

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030824\  
 Data File : VN081350.D  
 Acq On : 08 Mar 2024 16:53  
 Operator : JC\MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Mar 09 00:59:25 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030524W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 06 03:12:57 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 307878   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 553025   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 512225   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 235608   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 221840   | 49.834   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 99.660%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 176317   | 52.039   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.080% |
| 50) Toluene-d8              | 10.571 | 98    | 653003   | 51.556   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 103.120% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 234907   | 52.474   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =    | 104.940% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 210811  | 51.654  | ug/l   | 99  |
| 3) Chloromethane             | 2.359 | 50  | 200509  | 45.482  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.512 | 62  | 222062  | 48.286  | ug/l   | 93  |
| 5) Bromomethane              | 2.948 | 94  | 132903  | 43.269  | ug/l   | 89  |
| 6) Chloroethane              | 3.112 | 64  | 150353  | 47.599  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.495 | 101 | 335841  | 49.363  | ug/l   | 93  |
| 8) Diethyl Ether             | 3.959 | 74  | 118117  | 49.278  | ug/l   | 87  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 181731  | 46.907  | ug/l   | 92  |
| 10) Methyl Iodide            | 4.589 | 142 | 191250  | 53.943  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.524 | 59  | 178797  | 229.700 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 4.336 | 96  | 169849  | 47.339  | ug/l   | 95  |
| 13) Acrolein                 | 4.177 | 56  | 181094  | 196.476 | ug/l   | 100 |
| 14) Allyl chloride           | 5.024 | 41  | 257257  | 48.314  | ug/l # | 89  |
| 15) Acrylonitrile            | 5.718 | 53  | 514089  | 252.810 | ug/l   | 99  |
| 16) Acetone                  | 4.430 | 43  | 382443  | 242.480 | ug/l   | 100 |
| 17) Carbon Disulfide         | 4.712 | 76  | 459803  | 44.901  | ug/l   | 96  |
| 18) Methyl Acetate           | 5.024 | 43  | 249896  | 55.340  | ug/l   | 93  |
| 19) Methyl tert-butyl Ether  | 5.800 | 73  | 606346  | 49.828  | ug/l   | 97  |
| 20) Methylene Chloride       | 5.277 | 84  | 203757  | 52.326  | ug/l   | 91  |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 185876  | 45.950  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.671 | 45  | 617284  | 52.194  | ug/l # | 96  |
| 23) Vinyl Acetate            | 6.600 | 43  | 2433973 | 253.331 | ug/l # | 95  |
| 24) 1,1-Dichloroethane       | 6.571 | 63  | 361497  | 49.933  | ug/l # | 93  |
| 25) 2-Butanone               | 7.483 | 43  | 659903  | 249.836 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 7.494 | 77  | 312133  | 48.782  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 7.489 | 96  | 222489  | 48.513  | ug/l   | 89  |
| 28) Bromochloromethane       | 7.812 | 49  | 148669  | 47.993  | ug/l # | 67  |
| 29) Tetrahydrofuran          | 7.836 | 42  | 440038  | 244.312 | ug/l # | 87  |
| 30) Chloroform               | 7.965 | 83  | 379902  | 50.567  | ug/l   | 99  |
| 31) Cyclohexane              | 8.259 | 56  | 300131  | 44.532  | ug/l # | 84  |
| 32) 1,1,1-Trichloroethane    | 8.171 | 97  | 339383  | 51.106  | ug/l   | 92  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 276271  | 50.542  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.565 | 43  | 259427  | 48.551  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 287092  | 52.185  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.600 | 83  | 317102  | 50.407  | ug/l   | 90  |
| 40) Benzene                  | 8.612 | 78  | 821756  | 50.365  | ug/l   | 96  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030824\  
 Data File : VN081350.D  
 Acq On : 08 Mar 2024 16:53  
 Operator : JC\MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Mar 09 00:59:25 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030524W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 06 03:12:57 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 149583   | 49.571  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 298044   | 51.809  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 453645   | 48.505  | ug/l # | 97       |
| 44) Trichloroethene           | 9.353  | 130  | 212278   | 51.586  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 209301   | 51.065  | ug/l   | 99       |
| 46) Dibromomethane            | 9.712  | 93   | 144977   | 50.182  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.888  | 83   | 297065   | 52.967  | ug/l # | 98       |
| 48) Methyl methacrylate       | 9.683  | 41   | 215960   | 52.240  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 90077    | 988.574 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 1420599  | 261.596 | ug/l   | 96       |
| 52) Toluene                   | 10.630 | 92   | 516889   | 52.443  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 322041   | 53.069  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 344170   | 52.538  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 203444   | 52.052  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 313117   | 55.791  | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 353444   | 51.814  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 801389   | 265.454 | ug/l # | 89       |
| 59) 2-Hexanone                | 11.200 | 43   | 1073248  | 264.361 | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.359 | 129  | 216159   | 53.701  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 207099   | 51.068  | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.106 | 164  | 201997   | 50.365  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.894 | 112  | 543678   | 50.369  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 201071   | 50.907  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.965 | 91   | 1004285  | 51.652  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.071 | 106  | 752161   | 102.791 | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 371832   | 52.432  | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 619104   | 55.089  | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 143885   | 52.472  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.700 | 105  | 986090   | 51.830  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 409716   | 51.325  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 283388   | 48.266  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 393447   | 70.700  | ug/l   | 62       |
| 77) Bromobenzene              | 12.982 | 156  | 214057   | 47.454  | ug/l   | 82       |
| 78) n-propylbenzene           | 13.041 | 91   | 1177550  | 52.329  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 688232   | 50.036  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 828002   | 52.649  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 98003    | 49.148  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 693252   | 51.027  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 718485   | 53.288  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 830360   | 52.113  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 1027599  | 52.682  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 844089   | 53.961  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 414670   | 48.684  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 405489   | 47.629  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 753381   | 52.518  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.335 | 117  | 142625   | 52.078  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 390160   | 47.743  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 58410    | 46.488  | ug/l   | 80       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 216308   | 49.519  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 81916    | 45.383  | ug/l   | 96       |
| 95) Naphthalene               | 15.641 | 128  | 789269   | 50.778  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 220157   | 49.698  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030824\  
Data File : VN081350.D  
Acq On : 08 Mar 2024 16:53  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 18 Sample Multiplier: 1

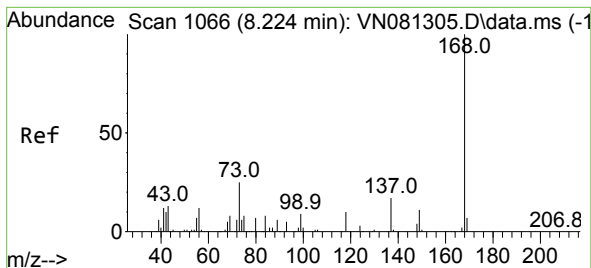
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Mar 09 00:59:25 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030524W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 06 03:12:57 2024  
Response via : Initial Calibration

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

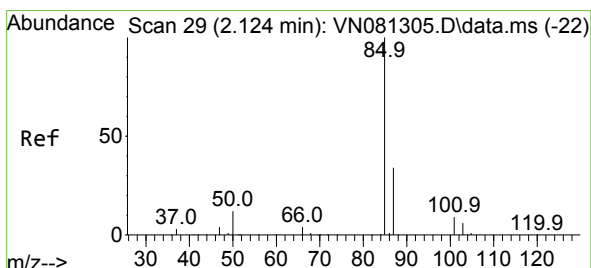
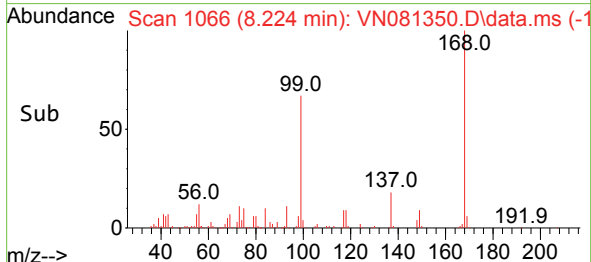
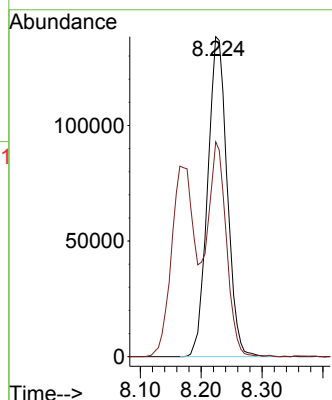
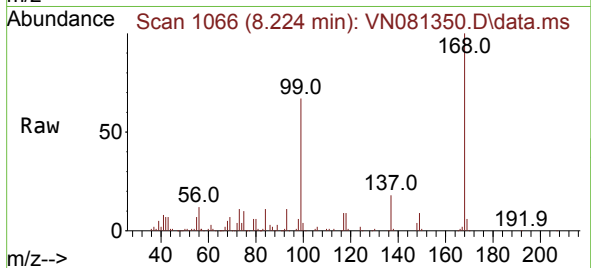
VSTDCCC050EC

Tgt Ion:168 Resp: 307878

Ion Ratio Lower Upper

168 100

99 67.2 59.9 89.9



#2

Dichlorodifluoromethane

Concen: 51.654 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.000 min

Lab File: VN081350.D

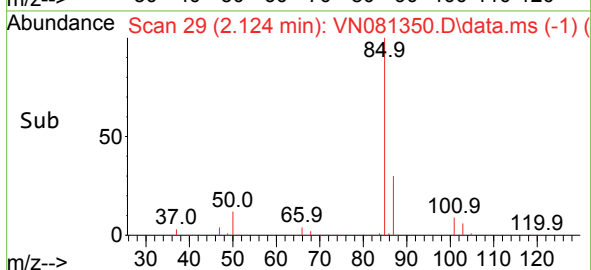
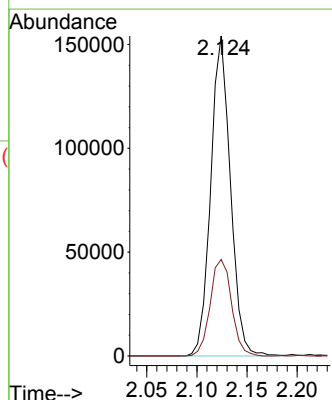
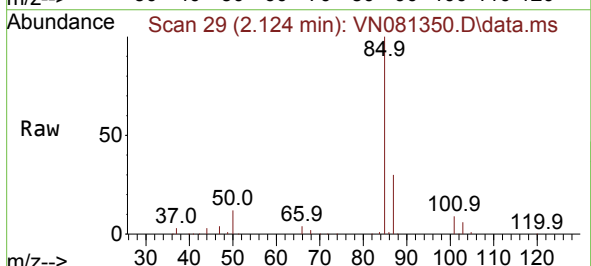
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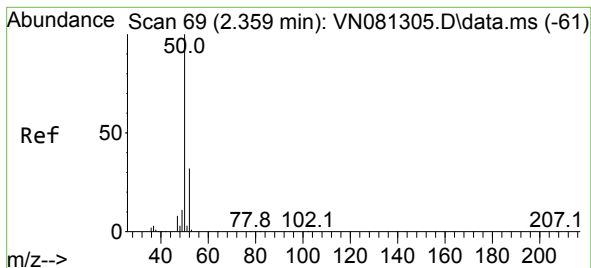
Tgt Ion: 85 Resp: 210811

Ion Ratio Lower Upper

85 100

87 30.1 15.3 45.9





#3

Chloromethane

Concen: 45.482 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

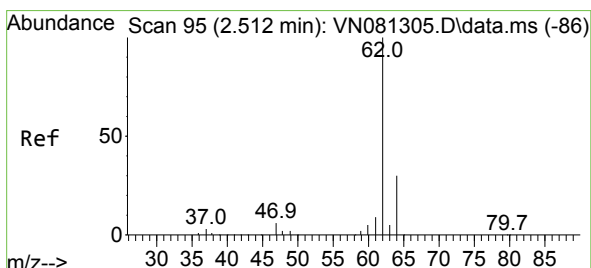
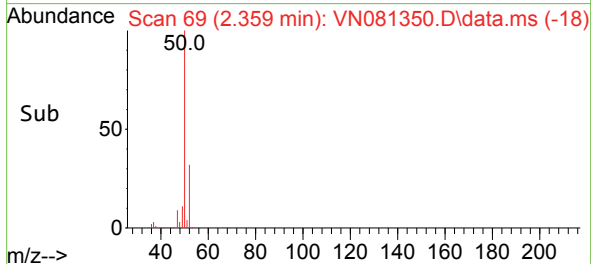
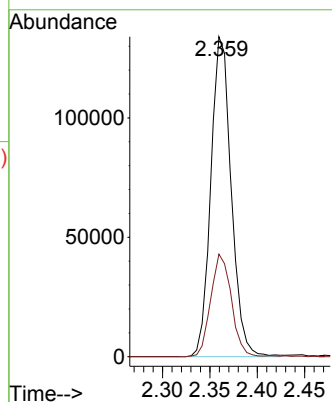
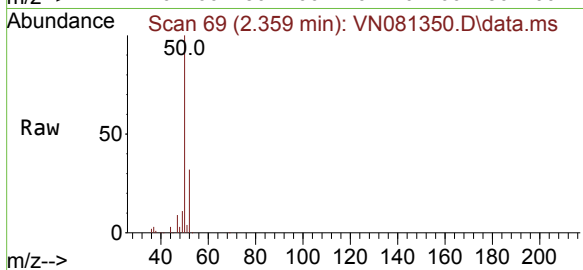
VSTDCCC050EC

Tgt Ion: 50 Resp: 200509

Ion Ratio Lower Upper

50 100

52 32.1 25.0 37.4



#4

Vinyl Chloride

Concen: 48.286 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN081350.D

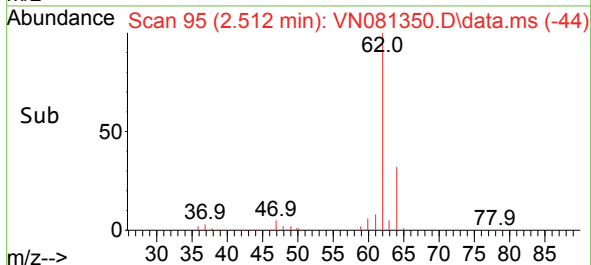
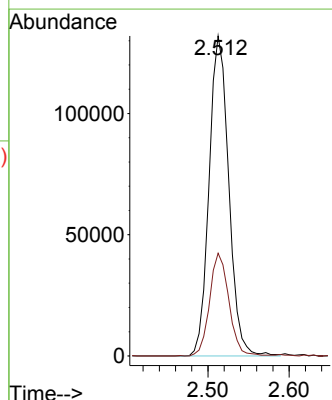
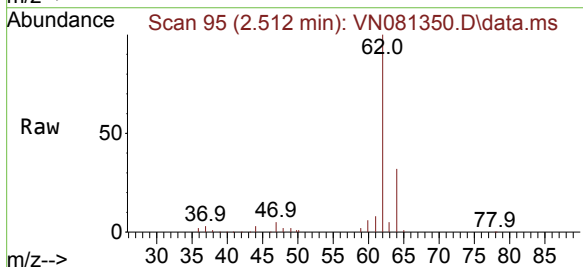
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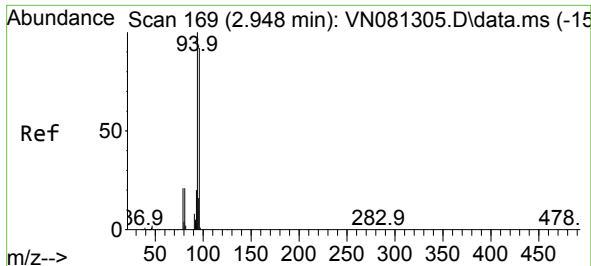
Tgt Ion: 62 Resp: 222062

Ion Ratio Lower Upper

62 100

64 32.0 22.7 34.1

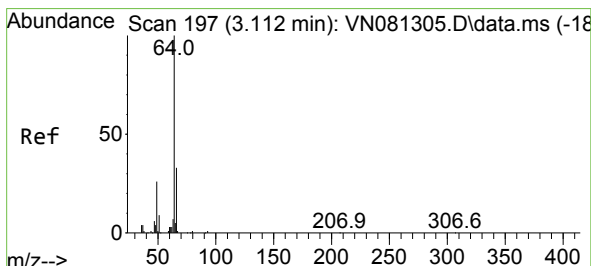
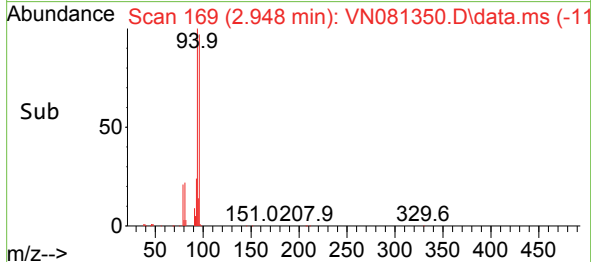
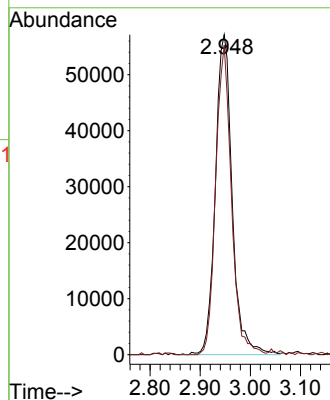
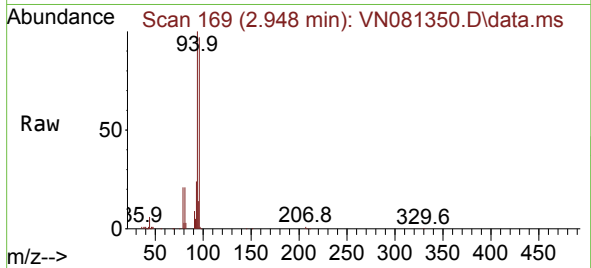




#5  
Bromomethane  
Concen: 43.269 ug/l  
RT: 2.948 min Scan# 169  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

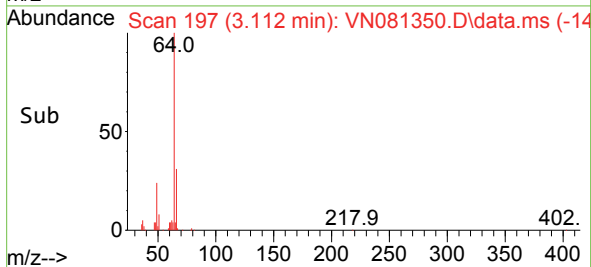
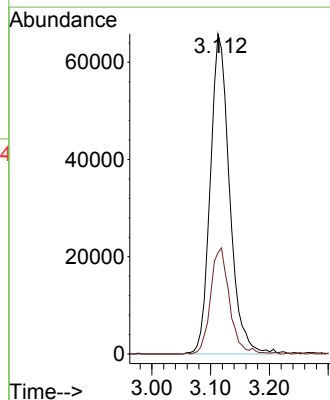
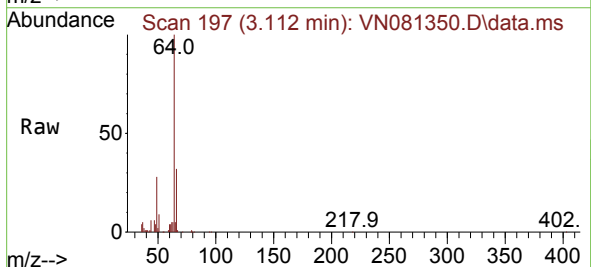
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

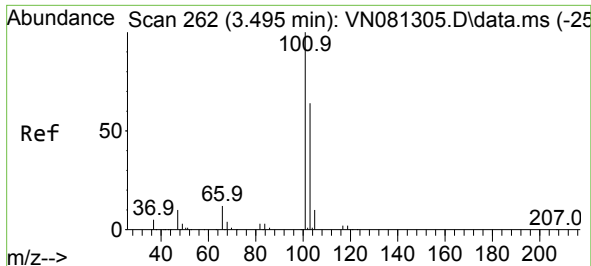
Tgt Ion: 94 Resp: 132903  
Ion Ratio Lower Upper  
94 100  
96 96.7 69.2 103.8



#6  
Chloroethane  
Concen: 47.599 ug/l  
RT: 3.112 min Scan# 197  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 64 Resp: 150353  
Ion Ratio Lower Upper  
64 100  
66 31.7 26.4 39.6

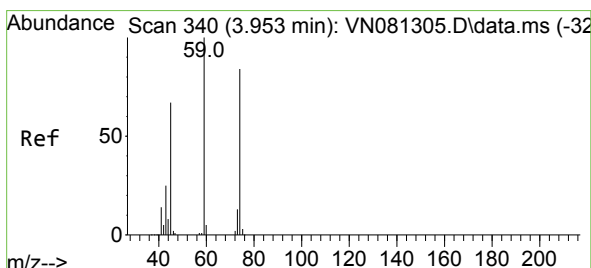
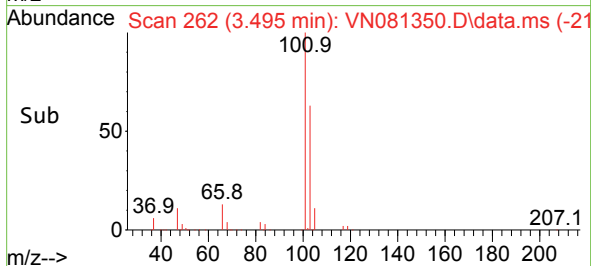
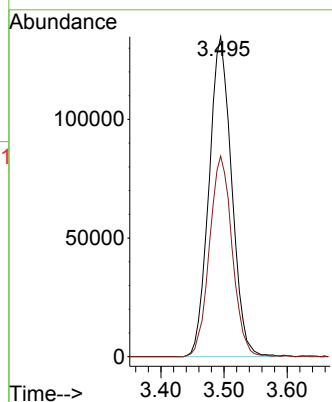
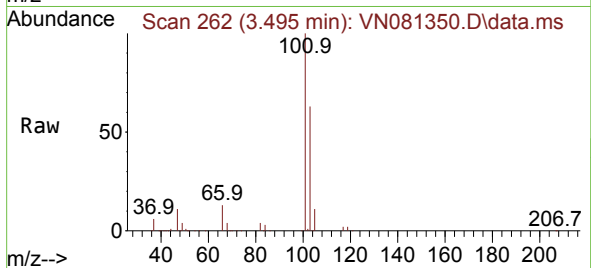




#7  
Trichlorofluoromethane  
Concen: 49.363 ug/l  
RT: 3.495 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

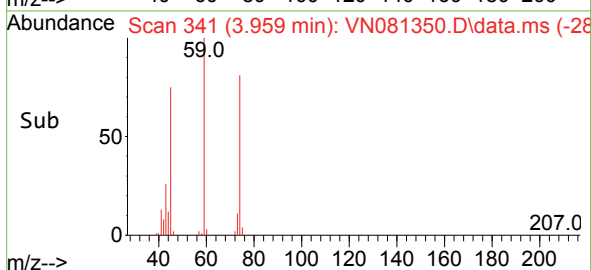
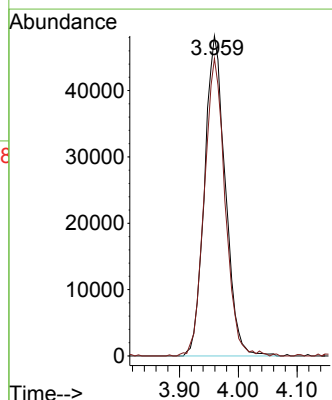
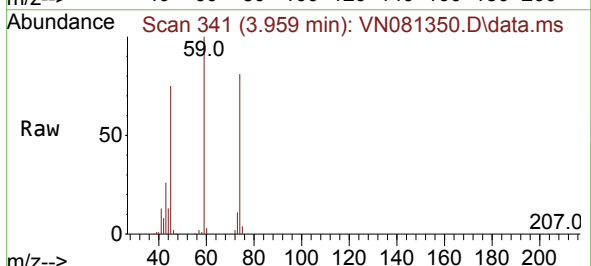
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

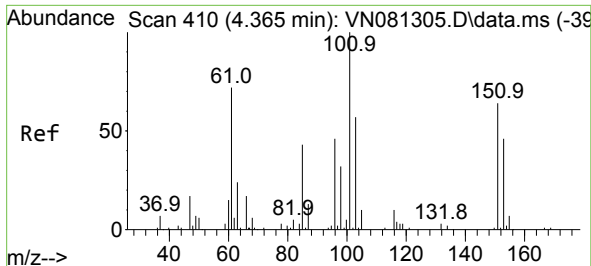
Tgt Ion:101 Resp: 335841  
Ion Ratio Lower Upper  
101 100  
103 62.7 54.4 81.6



#8  
Diethyl Ether  
Concen: 49.278 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 74 Resp: 118117  
Ion Ratio Lower Upper  
74 100  
45 93.2 53.3 159.9

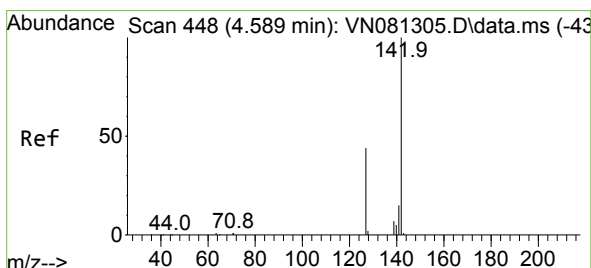
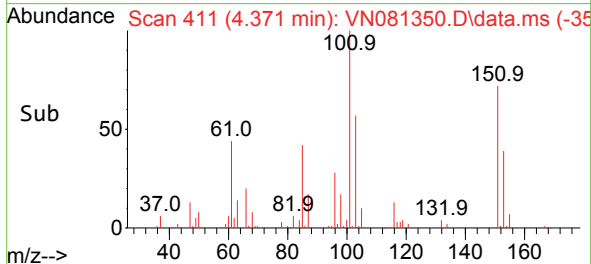
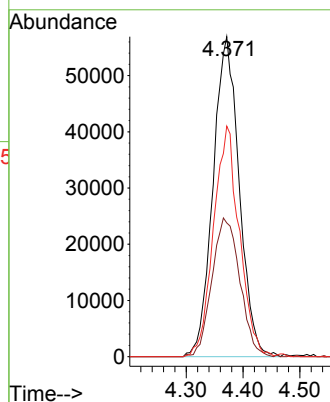
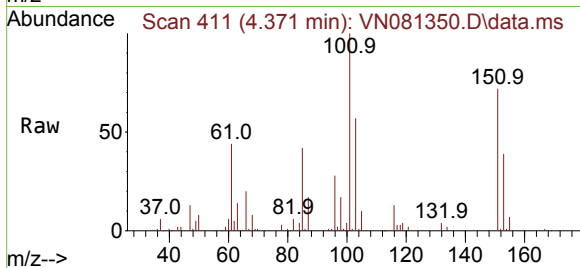




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 46.907 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

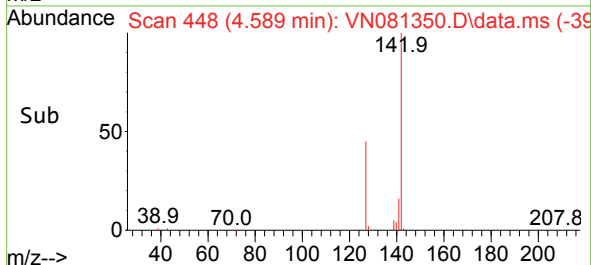
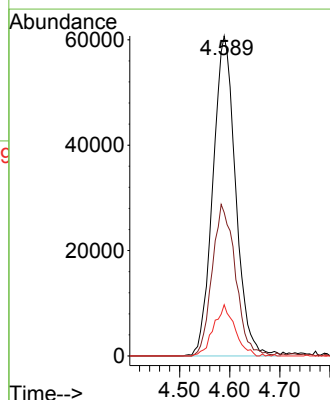
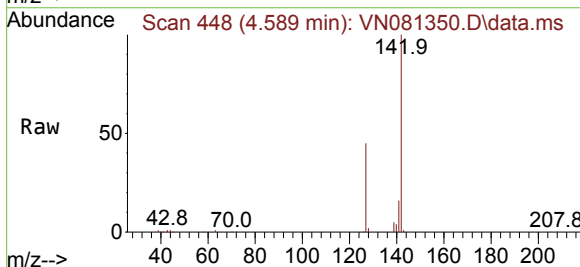
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

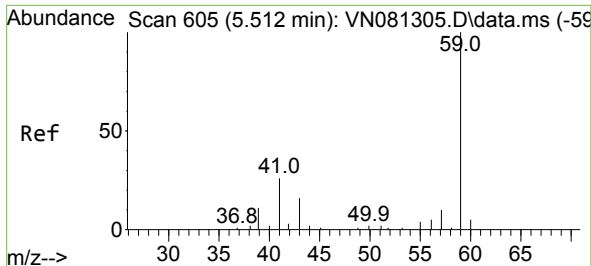
Tgt Ion:101 Resp: 181731  
Ion Ratio Lower Upper  
101 100  
85 46.3 38.1 57.1  
151 71.1 49.1 73.7



#10  
Methyl Iodide  
Concen: 53.943 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion:142 Resp: 191250  
Ion Ratio Lower Upper  
142 100  
127 44.8 37.0 55.4  
141 16.0 12.5 18.7

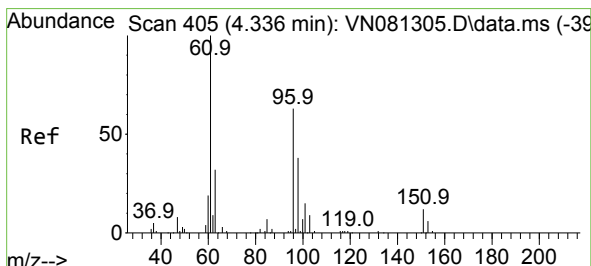
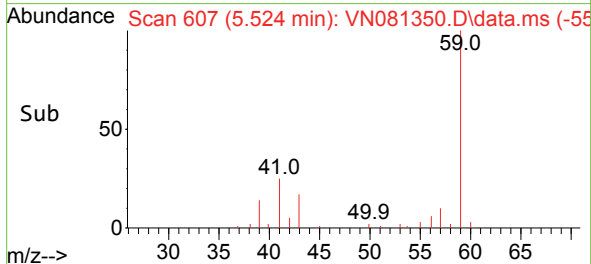
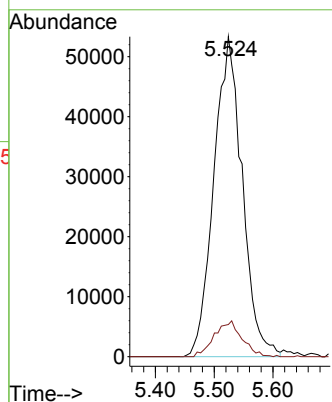
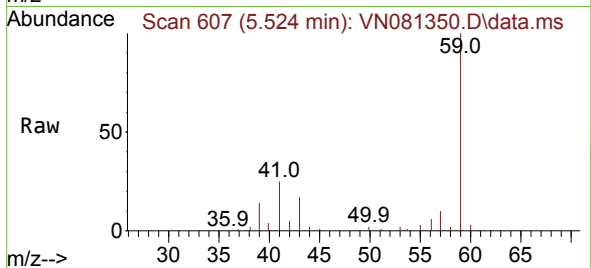




#11  
Tert butyl alcohol  
Concen: 229.700 ug/l  
RT: 5.524 min Scan# 605  
Delta R.T. 0.012 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

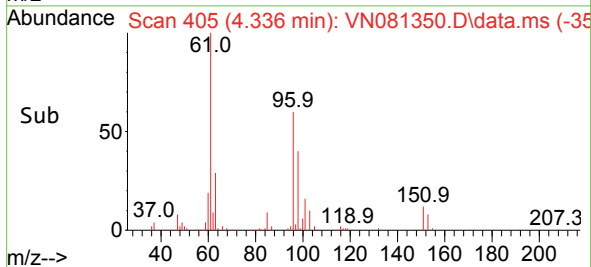
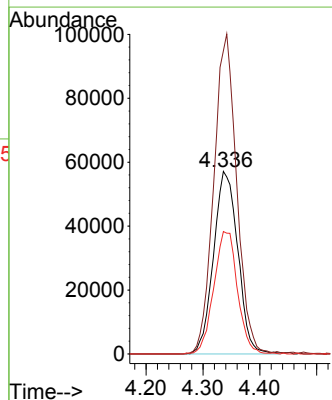
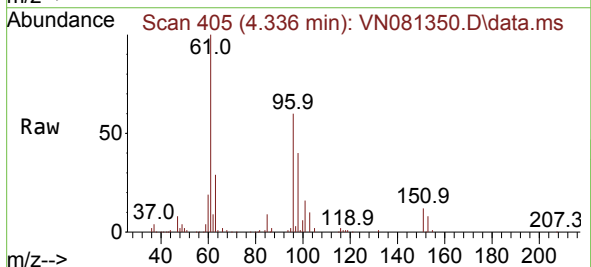
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

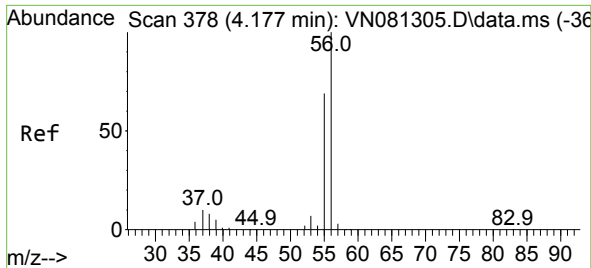
Tgt Ion: 59 Resp: 178797  
Ion Ratio Lower Upper  
59 100  
57 10.9 8.6 12.8



#12  
1,1-Dichloroethene  
Concen: 47.339 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 96 Resp: 169849  
Ion Ratio Lower Upper  
96 100  
61 166.1 138.2 207.4  
98 67.0 49.2 73.8

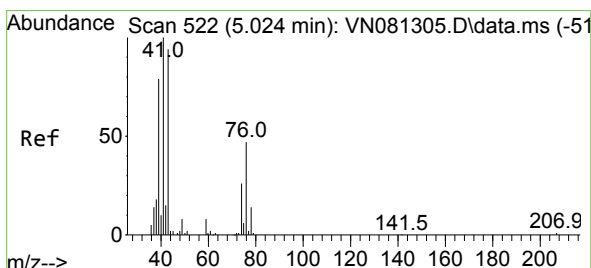
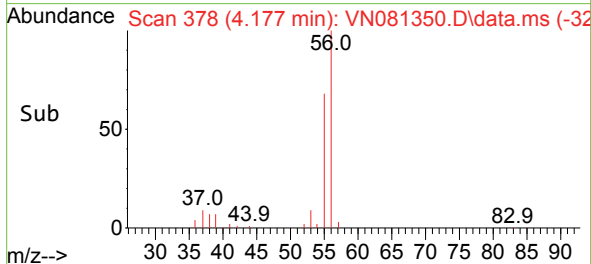
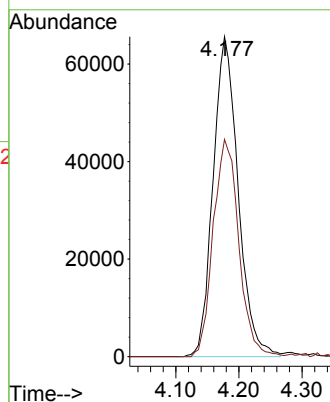
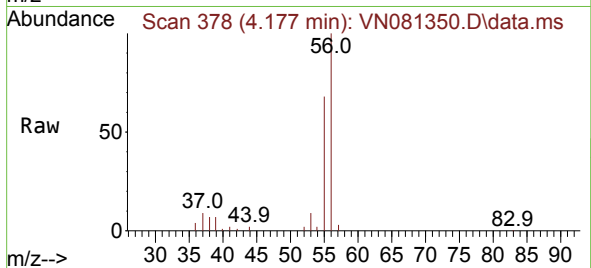




#13  
Acrolein  
Concen: 196.476 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

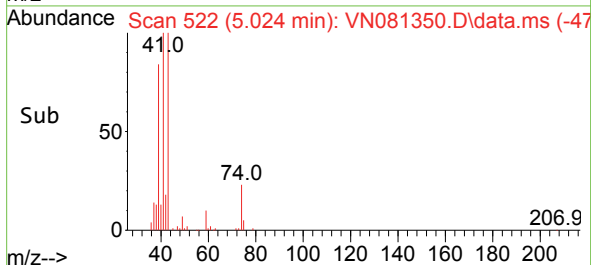
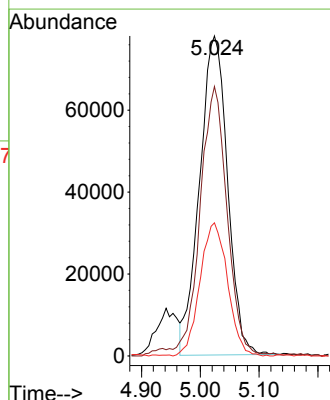
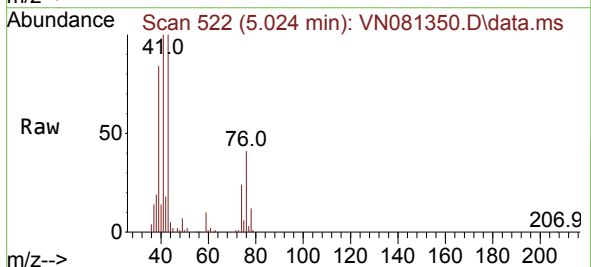
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

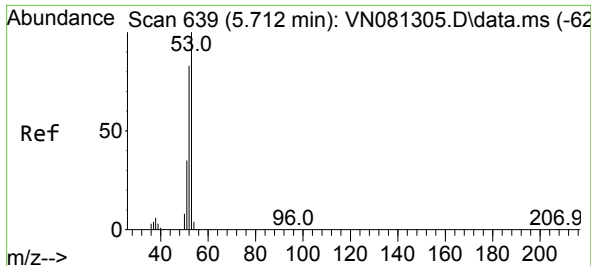
Tgt Ion: 56 Resp: 181094  
Ion Ratio Lower Upper  
56 100  
55 69.3 55.3 82.9



#14  
Allyl chloride  
Concen: 48.314 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 41 Resp: 257257  
Ion Ratio Lower Upper  
41 100  
39 80.8 57.7 86.5  
76 41.2 26.8 40.2#

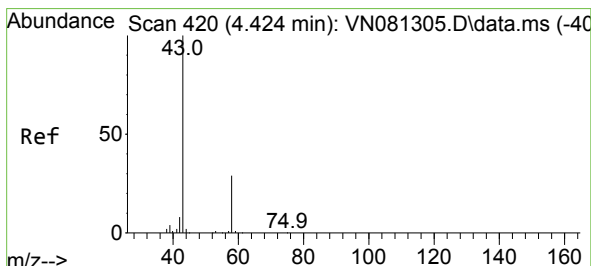
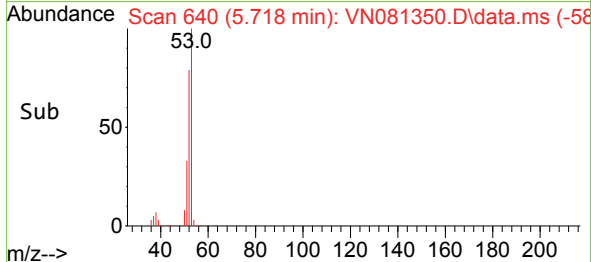
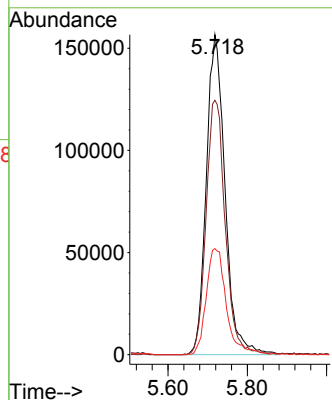
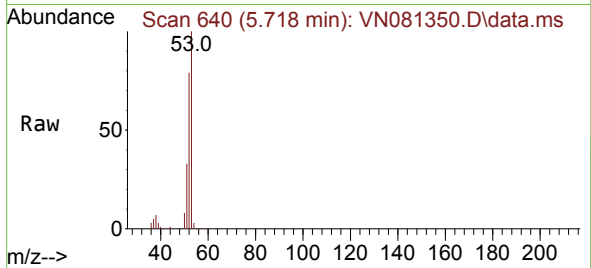




#15  
Acrylonitrile  
Concen: 252.810 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

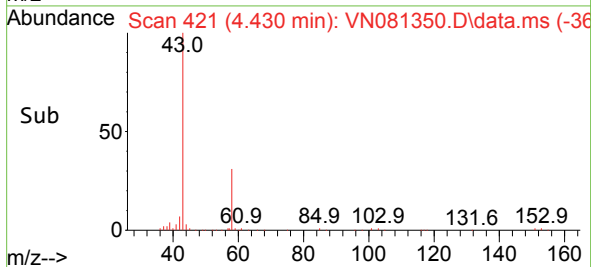
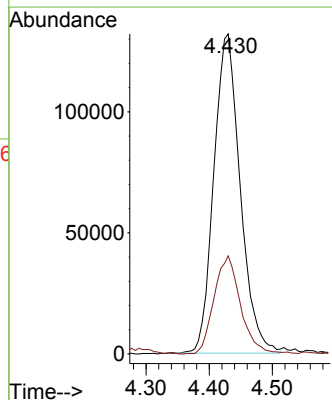
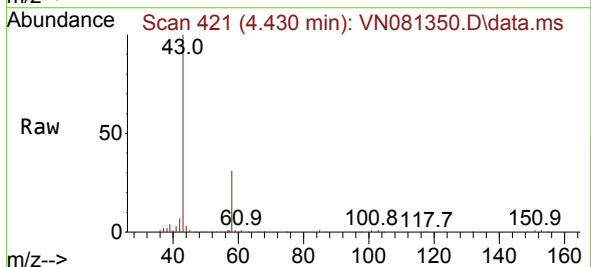
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

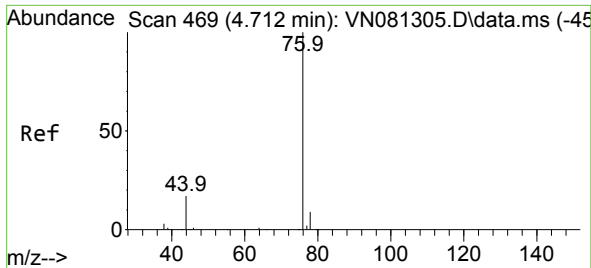
Tgt Ion: 53 Resp: 514089  
Ion Ratio Lower Upper  
53 100  
52 81.3 64.8 97.2  
51 35.6 26.9 40.3



#16  
Acetone  
Concen: 242.480 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 43 Resp: 382443  
Ion Ratio Lower Upper  
43 100  
58 30.7 24.8 37.2

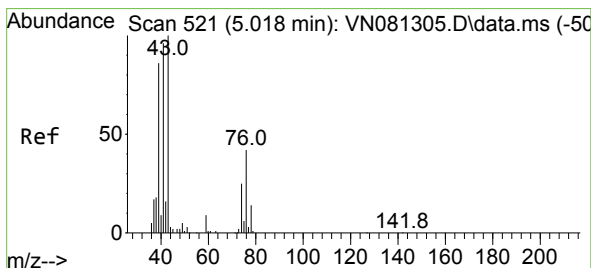
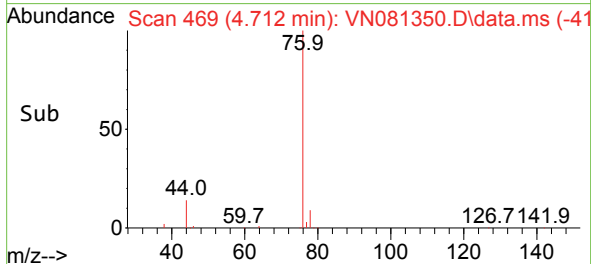
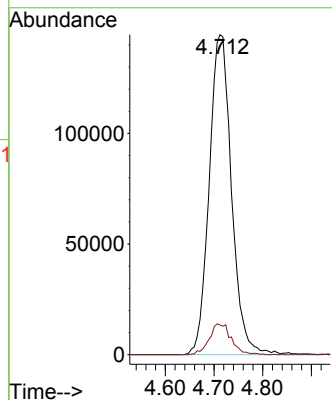
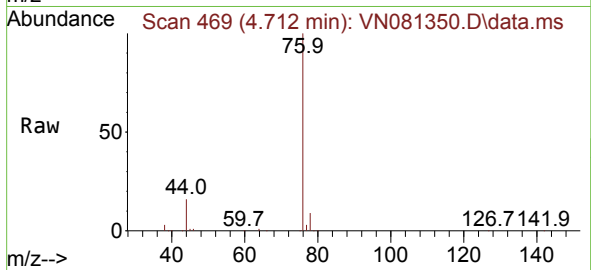




#17  
Carbon Disulfide  
Concen: 44.901 ug/l  
RT: 4.712 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

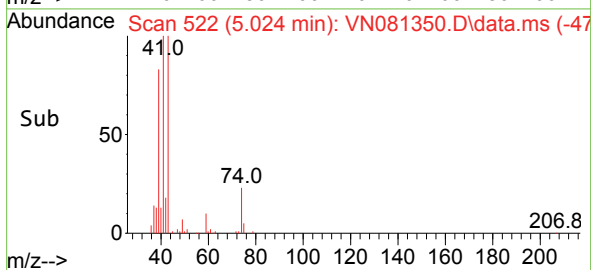
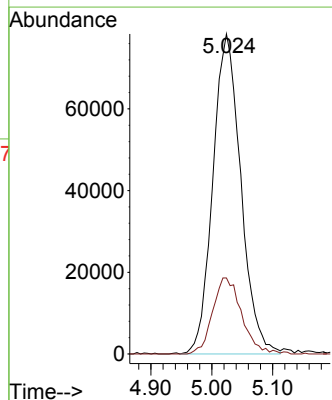
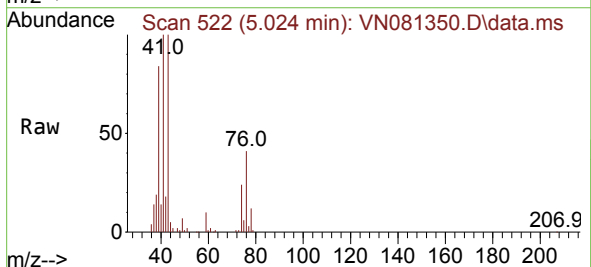
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

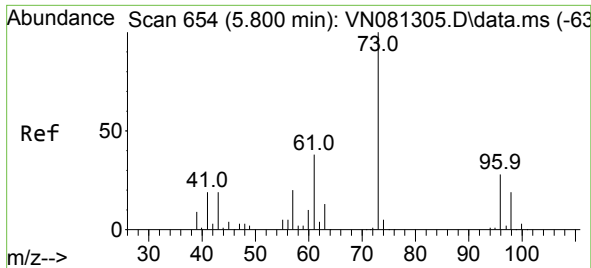
Tgt Ion: 76 Resp: 459803  
Ion Ratio Lower Upper  
76 100  
78 9.3 6.3 9.5



#18  
Methyl Acetate  
Concen: 55.340 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 43 Resp: 249896  
Ion Ratio Lower Upper  
43 100  
74 24.7 17.3 25.9

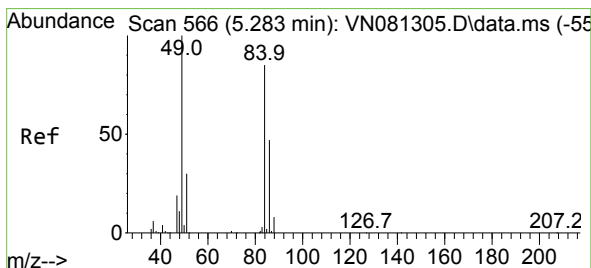
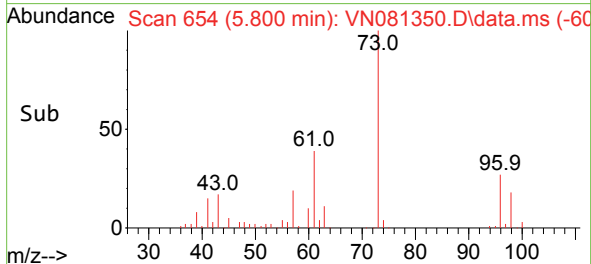
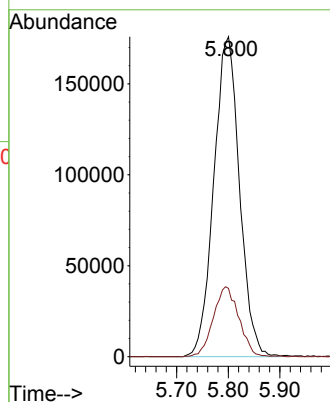
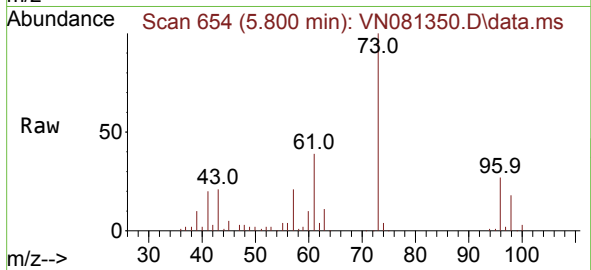




#19  
Methyl tert-butyl Ether  
Concen: 49.828 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

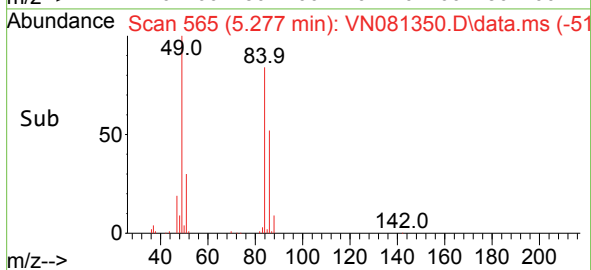
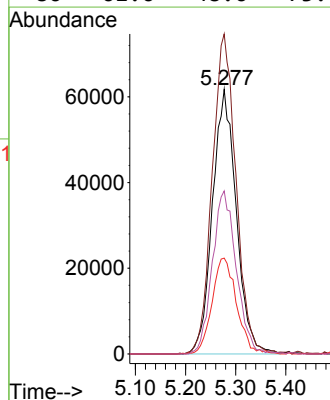
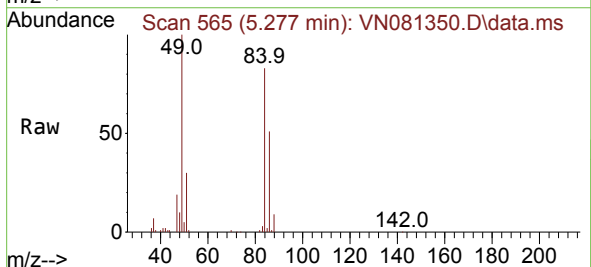
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

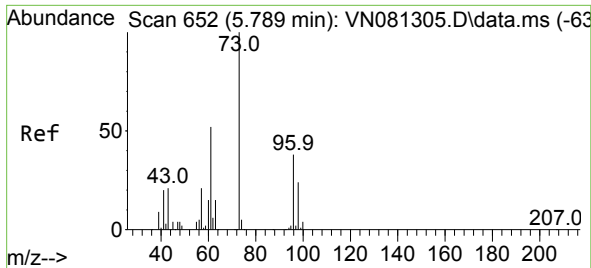
Tgt Ion: 73 Resp: 606346  
Ion Ratio Lower Upper  
73 100  
57 21.3 18.2 27.4



#20  
Methylene Chloride  
Concen: 52.326 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. -0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 84 Resp: 203757  
Ion Ratio Lower Upper  
84 100  
49 120.6 108.1 162.1  
51 36.2 32.9 49.3  
86 61.6 48.6 73.0

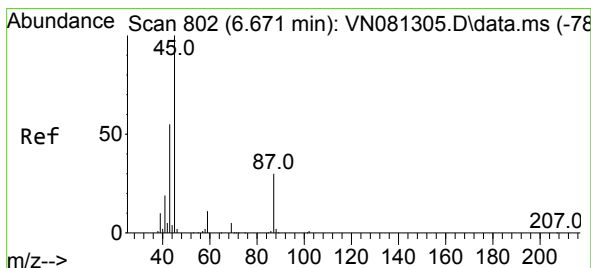
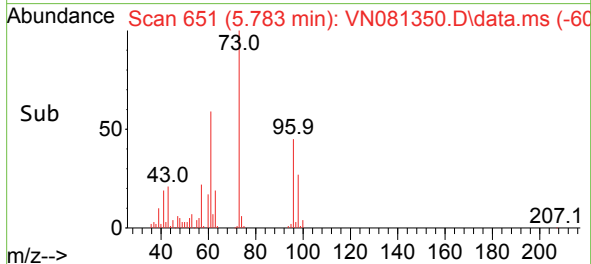
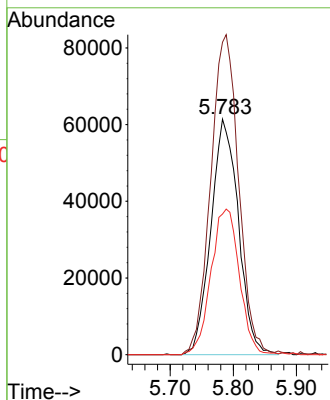
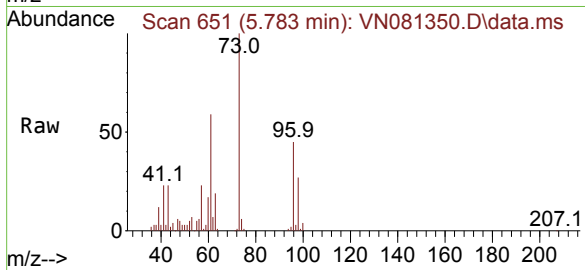




#21  
trans-1,2-Dichloroethene  
Concen: 45.950 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

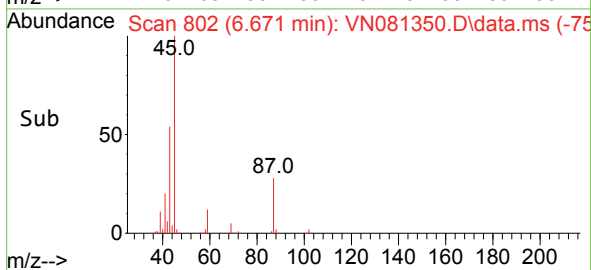
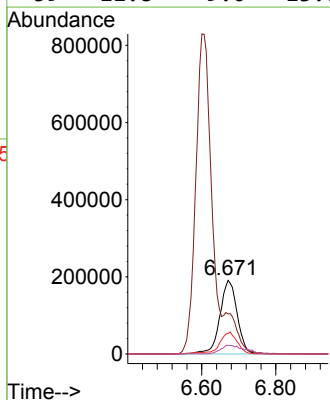
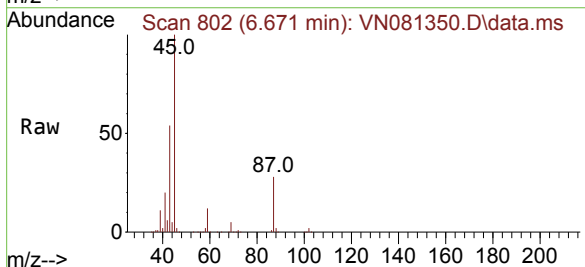
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

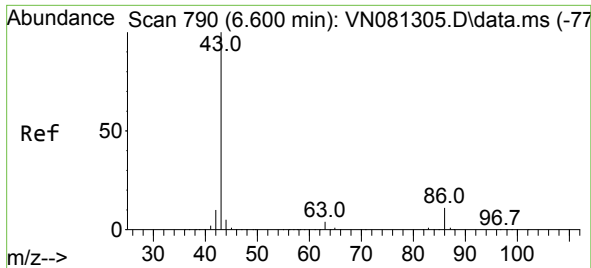
Tgt Ion: 96 Resp: 185876  
Ion Ratio Lower Upper  
96 100  
61 132.7 112.8 169.2  
98 59.7 51.0 76.4



#22  
Diisopropyl ether  
Concen: 52.194 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 45 Resp: 617284  
Ion Ratio Lower Upper  
45 100  
43 53.9 41.8 62.8  
87 27.8 18.1 27.1#  
59 11.8 9.0 13.6

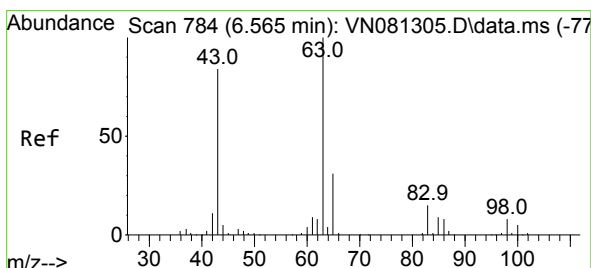
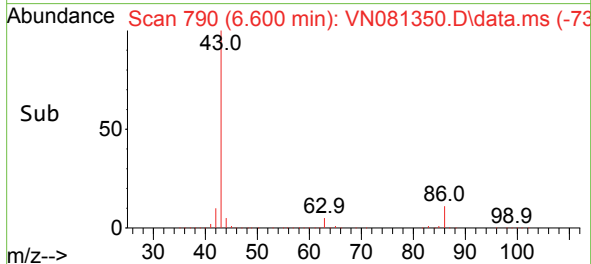
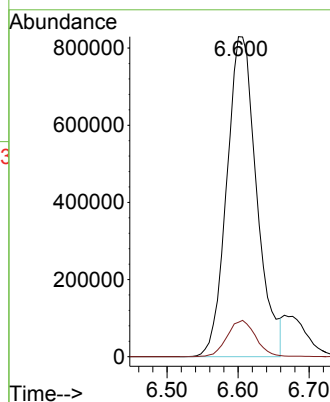
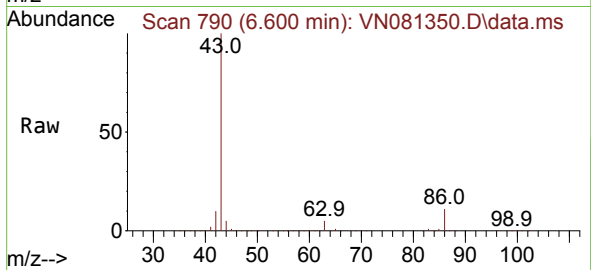




#23  
 Vinyl Acetate  
 Concen: 253.331 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.000 min  
 Lab File: VN081350.D  
 Acq: 08 Mar 2024 16:53

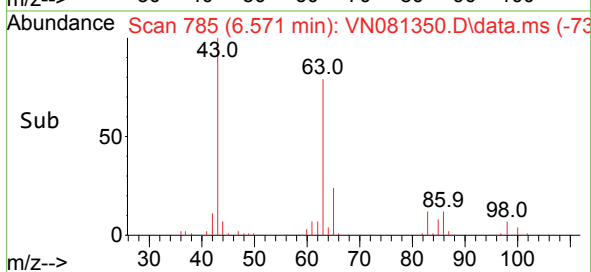
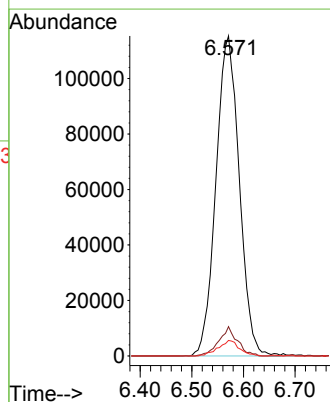
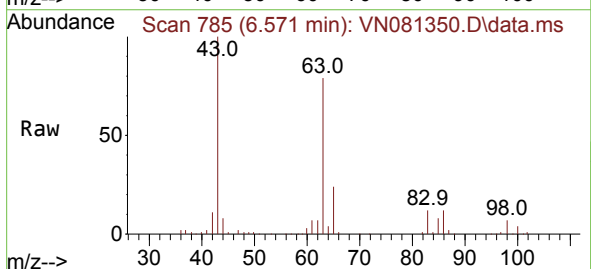
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

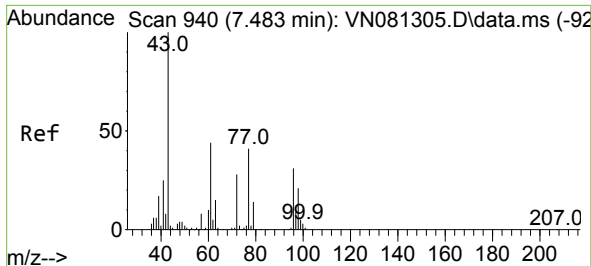
Tgt Ion: 43 Resp: 2433973  
 Ion Ratio Lower Upper  
 43 100  
 86 10.8 7.1 10.7#



#24  
 1,1-Dichloroethane  
 Concen: 49.933 ug/l  
 RT: 6.571 min Scan# 785  
 Delta R.T. 0.006 min  
 Lab File: VN081350.D  
 Acq: 08 Mar 2024 16:53

Tgt Ion: 63 Resp: 361497  
 Ion Ratio Lower Upper  
 63 100  
 98 9.2 2.9 8.6#  
 100 4.8 1.9 5.7

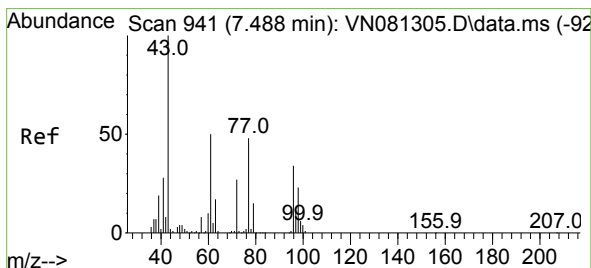
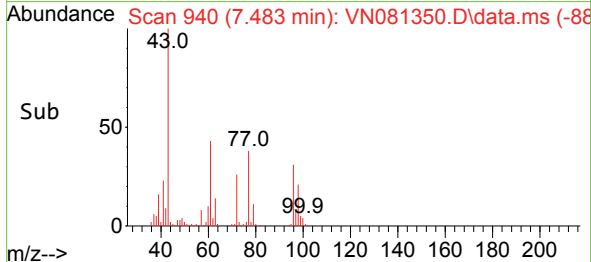
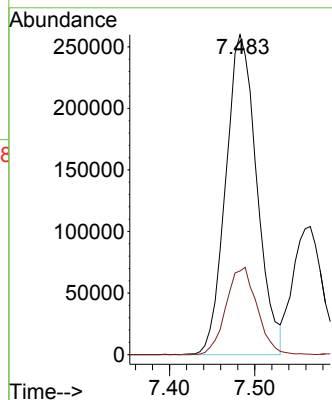
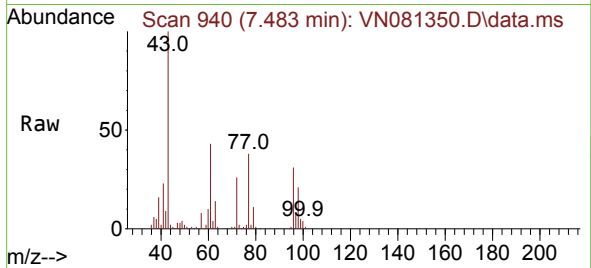




#25  
2-Butanone  
Concen: 249.836 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

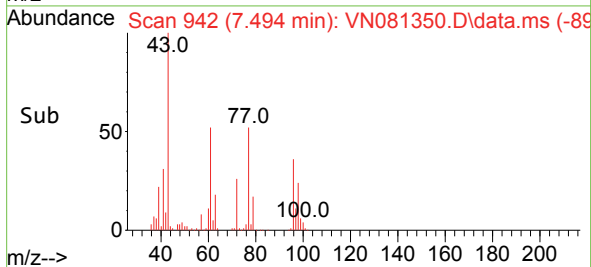
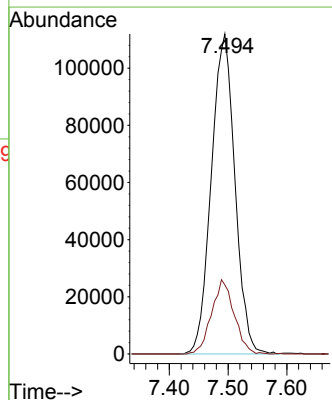
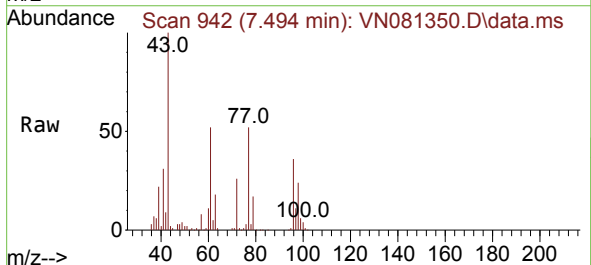
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

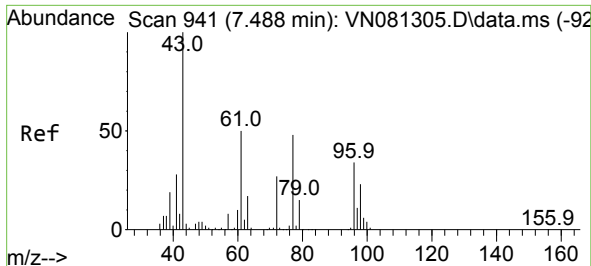
Tgt Ion: 43 Resp: 659903  
Ion Ratio Lower Upper  
43 100  
72 26.1 19.5 29.3



#26  
2,2-Dichloropropane  
Concen: 48.782 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 77 Resp: 312133  
Ion Ratio Lower Upper  
77 100  
97 22.2 11.5 34.5

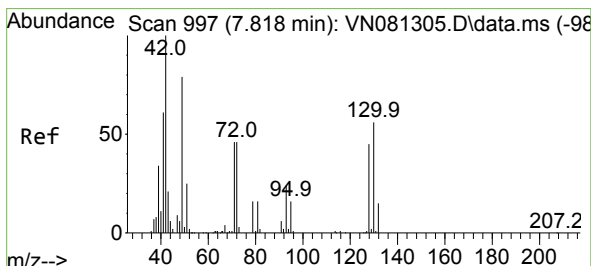
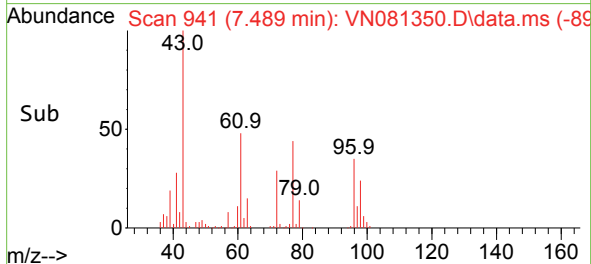
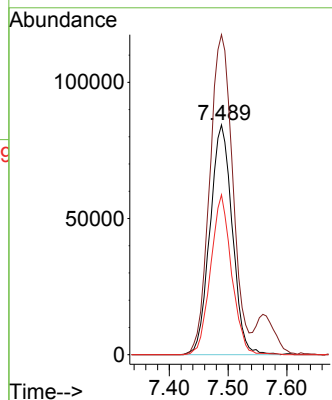
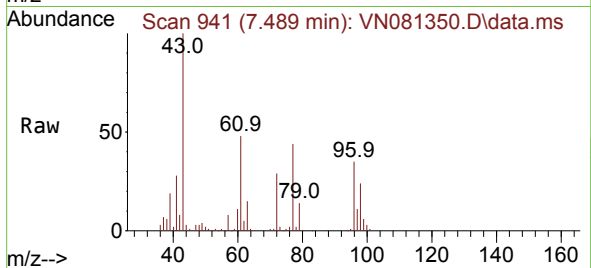




#27  
 cis-1,2-Dichloroethene  
 Concen: 48.513 ug/l  
 RT: 7.489 min Scan# 941  
 Delta R.T. 0.000 min  
 Lab File: VN081350.D  
 Acq: 08 Mar 2024 16:53

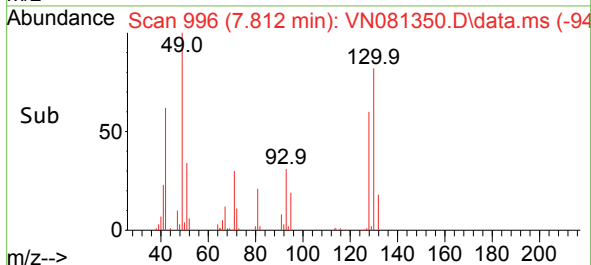
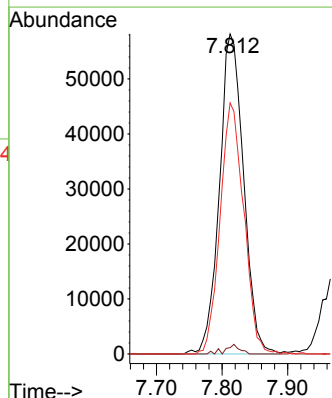
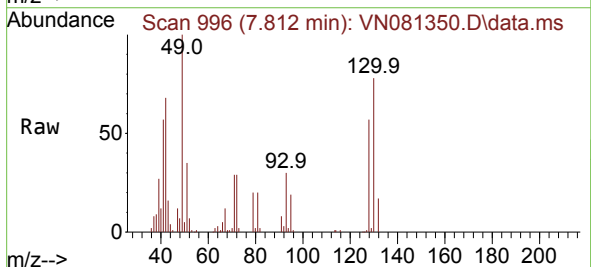
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

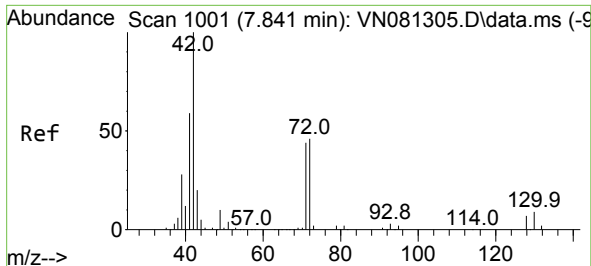
Tgt Ion: 96 Resp: 222489  
 Ion Ratio Lower Upper  
 96 100  
 61 143.2 0.0 325.4  
 98 65.3 0.0 130.4



#28  
 Bromochloromethane  
 Concen: 47.993 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. -0.006 min  
 Lab File: VN081350.D  
 Acq: 08 Mar 2024 16:53

Tgt Ion: 49 Resp: 148669  
 Ion Ratio Lower Upper  
 49 100  
 129 1.8 0.0 1.6#  
 130 76.9 42.3 63.5#

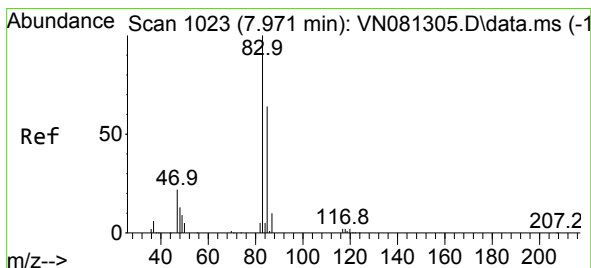
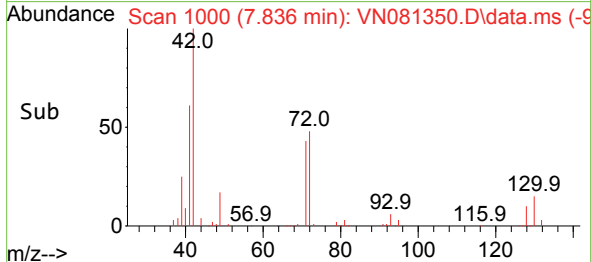
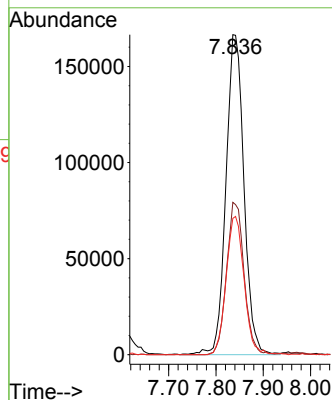
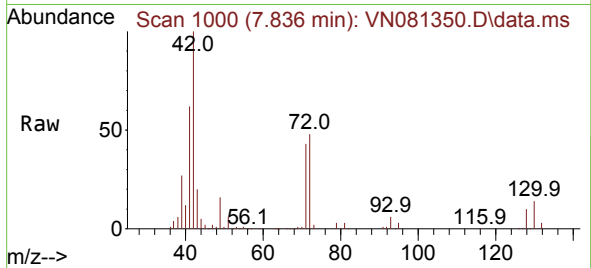




#29  
Tetrahydrofuran  
Concen: 244.312 ug/l  
RT: 7.836 min Scan# 1000  
Delta R.T. -0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

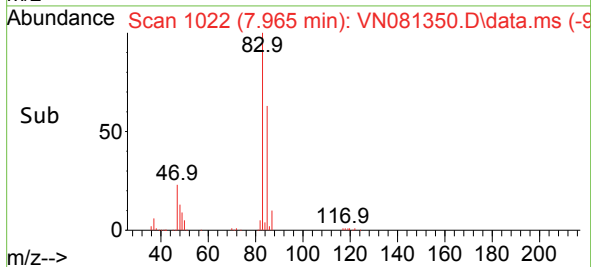
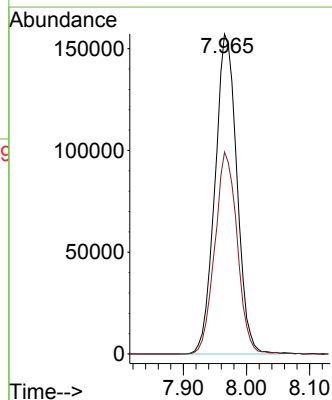
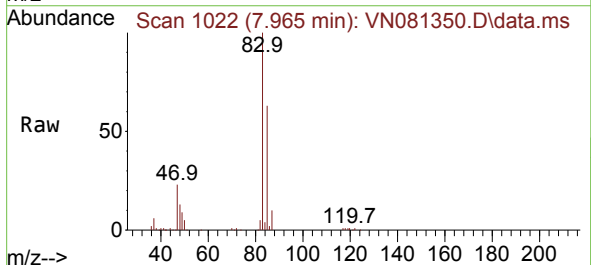
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

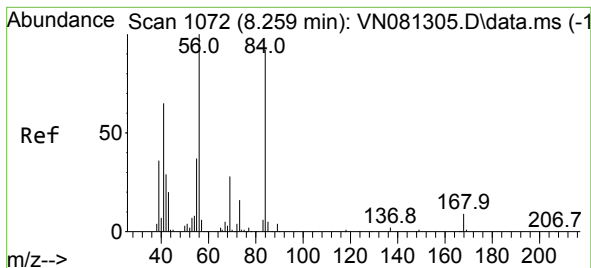
Tgt Ion: 42 Resp: 440038  
Ion Ratio Lower Upper  
42 100  
72 46.4 31.1 46.7  
71 43.1 28.3 42.5#



#30  
Chloroform  
Concen: 50.567 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. -0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 83 Resp: 379902  
Ion Ratio Lower Upper  
83 100  
85 63.1 51.0 76.6





#31

Cyclohexane

Concen: 44.532 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

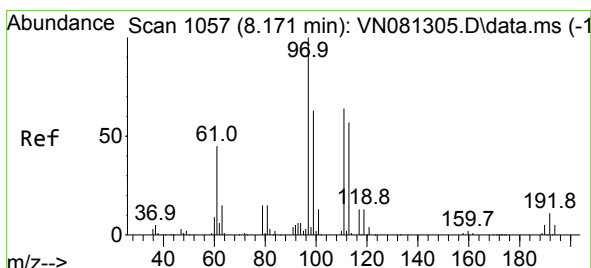
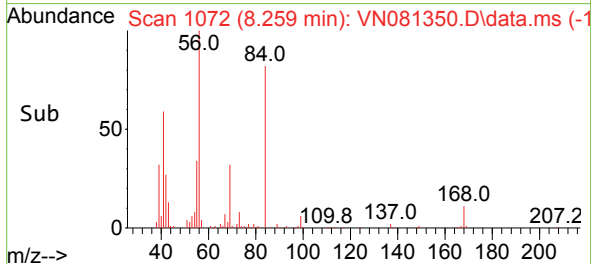
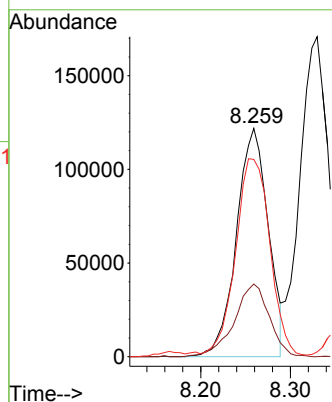
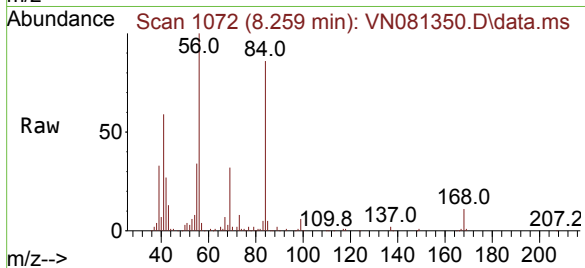
Tgt Ion: 56 Resp: 300131

Ion Ratio Lower Upper

56 100

69 31.8 20.1 30.1#

84 84.6 56.9 85.3



#32

1,1,1-Trichloroethane

Concen: 51.106 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

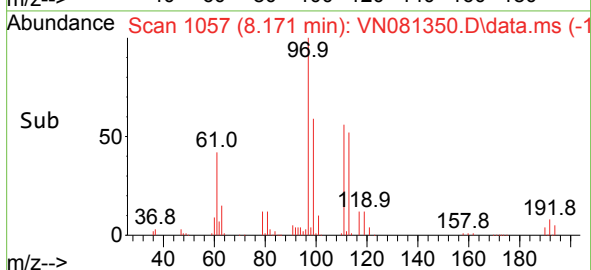
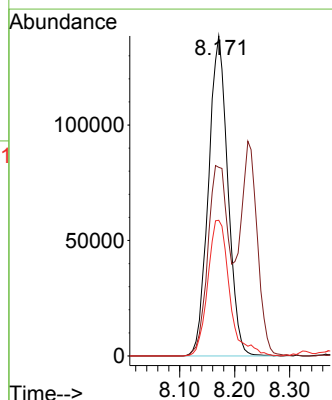
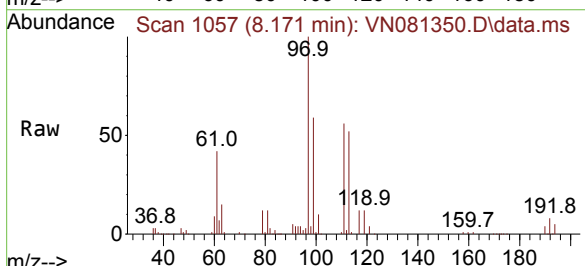
Tgt Ion: 97 Resp: 339383

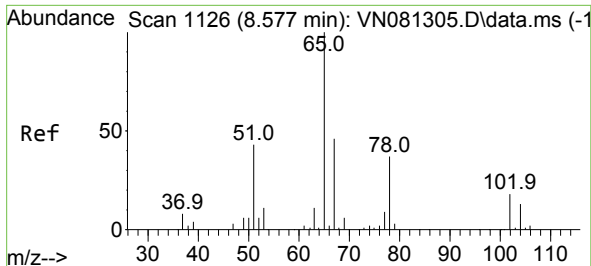
Ion Ratio Lower Upper

97 100

99 61.9 53.4 80.0

61 47.8 43.8 65.8





#33

1,2-Dichloroethane-d4

Concen: 49.834 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

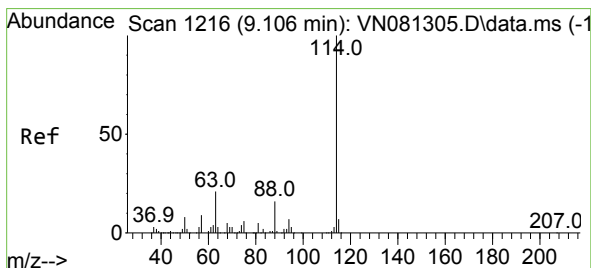
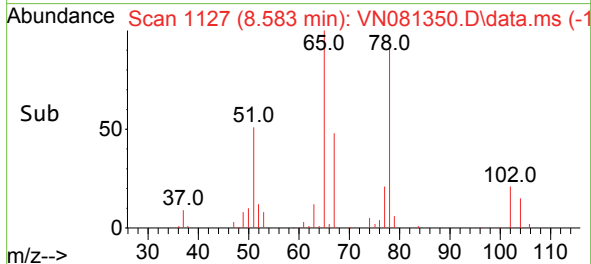
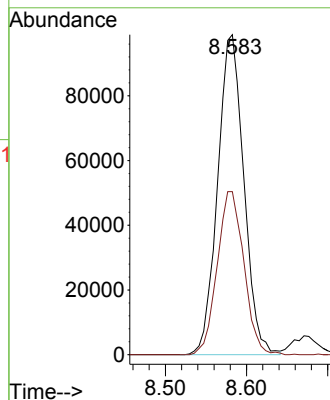
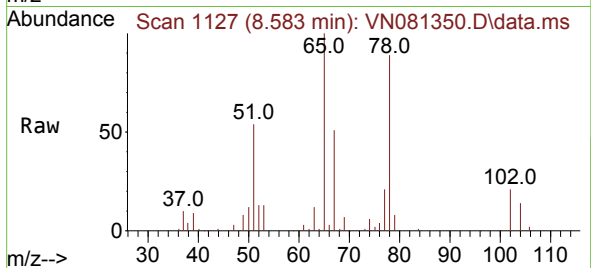
VSTDCCC050EC

Tgt Ion: 65 Resp: 221840

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

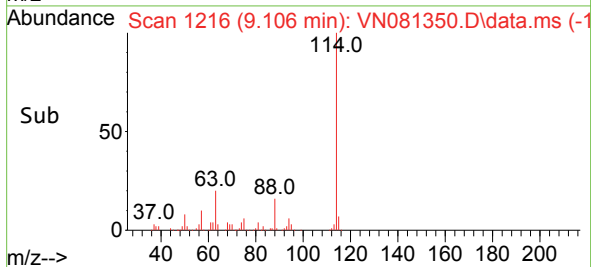
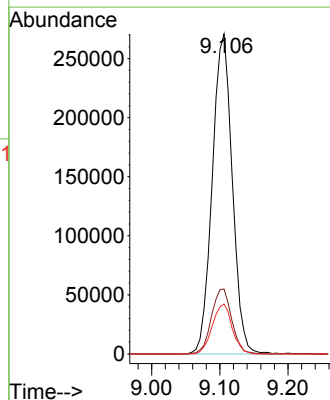
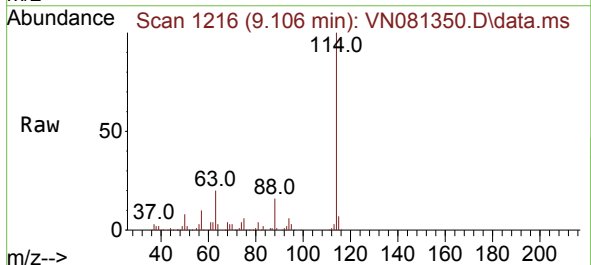
Tgt Ion: 114 Resp: 553025

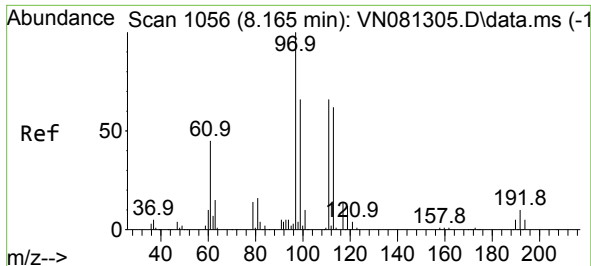
Ion Ratio Lower Upper

114 100

63 20.3 0.0 48.0

88 15.6 0.0 34.8

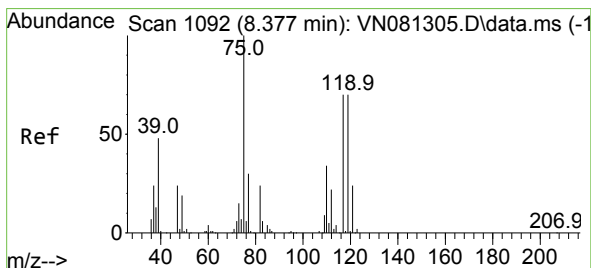
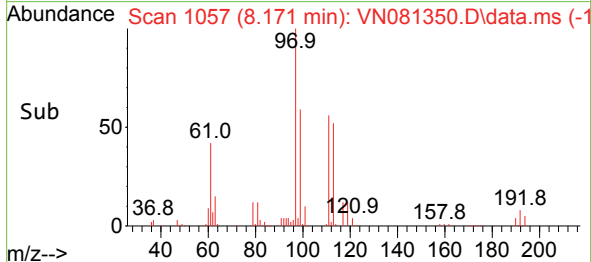
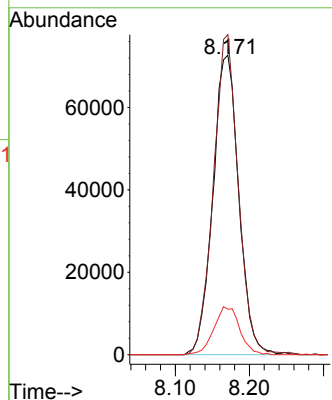
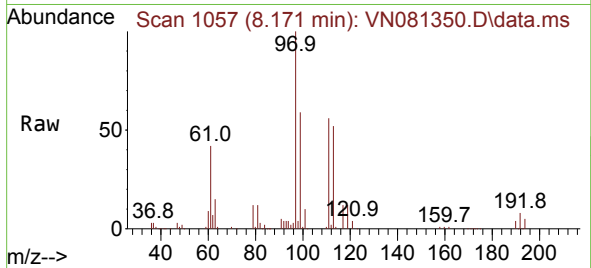




#35  
Dibromofluoromethane  
Concen: 52.039 ug/l  
RT: 8.171 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

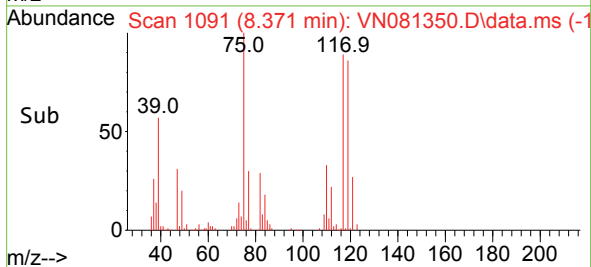
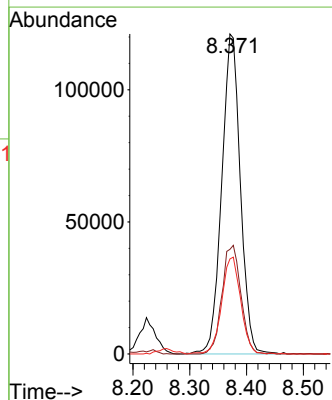
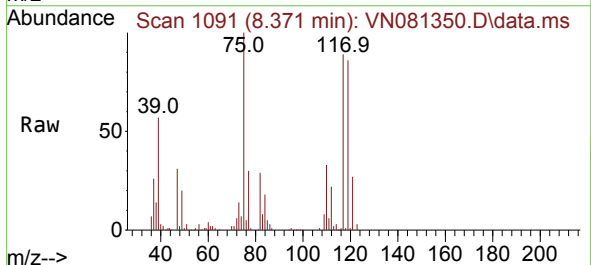
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

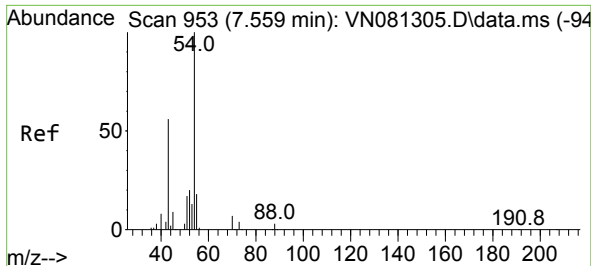
Tgt Ion:113 Resp: 176317  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.2 123.4  
192 16.0 12.5 18.7



#36  
1,1-Dichloropropene  
Concen: 50.542 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 75 Resp: 276271  
Ion Ratio Lower Upper  
75 100  
110 34.6 16.0 48.0  
77 31.0 25.8 38.6





#37

Ethyl Acetate

Concen: 48.551 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

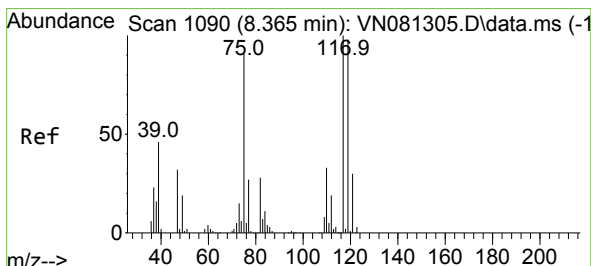
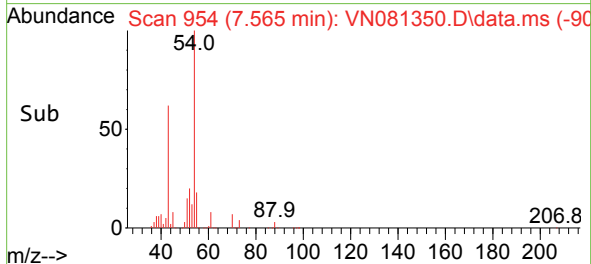
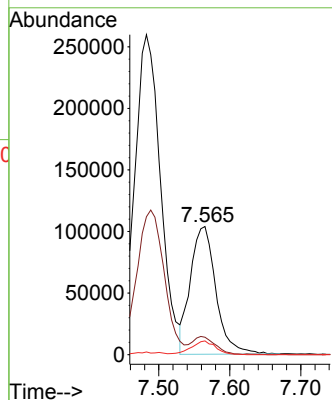
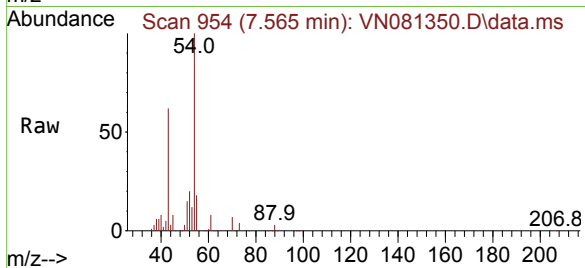
Tgt Ion: 43 Resp: 259427

Ion Ratio Lower Upper

43 100

61 12.0 10.6 15.8

70 10.3 8.0 12.0



#38

Carbon Tetrachloride

Concen: 52.185 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

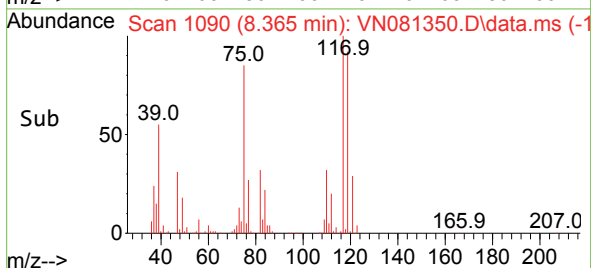
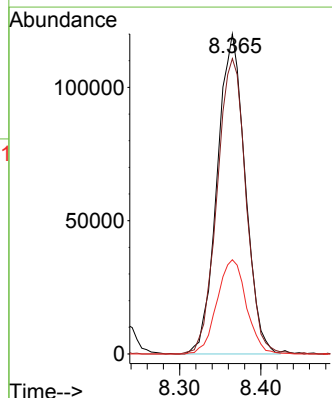
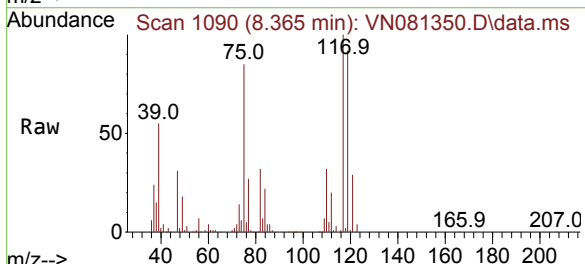
Tgt Ion: 117 Resp: 287092

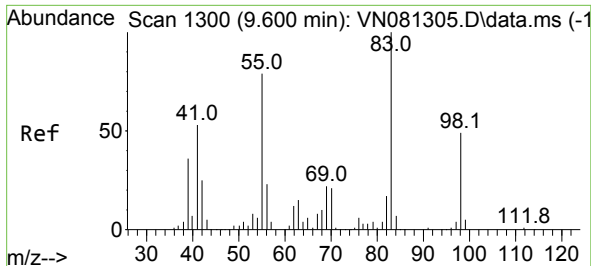
Ion Ratio Lower Upper

117 100

119 92.3 73.4 110.2

121 29.5 24.4 36.6

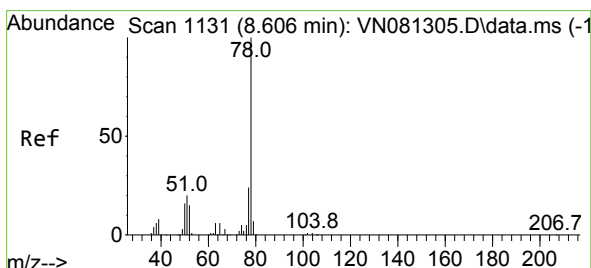
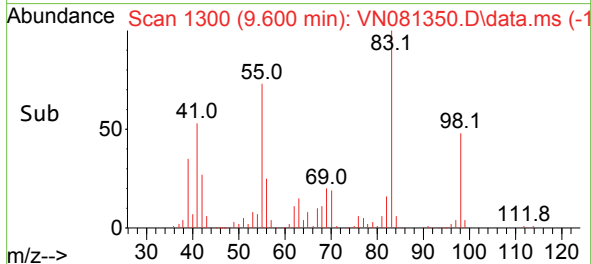
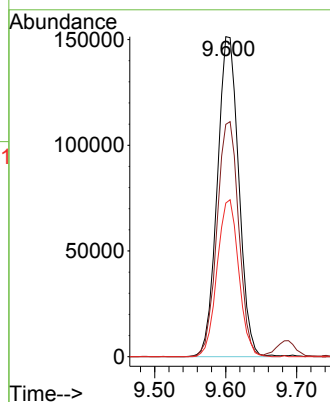
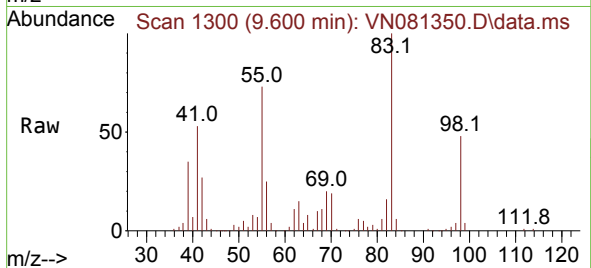




#39  
Methylcyclohexane  
Concen: 50.407 ug/l  
RT: 9.600 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

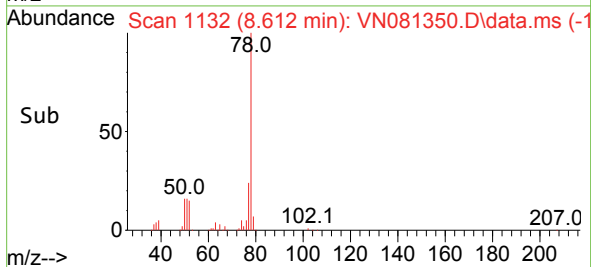
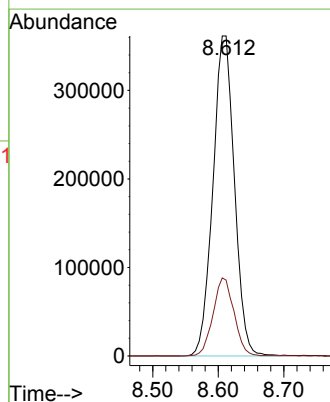
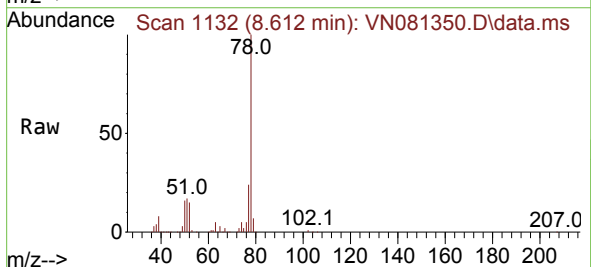
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

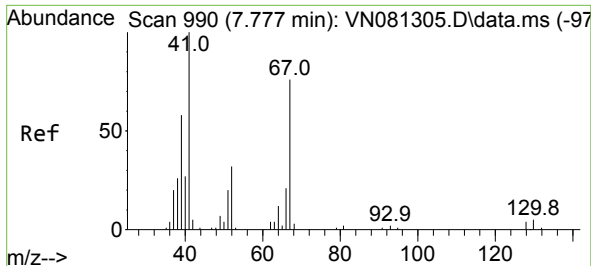
Tgt Ion: 83 Resp: 317102  
Ion Ratio Lower Upper  
83 100  
55 72.6 65.7 98.5  
98 48.0 33.8 50.6



#40  
Benzene  
Concen: 50.365 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. 0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 78 Resp: 821756  
Ion Ratio Lower Upper  
78 100  
77 23.7 20.4 30.6



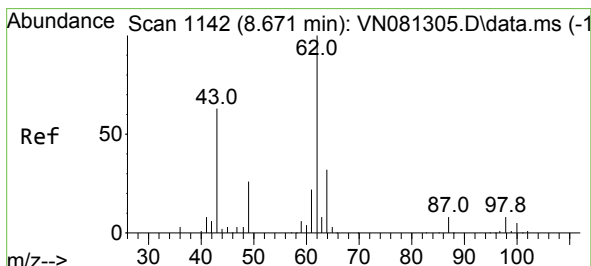
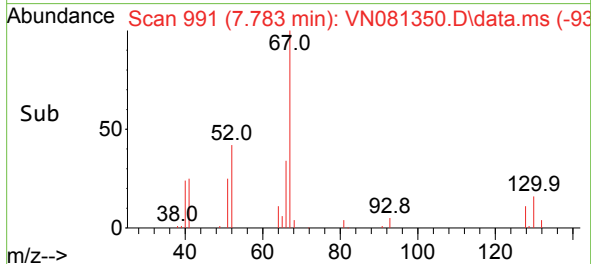
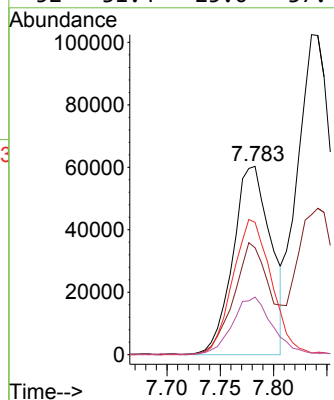
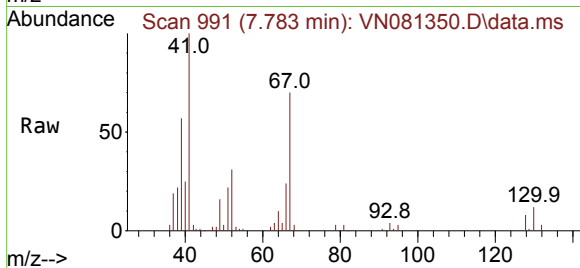


#41  
Methacrylonitrile  
Concen: 49.571 ug/l  
RT: 7.783 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 149583

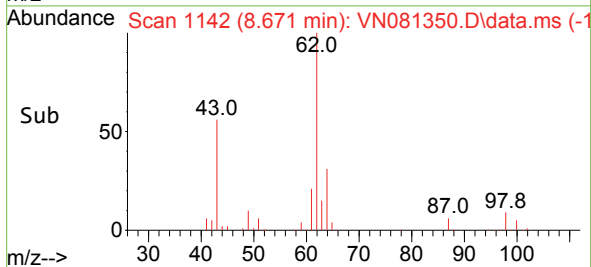
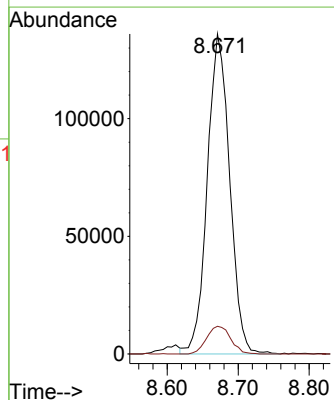
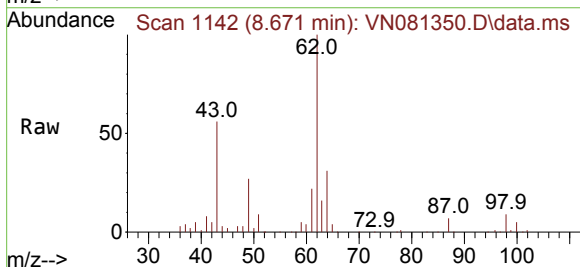
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 60.4  | 48.4  | 72.6  |
| 67  | 73.6  | 56.8  | 85.2  |
| 52  | 31.4  | 25.0  | 37.4  |

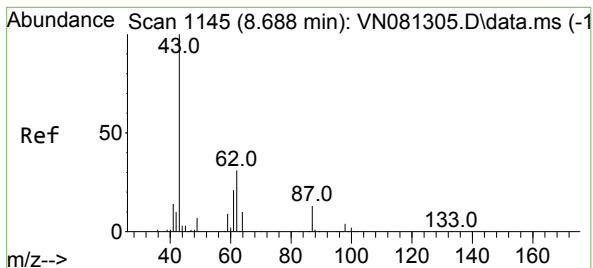


#42  
1,2-Dichloroethane  
Concen: 51.809 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 62 Resp: 298044

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.3   | 0.0   | 18.0  |





#43

Isopropyl Acetate

Concen: 48.505 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

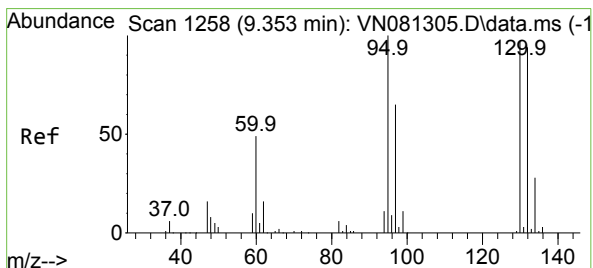
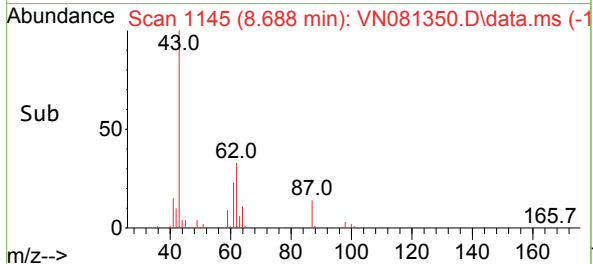
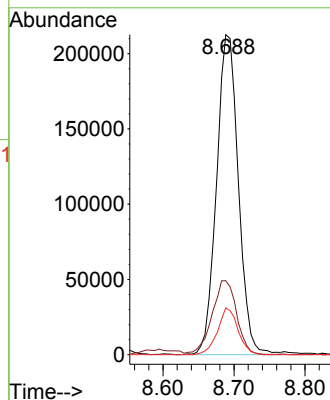
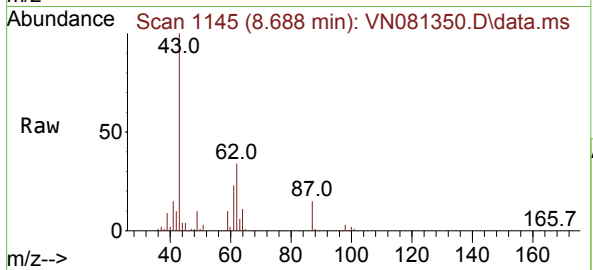
Tgt Ion: 43 Resp: 453645

Ion Ratio Lower Upper

43 100

61 25.9 19.9 29.9

87 13.6 9.0 13.6#



#44

Trichloroethene

Concen: 51.586 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN081350.D

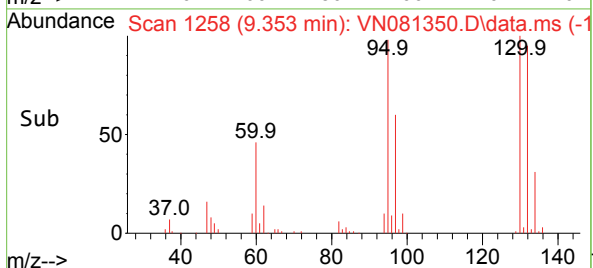
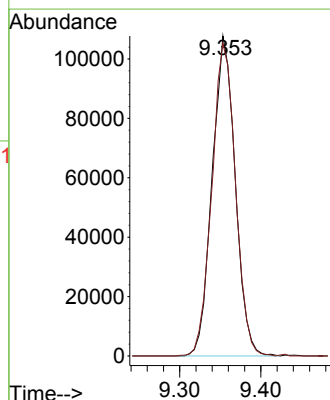
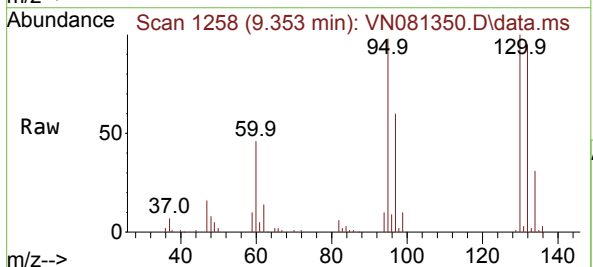
Acq: 08 Mar 2024 16:53

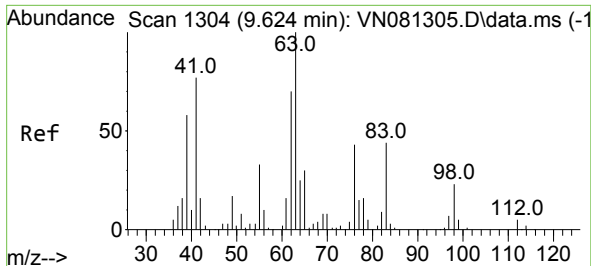
Tgt Ion:130 Resp: 212278

Ion Ratio Lower Upper

130 100

95 97.5 0.0 210.4

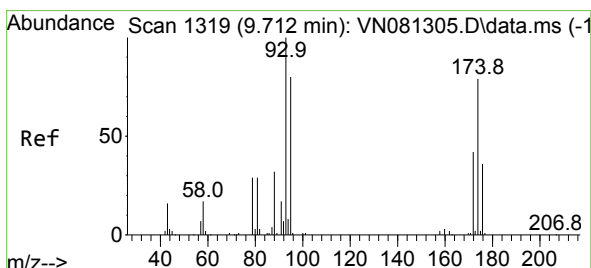
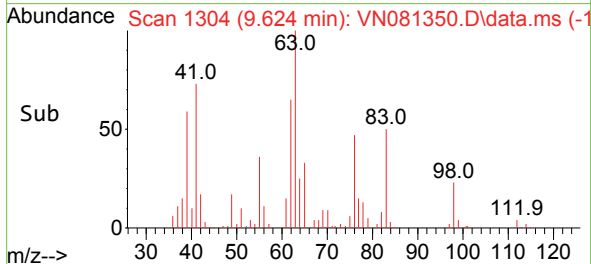
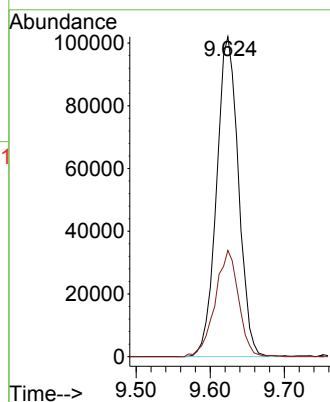
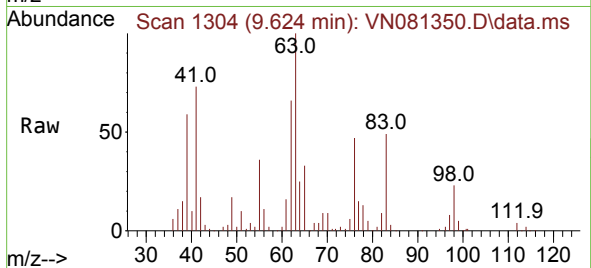




#45  
1,2-Dichloropropane  
Concen: 51.065 ug/l  
RT: 9.624 min Scan# 1304  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

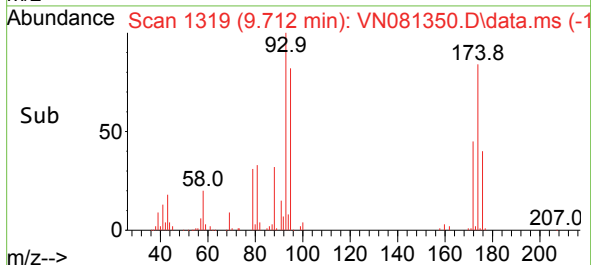
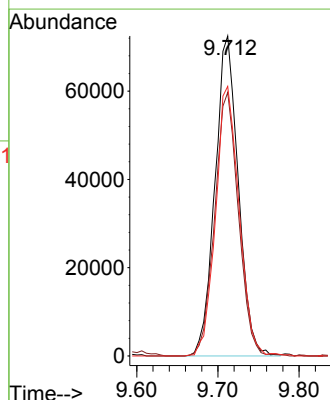
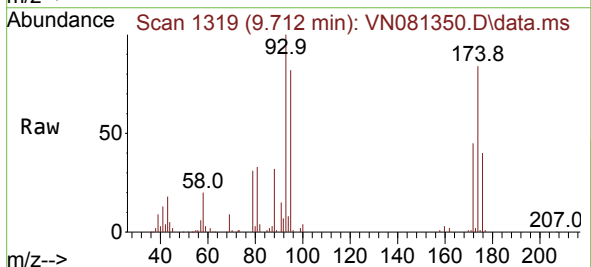
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

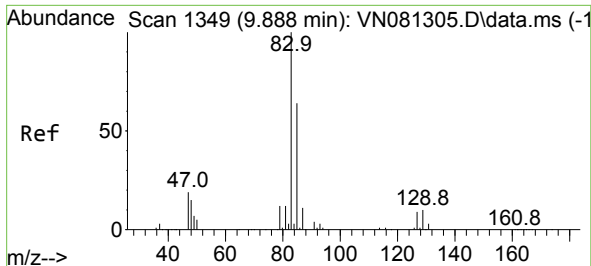
Tgt Ion: 63 Resp: 209301  
Ion Ratio Lower Upper  
63 100  
65 33.2 26.1 39.1



#46  
Dibromomethane  
Concen: 50.182 ug/l  
RT: 9.712 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 93 Resp: 144977  
Ion Ratio Lower Upper  
93 100  
95 83.6 68.1 102.1  
174 85.1 57.2 85.8





#47

Bromodichloromethane

Concen: 52.967 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

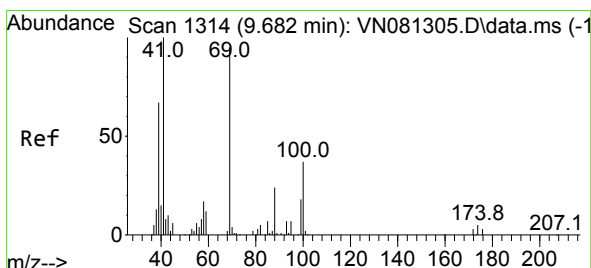
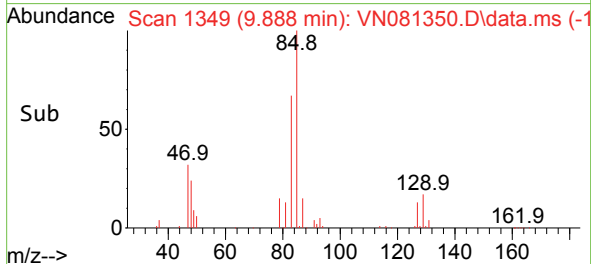
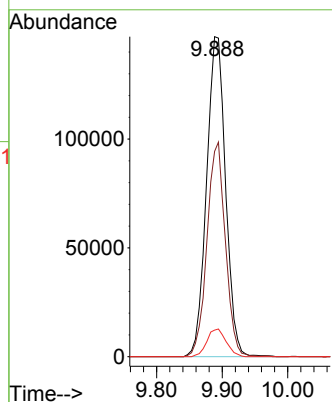
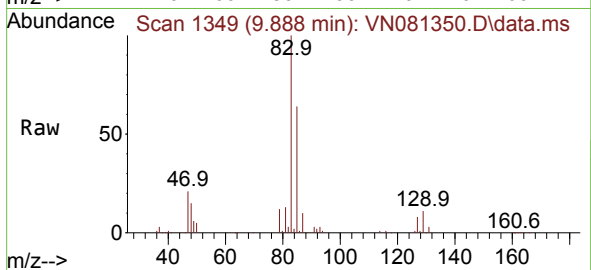
Tgt Ion: 83 Resp: 297065

Ion Ratio Lower Upper

83 100

85 64.1 52.3 78.5

127 8.3 4.6 7.0#



#48

Methyl methacrylate

Concen: 52.240 ug/l

RT: 9.683 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

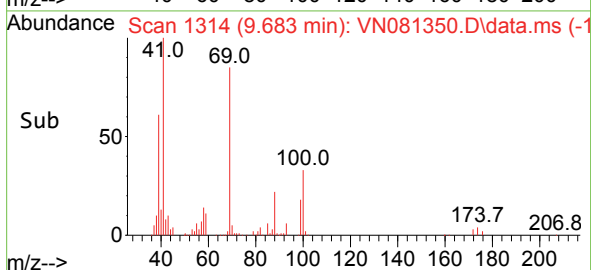
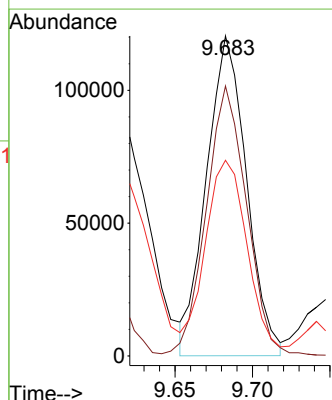
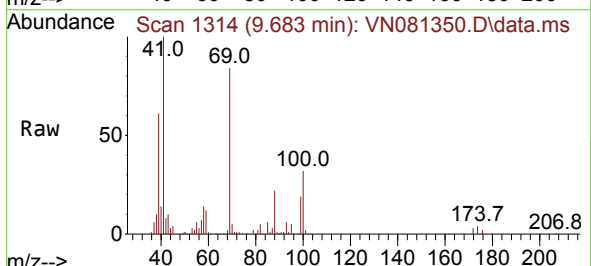
Tgt Ion: 41 Resp: 215960

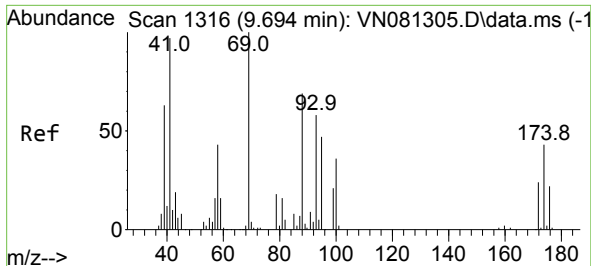
Ion Ratio Lower Upper

41 100

69 85.1 62.2 93.2

39 64.8 47.6 71.4





#49

1,4-Dioxane

Concen: 988.574 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

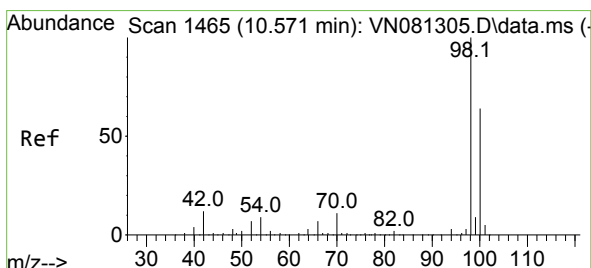
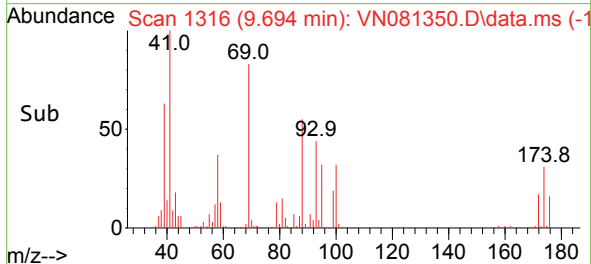
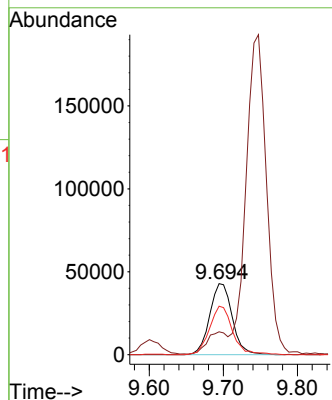
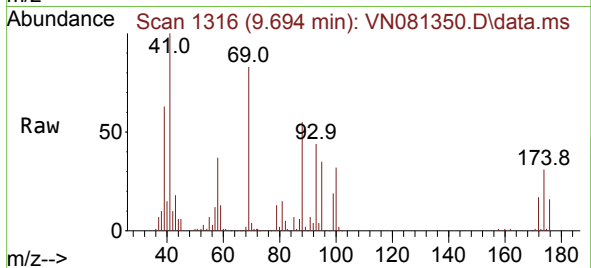
Tgt Ion: 88 Resp: 90077

Ion Ratio Lower Upper

88 100

43 28.8 30.1 45.1#

58 69.9 63.9 95.9



#50

Toluene-d8

Concen: 51.556 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081350.D

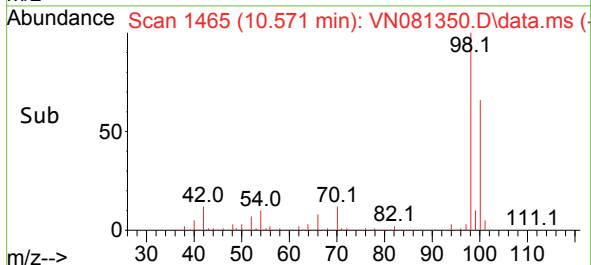
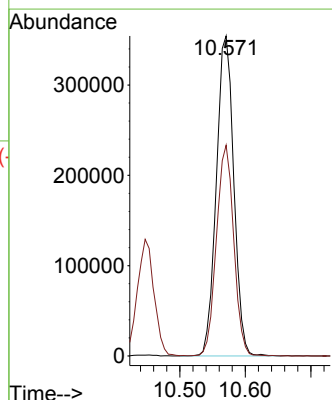
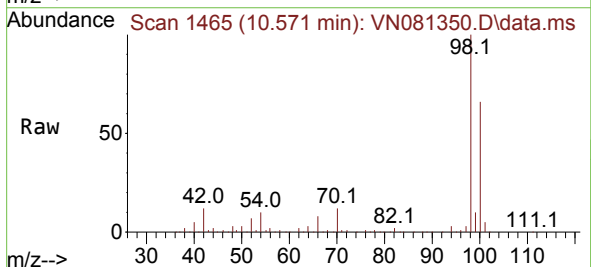
Acq: 08 Mar 2024 16:53

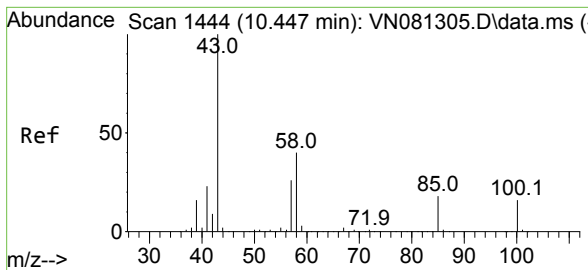
Tgt Ion: 98 Resp: 653003

Ion Ratio Lower Upper

98 100

100 65.4 51.4 77.0

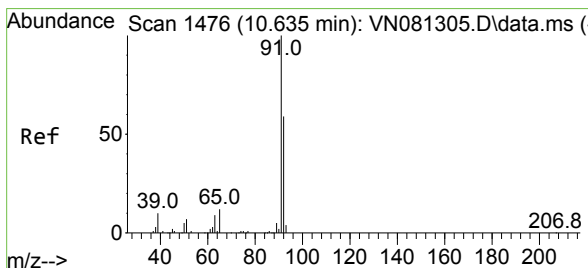
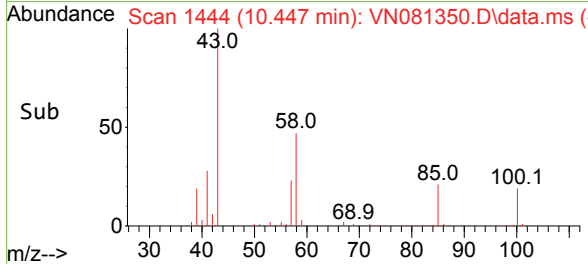
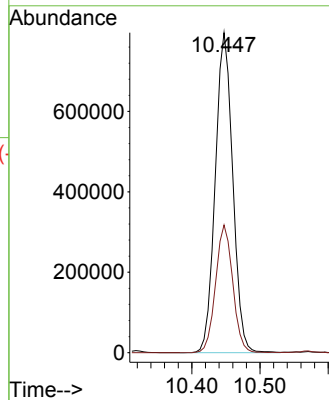
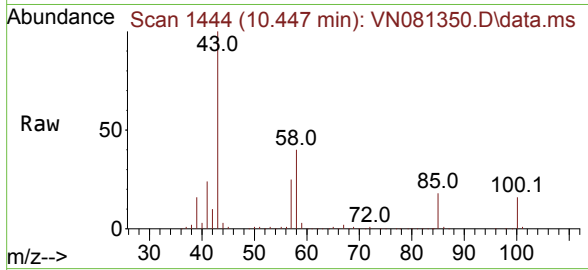




#51  
4-Methyl-2-Pentanone  
Concen: 261.596 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

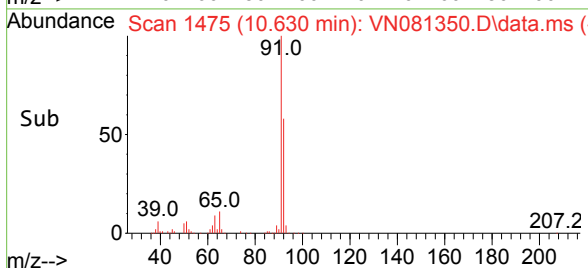
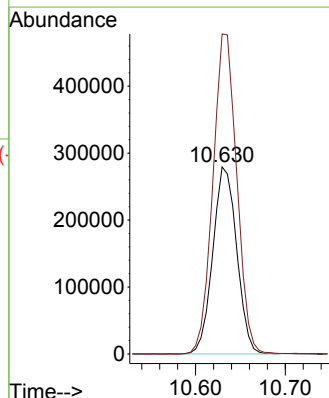
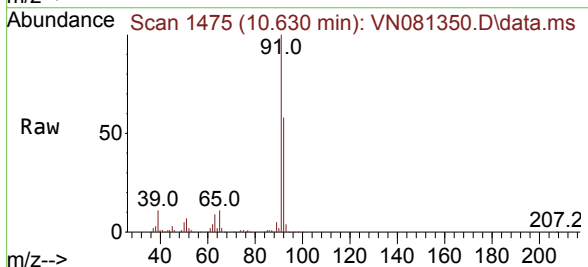
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

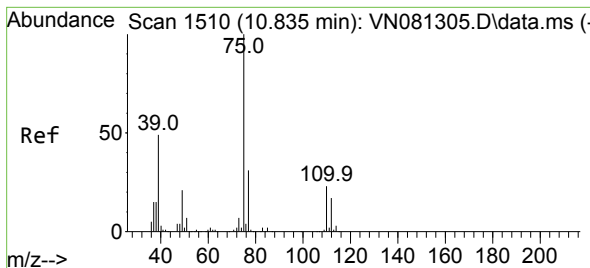
Tgt Ion: 43 Resp: 1420599  
Ion Ratio Lower Upper  
43 100  
58 39.2 29.4 44.0



#52  
Toluene  
Concen: 52.443 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 92 Resp: 516889  
Ion Ratio Lower Upper  
92 100  
91 171.0 139.4 209.0

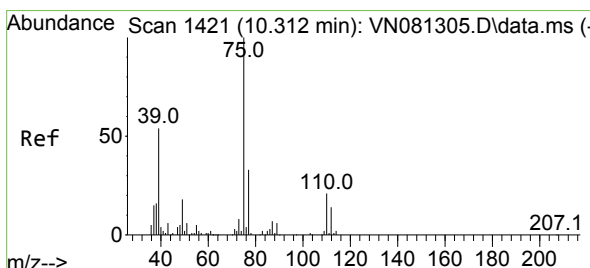
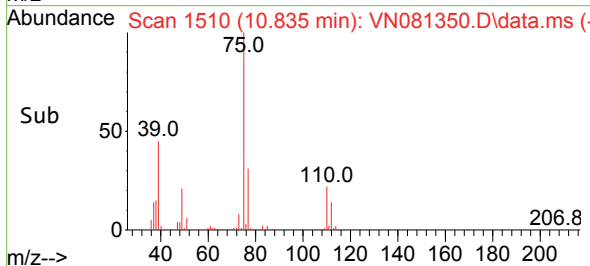
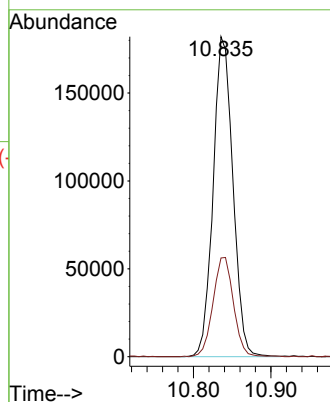
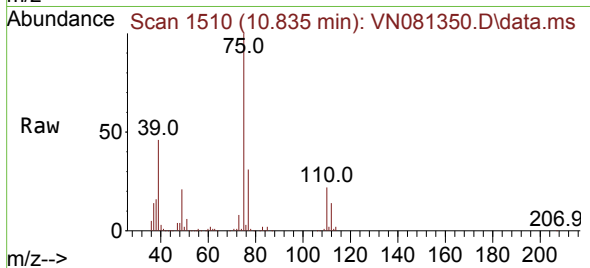




#53  
 t-1,3-Dichloropropene  
 Concen: 53.069 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. 0.000 min  
 Lab File: VN081350.D  
 Acq: 08 Mar 2024 16:53

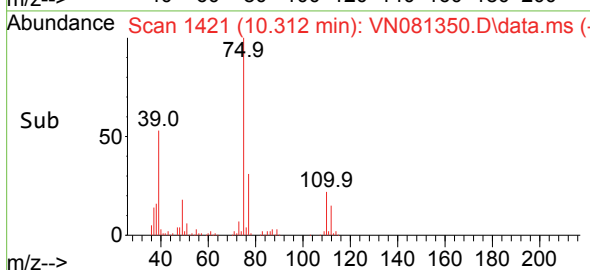
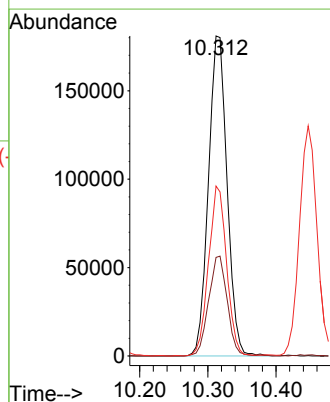
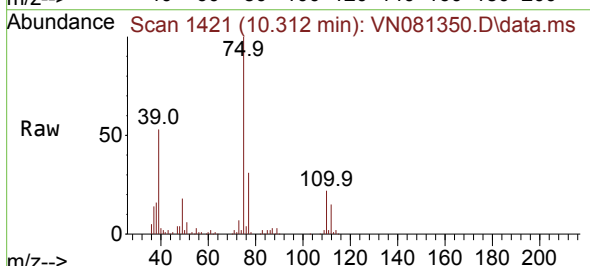
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

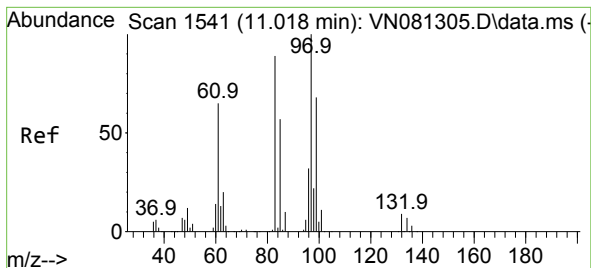
Tgt Ion: 75 Resp: 322041  
 Ion Ratio Lower Upper  
 75 100  
 77 30.8 25.5 38.3



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.538 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.000 min  
 Lab File: VN081350.D  
 Acq: 08 Mar 2024 16:53

Tgt Ion: 75 Resp: 344170  
 Ion Ratio Lower Upper  
 75 100  
 77 30.8 23.3 34.9  
 39 53.0 44.6 66.8





#55

1,1,2-Trichloroethane

Concen: 52.052 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 203444

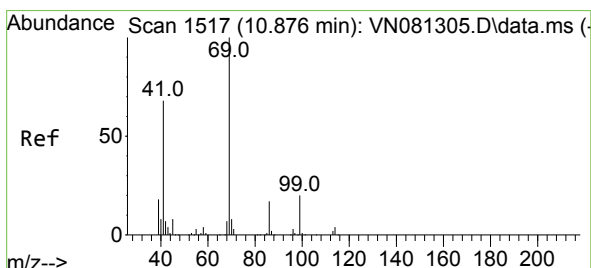
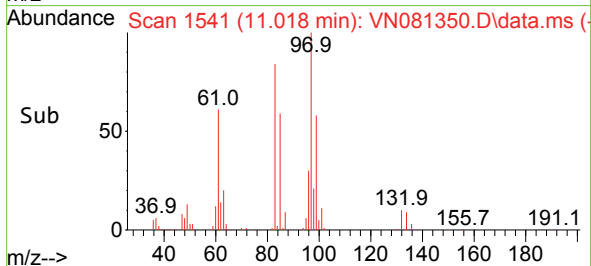
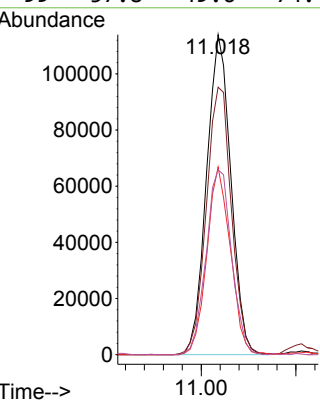
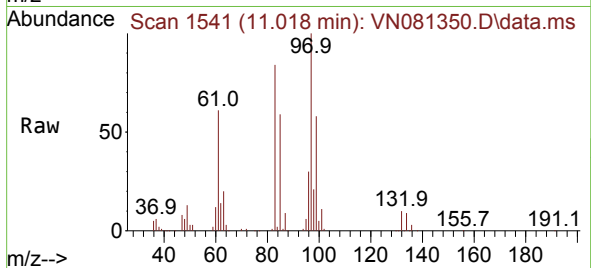
Ion Ratio Lower Upper

97 100

83 83.6 72.9 109.3

85 58.6 50.2 75.2

99 57.8 49.6 74.4



#56

Ethyl methacrylate

Concen: 55.791 ug/l

RT: 10.877 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

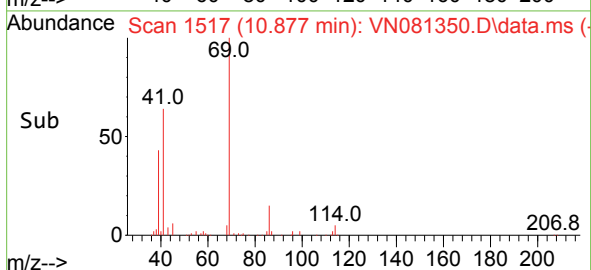
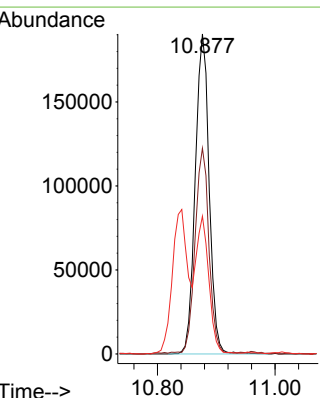
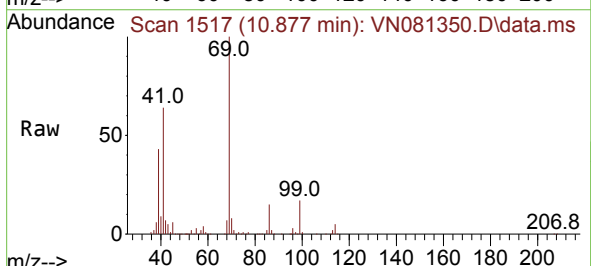
Tgt Ion: 69 Resp: 313117

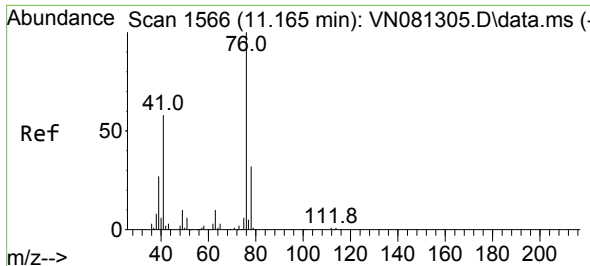
Ion Ratio Lower Upper

69 100

41 63.8 61.0 91.6

39 39.0 31.8 47.6





#57

1,3-Dichloropropane

Concen: 51.814 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

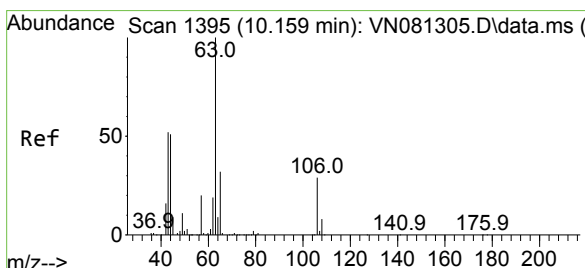
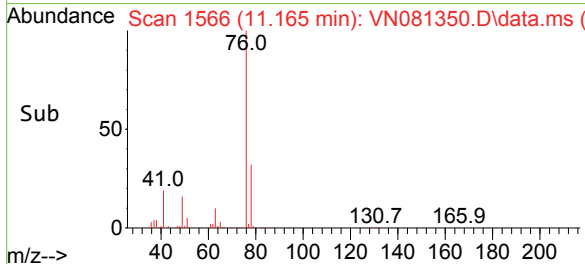
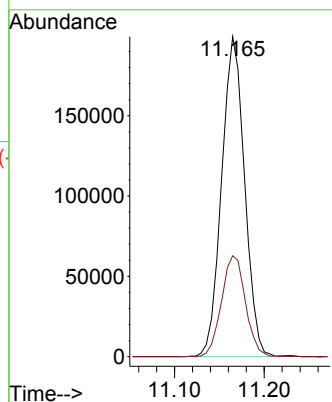
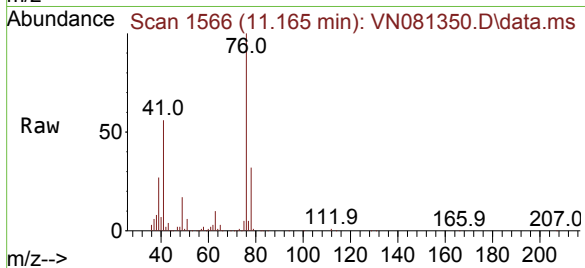
VSTDCCC050EC

Tgt Ion: 76 Resp: 353444

Ion Ratio Lower Upper

76 100

78 32.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 265.454 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. 0.006 min

Lab File: VN081350.D

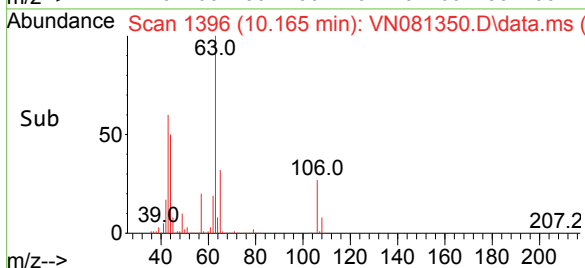
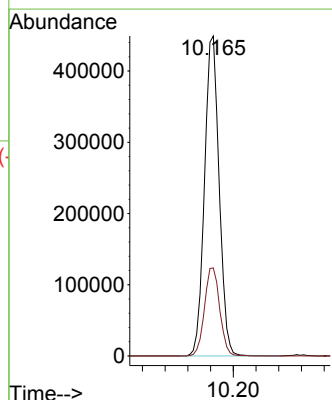
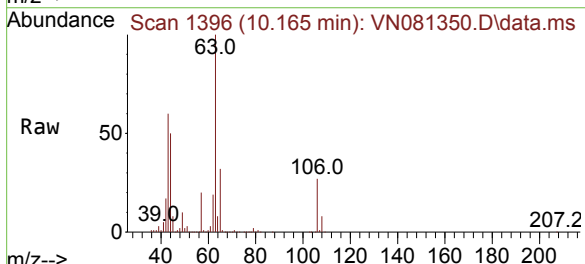
Acq: 08 Mar 2024 16:53

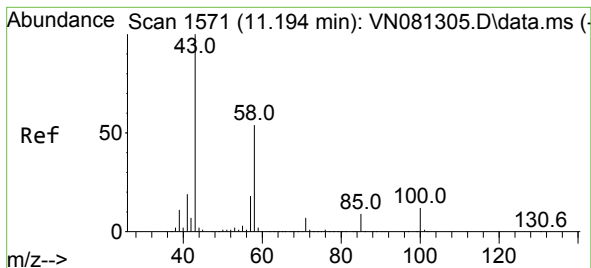
Tgt Ion: 63 Resp: 801389

Ion Ratio Lower Upper

63 100

106 28.6 18.6 28.0#

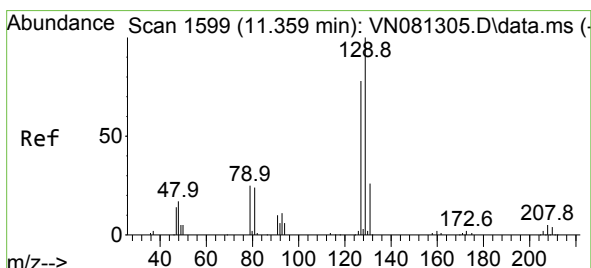
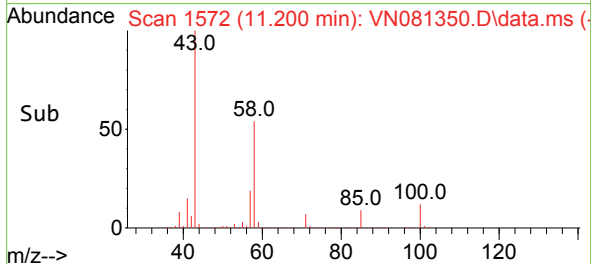
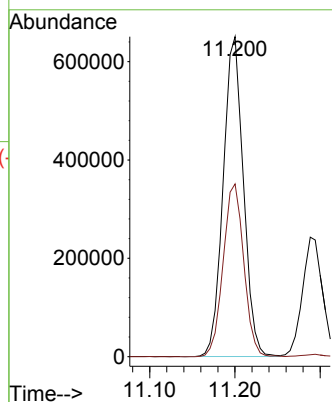
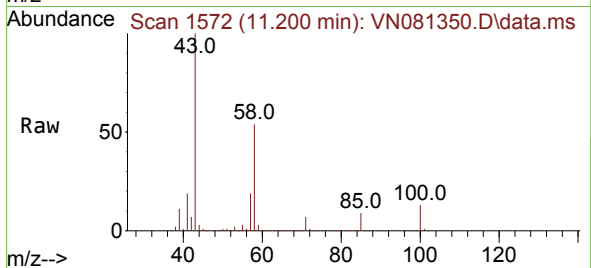




#59  
2-Hexanone  
Concen: 264.361 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. 0.006 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

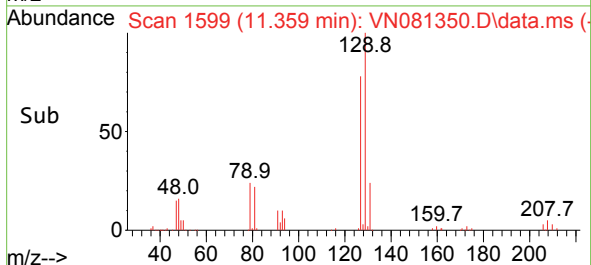
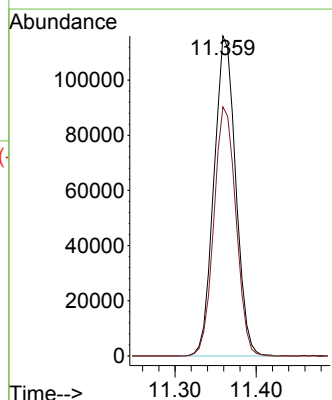
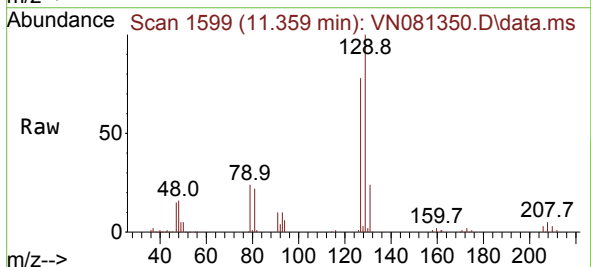
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

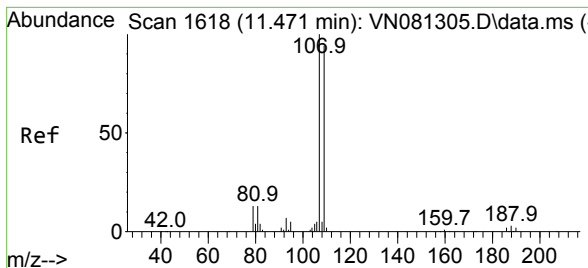
Tgt Ion: 43 Resp: 1073248  
Ion Ratio Lower Upper  
43 100  
58 55.0 25.9 77.8



#60  
Dibromochloromethane  
Concen: 53.701 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 129 Resp: 216159  
Ion Ratio Lower Upper  
129 100  
127 78.8 39.4 118.2

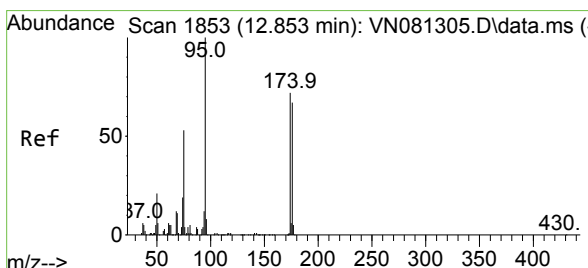
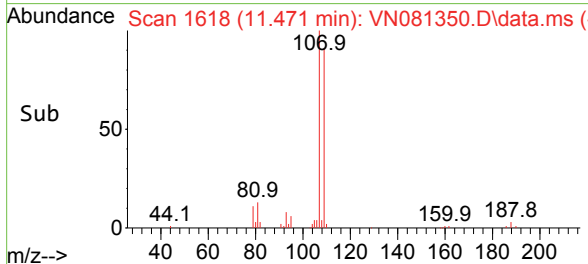
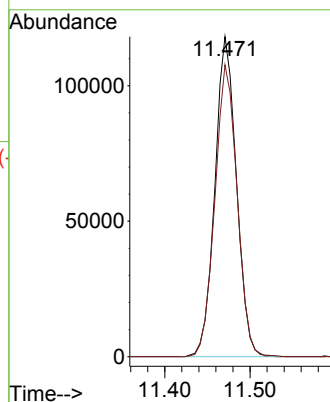
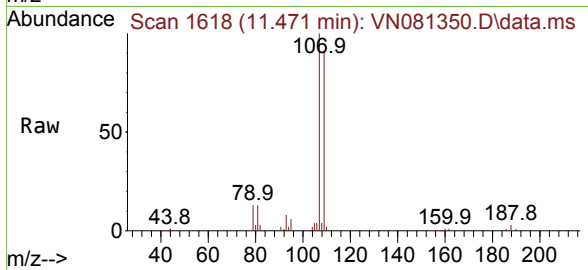




#61  
1,2-Dibromoethane  
Concen: 51.068 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

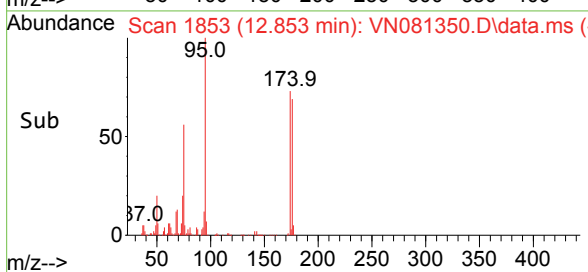
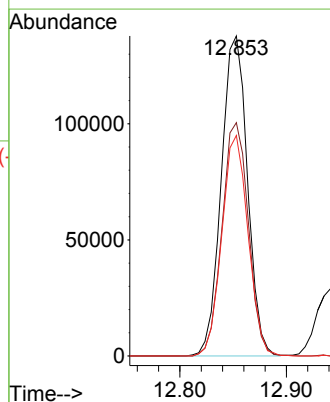
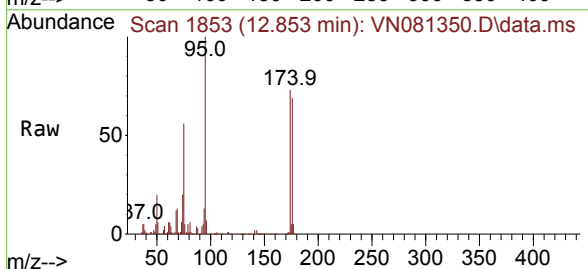
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

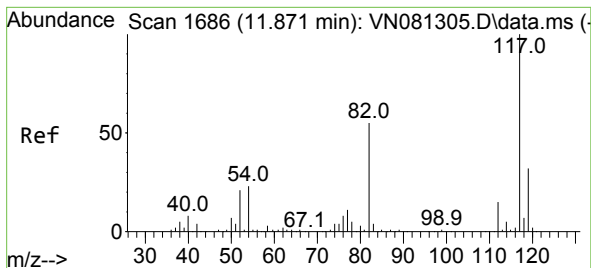
Tgt Ion:107 Resp: 207099  
Ion Ratio Lower Upper  
107 100  
109 94.3 73.4 110.2



#62  
4-Bromofluorobenzene  
Concen: 52.474 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 95 Resp: 234907  
Ion Ratio Lower Upper  
95 100  
174 73.6 0.0 120.4  
176 69.1 0.0 121.0

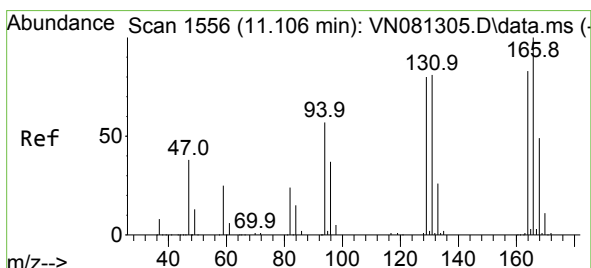
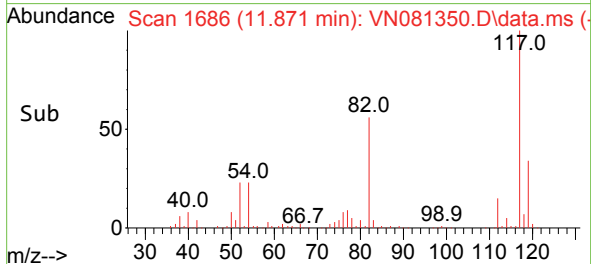
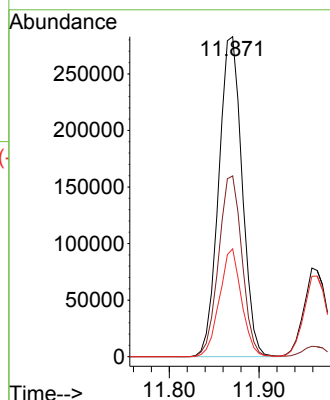
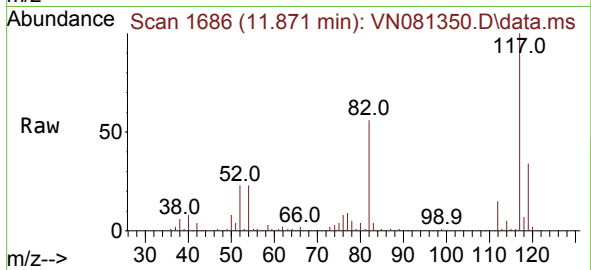




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

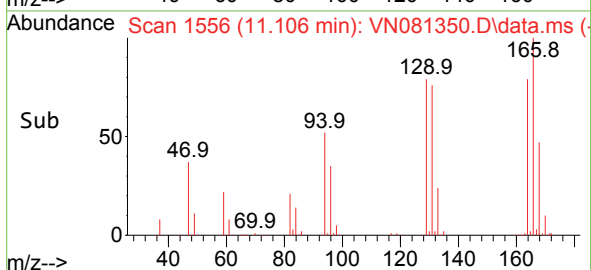
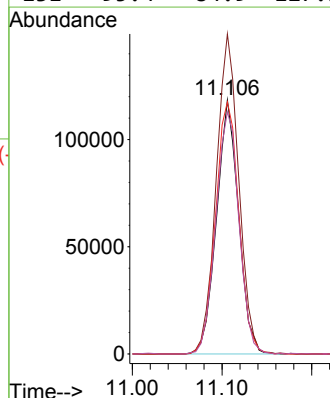
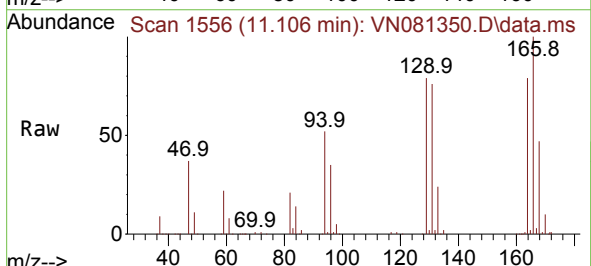
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

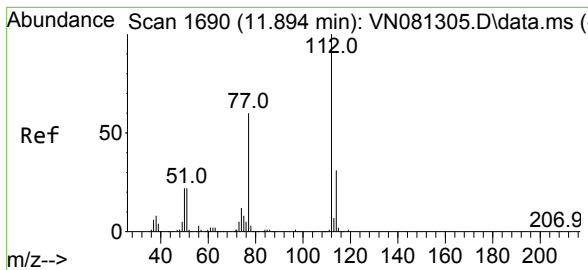
Tgt Ion:117 Resp: 512225  
Ion Ratio Lower Upper  
117 100  
82 56.5 52.7 79.1  
119 33.7 25.3 37.9



#64  
Tetrachloroethene  
Concen: 50.365 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion:164 Resp: 201997  
Ion Ratio Lower Upper  
164 100  
166 126.0 105.8 158.6  
129 99.3 89.6 134.4  
131 95.4 84.9 127.3

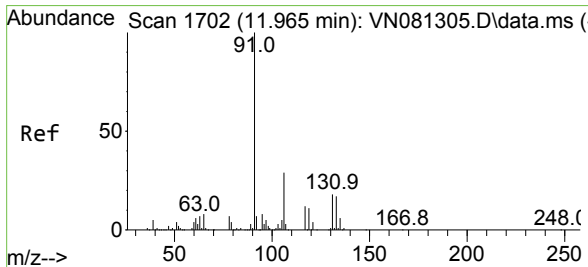
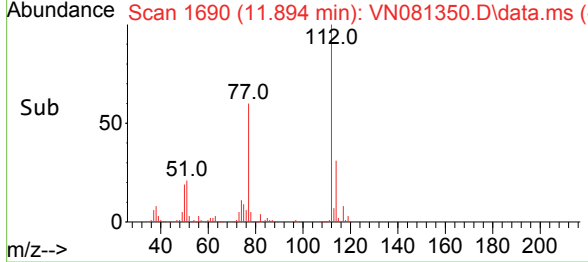
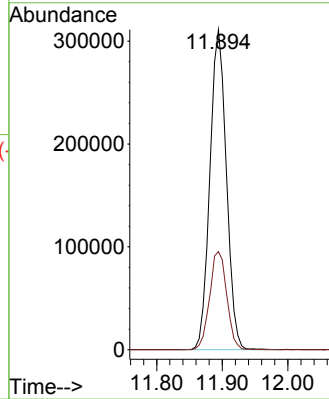
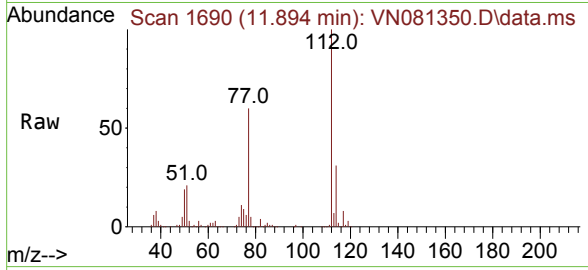




#65  
Chlorobenzene  
Concen: 50.369 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

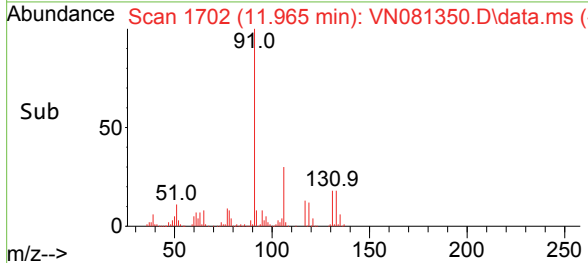
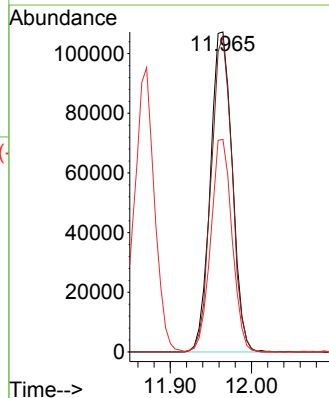
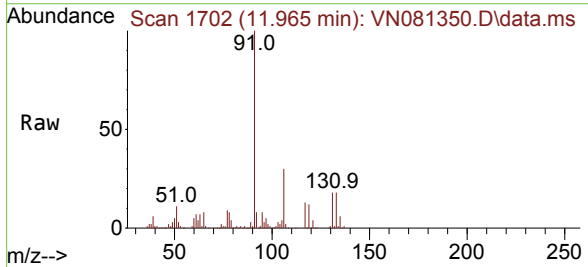
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

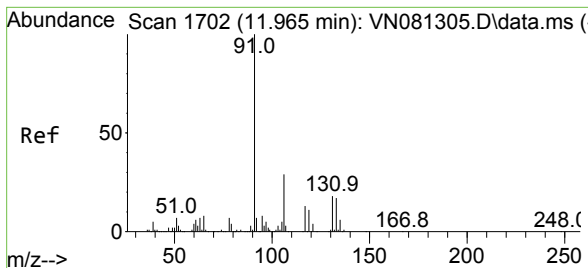
Tgt Ion:112 Resp: 543678  
Ion Ratio Lower Upper  
112 100  
114 30.7 23.7 35.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.907 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion:131 Resp: 201071  
Ion Ratio Lower Upper  
131 100  
133 94.6 46.8 140.3  
119 64.6 34.6 103.9

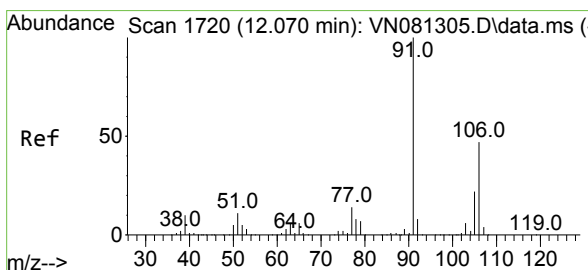
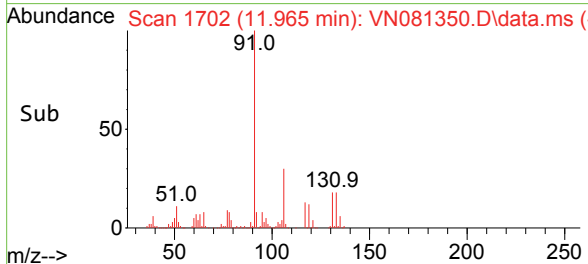
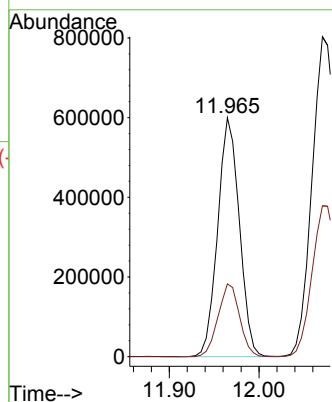
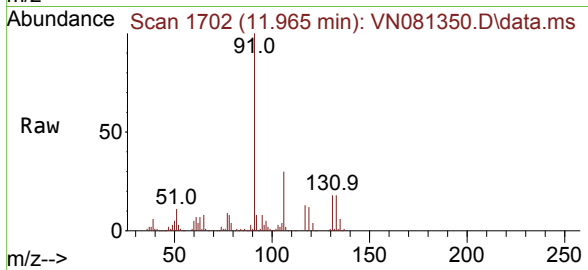




#67  
Ethyl Benzene  
Concen: 51.652 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

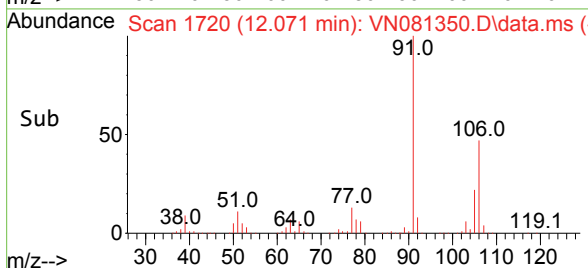
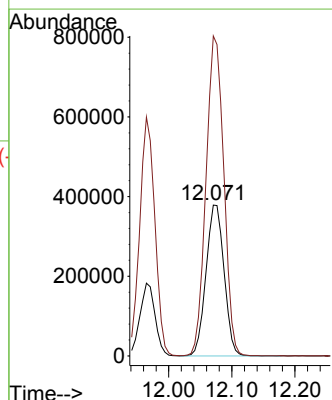
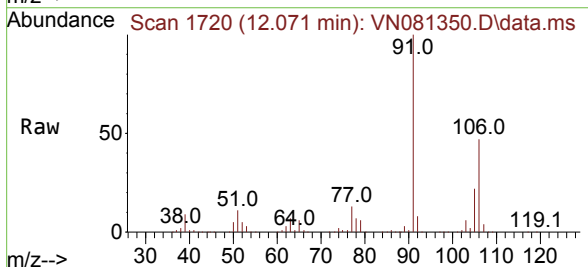
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

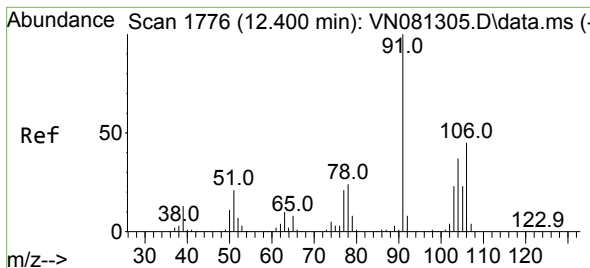
Tgt Ion: 91 Resp: 1004285  
Ion Ratio Lower Upper  
91 100  
106 30.5 23.8 35.6



#68  
m/p-Xylenes  
Concen: 102.791 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 106 Resp: 752161  
Ion Ratio Lower Upper  
106 100  
91 209.1 169.0 253.6





#69

o-Xylene

Concen: 52.432 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

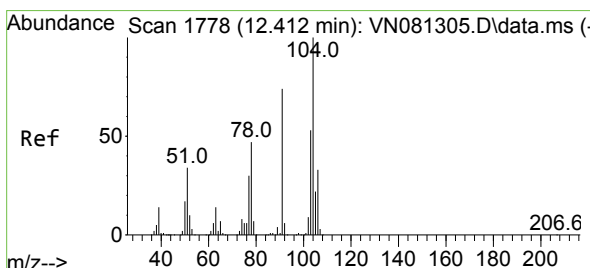
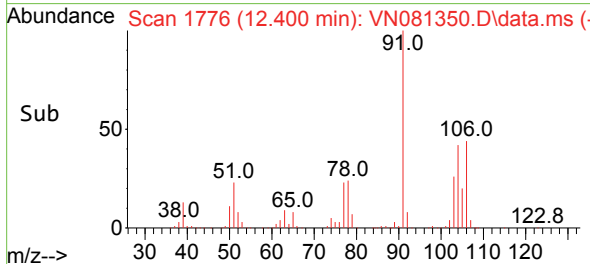
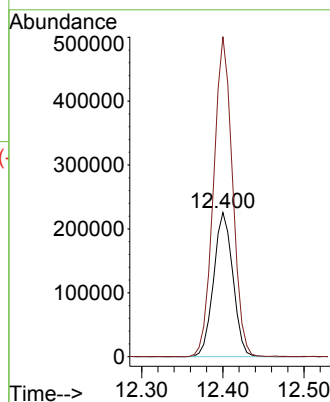
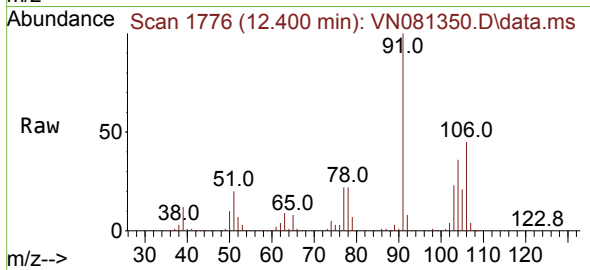
VSTDCCC050EC

Tgt Ion:106 Resp: 371832

Ion Ratio Lower Upper

106 100

91 218.7 112.1 336.3



#70

Styrene

Concen: 55.089 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

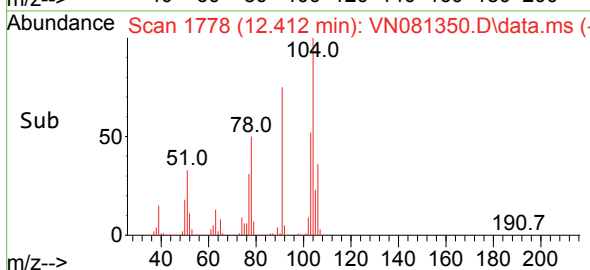
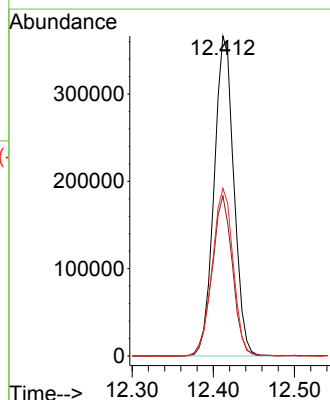
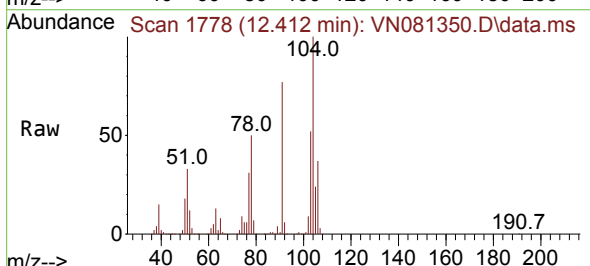
Tgt Ion:104 Resp: 619104

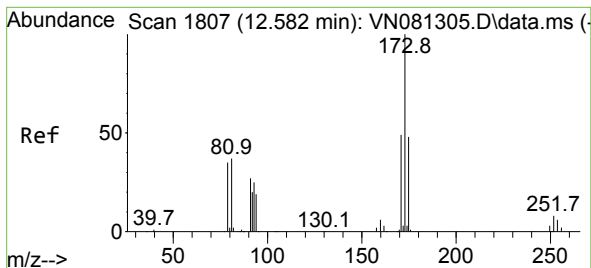
Ion Ratio Lower Upper

104 100

78 51.8 43.8 65.8

103 55.3 44.2 66.2





#71

Bromoform

Concen: 52.472 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

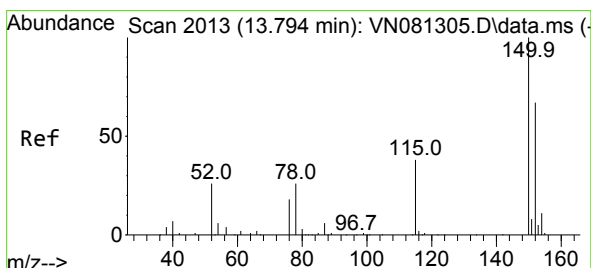
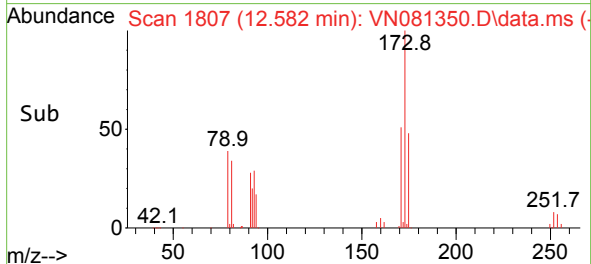
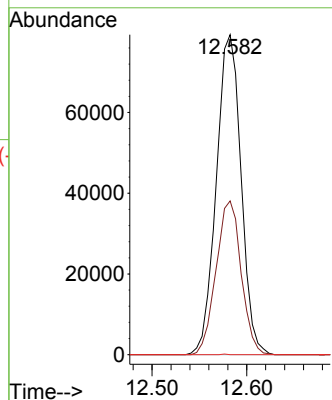
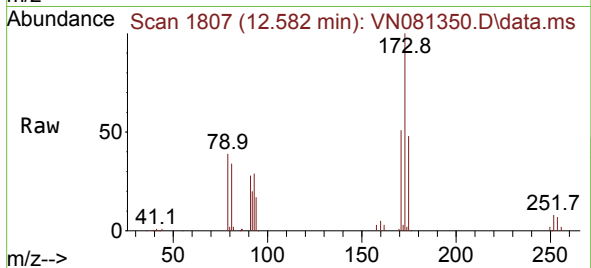
Tgt Ion:173 Resp: 143885

Ion Ratio Lower Upper

173 100

175 48.7 23.1 69.2

254 0.0 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

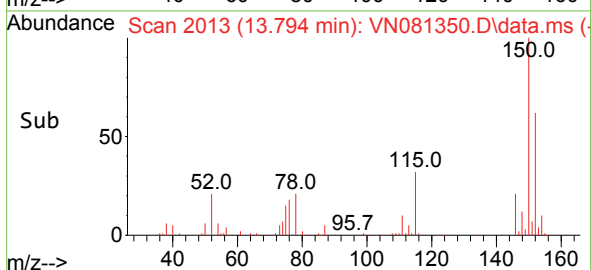
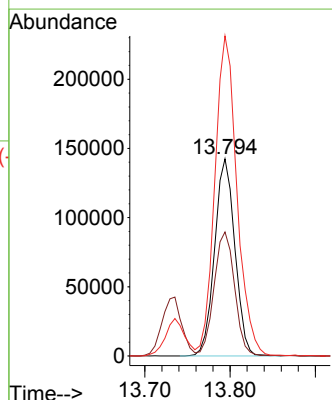
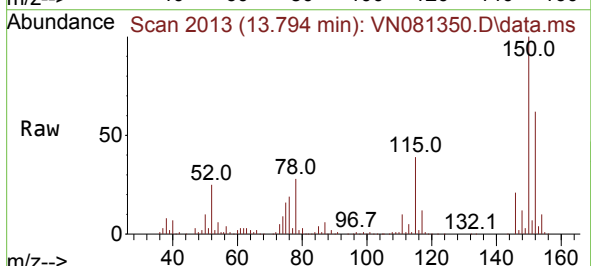
Tgt Ion:152 Resp: 235608

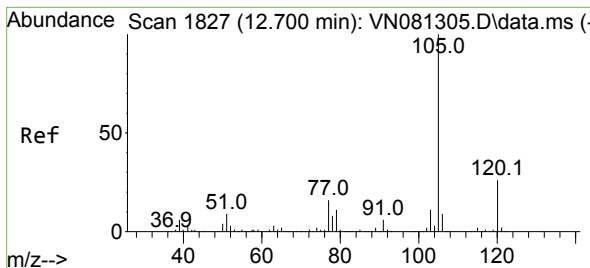
Ion Ratio Lower Upper

152 100

115 63.4 32.3 96.8

150 176.3 0.0 339.8





#73

Isopropylbenzene

Concen: 51.830 ug/l

RT: 12.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

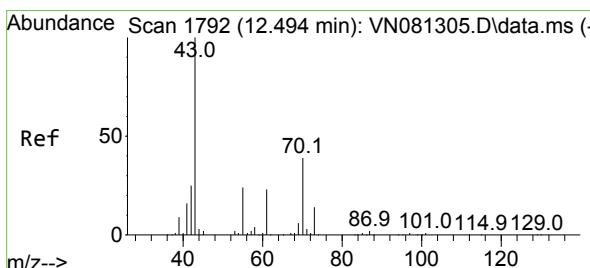
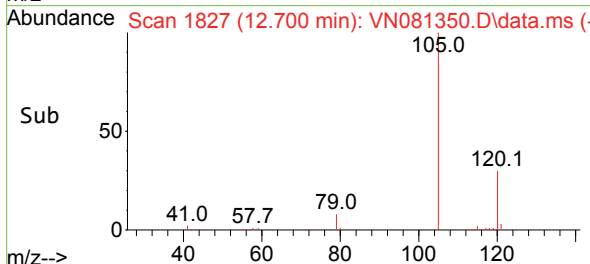
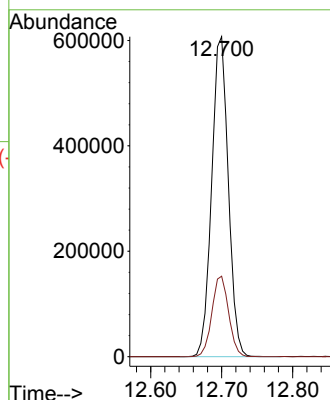
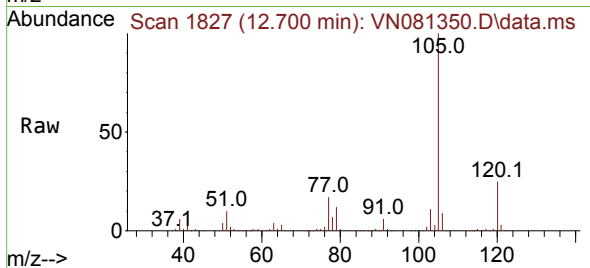
VSTDCCC050EC

Tgt Ion:105 Resp: 986090

Ion Ratio Lower Upper

105 100

120 25.3 12.6 37.6



#74

N-ethyl acetate

Concen: 51.325 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Tgt Ion: 43 Resp: 409716

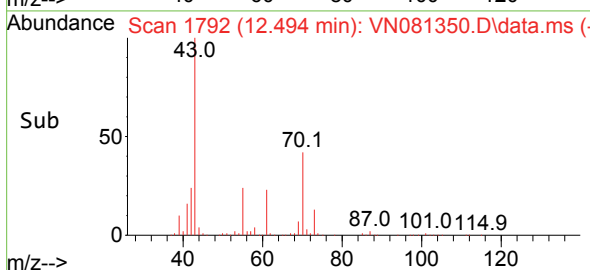
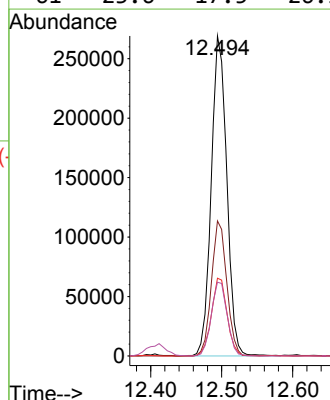
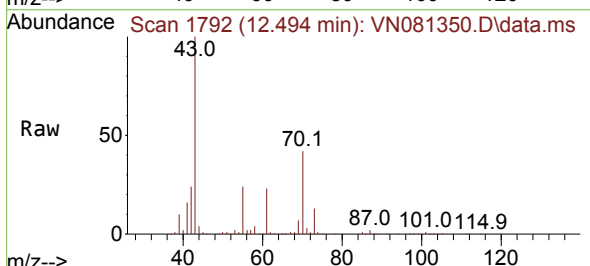
Ion Ratio Lower Upper

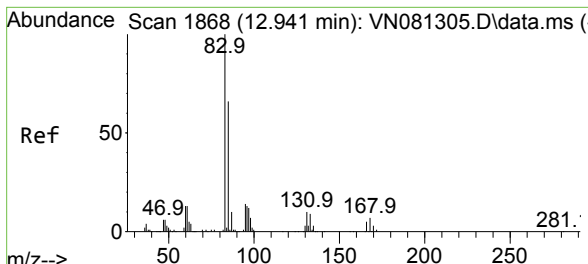
43 100

70 41.7 30.1 45.1

55 24.6 17.0 25.4

61 23.6 17.5 26.3

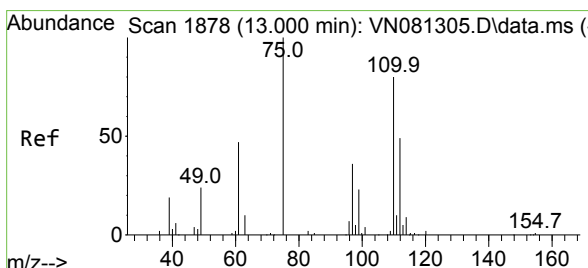
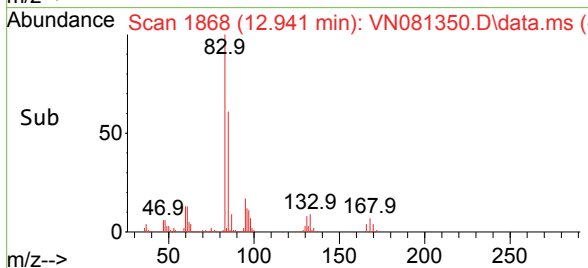
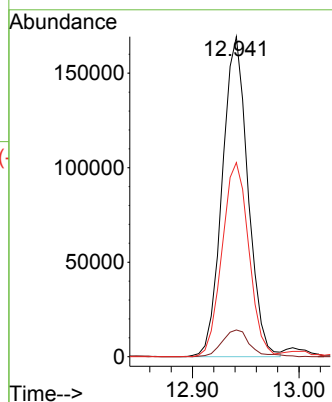
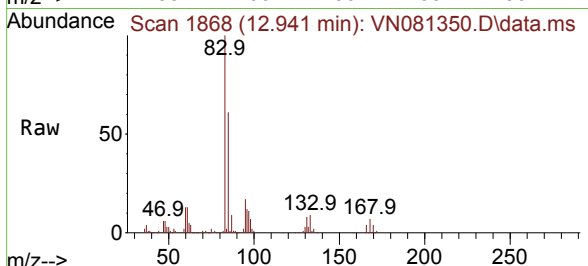




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 48.266 ug/l  
 RT: 12.941 min Scan# 1868  
 Delta R.T. 0.000 min  
 Lab File: VN081350.D  
 Acq: 08 Mar 2024 16:53

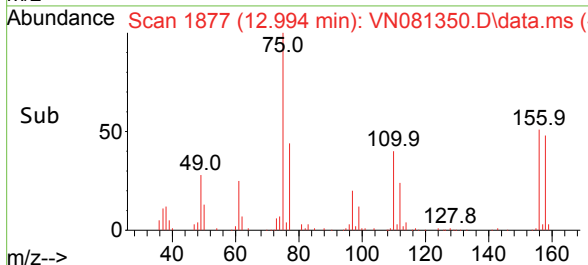
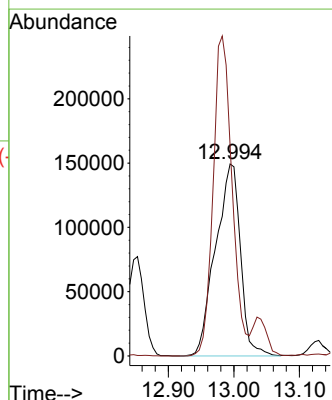
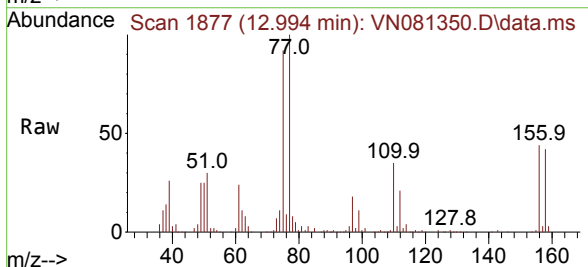
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

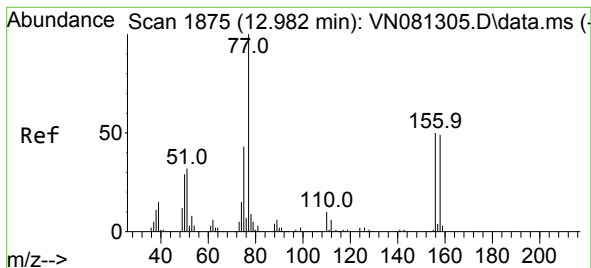
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 283388 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 9.2   | 4.1   | 12.3   |
| 85       | 63.3  | 32.1  | 96.3   |



#76  
 1,2,3-Trichloropropane  
 Concen: 70.700 ug/l  
 RT: 12.994 min Scan# 1877  
 Delta R.T. -0.006 min  
 Lab File: VN081350.D  
 Acq: 08 Mar 2024 16:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 393447 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 127.4 | 91.0  | 272.8  |





#77

Bromobenzene

Concen: 47.454 ug/l

RT: 12.982 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

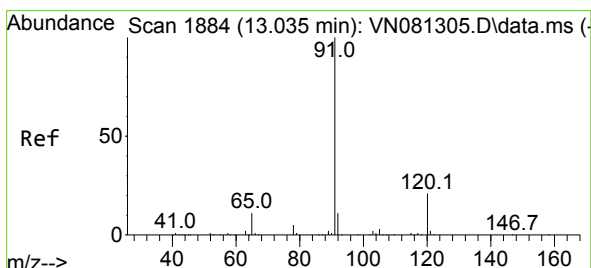
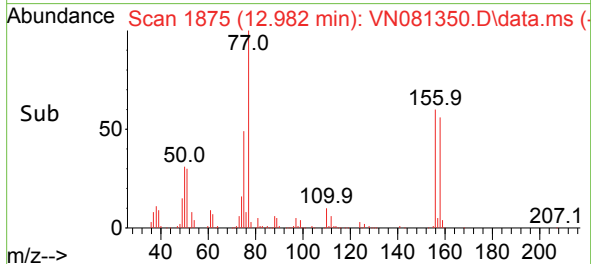
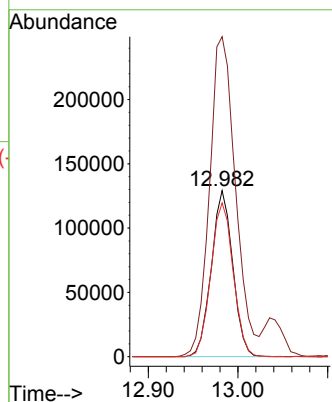
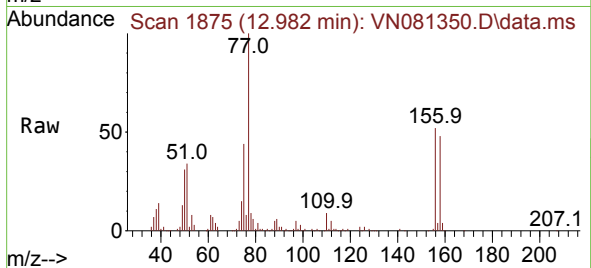
Tgt Ion:156 Resp: 214057

Ion Ratio Lower Upper

156 100

77 234.1 138.1 414.3

158 96.8 46.5 139.5



#78

n-propylbenzene

Concen: 52.329 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VN081350.D

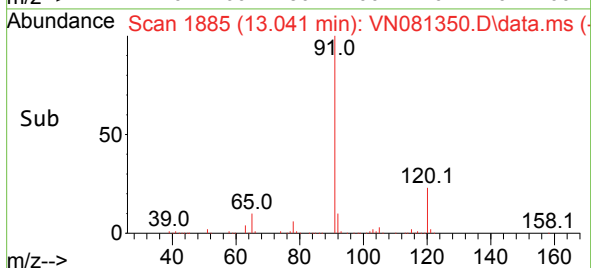
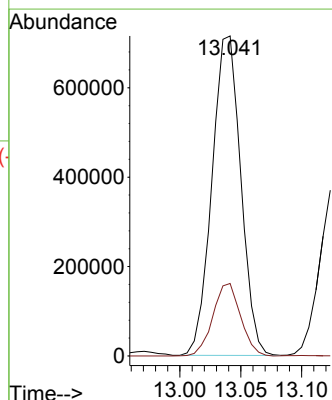
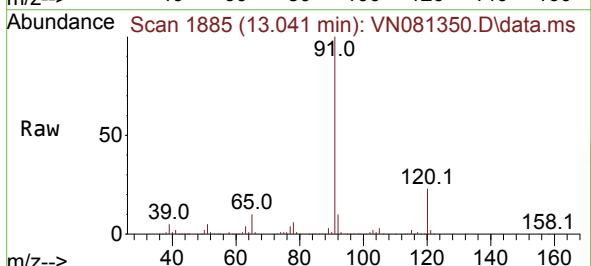
Acq: 08 Mar 2024 16:53

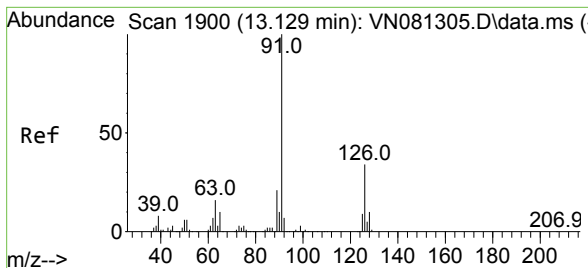
Tgt Ion: 91 Resp: 1177550

Ion Ratio Lower Upper

91 100

120 21.9 10.3 30.9

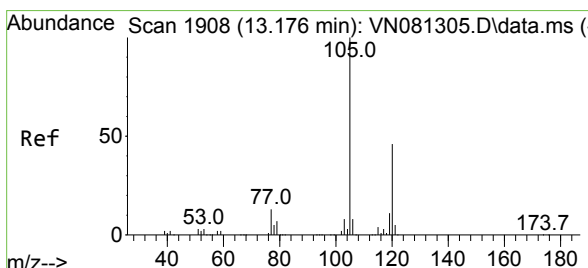
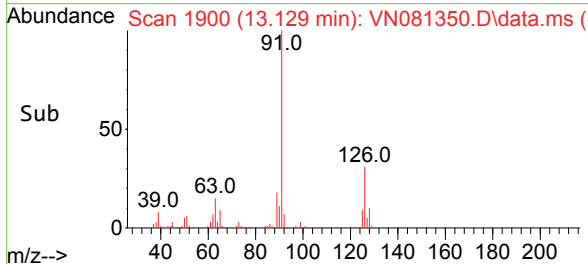
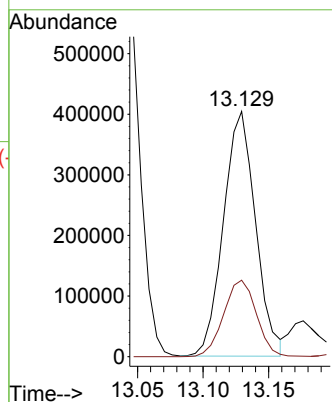
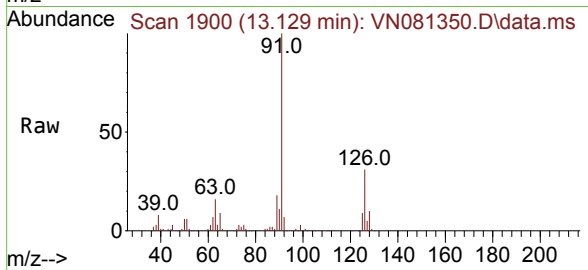




#79  
2-Chlorotoluene  
Concen: 50.036 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

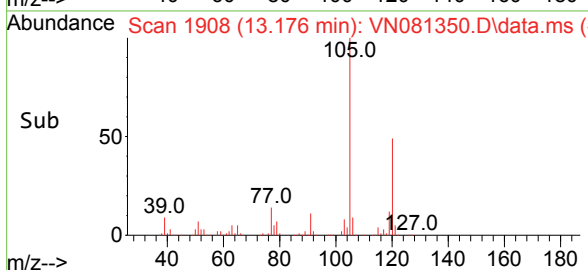
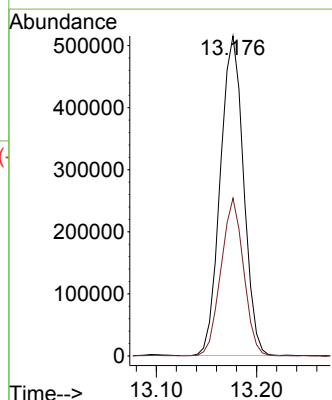
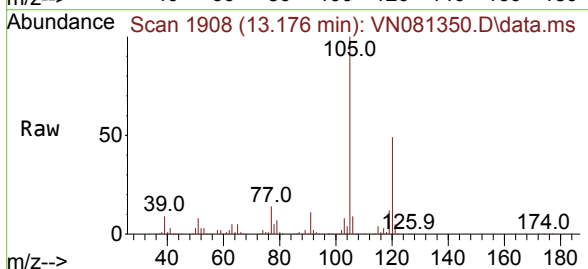
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

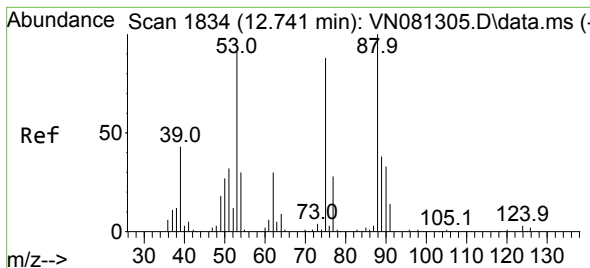
Tgt Ion: 91 Resp: 688232  
Ion Ratio Lower Upper  
91 100  
126 32.0 14.8 44.4



#80  
1,3,5-Trimethylbenzene  
Concen: 52.649 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion: 105 Resp: 828002  
Ion Ratio Lower Upper  
105 100  
120 47.9 23.0 69.0

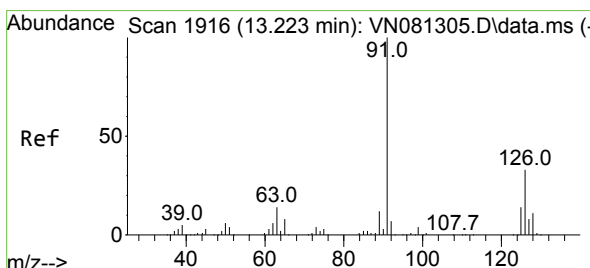
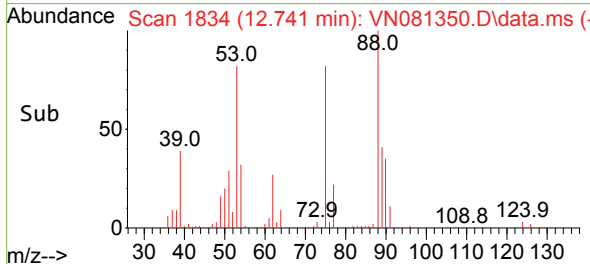
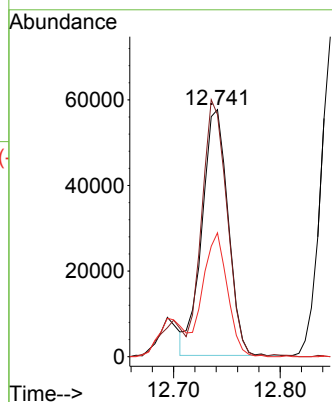
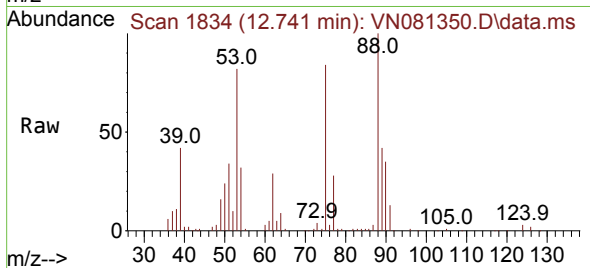




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.148 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

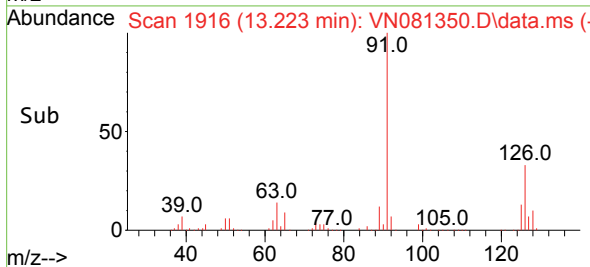
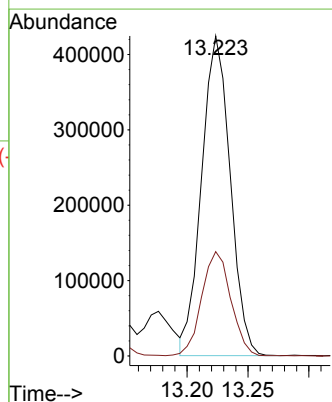
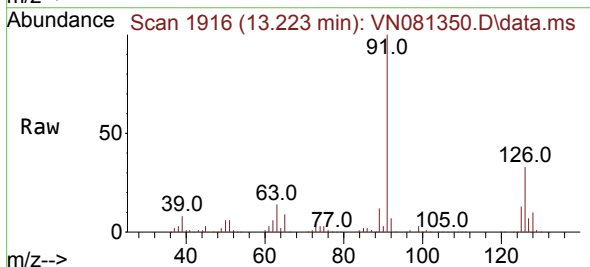
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

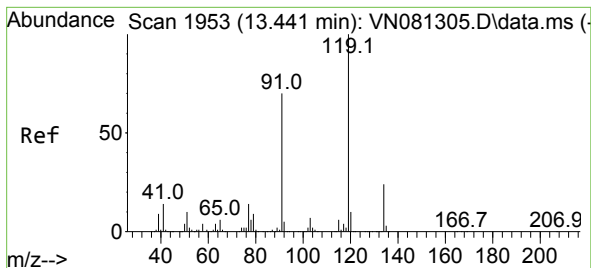
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 100.3 | 71.4  | 107.2 |
| 89      | 47.7  | 33.4  | 50.0  |



#82  
4-Chlorotoluene  
Concen: 51.027 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.4  | 15.3  | 45.9  |





#83

tert-Butylbenzene

Concen: 53.288 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

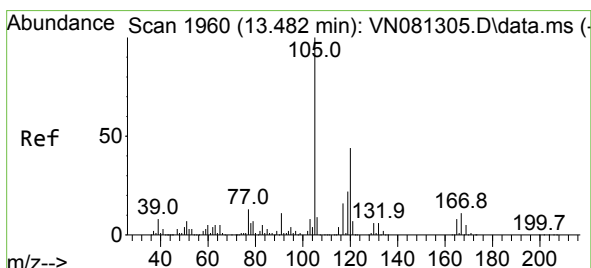
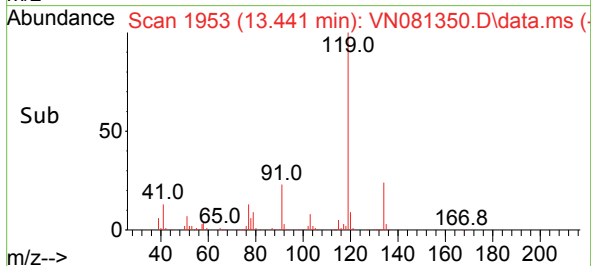
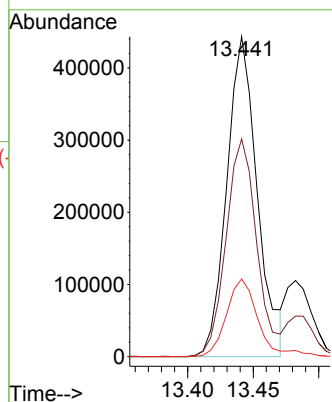
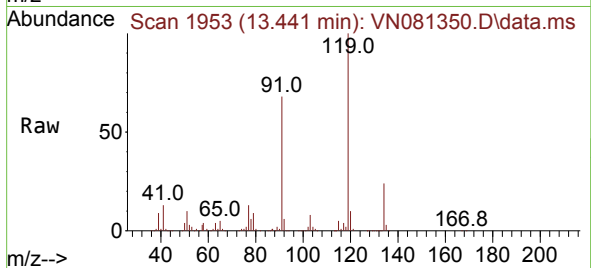
Tgt Ion:119 Resp: 718485

Ion Ratio Lower Upper

119 100

91 68.3 36.8 110.4

134 25.3 12.4 37.4



#84

1,2,4-Trimethylbenzene

Concen: 52.113 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN081350.D

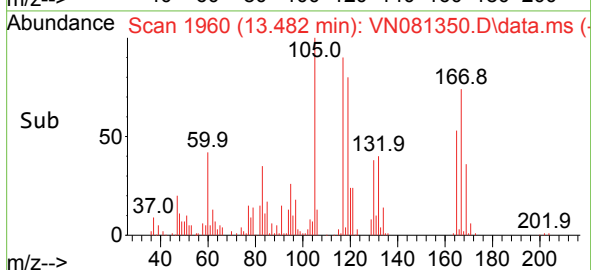
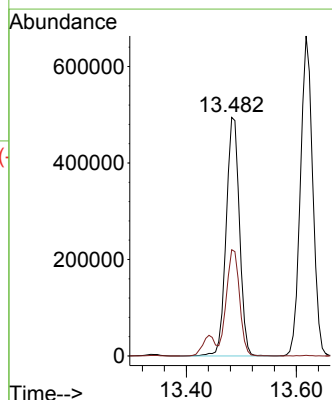
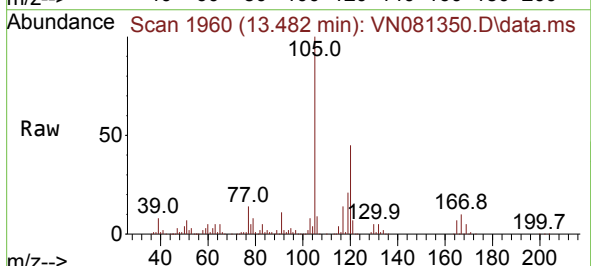
Acq: 08 Mar 2024 16:53

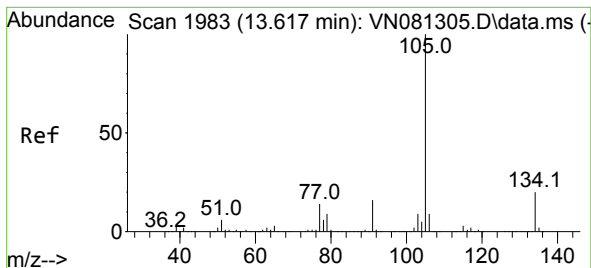
Tgt Ion:105 Resp: 830360

Ion Ratio Lower Upper

105 100

120 43.7 20.9 62.7





#85

sec-Butylbenzene

Concen: 52.682 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

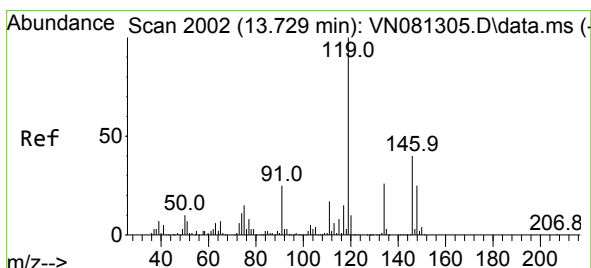
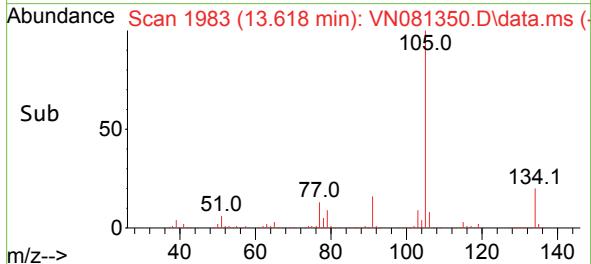
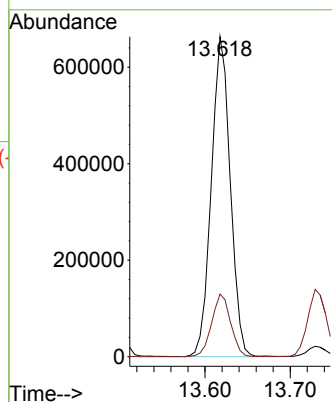
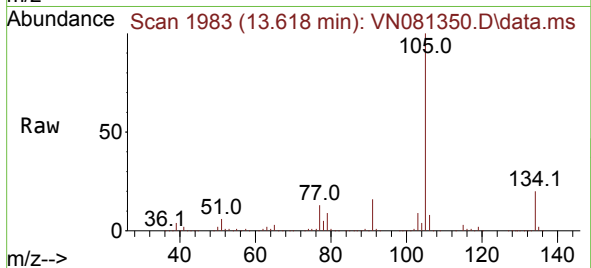
VSTDCCC050EC

Tgt Ion:105 Resp: 1027599

Ion Ratio Lower Upper

105 100

134 19.5 8.6 25.8



#86

p-Isopropyltoluene

Concen: 53.961 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

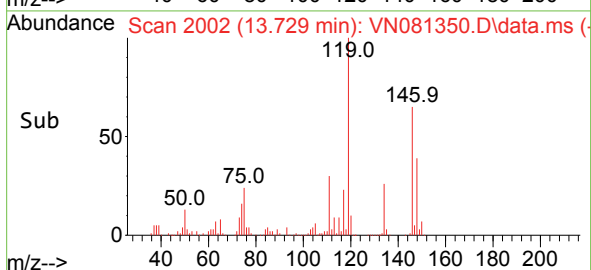
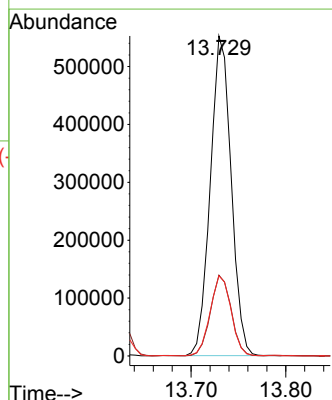
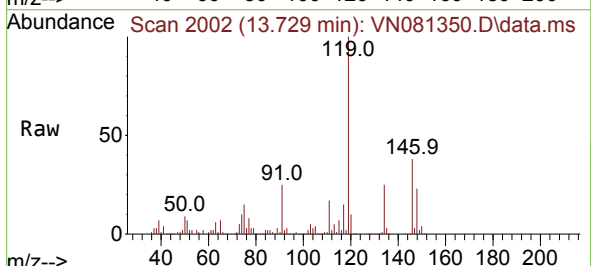
Tgt Ion:119 Resp: 844089

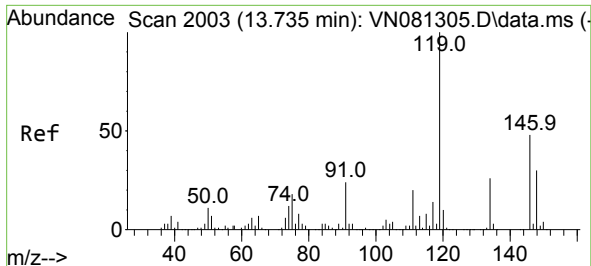
Ion Ratio Lower Upper

119 100

134 25.2 12.4 37.2

91 25.0 13.5 40.4

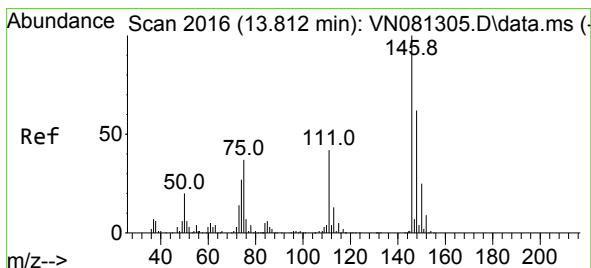
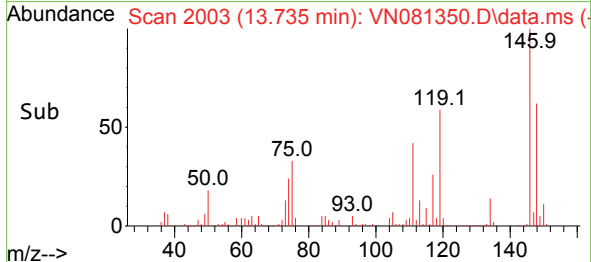
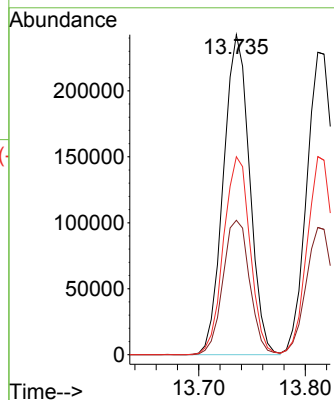
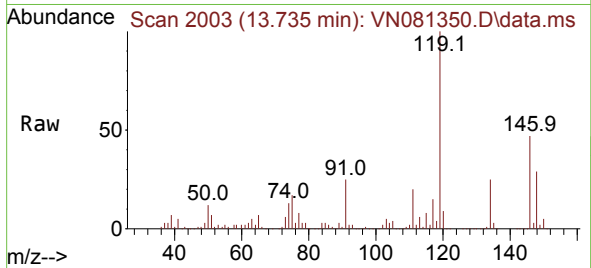




#87  
1,3-Dichlorobenzene  
Concen: 48.684 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

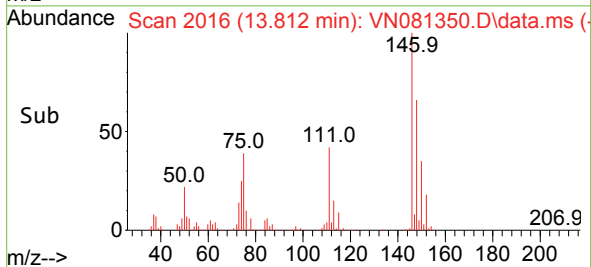
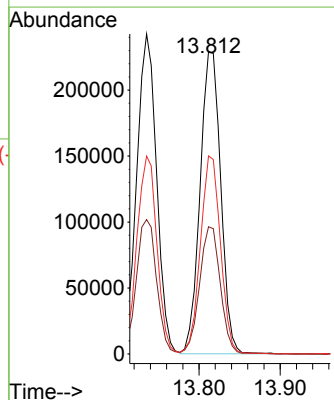
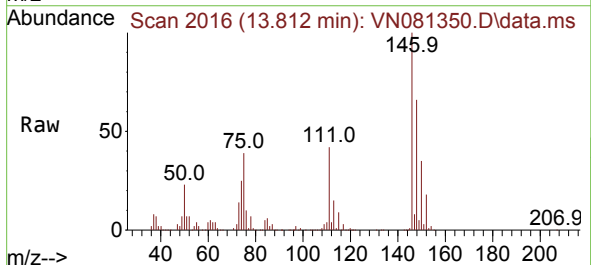
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

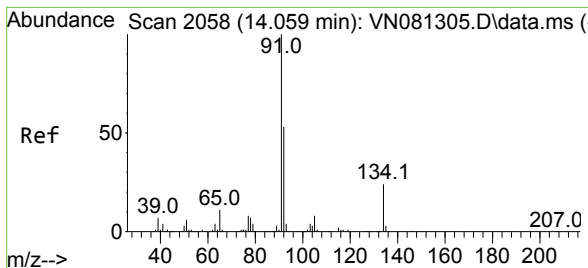
Tgt Ion:146 Resp: 414670  
Ion Ratio Lower Upper  
146 100  
111 42.9 23.9 71.7  
148 62.5 32.6 97.7



#88  
1,4-Dichlorobenzene  
Concen: 47.629 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN081350.D  
Acq: 08 Mar 2024 16:53

Tgt Ion:146 Resp: 405489  
Ion Ratio Lower Upper  
146 100  
111 41.9 22.6 67.7  
148 63.7 31.9 95.5





#89

n-Butylbenzene

Concen: 52.518 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

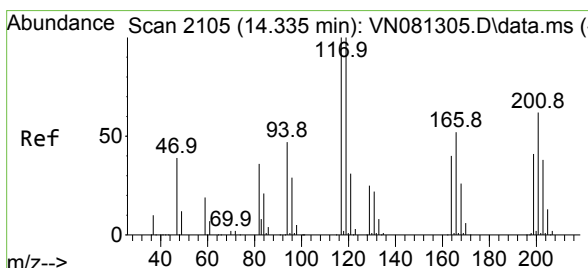
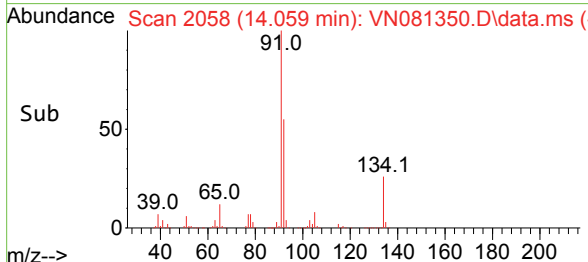
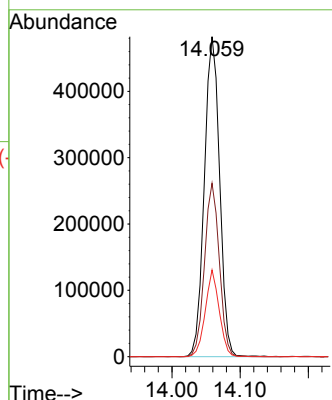
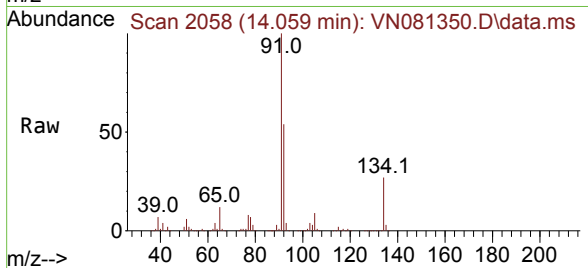
Tgt Ion: 91 Resp: 753381

Ion Ratio Lower Upper

91 100

92 52.4 26.7 80.1

134 24.7 10.8 32.4



#90

Hexachloroethane

Concen: 52.078 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN081350.D

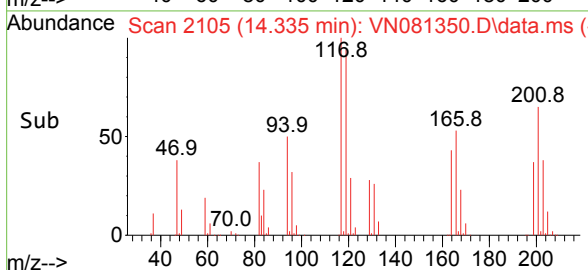
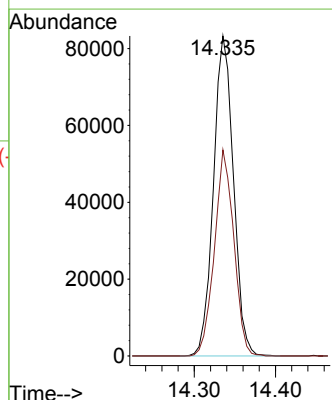
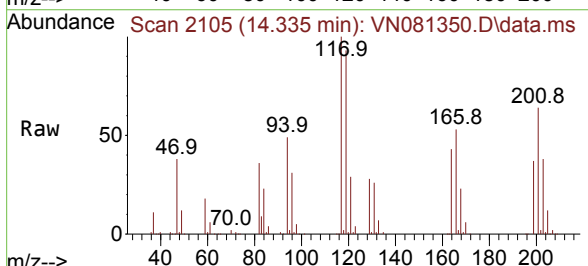
Acq: 08 Mar 2024 16:53

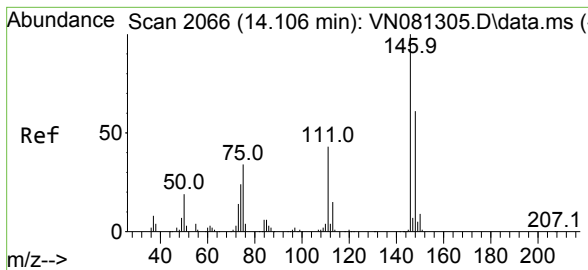
Tgt Ion: 117 Resp: 142625

Ion Ratio Lower Upper

117 100

201 62.4 30.0 90.0

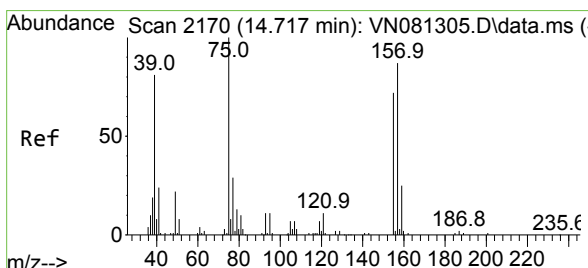
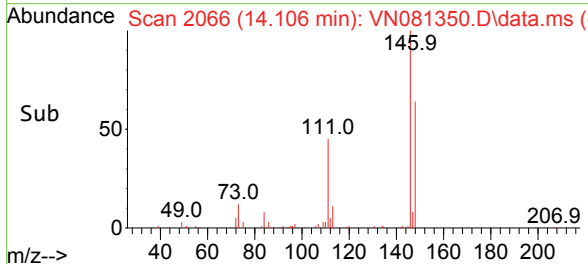
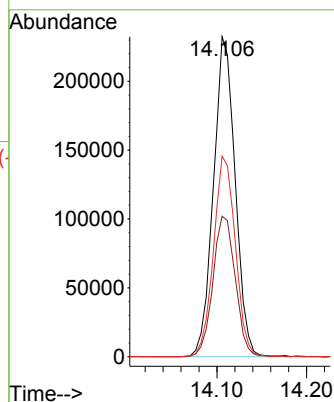
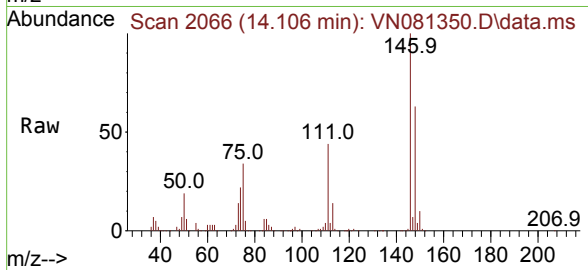




#91  
 1,2-Dichlorobenzene  
 Concen: 47.743 ug/l  
 RT: 14.106 min Scan# 2066  
 Delta R.T. 0.000 min  
 Lab File: VN081350.D  
 Acq: 08 Mar 2024 16:53

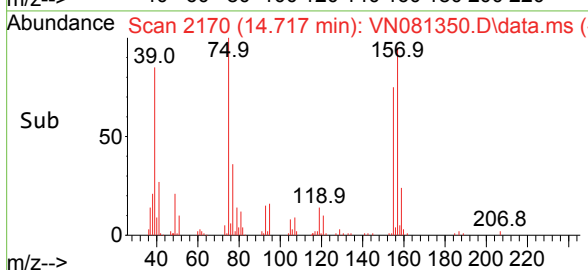
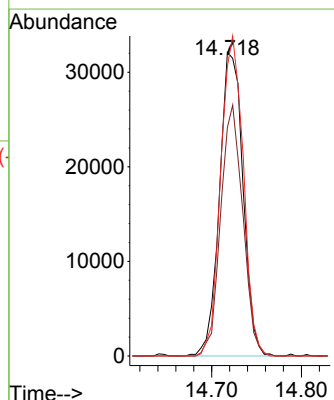
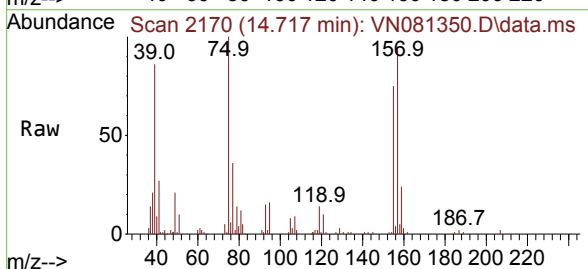
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

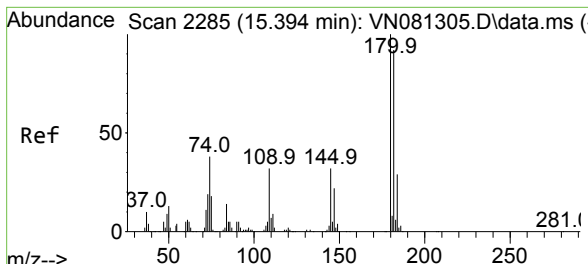
Tgt Ion:146 Resp: 390160  
 Ion Ratio Lower Upper  
 146 100  
 111 45.3 23.9 71.8  
 148 63.2 31.4 94.0



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 46.488 ug/l  
 RT: 14.717 min Scan# 2170  
 Delta R.T. 0.000 min  
 Lab File: VN081350.D  
 Acq: 08 Mar 2024 16:53

Tgt Ion: 75 Resp: 58410  
 Ion Ratio Lower Upper  
 75 100  
 155 77.6 31.8 95.4  
 157 101.0 41.1 123.4

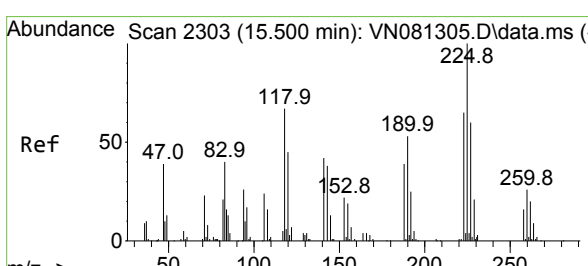
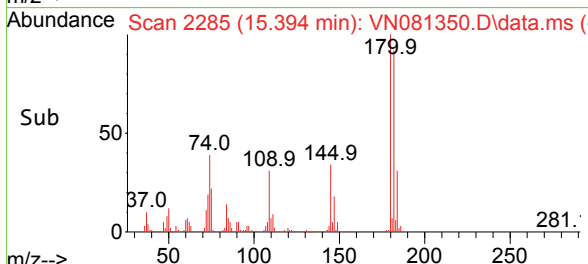
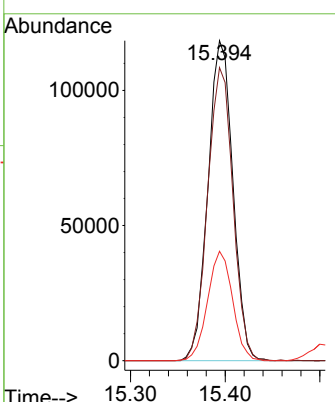
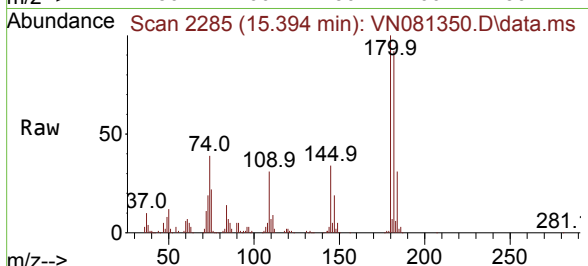




#93  
 1,2,4-Trichlorobenzene  
 Concen: 49.519 ug/l  
 RT: 15.394 min Scan# 2285  
 Delta R.T. 0.000 min  
 Lab File: VN081350.D  
 Acq: 08 Mar 2024 16:53

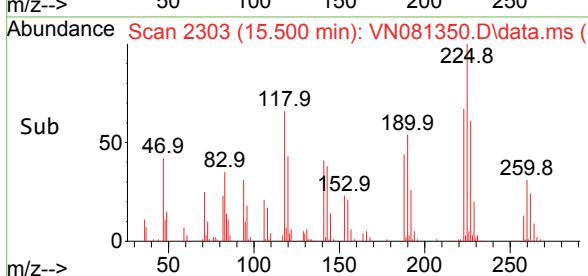
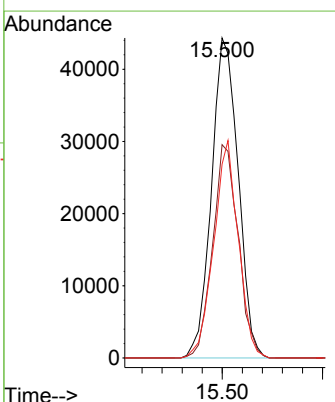
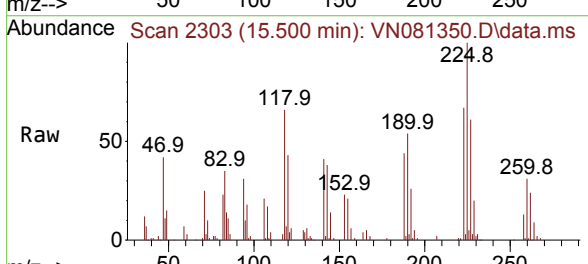
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

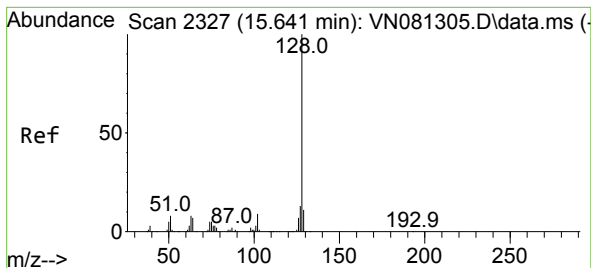
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 216308 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.2  | 46.6  | 139.7  |
| 145       | 34.2  | 16.8  | 50.3   |



#94  
 Hexachlorobutadiene  
 Concen: 45.383 ug/l  
 RT: 15.500 min Scan# 2303  
 Delta R.T. 0.000 min  
 Lab File: VN081350.D  
 Acq: 08 Mar 2024 16:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 81916 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 64.0  | 33.3  | 99.8  |
| 227       | 62.5  | 33.1  | 99.2  |





#95

Naphthalene

Concen: 50.778 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

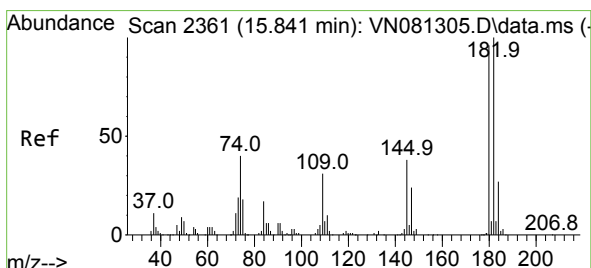
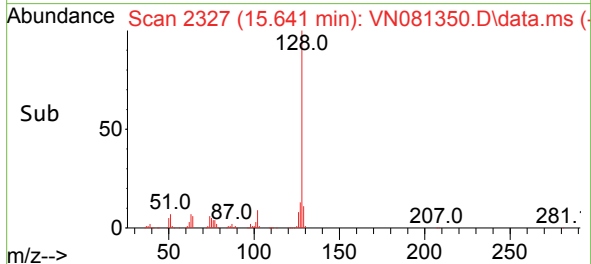
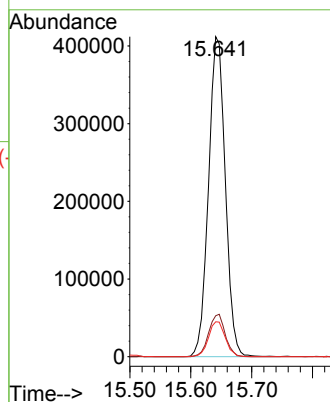
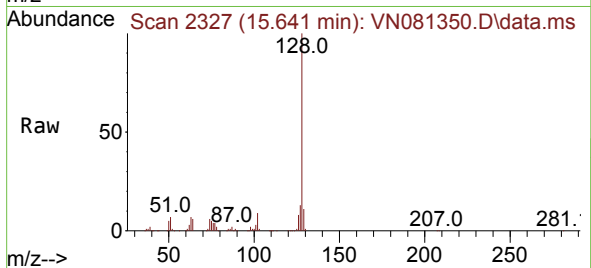
Tgt Ion:128 Resp: 789269

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 49.698 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN081350.D

Acq: 08 Mar 2024 16:53

Tgt Ion:180 Resp: 220157

Ion Ratio Lower Upper

180 100

182 93.8 46.5 139.3

145 34.9 17.8 53.4

