

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032122\  
 Data File : VN071455.D  
 Acq On : 22 Mar 2022 06:57  
 Operator : JC\MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Mar 22 08:09:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 06:52:46 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.081  | 168  | 571294   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.963  | 114  | 975589   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.739 | 117  | 911720   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.668 | 152  | 371113   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.434  | 65    | 352525   | 45.024   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 90.040% |
| 35) Dibromofluoromethane    | 8.022  | 113   | 268919   | 43.682   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 87.360% |
| 50) Toluene-d8              | 10.439 | 98    | 1050571  | 42.384   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 84.760% |
| 62) 4-Bromofluorobenzene    | 12.727 | 95    | 369823   | 44.060   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 88.120% |

|                              |       |     |         |         |        |    |
|------------------------------|-------|-----|---------|---------|--------|----|
| Target Compounds             |       |     |         | Qvalue  |        |    |
| 2) Dichlorodifluoromethane   | 2.069 | 85  | 262745  | 41.964  | ug/l   | 98 |
| 3) Chloromethane             | 2.299 | 50  | 375214  | 44.634  | ug/l   | 96 |
| 4) Vinyl Chloride            | 2.440 | 62  | 352795  | 45.977  | ug/l   | 98 |
| 5) Bromomethane              | 2.822 | 94  | 172807  | 50.493  | ug/l   | 99 |
| 6) Chloroethane              | 2.993 | 64  | 239388  | 51.516  | ug/l   | 98 |
| 7) Trichlorofluoromethane    | 3.363 | 101 | 477216  | 47.251  | ug/l   | 97 |
| 8) Diethyl Ether             | 3.822 | 74  | 221760  | 51.312  | ug/l   | 91 |
| 9) 1,1,2-Trichlorotrifluo... | 4.204 | 101 | 275868  | 47.184  | ug/l   | 95 |
| 10) Methyl Iodide            | 4.416 | 142 | 385324  | 46.662  | ug/l   | 99 |
| 11) Tert butyl alcohol       | 5.363 | 59  | 434022  | 282.174 | ug/l   | 98 |
| 12) 1,1-Dichloroethene       | 4.181 | 96  | 272824  | 47.635  | ug/l   | 90 |
| 13) Acrolein                 | 4.034 | 56  | 340696  | 209.268 | ug/l   | 98 |
| 14) Allyl chloride           | 4.840 | 41  | 606949  | 48.724  | ug/l # | 85 |
| 15) Acrylonitrile            | 5.545 | 53  | 1213418 | 265.681 | ug/l   | 98 |
| 16) Acetone                  | 4.281 | 43  | 1034361 | 271.505 | ug/l   | 96 |
| 17) Carbon Disulfide         | 4.528 | 76  | 651096  | 39.931  | ug/l   | 98 |
| 18) Methyl Acetate           | 4.846 | 43  | 574320  | 56.074  | ug/l   | 95 |
| 19) Methyl tert-butyl Ether  | 5.610 | 73  | 1143891 | 53.195  | ug/l   | 93 |
| 20) Methylene Chloride       | 5.093 | 84  | 344930  | 49.542  | ug/l   | 90 |
| 21) trans-1,2-Dichloroethene | 5.593 | 96  | 296699  | 47.360  | ug/l   | 88 |
| 22) Diisopropyl ether        | 6.492 | 45  | 1289889 | 52.560  | ug/l   | 91 |
| 23) Vinyl Acetate            | 6.428 | 43  | 5615365 | 270.277 | ug/l   | 97 |
| 24) 1,1-Dichloroethane       | 6.381 | 63  | 653848  | 50.420  | ug/l   | 99 |
| 25) 2-Butanone               | 7.328 | 43  | 1695433 | 276.263 | ug/l   | 94 |
| 26) 2,2-Dichloropropane      | 7.322 | 77  | 387870  | 38.769  | ug/l   | 99 |
| 27) cis-1,2-Dichloroethene   | 7.322 | 96  | 373820  | 50.277  | ug/l   | 92 |
| 28) Bromochloromethane       | 7.651 | 49  | 250759  | 43.422  | ug/l   | 82 |
| 29) Tetrahydrofuran          | 7.675 | 42  | 1136471 | 267.305 | ug/l   | 91 |
| 30) Chloroform               | 7.816 | 83  | 635621  | 51.390  | ug/l   | 97 |
| 31) Cyclohexane              | 8.092 | 56  | 567336  | 45.374  | ug/l   | 92 |
| 32) 1,1,1-Trichloroethane    | 8.010 | 97  | 538615  | 51.123  | ug/l   | 97 |
| 36) 1,1-Dichloropropene      | 8.216 | 75  | 456669  | 46.298  | ug/l   | 97 |
| 37) Ethyl Acetate            | 7.404 | 43  | 654563  | 48.219  | ug/l   | 98 |
| 38) Carbon Tetrachloride     | 8.204 | 117 | 450965  | 47.267  | ug/l   | 99 |
| 39) Methylcyclohexane        | 9.457 | 83  | 525382  | 45.277  | ug/l   | 94 |
| 40) Benzene                  | 8.457 | 78  | 1418613 | 47.735  | ug/l   | 98 |

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 Acq On : 22 Mar 2022 06:57  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Mar 22 08:09:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 06:52:46 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.628  | 41   | 327491   | 49.296   | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 8.522  | 62   | 511783   | 49.487   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.557  | 43   | 1023791  | 50.433   | ug/l   | 97       |
| 44) Trichloroethene           | 9.210  | 130  | 334577   | 47.714   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.486  | 63   | 394760   | 49.483   | ug/l   | 100      |
| 46) Dibromomethane            | 9.575  | 93   | 239754   | 48.827   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.757  | 83   | 495305   | 49.914   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.557  | 41   | 460167   | 48.915   | ug/l # | 87       |
| 49) 1,4-Dioxane               | 9.563  | 88   | 177973   | 1088.374 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 10.328 | 43   | 3413021  | 270.910  | ug/l   | 100      |
| 52) Toluene                   | 10.498 | 92   | 887418   | 48.492   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.716 | 75   | 530609   | 48.508   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.186 | 75   | 578310   | 48.386   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.892 | 97   | 359994   | 49.092   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.757 | 69   | 643941   | 53.772   | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 11.039 | 76   | 652765   | 49.593   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.039 | 63   | 686344   | 270.254  | ug/l   | 93       |
| 59) 2-Hexanone                | 11.080 | 43   | 2505159  | 291.434  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.233 | 129  | 375892   | 51.590   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.339 | 107  | 365096   | 48.714   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.975 | 164  | 276591   | 43.498   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.763 | 112  | 940057   | 48.012   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.839 | 131  | 354688   | 49.404   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.839 | 91   | 1718313  | 49.634   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.951 | 106  | 1277185  | 100.846  | ug/l   | 97       |
| 69) o-Xylene                  | 12.274 | 106  | 647712   | 51.021   | ug/l   | 97       |
| 70) Styrene                   | 12.292 | 104  | 1053140  | 53.592   | ug/l   | 97       |
| 71) Bromoform                 | 12.457 | 173  | 287466   | 52.725   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.574 | 105  | 1675492  | 46.835   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.380 | 43   | 727486   | 54.083   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.821 | 83   | 579629   | 54.767   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.874 | 75   | 719877   | 81.831   | ug/l   | 67       |
| 77) Bromobenzene              | 12.857 | 156  | 386949   | 46.385   | ug/l   | 80       |
| 78) n-propylbenzene           | 12.916 | 91   | 1854768  | 48.315   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.004 | 91   | 1141888  | 46.338   | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 13.051 | 105  | 1318532  | 47.373   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.621 | 75   | 160927   | 46.876   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 13.098 | 91   | 1072506  | 48.861   | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.321 | 119  | 1226916  | 49.395   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.363 | 105  | 1303599  | 48.898   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.498 | 105  | 1626951  | 49.280   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.610 | 119  | 1304436  | 50.240   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.610 | 146  | 634114   | 46.782   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.692 | 146  | 610470   | 46.074   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.939 | 91   | 974529   | 47.988   | ug/l   | 96       |
| 90) Hexachloroethane          | 14.204 | 117  | 251395   | 48.689   | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.980 | 146  | 621323   | 47.679   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.598 | 75   | 109909   | 52.803   | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.262 | 180  | 299453   | 49.282   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.362 | 225  | 162117   | 44.315   | ug/l   | 99       |
| 95) Naphthalene               | 15.498 | 128  | 974364   | 56.536   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.698 | 180  | 303165   | 51.922   | ug/l   | 98       |

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Acq On : 22 Mar 2022 06:57  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

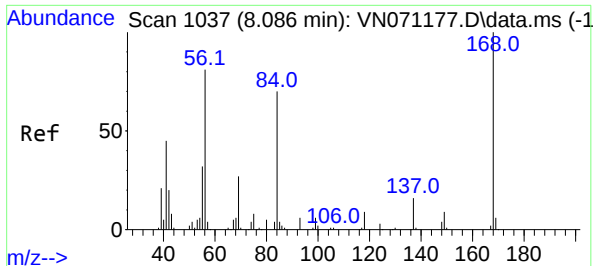
Quant Time: Mar 22 08:09:39 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 08 06:52:46 2022  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 08 06:52:46 2022  
Response via : Initial Calibration

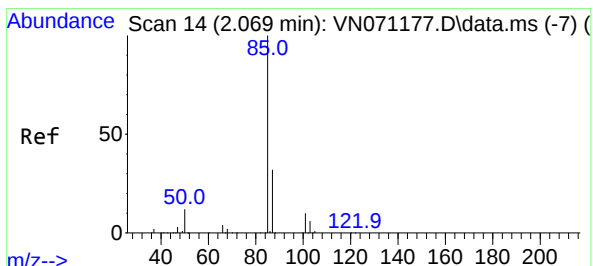
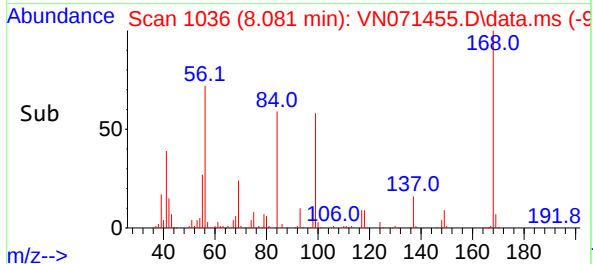
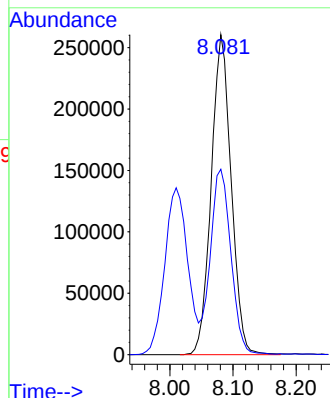
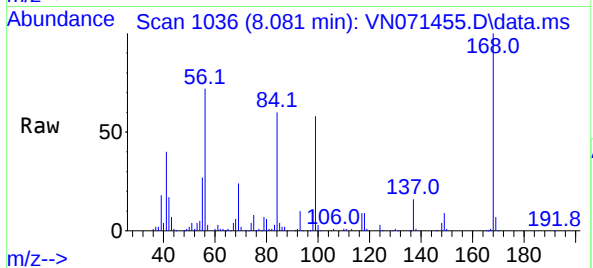




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 10  
Delta R.T. -0.005 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

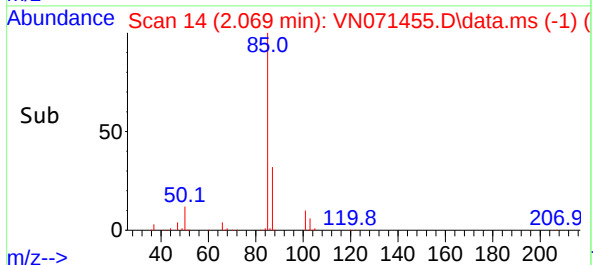
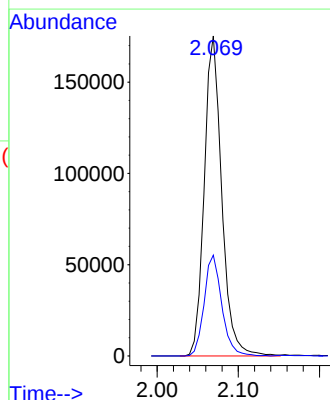
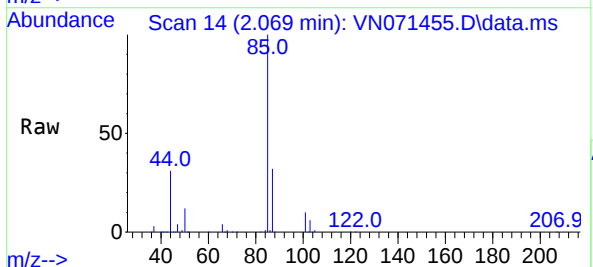
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

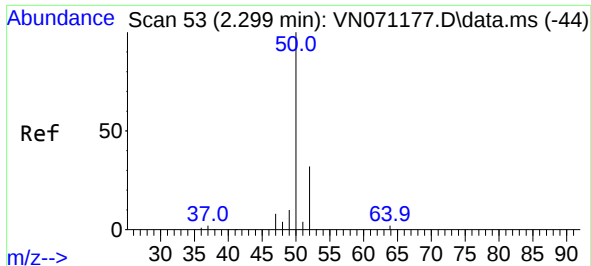
Tgt Ion:168 Resp: 571294  
Ion Ratio Lower Upper  
168 100  
99 57.7 41.3 61.9



#2  
Dichlorodifluoromethane  
Concen: 41.964 ug/l  
RT: 2.069 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 85 Resp: 262745  
Ion Ratio Lower Upper  
85 100  
87 31.5 16.3 48.9

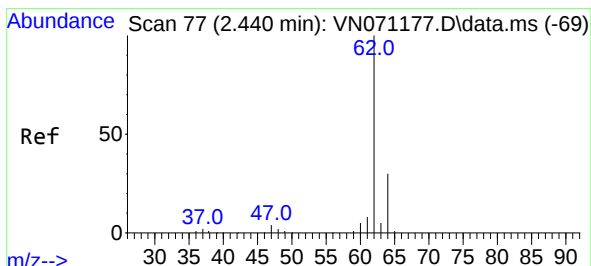
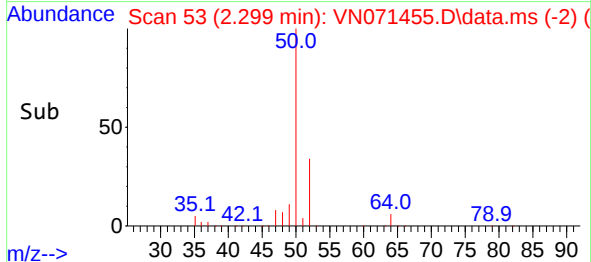
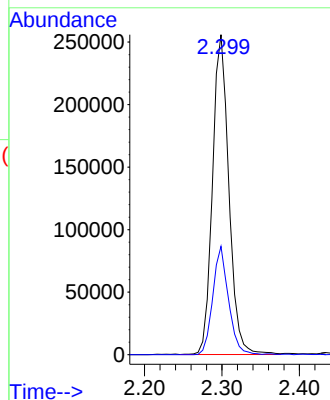
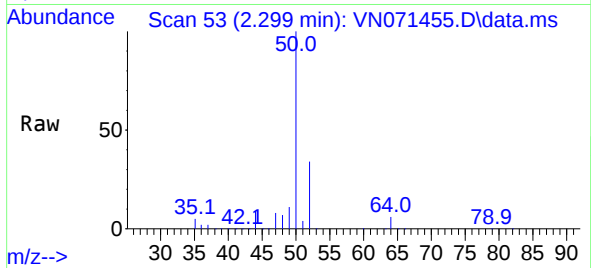




#3  
Chloromethane  
Concen: 44.634 ug/l  
RT: 2.299 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

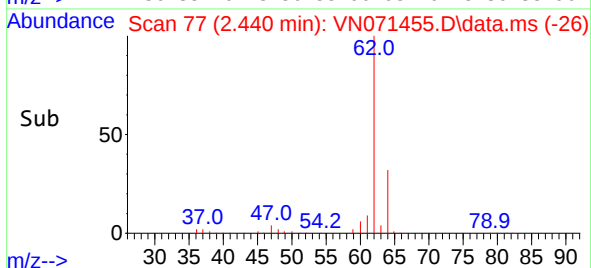
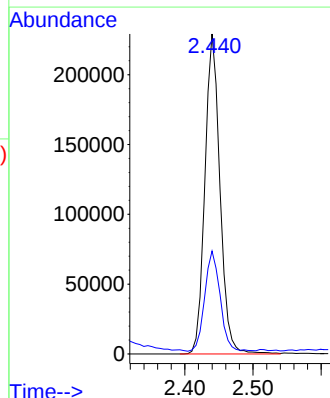
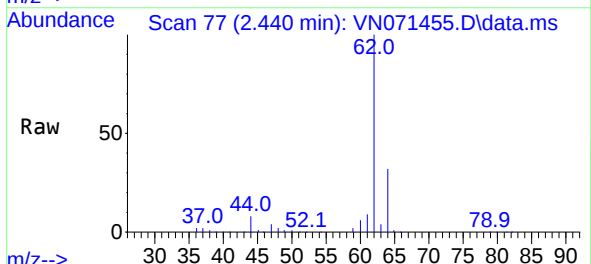
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

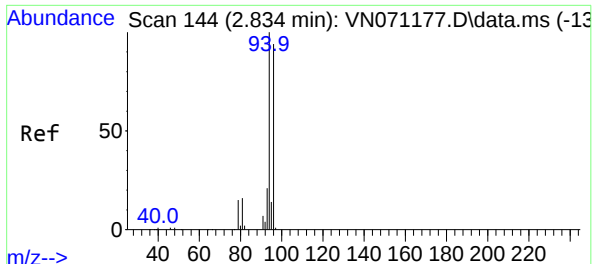
Tgt Ion: 50 Resp: 375214  
Ion Ratio Lower Upper  
50 100  
52 33.9 25.4 38.0



#4  
Vinyl Chloride  
Concen: 45.977 ug/l  
RT: 2.440 min Scan# 77  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 62 Resp: 352795  
Ion Ratio Lower Upper  
62 100  
64 31.2 25.8 38.6

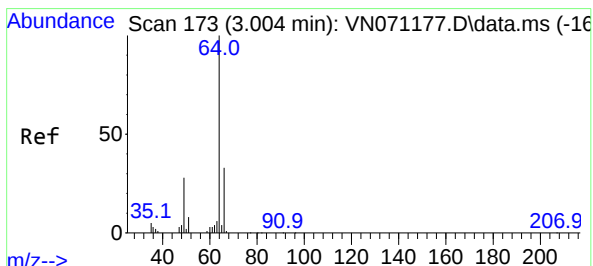
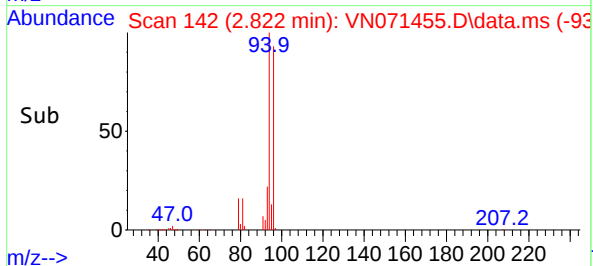
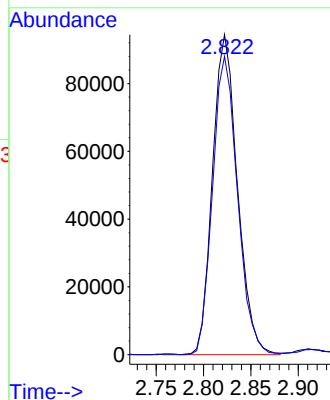
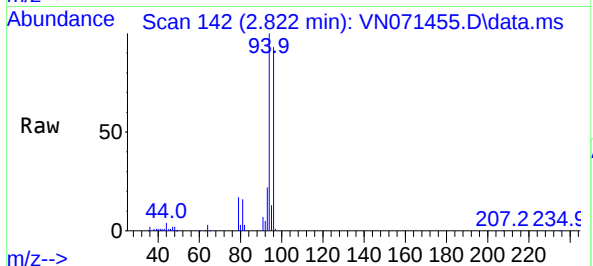




#5  
Bromomethane  
Concen: 50.493 ug/l  
RT: 2.822 min Scan# 144  
Delta R.T. -0.012 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

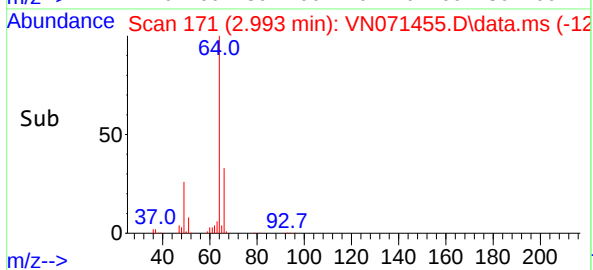
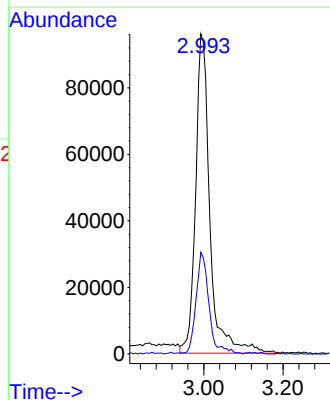
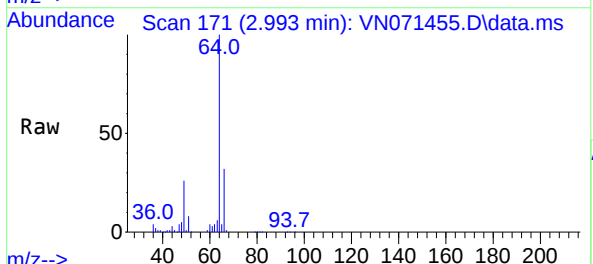
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

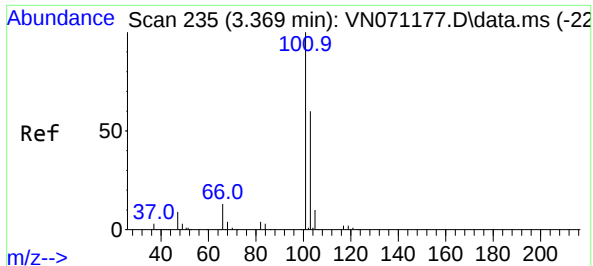
Tgt Ion: 94 Resp: 172807  
Ion Ratio Lower Upper  
94 100  
96 93.2 73.8 110.8



#6  
Chloroethane  
Concen: 51.516 ug/l  
RT: 2.993 min Scan# 171  
Delta R.T. -0.011 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 64 Resp: 239388  
Ion Ratio Lower Upper  
64 100  
66 31.8 26.3 39.5

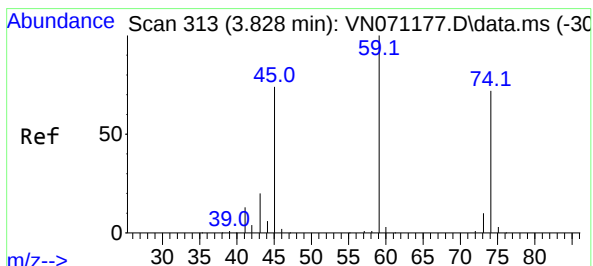
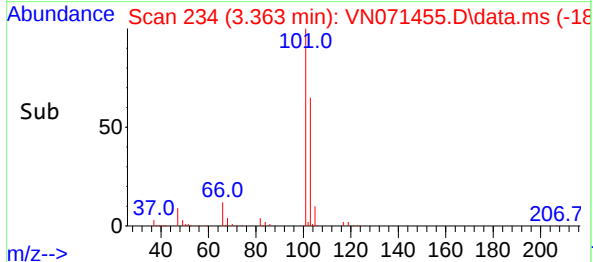
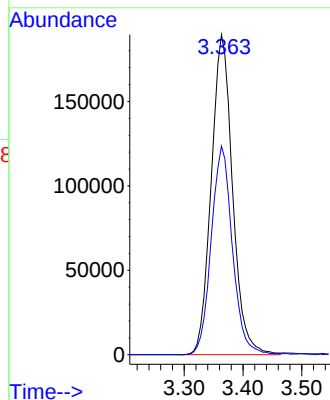
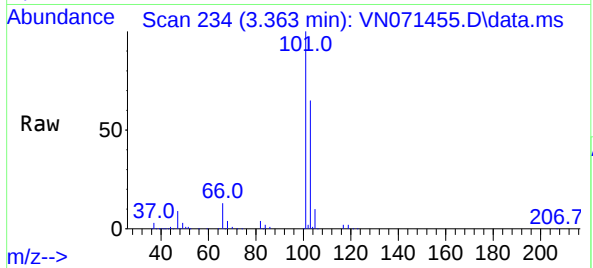




#7  
Trichlorofluoromethane  
Concen: 47.251 ug/l  
RT: 3.363 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

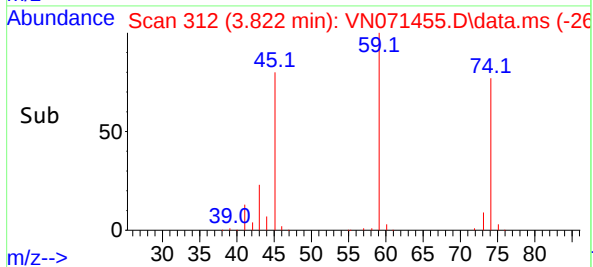
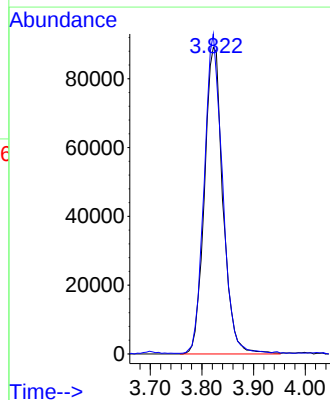
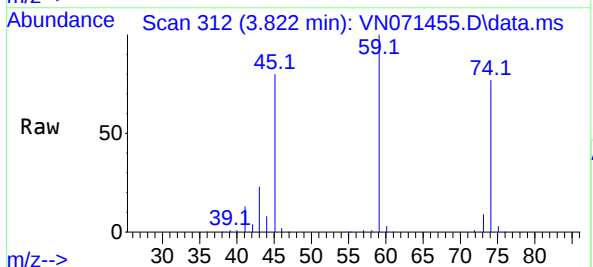
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

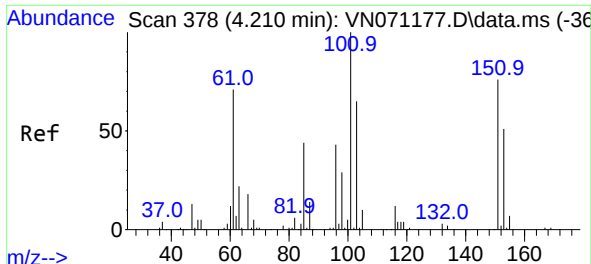
Tgt Ion:101 Resp: 477216  
Ion Ratio Lower Upper  
101 100  
103 65.2 50.1 75.1



#8  
Diethyl Ether  
Concen: 51.312 ug/l  
RT: 3.822 min Scan# 312  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 74 Resp: 221760  
Ion Ratio Lower Upper  
74 100  
45 102.5 47.0 141.2

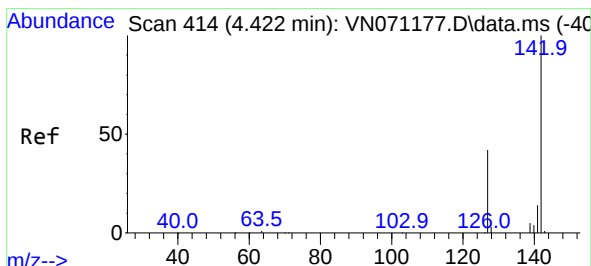
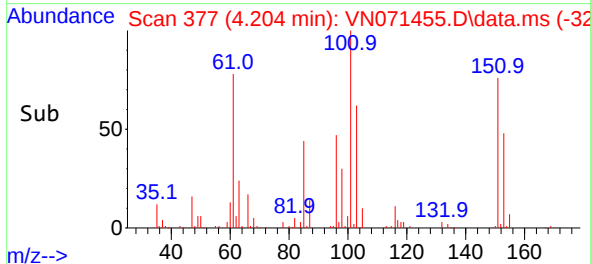
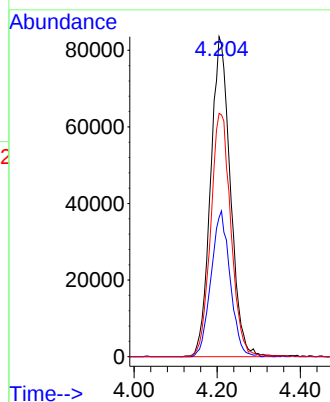
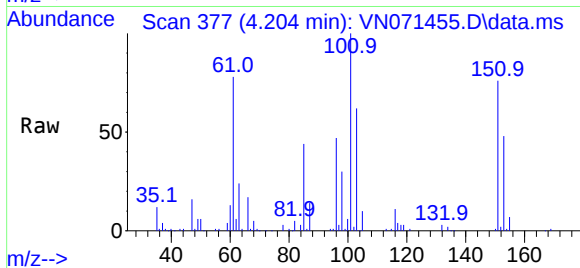




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 47.184 ug/l  
RT: 4.204 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

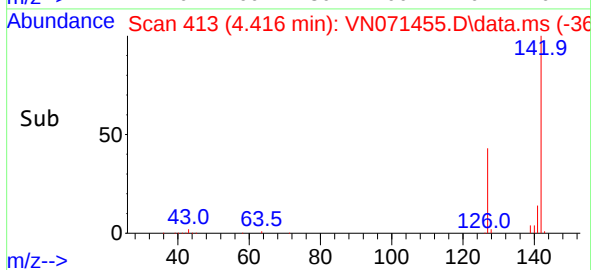
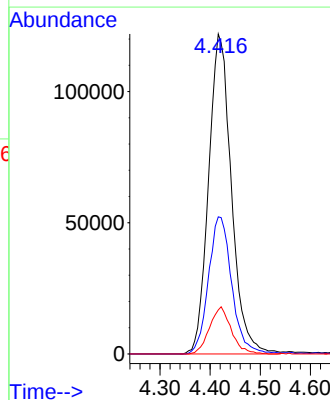
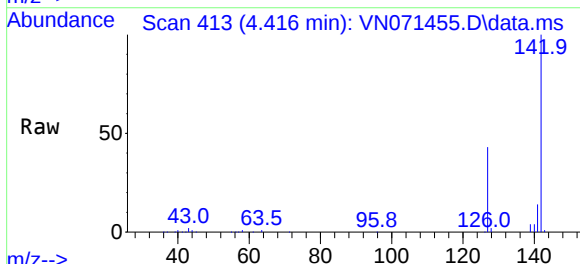
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

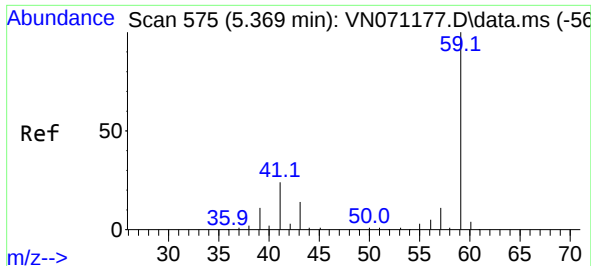
Tgt Ion:101 Resp: 275868  
Ion Ratio Lower Upper  
101 100  
85 43.9 37.2 55.8  
151 77.5 65.9 98.9



#10  
Methyl Iodide  
Concen: 46.662 ug/l  
RT: 4.416 min Scan# 413  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion:142 Resp: 385324  
Ion Ratio Lower Upper  
142 100  
127 43.8 35.4 53.0  
141 14.1 11.6 17.4

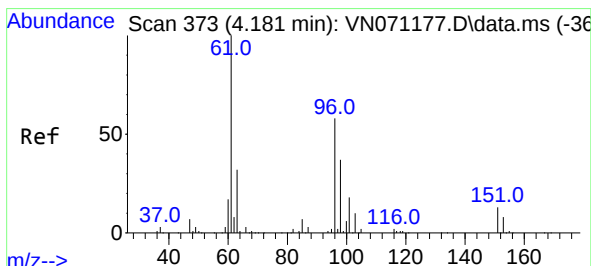
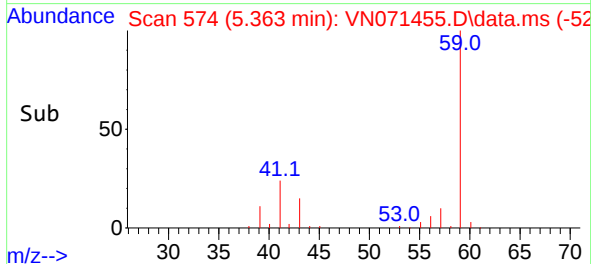
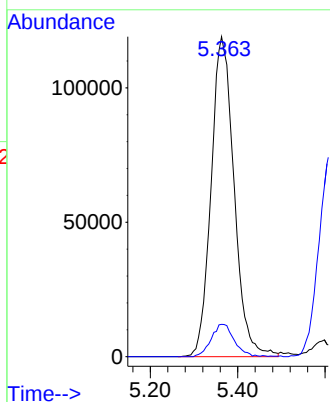
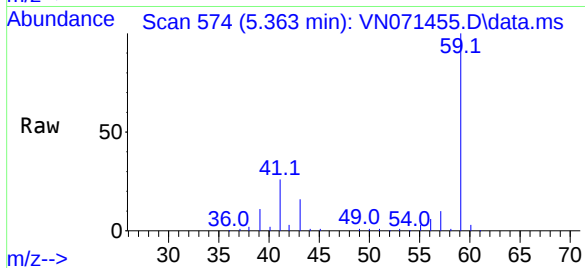




#11  
Tert butyl alcohol  
Concen: 282.174 ug/l  
RT: 5.363 min Scan# 511  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

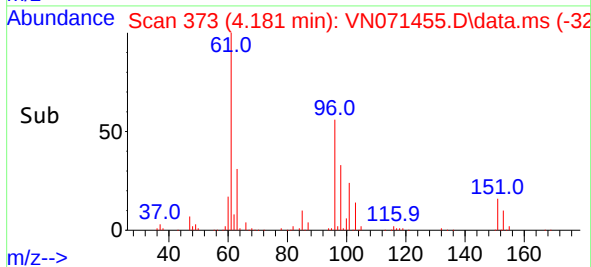
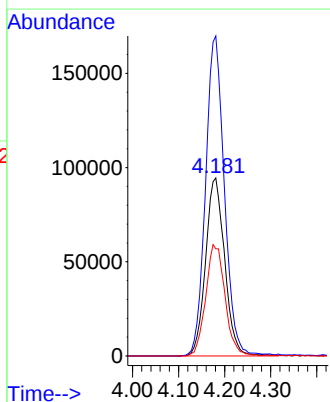
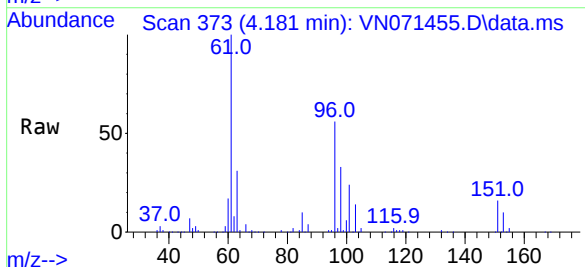
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

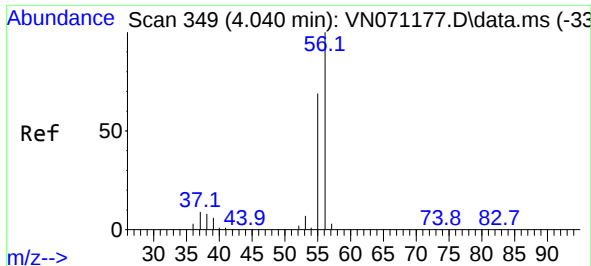
Tgt Ion: 59 Resp: 434022  
Ion Ratio Lower Upper  
59 100  
57 10.1 8.7 13.1



#12  
1,1-Dichloroethene  
Concen: 47.635 ug/l  
RT: 4.181 min Scan# 373  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 96 Resp: 272824  
Ion Ratio Lower Upper  
96 100  
61 179.7 131.0 196.6  
98 60.2 52.4 78.6

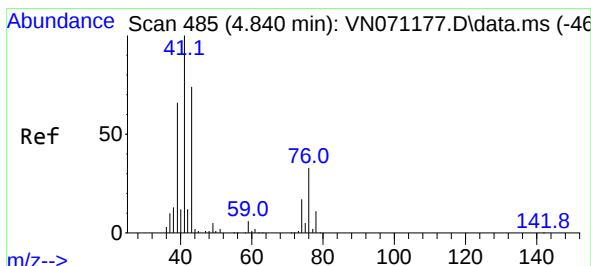
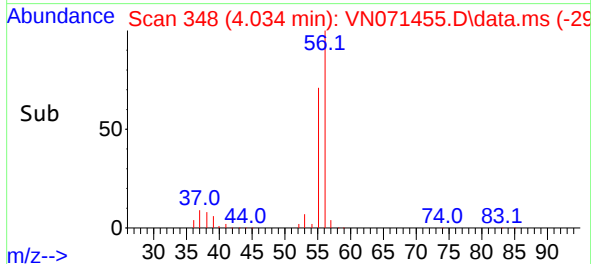
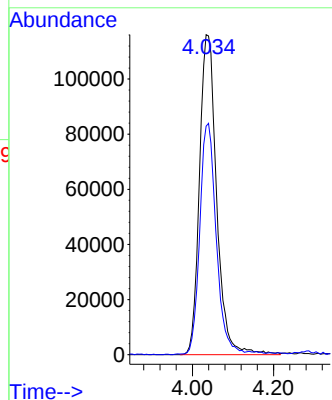
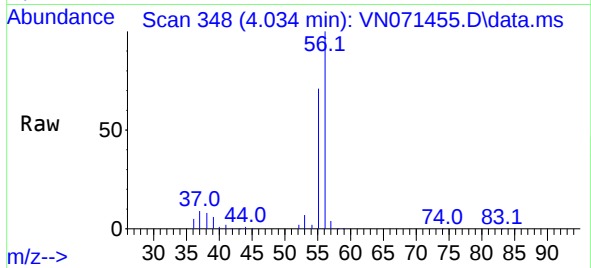




#13  
Acrolein  
Concen: 209.268 ug/l  
RT: 4.034 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

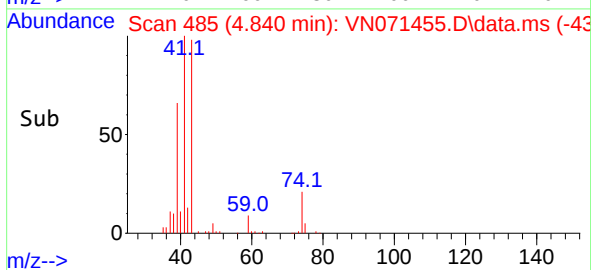
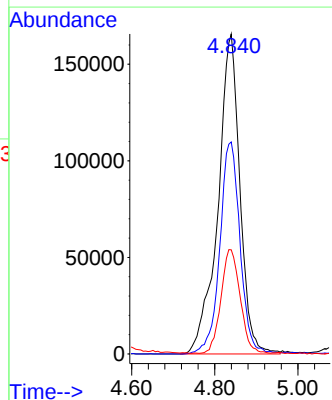
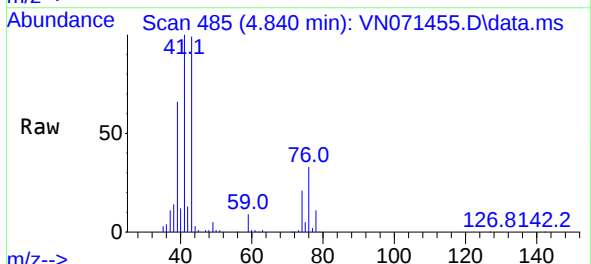
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

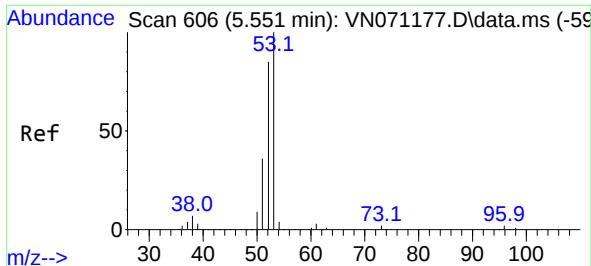
Tgt Ion: 56 Resp: 340696  
Ion Ratio Lower Upper  
56 100  
55 69.4 56.6 85.0



#14  
Allyl chloride  
Concen: 48.724 ug/l  
RT: 4.840 min Scan# 485  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 41 Resp: 606949  
Ion Ratio Lower Upper  
41 100  
39 61.2 61.2 91.8#  
76 28.2 26.0 39.0



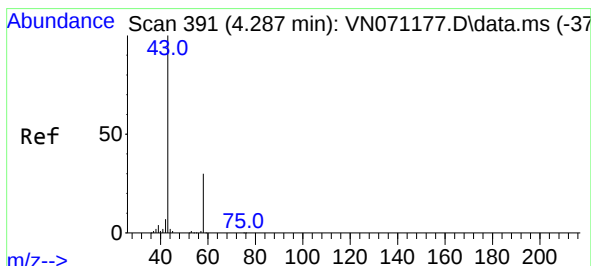
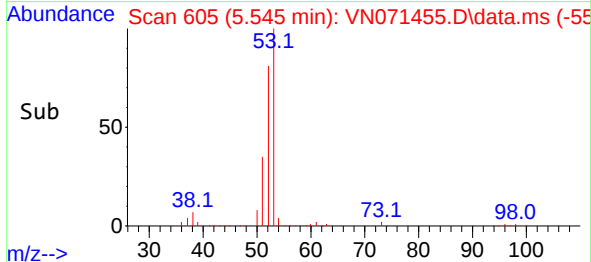
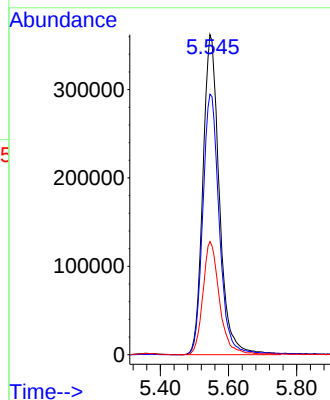
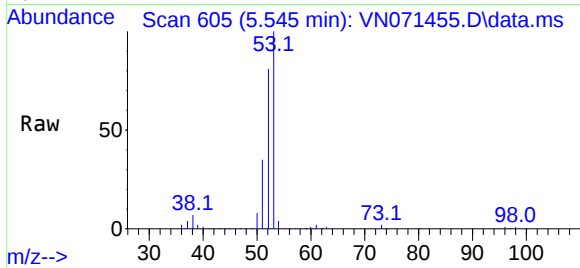


#15  
Acrylonitrile  
Concen: 265.681 ug/l  
RT: 5.545 min Scan# 606  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 53 Resp: 1213418

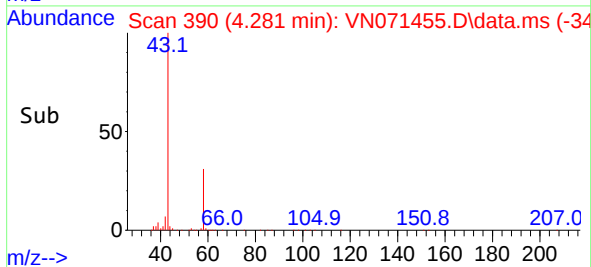
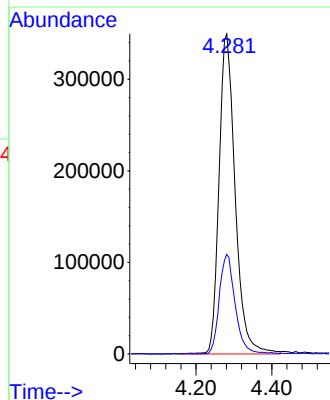
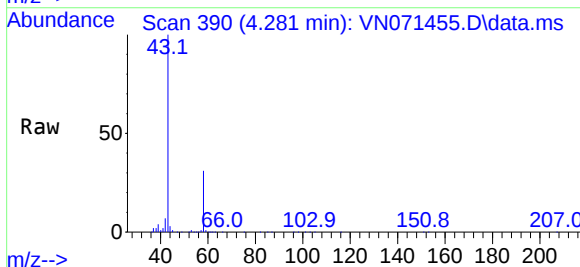
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 81.5  | 66.2  | 99.2  |
| 51  | 35.6  | 29.6  | 44.4  |



#16  
Acetone  
Concen: 271.505 ug/l  
RT: 4.281 min Scan# 390  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 43 Resp: 1034361

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 31.0  | 23.1  | 34.7  |

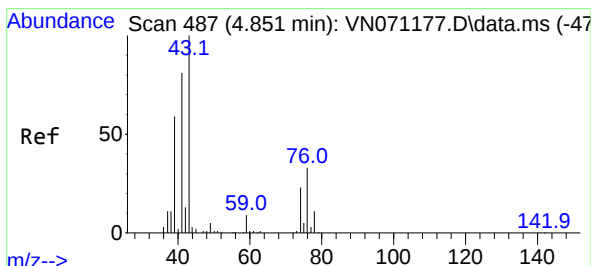
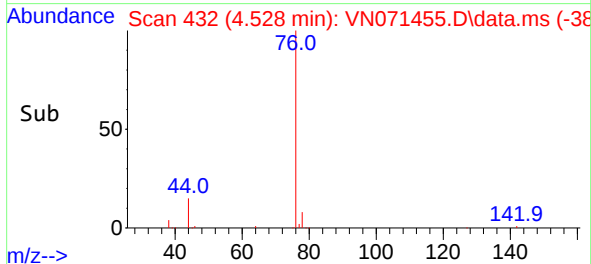
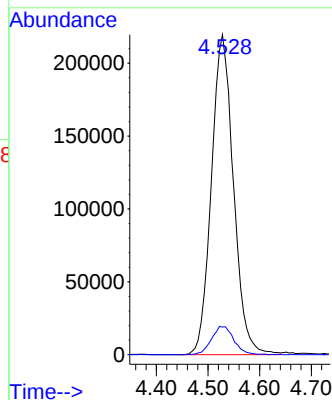
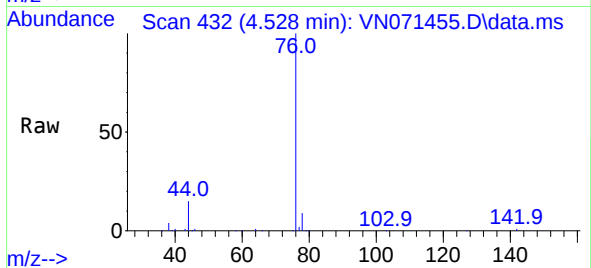




#17  
Carbon Disulfide  
Concen: 39.931 ug/l  
RT: 4.528 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

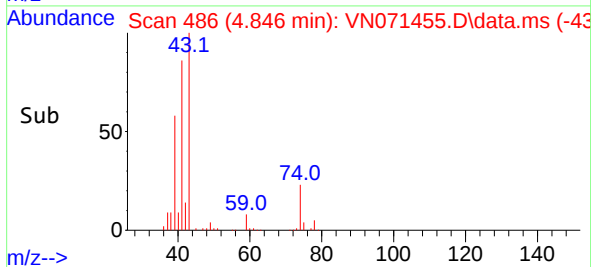
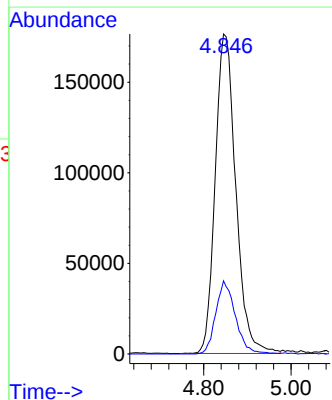
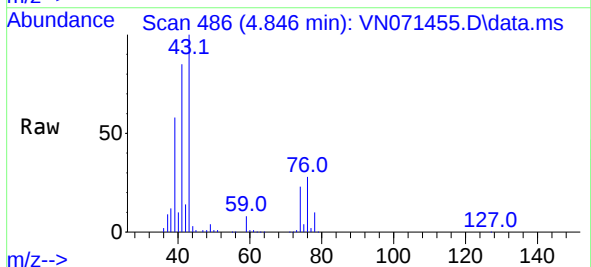
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

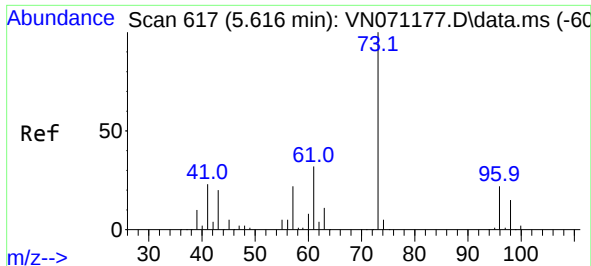
Tgt Ion: 76 Resp: 651096  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.5 11.3



#18  
Methyl Acetate  
Concen: 56.074 ug/l  
RT: 4.846 min Scan# 486  
Delta R.T. -0.005 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 43 Resp: 574320  
Ion Ratio Lower Upper  
43 100  
74 21.9 19.4 29.2

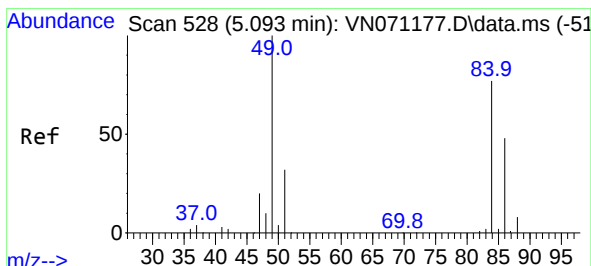
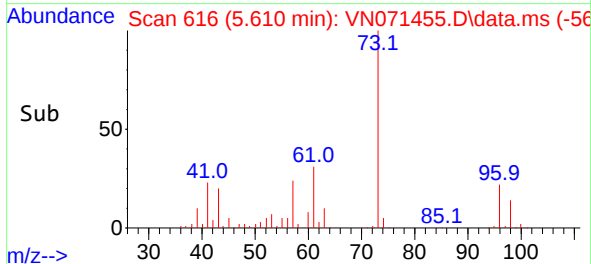
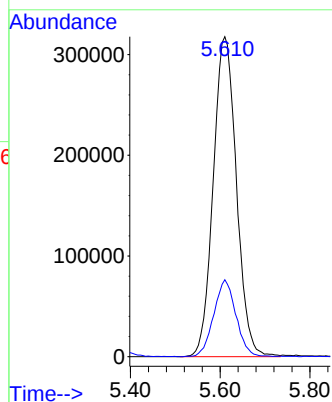
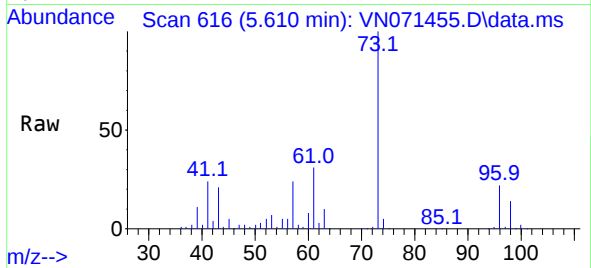




#19  
Methyl tert-butyl Ether  
Concen: 53.195 ug/l  
RT: 5.610 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

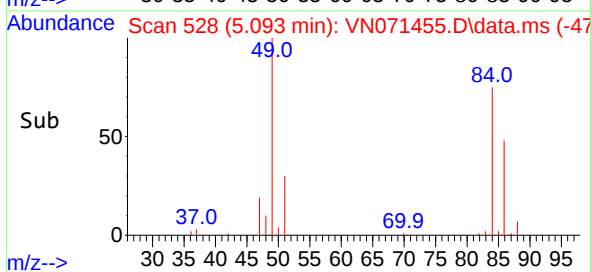
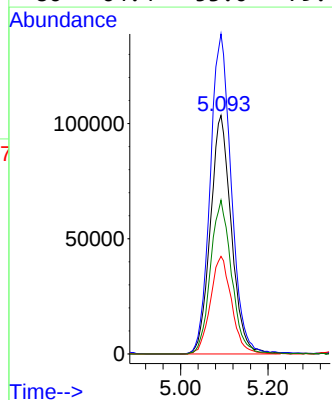
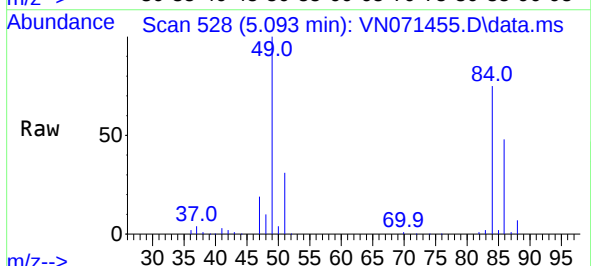
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

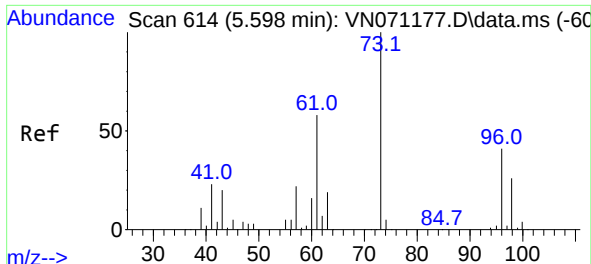
Tgt Ion: 73 Resp: 1143891  
Ion Ratio Lower Upper  
73 100  
57 24.1 16.8 25.2



#20  
Methylene Chloride  
Concen: 49.542 ug/l  
RT: 5.093 min Scan# 528  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 84 Resp: 344930  
Ion Ratio Lower Upper  
84 100  
49 134.1 93.5 140.3  
51 40.9 29.4 44.2  
86 64.4 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 47.360 ug/l

RT: 5.593 min Scan# 614

Delta R.T. -0.006 min

Lab File: VN071455.D

Acq: 22 Mar 2022 06:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

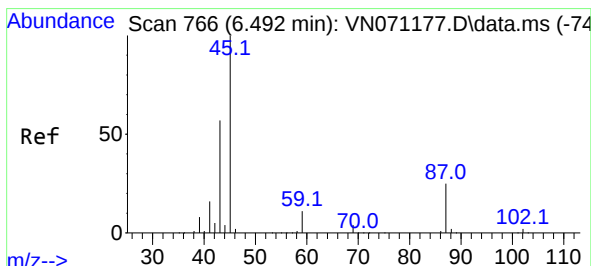
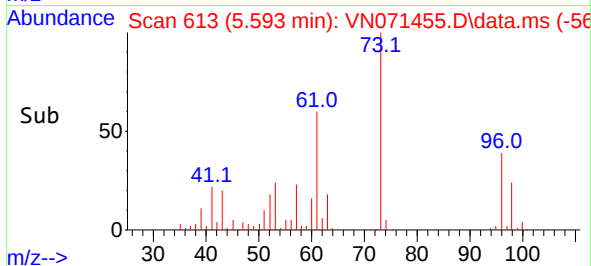
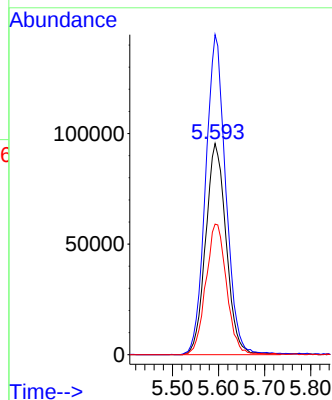
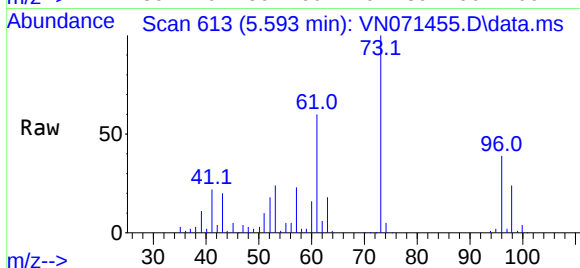
Tgt Ion: 96 Resp: 296699

Ion Ratio Lower Upper

96 100

61 151.6 105.8 158.6

98 61.8 52.0 78.0



#22

Diisopropyl ether

Concen: 52.560 ug/l

RT: 6.492 min Scan# 766

Delta R.T. 0.000 min

Lab File: VN071455.D

Acq: 22 Mar 2022 06:57

Tgt Ion: 45 Resp: 1289889

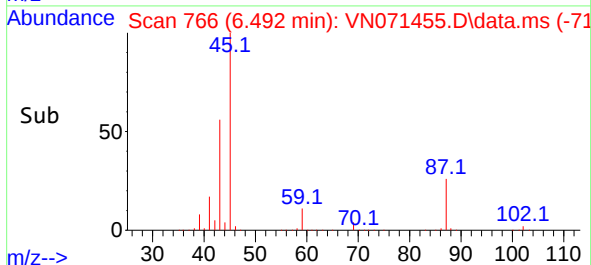
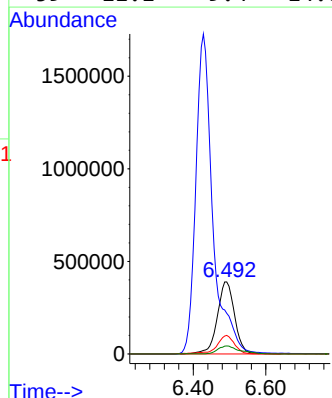
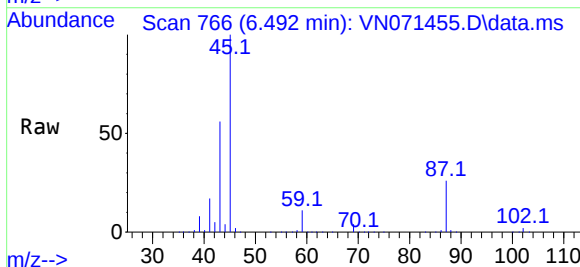
Ion Ratio Lower Upper

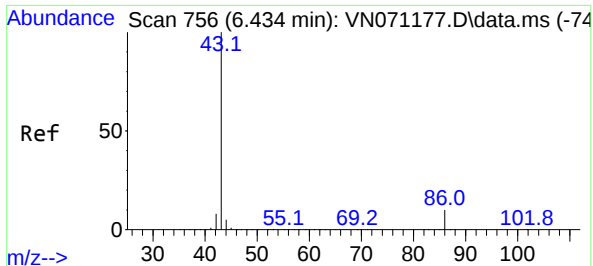
45 100

43 55.6 51.7 77.5

87 25.6 23.2 34.8

59 11.1 9.4 14.0

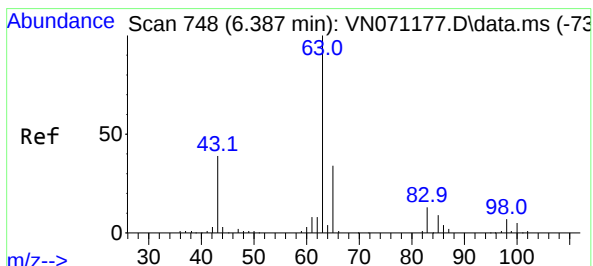
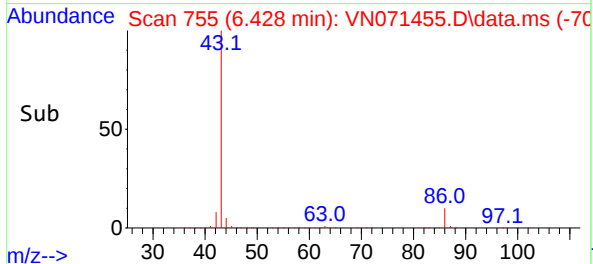
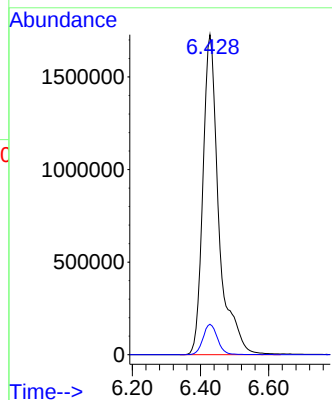
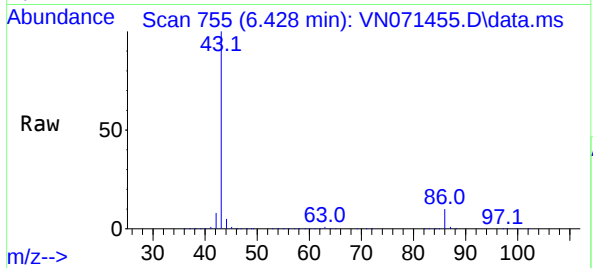




#23  
 Vinyl Acetate  
 Concen: 270.277 ug/l  
 RT: 6.428 min Scan# 714  
 Delta R.T. -0.006 min  
 Lab File: VN071455.D  
 Acq: 22 Mar 2022 06:57

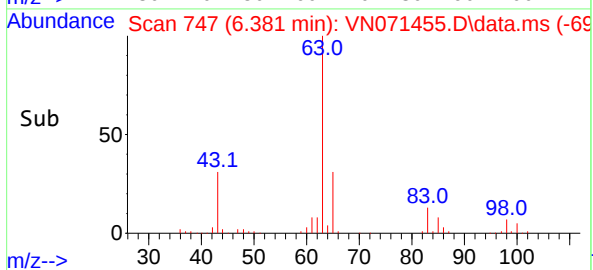
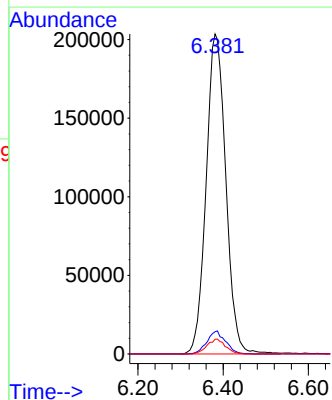
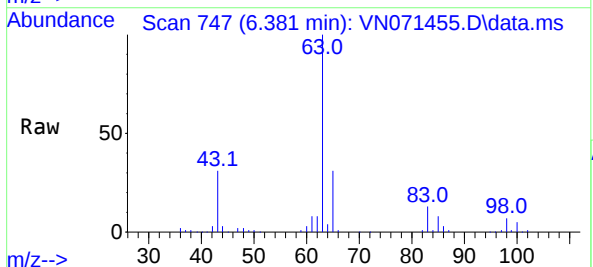
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

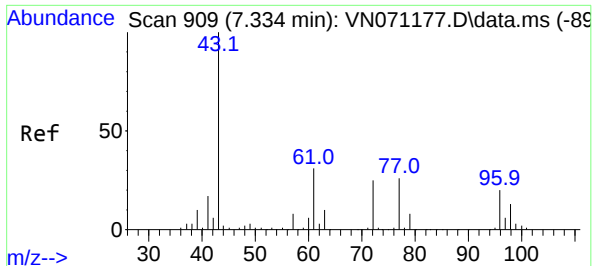
Tgt Ion: 43 Resp: 5615365  
 Ion Ratio Lower Upper  
 43 100  
 86 9.5 8.5 12.7



#24  
 1,1-Dichloroethane  
 Concen: 50.420 ug/l  
 RT: 6.381 min Scan# 747  
 Delta R.T. -0.006 min  
 Lab File: VN071455.D  
 Acq: 22 Mar 2022 06:57

Tgt Ion: 63 Resp: 653848  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.3 9.9  
 100 4.6 2.1 6.5





#25

2-Butanone

Concen: 276.263 ug/l

RT: 7.328 min Scan# 908

Delta R.T. -0.006 min

Lab File: VN071455.D

Acq: 22 Mar 2022 06:57

Instrument :

MSVOA\_N

ClientSampleId :

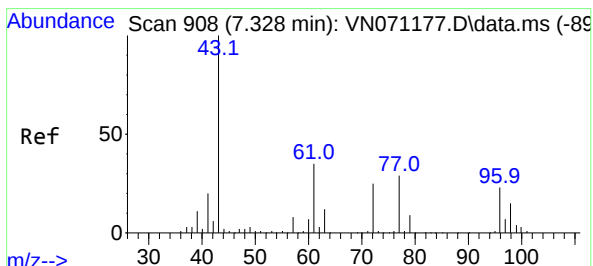
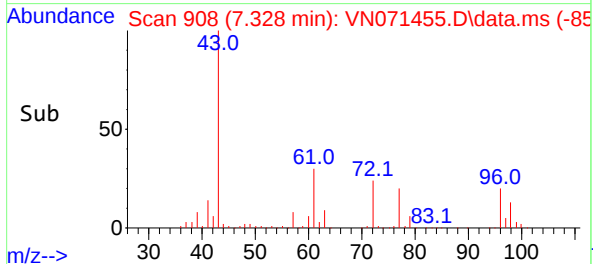
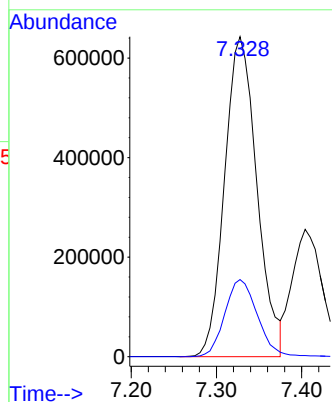
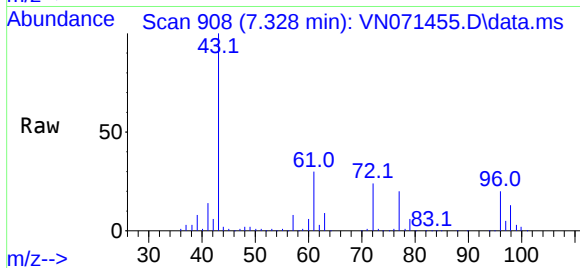
VSTDCCC050EC

Tgt Ion: 43 Resp: 1695433

Ion Ratio Lower Upper

43 100

72 24.1 21.7 32.5



#26

2,2-Dichloropropane

Concen: 38.769 ug/l

RT: 7.322 min Scan# 907

Delta R.T. -0.006 min

Lab File: VN071455.D

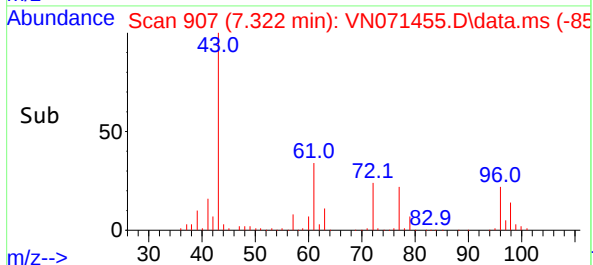
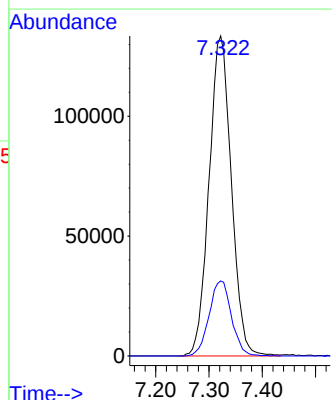
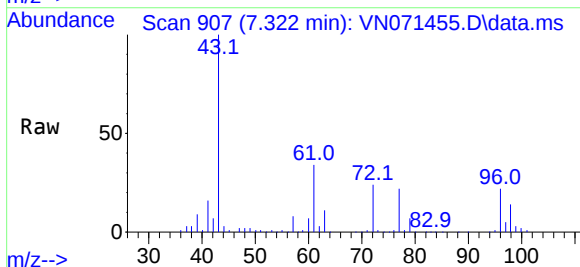
Acq: 22 Mar 2022 06:57

Tgt Ion: 77 Resp: 387870

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.8

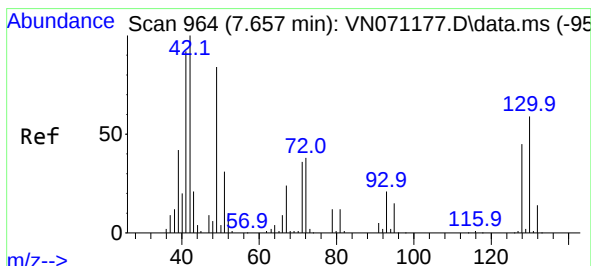
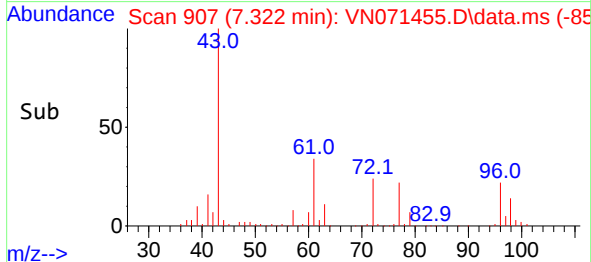
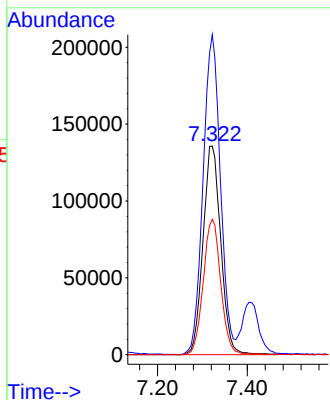
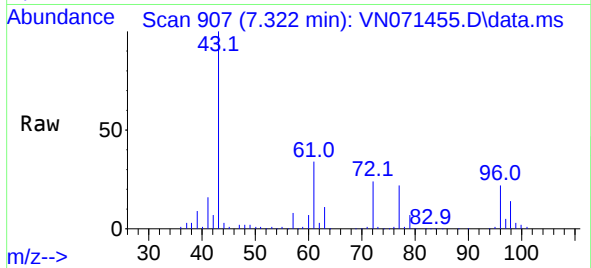




#27  
 cis-1,2-Dichloroethene  
 Concen: 50.277 ug/l  
 RT: 7.322 min Scan# 908  
 Delta R.T. -0.006 min  
 Lab File: VN071455.D  
 Acq: 22 Mar 2022 06:57

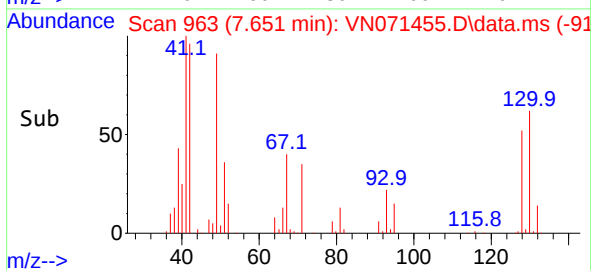
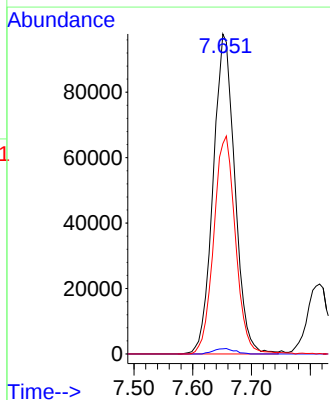
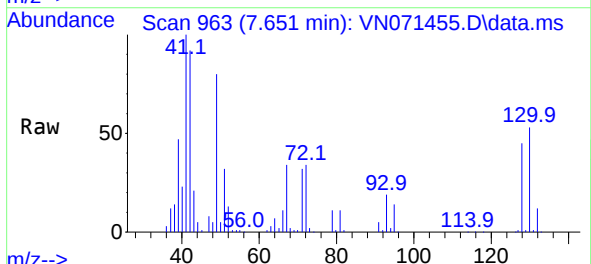
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

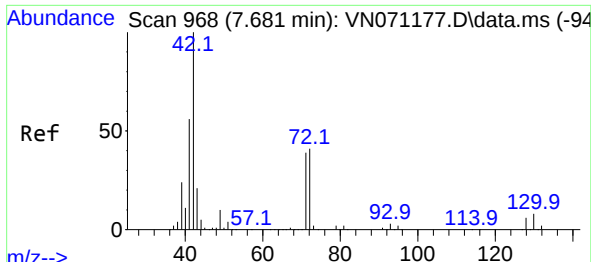
Tgt Ion: 96 Resp: 373820  
 Ion Ratio Lower Upper  
 96 100  
 61 150.0 0.0 275.0  
 98 63.5 0.0 129.6



#28  
 Bromochloromethane  
 Concen: 43.422 ug/l  
 RT: 7.651 min Scan# 963  
 Delta R.T. -0.006 min  
 Lab File: VN071455.D  
 Acq: 22 Mar 2022 06:57

Tgt Ion: 49 Resp: 250759  
 Ion Ratio Lower Upper  
 49 100  
 129 1.6 0.0 4.0  
 130 68.2 67.8 101.8





#29

Tetrahydrofuran

Concen: 267.305 ug/l

RT: 7.675 min Scan# 9

Delta R.T. -0.006 min

Lab File: VN071455.D

Acq: 22 Mar 2022 06:57

Instrument :

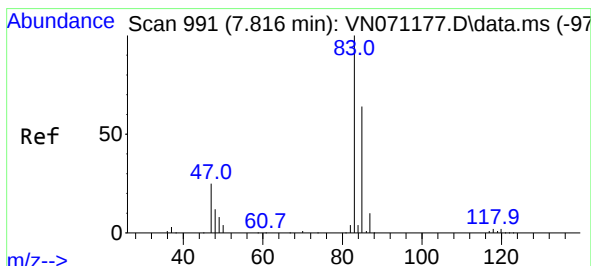
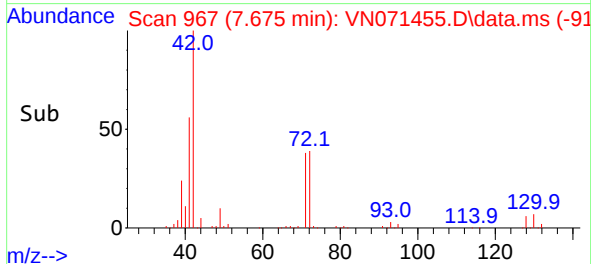
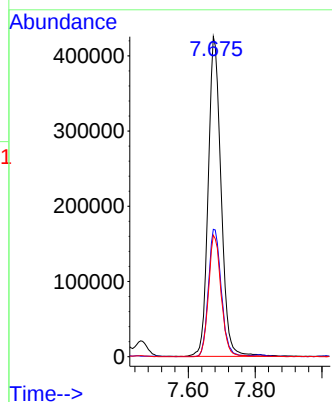
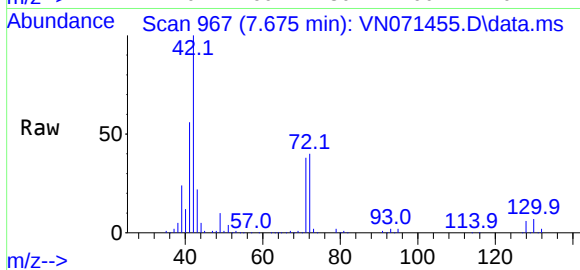
MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 1136471

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 39.8  | 36.3  | 54.5  |
| 71  | 37.2  | 34.7  | 52.1  |



#30

Chloroform

Concen: 51.390 ug/l

RT: 7.816 min Scan# 991

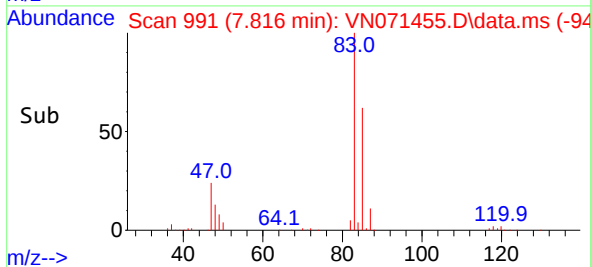
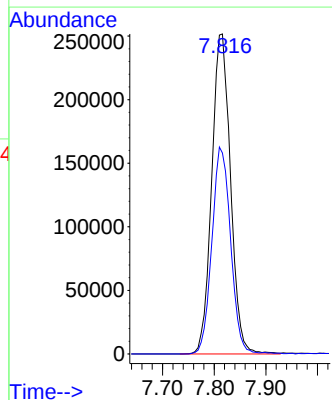
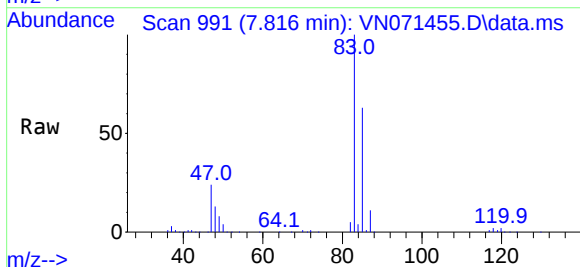
Delta R.T. 0.000 min

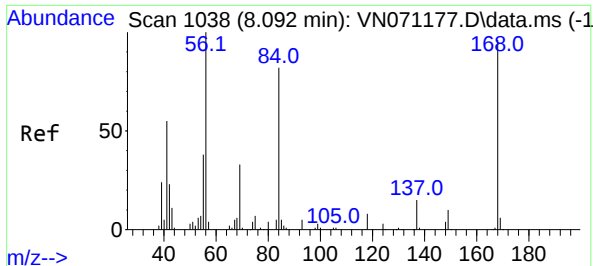
Lab File: VN071455.D

Acq: 22 Mar 2022 06:57

Tgt Ion: 83 Resp: 635621

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 62.8  | 51.9  | 77.9  |





#31

Cyclohexane

Concen: 45.374 ug/l

RT: 8.092 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VN071455.D

Acq: 22 Mar 2022 06:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

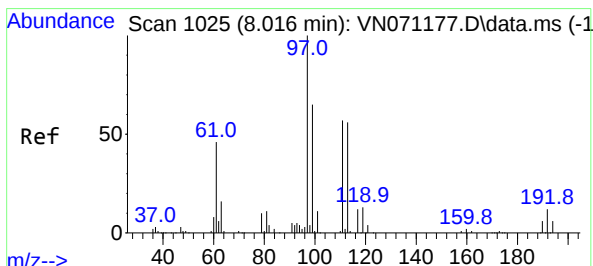
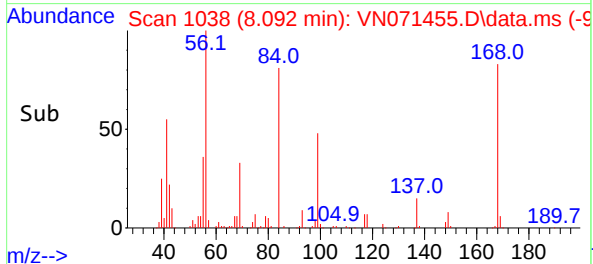
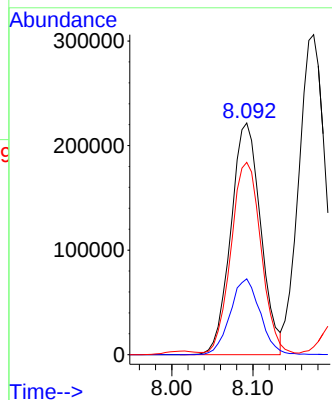
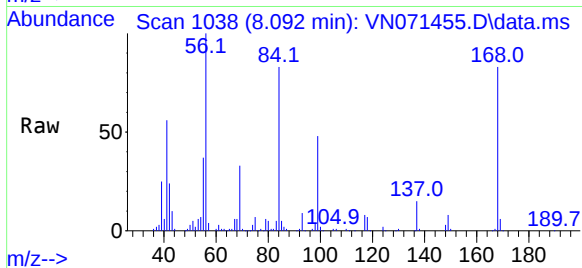
Tgt Ion: 56 Resp: 567336

Ion Ratio Lower Upper

56 100

69 32.7 27.1 40.7

84 81.5 73.4 110.0



#32

1,1,1-Trichloroethane

Concen: 51.123 ug/l

RT: 8.010 min Scan# 1024

Delta R.T. -0.006 min

Lab File: VN071455.D

Acq: 22 Mar 2022 06:57

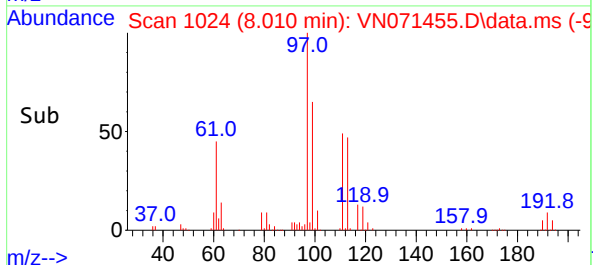
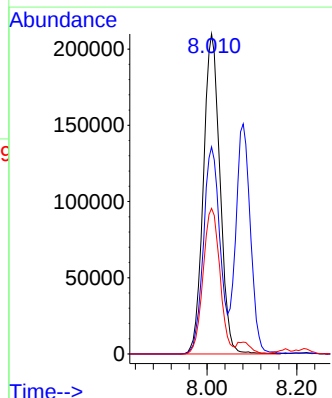
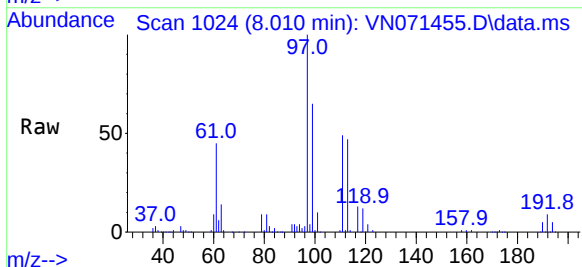
Tgt Ion: 97 Resp: 538615

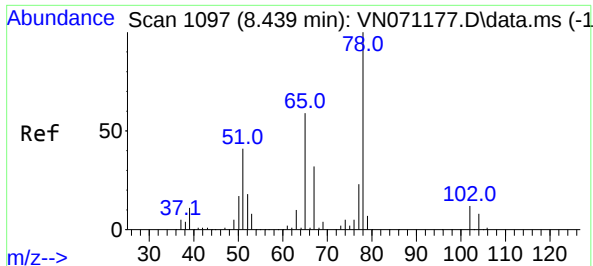
Ion Ratio Lower Upper

97 100

99 64.1 50.1 75.1

61 46.2 35.2 52.8

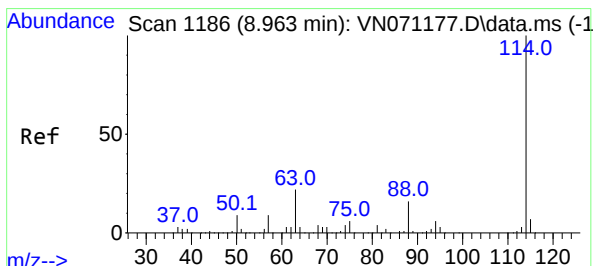
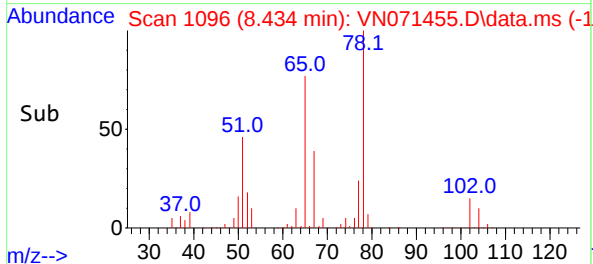
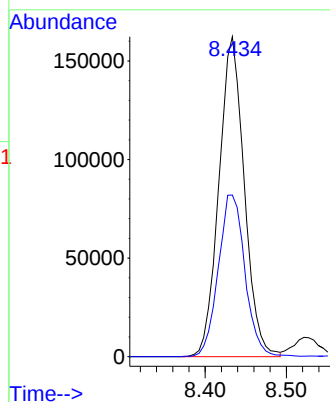
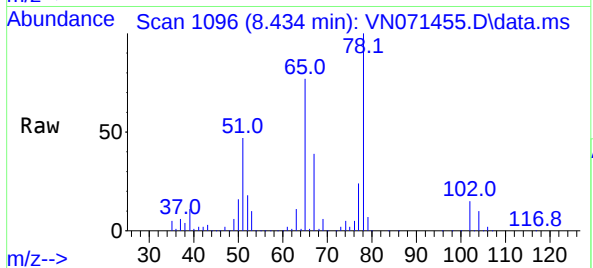




#33  
1,2-Dichloroethane-d4  
Concen: 45.024 ug/l  
RT: 8.434 min Scan# 1097  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

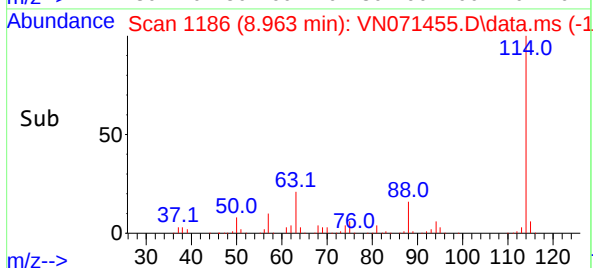
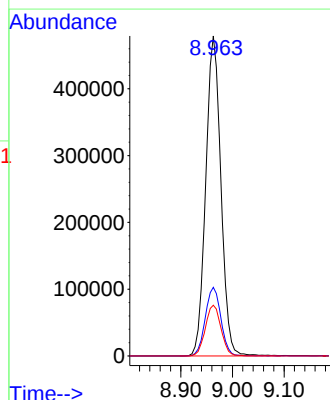
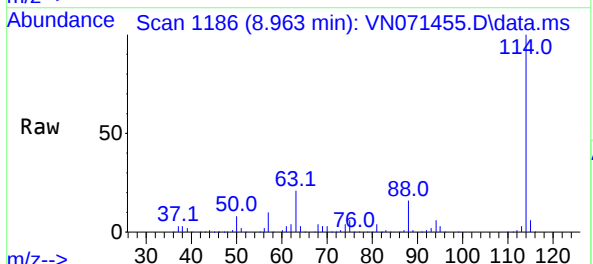
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

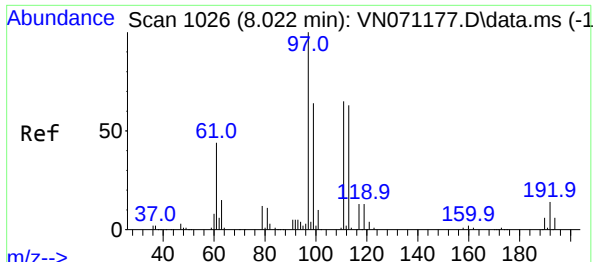
Tgt Ion: 65 Resp: 352525  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 103.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion:114 Resp: 975589  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 37.8  
88 15.9 0.0 27.4

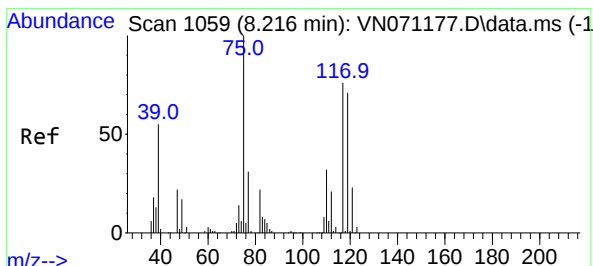
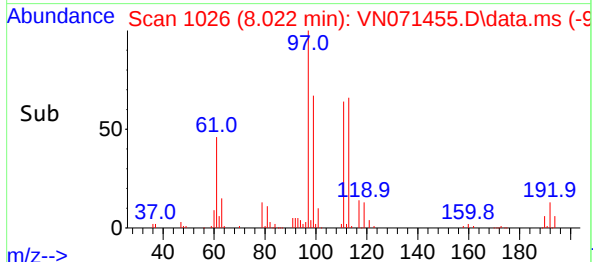
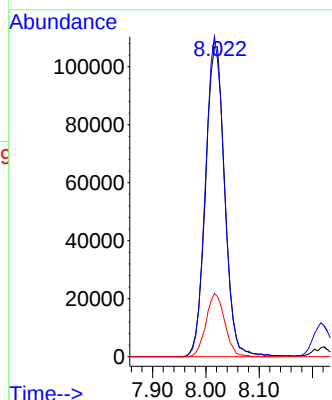
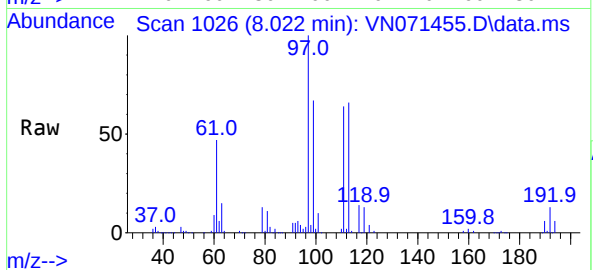




#35  
Dibromofluoromethane  
Concen: 43.682 ug/l  
RT: 8.022 min Scan# 1026  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

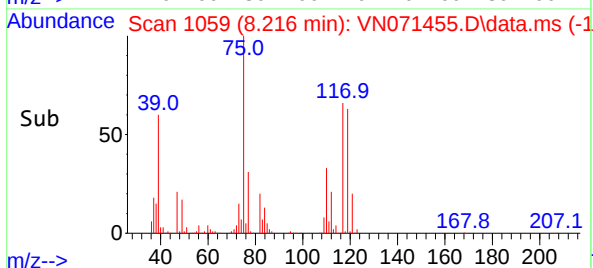
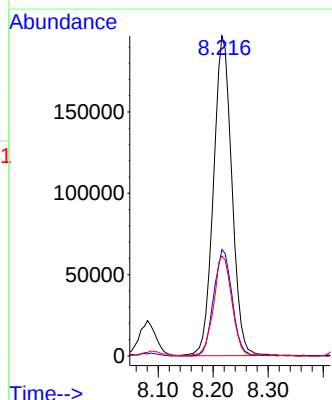
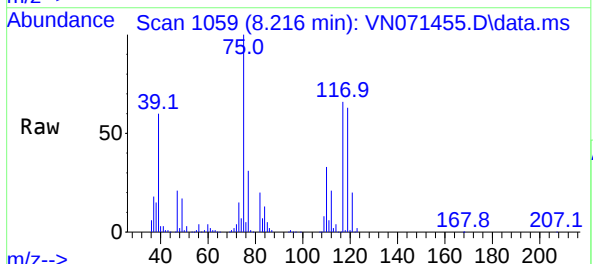
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

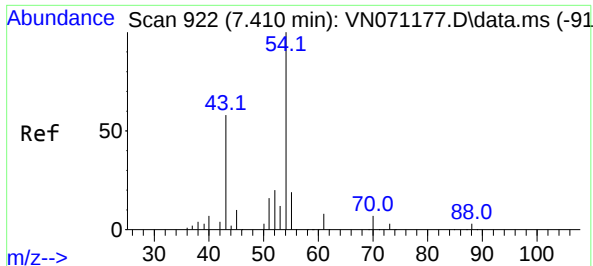
Tgt Ion:113 Resp: 268919  
Ion Ratio Lower Upper  
113 100  
111 100.8 82.2 123.2  
192 19.7 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 46.298 ug/l  
RT: 8.216 min Scan# 1059  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 75 Resp: 456669  
Ion Ratio Lower Upper  
75 100  
110 33.4 18.4 55.2  
77 30.8 24.4 36.6

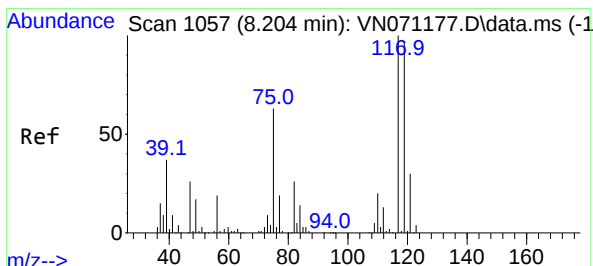
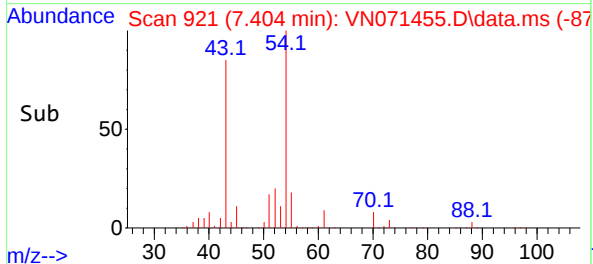
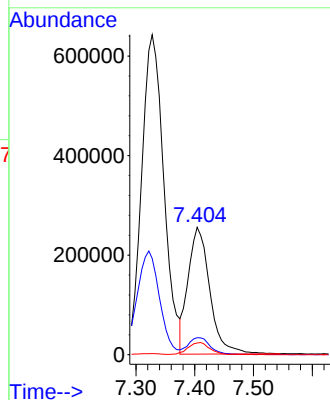
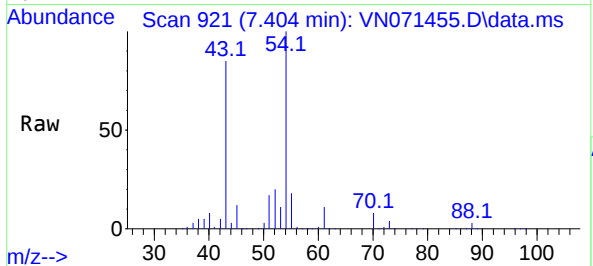




#37  
Ethyl Acetate  
Concen: 48.219 ug/l  
RT: 7.404 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

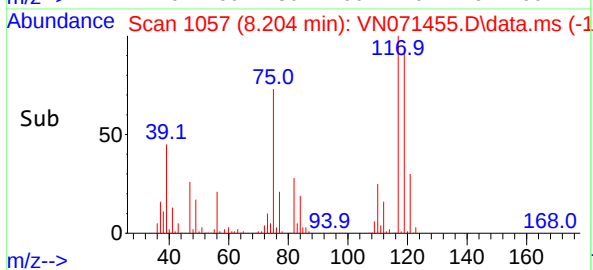
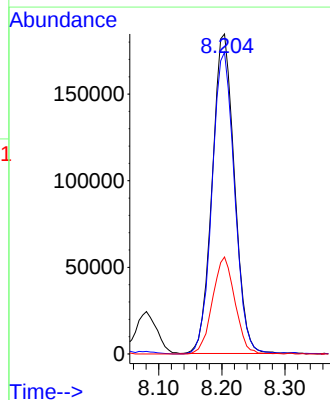
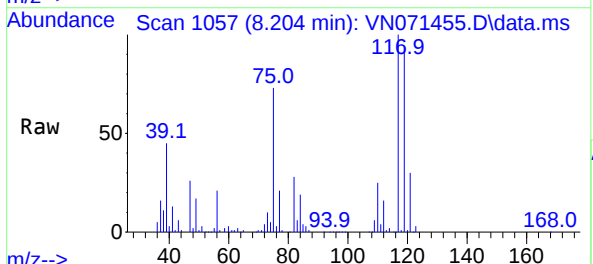
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

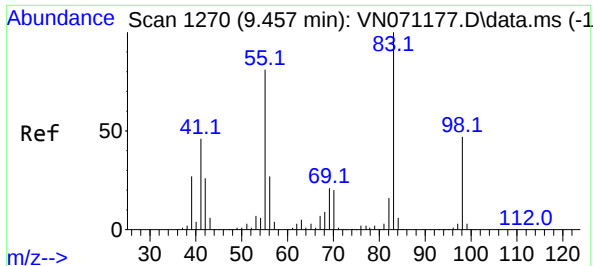
Tgt Ion: 43 Resp: 654563  
Ion Ratio Lower Upper  
43 100  
61 13.4 11.5 17.3  
70 9.6 7.9 11.9



#38  
Carbon Tetrachloride  
Concen: 47.267 ug/l  
RT: 8.204 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 117 Resp: 450965  
Ion Ratio Lower Upper  
117 100  
119 94.4 76.1 114.1  
121 30.3 24.2 36.2





#39

Methylcyclohexane

Concen: 45.277 ug/l

RT: 9.457 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VN071455.D

Acq: 22 Mar 2022 06:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

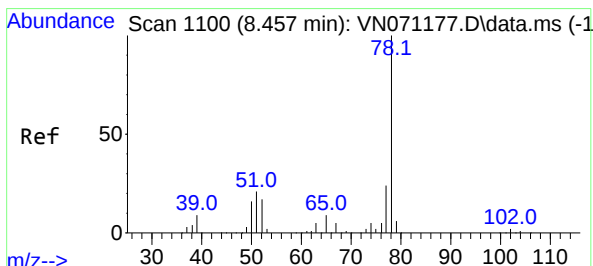
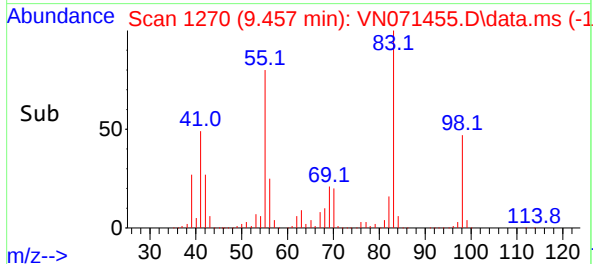
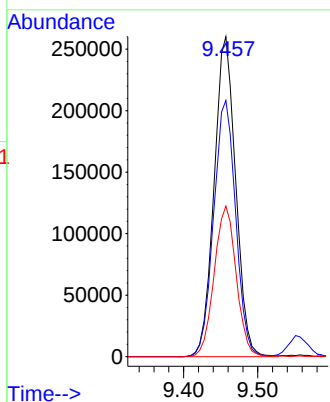
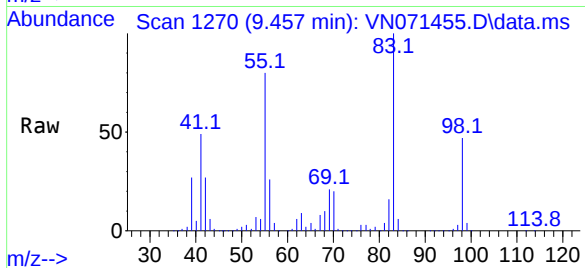
Tgt Ion: 83 Resp: 525382

Ion Ratio Lower Upper

83 100

55 80.1 58.1 87.1

98 47.1 38.4 57.6



#40

Benzene

Concen: 47.735 ug/l

RT: 8.457 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VN071455.D

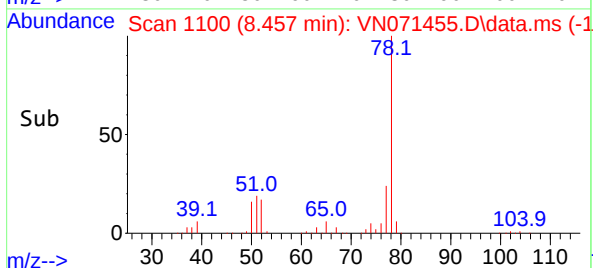
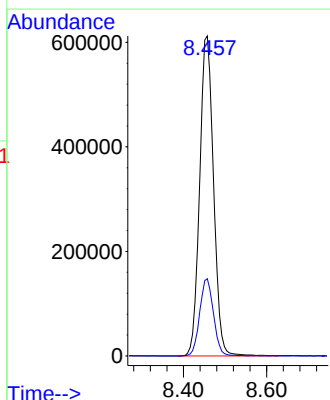
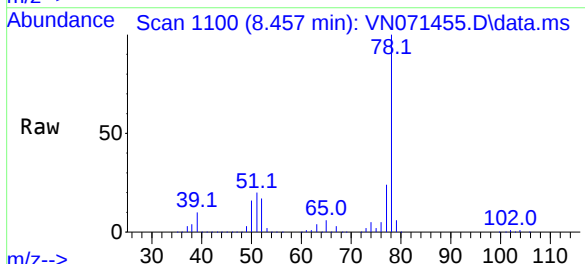
Acq: 22 Mar 2022 06:57

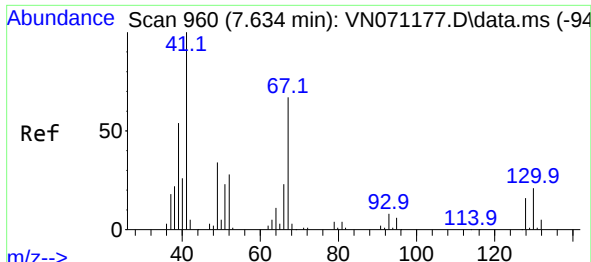
Tgt Ion: 78 Resp: 1418613

Ion Ratio Lower Upper

78 100

77 24.1 18.6 27.8

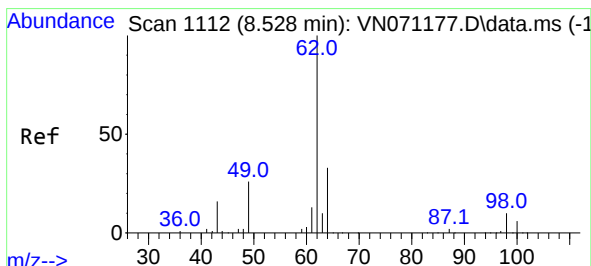
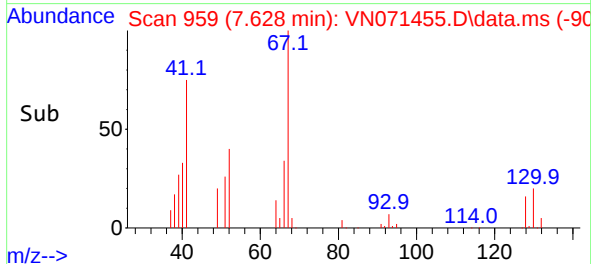
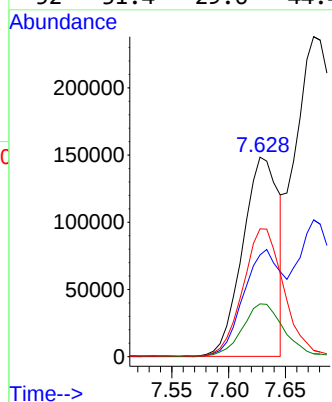
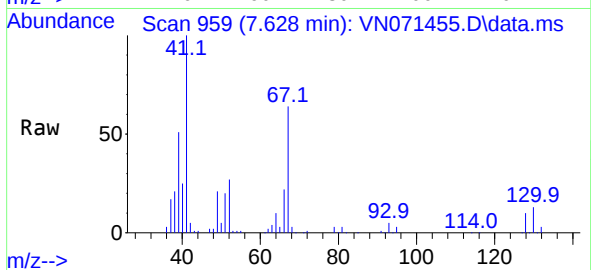




#41  
Methacrylonitrile  
Concen: 49.296 ug/l  
RT: 7.628 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

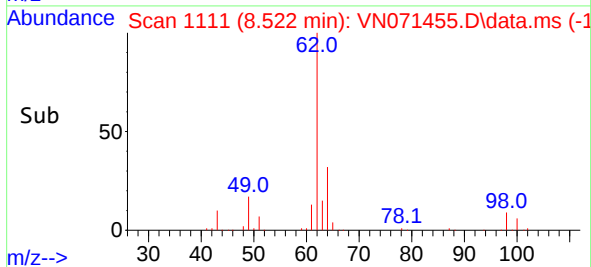
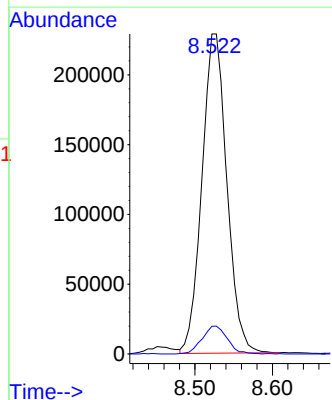
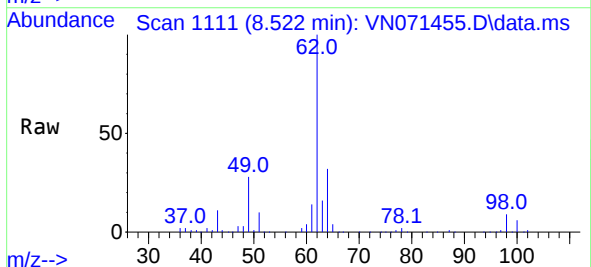
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 327491  
Ion Ratio Lower Upper  
41 100  
39 59.0 48.1 72.1  
67 73.3 68.3 102.5  
52 31.4 29.6 44.4



#42  
1,2-Dichloroethane  
Concen: 49.487 ug/l  
RT: 8.522 min Scan# 1111  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 62 Resp: 511783  
Ion Ratio Lower Upper  
62 100  
98 8.8 0.0 17.6

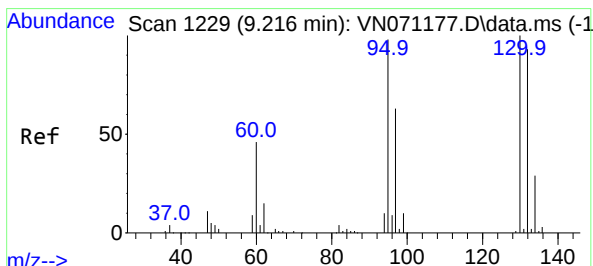
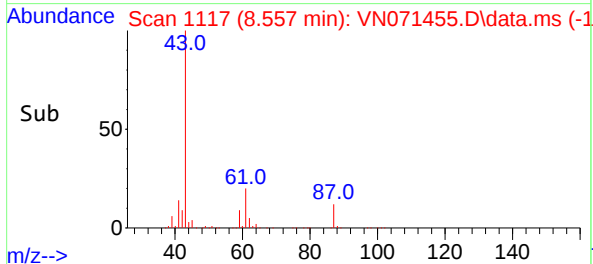
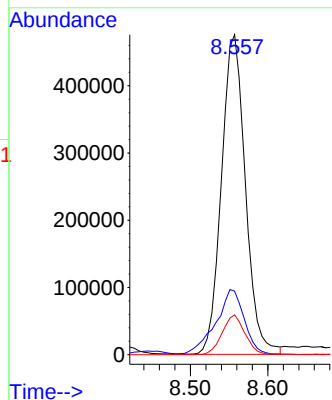
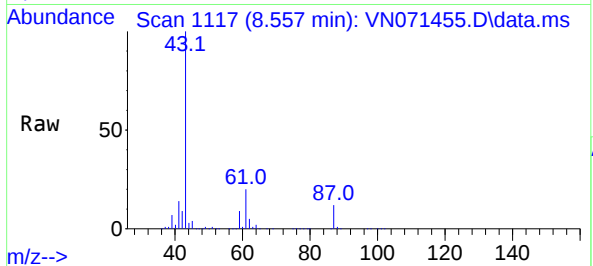




#43  
Isopropyl Acetate  
Concen: 50.433 ug/l  
RT: 8.557 min Scan# 1117  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

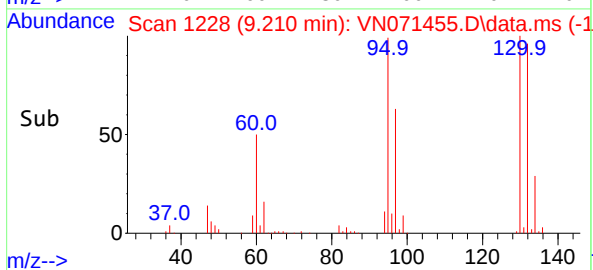
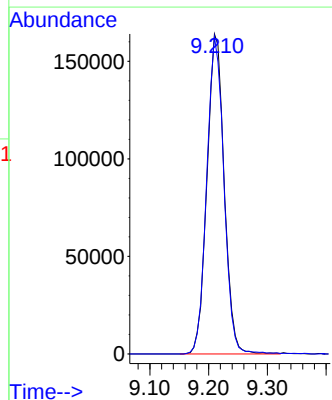
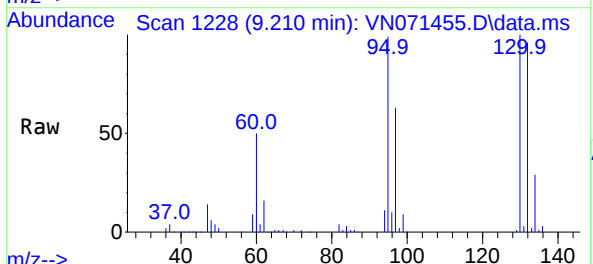
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

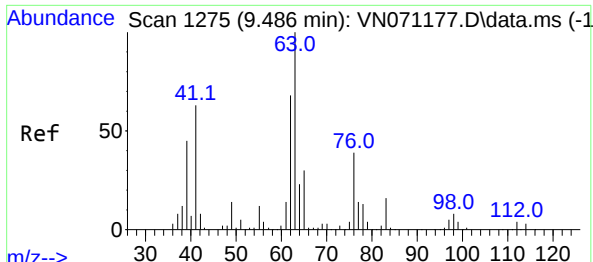
Tgt Ion: 43 Resp: 1023791  
Ion Ratio Lower Upper  
43 100  
61 24.3 20.4 30.6  
87 11.8 11.2 16.8



#44  
Trichloroethene  
Concen: 47.714 ug/l  
RT: 9.210 min Scan# 1228  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion:130 Resp: 334577  
Ion Ratio Lower Upper  
130 100  
95 99.1 0.0 191.2

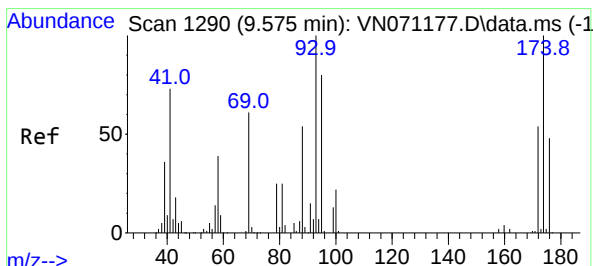
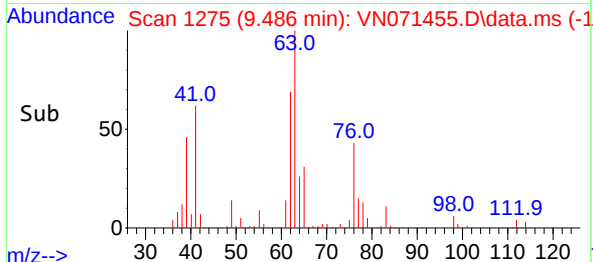
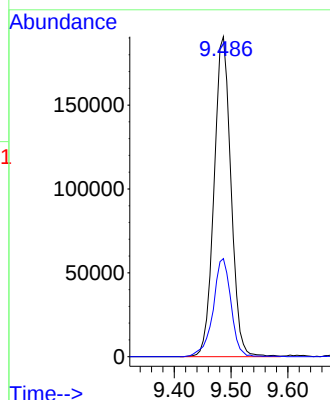
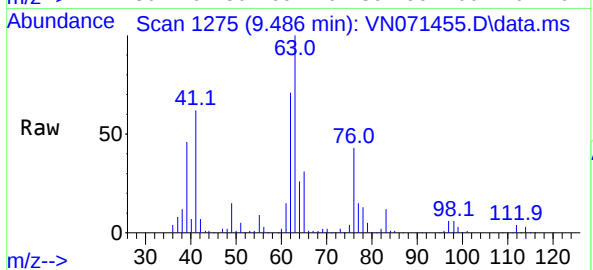




#45  
1,2-Dichloropropane  
Concen: 49.483 ug/l  
RT: 9.486 min Scan# 1275  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

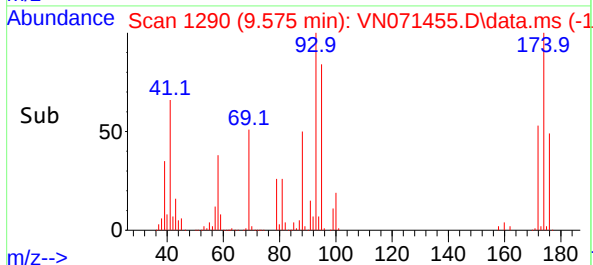
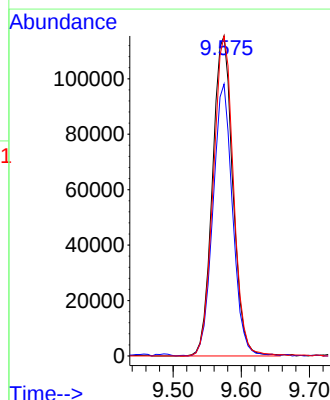
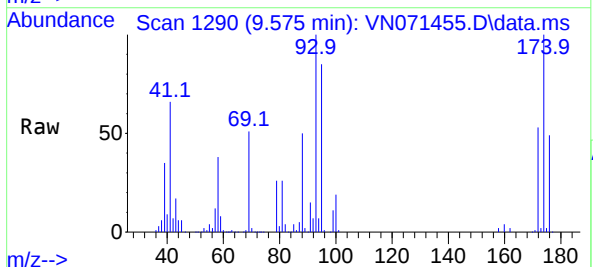
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 63 Resp: 394760  
Ion Ratio Lower Upper  
63 100  
65 30.7 24.7 37.1



#46  
Dibromomethane  
Concen: 48.827 ug/l  
RT: 9.575 min Scan# 1290  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 93 Resp: 239754  
Ion Ratio Lower Upper  
93 100  
95 82.3 65.9 98.9  
174 99.2 84.6 127.0

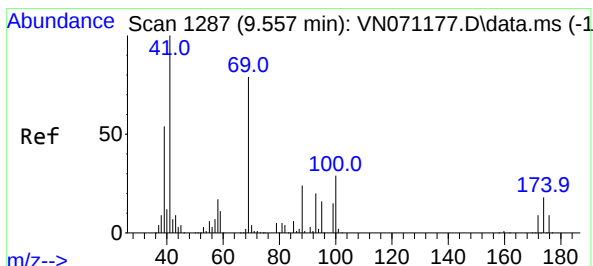
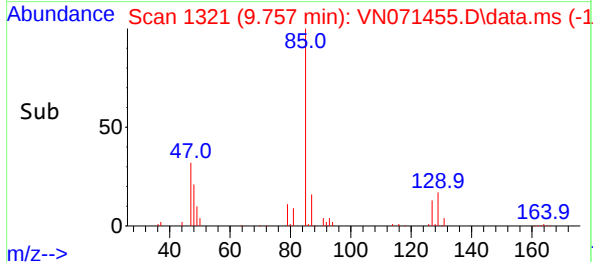
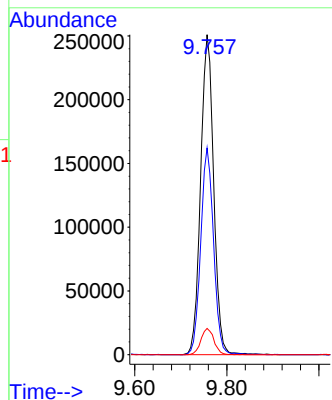
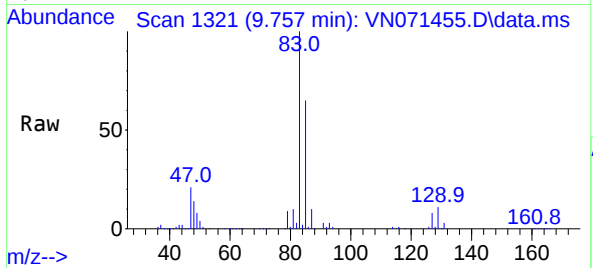




#47  
Bromodichloromethane  
Concen: 49.914 ug/l  
RT: 9.757 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

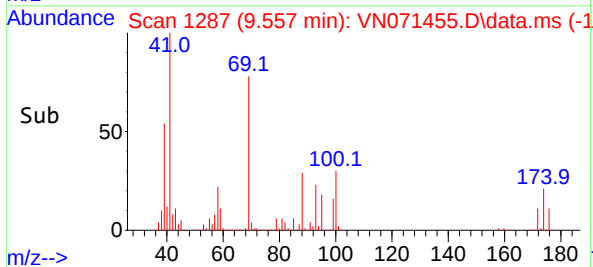
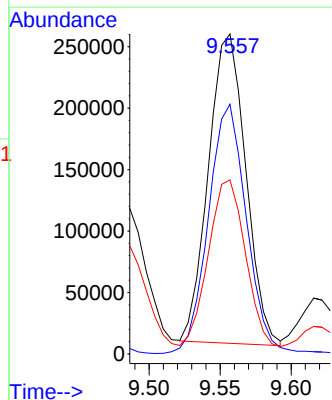
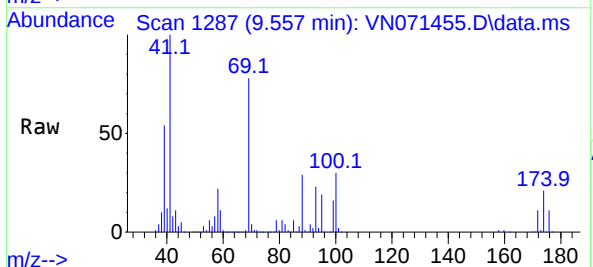
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

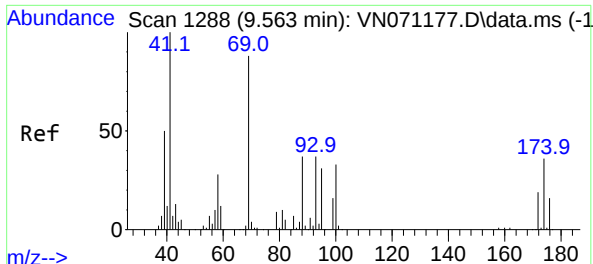
Tgt Ion: 83 Resp: 495305  
Ion Ratio Lower Upper  
83 100  
85 64.6 50.9 76.3  
127 8.2 7.1 10.7



#48  
Methyl methacrylate  
Concen: 48.915 ug/l  
RT: 9.557 min Scan# 1287  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 41 Resp: 460167  
Ion Ratio Lower Upper  
41 100  
69 82.7 72.4 108.6  
39 58.1 58.4 87.6#

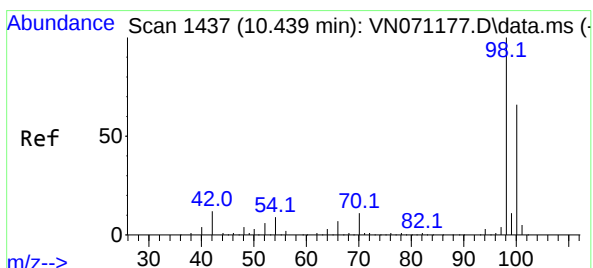
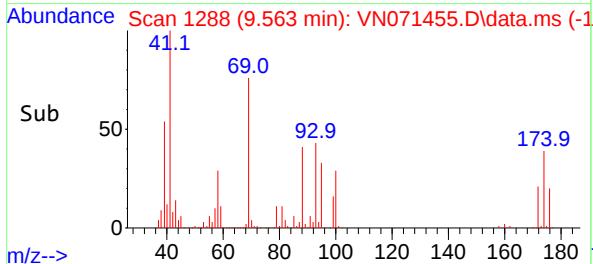
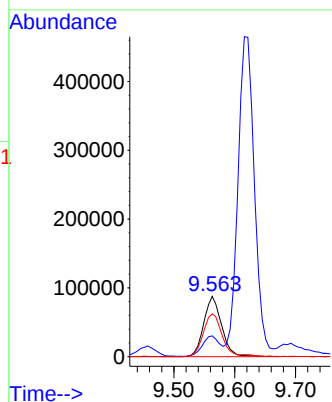
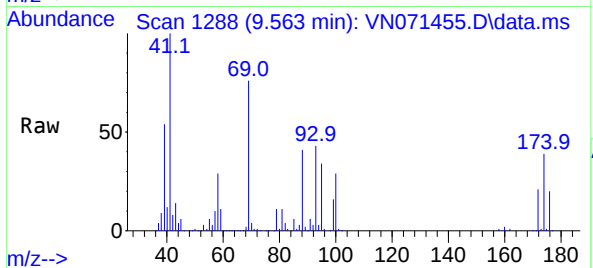




#49  
1,4-Dioxane  
Concen: 1088.374 ug/l  
RT: 9.563 min Scan# 1288  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

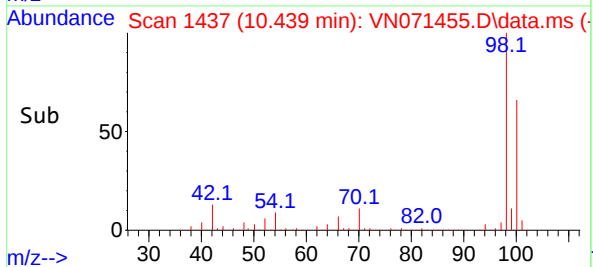
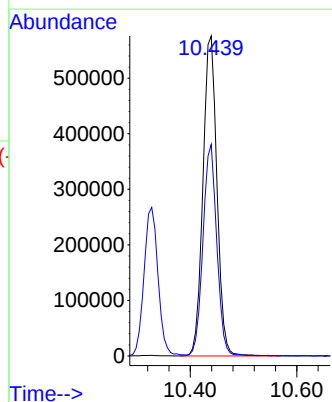
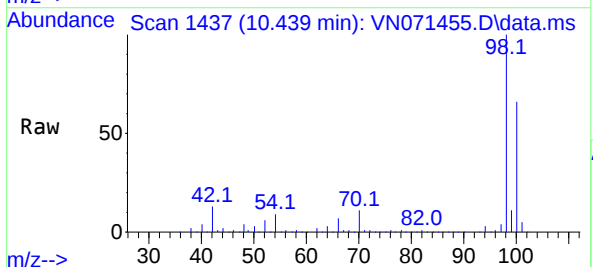
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

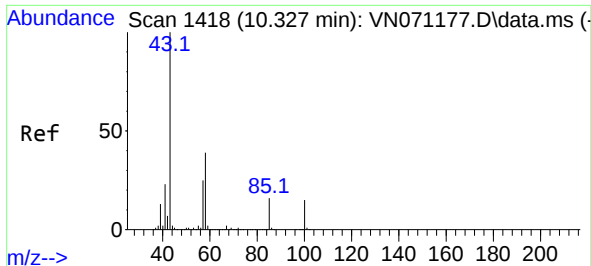
Tgt Ion: 88 Resp: 177973  
Ion Ratio Lower Upper  
88 100  
43 32.6 23.4 35.2  
58 76.5 50.6 75.8#



#50  
Toluene-d8  
Concen: 42.384 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 98 Resp: 1050571  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.4 75.6

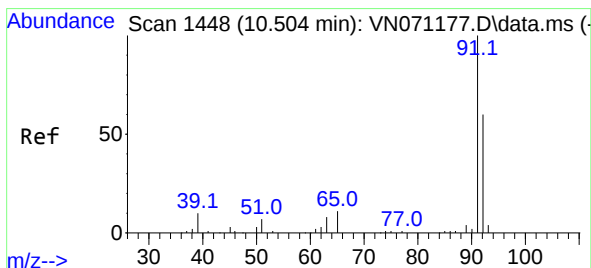
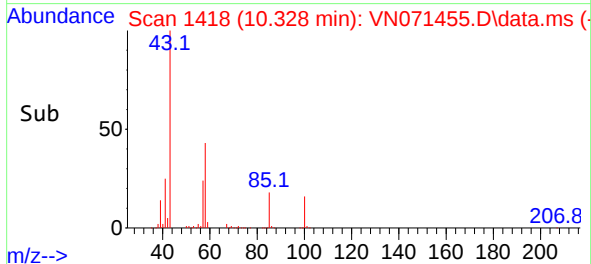
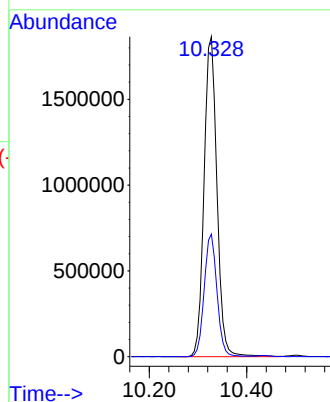
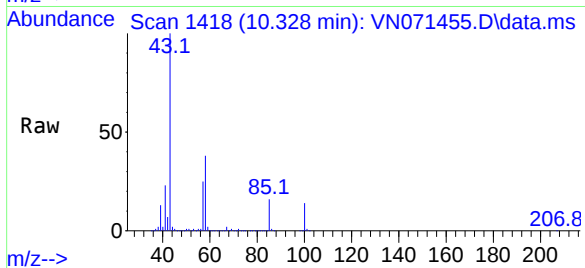




#51  
4-Methyl-2-Pentanone  
Concen: 270.910 ug/l  
RT: 10.328 min Scan# 1418  
Delta R.T. 0.001 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

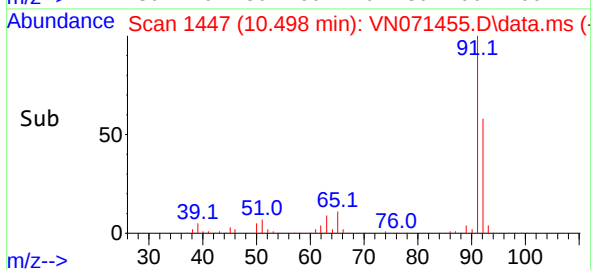
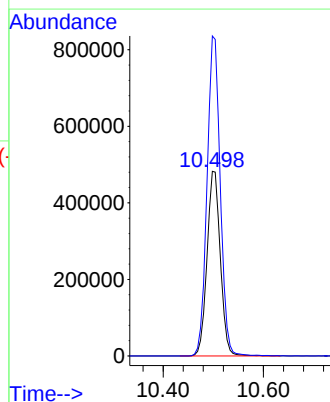
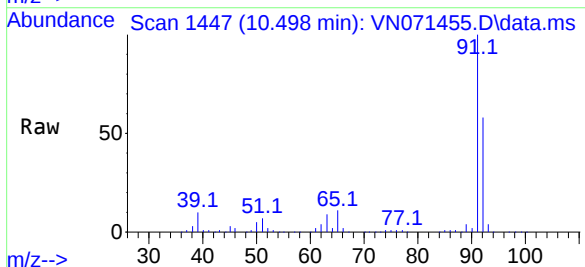
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

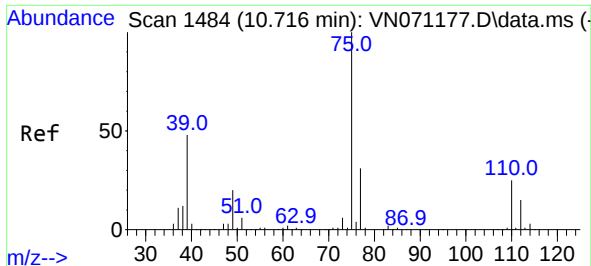
Tgt Ion: 43 Resp: 3413021  
Ion Ratio Lower Upper  
43 100  
58 38.0 30.4 45.6



#52  
Toluene  
Concen: 48.492 ug/l  
RT: 10.498 min Scan# 1447  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 92 Resp: 887418  
Ion Ratio Lower Upper  
92 100  
91 172.2 142.0 213.0

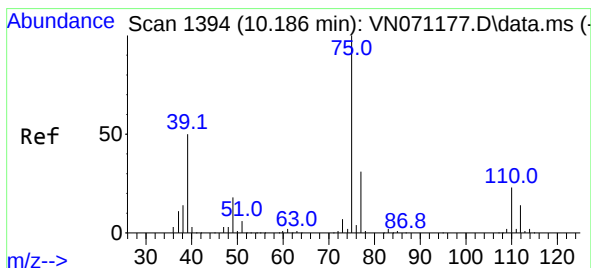
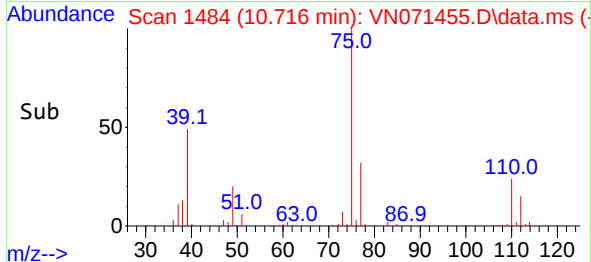
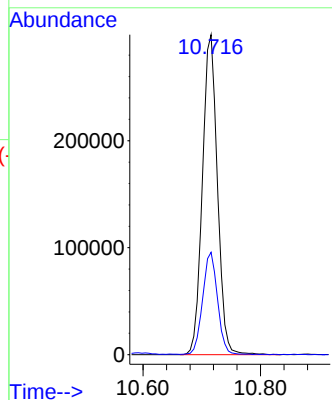
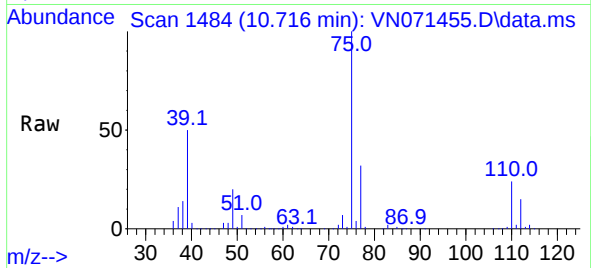




#53  
t-1,3-Dichloropropene  
Concen: 48.508 ug/l  
RT: 10.716 min Scan# 1484  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

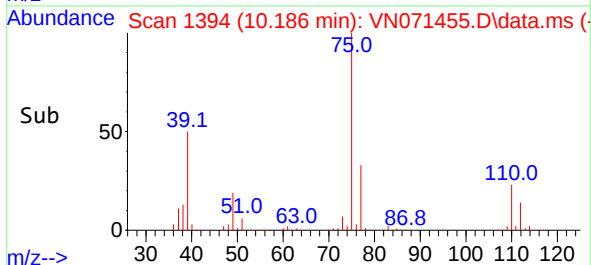
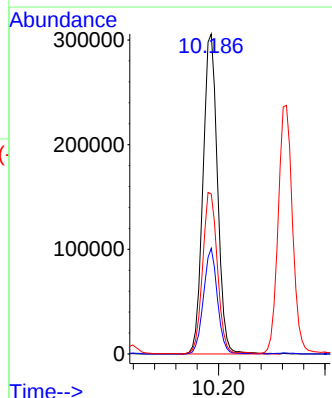
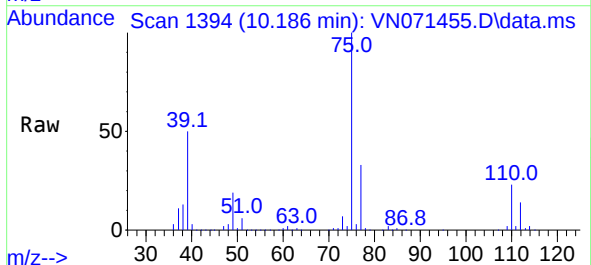
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

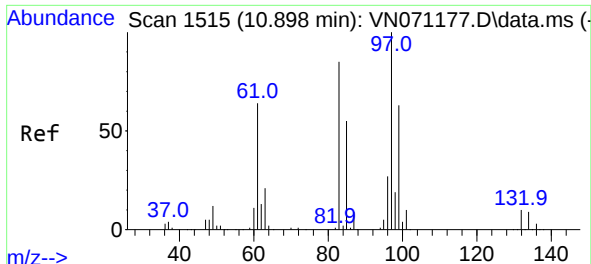
Tgt Ion: 75 Resp: 530609  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.6 38.4



#54  
cis-1,3-Dichloropropene  
Concen: 48.386 ug/l  
RT: 10.186 min Scan# 1394  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 75 Resp: 578310  
Ion Ratio Lower Upper  
75 100  
77 33.0 26.4 39.6  
39 50.0 42.5 63.7



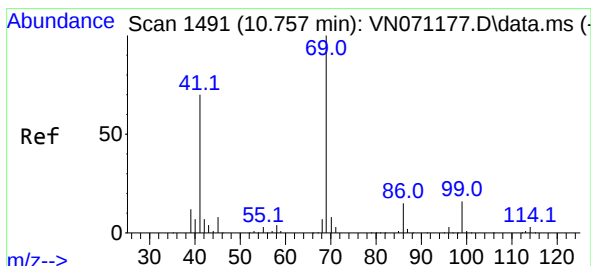
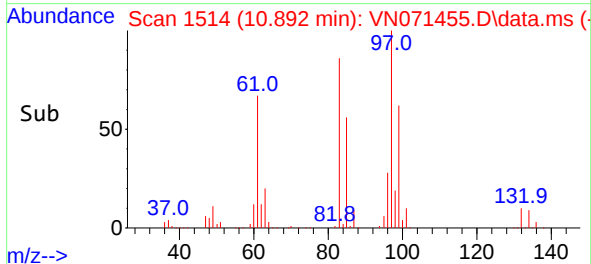
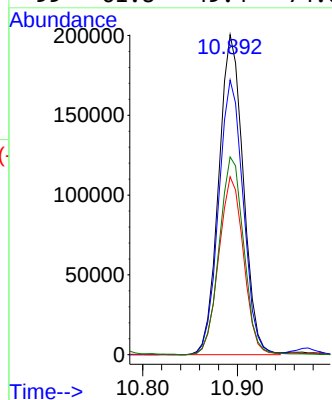
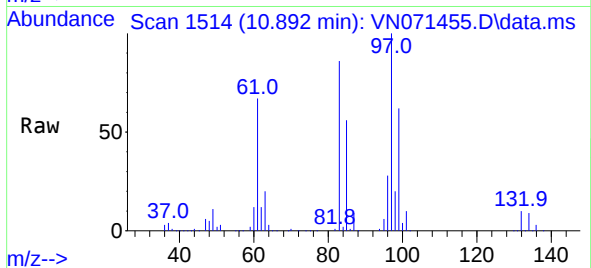


#55  
1,1,2-Trichloroethane  
Concen: 49.092 ug/l  
RT: 10.892 min Scan# 1514  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 359994

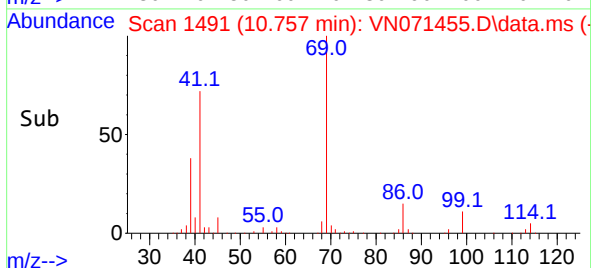
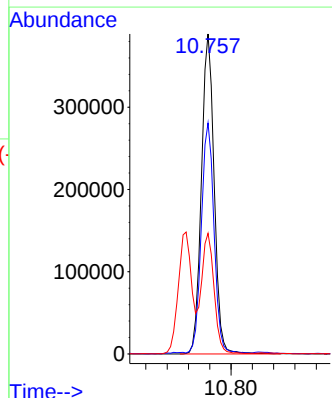
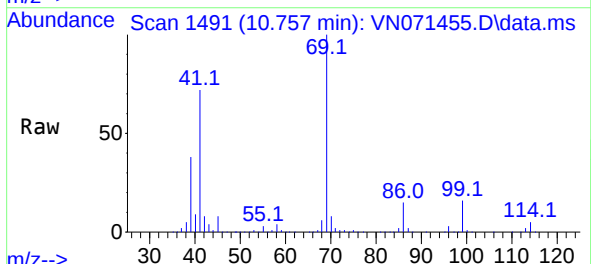
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 85.8  | 67.8  | 101.6 |
| 85  | 55.6  | 45.4  | 68.2  |
| 99  | 61.8  | 49.4  | 74.0  |

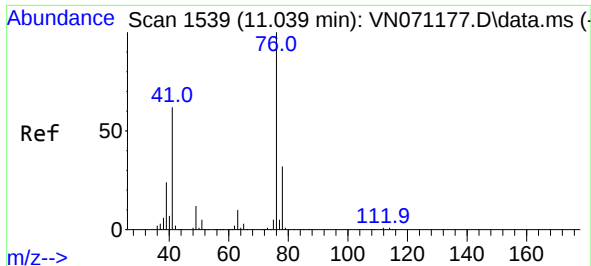


#56  
Ethyl methacrylate  
Concen: 53.772 ug/l  
RT: 10.757 min Scan# 1491  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 69 Resp: 643941

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 71.5  | 51.4  | 77.0  |
| 39  | 37.2  | 34.6  | 52.0  |





#57

1,3-Dichloropropane

Concen: 49.593 ug/l

RT: 11.039 min Scan# 1539

Delta R.T. 0.000 min

Lab File: VN071455.D

Acq: 22 Mar 2022 06:57

Instrument :

MSVOA\_N

ClientSampleId :

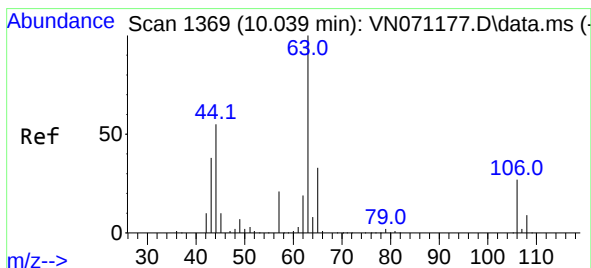
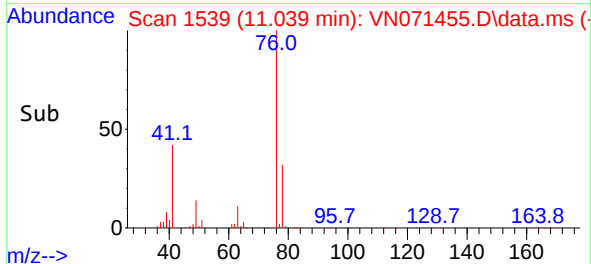
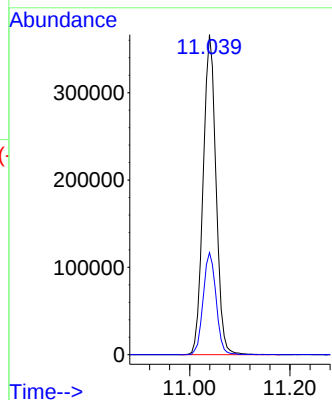
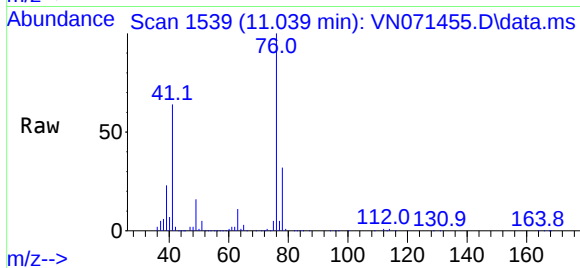
VSTDCCC050EC

Tgt Ion: 76 Resp: 652765

Ion Ratio Lower Upper

76 100

78 32.0 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 270.254 ug/l

RT: 10.039 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VN071455.D

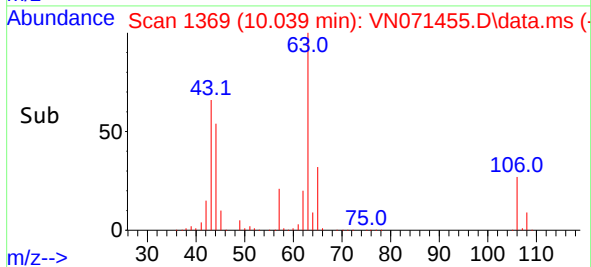
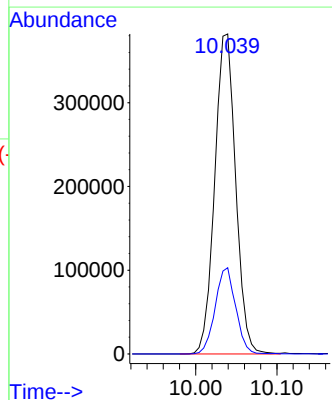
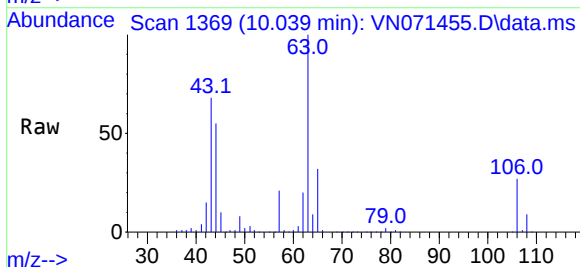
Acq: 22 Mar 2022 06:57

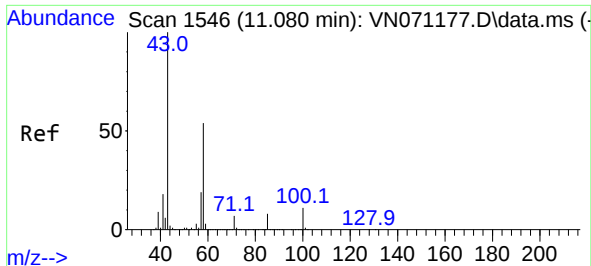
Tgt Ion: 63 Resp: 686344

Ion Ratio Lower Upper

63 100

106 26.3 23.9 35.9

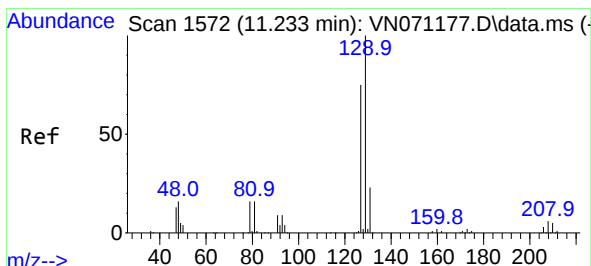
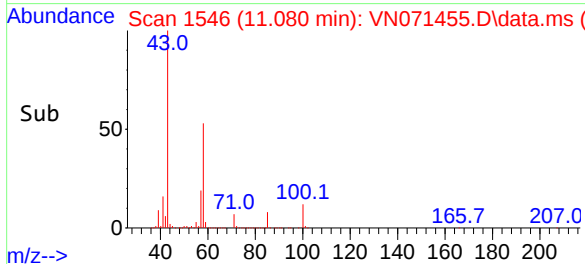
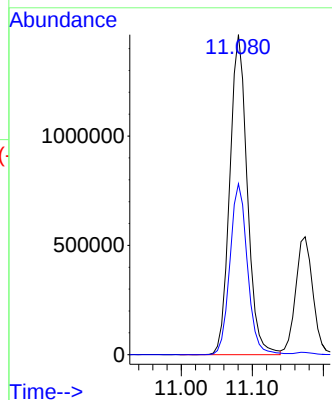
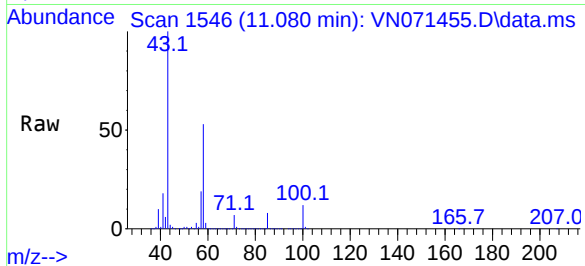




#59  
2-Hexanone  
Concen: 291.434 ug/l  
RT: 11.080 min Scan# 1546  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

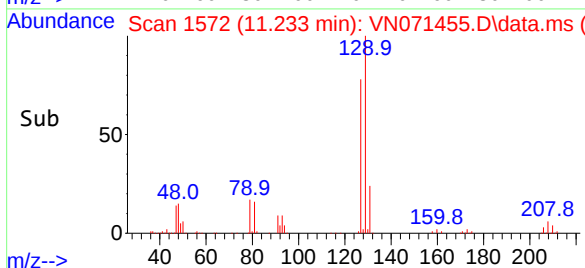
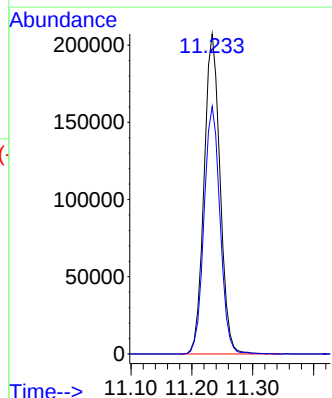
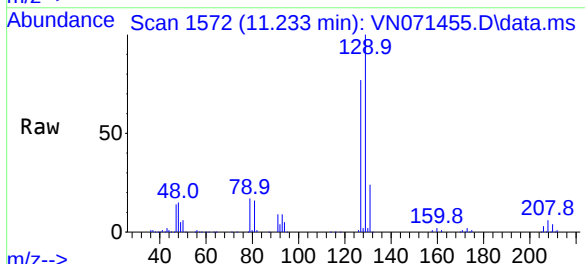
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

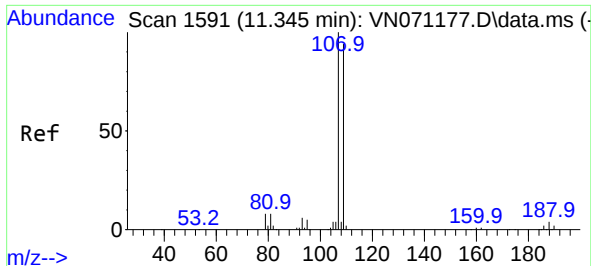
Tgt Ion: 43 Resp: 2505159  
Ion Ratio Lower Upper  
43 100  
58 53.5 26.9 80.7



#60  
Dibromochloromethane  
Concen: 51.590 ug/l  
RT: 11.233 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 129 Resp: 375892  
Ion Ratio Lower Upper  
129 100  
127 77.9 38.6 116.0

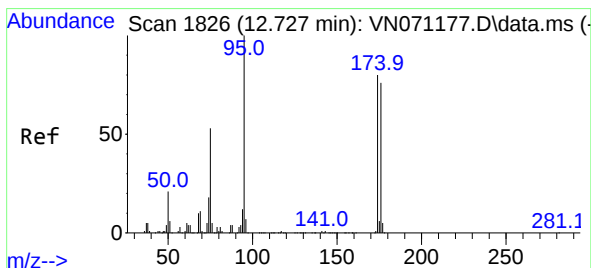
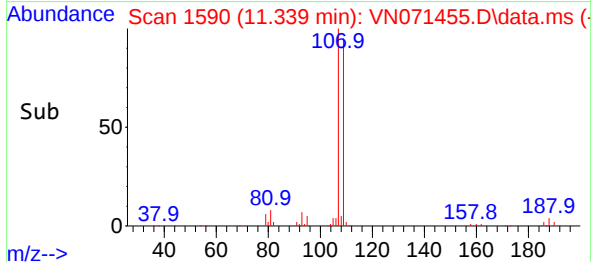
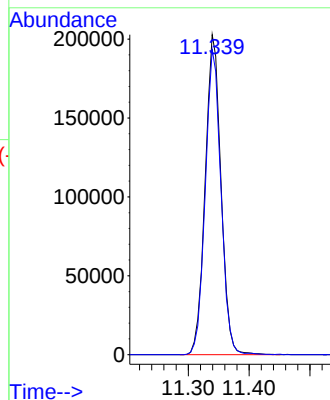
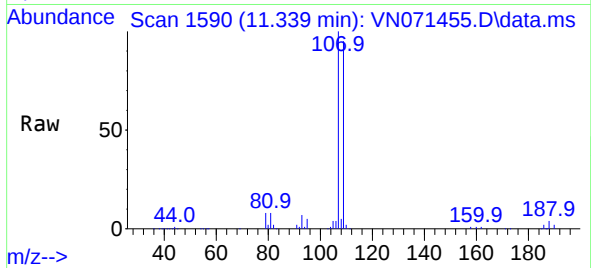




#61  
1,2-Dibromoethane  
Concen: 48.714 ug/l  
RT: 11.339 min Scan# 1591  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

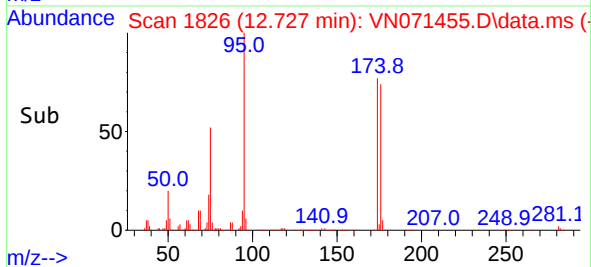
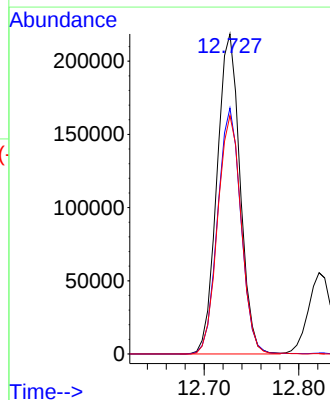
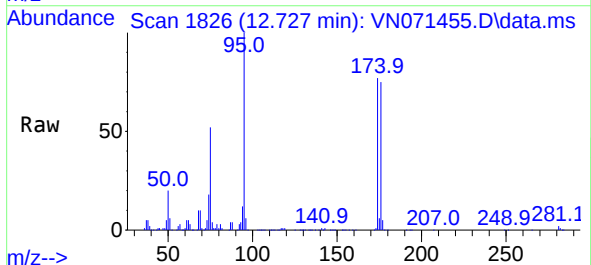
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

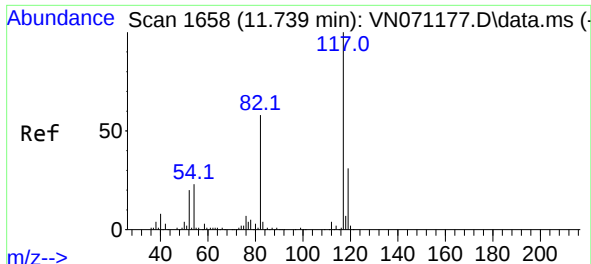
Tgt Ion:107 Resp: 365096  
Ion Ratio Lower Upper  
107 100  
109 94.9 75.7 113.5



#62  
4-Bromofluorobenzene  
Concen: 44.060 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 95 Resp: 369823  
Ion Ratio Lower Upper  
95 100  
174 77.5 0.0 187.2  
176 76.1 0.0 181.4

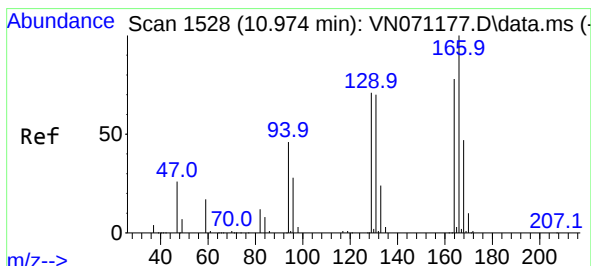
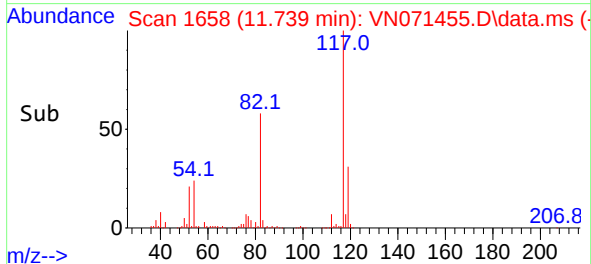
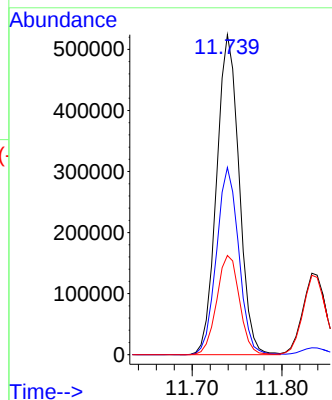
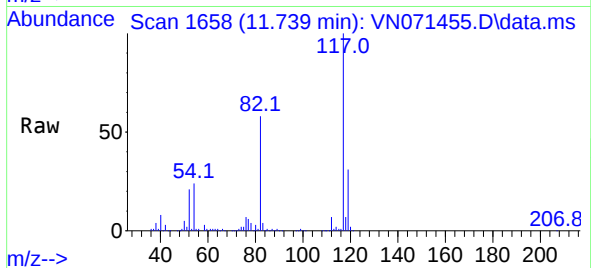




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

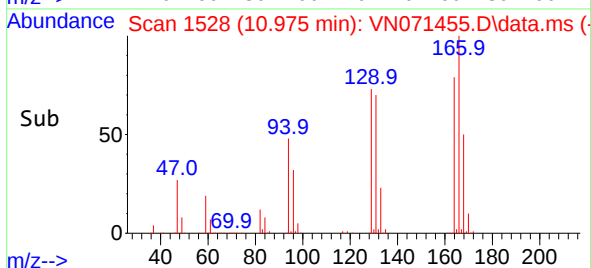
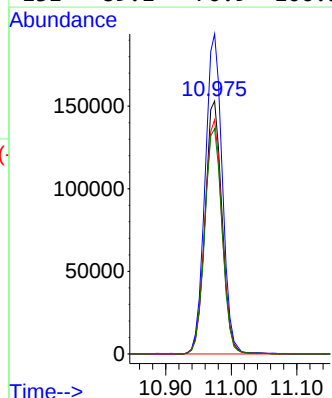
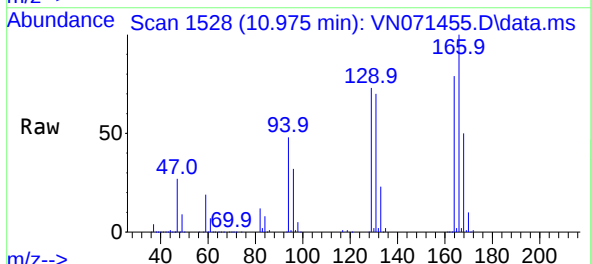
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDC0050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 911720 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 58.5  | 42.4  | 63.6   |
| 119      | 31.0  | 25.4  | 38.2   |



#64  
Tetrachloroethene  
Concen: 43.498 ug/l  
RT: 10.975 min Scan# 1528  
Delta R.T. 0.001 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 276591 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 166      | 126.5 | 101.9 | 152.9  |
| 129      | 92.5  | 72.0  | 108.0  |
| 131      | 89.1  | 70.9  | 106.3  |

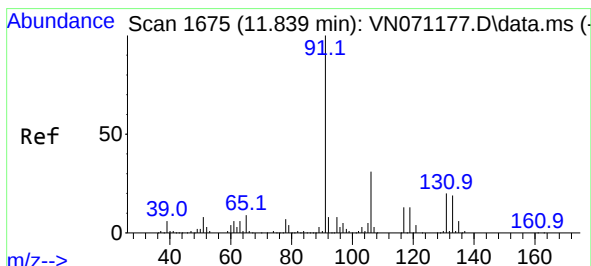
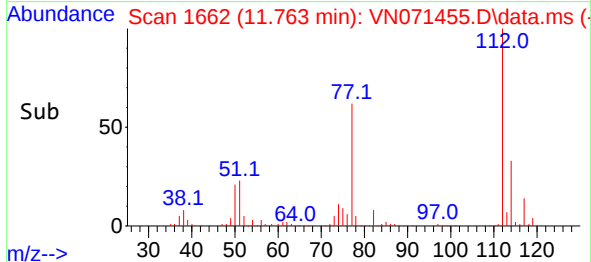
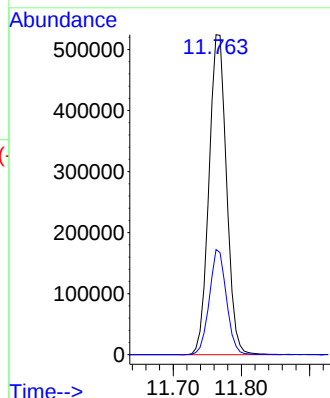
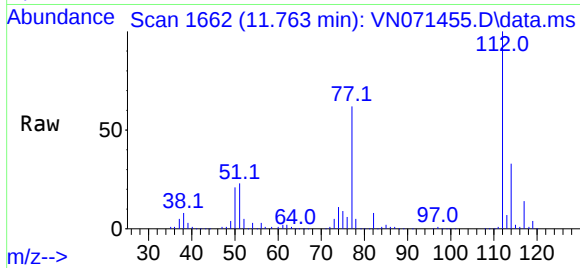




#65  
Chlorobenzene  
Concen: 48.012 ug/l  
RT: 11.763 min Scan# 1662  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

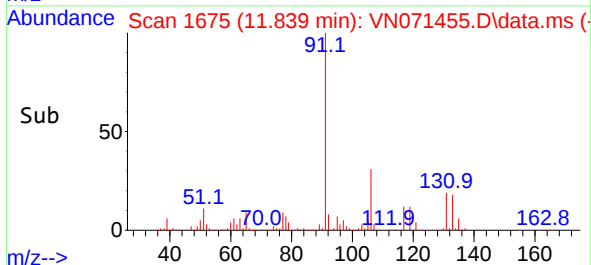
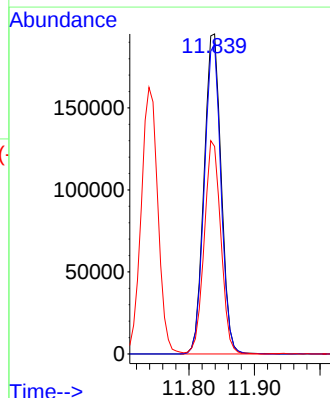
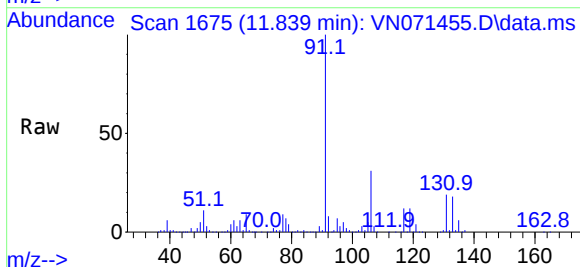
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

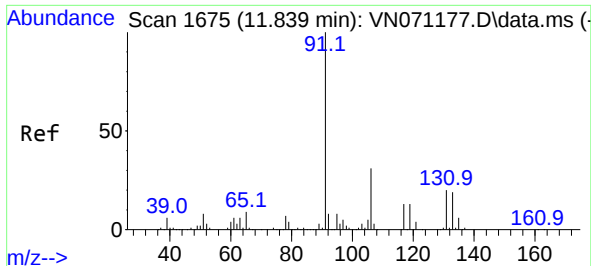
Tgt Ion:112 Resp: 940057  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.404 ug/l  
RT: 11.839 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion:131 Resp: 354688  
Ion Ratio Lower Upper  
131 100  
133 94.6 47.9 143.7  
119 64.8 32.1 96.5





#67

Ethyl Benzene

Concen: 49.634 ug/l

RT: 11.839 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VN071455.D

Acq: 22 Mar 2022 06:57

Instrument :

MSVOA\_N

ClientSampleId :

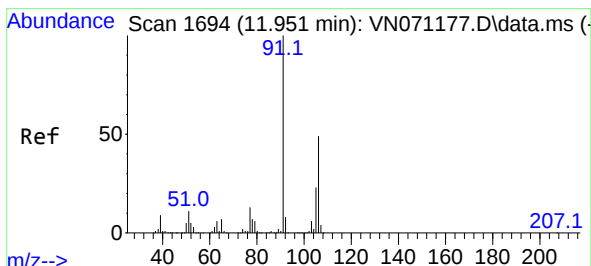
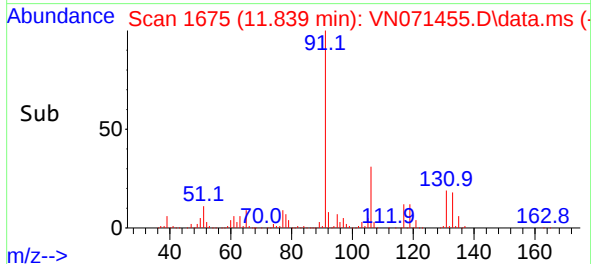
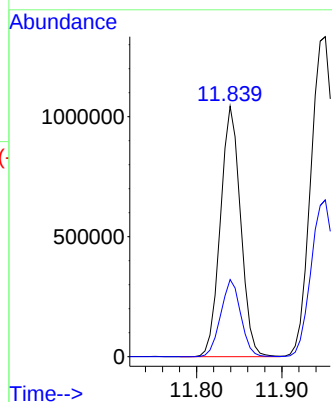
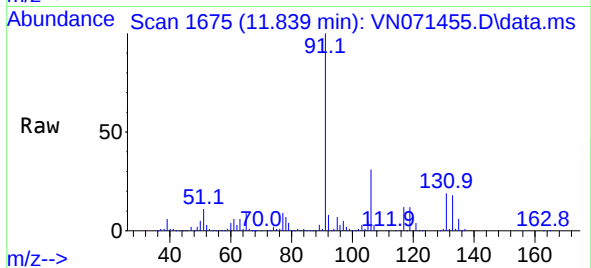
VSTDCCC050EC

Tgt Ion: 91 Resp: 1718313

Ion Ratio Lower Upper

91 100

106 30.8 25.7 38.5



#68

m/p-Xylenes

Concen: 100.846 ug/l

RT: 11.951 min Scan# 1694

Delta R.T. -0.000 min

Lab File: VN071455.D

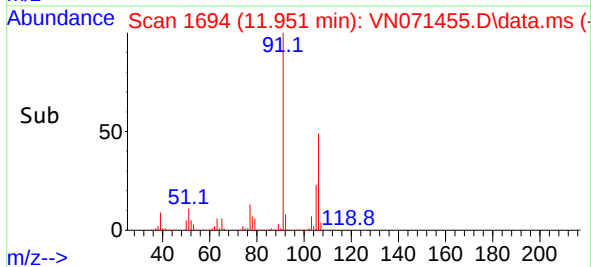
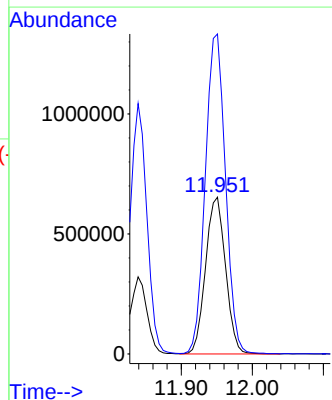
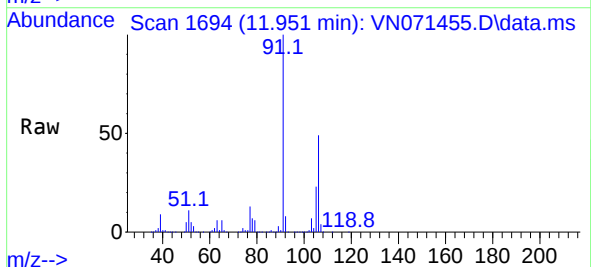
Acq: 22 Mar 2022 06:57

Tgt Ion:106 Resp: 1277185

Ion Ratio Lower Upper

106 100

91 205.6 160.6 240.8

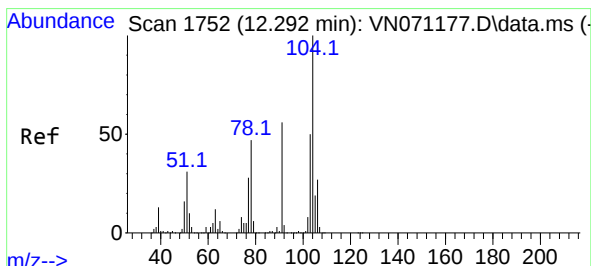
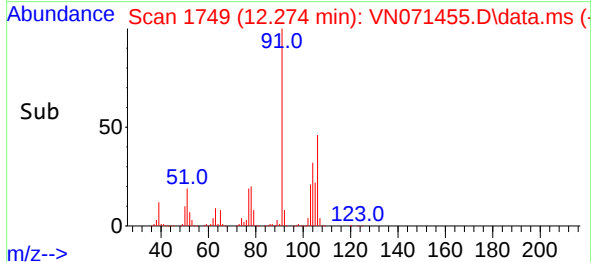
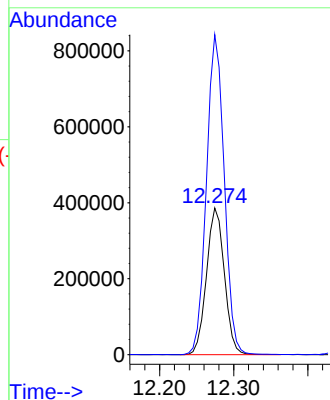
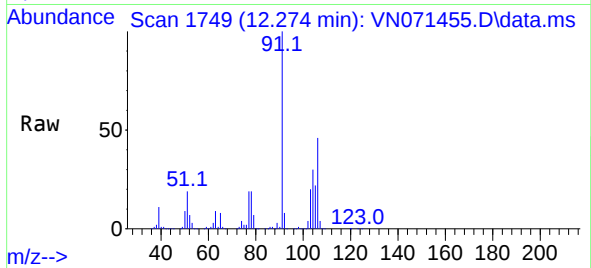




#69  
o-Xylene  
Concen: 51.021 ug/l  
RT: 12.274 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

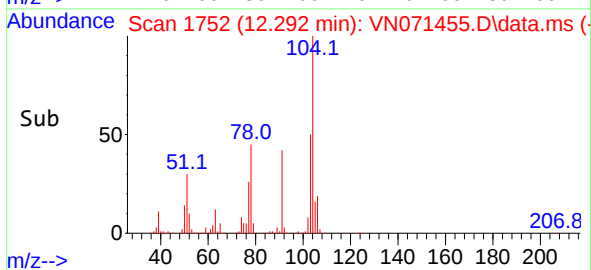
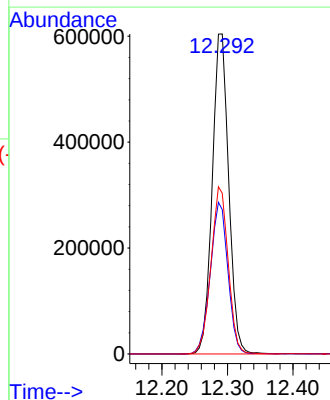
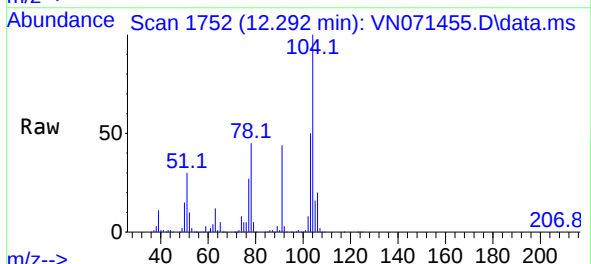
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

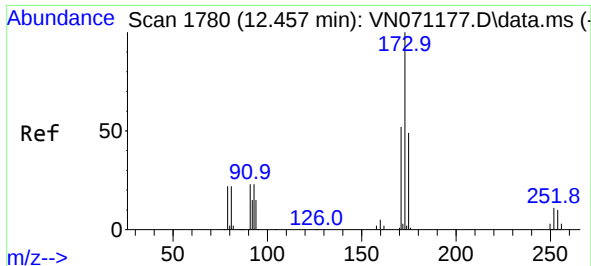
Tgt Ion:106 Resp: 647712  
Ion Ratio Lower Upper  
106 100  
91 216.5 105.8 317.3



#70  
Styrene  
Concen: 53.592 ug/l  
RT: 12.292 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion:104 Resp: 1053140  
Ion Ratio Lower Upper  
104 100  
78 50.7 38.7 58.1  
103 54.7 45.0 67.6

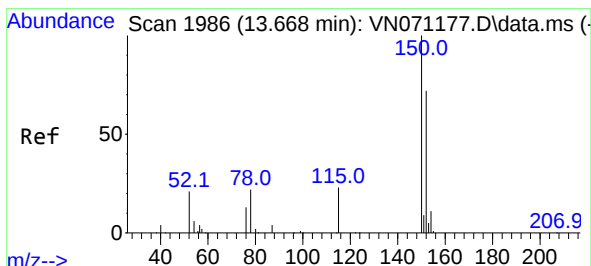
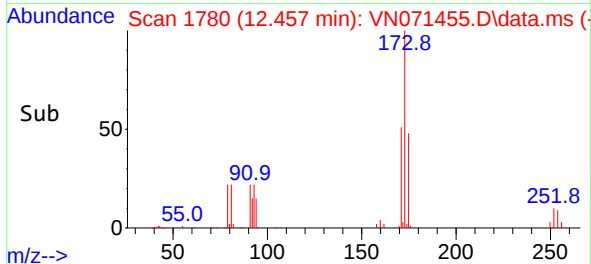
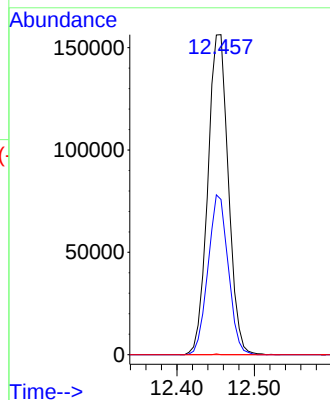
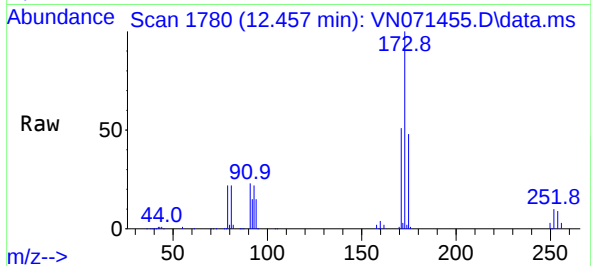




#71  
Bromoform  
Concen: 52.725 ug/l  
RT: 12.457 min Scan# 1780  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

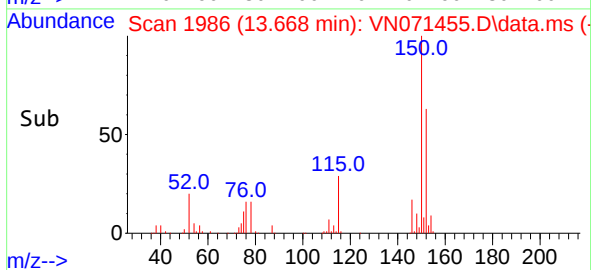
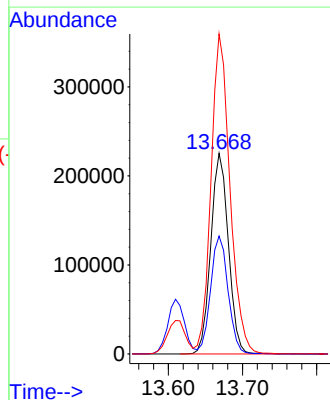
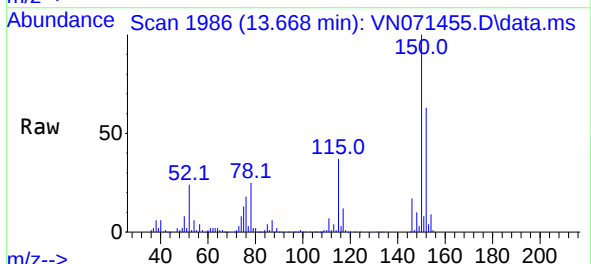
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

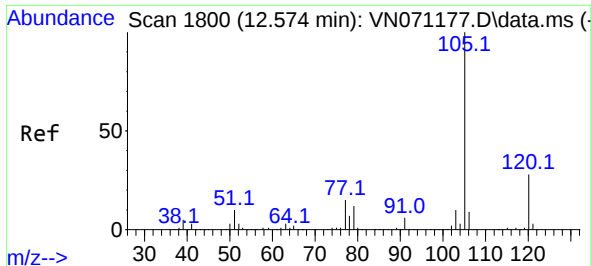
Tgt Ion:173 Resp: 287466  
Ion Ratio Lower Upper  
173 100  
175 49.1 24.2 72.6  
254 0.0 0.0 0.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.668 min Scan# 1986  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion:152 Resp: 371113  
Ion Ratio Lower Upper  
152 100  
115 58.5 27.5 82.5  
150 172.3 0.0 344.4

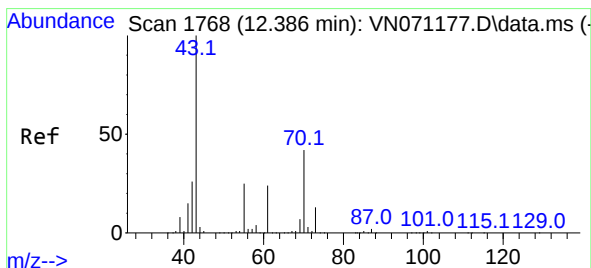
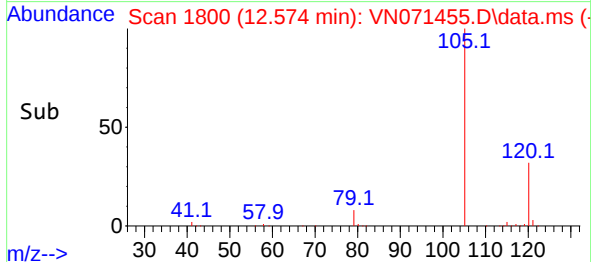
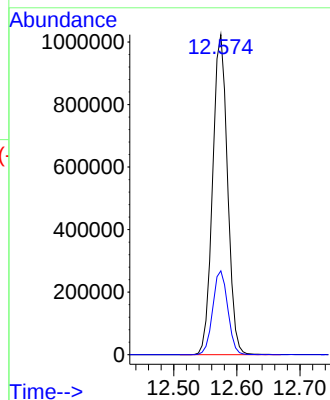
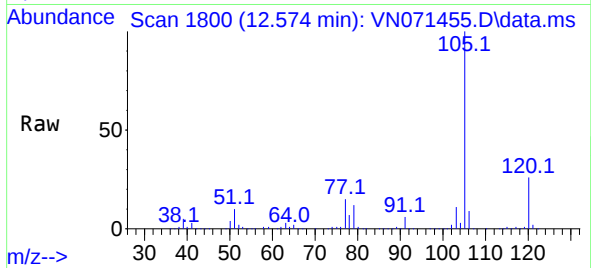




#73  
Isopropylbenzene  
Concen: 46.835 ug/l  
RT: 12.574 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

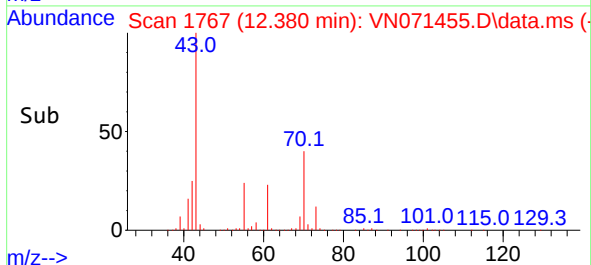
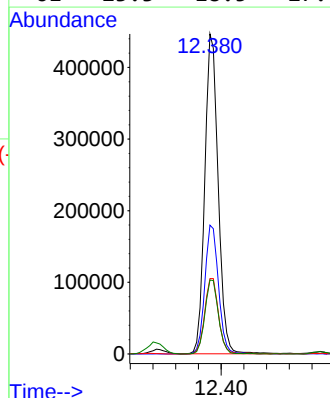
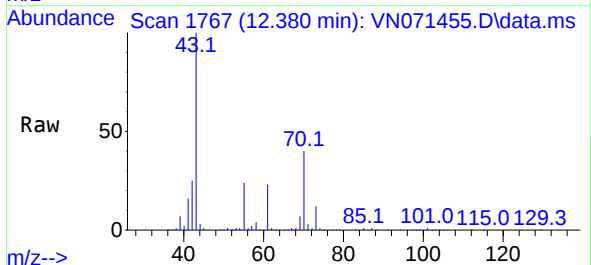
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

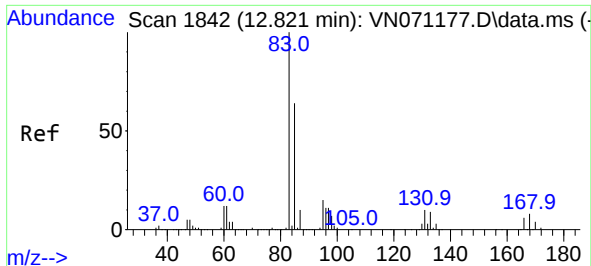
Tgt Ion:105 Resp: 1675492  
Ion Ratio Lower Upper  
105 100  
120 26.4 13.4 40.1



#74  
N-ethyl acetate  
Concen: 54.083 ug/l  
RT: 12.380 min Scan# 1767  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 43 Resp: 727486  
Ion Ratio Lower Upper  
43 100  
70 41.2 33.4 50.0  
55 24.3 19.3 28.9  
61 23.3 18.5 27.7

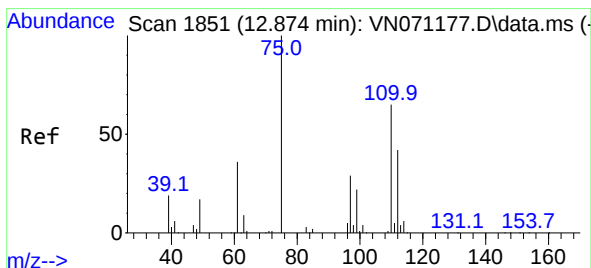
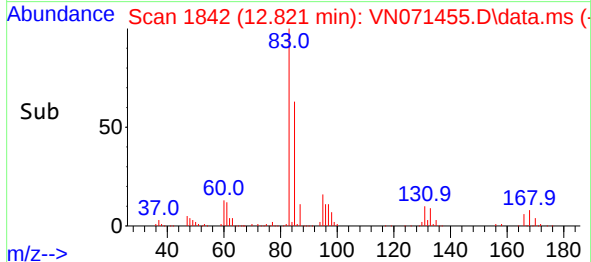
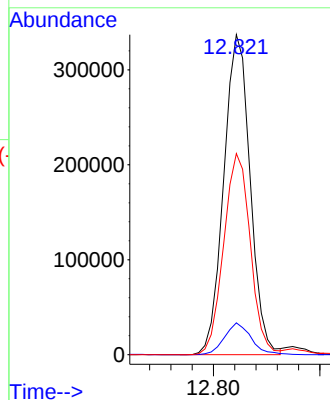
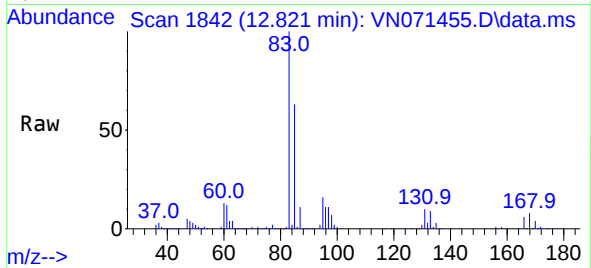




#75  
1,1,2,2-Tetrachloroethane  
Concen: 54.767 ug/l  
RT: 12.821 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

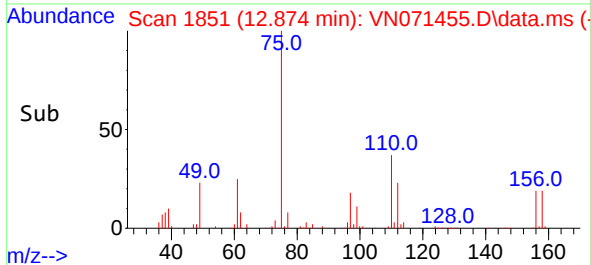
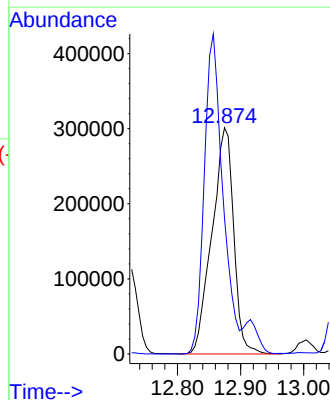
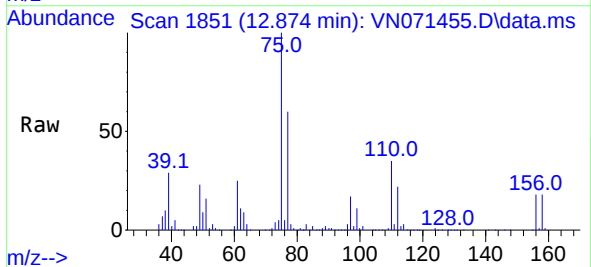
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

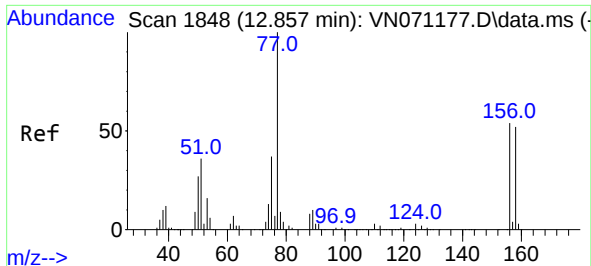
Tgt Ion: 83 Resp: 579629  
Ion Ratio Lower Upper  
83 100  
131 10.1 5.5 16.5  
85 63.3 32.4 97.2



#76  
1,2,3-Trichloropropane  
Concen: 81.831 ug/l  
RT: 12.874 min Scan# 1851  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 75 Resp: 719877  
Ion Ratio Lower Upper  
75 100  
77 120.4 82.6 247.8

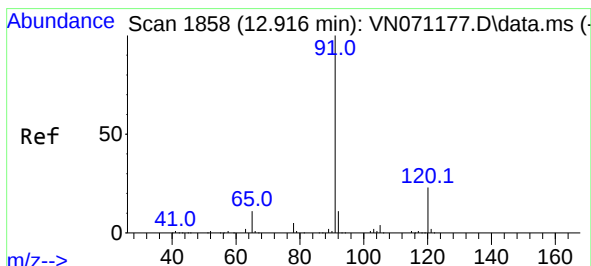
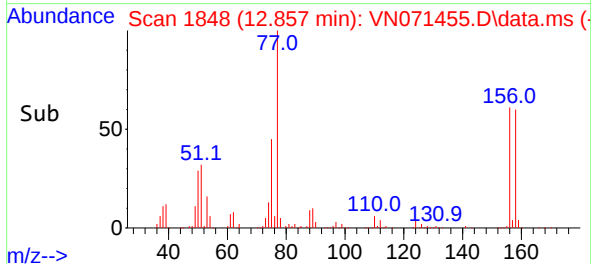
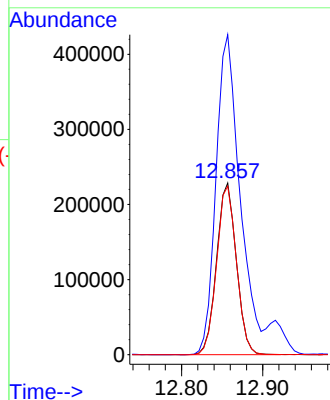
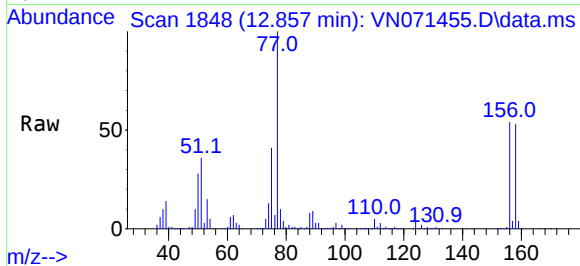




#77  
Bromobenzene  
Concen: 46.385 ug/l  
RT: 12.857 min Scan# 1848  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

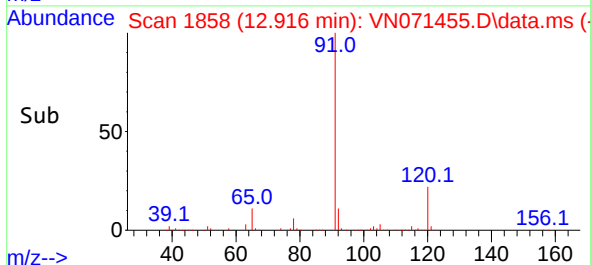
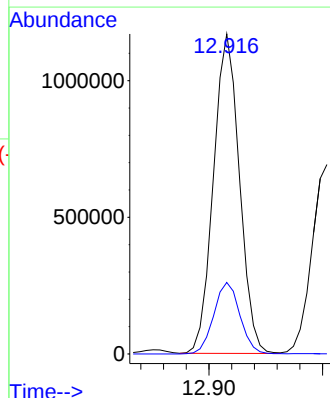
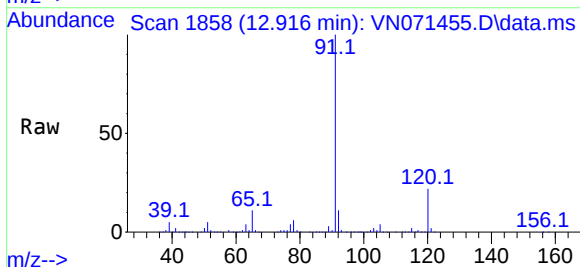
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

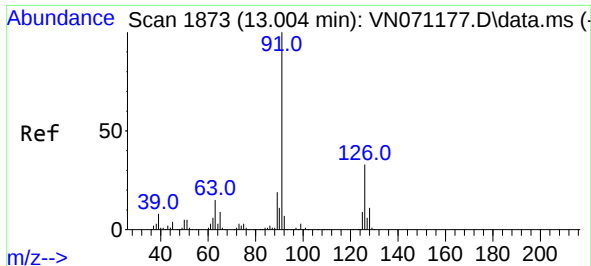
Tgt Ion:156 Resp: 386949  
Ion Ratio Lower Upper  
156 100  
77 224.1 90.6 271.8  
158 98.6 48.9 146.7



#78  
n-propylbenzene  
Concen: 48.315 ug/l  
RT: 12.916 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 91 Resp: 1854768  
Ion Ratio Lower Upper  
91 100  
120 22.5 11.9 35.9

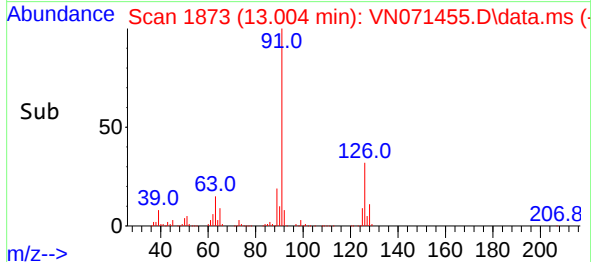
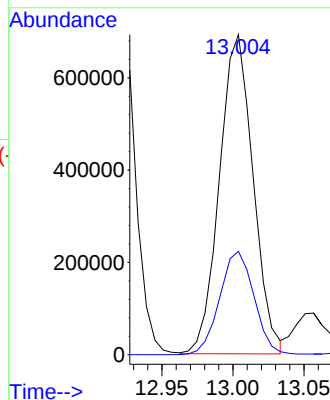
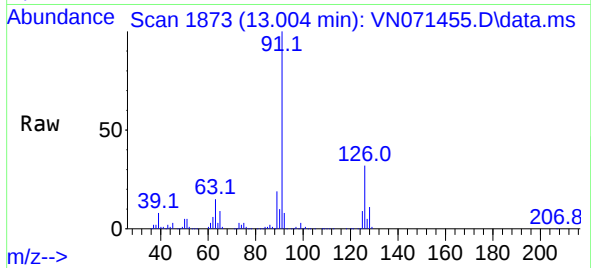




#79  
2-Chlorotoluene  
Concen: 46.338 ug/l  
RT: 13.004 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

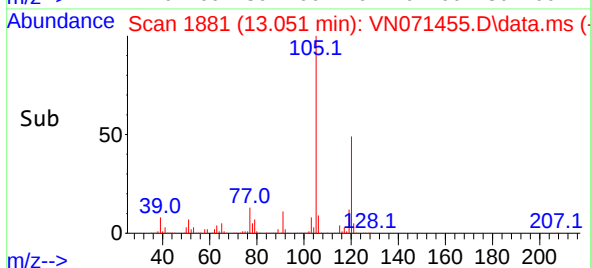
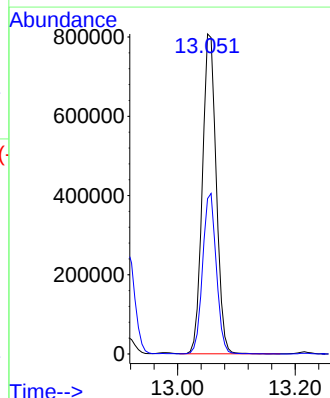
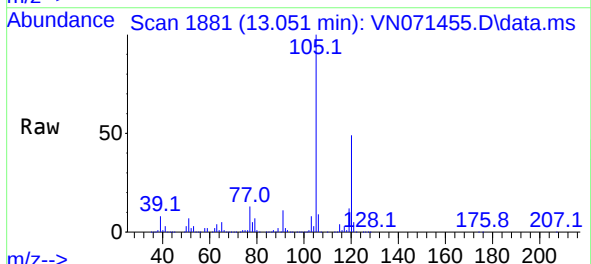
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

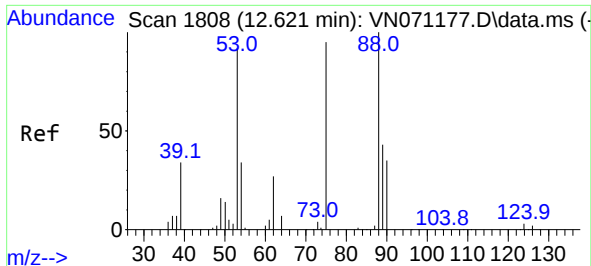
Tgt Ion: 91 Resp: 1141888  
Ion Ratio Lower Upper  
91 100  
126 33.1 18.3 54.8



#80  
1,3,5-Trimethylbenzene  
Concen: 47.373 ug/l  
RT: 13.051 min Scan# 1881  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion:105 Resp: 1318532  
Ion Ratio Lower Upper  
105 100  
120 49.7 24.6 73.6

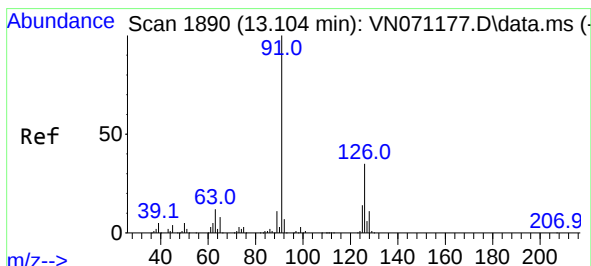
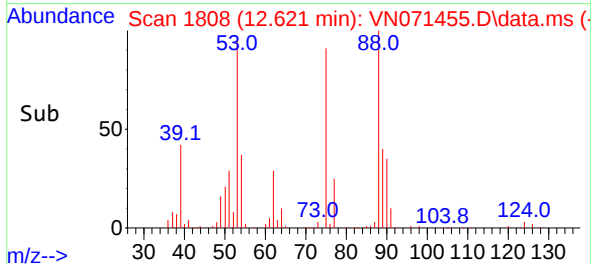
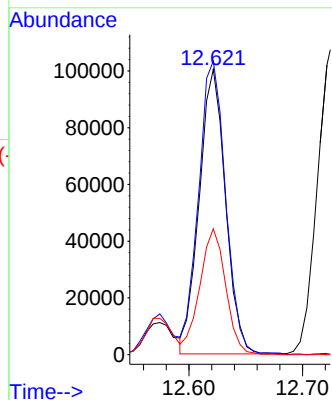
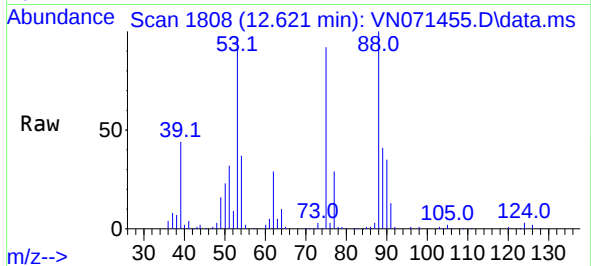




#81  
trans-1,4-Dichloro-2-butene  
Concen: 46.876 ug/l  
RT: 12.621 min Scan# 1808  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

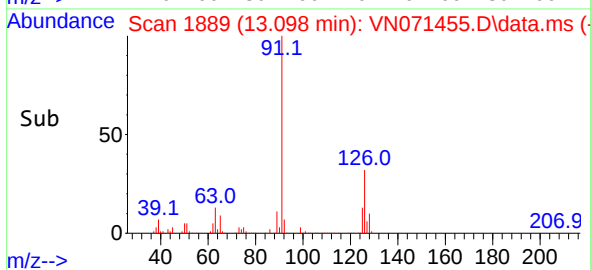
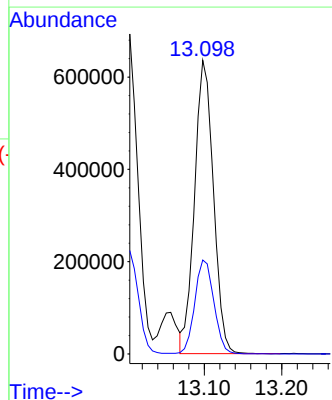
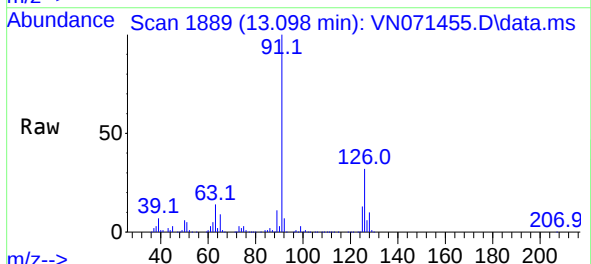
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

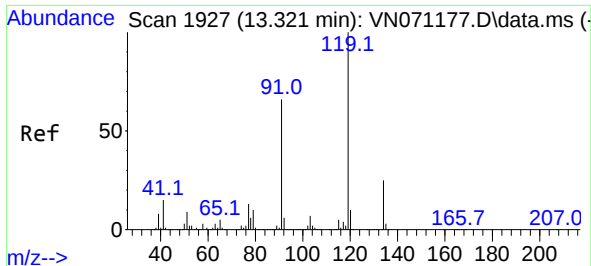
Tgt Ion: 75 Resp: 160927  
Ion Ratio Lower Upper  
75 100  
53 106.2 90.5 135.7  
89 43.9 38.2 57.4



#82  
4-Chlorotoluene  
Concen: 48.861 ug/l  
RT: 13.098 min Scan# 1889  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 91 Resp: 1072506  
Ion Ratio Lower Upper  
91 100  
126 32.6 18.2 54.6

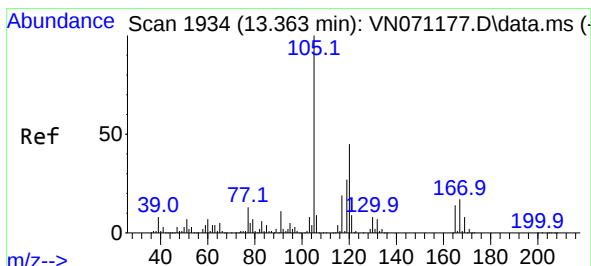
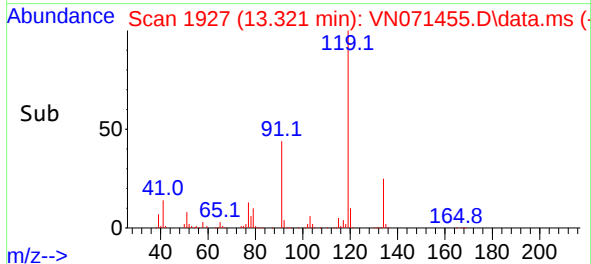
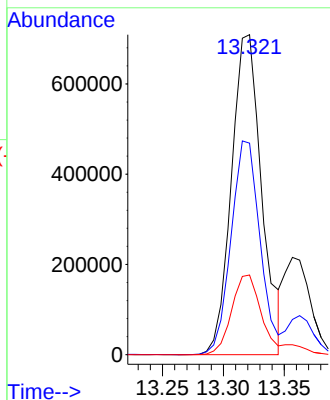
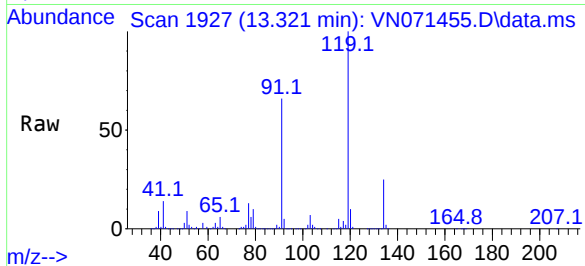




#83  
tert-Butylbenzene  
Concen: 49.395 ug/l  
RT: 13.321 min Scan# 1927  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

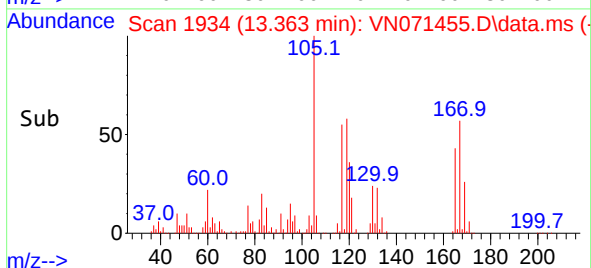
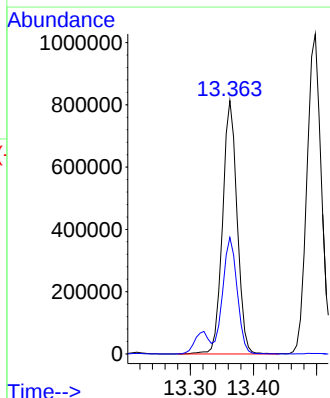
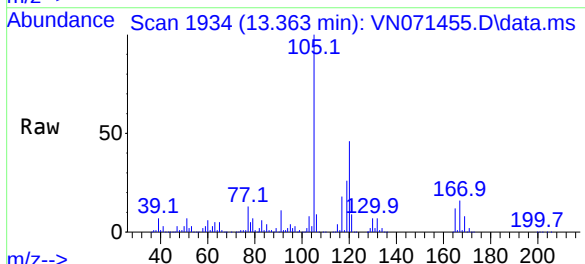
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

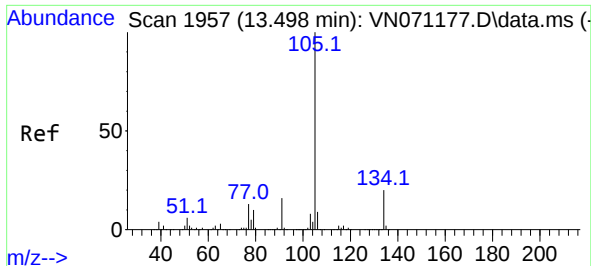
Tgt Ion:119 Resp: 1226916  
Ion Ratio Lower Upper  
119 100  
91 63.9 31.5 94.5  
134 26.5 12.4 37.4



#84  
1,2,4-Trimethylbenzene  
Concen: 48.898 ug/l  
RT: 13.363 min Scan# 1934  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion:105 Resp: 1303599  
Ion Ratio Lower Upper  
105 100  
120 45.7 22.8 68.4

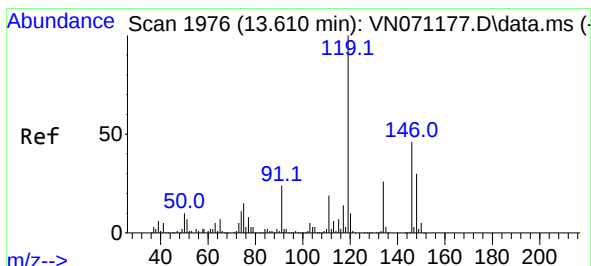
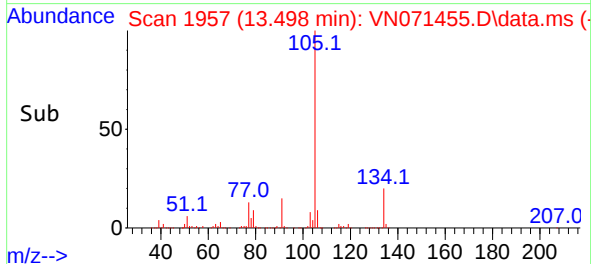
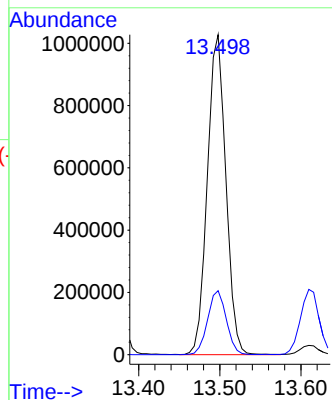
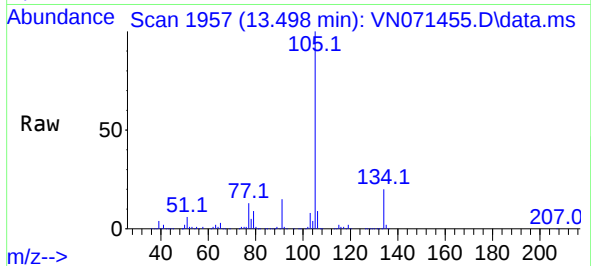




#85  
 sec-Butylbenzene  
 Concen: 49.280 ug/l  
 RT: 13.498 min Scan# 1957  
 Delta R.T. 0.000 min  
 Lab File: VN071455.D  
 Acq: 22 Mar 2022 06:57

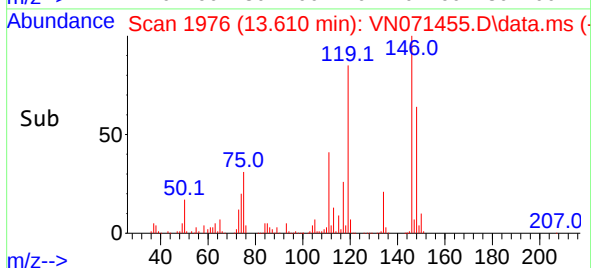
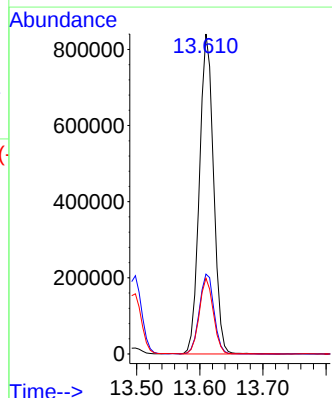
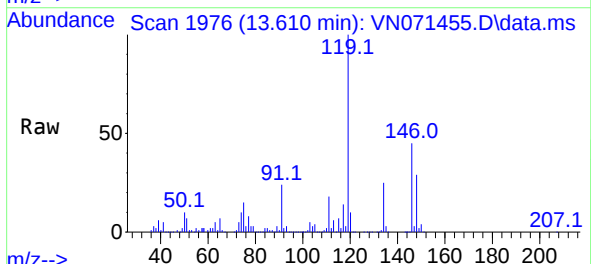
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

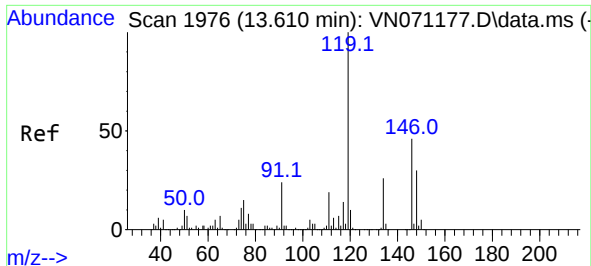
Tgt Ion:105 Resp: 1626951  
 Ion Ratio Lower Upper  
 105 100  
 134 20.2 10.4 31.1



#86  
 p-Isopropyltoluene  
 Concen: 50.240 ug/l  
 RT: 13.610 min Scan# 1976  
 Delta R.T. 0.000 min  
 Lab File: VN071455.D  
 Acq: 22 Mar 2022 06:57

Tgt Ion:119 Resp: 1304436  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 13.6 40.7  
 91 23.3 11.4 34.1

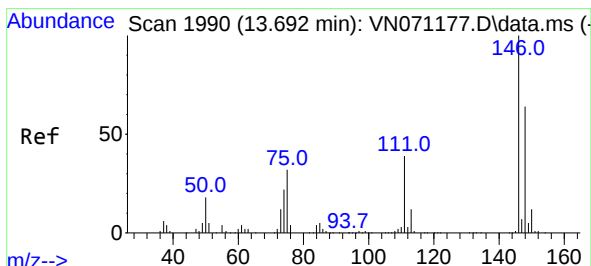
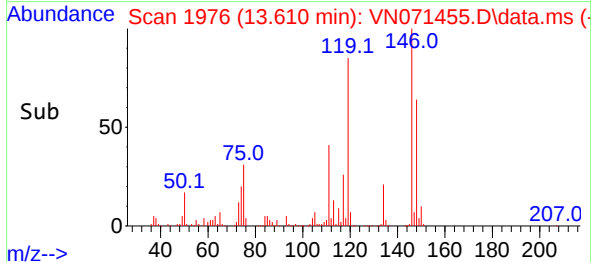
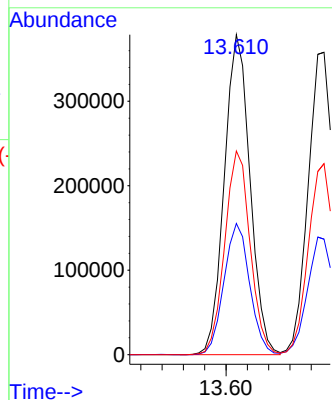
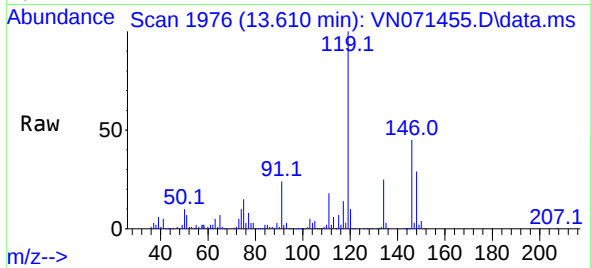




#87  
1,3-Dichlorobenzene  
Concen: 46.782 ug/l  
RT: 13.610 min Scan# 1976  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

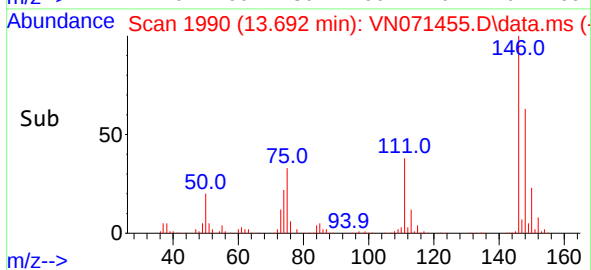
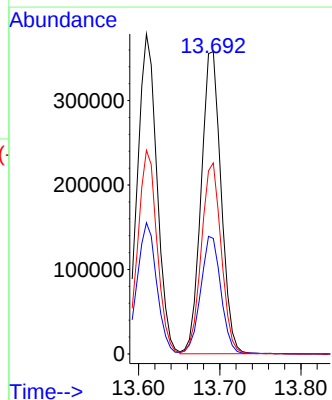
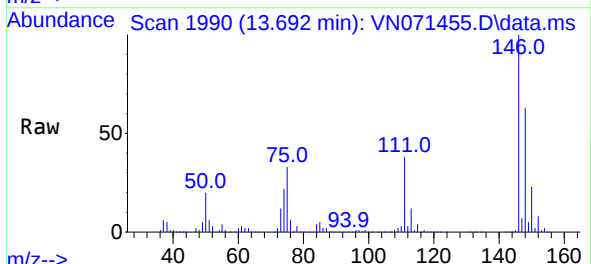
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

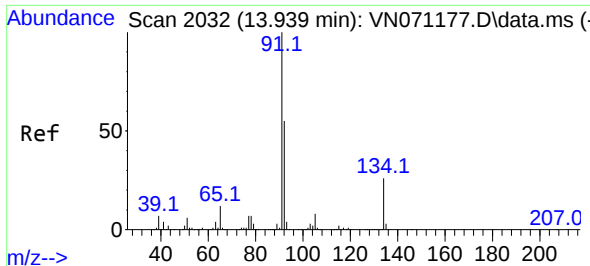
Tgt Ion:146 Resp: 634114  
Ion Ratio Lower Upper  
146 100  
111 41.1 18.6 55.6  
148 63.0 31.6 95.0



#88  
1,4-Dichlorobenzene  
Concen: 46.074 ug/l  
RT: 13.692 min Scan# 1990  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion:146 Resp: 610470  
Ion Ratio Lower Upper  
146 100  
111 39.7 18.3 54.8  
148 63.3 31.8 95.4

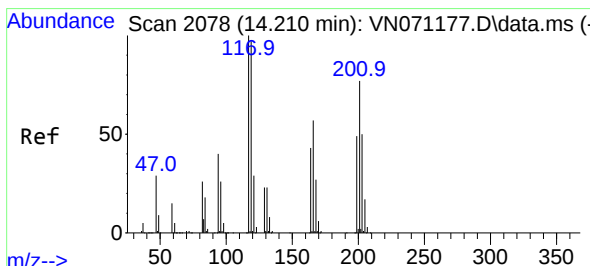
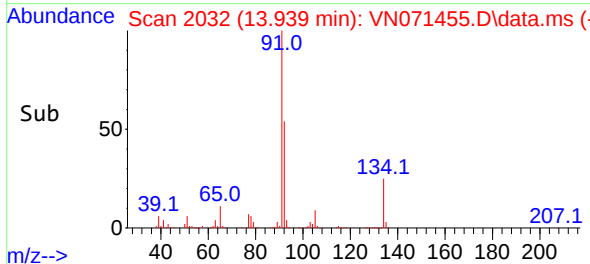
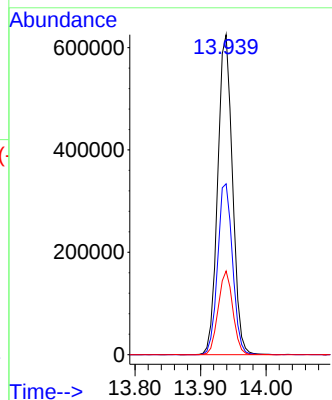
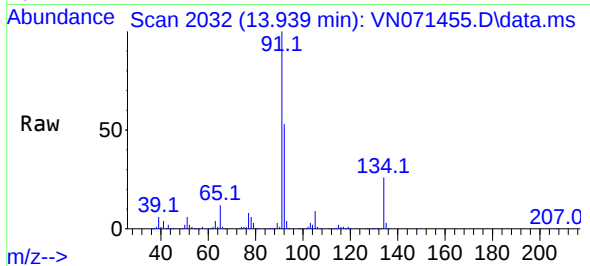




#89  
n-Butylbenzene  
Concen: 47.988 ug/l  
RT: 13.939 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

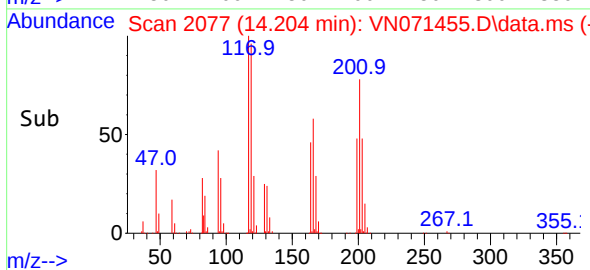
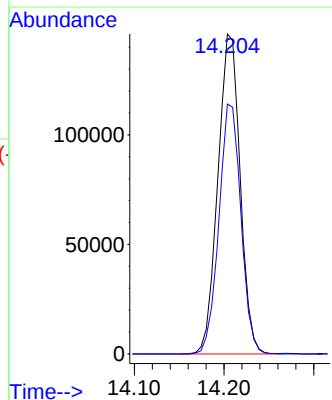
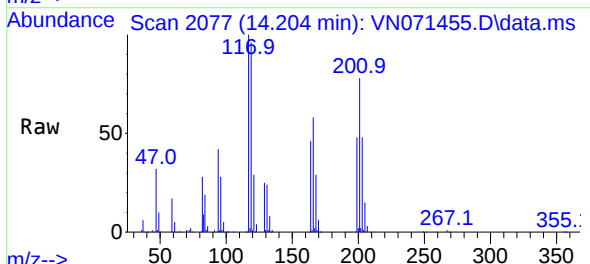
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

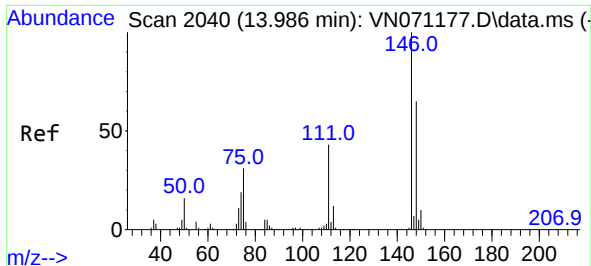
Tgt Ion: 91 Resp: 974529  
Ion Ratio Lower Upper  
91 100  
92 54.1 25.4 76.0  
134 25.9 13.6 40.8



#90  
Hexachloroethane  
Concen: 48.689 ug/l  
RT: 14.204 min Scan# 2077  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion: 117 Resp: 251395  
Ion Ratio Lower Upper  
117 100  
201 77.3 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 47.679 ug/l

RT: 13.980 min Scan# 2040

Delta R.T. -0.006 min

Lab File: VN071455.D

Acq: 22 Mar 2022 06:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

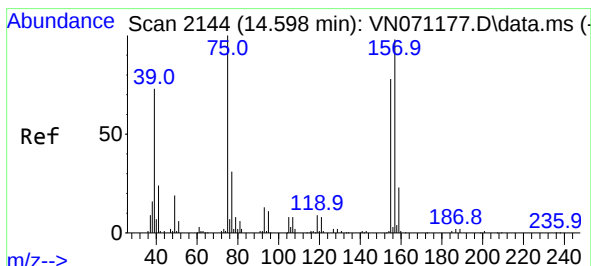
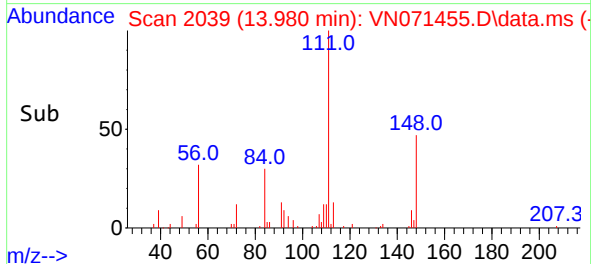
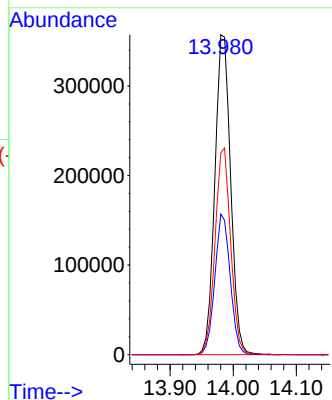
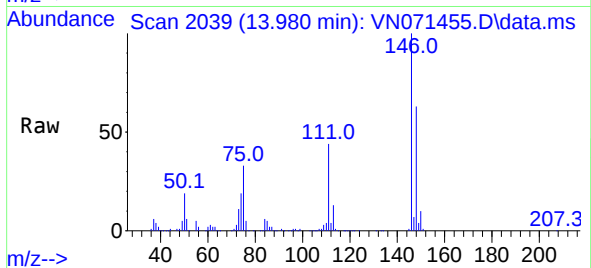
Tgt Ion:146 Resp: 621323

Ion Ratio Lower Upper

146 100

111 42.8 19.1 57.3

148 63.8 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.803 ug/l

RT: 14.598 min Scan# 2144

Delta R.T. 0.000 min

Lab File: VN071455.D

Acq: 22 Mar 2022 06:57

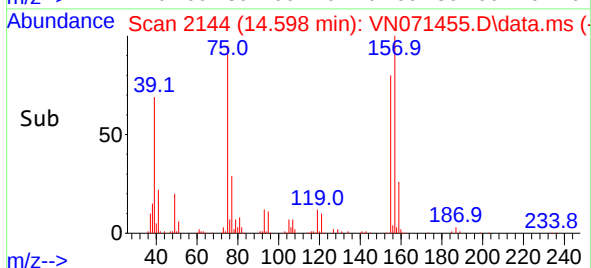
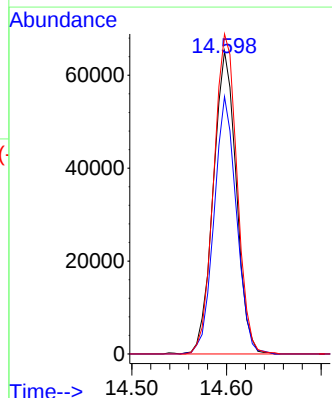
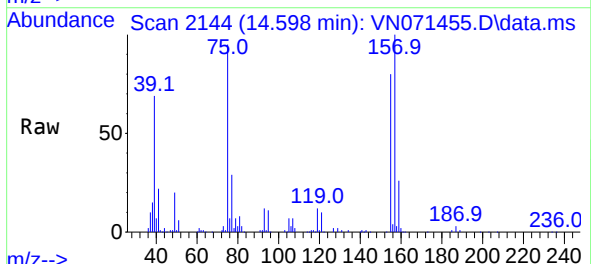
Tgt Ion: 75 Resp: 109909

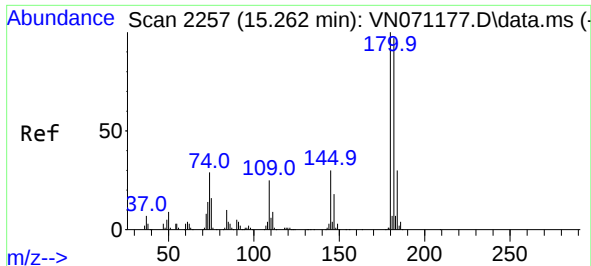
Ion Ratio Lower Upper

75 100

155 83.0 46.9 140.7

157 107.1 60.6 181.7

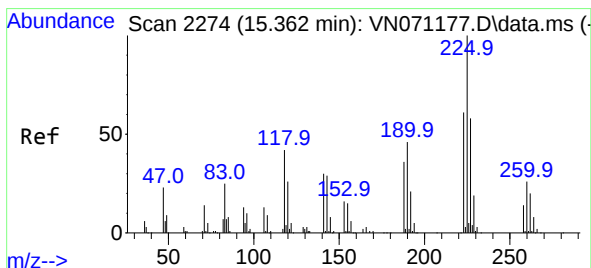
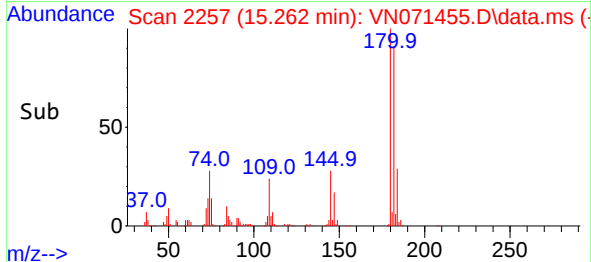
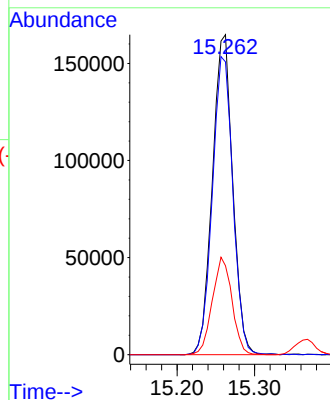
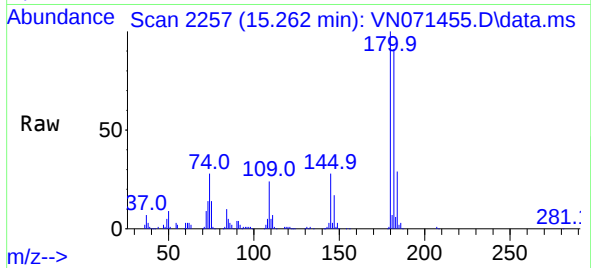




#93  
1,2,4-Trichlorobenzene  
Concen: 49.282 ug/l  
RT: 15.262 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

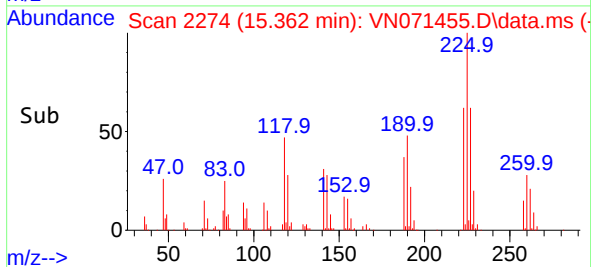
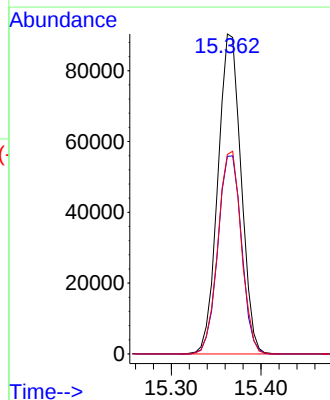
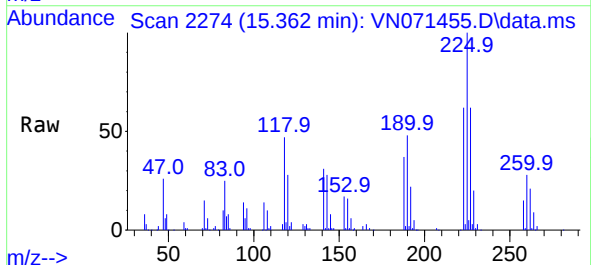
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

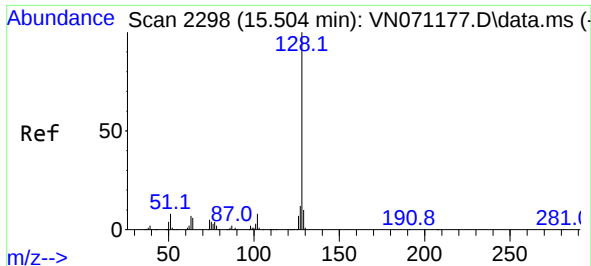
Tgt Ion:180 Resp: 299453  
Ion Ratio Lower Upper  
180 100  
182 94.2 48.3 144.9  
145 29.6 14.5 43.5



#94  
Hexachlorobutadiene  
Concen: 44.315 ug/l  
RT: 15.362 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion:225 Resp: 162117  
Ion Ratio Lower Upper  
225 100  
223 62.9 31.9 95.7  
227 63.6 32.1 96.3

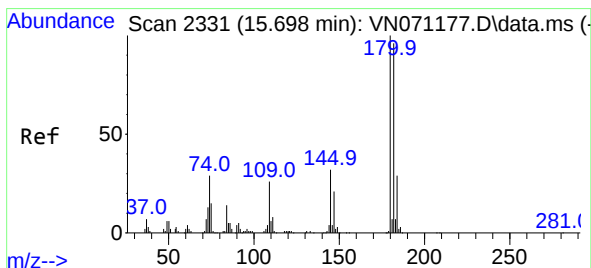
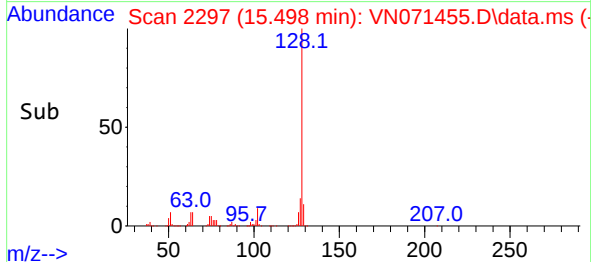
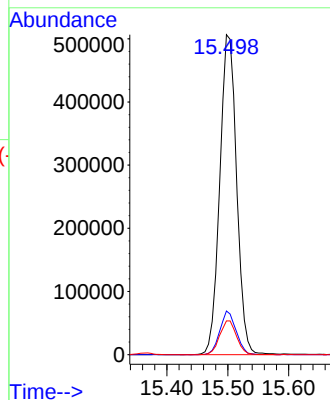
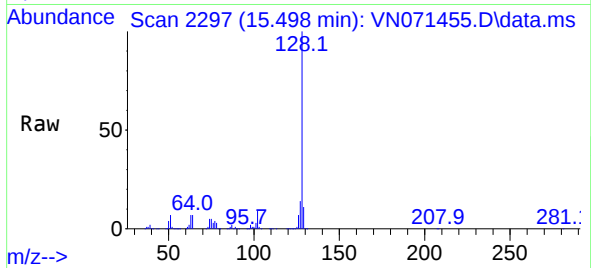




#95  
Naphthalene  
Concen: 56.536 ug/l  
RT: 15.498 min Scan# 2298  
Delta R.T. -0.006 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 974364  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.5 15.7  
129 10.6 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 51.922 ug/l  
RT: 15.698 min Scan# 2331  
Delta R.T. -0.000 min  
Lab File: VN071455.D  
Acq: 22 Mar 2022 06:57

Tgt Ion:180 Resp: 303165  
Ion Ratio Lower Upper  
180 100  
182 96.4 47.4 142.2  
145 32.2 15.0 45.1

