

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071224\  
 Data File : VN082913.D  
 Acq On : 12 Jul 2024 20:43  
 Operator : JC\MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Jul 15 01:21:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 13:46:04 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 124588   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 222461   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 209020   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 97525    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 99747    | 57.113   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 114.220% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 77357    | 54.191   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 108.380% |      |
| 50) Toluene-d8              | 10.571 | 98    | 293819   | 55.728   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 111.460% |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 104261   | 55.052   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | = 110.100% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 83294  | 51.640  | ug/l   | 99  |
| 3) Chloromethane             | 2.359 | 50  | 73365  | 47.961  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.512 | 62  | 81324  | 50.621  | ug/l   | 98  |
| 5) Bromomethane              | 2.936 | 94  | 47661  | 41.147  | ug/l   | 100 |
| 6) Chloroethane              | 3.106 | 64  | 57556  | 52.353  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.489 | 101 | 108328 | 46.882  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.959 | 74  | 38961  | 49.268  | ug/l   | 82  |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 68202  | 52.151  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.589 | 142 | 68636  | 51.191  | ug/l   | 96  |
| 11) Tert butyl alcohol       | 5.524 | 59  | 75808  | 258.073 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 4.336 | 96  | 65441  | 51.454  | ug/l   | 89  |
| 13) Acrolein                 | 4.177 | 56  | 66132  | 311.830 | ug/l   | 99  |
| 14) Allyl chloride           | 5.018 | 41  | 110264 | 55.603  | ug/l   | 89  |
| 15) Acrylonitrile            | 5.724 | 53  | 192717 | 285.475 | ug/l   | 99  |
| 16) Acetone                  | 4.430 | 43  | 161928 | 263.346 | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.712 | 76  | 179392 | 47.203  | ug/l   | 100 |
| 18) Methyl Acetate           | 5.024 | 43  | 94434  | 58.040  | ug/l   | 92  |
| 19) Methyl tert-butyl Ether  | 5.794 | 73  | 234190 | 53.380  | ug/l   | 98  |
| 20) Methylene Chloride       | 5.277 | 84  | 76713  | 51.660  | ug/l # | 82  |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 70080  | 50.853  | ug/l   | 90  |
| 22) Diisopropyl ether        | 6.671 | 45  | 243125 | 58.603  | ug/l   | 98  |
| 23) Vinyl Acetate            | 6.606 | 43  | 981937 | 298.041 | ug/l # | 94  |
| 24) 1,1-Dichloroethane       | 6.571 | 63  | 139233 | 55.328  | ug/l   | 97  |
| 25) 2-Butanone               | 7.482 | 43  | 261944 | 282.131 | ug/l   | 93  |
| 26) 2,2-Dichloropropane      | 7.488 | 77  | 100699 | 43.038  | ug/l   | 94  |
| 27) cis-1,2-Dichloroethene   | 7.488 | 96  | 87303  | 54.112  | ug/l   | 87  |
| 28) Bromochloromethane       | 7.812 | 49  | 56617  | 52.444  | ug/l   | 85  |
| 29) Tetrahydrofuran          | 7.841 | 42  | 170758 | 292.140 | ug/l # | 86  |
| 30) Chloroform               | 7.965 | 83  | 144707 | 54.203  | ug/l   | 99  |
| 31) Cyclohexane              | 8.259 | 56  | 109249 | 47.847  | ug/l   | 95  |
| 32) 1,1,1-Trichloroethane    | 8.171 | 97  | 127796 | 51.558  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 99639  | 50.627  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.565 | 43  | 107221 | 53.511  | ug/l   | 95  |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 115366 | 48.684  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.600 | 83  | 99113  | 46.621  | ug/l   | 93  |
| 40) Benzene                  | 8.606 | 78  | 313191 | 51.733  | ug/l   | 99  |

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 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Jul 15 01:21:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 13:46:04 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.782  | 41   | 59183    | 54.825   | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 110332   | 50.624   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 251827   | 67.704   | ug/l   | 96       |
| 44) Trichloroethene           | 9.353  | 130  | 70716    | 45.594   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 77706    | 54.979   | ug/l   | 99       |
| 46) Dibromomethane            | 9.712  | 93   | 56758    | 51.547   | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.888  | 83   | 117164   | 51.498   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.682  | 41   | 84292    | 53.650   | ug/l # | 90       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 36838    | 1079.928 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 562583   | 283.210  | ug/l   | 92       |
| 52) Toluene                   | 10.629 | 92   | 197999   | 52.356   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 118414   | 50.523   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 124210   | 50.068   | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 75682    | 54.423   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 125524   | 58.018   | ug/l   | 87       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 131134   | 53.272   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 326923   | 294.481  | ug/l   | 96       |
| 59) 2-Hexanone                | 11.194 | 43   | 430161   | 291.261  | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.365 | 129  | 92069    | 51.981   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 77313    | 52.352   | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.106 | 164  | 62401    | 40.015   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.894 | 112  | 217181   | 48.489   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 78876    | 49.509   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 380453   | 50.540   | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.070 | 106  | 293719   | 103.348  | ug/l   | 96       |
| 69) o-Xylene                  | 12.400 | 106  | 139857   | 51.358   | ug/l   | 95       |
| 70) Styrene                   | 12.412 | 104  | 244687   | 54.381   | ug/l   | 98       |
| 71) Bromoform                 | 12.576 | 173  | 64987    | 51.868   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.700 | 105  | 354357   | 50.004   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 169955   | 57.980   | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 114592   | 53.992   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 149030   | 88.635   | ug/l   | 42       |
| 77) Bromobenzene              | 12.982 | 156  | 87689    | 47.964   | ug/l   | 98       |
| 78) n-propylbenzene           | 13.035 | 91   | 411008   | 50.443   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 256566   | 49.420   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 292932   | 51.138   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 45471    | 53.187   | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 256012   | 49.821   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 250263   | 49.280   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 299936   | 51.373   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.617 | 105  | 344561   | 50.209   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 289378   | 50.541   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 161774   | 48.983   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.811 | 146  | 160585   | 47.016   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 236859   | 48.286   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 58415    | 48.216   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 154548   | 48.196   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 23385    | 47.627   | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 77689    | 44.978   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 31971    | 41.753   | ug/l   | 99       |
| 95) Naphthalene               | 15.641 | 128  | 297998   | 50.372   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 80435    | 45.291   | ug/l   | 98       |

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Data File : VN082913.D  
Acq On : 12 Jul 2024 20:43  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Jul 15 01:21:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 08 13:46:04 2024  
Response via : Initial Calibration

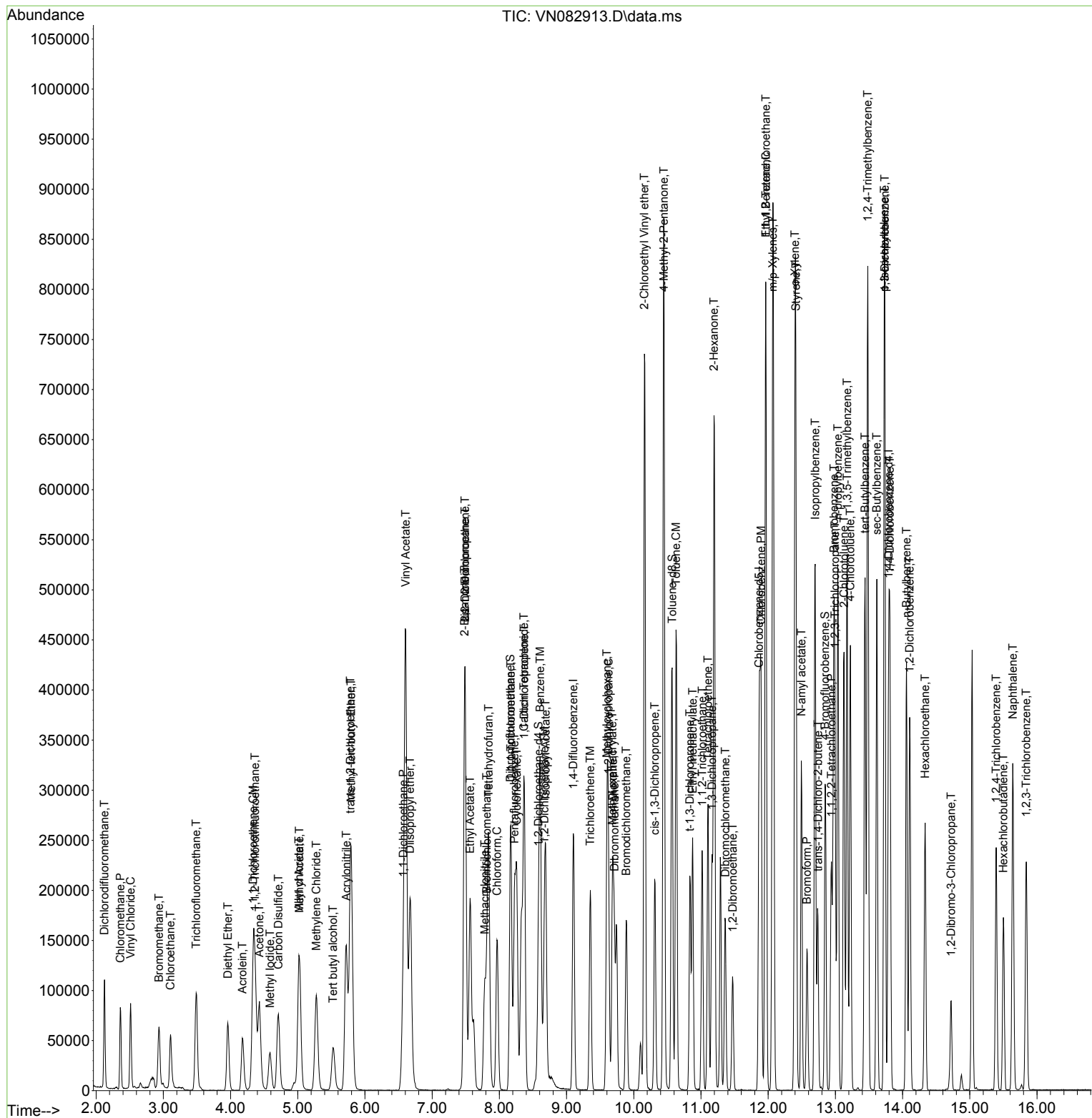
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

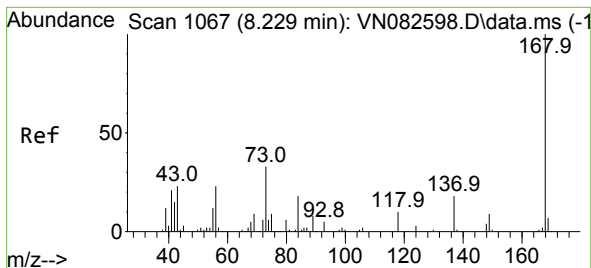
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071224\  
Data File : VN082913.D  
Acq On : 12 Jul 2024 20:43  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Jul 15 01:21:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 08 13:46:04 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.005 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

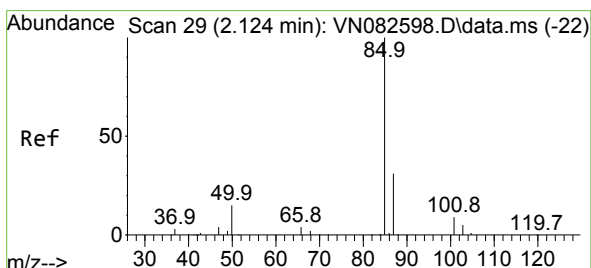
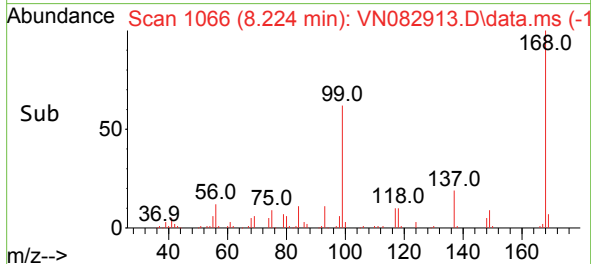
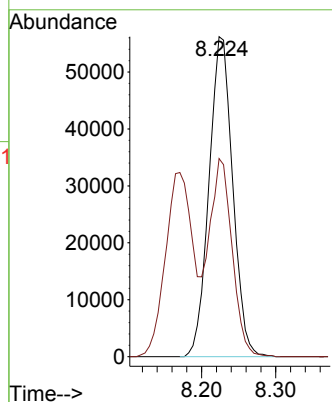
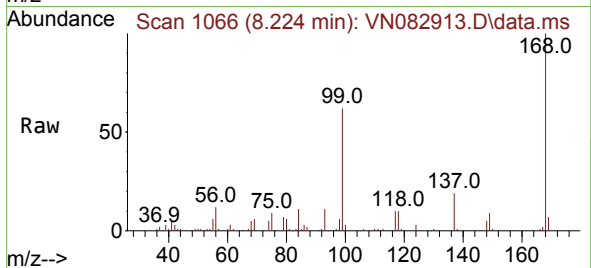
VSTDCCC050EC

Tgt Ion:168 Resp: 124588

Ion Ratio Lower Upper

168 100

99 61.9 48.2 72.4



#2

Dichlorodifluoromethane

Concen: 51.640 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.000 min

Lab File: VN082913.D

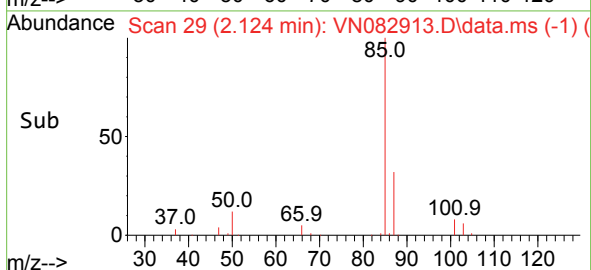
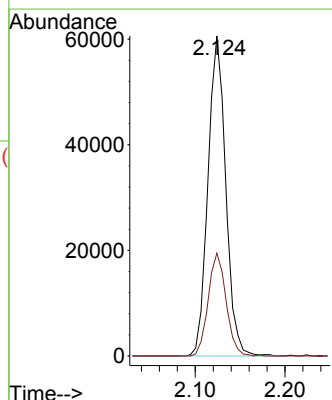
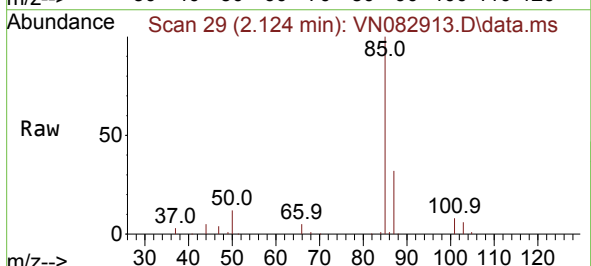
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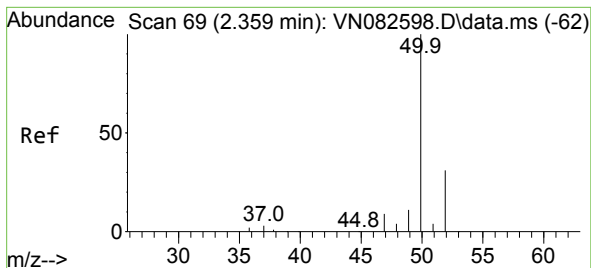
Tgt Ion: 85 Resp: 83294

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.0





#3

Chloromethane

Concen: 47.961 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

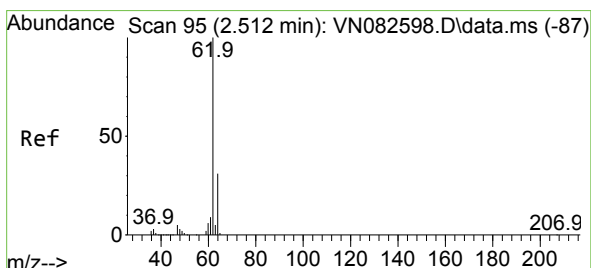
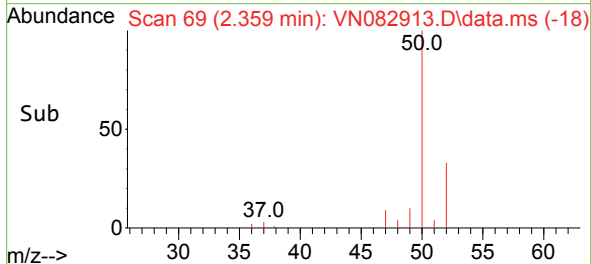
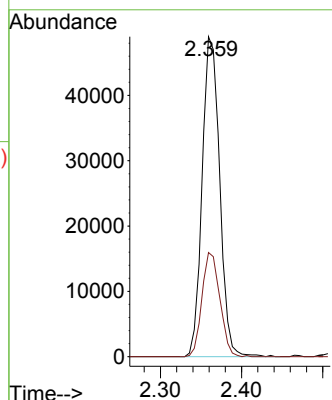
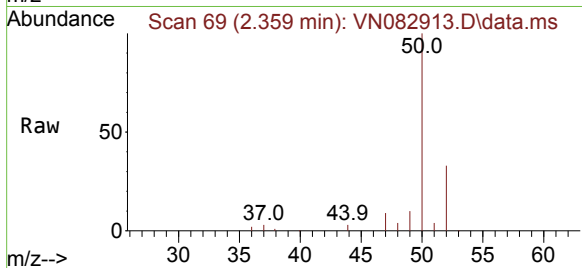
VSTDCCC050EC

Tgt Ion: 50 Resp: 73365

Ion Ratio Lower Upper

50 100

52 32.5 25.0 37.4



#4

Vinyl Chloride

Concen: 50.621 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN082913.D

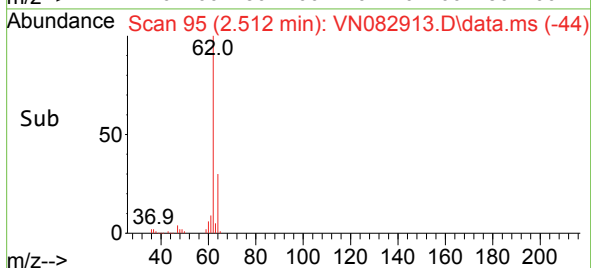
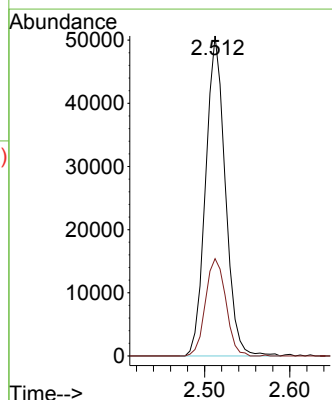
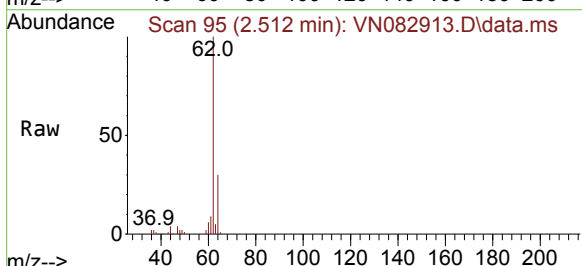
Acq: 12 Jul 2024 20:43

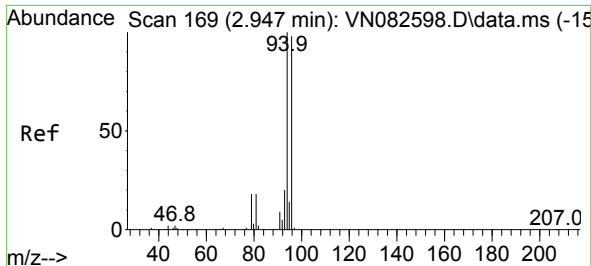
Tgt Ion: 62 Resp: 81324

Ion Ratio Lower Upper

62 100

64 30.4 25.0 37.6

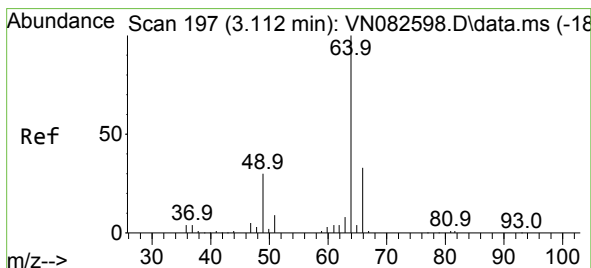
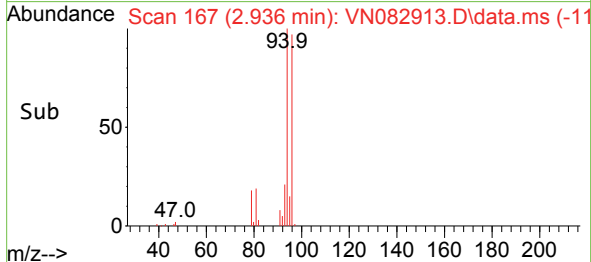
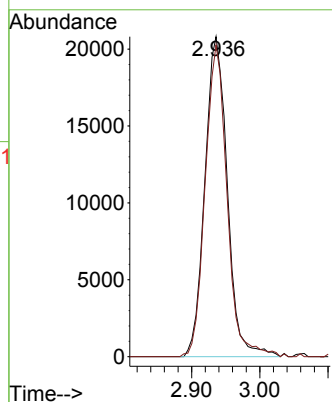
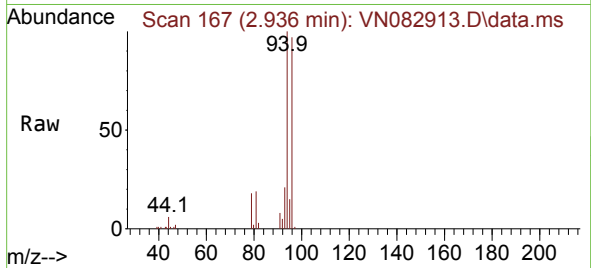




#5  
Bromomethane  
Concen: 41.147 ug/l  
RT: 2.936 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

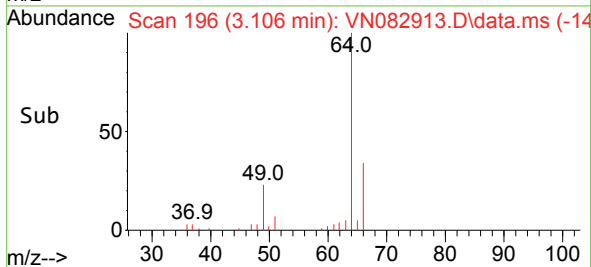
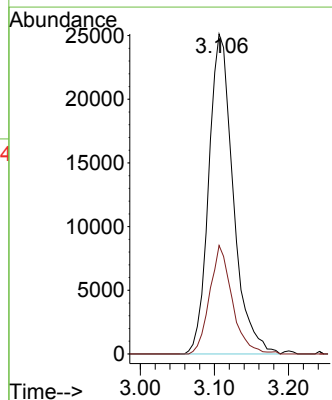
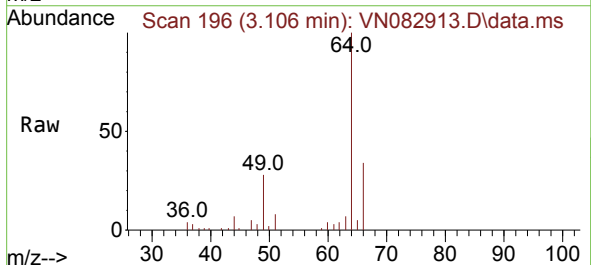
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

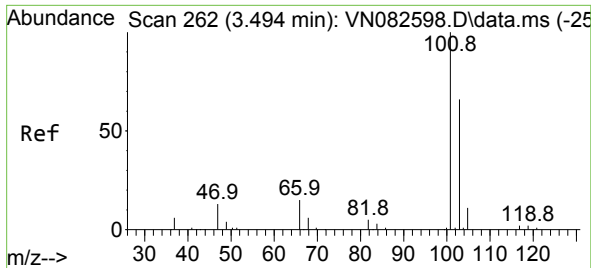
Tgt Ion: 94 Resp: 47661  
Ion Ratio Lower Upper  
94 100  
96 97.4 78.0 117.0



#6  
Chloroethane  
Concen: 52.353 ug/l  
RT: 3.106 min Scan# 196  
Delta R.T. -0.006 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 64 Resp: 57556  
Ion Ratio Lower Upper  
64 100  
66 33.9 26.6 40.0

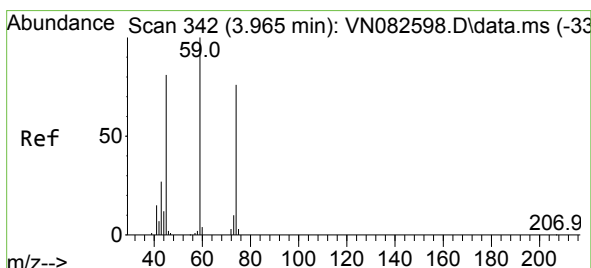
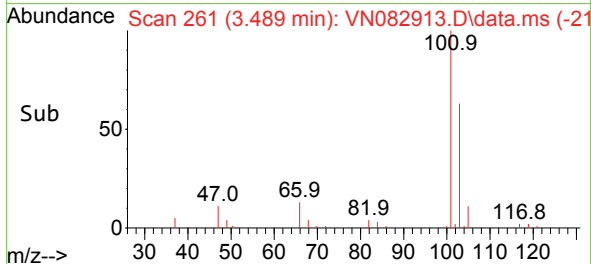
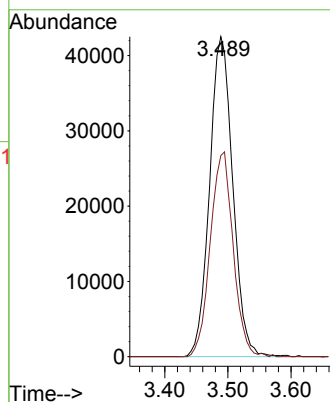
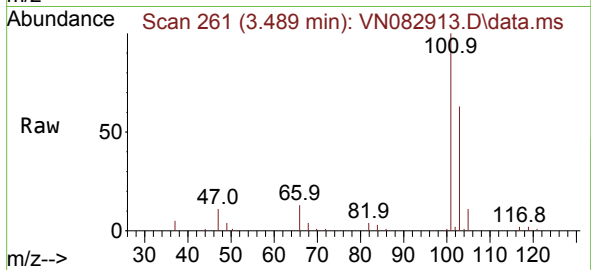




#7  
Trichlorofluoromethane  
Concen: 46.882 ug/l  
RT: 3.489 min Scan# 210  
Delta R.T. -0.005 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

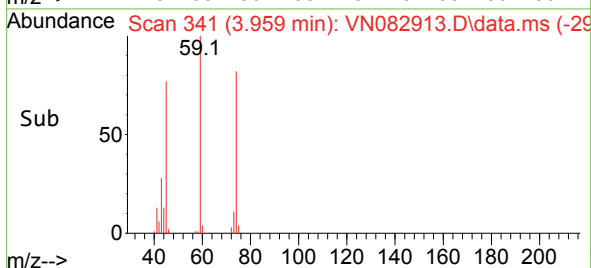
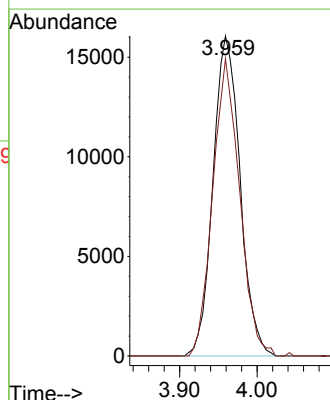
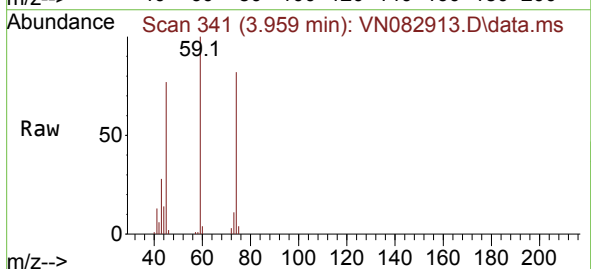
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

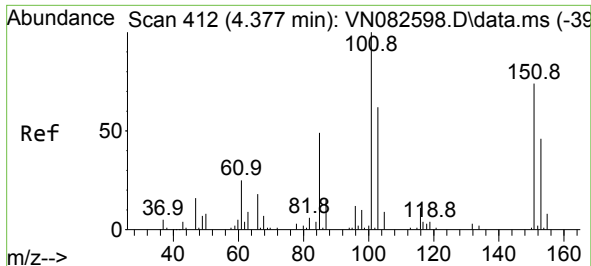
Tgt Ion:101 Resp: 108328  
Ion Ratio Lower Upper  
101 100  
103 62.8 52.7 79.1



#8  
Diethyl Ether  
Concen: 49.268 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. -0.006 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 74 Resp: 38961  
Ion Ratio Lower Upper  
74 100  
45 92.3 55.5 166.3

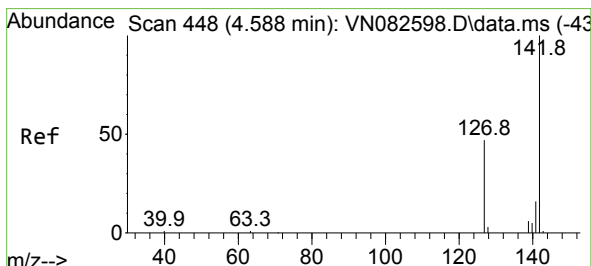
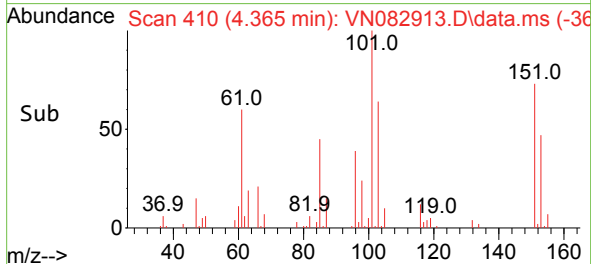
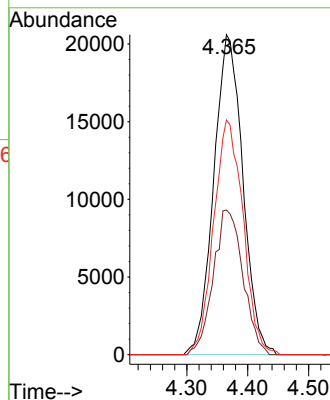
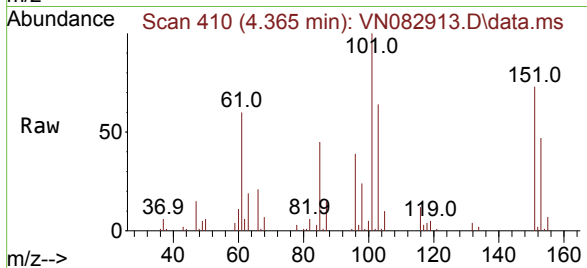




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 52.151 ug/l  
RT: 4.365 min Scan# 412  
Delta R.T. -0.012 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

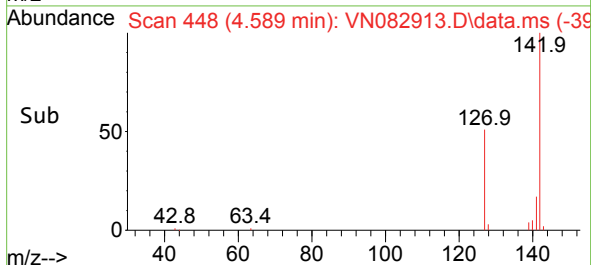
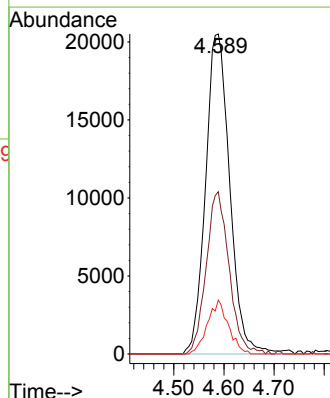
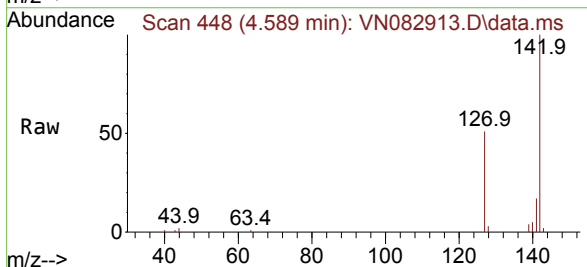
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

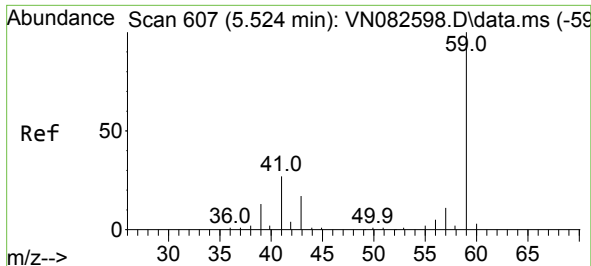
Tgt Ion:101 Resp: 68202  
Ion Ratio Lower Upper  
101 100  
85 46.3 38.3 57.5  
151 74.2 59.3 88.9



#10  
Methyl Iodide  
Concen: 51.191 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.001 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion:142 Resp: 68636  
Ion Ratio Lower Upper  
142 100  
127 50.7 37.5 56.3  
141 16.8 13.1 19.7

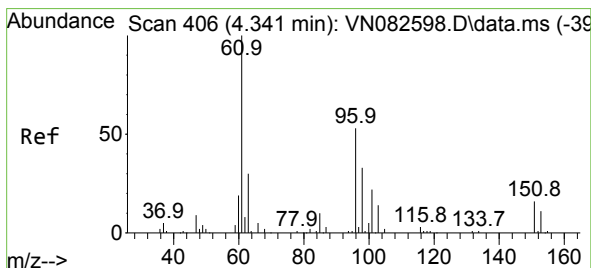
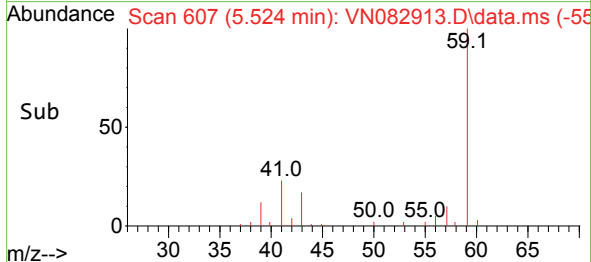
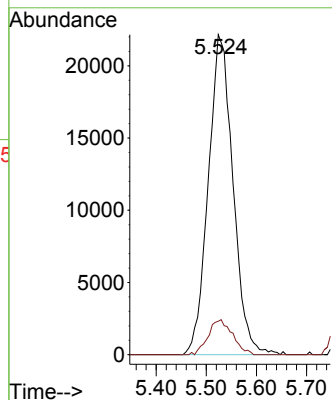
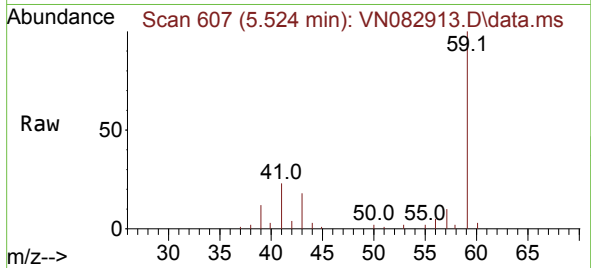




#11  
Tert butyl alcohol  
Concen: 258.073 ug/l  
RT: 5.524 min Scan# 607  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

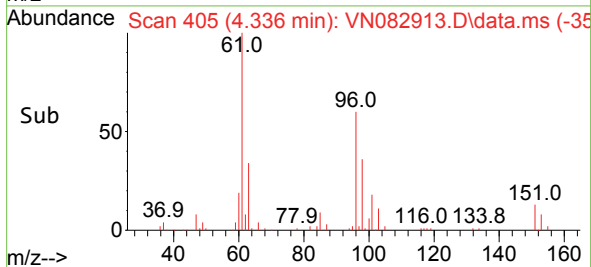
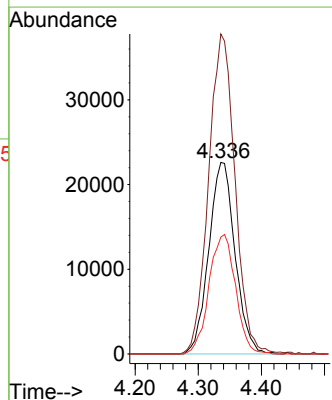
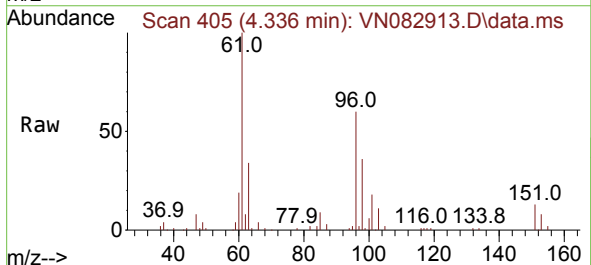
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

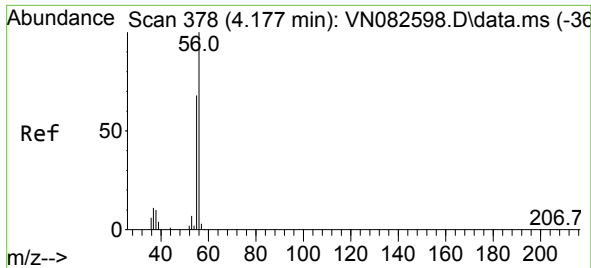
Tgt Ion: 59 Resp: 75808  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.9 13.3



#12  
1,1-Dichloroethene  
Concen: 51.454 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. -0.005 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 96 Resp: 65441  
Ion Ratio Lower Upper  
96 100  
61 167.1 149.7 224.5  
98 61.0 50.1 75.1

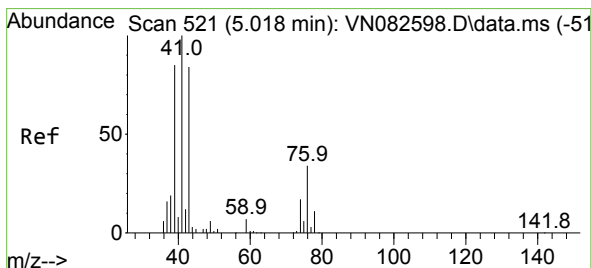
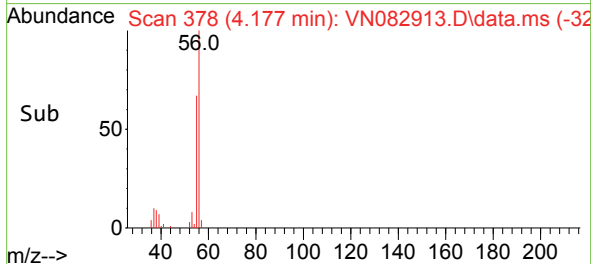
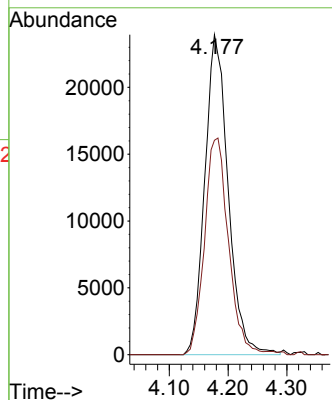
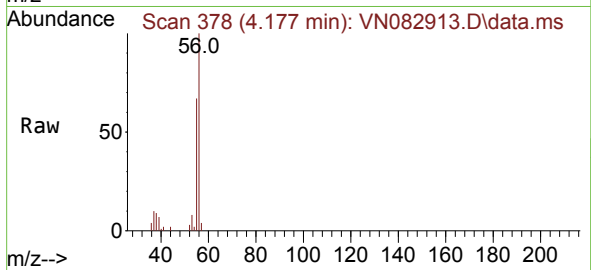




#13  
Acrolein  
Concen: 311.830 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

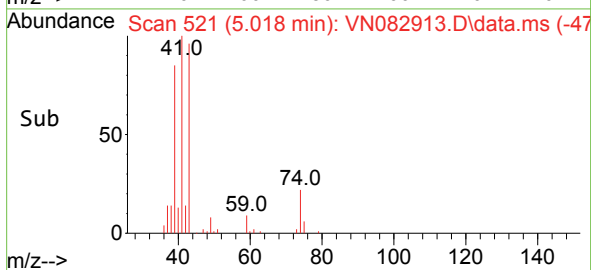
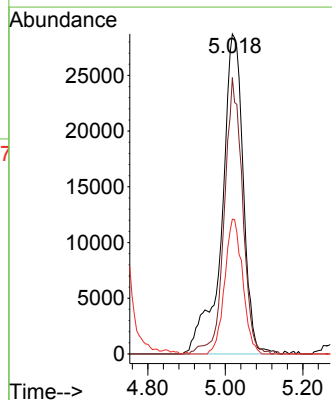
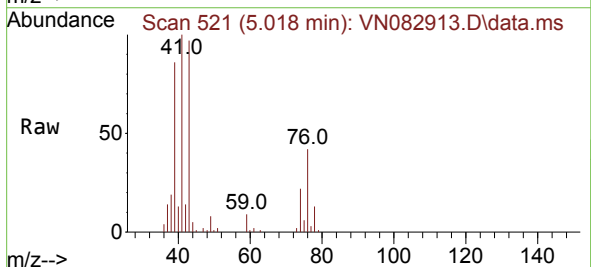
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

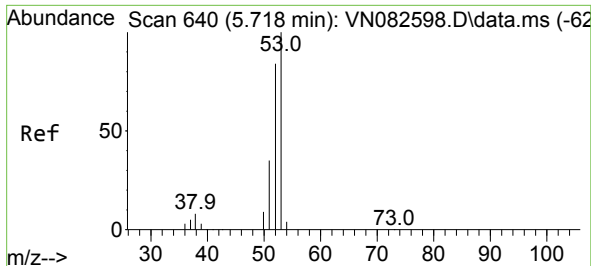
Tgt Ion: 56 Resp: 66132  
Ion Ratio Lower Upper  
56 100  
55 69.8 56.4 84.6



#14  
Allyl chloride  
Concen: 55.603 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 41 Resp: 110264  
Ion Ratio Lower Upper  
41 100  
39 73.2 67.8 101.6  
76 35.4 25.8 38.8

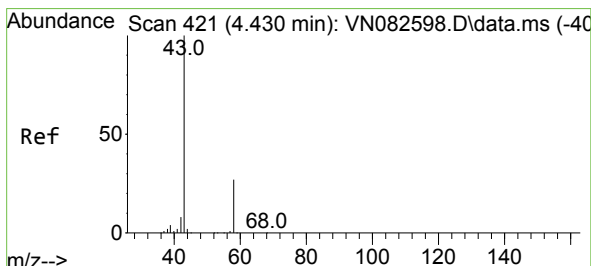
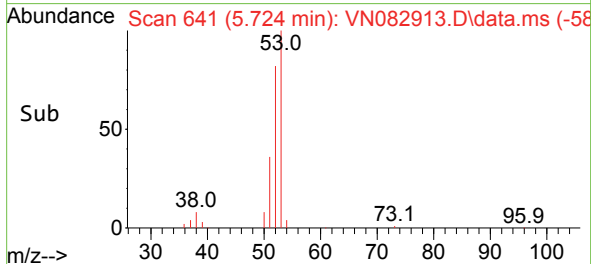
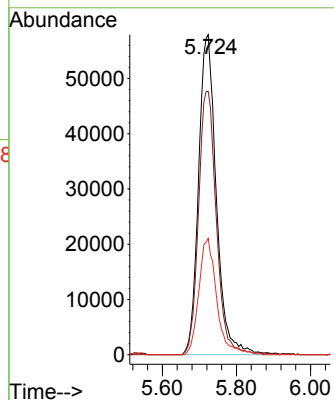
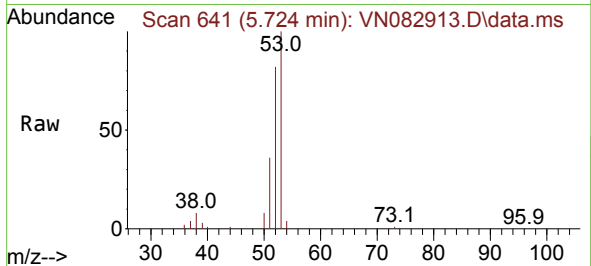




#15  
Acrylonitrile  
Concen: 285.475 ug/l  
RT: 5.724 min Scan# 641  
Delta R.T. 0.006 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

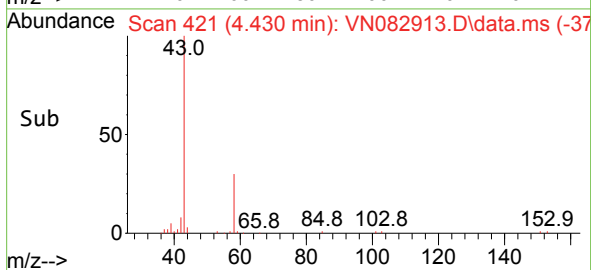
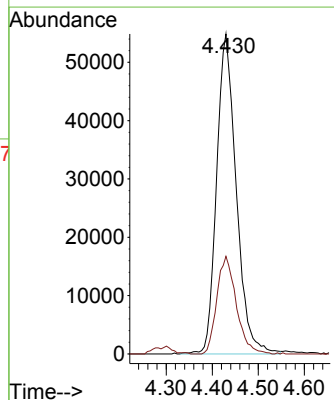
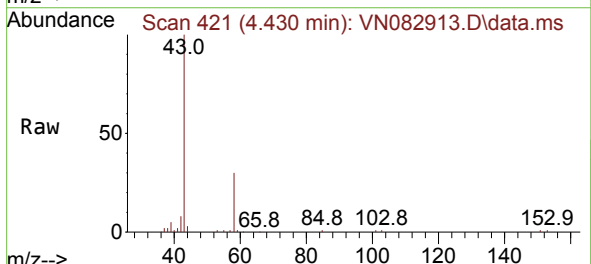
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

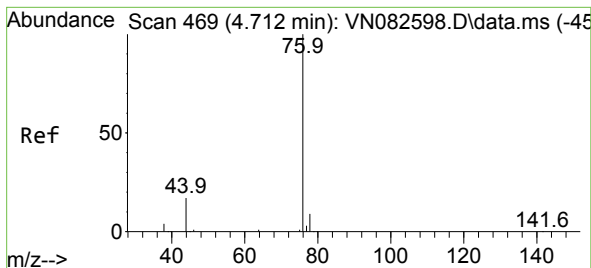
Tgt Ion: 53 Resp: 192717  
Ion Ratio Lower Upper  
53 100  
52 82.2 66.6 100.0  
51 36.6 30.1 45.1



#16  
Acetone  
Concen: 263.346 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 43 Resp: 161928  
Ion Ratio Lower Upper  
43 100  
58 30.5 21.8 32.6





#17

Carbon Disulfide

Concen: 47.203 ug/l

RT: 4.712 min Scan# 4

Delta R.T. 0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

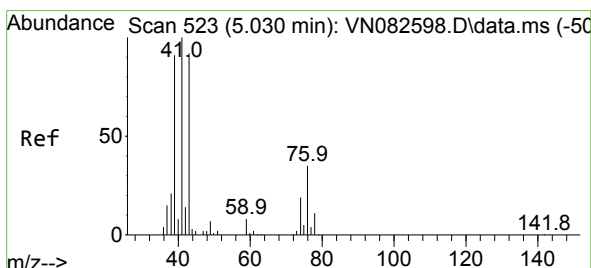
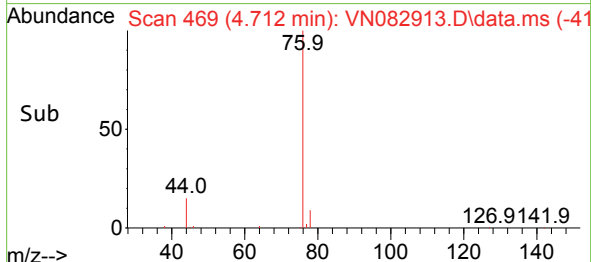
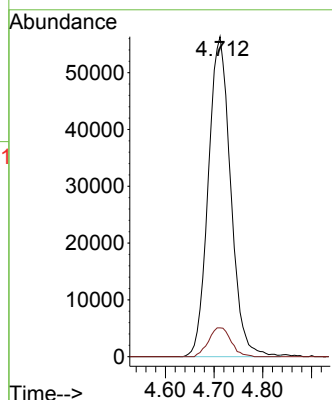
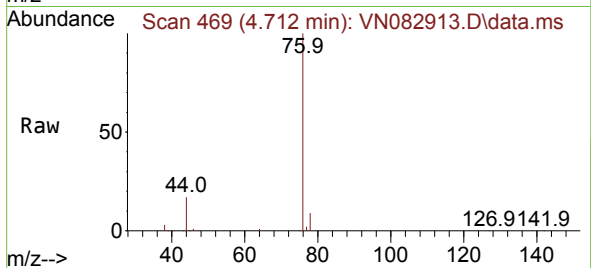
VSTDCCC050EC

Tgt Ion: 76 Resp: 179392

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



#18

Methyl Acetate

Concen: 58.040 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.006 min

Lab File: VN082913.D

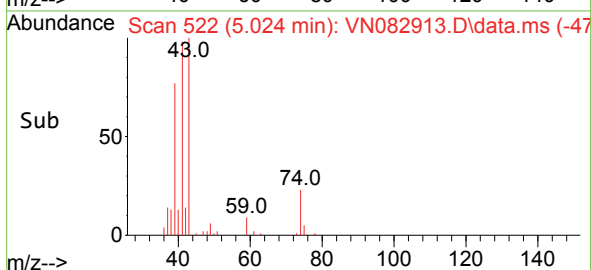
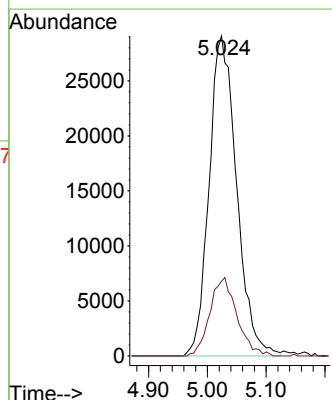
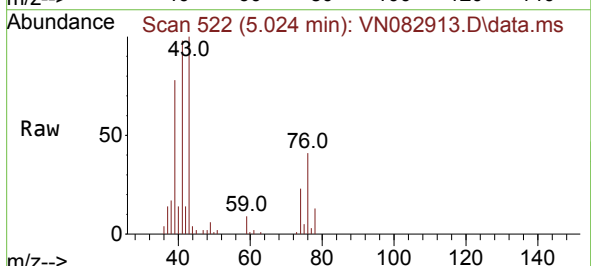
Acq: 12 Jul 2024 20:43

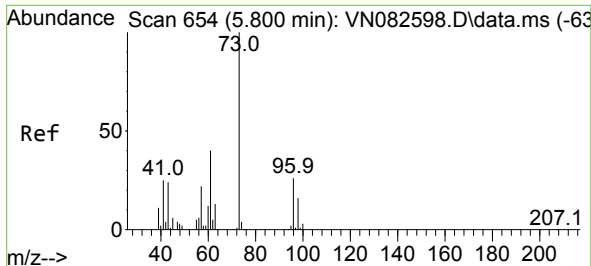
Tgt Ion: 43 Resp: 94434

Ion Ratio Lower Upper

43 100

74 24.1 16.3 24.5

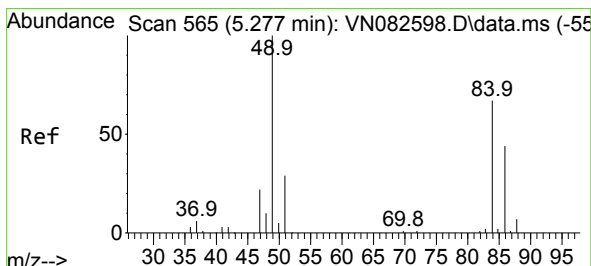
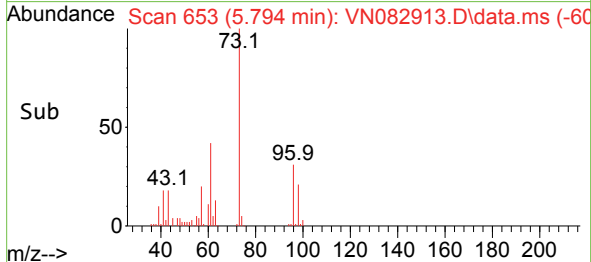
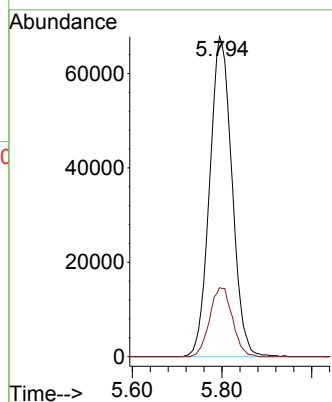
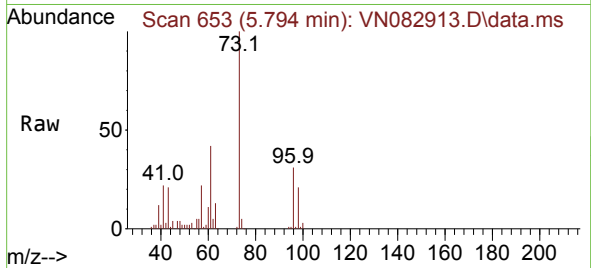




#19  
Methyl tert-butyl Ether  
Concen: 53.380 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

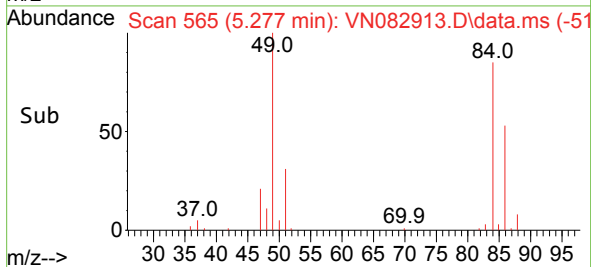
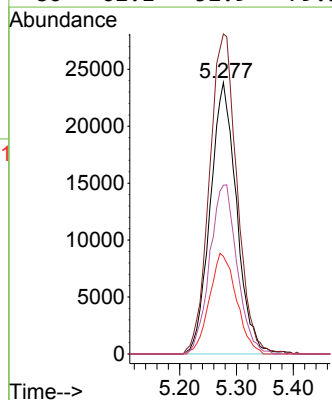
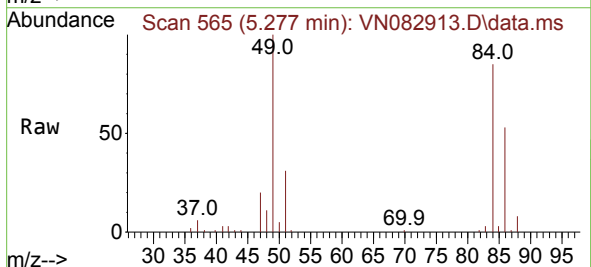
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

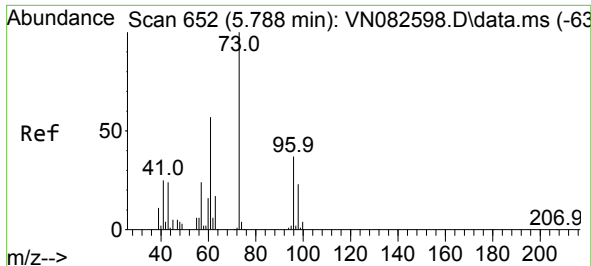
Tgt Ion: 73 Resp: 234190  
Ion Ratio Lower Upper  
73 100  
57 21.5 17.9 26.9



#20  
Methylene Chloride  
Concen: 51.660 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 84 Resp: 76713  
Ion Ratio Lower Upper  
84 100  
49 117.9 119.6 179.4#  
51 36.0 34.8 52.2  
86 62.1 52.9 79.3

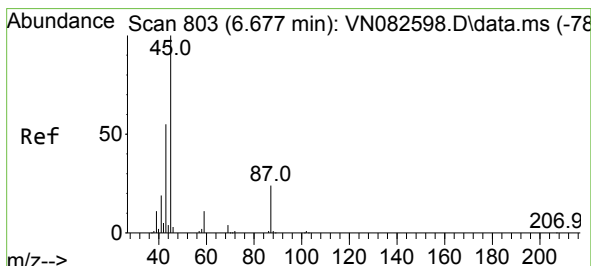
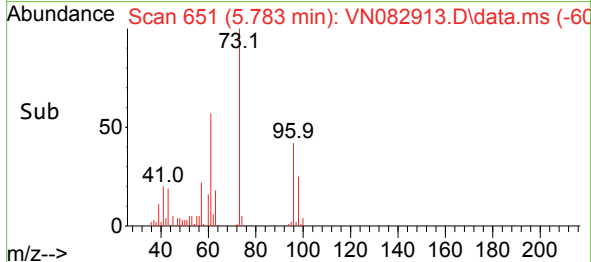
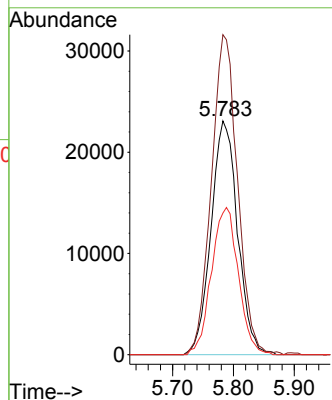
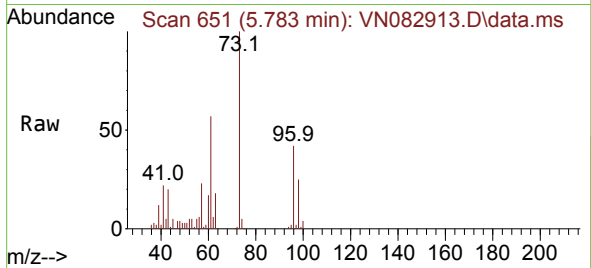




#21  
trans-1,2-Dichloroethene  
Concen: 50.853 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

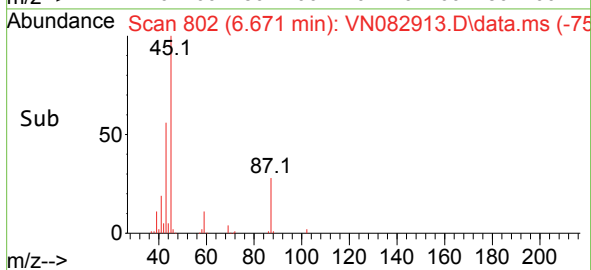
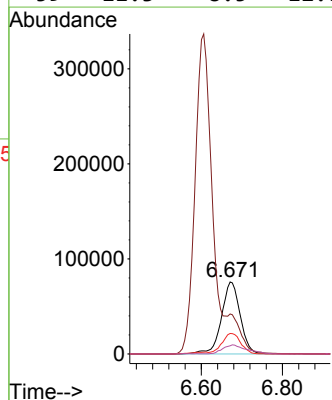
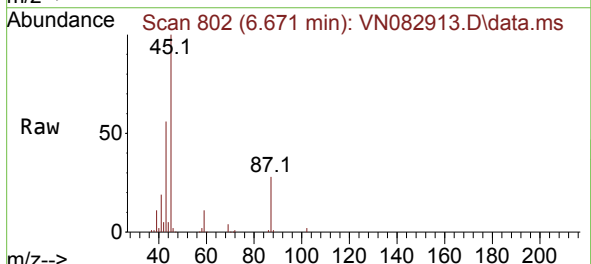
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

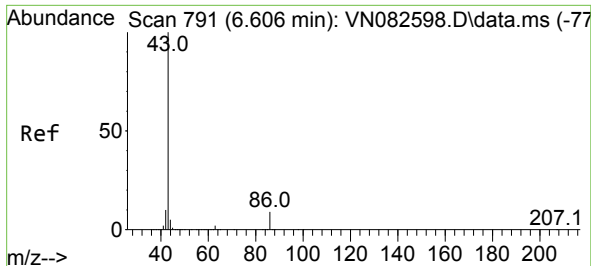
Tgt Ion: 96 Resp: 70080  
Ion Ratio Lower Upper  
96 100  
61 136.8 123.4 185.2  
98 60.6 49.3 73.9



#22  
Diisopropyl ether  
Concen: 58.603 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 45 Resp: 243125  
Ion Ratio Lower Upper  
45 100  
43 55.0 44.0 66.0  
87 28.4 19.7 29.5  
59 11.3 8.5 12.7

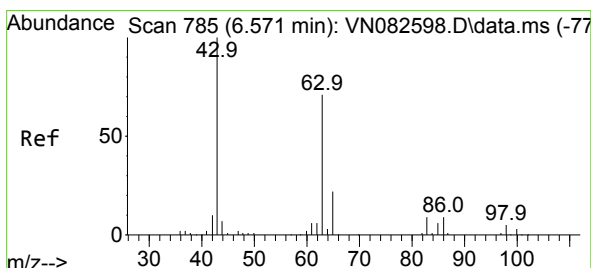
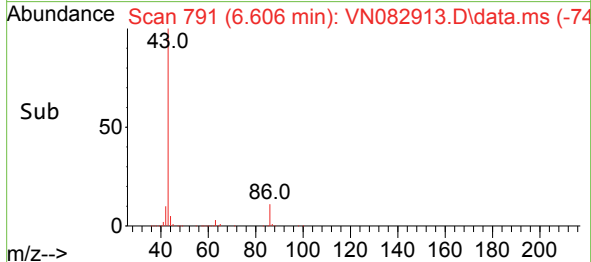
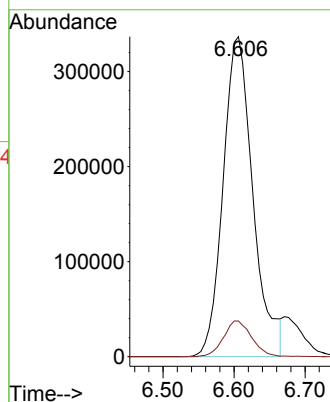
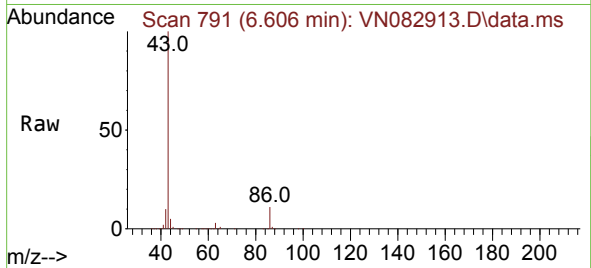




#23  
 Vinyl Acetate  
 Concen: 298.041 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.000 min  
 Lab File: VN082913.D  
 Acq: 12 Jul 2024 20:43

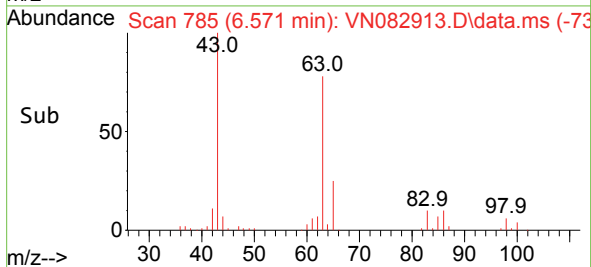
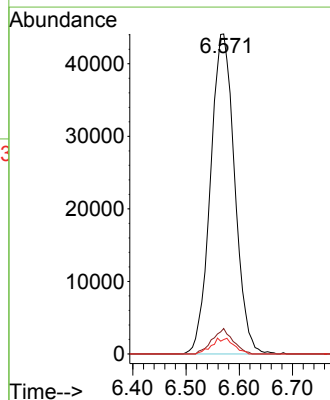
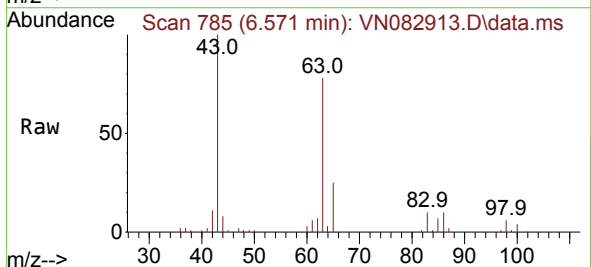
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

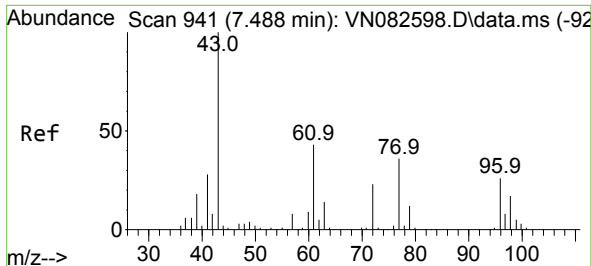
Tgt Ion: 43 Resp: 981937  
 Ion Ratio Lower Upper  
 43 100  
 86 11.2 7.3 10.9#



#24  
 1,1-Dichloroethane  
 Concen: 55.328 ug/l  
 RT: 6.571 min Scan# 785  
 Delta R.T. -0.000 min  
 Lab File: VN082913.D  
 Acq: 12 Jul 2024 20:43

Tgt Ion: 63 Resp: 139233  
 Ion Ratio Lower Upper  
 63 100  
 98 8.0 3.3 9.9  
 100 4.5 2.0 6.0

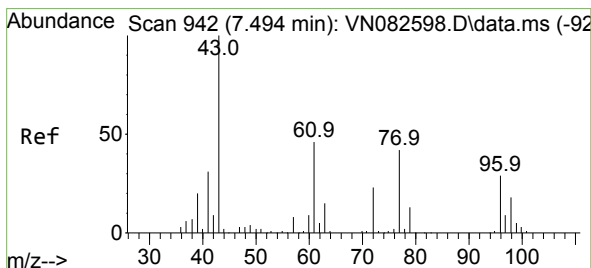
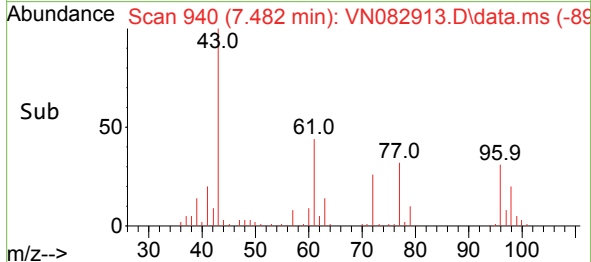
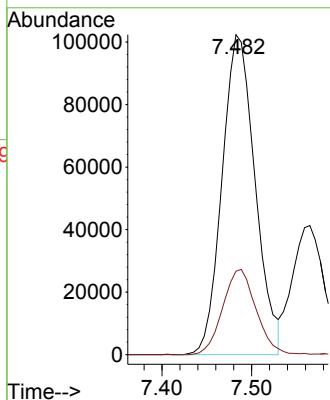
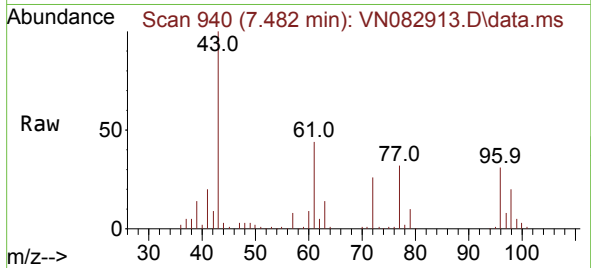




#25  
2-Butanone  
Concen: 282.131 ug/l  
RT: 7.482 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

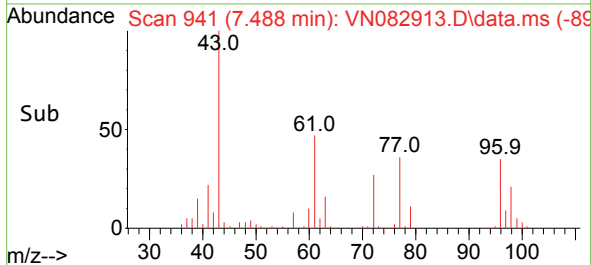
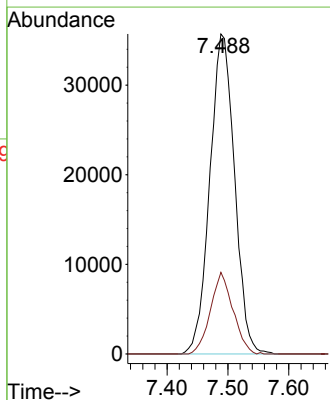
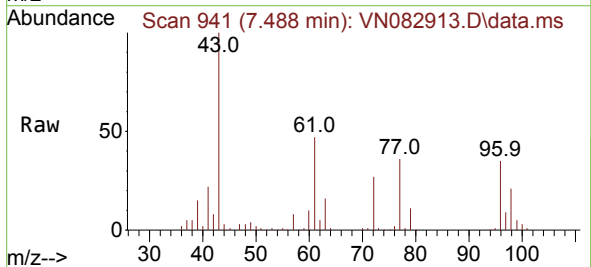
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

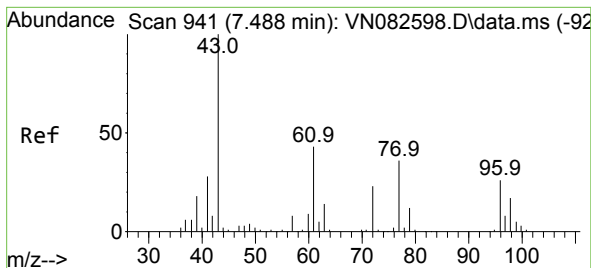
Tgt Ion: 43 Resp: 261944  
Ion Ratio Lower Upper  
43 100  
72 26.1 18.2 27.2



#26  
2,2-Dichloropropane  
Concen: 43.038 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 77 Resp: 100699  
Ion Ratio Lower Upper  
77 100  
97 23.3 10.3 30.9





#27

cis-1,2-Dichloroethene

Concen: 54.112 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

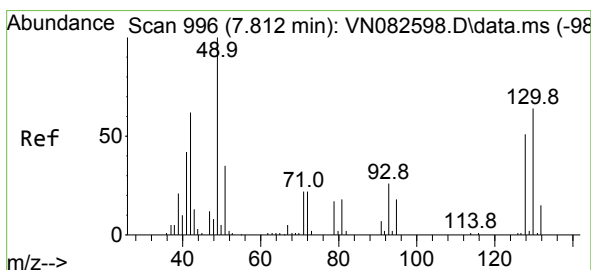
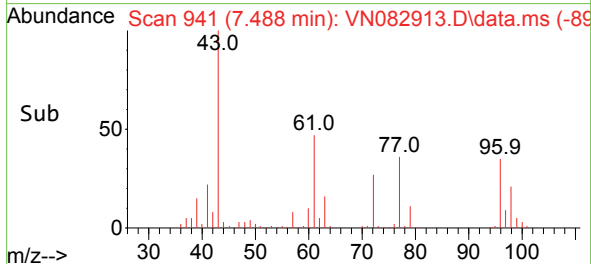
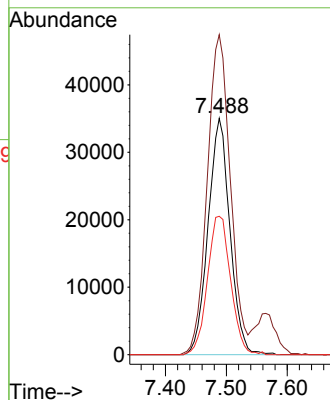
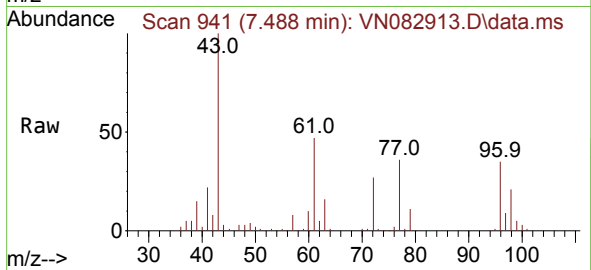
Tgt Ion: 96 Resp: 87303

Ion Ratio Lower Upper

96 100

61 142.8 0.0 329.6

98 62.3 0.0 128.6



#28

Bromochloromethane

Concen: 52.444 ug/l

RT: 7.812 min Scan# 996

Delta R.T. -0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

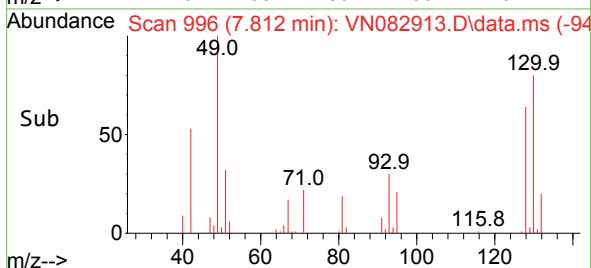
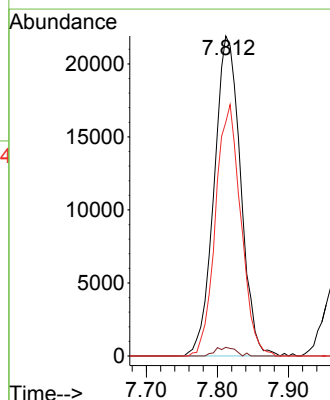
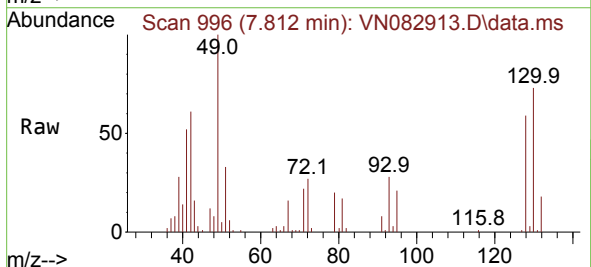
Tgt Ion: 49 Resp: 56617

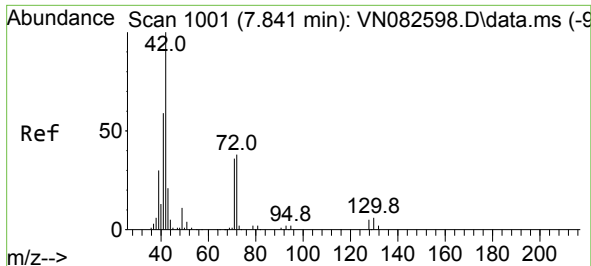
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 75.3 50.5 75.7





#29

Tetrahydrofuran

Concen: 292.140 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

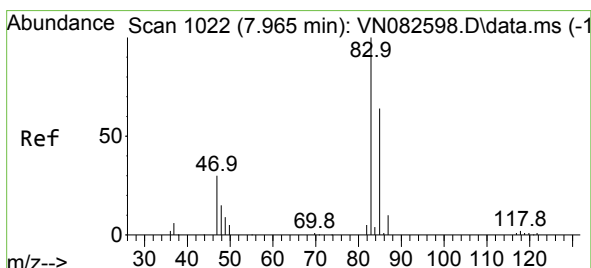
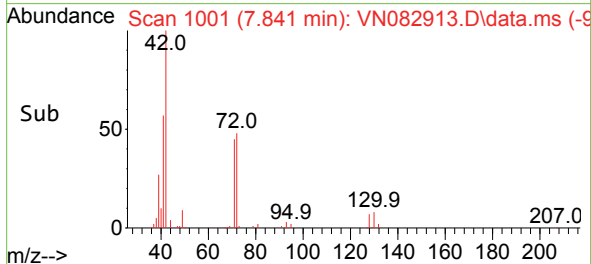
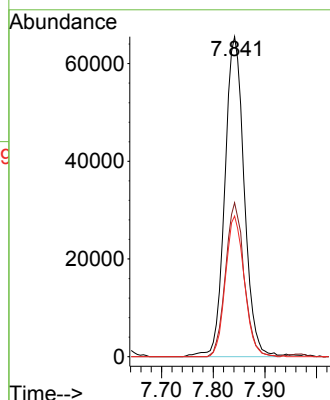
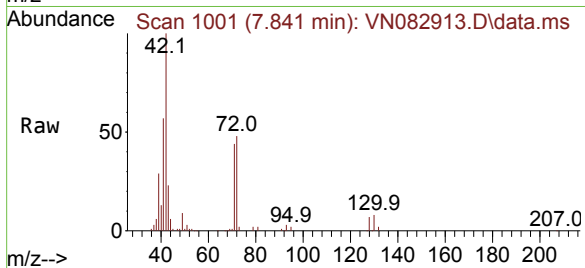
Tgt Ion: 42 Resp: 170758

Ion Ratio Lower Upper

42 100

72 46.3 30.0 45.0#

71 42.7 28.3 42.5#



#30

Chloroform

Concen: 54.203 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN082913.D

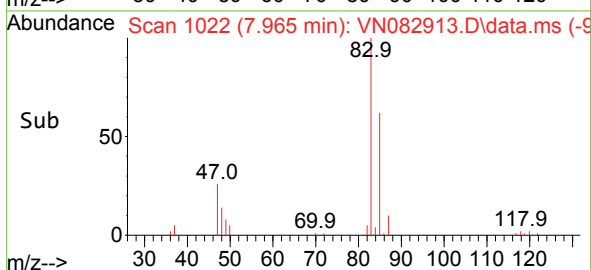
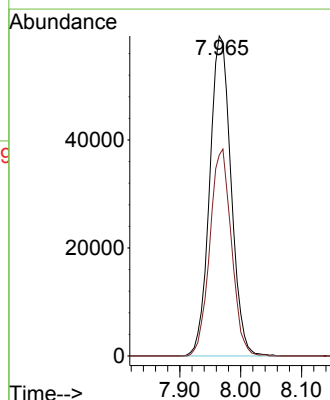
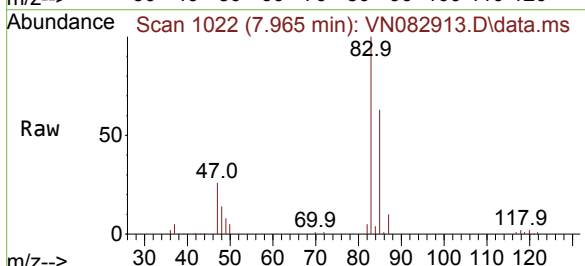
Acq: 12 Jul 2024 20:43

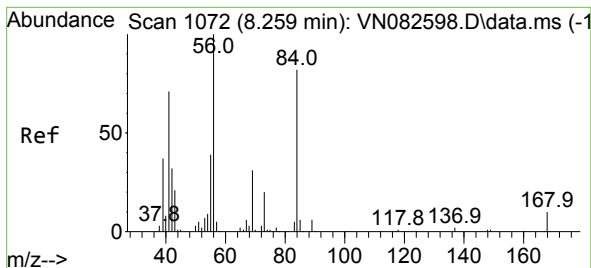
Tgt Ion: 83 Resp: 144707

Ion Ratio Lower Upper

83 100

85 62.8 50.9 76.3





#31

Cyclohexane

Concen: 47.847 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. -0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

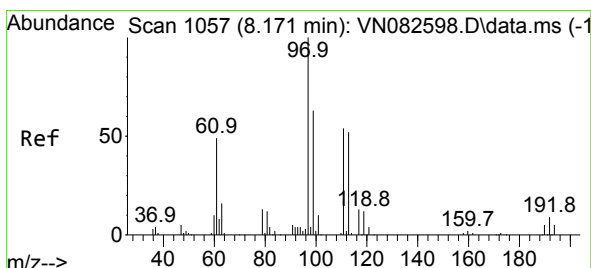
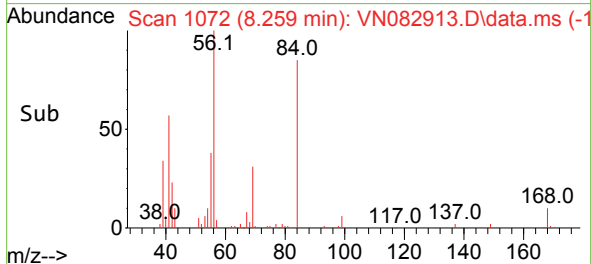
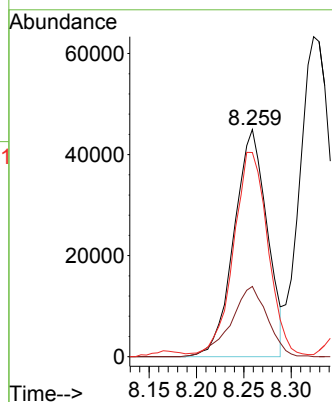
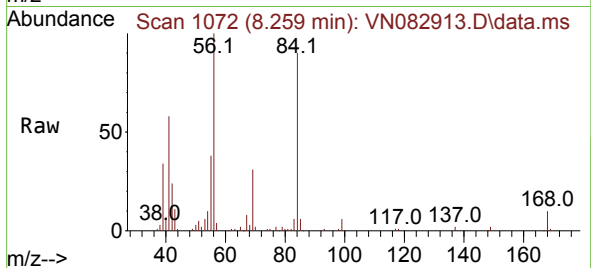
Tgt Ion: 56 Resp: 109249

Ion Ratio Lower Upper

56 100

69 30.9 24.5 36.7

84 88.1 66.0 99.0



#32

1,1,1-Trichloroethane

Concen: 51.558 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

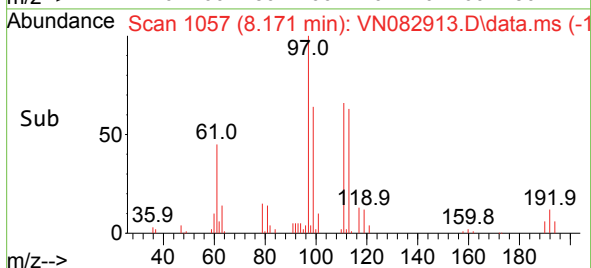
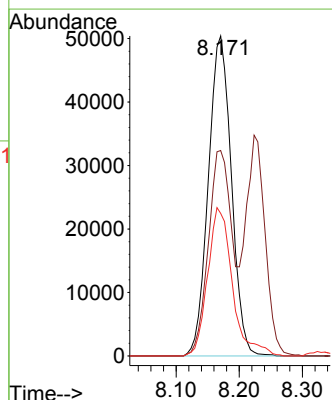
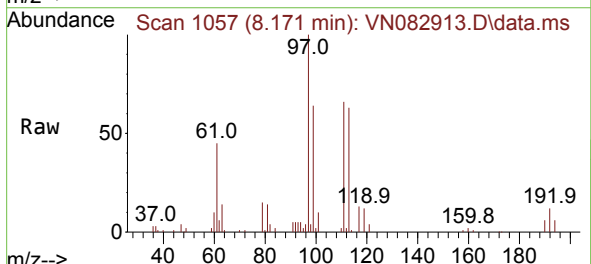
Tgt Ion: 97 Resp: 127796

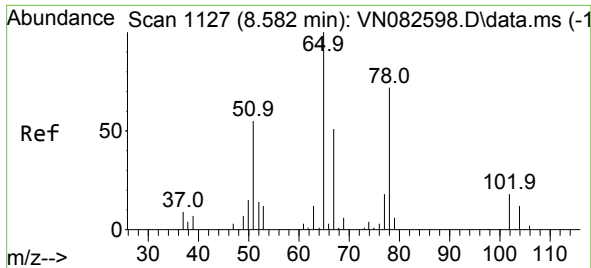
Ion Ratio Lower Upper

97 100

99 67.2 52.0 78.0

61 49.8 42.1 63.1

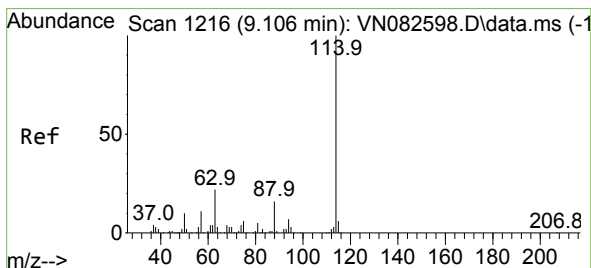
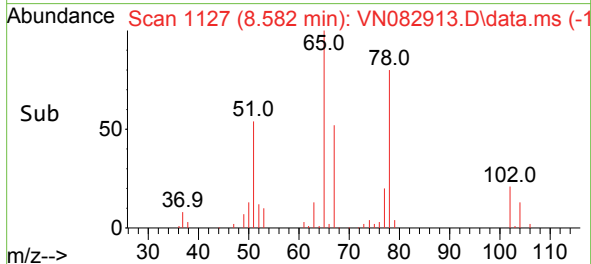
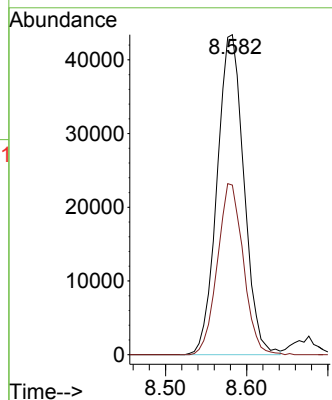
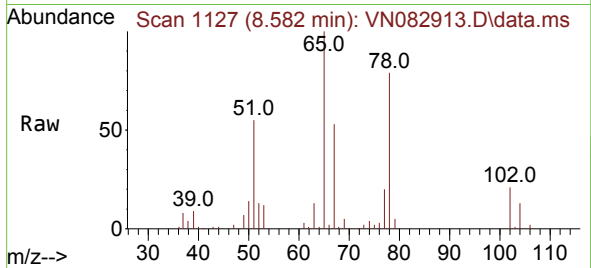




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.113 ug/l  
 RT: 8.582 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VN082913.D  
 Acq: 12 Jul 2024 20:43

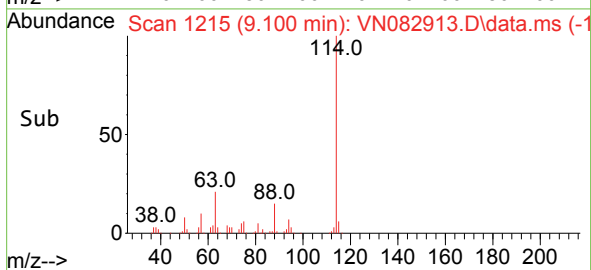
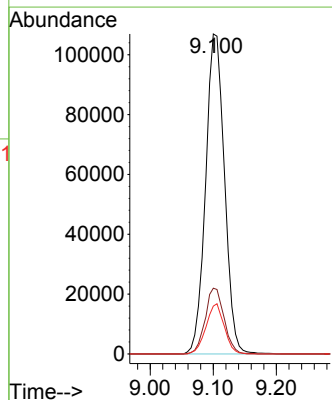
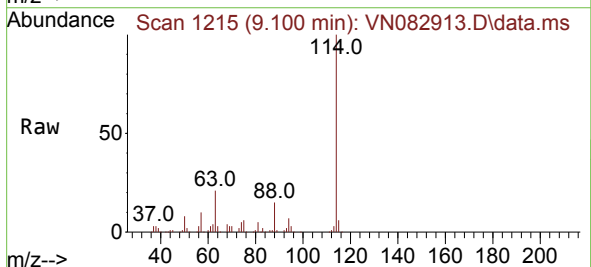
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

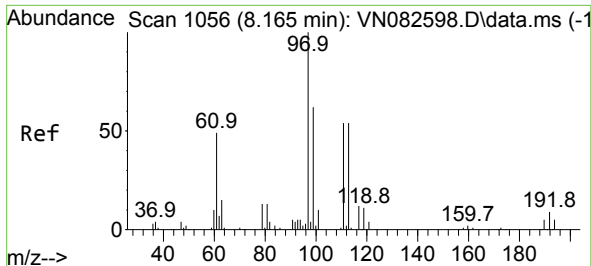
Tgt Ion: 65 Resp: 99747  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. -0.006 min  
 Lab File: VN082913.D  
 Acq: 12 Jul 2024 20:43

Tgt Ion: 114 Resp: 222461  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 0.0 44.6  
 88 15.0 0.0 31.4

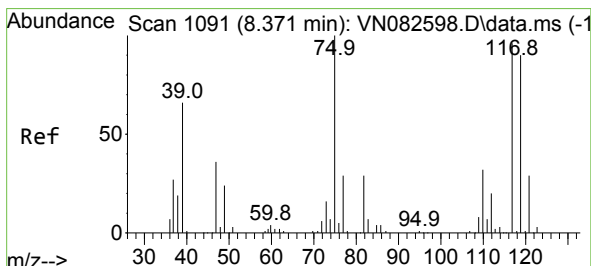
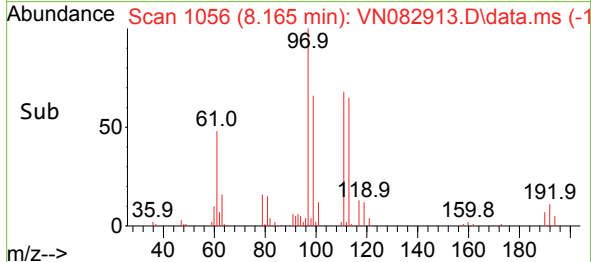
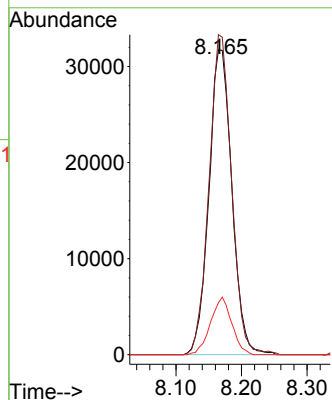
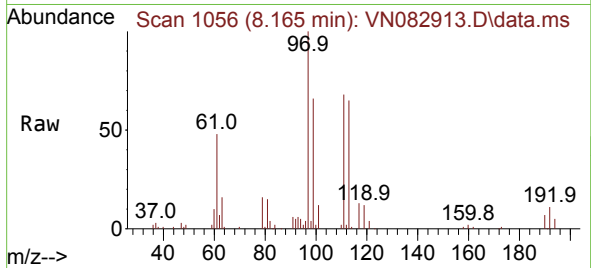




#35  
Dibromofluoromethane  
Concen: 54.191 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

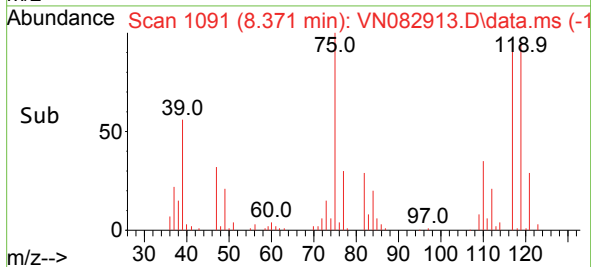
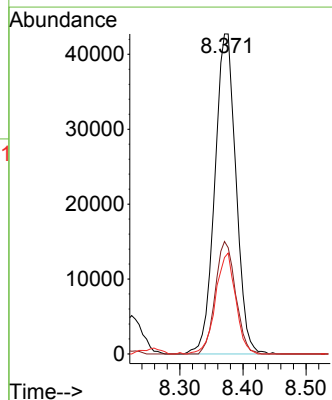
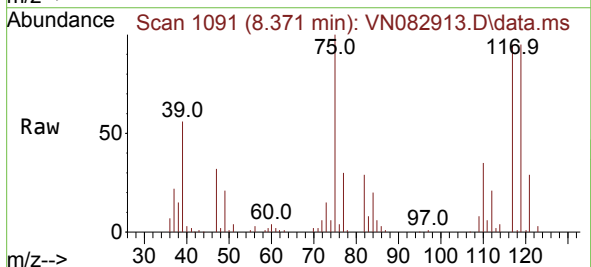
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

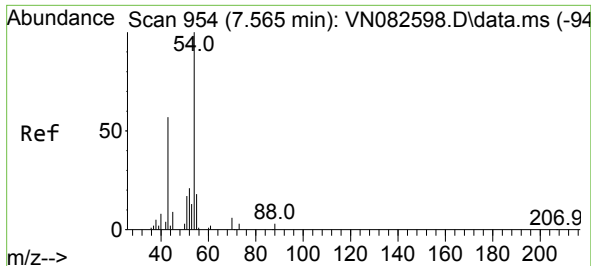
Tgt Ion:113 Resp: 77357  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.4 123.6  
192 17.4 14.9 22.3



#36  
1,1-Dichloropropene  
Concen: 50.627 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 75 Resp: 99639  
Ion Ratio Lower Upper  
75 100  
110 33.6 16.3 48.9  
77 29.9 24.6 37.0

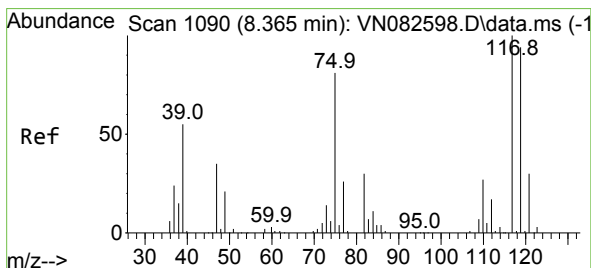
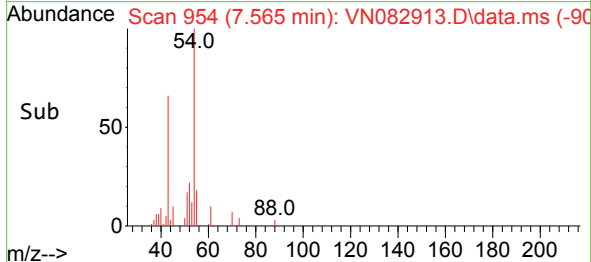
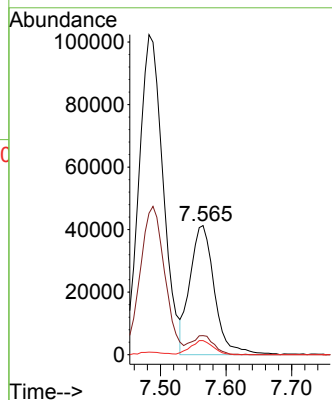
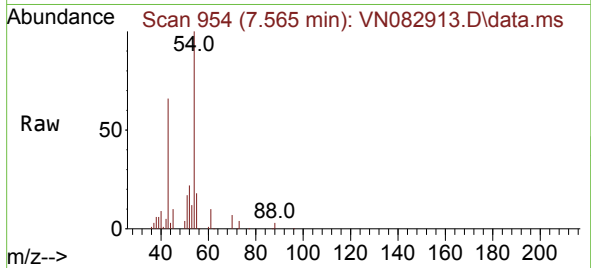




#37  
Ethyl Acetate  
Concen: 53.511 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

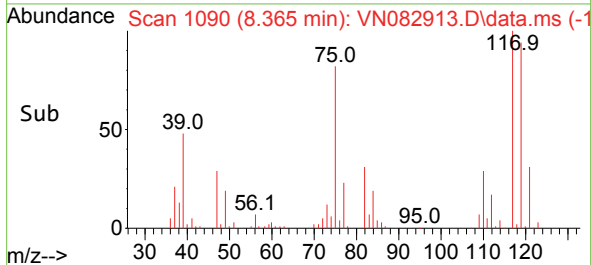
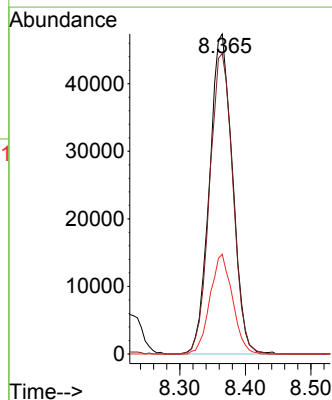
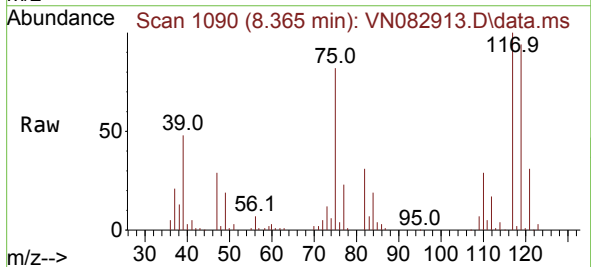
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

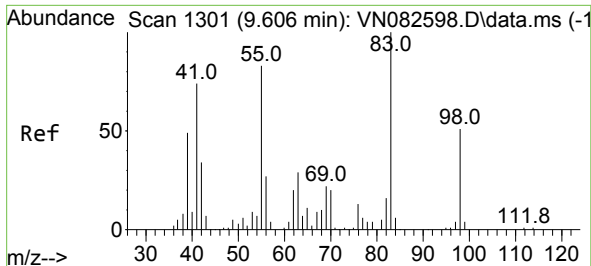
Tgt Ion: 43 Resp: 107221  
Ion Ratio Lower Upper  
43 100  
61 13.8 9.3 13.9  
70 10.0 7.0 10.6



#38  
Carbon Tetrachloride  
Concen: 48.684 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 117 Resp: 115366  
Ion Ratio Lower Upper  
117 100  
119 93.9 74.9 112.3  
121 31.1 24.3 36.5





#39

Methylcyclohexane

Concen: 46.621 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. -0.006 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

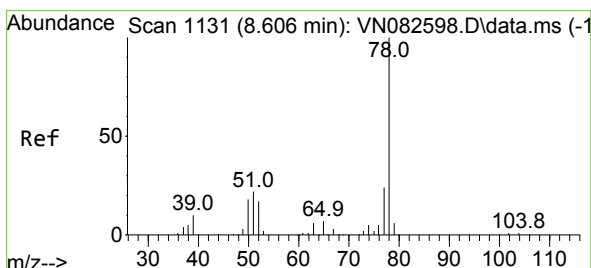
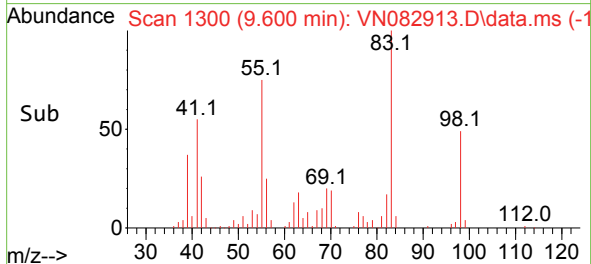
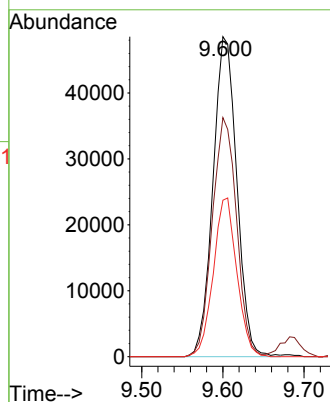
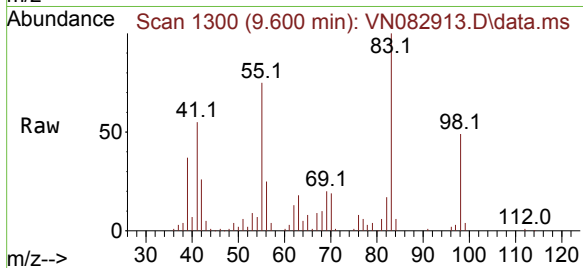
Tgt Ion: 83 Resp: 99113

Ion Ratio Lower Upper

83 100

55 74.7 66.4 99.6

98 48.9 40.7 61.1



#40

Benzene

Concen: 51.733 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN082913.D

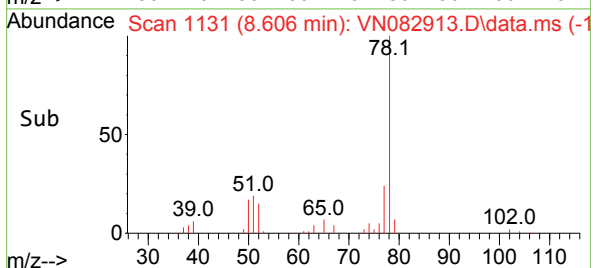
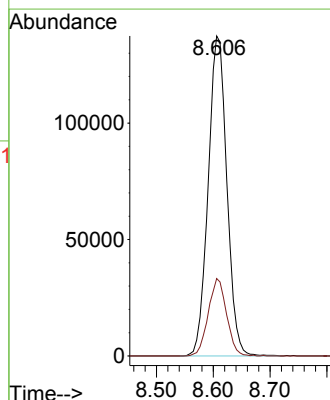
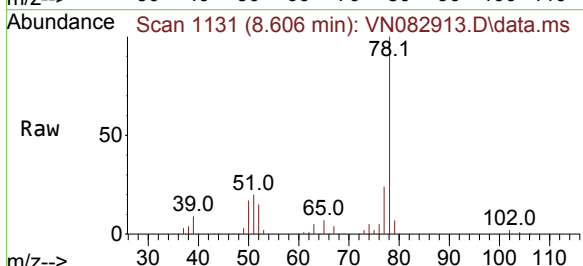
Acq: 12 Jul 2024 20:43

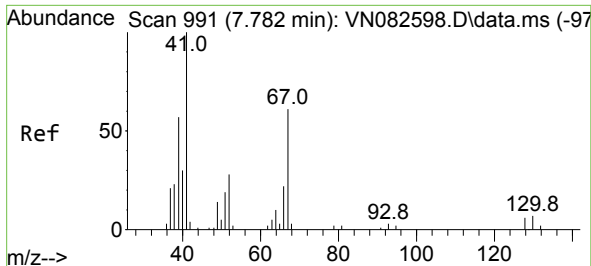
Tgt Ion: 78 Resp: 313191

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.4

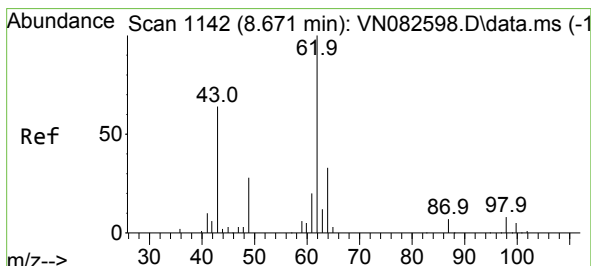
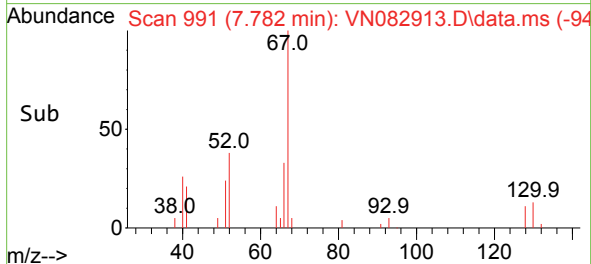
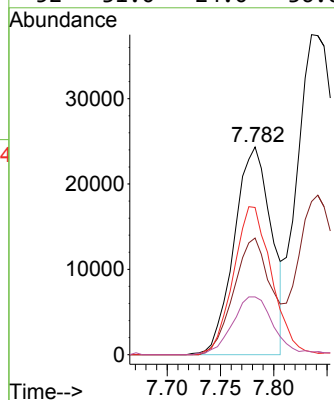
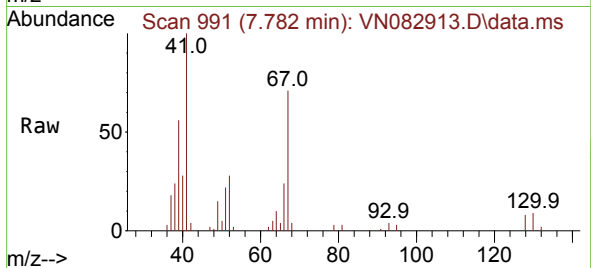




#41  
Methacrylonitrile  
Concen: 54.825 ug/l  
RT: 7.782 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

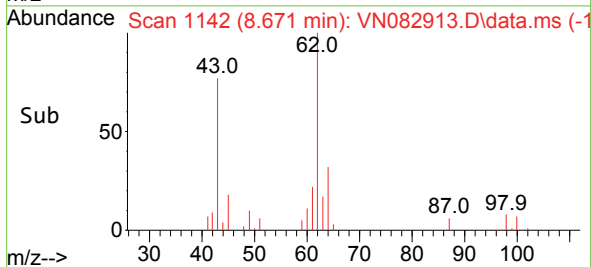
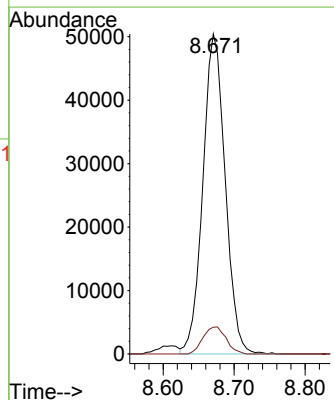
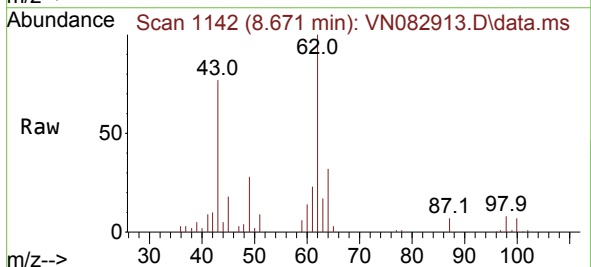
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

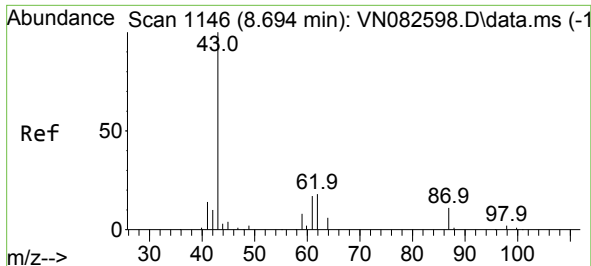
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 59183 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 55.6     | 45.5 68.3   |
| 67 73.1     | 50.5 75.7   |
| 52 31.0     | 24.0 36.0   |



#42  
1,2-Dichloroethane  
Concen: 50.624 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 110332 |
| Ion Ratio   | Lower Upper  |
| 62 100      |              |
| 98 8.7      | 0.0 15.8     |

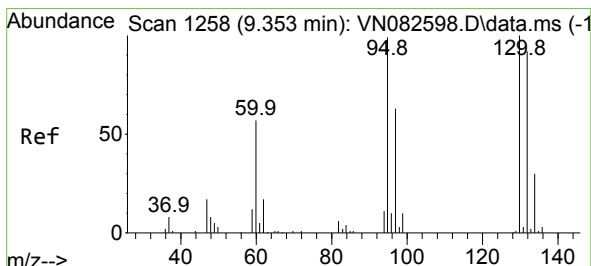
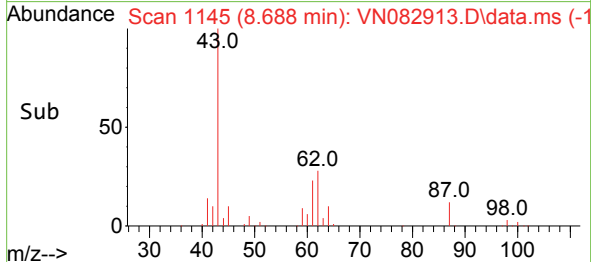
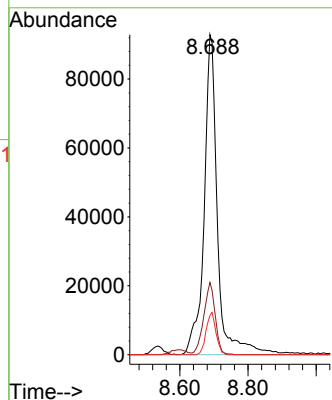
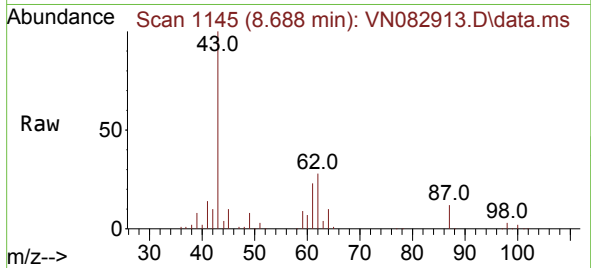




#43  
Isopropyl Acetate  
Concen: 67.704 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

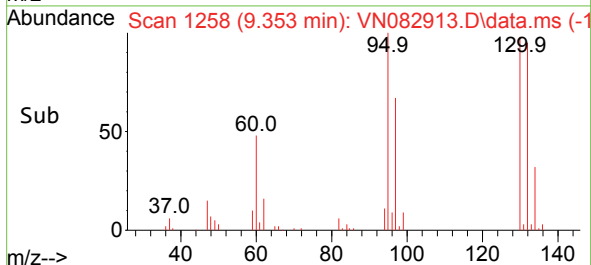
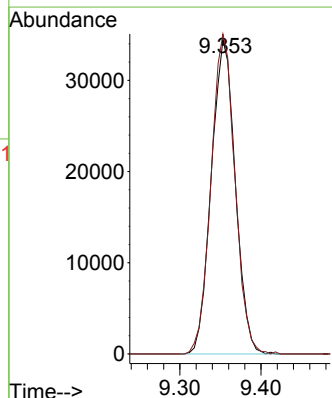
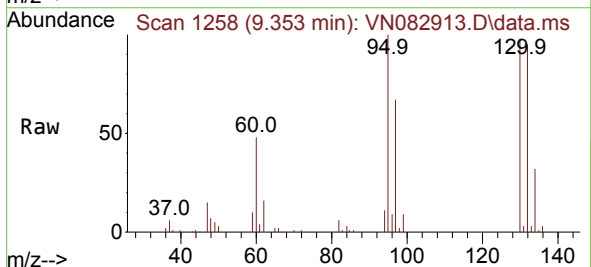
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

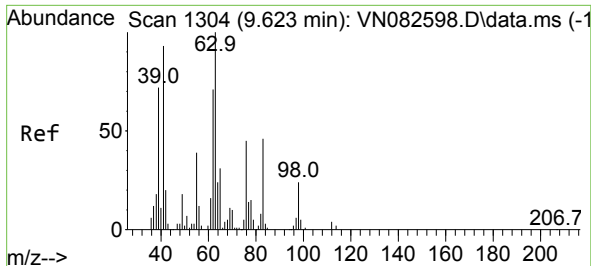
Tgt Ion: 43 Resp: 251827  
Ion Ratio Lower Upper  
43 100  
61 19.4 17.8 26.6  
87 9.8 8.2 12.2



#44  
Trichloroethene  
Concen: 45.594 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion:130 Resp: 70716  
Ion Ratio Lower Upper  
130 100  
95 101.8 0.0 197.8





#45

1,2-Dichloropropane

Concen: 54.979 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.001 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

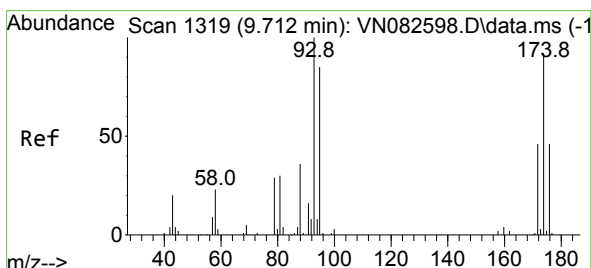
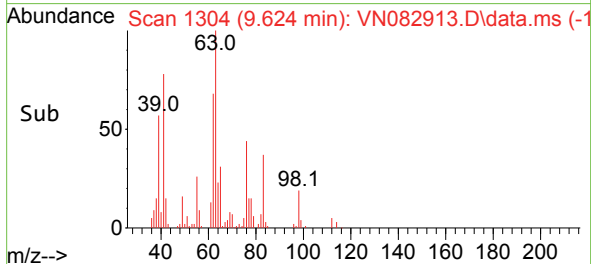
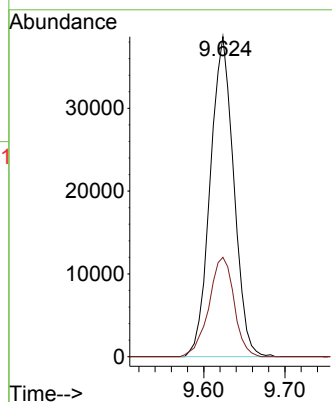
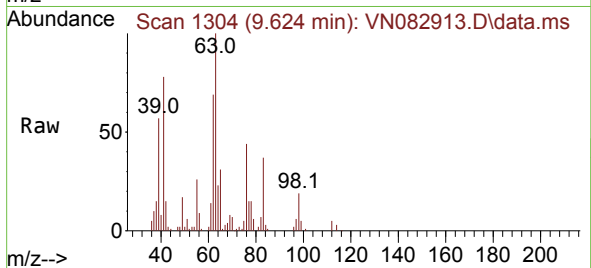
VSTDCCC050EC

Tgt Ion: 63 Resp: 77706

Ion Ratio Lower Upper

63 100

65 31.0 24.4 36.6



#46

Dibromomethane

Concen: 51.547 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

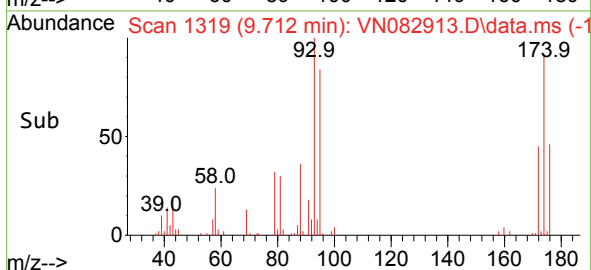
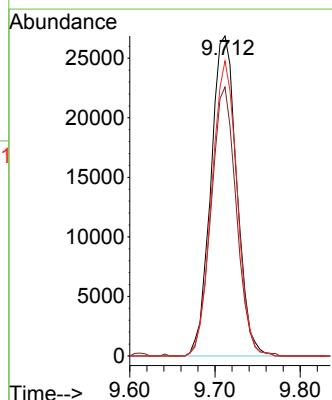
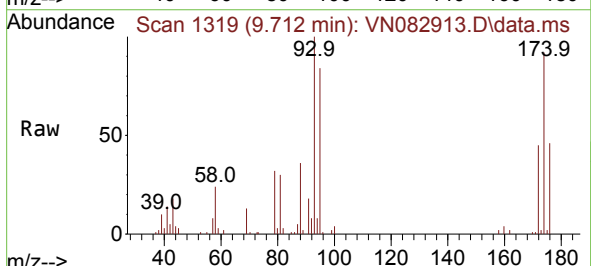
Tgt Ion: 93 Resp: 56758

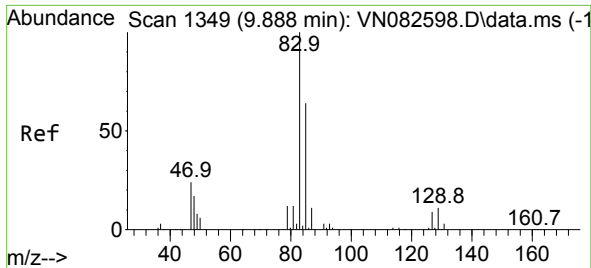
Ion Ratio Lower Upper

93 100

95 82.1 65.8 98.6

174 90.1 71.7 107.5

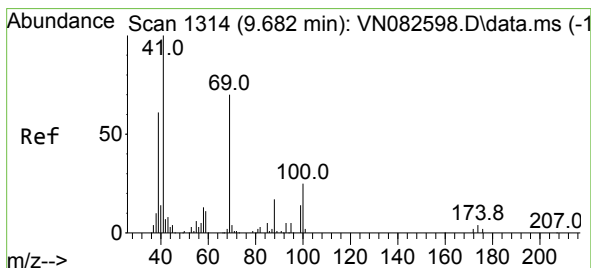
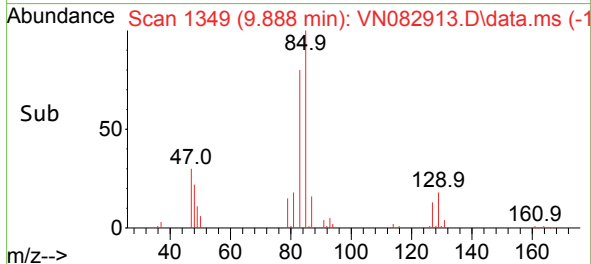
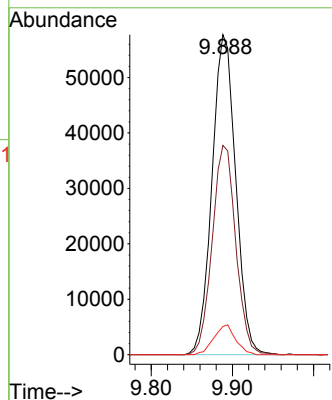
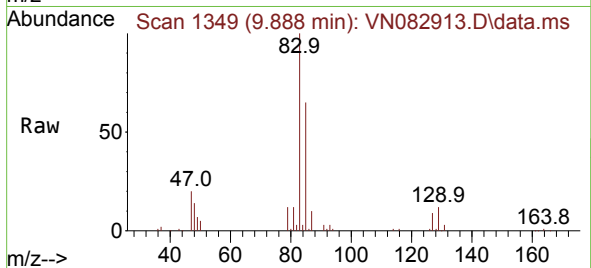




#47  
Bromodichloromethane  
Concen: 51.498 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

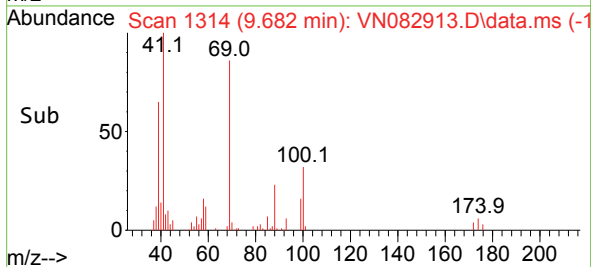
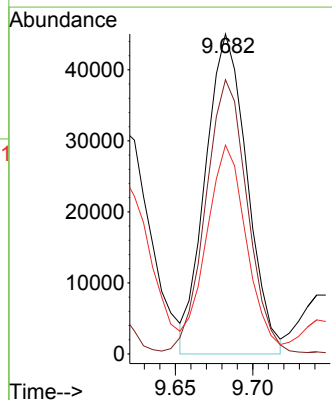
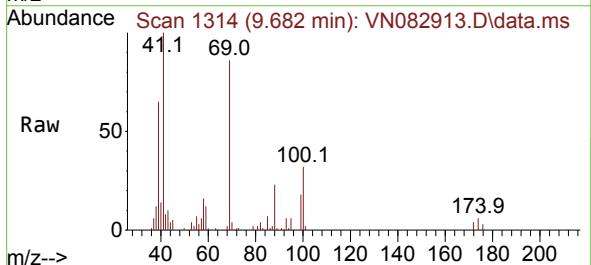
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

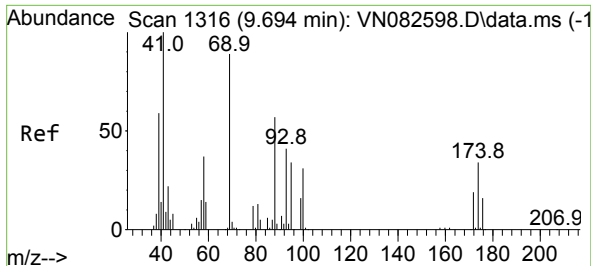
Tgt Ion: 83 Resp: 117164  
Ion Ratio Lower Upper  
83 100  
85 65.4 51.1 76.7  
127 8.8 7.2 10.8



#48  
Methyl methacrylate  
Concen: 53.650 ug/l  
RT: 9.682 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 41 Resp: 84292  
Ion Ratio Lower Upper  
41 100  
69 86.5 56.3 84.5#  
39 63.1 50.3 75.5





#49

1,4-Dioxane

Concen: 1079.928 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

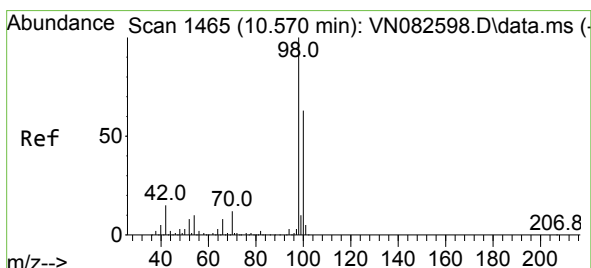
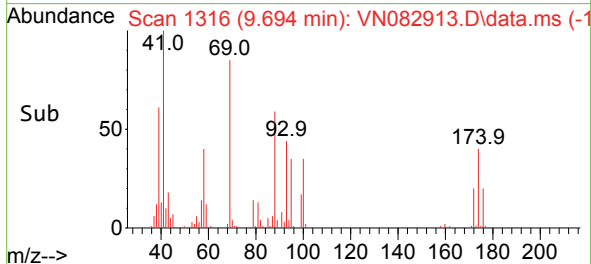
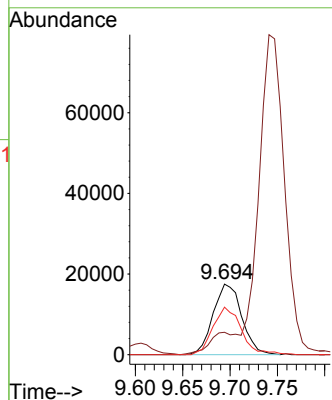
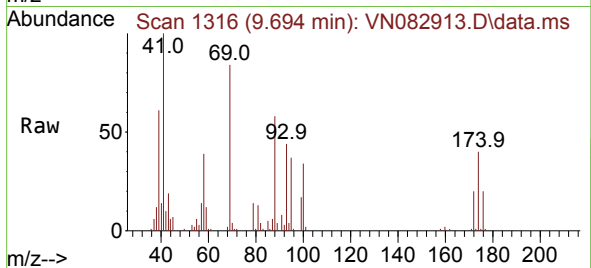
Tgt Ion: 88 Resp: 36838

Ion Ratio Lower Upper

88 100

43 24.2 27.8 41.8#

58 66.9 59.4 89.0



#50

Toluene-d8

Concen: 55.728 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.001 min

Lab File: VN082913.D

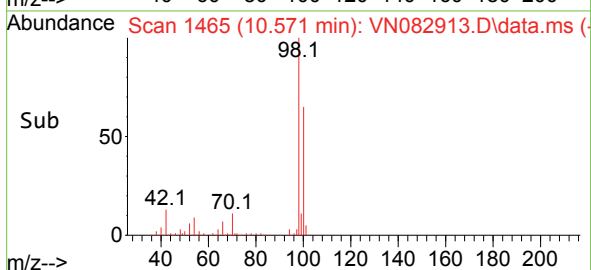
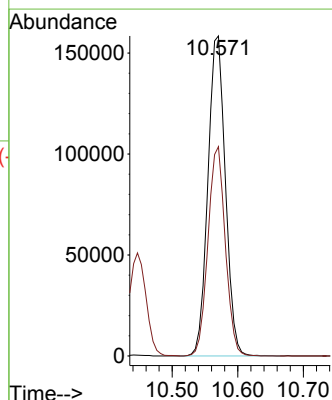
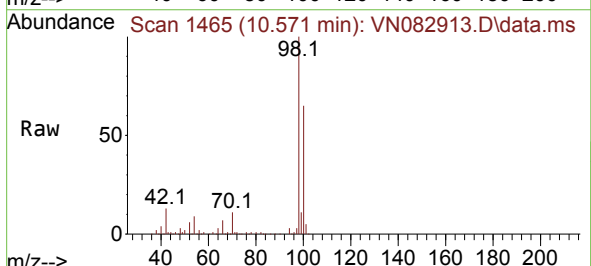
Acq: 12 Jul 2024 20:43

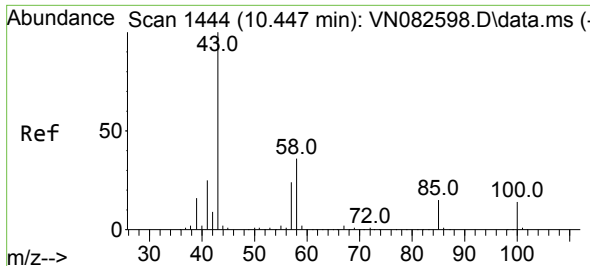
Tgt Ion: 98 Resp: 293819

Ion Ratio Lower Upper

98 100

100 64.9 51.5 77.3

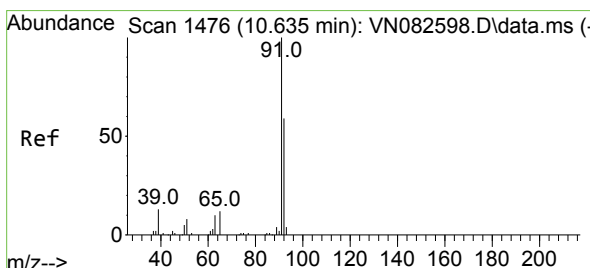
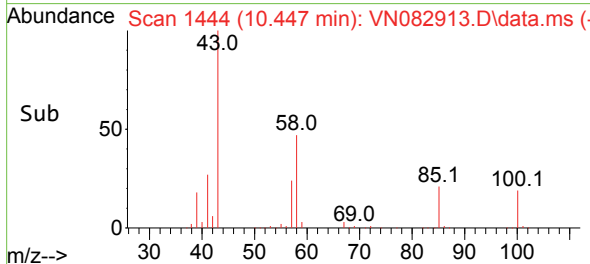
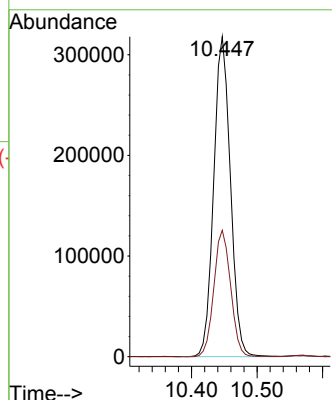
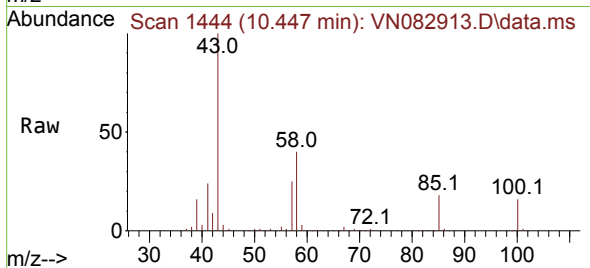




#51  
4-Methyl-2-Pentanone  
Concen: 283.210 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

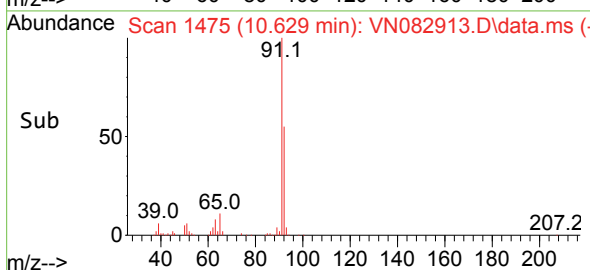
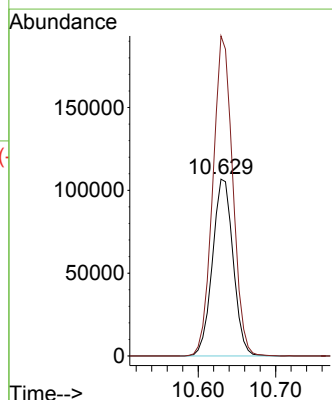
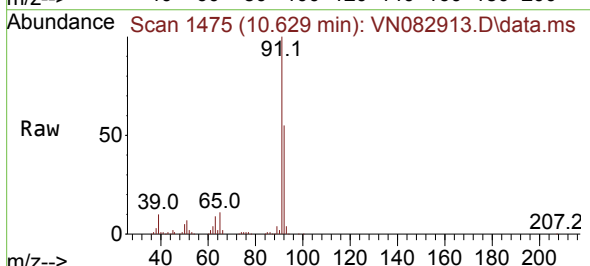
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

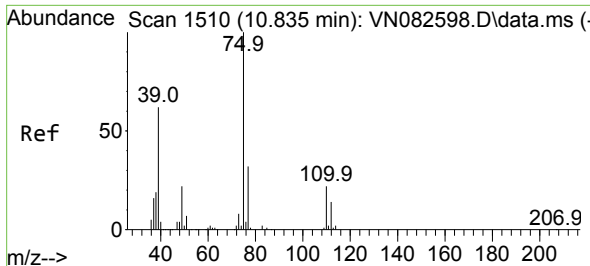
Tgt Ion: 43 Resp: 562583  
Ion Ratio Lower Upper  
43 100  
58 39.7 28.2 42.4



#52  
Toluene  
Concen: 52.356 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 92 Resp: 197999  
Ion Ratio Lower Upper  
92 100  
91 174.6 139.4 209.0

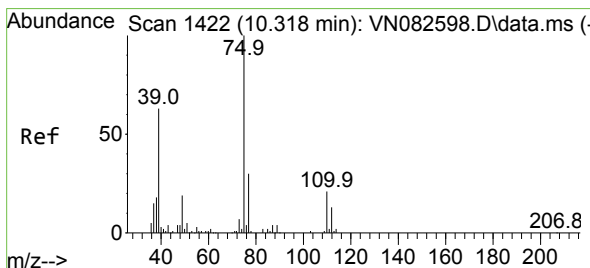
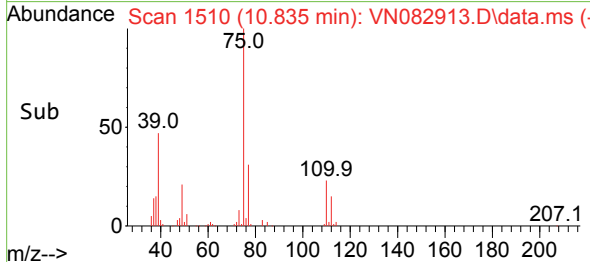
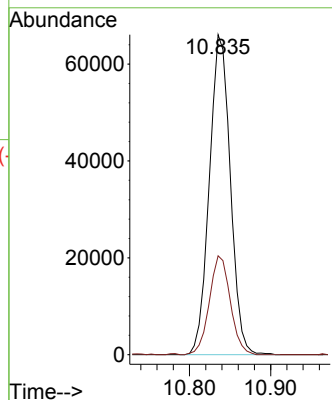
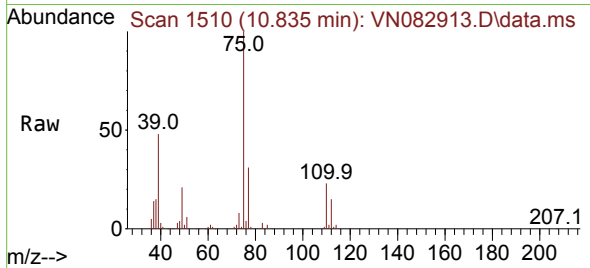




#53  
 t-1,3-Dichloropropene  
 Concen: 50.523 ug/l  
 RT: 10.835 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VN082913.D  
 Acq: 12 Jul 2024 20:43

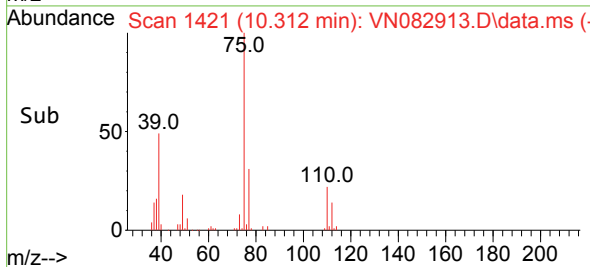
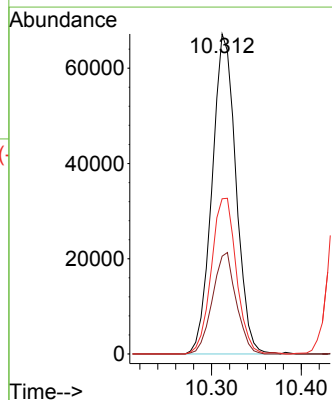
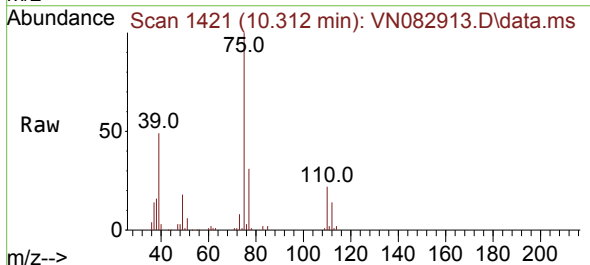
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

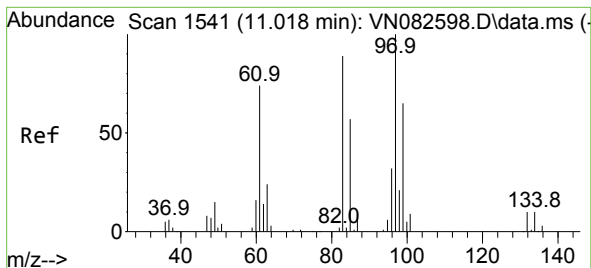
Tgt Ion: 75 Resp: 118414  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 25.7 38.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 50.068 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. -0.006 min  
 Lab File: VN082913.D  
 Acq: 12 Jul 2024 20:43

Tgt Ion: 75 Resp: 124210  
 Ion Ratio Lower Upper  
 75 100  
 77 30.6 24.3 36.5  
 39 48.5 50.5 75.7#





#55

1,1,2-Trichloroethane

Concen: 54.423 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. -0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 75682

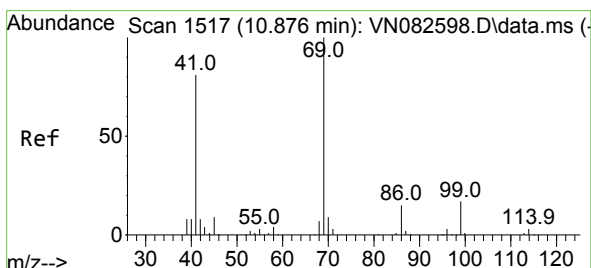
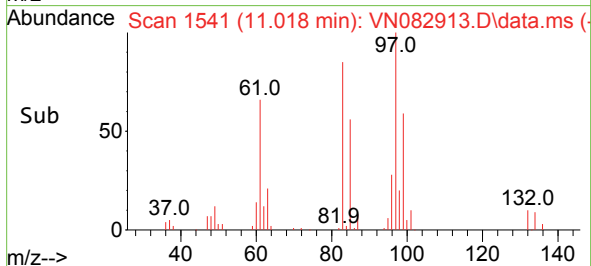
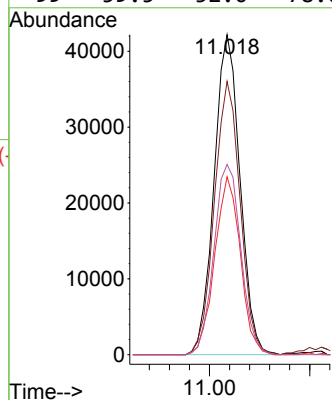
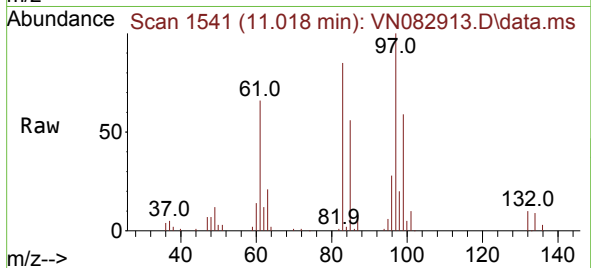
Ion Ratio Lower Upper

97 100

83 85.4 71.4 107.0

85 55.6 45.8 68.6

99 59.5 52.0 78.0



#56

Ethyl methacrylate

Concen: 58.018 ug/l

RT: 10.876 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

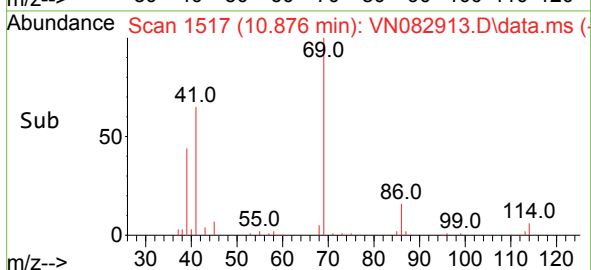
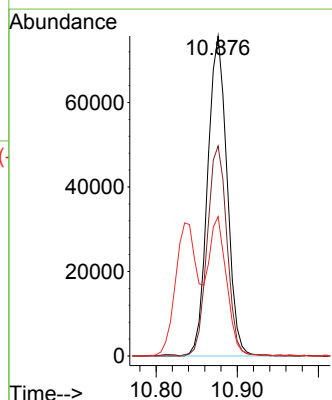
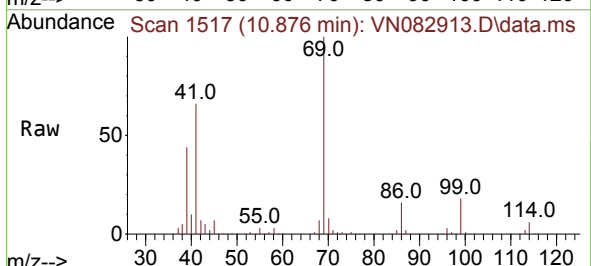
Tgt Ion: 69 Resp: 125524

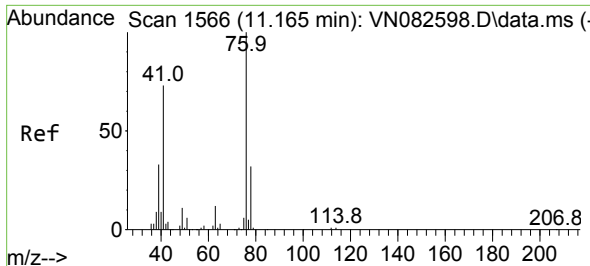
Ion Ratio Lower Upper

69 100

41 66.7 63.4 95.2

39 39.4 37.4 56.0





#57

1,3-Dichloropropane

Concen: 53.272 ug/l

RT: 11.165 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082913.D

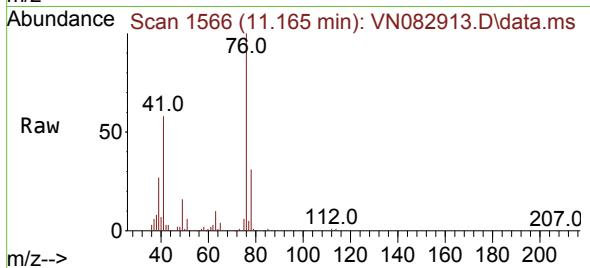
Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

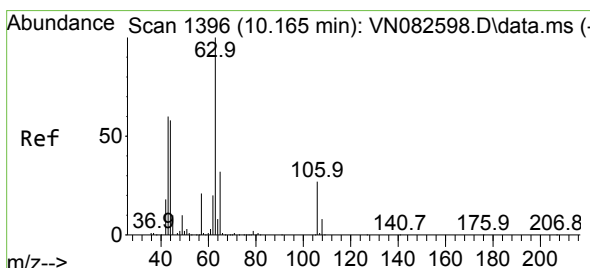
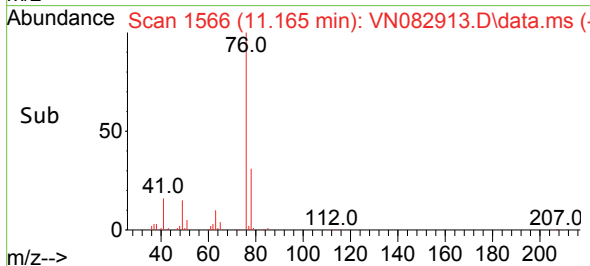
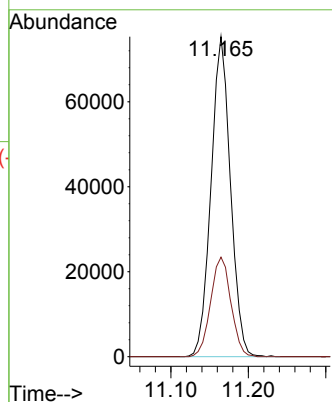


Tgt Ion: 76 Resp: 131134

Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 294.481 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.006 min

Lab File: VN082913.D

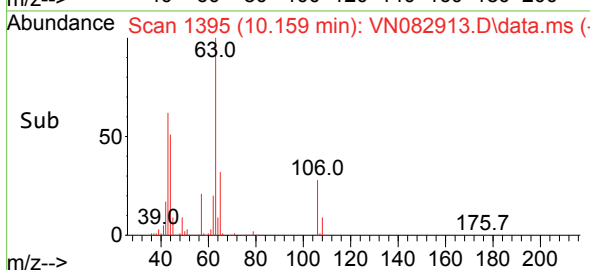
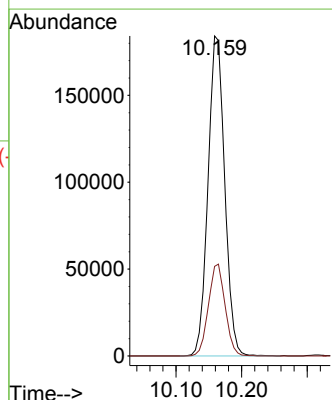
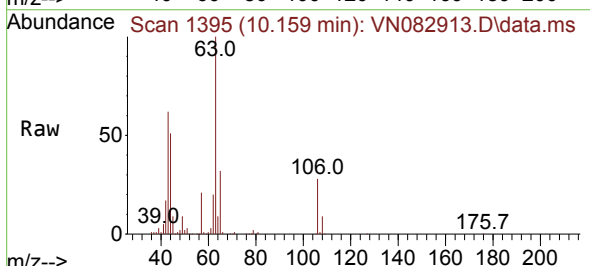
Acq: 12 Jul 2024 20:43

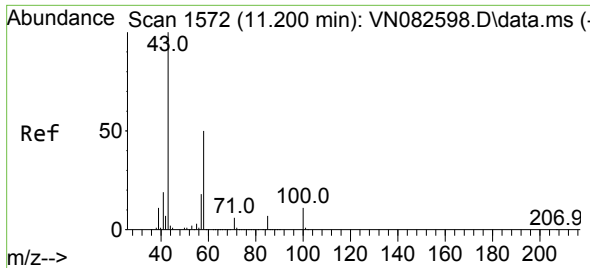
Tgt Ion: 63 Resp: 326923

Ion Ratio Lower Upper

63 100

106 28.7 21.4 32.0

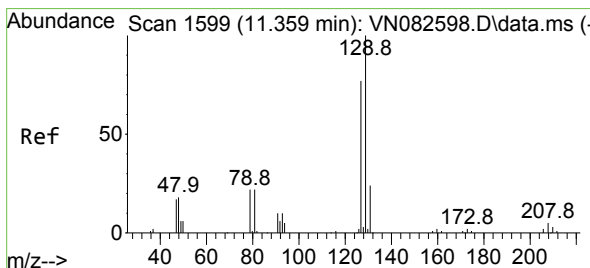
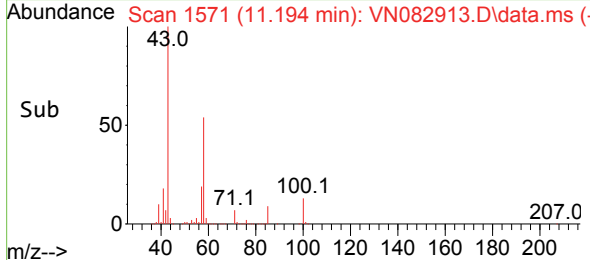
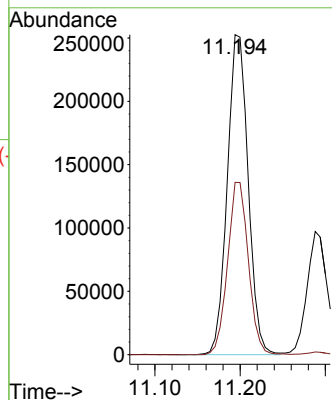
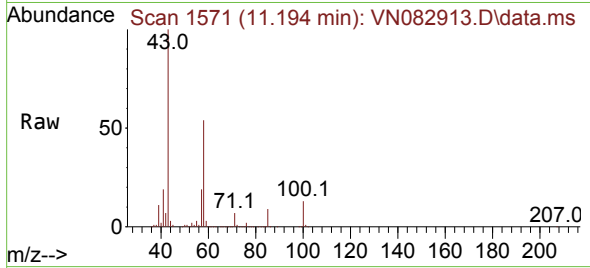




#59  
2-Hexanone  
Concen: 291.261 ug/l  
RT: 11.194 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

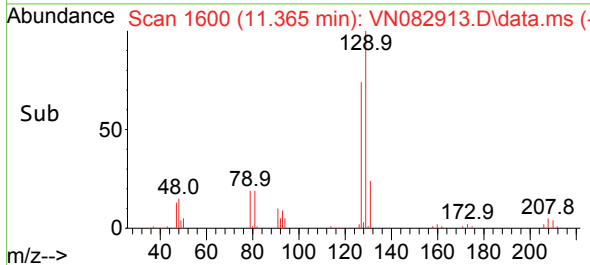
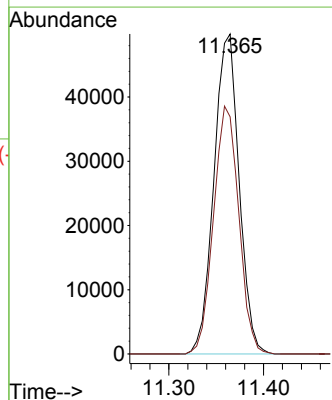
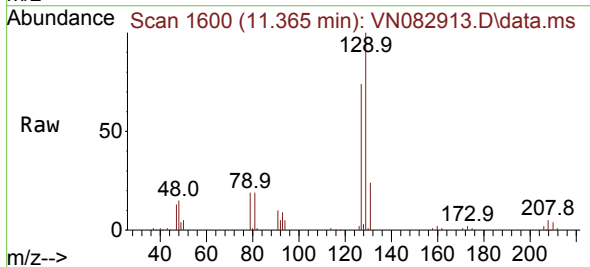
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

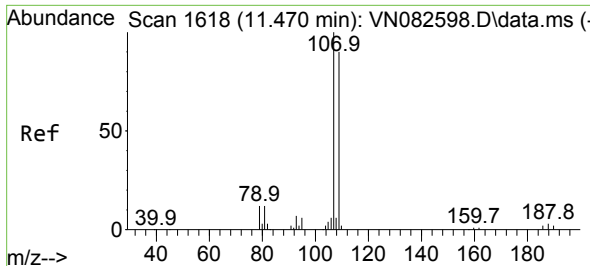
Tgt Ion: 43 Resp: 430161  
Ion Ratio Lower Upper  
43 100  
58 53.6 24.6 73.8



#60  
Dibromochloromethane  
Concen: 51.981 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. 0.006 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 129 Resp: 92069  
Ion Ratio Lower Upper  
129 100  
127 77.7 39.2 117.6

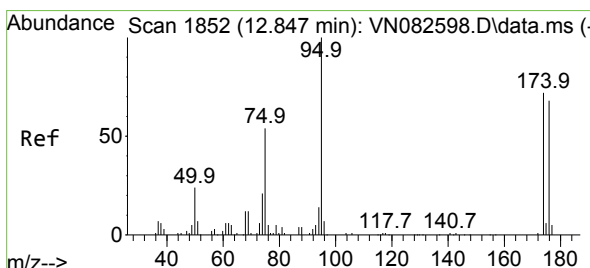
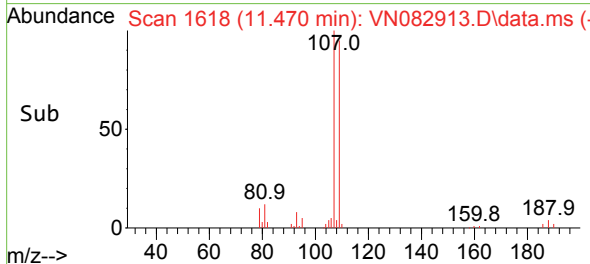
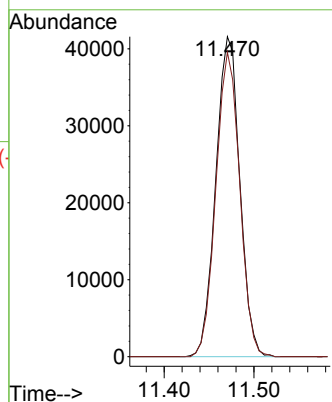
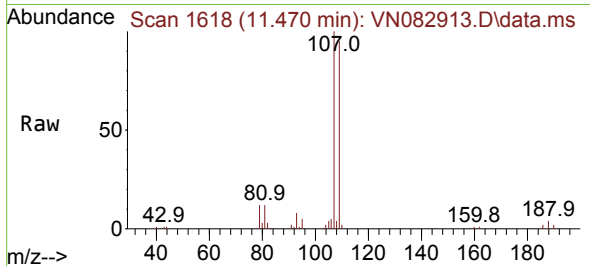




#61  
1,2-Dibromoethane  
Concen: 52.352 ug/l  
RT: 11.470 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

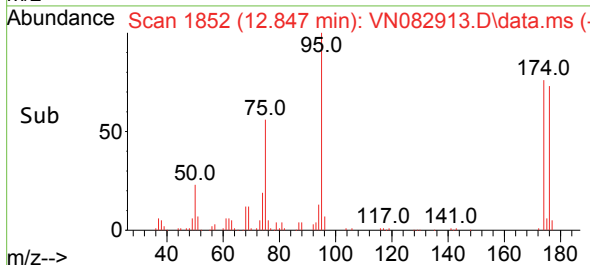
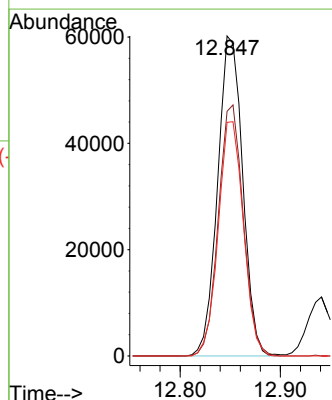
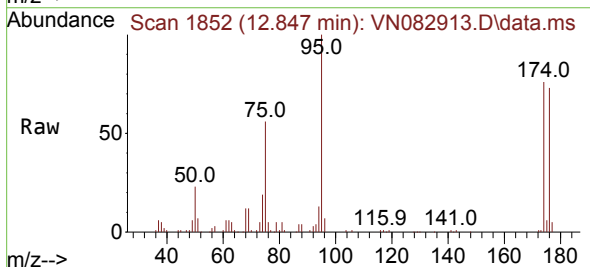
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

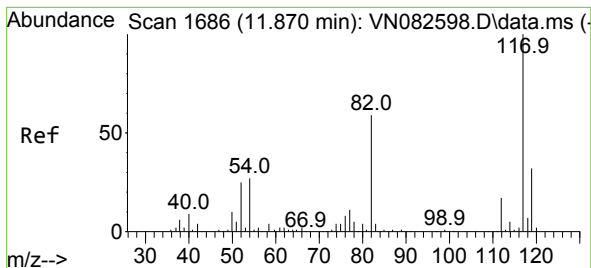
Tgt Ion:107 Resp: 77313  
Ion Ratio Lower Upper  
107 100  
109 94.4 73.7 110.5



#62  
4-Bromofluorobenzene  
Concen: 55.052 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 95 Resp: 104261  
Ion Ratio Lower Upper  
95 100  
174 77.9 0.0 159.2  
176 73.5 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

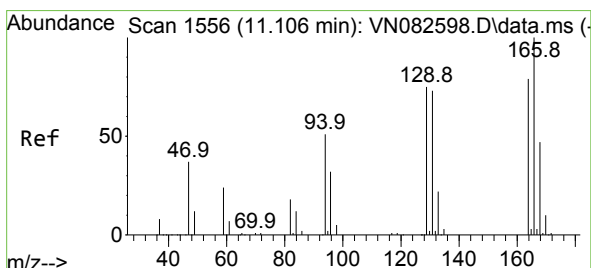
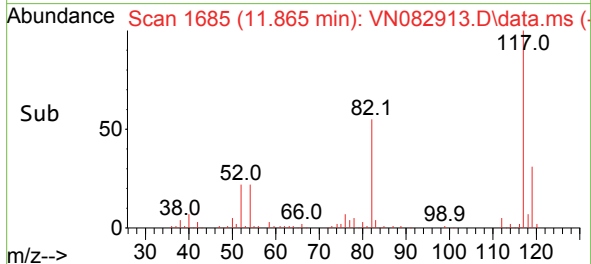
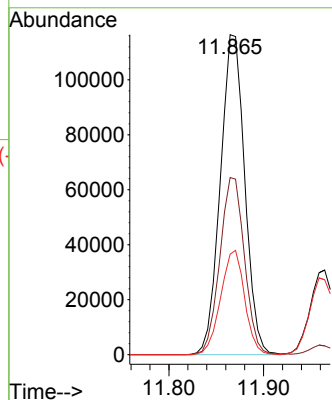
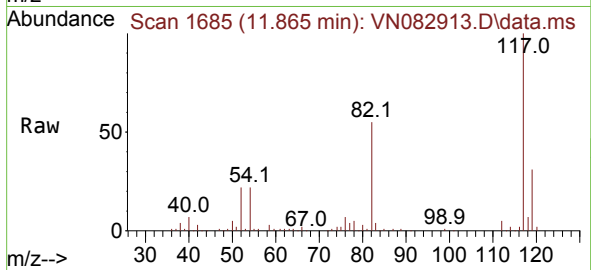
Tgt Ion:117 Resp: 209020

Ion Ratio Lower Upper

117 100

82 55.3 47.5 71.3

119 31.4 25.6 38.4



#64

Tetrachloroethene

Concen: 40.015 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Tgt Ion:164 Resp: 62401

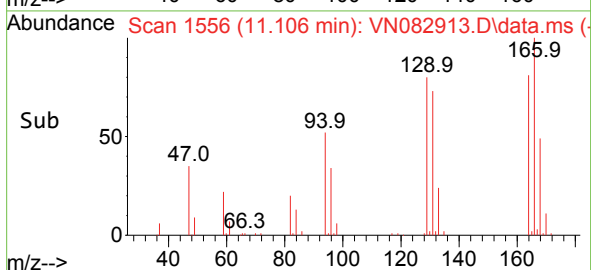
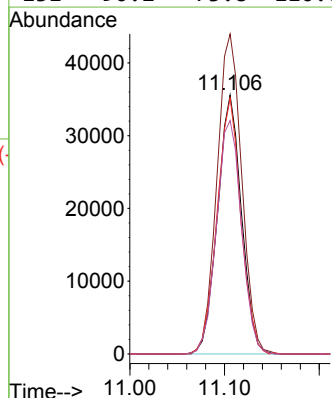
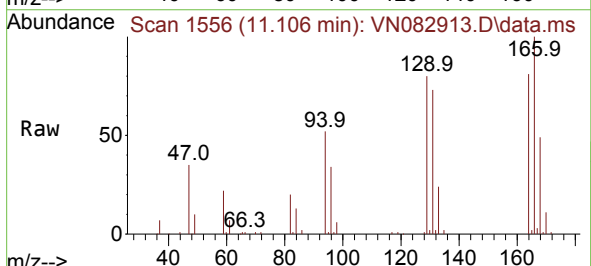
Ion Ratio Lower Upper

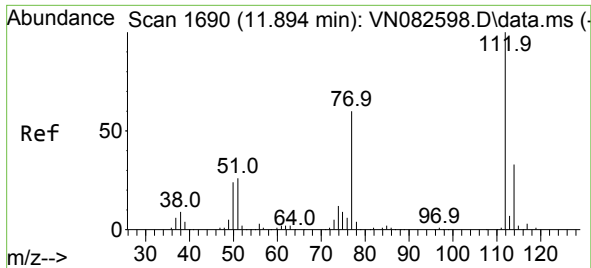
164 100

166 123.6 101.4 152.0

129 98.9 75.7 113.5

131 90.2 73.8 110.6

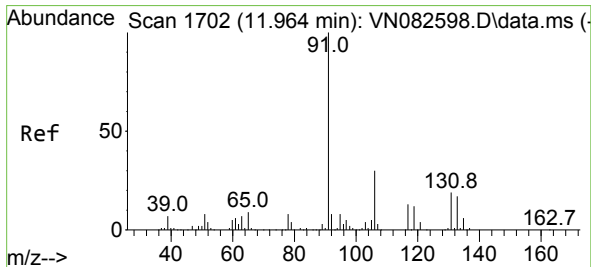
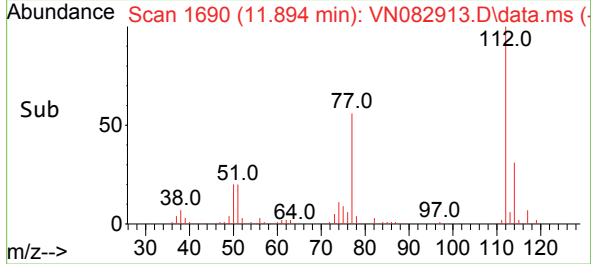
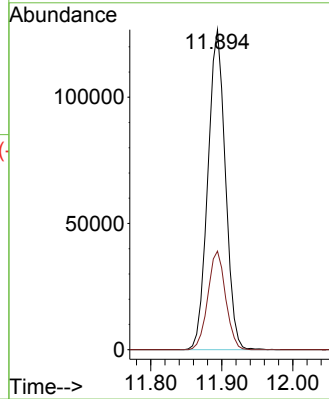
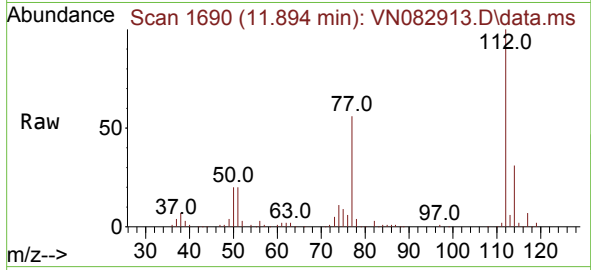




#65  
Chlorobenzene  
Concen: 48.489 ug/l  
RT: 11.894 min Scan# 1119  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

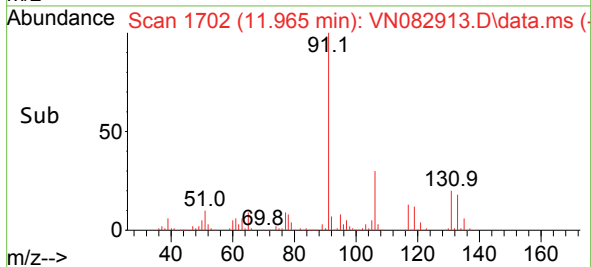
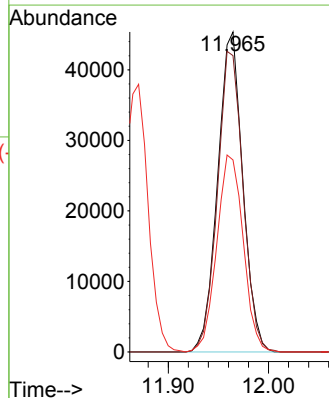
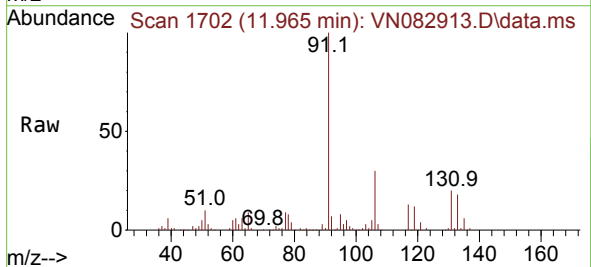
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

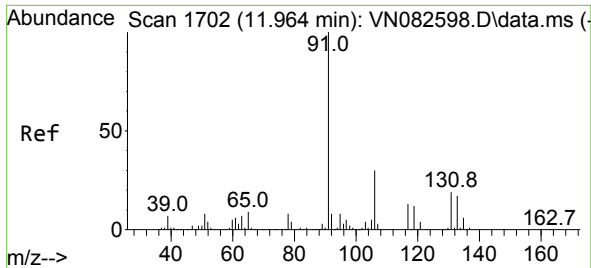
Tgt Ion:112 Resp: 217181  
Ion Ratio Lower Upper  
112 100  
114 30.8 26.2 39.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.509 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.001 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion:131 Resp: 78876  
Ion Ratio Lower Upper  
131 100  
133 95.6 47.3 142.0  
119 64.9 32.5 97.4

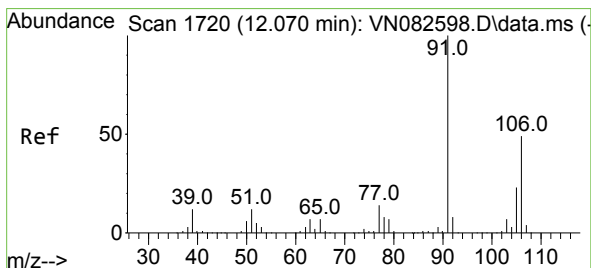
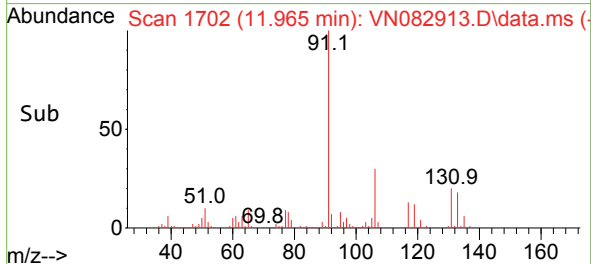
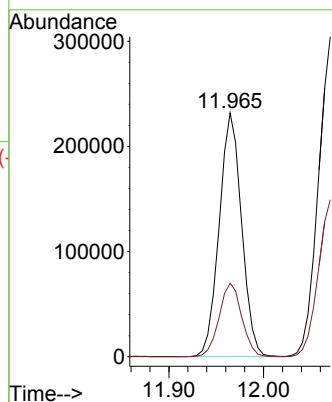
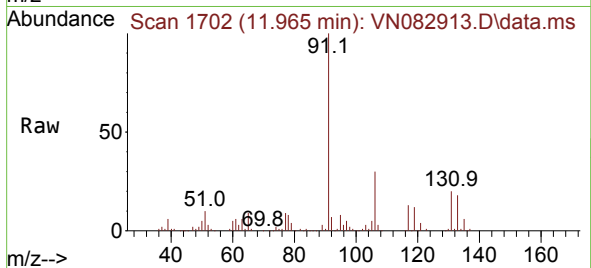




#67  
Ethyl Benzene  
Concen: 50.540 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.001 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

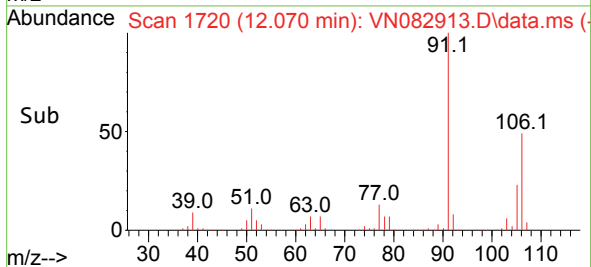
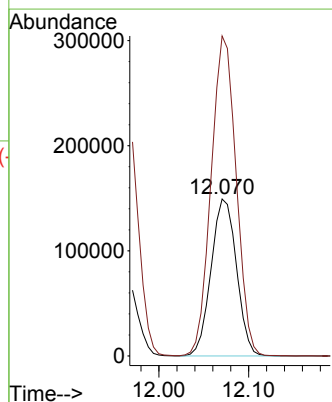
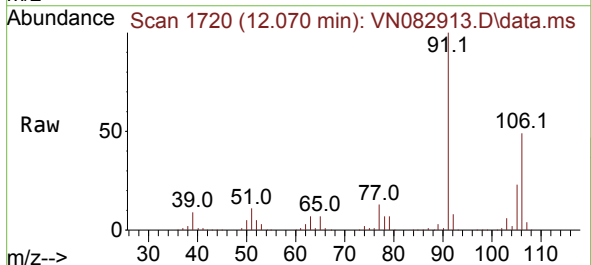
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

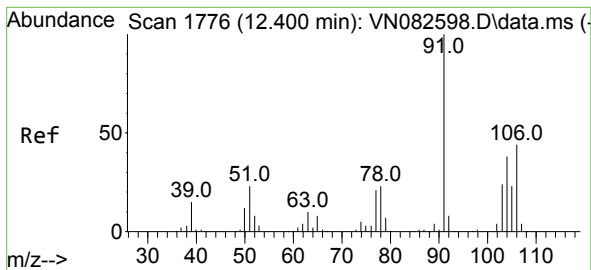
Tgt Ion: 91 Resp: 380453  
Ion Ratio Lower Upper  
91 100  
106 30.1 24.0 36.0



#68  
m/p-Xylenes  
Concen: 103.348 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion:106 Resp: 293719  
Ion Ratio Lower Upper  
106 100  
91 201.3 166.1 249.1





#69

o-Xylene

Concen: 51.358 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

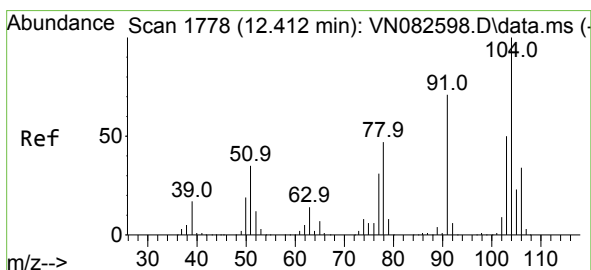
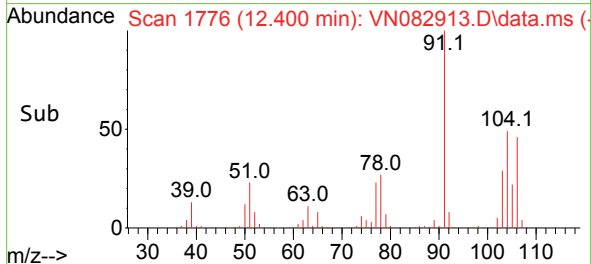
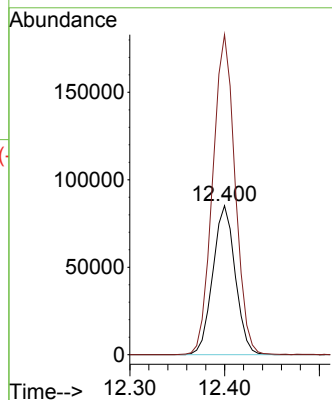
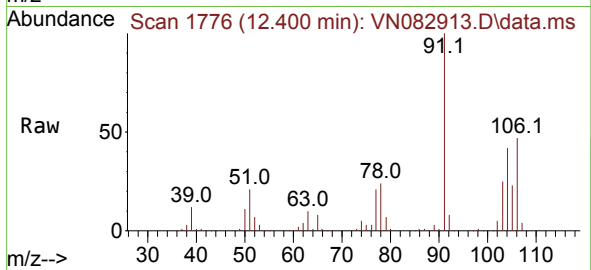
VSTDCCC050EC

Tgt Ion:106 Resp: 139857

Ion Ratio Lower Upper

106 100

91 215.0 111.3 333.9



#70

Styrene

Concen: 54.381 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

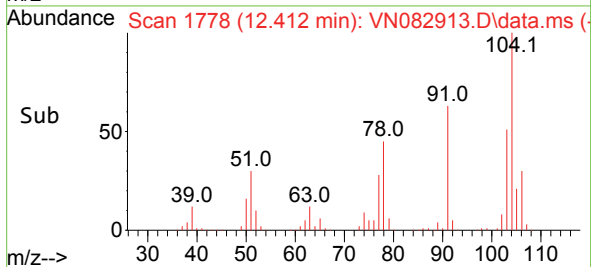
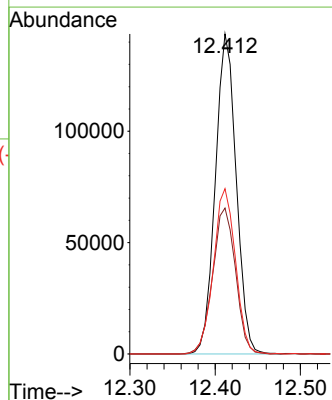
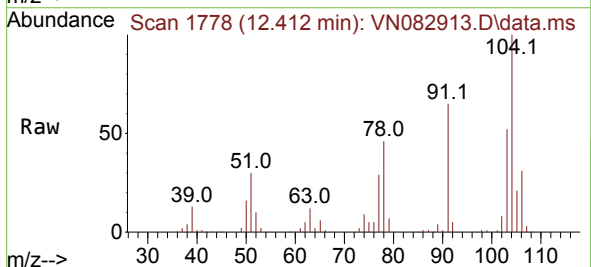
Tgt Ion:104 Resp: 244687

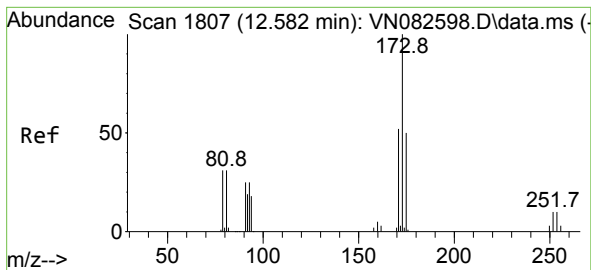
Ion Ratio Lower Upper

104 100

78 49.9 41.6 62.4

103 54.7 44.0 66.0





#71

Bromoform

Concen: 51.868 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.006 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

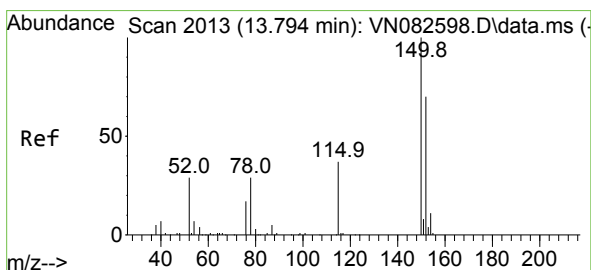
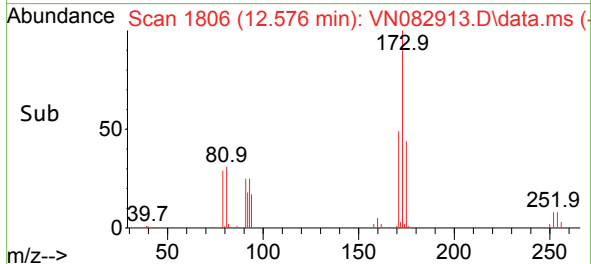
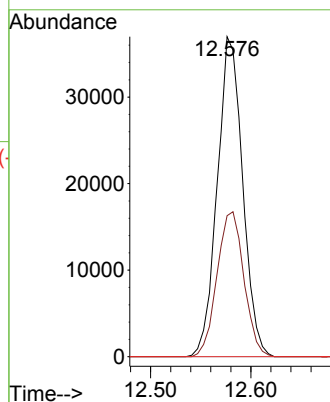
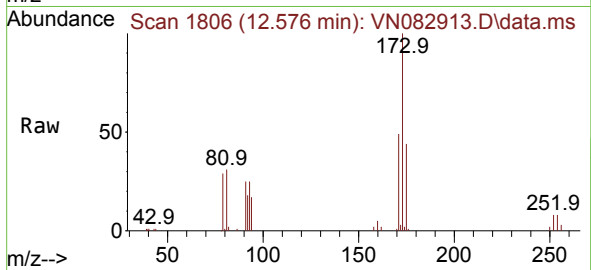
Tgt Ion:173 Resp: 64987

Ion Ratio Lower Upper

173 100

175 47.9 24.0 72.0

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: VN082913.D

Acq: 12 Jul 2024 20:43

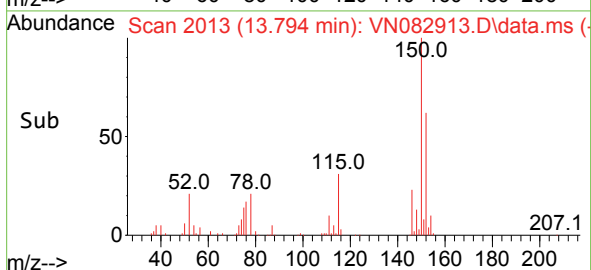
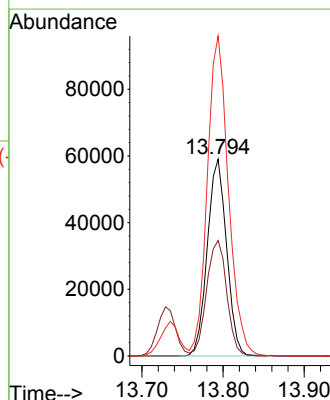
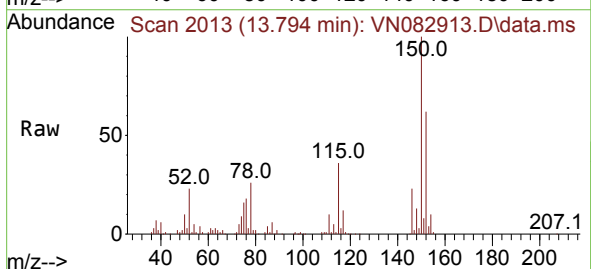
Tgt Ion:152 Resp: 97525

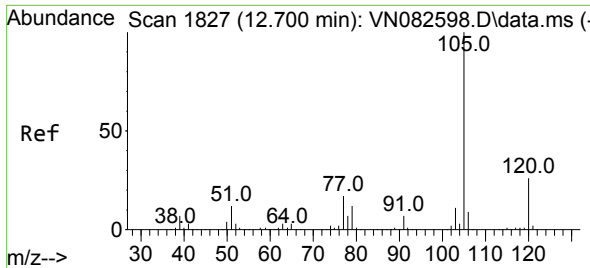
Ion Ratio Lower Upper

152 100

115 61.0 30.6 91.6

150 177.0 0.0 348.6

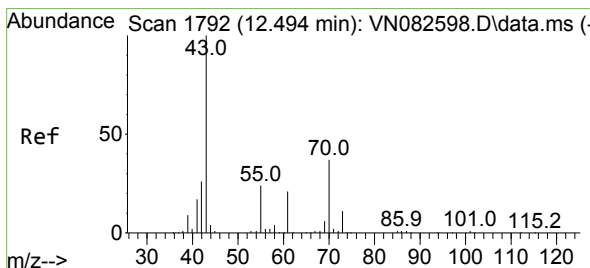
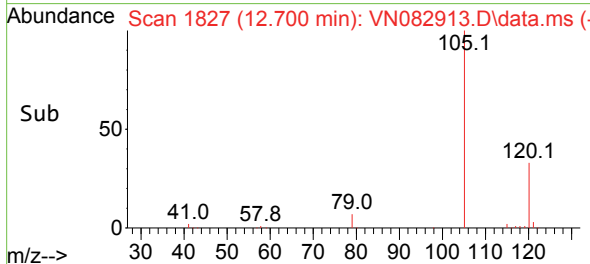
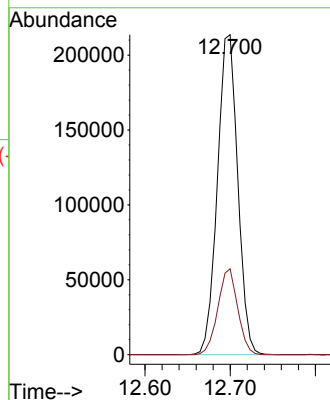
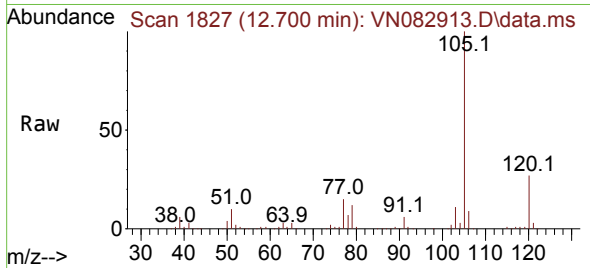




#73  
Isopropylbenzene  
Concen: 50.004 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

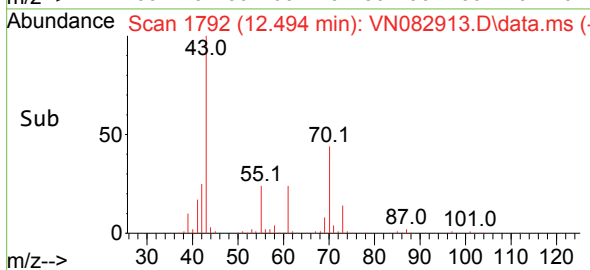
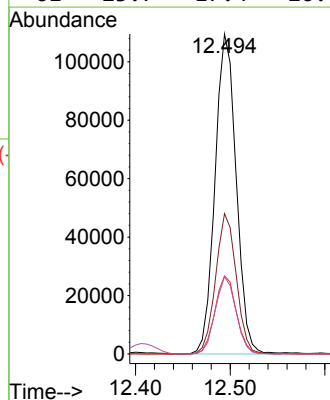
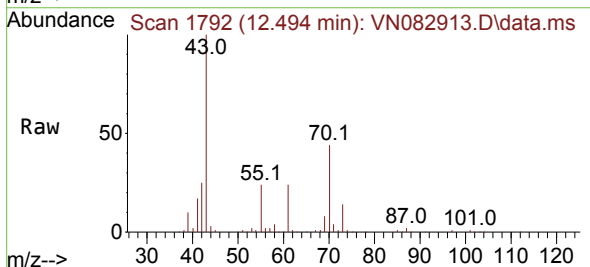
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

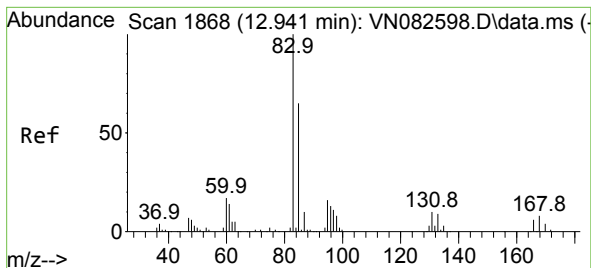
Tgt Ion:105 Resp: 354357  
Ion Ratio Lower Upper  
105 100  
120 26.2 12.9 38.6



#74  
N-ethyl acetate  
Concen: 57.980 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 43 Resp: 169955  
Ion Ratio Lower Upper  
43 100  
70 42.9 29.8 44.6  
55 24.7 18.7 28.1  
61 23.7 17.4 26.0

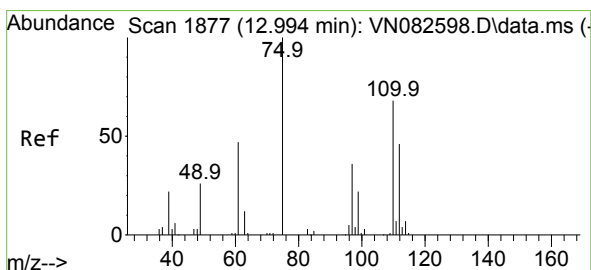
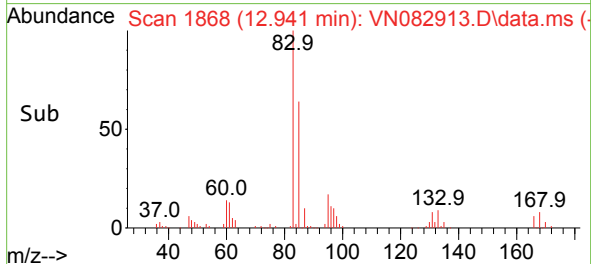
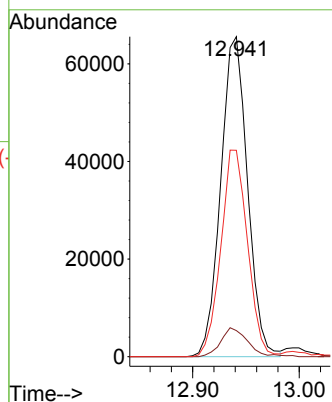
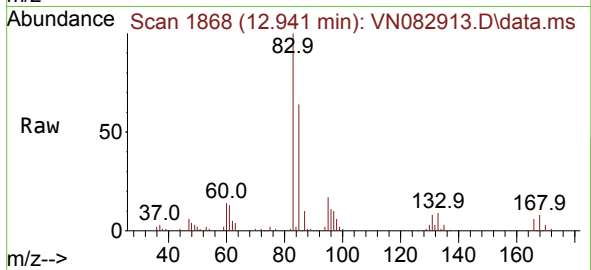




#75  
1,1,2,2-Tetrachloroethane  
Concen: 53.992 ug/l  
RT: 12.941 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

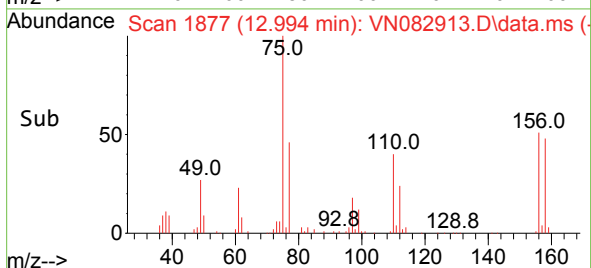
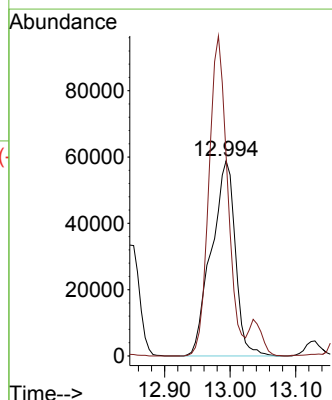
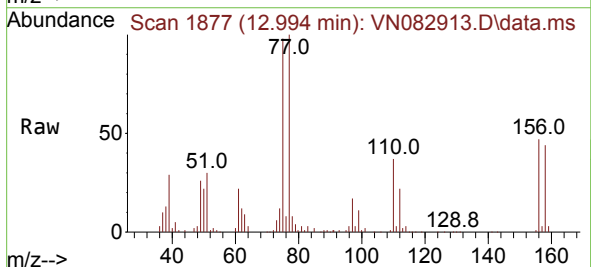
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

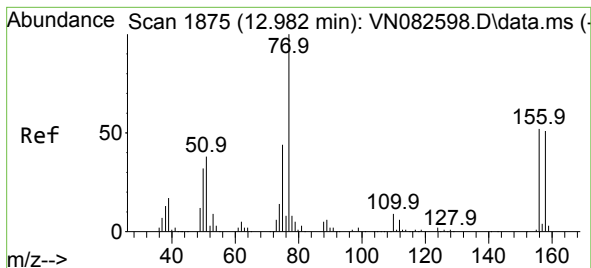
Tgt Ion: 83 Resp: 114592  
Ion Ratio Lower Upper  
83 100  
131 9.1 5.0 14.9  
85 64.3 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 88.635 ug/l  
RT: 12.994 min Scan# 1877  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 75 Resp: 149030  
Ion Ratio Lower Upper  
75 100  
77 128.1 110.9 332.6





#77

Bromobenzene

Concen: 47.964 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

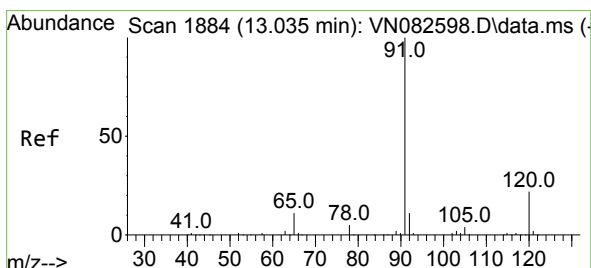
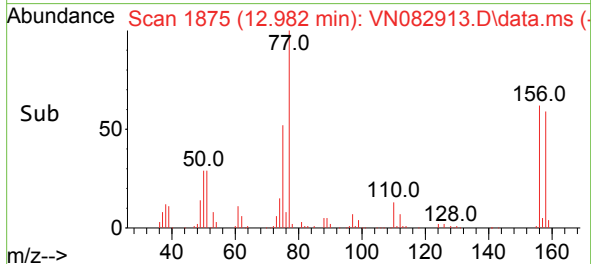
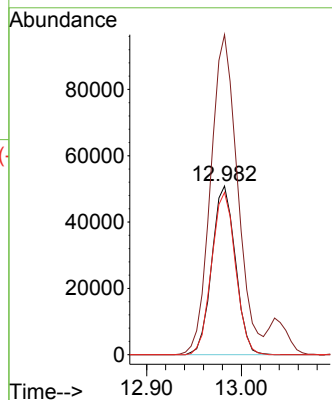
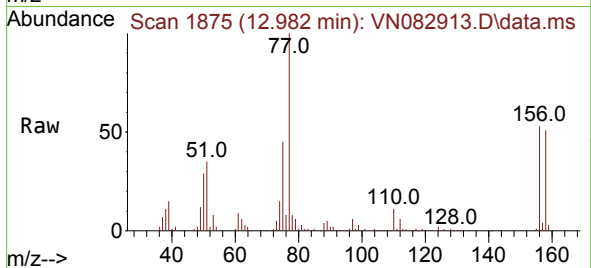
Tgt Ion:156 Resp: 87689

Ion Ratio Lower Upper

156 100

77 217.7 111.3 333.8

158 97.4 48.3 144.9



#78

n-propylbenzene

Concen: 50.443 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN082913.D

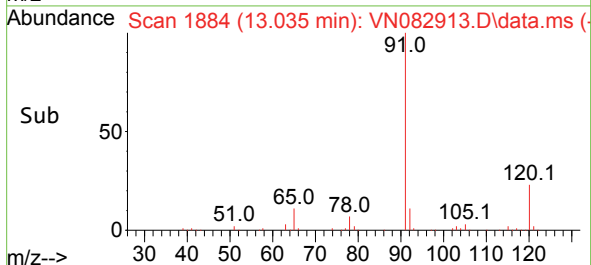
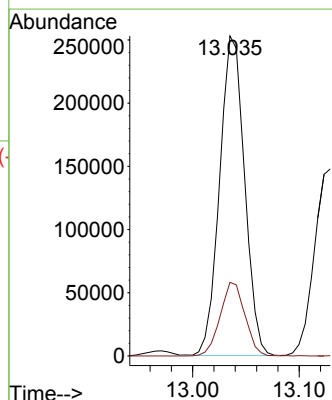
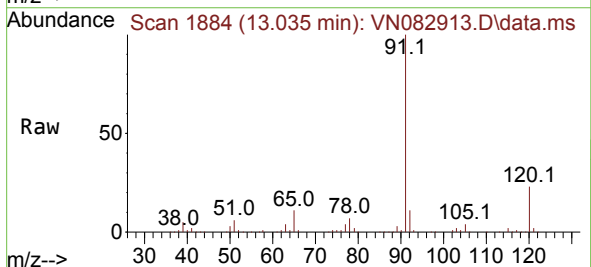
Acq: 12 Jul 2024 20:43

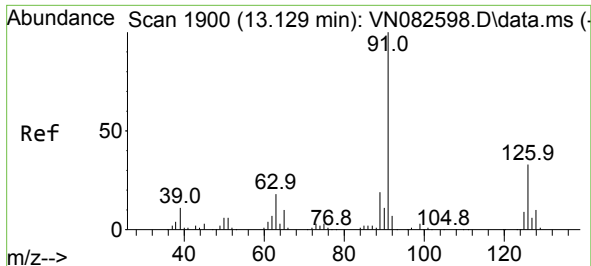
Tgt Ion: 91 Resp: 411008

Ion Ratio Lower Upper

91 100

120 22.9 10.9 32.9





#79

2-Chlorotoluene

Concen: 49.420 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

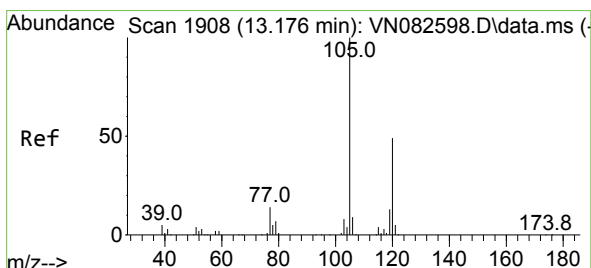
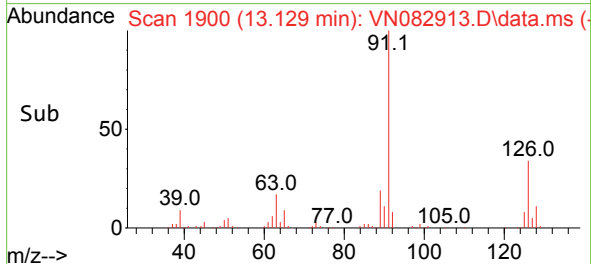
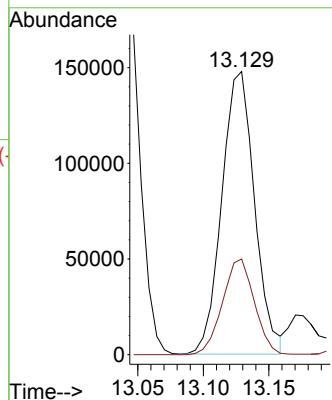
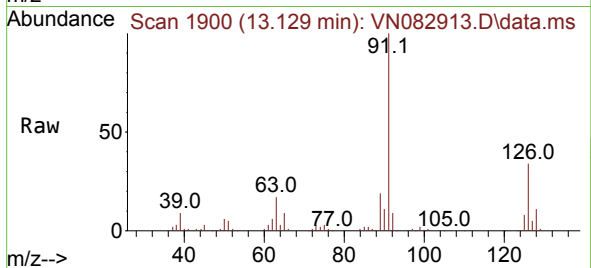
VSTDCCC050EC

Tgt Ion: 91 Resp: 256566

Ion Ratio Lower Upper

91 100

126 33.0 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 51.138 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN082913.D

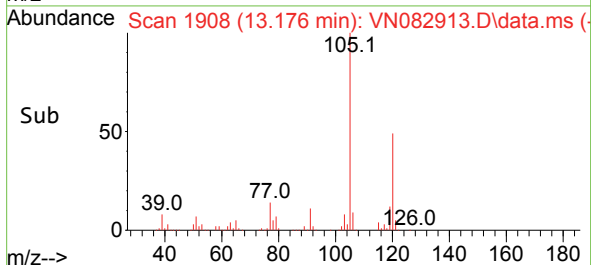
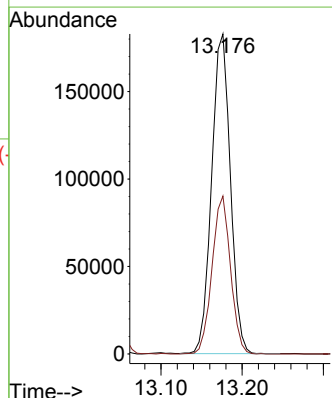
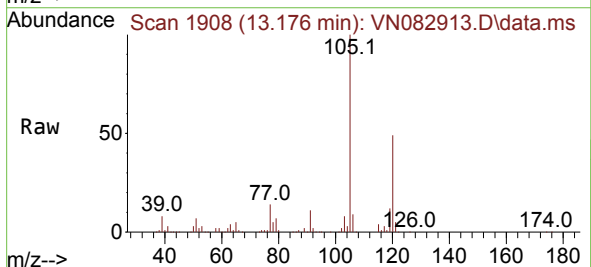
Acq: 12 Jul 2024 20:43

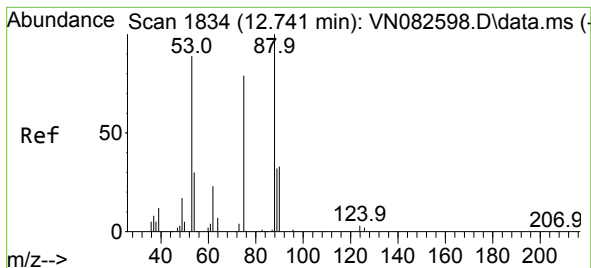
Tgt Ion: 105 Resp: 292932

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8

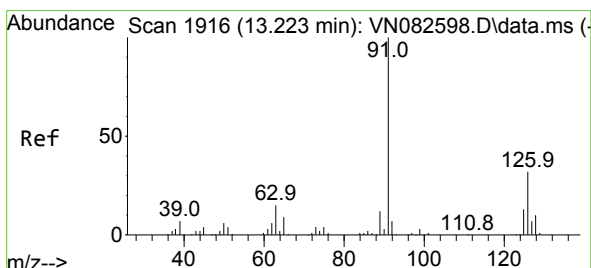
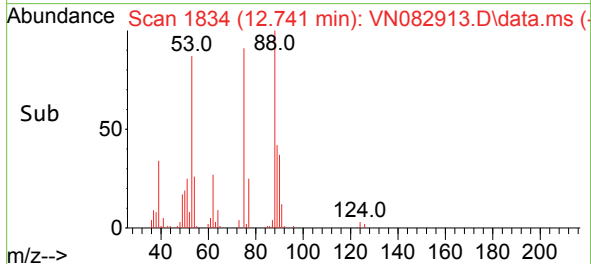
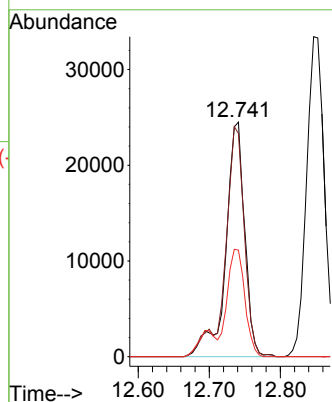
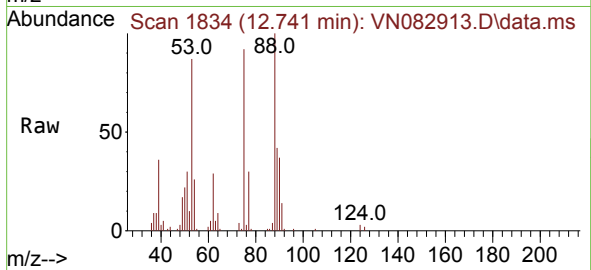




#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.187 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

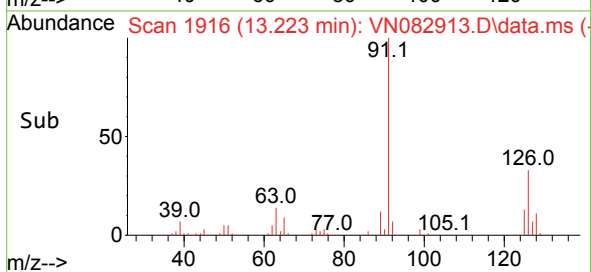
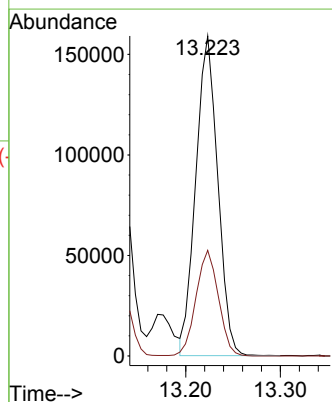
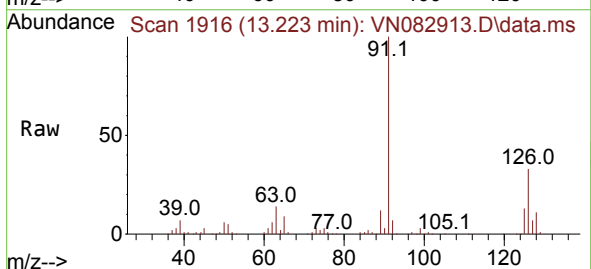
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

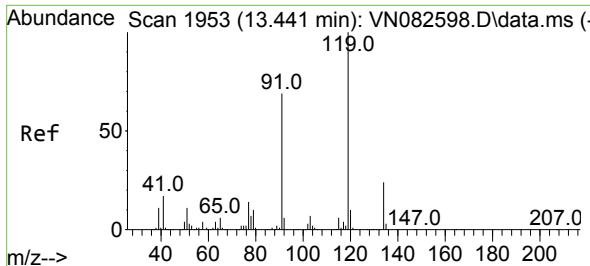
Tgt Ion: 75 Resp: 45471  
Ion Ratio Lower Upper  
75 100  
53 99.1 88.4 132.6  
89 42.5 36.3 54.5



#82  
4-Chlorotoluene  
Concen: 49.821 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 91 Resp: 256012  
Ion Ratio Lower Upper  
91 100  
126 33.8 16.2 48.6

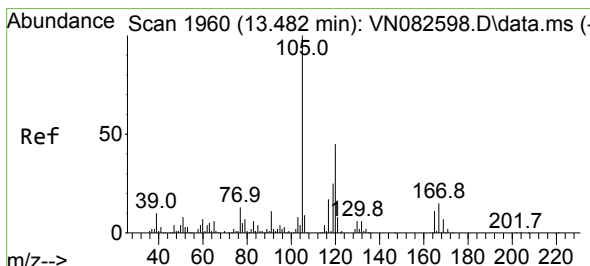
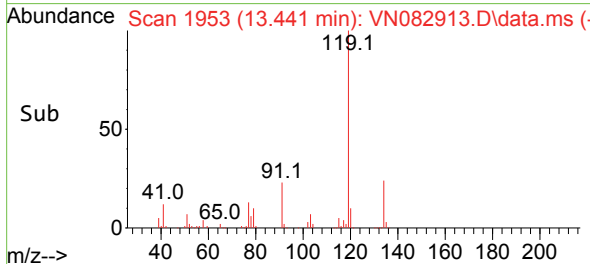
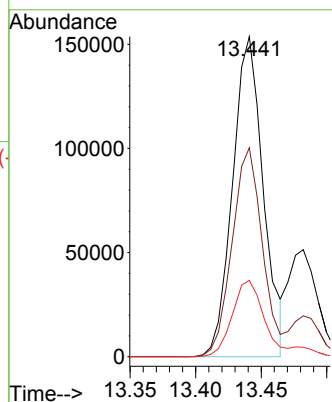
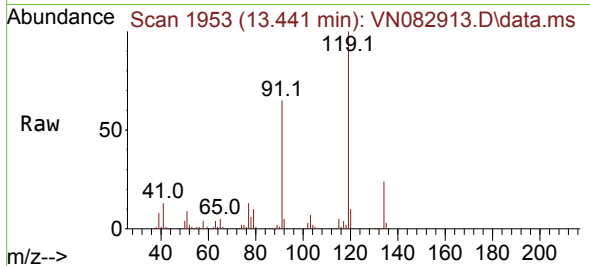




#83  
tert-Butylbenzene  
Concen: 49.280 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

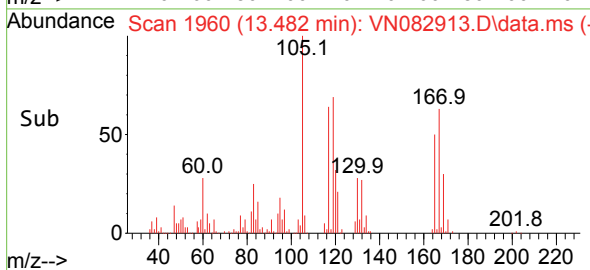
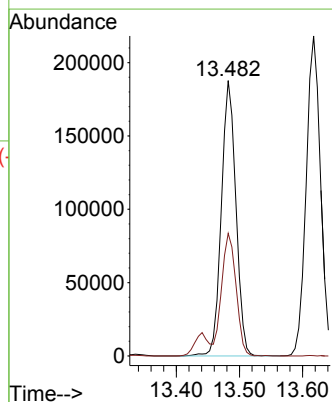
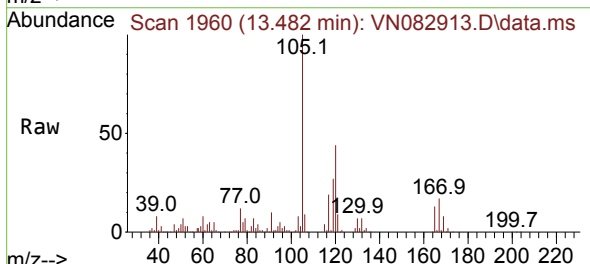
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

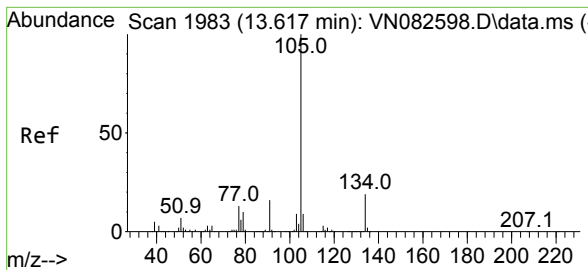
Tgt Ion:119 Resp: 250263  
Ion Ratio Lower Upper  
119 100  
91 64.2 35.0 105.1  
134 24.6 13.3 39.8



#84  
1,2,4-Trimethylbenzene  
Concen: 51.373 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion:105 Resp: 299936  
Ion Ratio Lower Upper  
105 100  
120 43.9 21.9 65.8

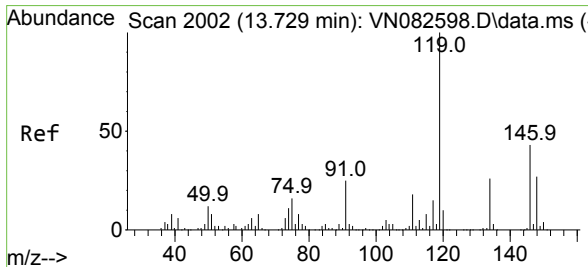
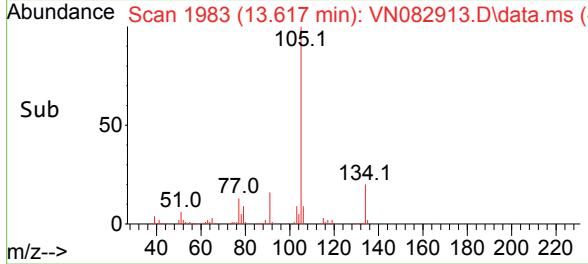
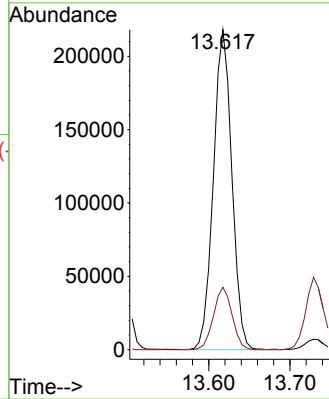
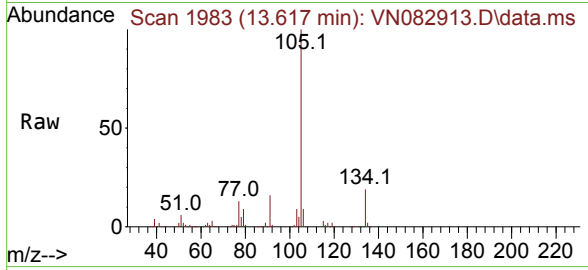




#85  
 sec-Butylbenzene  
 Concen: 50.209 ug/l  
 RT: 13.617 min Scan# 1983  
 Delta R.T. 0.000 min  
 Lab File: VN082913.D  
 Acq: 12 Jul 2024 20:43

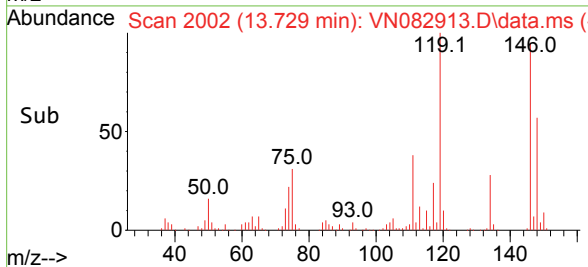
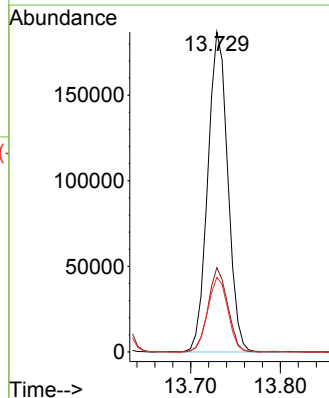
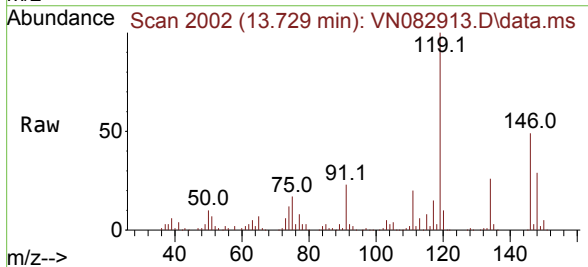
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

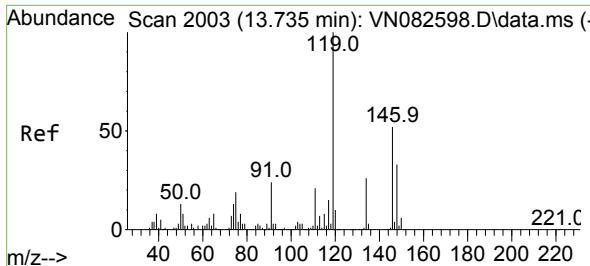
Tgt Ion:105 Resp: 344561  
 Ion Ratio Lower Upper  
 105 100  
 134 19.6 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 50.541 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN082913.D  
 Acq: 12 Jul 2024 20:43

Tgt Ion:119 Resp: 289378  
 Ion Ratio Lower Upper  
 119 100  
 134 25.8 13.0 39.0  
 91 23.6 12.3 36.9

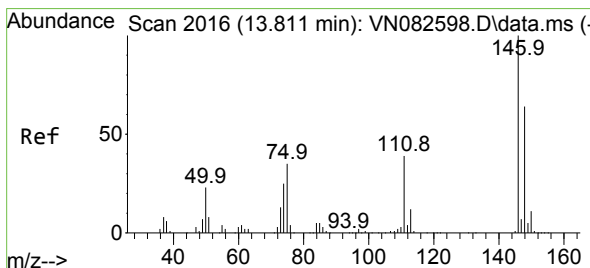
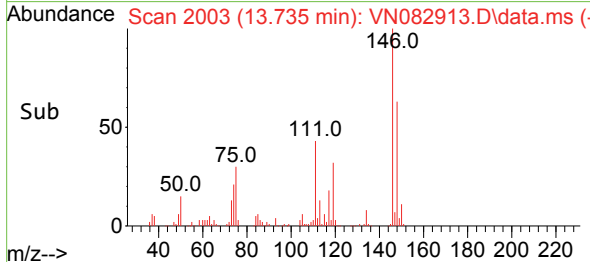
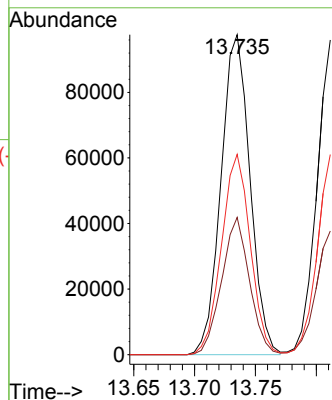
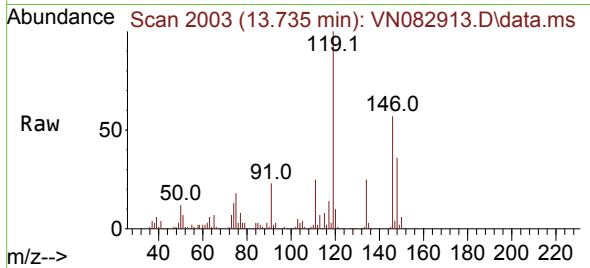




#87  
 1,3-Dichlorobenzene  
 Concen: 48.983 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN082913.D  
 Acq: 12 Jul 2024 20:43

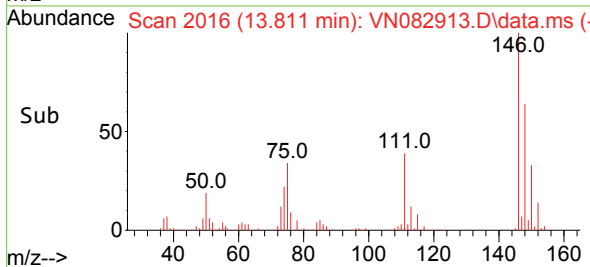
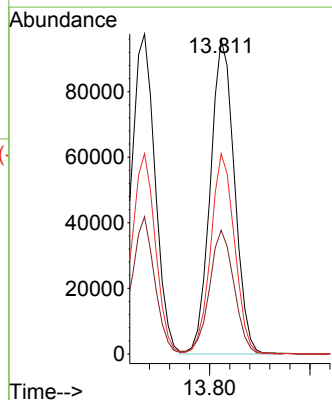
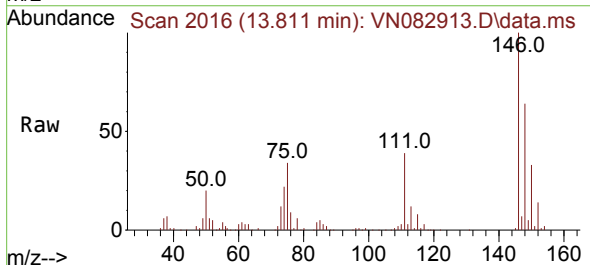
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

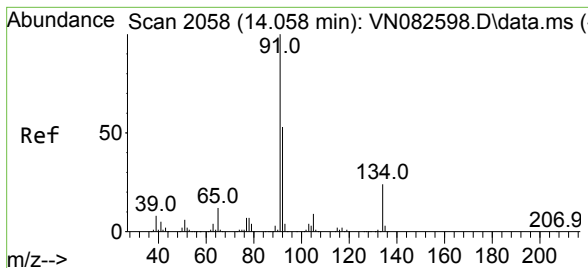
Tgt Ion:146 Resp: 161774  
 Ion Ratio Lower Upper  
 146 100  
 111 41.3 20.6 61.9  
 148 62.3 31.8 95.3



#88  
 1,4-Dichlorobenzene  
 Concen: 47.016 ug/l  
 RT: 13.811 min Scan# 2016  
 Delta R.T. 0.000 min  
 Lab File: VN082913.D  
 Acq: 12 Jul 2024 20:43

Tgt Ion:146 Resp: 160585  
 Ion Ratio Lower Upper  
 146 100  
 111 40.3 20.1 60.3  
 148 62.8 32.2 96.6





#89

n-Butylbenzene

Concen: 48.286 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.001 min

Lab File: VN082913.D

Acq: 12 Jul 2024 20:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

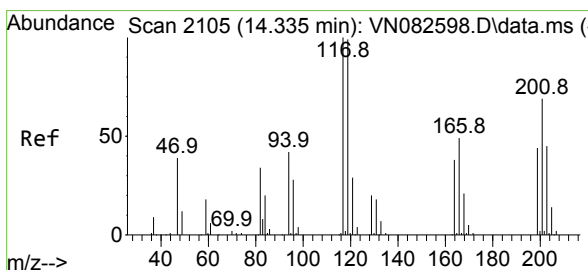
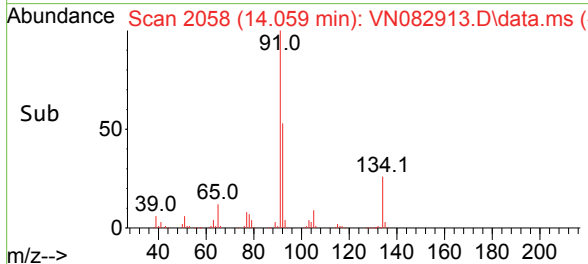
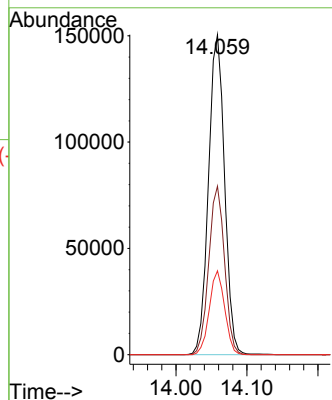
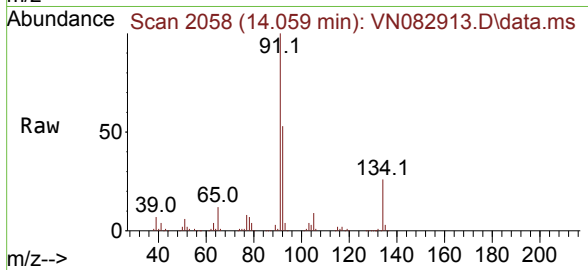
Tgt Ion: 91 Resp: 236859

Ion Ratio Lower Upper

91 100

92 51.7 26.1 78.3

134 25.1 12.1 36.3



#90

Hexachloroethane

Concen: 48.216 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. -0.000 min

Lab File: VN082913.D

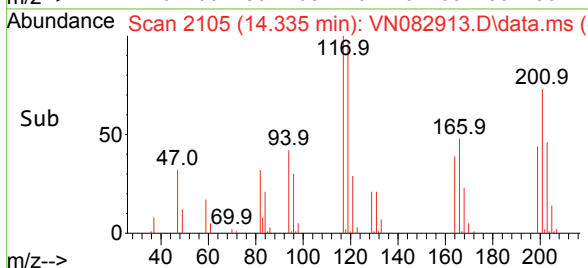
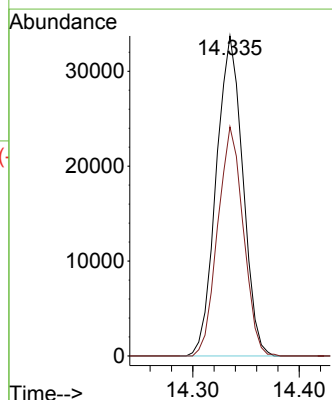
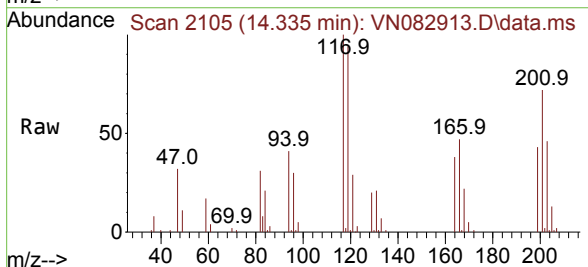
Acq: 12 Jul 2024 20:43

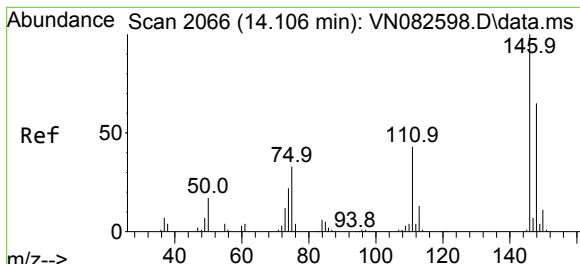
Tgt Ion: 117 Resp: 58415

Ion Ratio Lower Upper

117 100

201 68.9 35.8 107.3

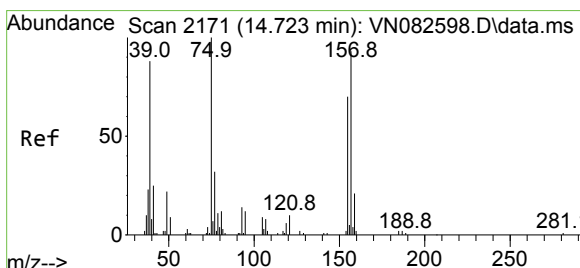
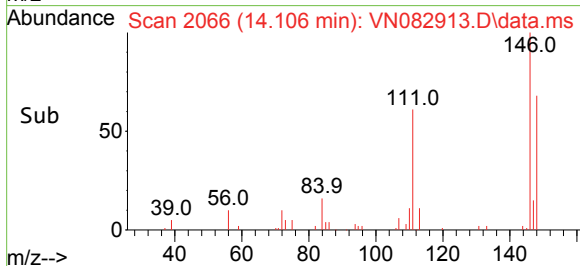
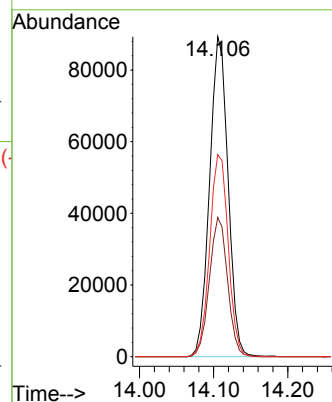
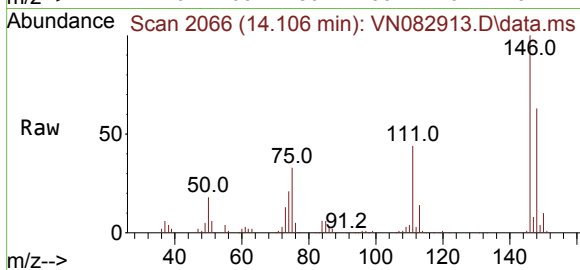




#91  
1,2-Dichlorobenzene  
Concen: 48.196 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

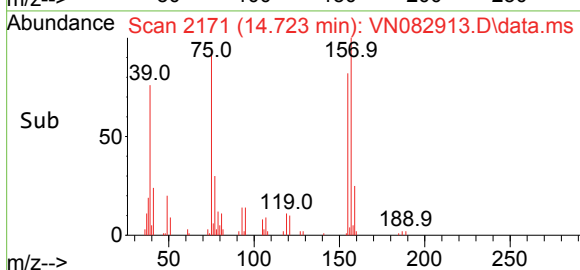
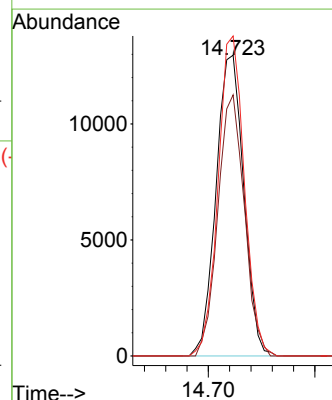
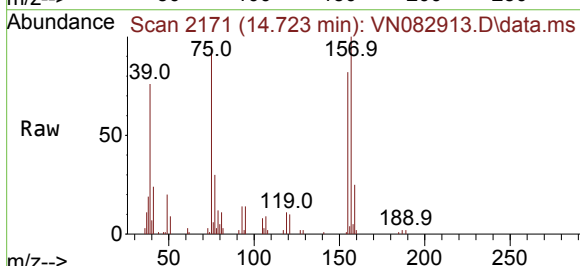
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

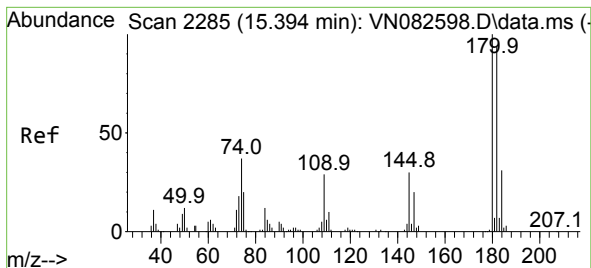
Tgt Ion:146 Resp: 154548  
Ion Ratio Lower Upper  
146 100  
111 42.9 21.4 64.2  
148 63.5 32.1 96.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 47.627 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion: 75 Resp: 23385  
Ion Ratio Lower Upper  
75 100  
155 82.9 36.6 109.8  
157 100.7 46.9 140.6

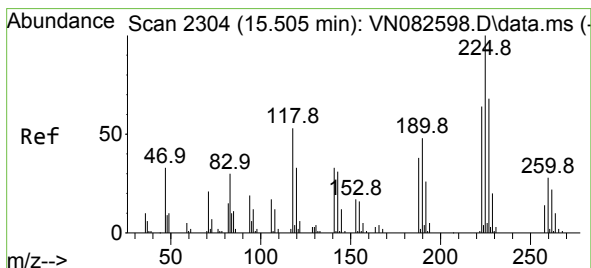
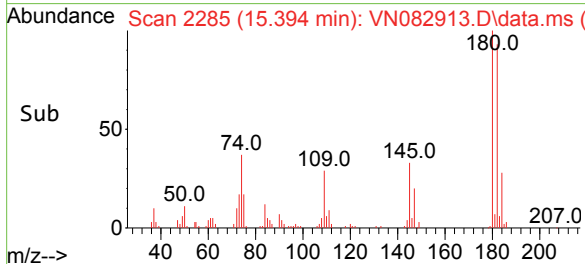
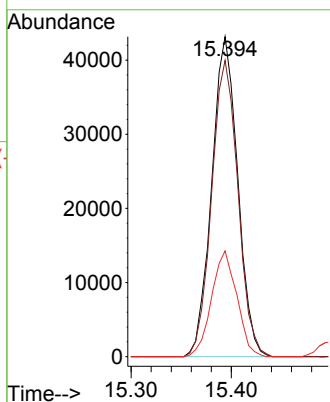
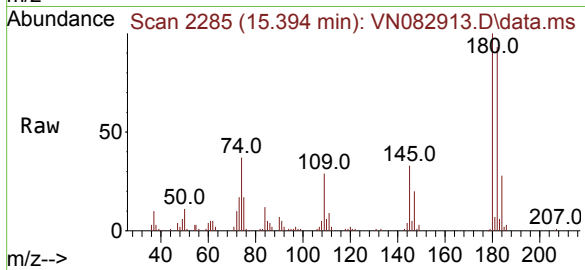




#93  
1,2,4-Trichlorobenzene  
Concen: 44.978 ug/l  
RT: 15.394 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

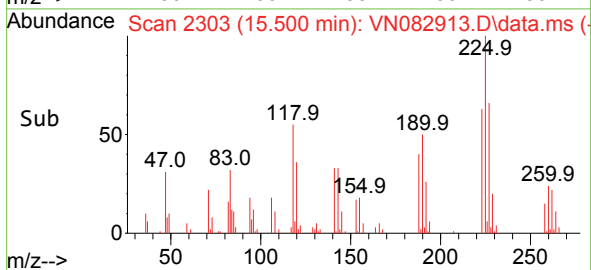
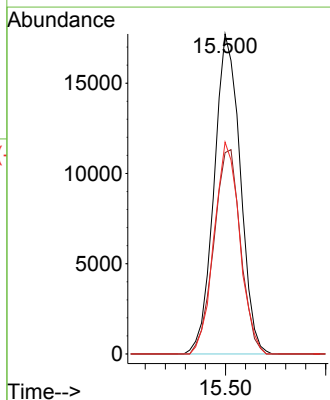
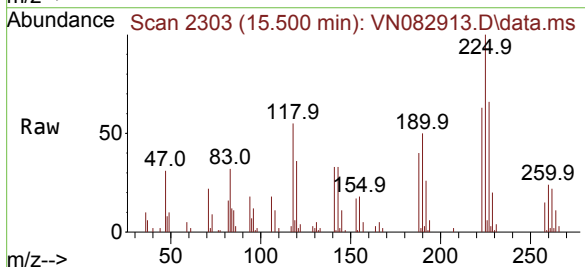
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

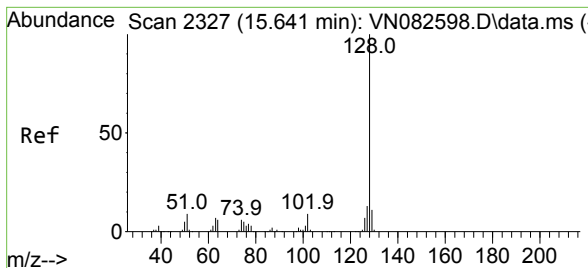
Tgt Ion:180 Resp: 77689  
Ion Ratio Lower Upper  
180 100  
182 93.6 47.3 141.8  
145 32.3 15.7 47.1



#94  
Hexachlorobutadiene  
Concen: 41.753 ug/l  
RT: 15.500 min Scan# 2303  
Delta R.T. -0.005 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion:225 Resp: 31971  
Ion Ratio Lower Upper  
225 100  
223 65.3 31.9 95.7  
227 65.2 32.5 97.5

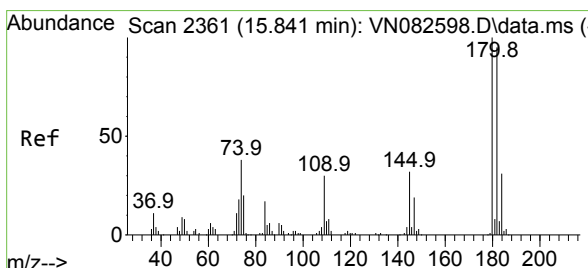
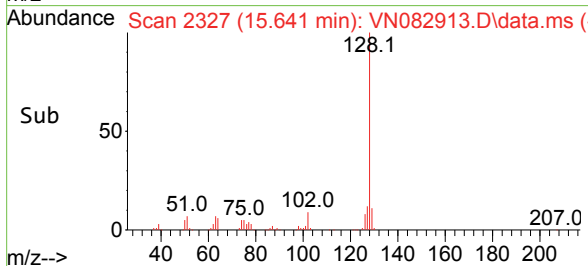
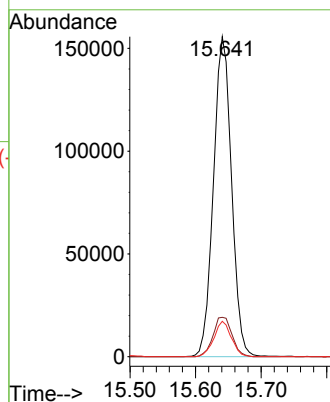
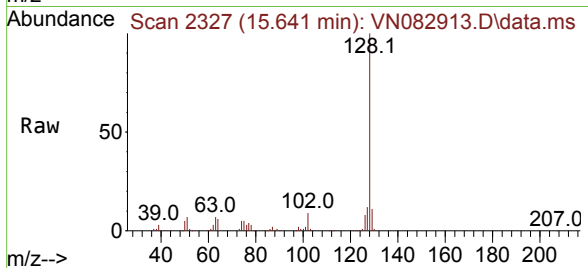




#95  
Naphthalene  
Concen: 50.372 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 297998  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 16.0  
129 10.6 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 45.291 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. -0.000 min  
Lab File: VN082913.D  
Acq: 12 Jul 2024 20:43

Tgt Ion:180 Resp: 80435  
Ion Ratio Lower Upper  
180 100  
182 96.1 48.9 146.8  
145 32.8 16.8 50.4

