

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120123\  
 Data File : VN080315.D  
 Acq On : 01 Dec 2023 11:14  
 Operator : JC\MD  
 Sample : VN1201WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 01 22:31:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 17 01:19:32 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 226591   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 347251   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 309462   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 148615   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 179102   | 47.871   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.740%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 131745   | 51.418   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 102.840% |
| 50) Toluene-d8              | 10.565 | 98    | 467650   | 50.631   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 101.260% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 172461   | 49.433   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 98.860%  |

|                              |       |     |        |        |      |     |
|------------------------------|-------|-----|--------|--------|------|-----|
| Target Compounds             |       |     |        | Qvalue |      |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 64893  | 19.226 | ug/l | 98  |
| 3) Chloromethane             | 2.365 | 50  | 43063  | 16.970 | ug/l | 97  |
| 4) Vinyl Chloride            | 2.518 | 62  | 48340  | 18.001 | ug/l | 98  |
| 5) Bromomethane              | 2.959 | 94  | 33685  | 18.477 | ug/l | 99  |
| 6) Chloroethane              | 3.124 | 64  | 31641  | 17.948 | ug/l | 92  |
| 7) Trichlorofluoromethane    | 3.500 | 101 | 107756 | 19.235 | ug/l | 99  |
| 8) Diethyl Ether             | 3.959 | 74  | 27823  | 17.078 | ug/l | 89  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 46855  | 18.299 | ug/l | 90  |
| 10) Methyl Iodide            | 4.589 | 142 | 48124  | 17.391 | ug/l | 90  |
| 11) Tert butyl alcohol       | 5.512 | 59  | 33358  | 81.077 | ug/l | 99  |
| 12) 1,1-Dichloroethene       | 4.347 | 96  | 44504  | 18.583 | ug/l | 92  |
| 13) Acrolein                 | 4.177 | 56  | 26456  | 72.658 | ug/l | 95  |
| 14) Allyl chloride           | 5.018 | 41  | 51823  | 17.199 | ug/l | 91  |
| 15) Acrylonitrile            | 5.718 | 53  | 89056  | 80.629 | ug/l | 96  |
| 16) Acetone                  | 4.430 | 43  | 89154  | 70.946 | ug/l | 96  |
| 17) Carbon Disulfide         | 4.712 | 76  | 121916 | 17.049 | ug/l | 98  |
| 18) Methyl Acetate           | 5.024 | 43  | 61188  | 15.155 | ug/l | 97  |
| 19) Methyl tert-butyl Ether  | 5.794 | 73  | 152379 | 18.017 | ug/l | 100 |
| 20) Methylene Chloride       | 5.283 | 84  | 48362  | 18.377 | ug/l | 96  |
| 21) trans-1,2-Dichloroethene | 5.789 | 96  | 49582  | 18.845 | ug/l | 85  |
| 22) Diisopropyl ether        | 6.671 | 45  | 120448 | 18.068 | ug/l | 98  |
| 23) Vinyl Acetate            | 6.606 | 43  | 340453 | 84.948 | ug/l | 94  |
| 24) 1,1-Dichloroethane       | 6.571 | 63  | 87468  | 18.015 | ug/l | 96  |
| 25) 2-Butanone               | 7.483 | 43  | 108772 | 72.853 | ug/l | 93  |
| 26) 2,2-Dichloropropane      | 7.494 | 77  | 91316  | 18.956 | ug/l | 96  |
| 27) cis-1,2-Dichloroethene   | 7.488 | 96  | 55080  | 18.465 | ug/l | 89  |
| 28) Bromochloromethane       | 7.812 | 49  | 34245  | 17.940 | ug/l | 99  |
| 29) Tetrahydrofuran          | 7.841 | 42  | 64589  | 80.578 | ug/l | 97  |
| 30) Chloroform               | 7.965 | 83  | 103492 | 19.070 | ug/l | 97  |
| 31) Cyclohexane              | 8.259 | 56  | 68964  | 16.949 | ug/l | 96  |
| 32) 1,1,1-Trichloroethane    | 8.171 | 97  | 102685 | 19.402 | ug/l | 98  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 73230  | 19.740 | ug/l | 95  |
| 37) Ethyl Acetate            | 7.559 | 43  | 43459  | 16.889 | ug/l | 98  |
| 38) Carbon Tetrachloride     | 8.359 | 117 | 94344  | 20.041 | ug/l | 97  |
| 39) Methylcyclohexane        | 9.606 | 83  | 66654  | 18.635 | ug/l | 94  |
| 40) Benzene                  | 8.606 | 78  | 202055 | 19.164 | ug/l | 97  |

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 Operator : JC\MD  
 Sample : VN1201WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 01 22:31:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 17 01:19:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 24119    | 17.068  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 90267    | 20.927  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 74798    | 14.938  | ug/l   | 97       |
| 44) Trichloroethene           | 9.353  | 130  | 55289    | 19.992  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 48207    | 19.675  | ug/l   | 98       |
| 46) Dibromomethane            | 9.712  | 93   | 35601    | 19.195  | ug/l   | 90       |
| 47) Bromodichloromethane      | 9.888  | 83   | 82975    | 20.338  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.682  | 41   | 45211    | 17.521  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 14944    | 348.113 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 223228   | 86.109  | ug/l   | 98       |
| 52) Toluene                   | 10.629 | 92   | 130045   | 19.709  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 78722    | 18.780  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 83260    | 19.442  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 49616    | 19.702  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 47999    | 18.657  | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 84879    | 19.304  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 111780   | 77.123  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 163687   | 78.578  | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.359 | 129  | 60577    | 20.092  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 48245    | 18.779  | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.106 | 164  | 58831    | 24.910  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.894 | 112  | 133501   | 19.038  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 57024    | 20.956  | ug/l   | 91       |
| 67) Ethyl Benzene             | 11.965 | 91   | 245934   | 19.710  | ug/l   | 94       |
| 68) m/p-Xylenes               | 12.070 | 106  | 185416   | 40.755  | ug/l   | 88       |
| 69) o-Xylene                  | 12.400 | 106  | 85695    | 19.987  | ug/l   | 84       |
| 70) Styrene                   | 12.412 | 104  | 128874   | 20.195  | ug/l   | 92       |
| 71) Bromoform                 | 12.576 | 173  | 40987    | 20.311  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.700 | 105  | 232238   | 20.110  | ug/l   | 97       |
| 74) N-amyl acetate            | 12.494 | 43   | 56187    | 15.602  | ug/l # | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 56516    | 16.351  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 85166    | 23.389  | ug/l   | 79       |
| 77) Bromobenzene              | 12.982 | 156  | 56833    | 19.519  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.035 | 91   | 254305   | 19.692  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 165849   | 19.774  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 200660   | 19.960  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 17964    | 16.668  | ug/l   | 85       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 168725   | 19.636  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 156644   | 19.431  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 200528   | 20.258  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 202945   | 19.900  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 185065   | 20.314  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 100646   | 19.186  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 98056    | 18.600  | ug/l   | 96       |
| 89) n-Butylbenzene            | 14.059 | 91   | 141162   | 18.513  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.335 | 117  | 32900    | 18.524  | ug/l   | 69       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 94854    | 18.896  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 13283    | 16.545  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 46895    | 16.062  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 30902    | 18.392  | ug/l   | 97       |
| 95) Naphthalene               | 15.641 | 128  | 114582   | 13.534  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 42251    | 15.439  | ug/l   | 96       |

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Sample : VN1201WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Dec 01 22:31:19 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N111623W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 17 01:19:32 2023  
Response via : Initial Calibration

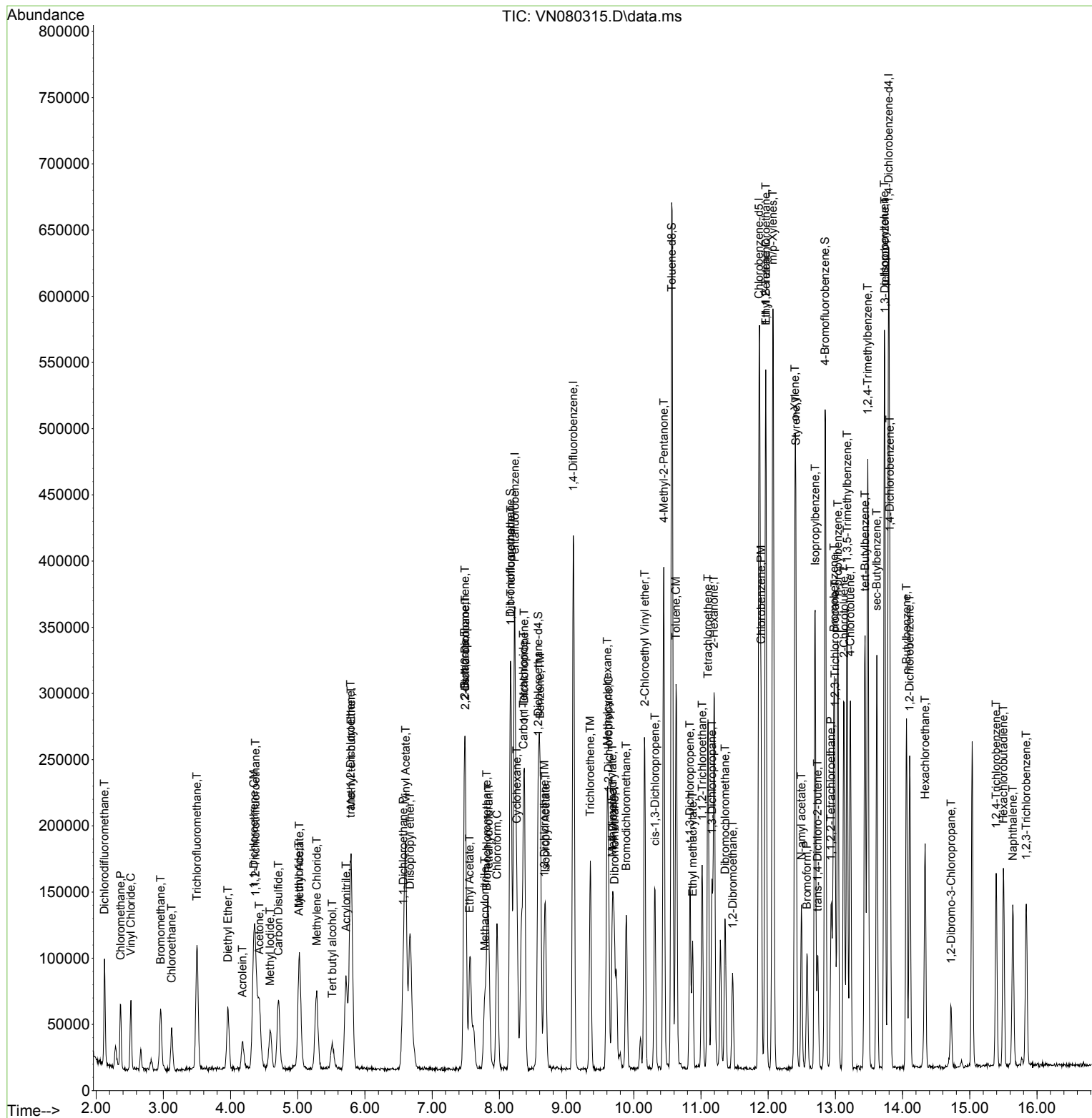
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

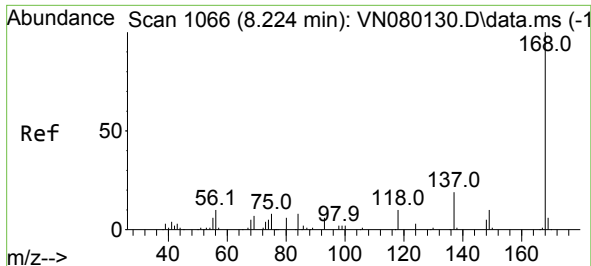
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 Data File : VN080315.D  
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 Sample : VN1201WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
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Quant Time: Dec 01 22:31:19 2023  
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 Quant Title : SW846 8260  
 QLast Update : Fri Nov 17 01:19:32 2023  
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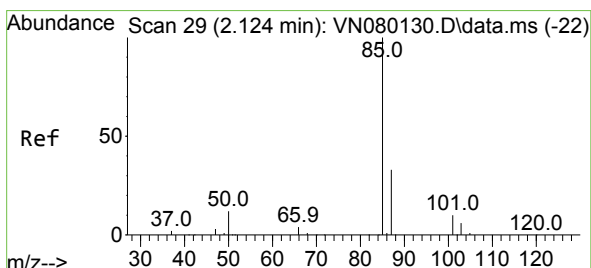
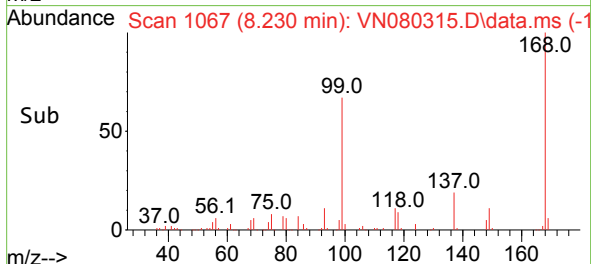
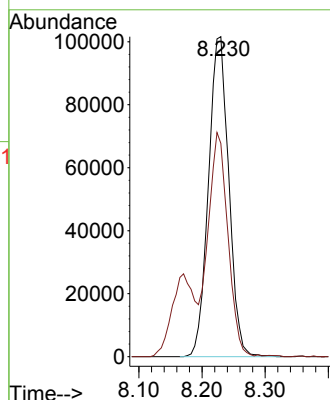
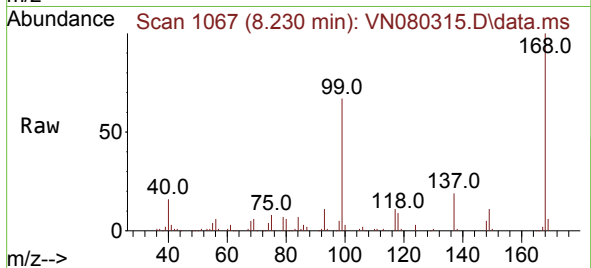




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

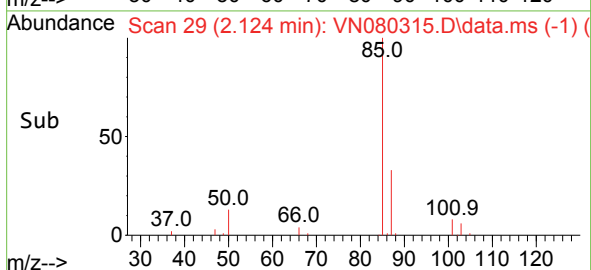
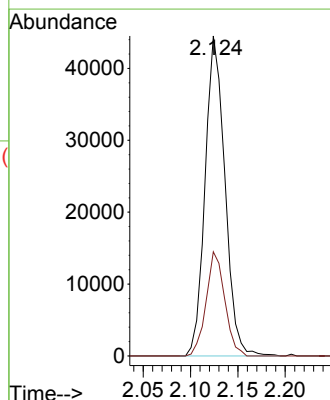
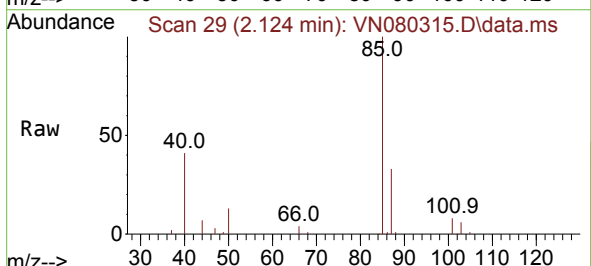
Instrument :  
MSVOA\_N  
ClientSampleId :

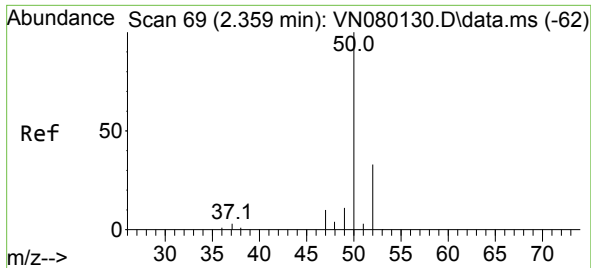
Tgt Ion:168 Resp: 226591  
Ion Ratio Lower Upper  
168 100  
99 66.3 53.0 79.6



#2  
Dichlorodifluoromethane  
Concen: 19.226 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 85 Resp: 64893  
Ion Ratio Lower Upper  
85 100  
87 32.5 15.8 47.4

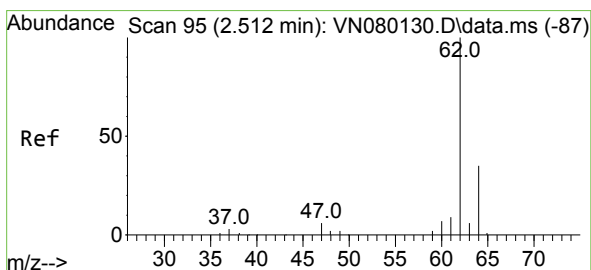
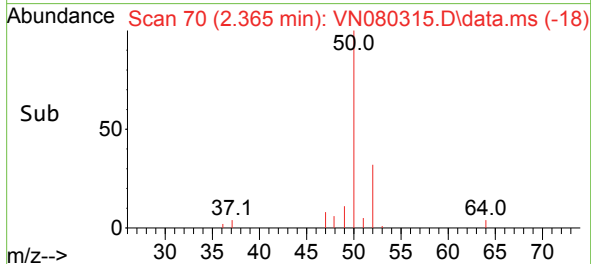
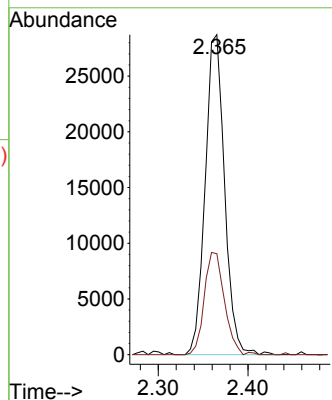
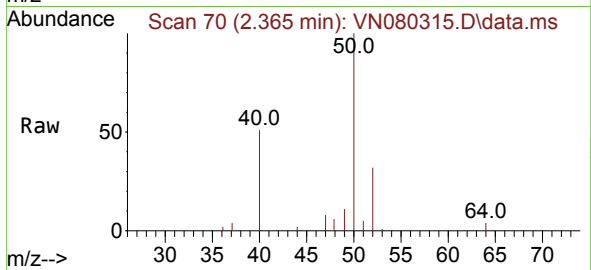




#3  
Chloromethane  
Concen: 16.970 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

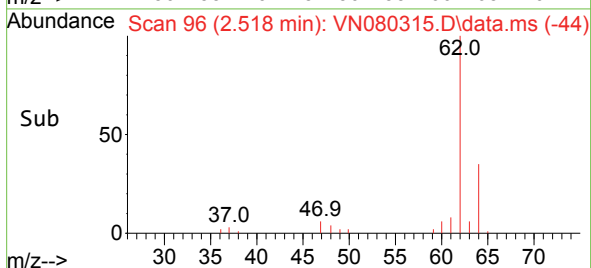
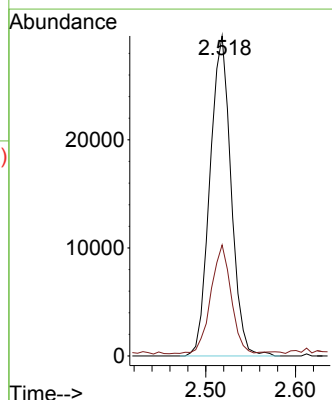
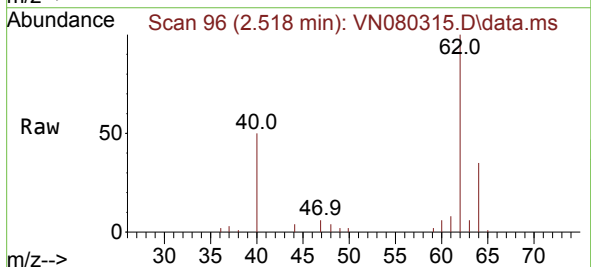
Instrument :  
MSVOA\_N  
ClientSampleId :

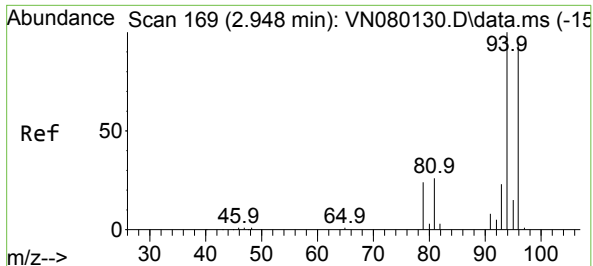
Tgt Ion: 50 Resp: 43063  
Ion Ratio Lower Upper  
50 100  
52 31.5 26.5 39.7



#4  
Vinyl Chloride  
Concen: 18.001 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 62 Resp: 48340  
Ion Ratio Lower Upper  
62 100  
64 33.9 26.2 39.2

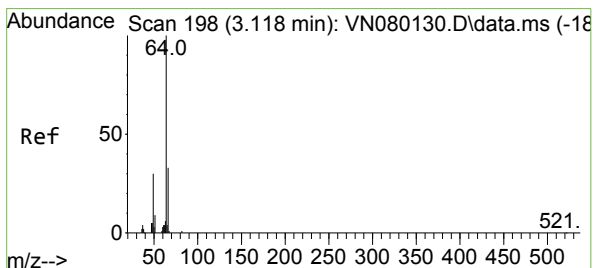
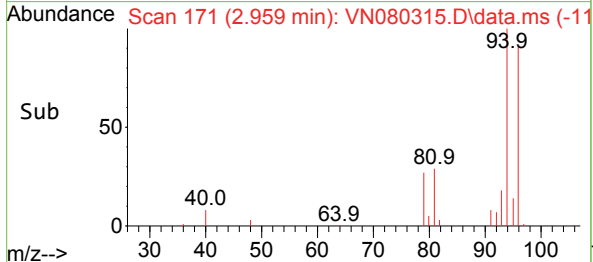
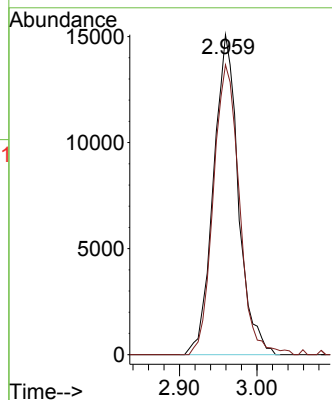
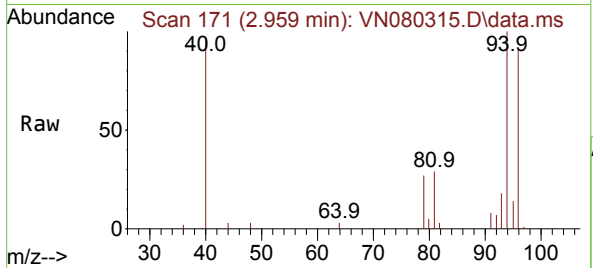




#5  
Bromomethane  
Concen: 18.477 ug/l  
RT: 2.959 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

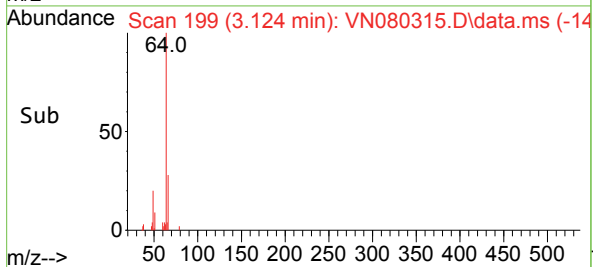
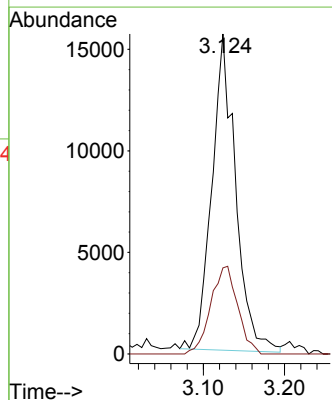
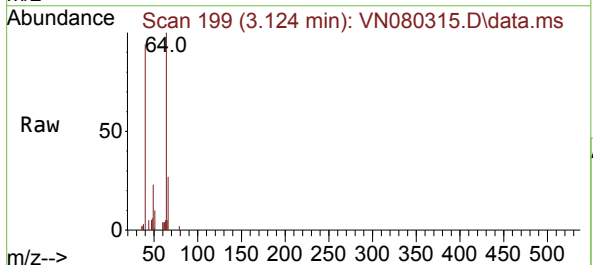
Instrument :  
MSVOA\_N  
ClientSampleId :

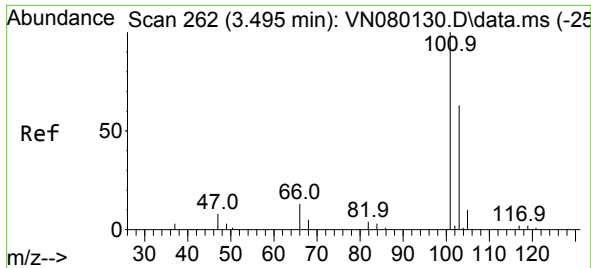
Tgt Ion: 94 Resp: 33685  
Ion Ratio Lower Upper  
94 100  
96 90.6 73.1 109.7



#6  
Chloroethane  
Concen: 17.948 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 64 Resp: 31641  
Ion Ratio Lower Upper  
64 100  
66 27.3 25.4 38.2

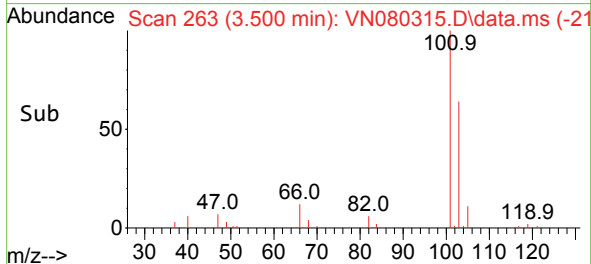
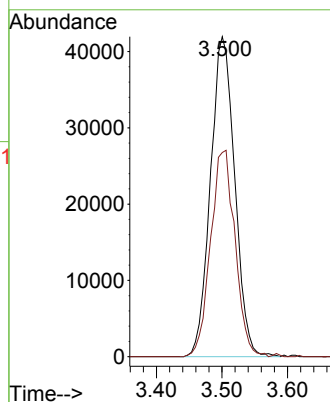
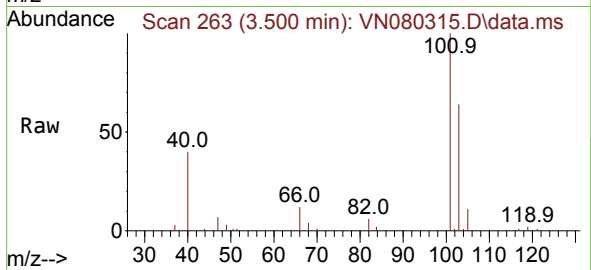




#7  
Trichlorofluoromethane  
Concen: 19.235 ug/l  
RT: 3.500 min Scan# 262  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

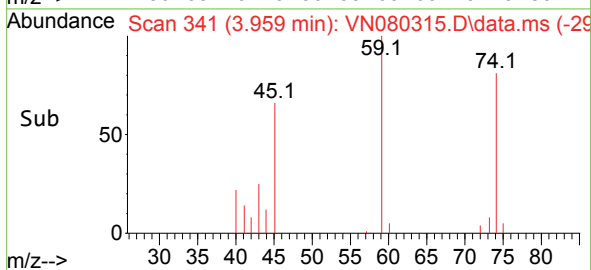
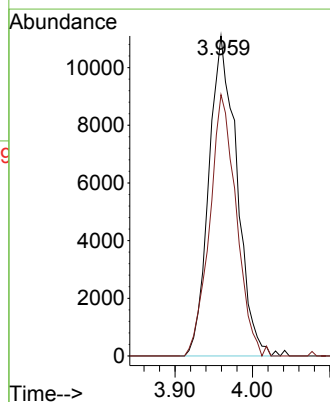
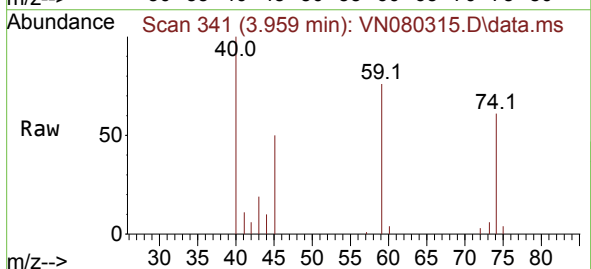
Instrument :  
MSVOA\_N  
ClientSampleId :

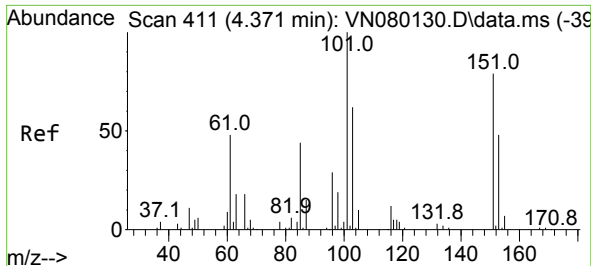
Tgt Ion:101 Resp: 107756  
Ion Ratio Lower Upper  
101 100  
103 63.8 50.7 76.1



#8  
Diethyl Ether  
Concen: 17.078 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 74 Resp: 27823  
Ion Ratio Lower Upper  
74 100  
45 77.9 34.4 103.3

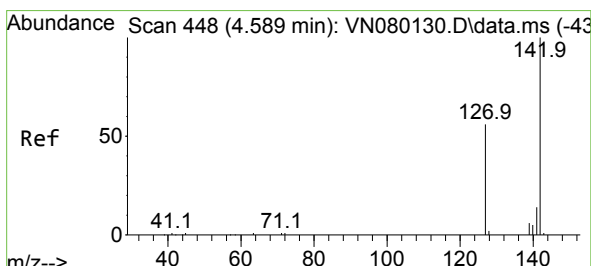
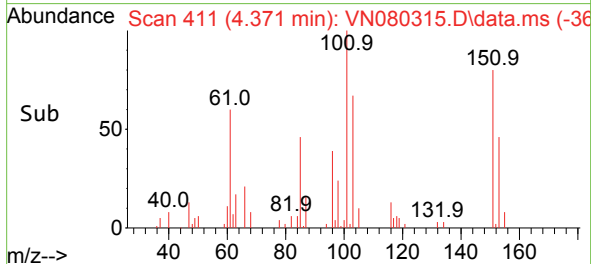
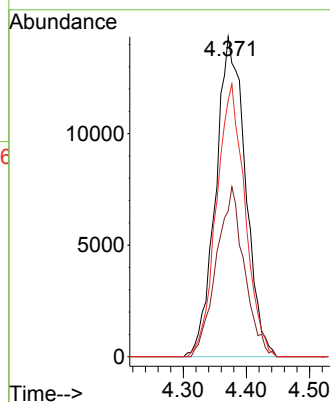
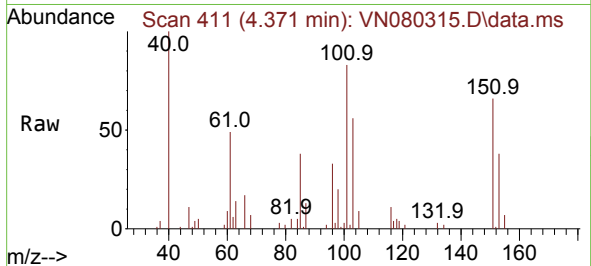




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.299 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

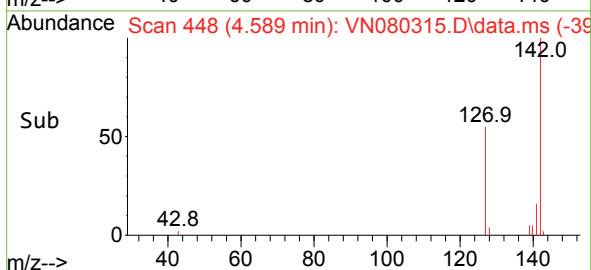
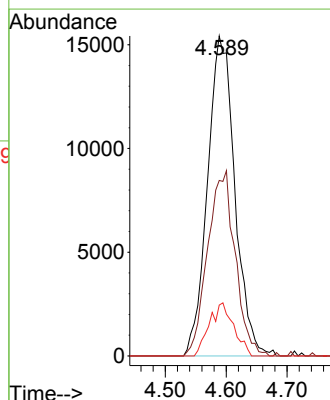
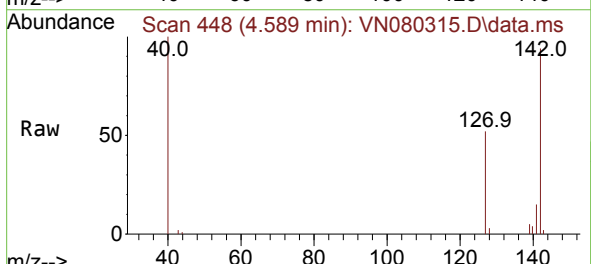
Instrument :  
MSVOA\_N  
ClientSampleId :

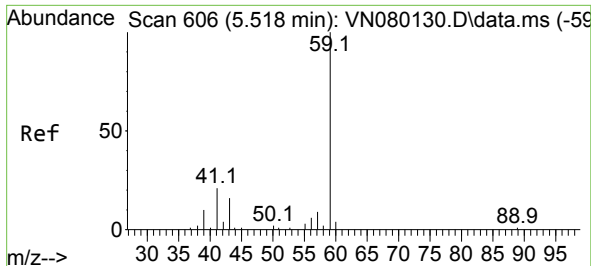
Tgt Ion:101 Resp: 46855  
Ion Ratio Lower Upper  
101 100  
85 50.0 36.6 55.0  
151 82.0 57.6 86.4



#10  
Methyl Iodide  
Concen: 17.391 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

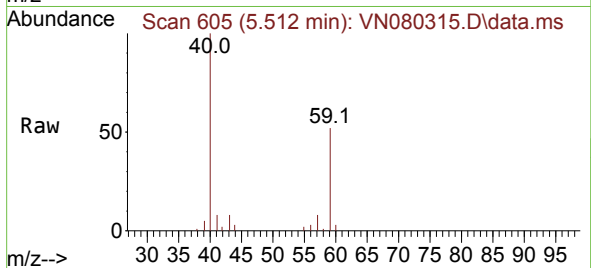
Tgt Ion:142 Resp: 48124  
Ion Ratio Lower Upper  
142 100  
127 54.9 37.6 56.4  
141 15.9 11.4 17.0



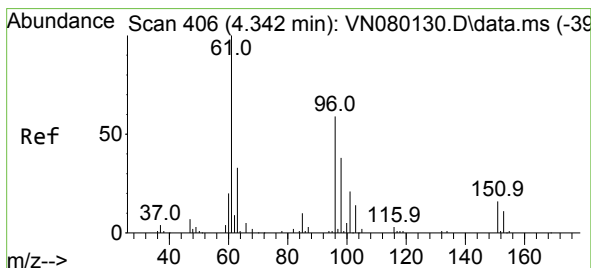
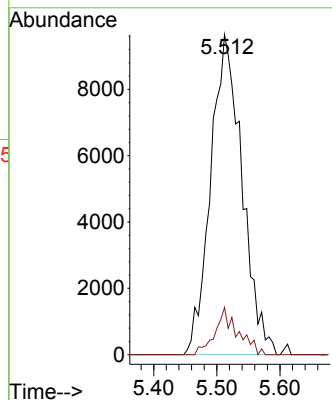
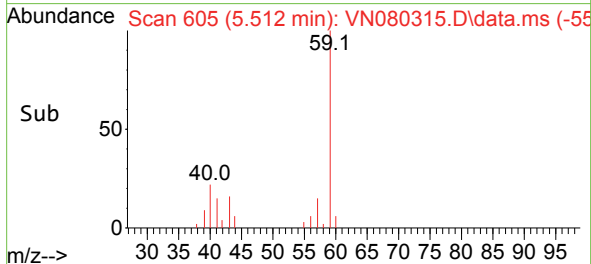


#11  
Tert butyl alcohol  
Concen: 81.077 ug/l  
RT: 5.512 min Scan# 606  
Delta R.T. -0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Instrument :  
MSVOA\_N  
ClientSampleId :

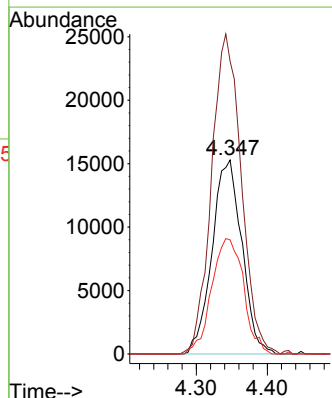
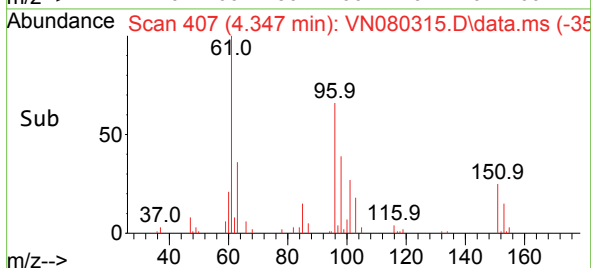
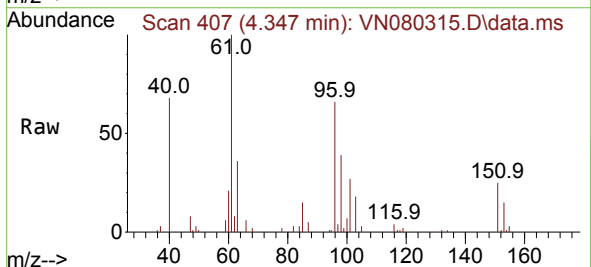


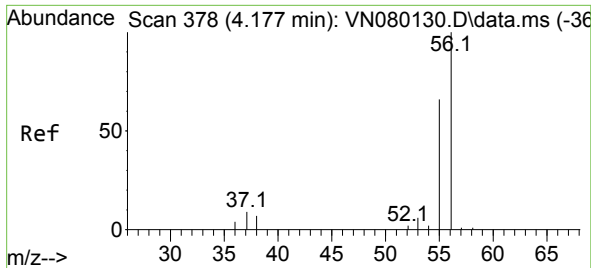
Tgt Ion: 59 Resp: 33358  
Ion Ratio Lower Upper  
59 100  
57 10.6 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 18.583 ug/l  
RT: 4.347 min Scan# 407  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 96 Resp: 44504  
Ion Ratio Lower Upper  
96 100  
61 150.8 112.7 169.1  
98 58.8 51.2 76.8





#13

Acrolein

Concen: 72.658 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

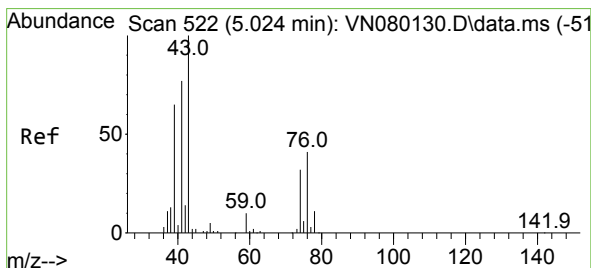
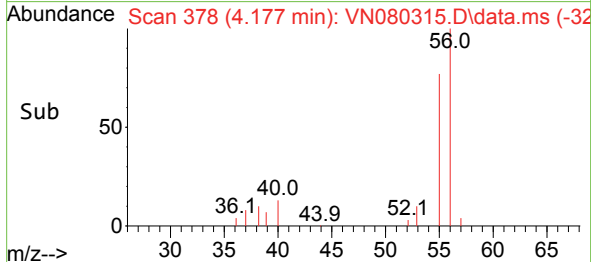
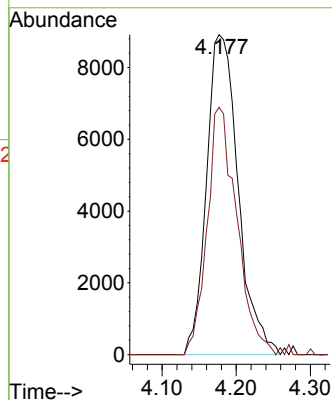
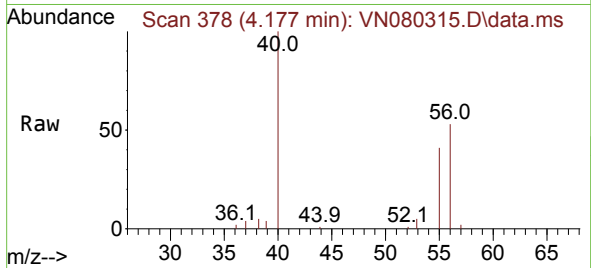
ClientSampleId :

Tgt Ion: 56 Resp: 26456

Ion Ratio Lower Upper

56 100

55 72.4 54.5 81.7



#14

Allyl chloride

Concen: 17.199 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.006 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

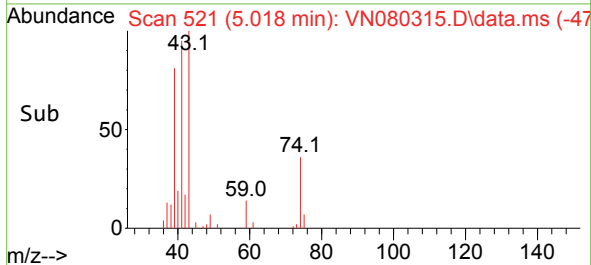
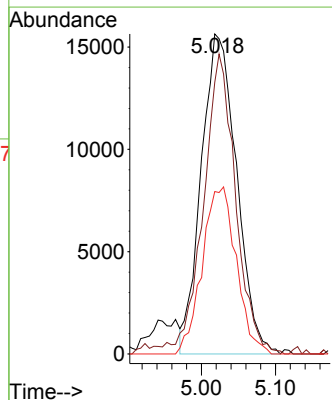
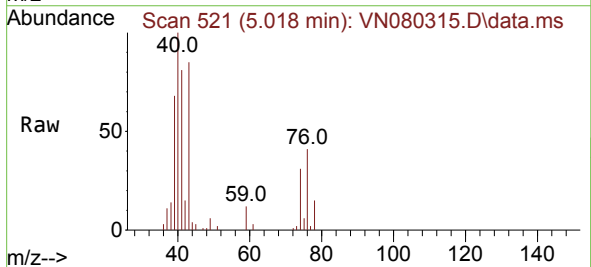
Tgt Ion: 41 Resp: 51823

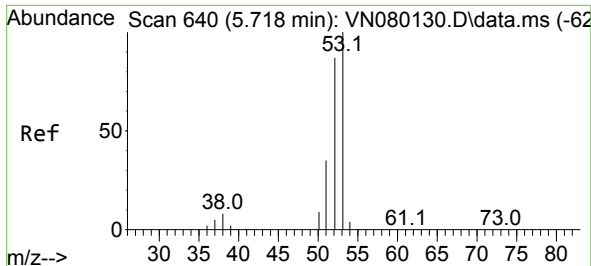
Ion Ratio Lower Upper

41 100

39 85.4 58.8 88.2

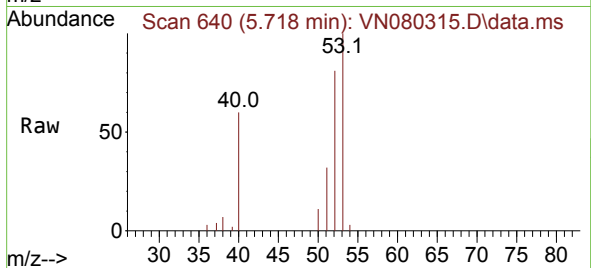
76 50.2 39.1 58.7



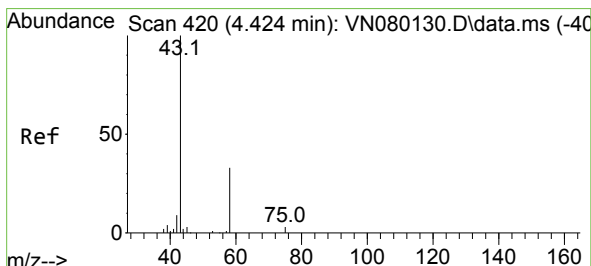
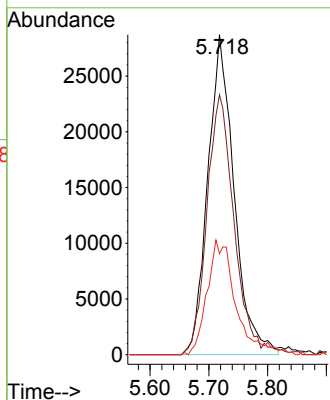
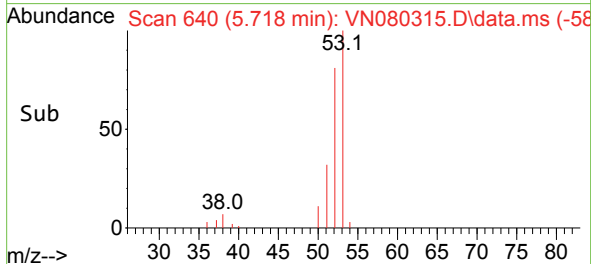


#15  
Acrylonitrile  
Concen: 80.629 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Instrument :  
MSVOA\_N  
ClientSampleId :

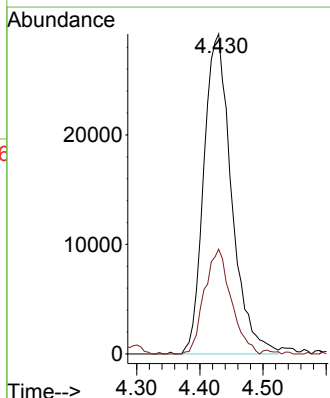
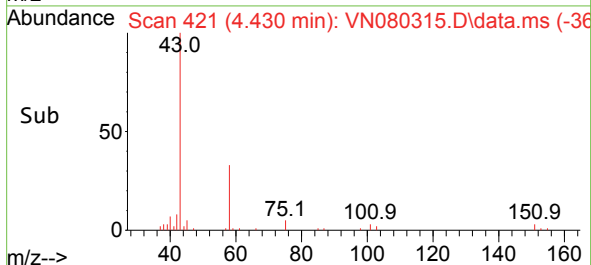
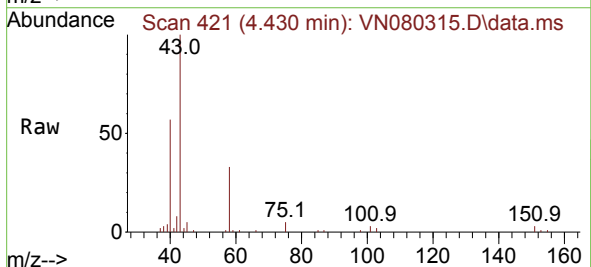


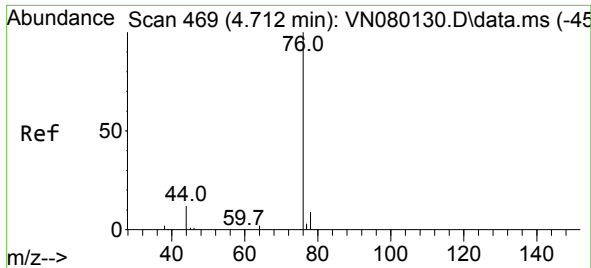
Tgt Ion: 53 Resp: 89056  
Ion Ratio Lower Upper  
53 100  
52 84.2 65.3 97.9  
51 39.1 28.9 43.3



#16  
Acetone  
Concen: 70.946 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 43 Resp: 89154  
Ion Ratio Lower Upper  
43 100  
58 32.7 28.0 42.0

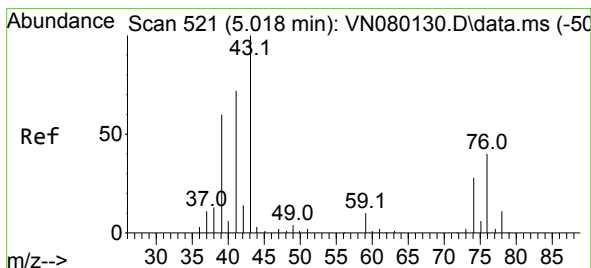
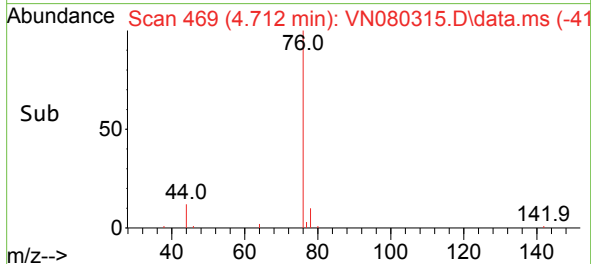
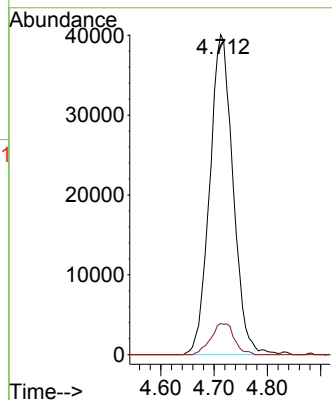
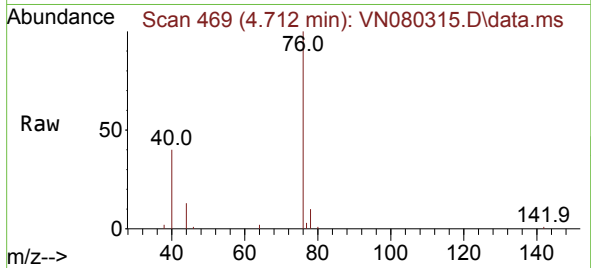




#17  
Carbon Disulfide  
Concen: 17.049 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

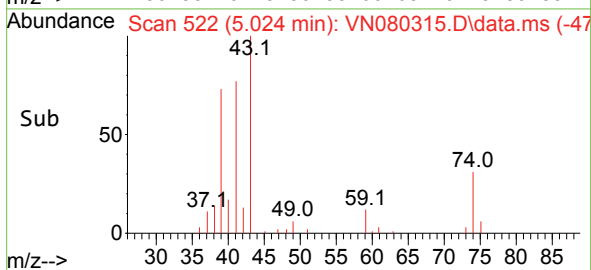
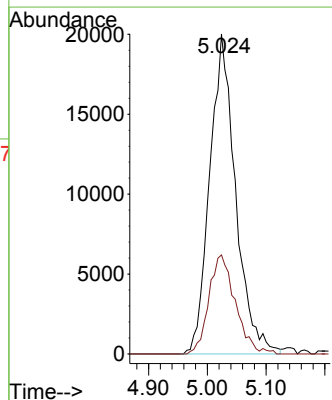
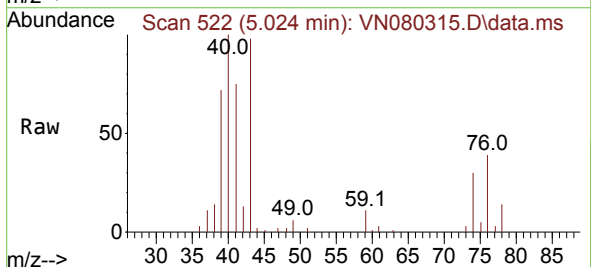
Instrument :  
MSVOA\_N  
ClientSampleId :

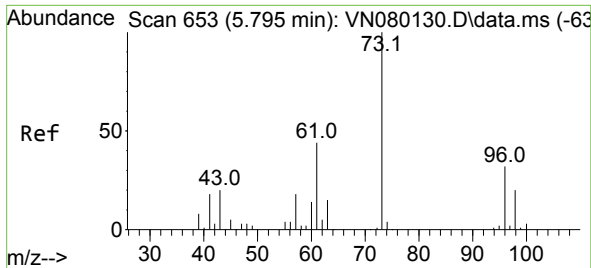
Tgt Ion: 76 Resp: 121916  
Ion Ratio Lower Upper  
76 100  
78 9.7 7.4 11.0



#18  
Methyl Acetate  
Concen: 15.155 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 43 Resp: 61188  
Ion Ratio Lower Upper  
43 100  
74 31.2 26.2 39.4

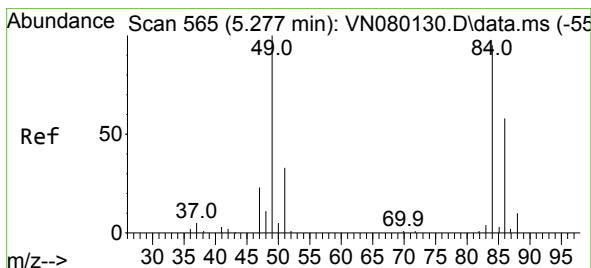
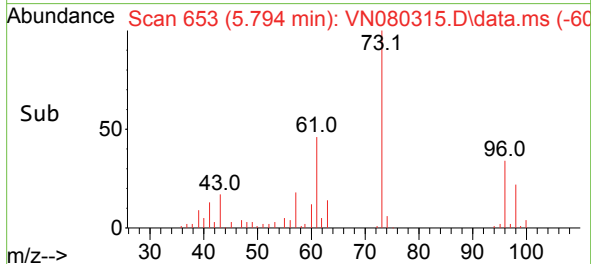
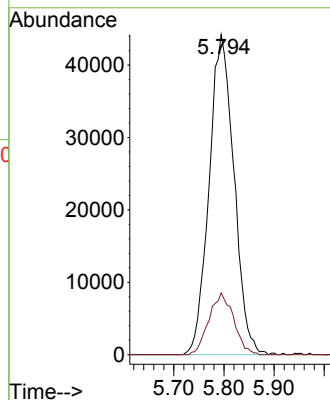
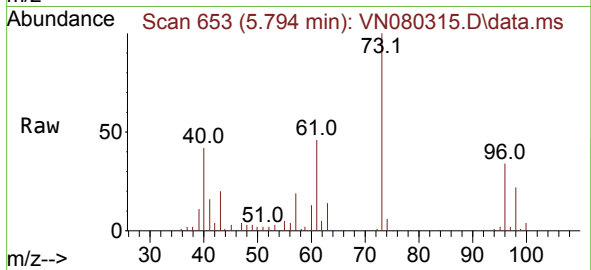




#19  
Methyl tert-butyl Ether  
Concen: 18.017 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

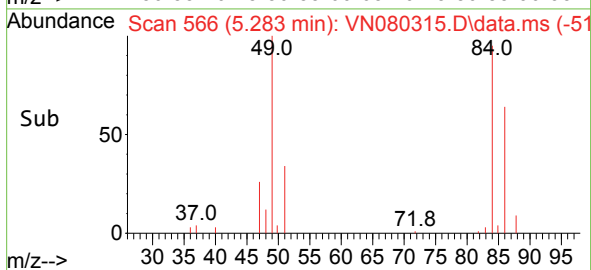
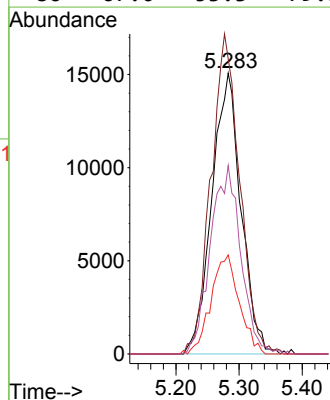
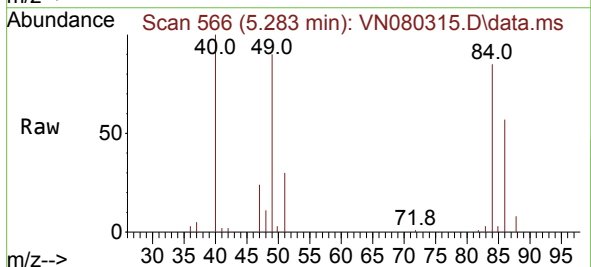
Instrument :  
MSVOA\_N  
ClientSampleId :

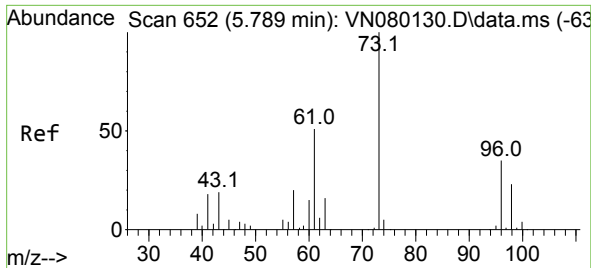
Tgt Ion: 73 Resp: 152379  
Ion Ratio Lower Upper  
73 100  
57 19.3 15.6 23.4



#20  
Methylene Chloride  
Concen: 18.377 ug/l  
RT: 5.283 min Scan# 566  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 84 Resp: 48362  
Ion Ratio Lower Upper  
84 100  
49 105.1 79.7 119.5  
51 35.2 25.2 37.8  
86 67.0 53.3 79.9

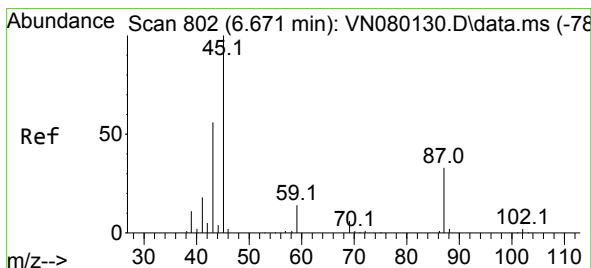
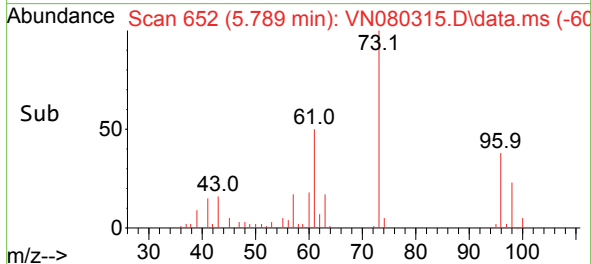
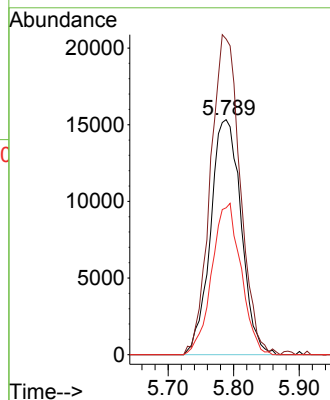
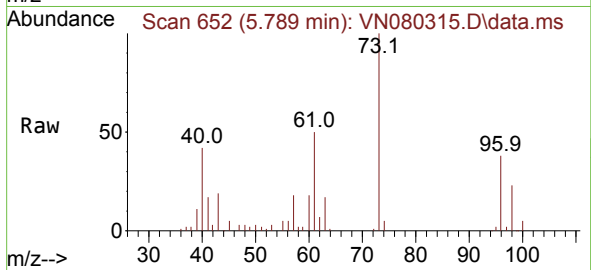




#21  
trans-1,2-Dichloroethene  
Concen: 18.845 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

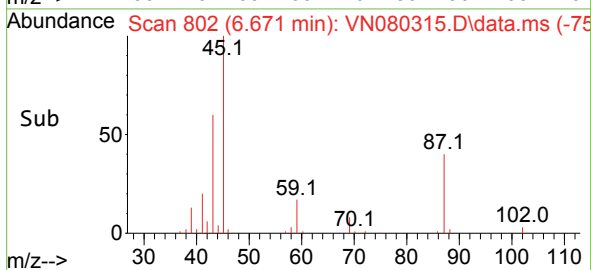
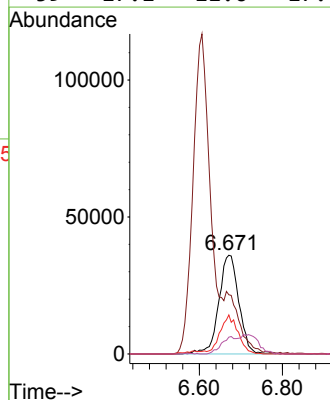
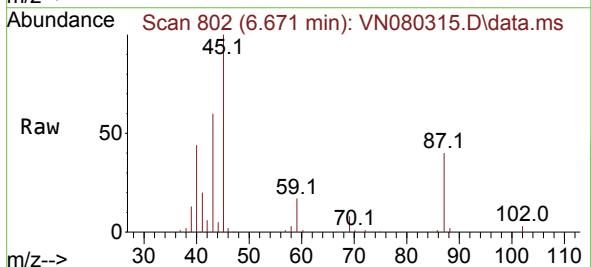
Instrument :  
MSVOA\_N  
ClientSampleId :

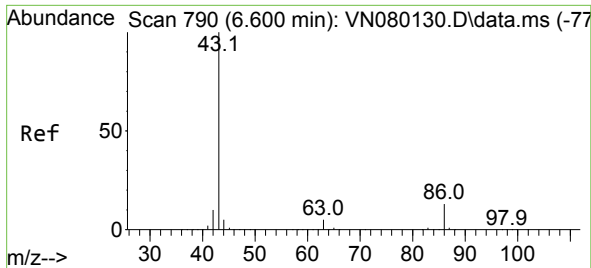
Tgt Ion: 96 Resp: 49582  
Ion Ratio Lower Upper  
96 100  
61 134.3 90.1 135.1  
98 62.5 46.4 69.6



#22  
Diisopropyl ether  
Concen: 18.068 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 45 Resp: 120448  
Ion Ratio Lower Upper  
45 100  
43 58.5 45.5 68.3  
87 39.7 31.8 47.8  
59 17.1 11.6 17.4

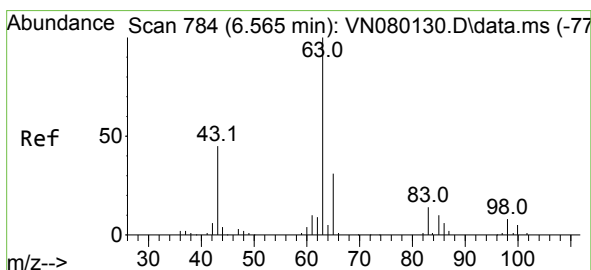
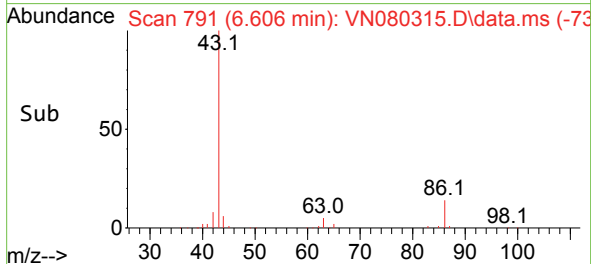
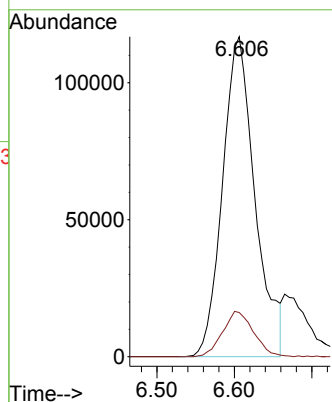
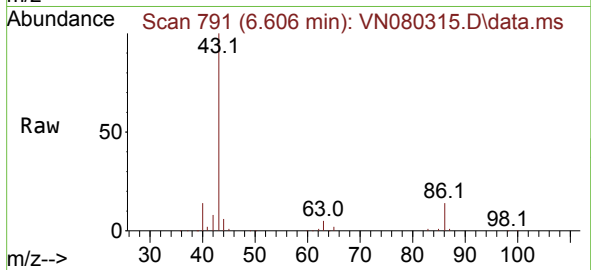




#23  
 Vinyl Acetate  
 Concen: 84.948 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.006 min  
 Lab File: VN080315.D  
 Acq: 01 Dec 2023 11:14

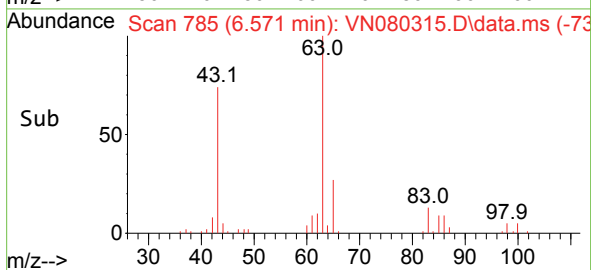
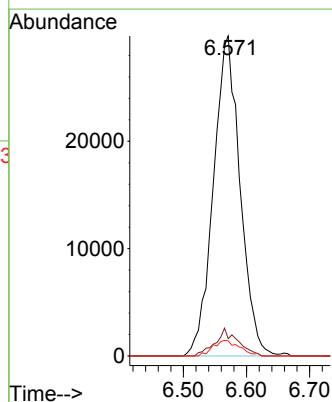
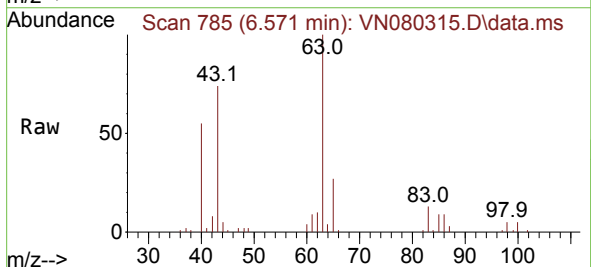
Instrument :  
 MSVOA\_N  
 ClientSampleId :

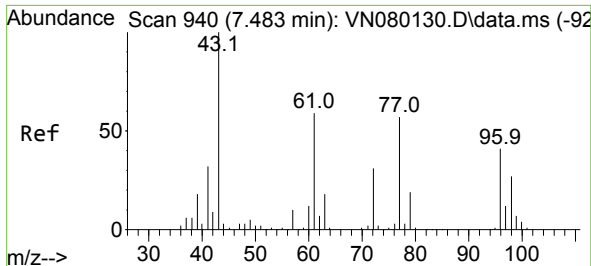
Tgt Ion: 43 Resp: 340453  
 Ion Ratio Lower Upper  
 43 100  
 86 13.8 13.0 19.6



#24  
 1,1-Dichloroethane  
 Concen: 18.015 ug/l  
 RT: 6.571 min Scan# 785  
 Delta R.T. 0.006 min  
 Lab File: VN080315.D  
 Acq: 01 Dec 2023 11:14

Tgt Ion: 63 Resp: 87468  
 Ion Ratio Lower Upper  
 63 100  
 98 5.4 3.9 11.7  
 100 4.8 2.5 7.4

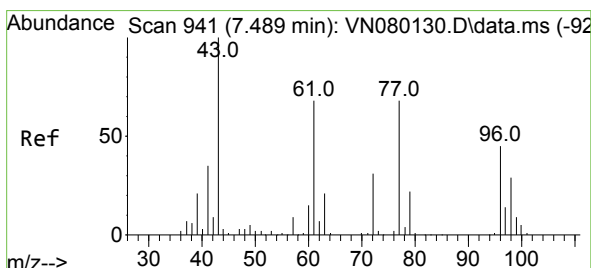
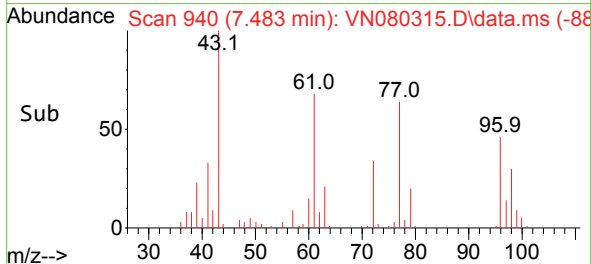
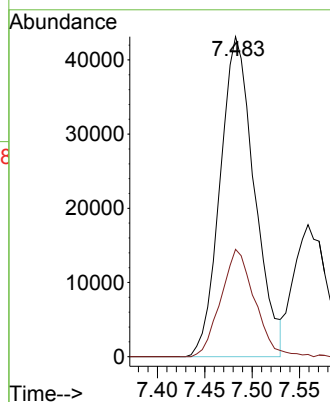
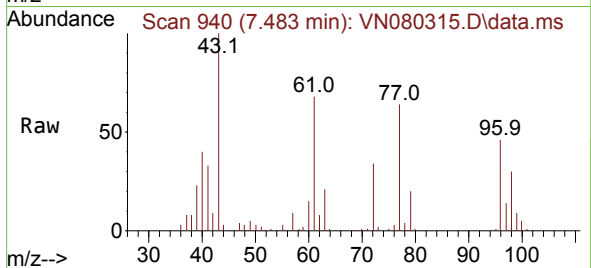




#25  
2-Butanone  
Concen: 72.853 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

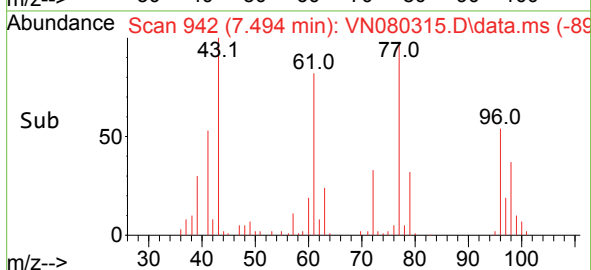
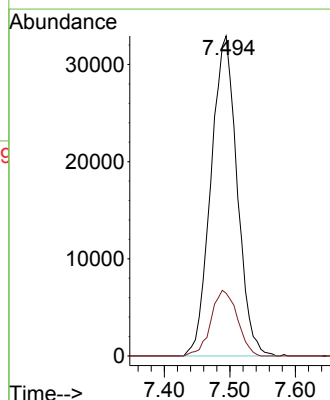
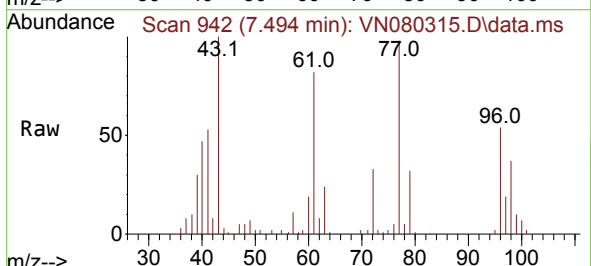
Instrument :  
MSVOA\_N  
ClientSampleId :

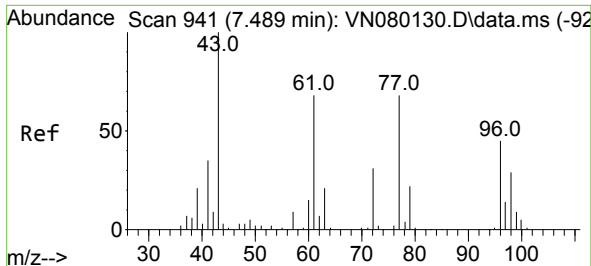
Tgt Ion: 43 Resp: 108772  
Ion Ratio Lower Upper  
43 100  
72 33.6 30.2 45.2



#26  
2,2-Dichloropropane  
Concen: 18.956 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

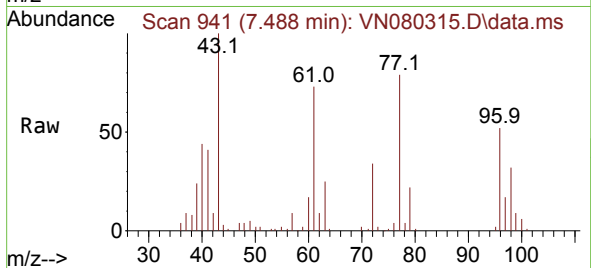
Tgt Ion: 77 Resp: 91316  
Ion Ratio Lower Upper  
77 100  
97 20.7 11.2 33.6





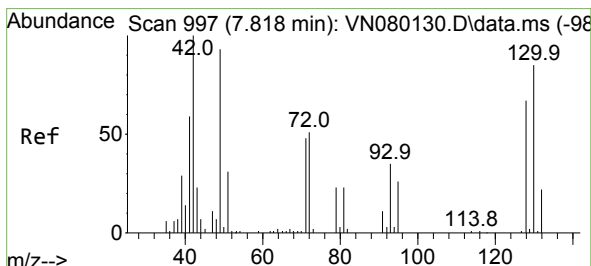
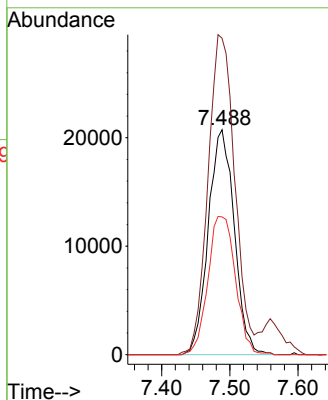
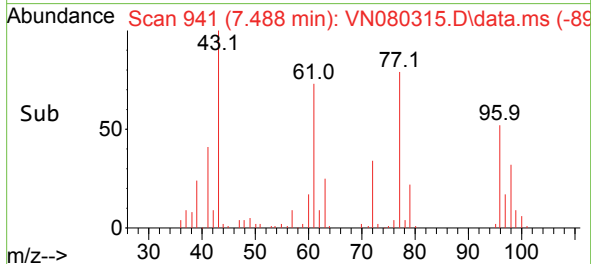
#27  
 cis-1,2-Dichloroethene  
 Concen: 18.465 ug/l  
 RT: 7.488 min Scan# 941  
 Delta R.T. -0.000 min  
 Lab File: VN080315.D  
 Acq: 01 Dec 2023 11:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion: 96 Resp: 55080  

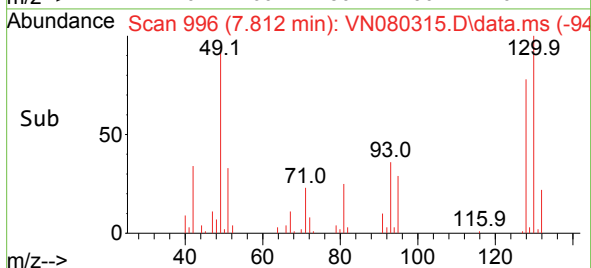
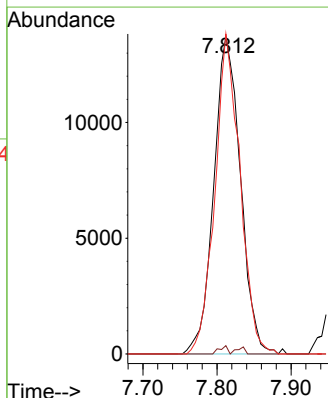
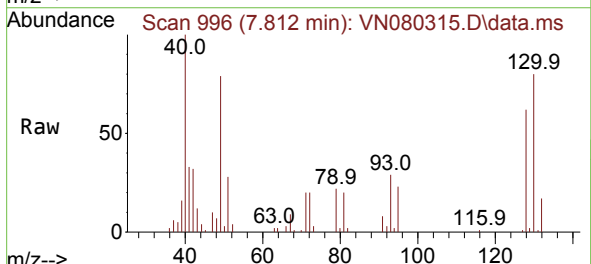
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 146.2 | 0.0   | 255.2 |
| 98  | 65.1  | 0.0   | 128.8 |



#28  
 Bromochloromethane  
 Concen: 17.940 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. -0.006 min  
 Lab File: VN080315.D  
 Acq: 01 Dec 2023 11:14

Tgt Ion: 49 Resp: 34245  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 0.8   | 0.0   | 4.8   |
| 130 | 94.8  | 75.3  | 112.9 |





#29

Tetrahydrofuran

Concen: 80.578 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

ClientSampleId :

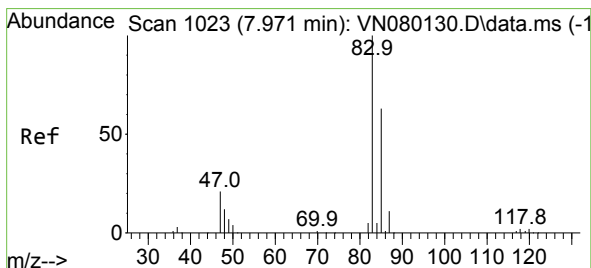
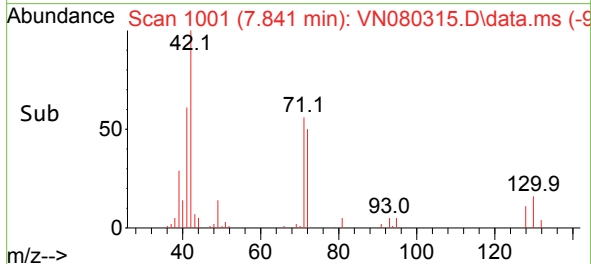
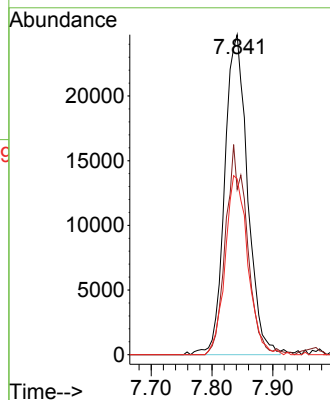
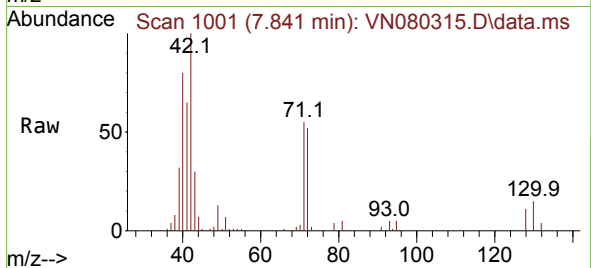
Tgt Ion: 42 Resp: 64589

Ion Ratio Lower Upper

42 100

72 60.8 49.8 74.6

71 55.5 47.4 71.2



#30

Chloroform

Concen: 19.070 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VN080315.D

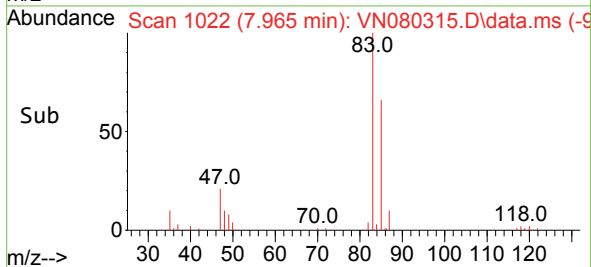
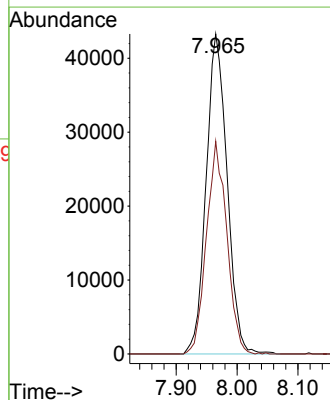
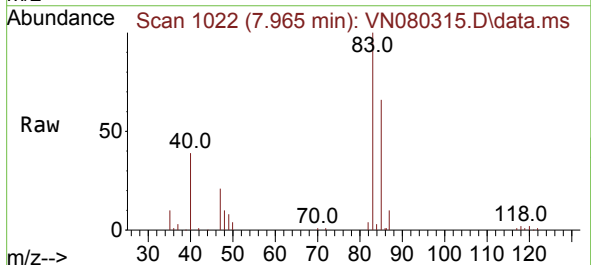
Acq: 01 Dec 2023 11:14

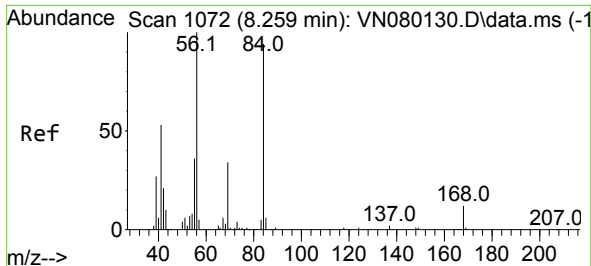
Tgt Ion: 83 Resp: 103492

Ion Ratio Lower Upper

83 100

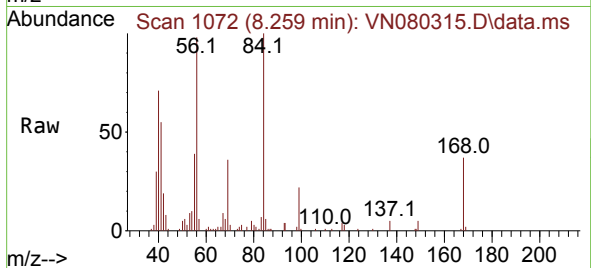
85 66.4 55.4 83.0



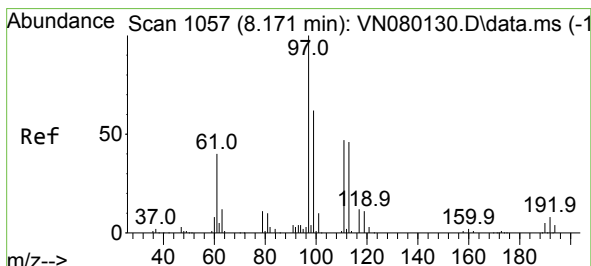
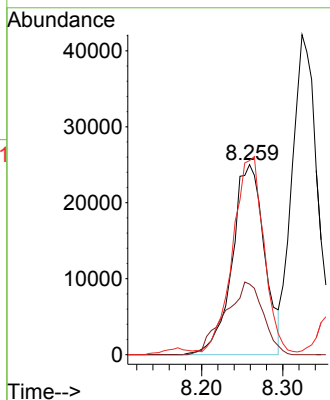
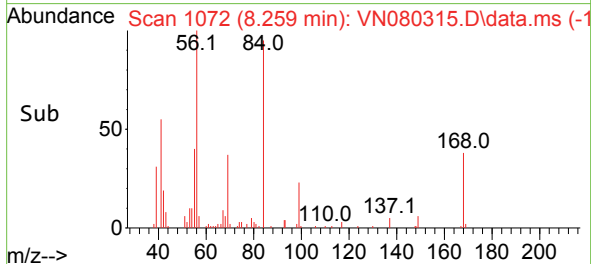


#31  
Cyclohexane  
Concen: 16.949 ug/l  
RT: 8.259 min Scan# 1072  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

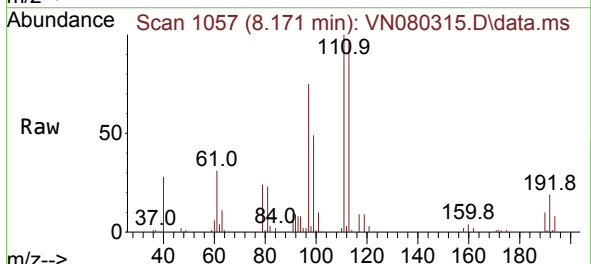
Instrument :  
MSVOA\_N  
ClientSampleId :



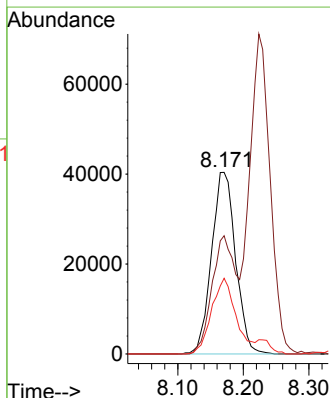
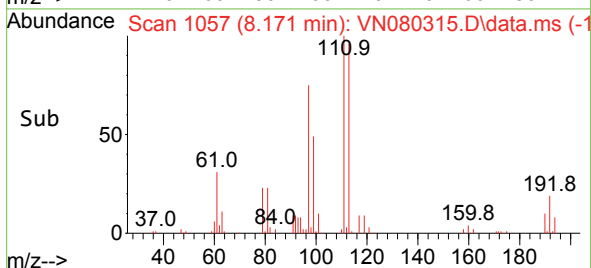
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 56      | 100  |       |       |
| 69      | 37.2 | 26.8  | 40.2  |
| 84      | 98.5 | 81.8  | 122.6 |



#32  
1,1,1-Trichloroethane  
Concen: 19.402 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14



| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97      | 100  |       |       |
| 99      | 64.6 | 50.3  | 75.5  |
| 61      | 42.6 | 34.7  | 52.1  |





#33

1,2-Dichloroethane-d4

Concen: 47.871 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

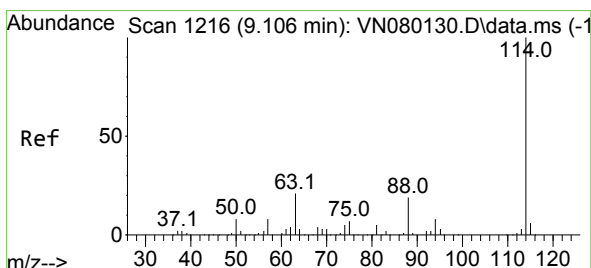
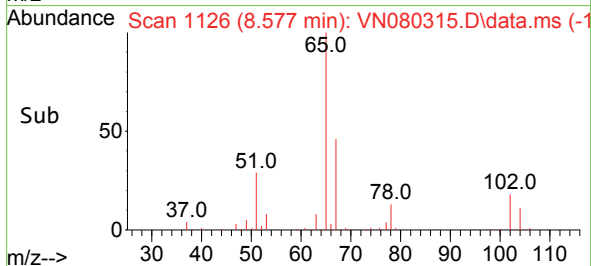
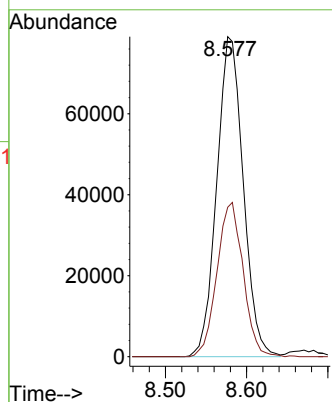
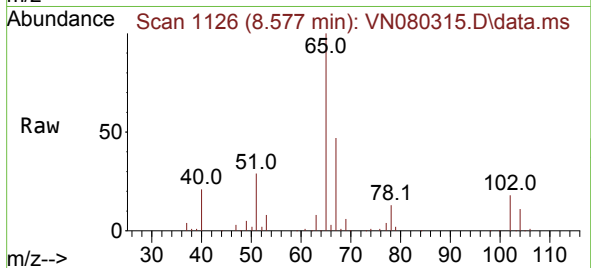
ClientSampleId :

Tgt Ion: 65 Resp: 179102

Ion Ratio Lower Upper

65 100

67 47.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

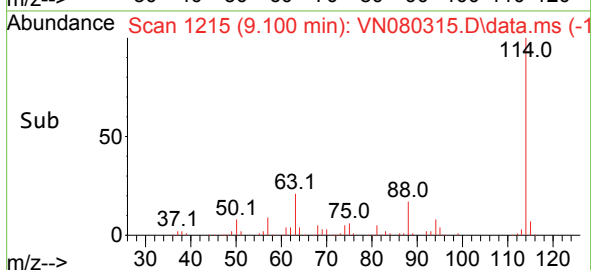
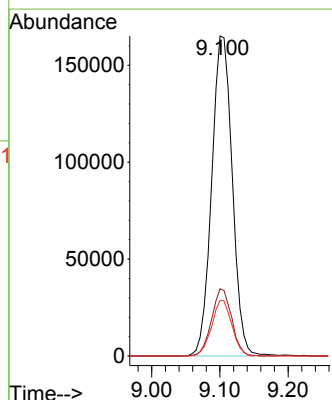
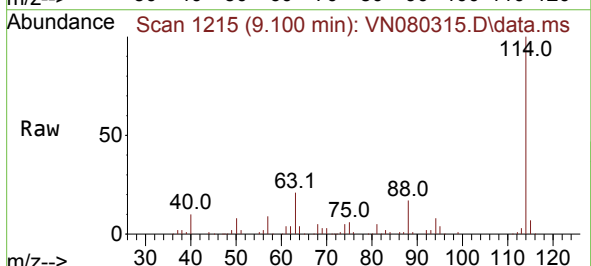
Tgt Ion: 114 Resp: 347251

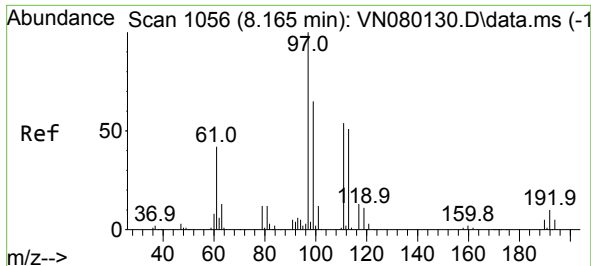
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

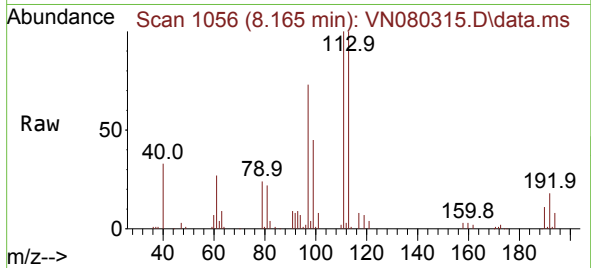
88 17.3 0.0 30.6



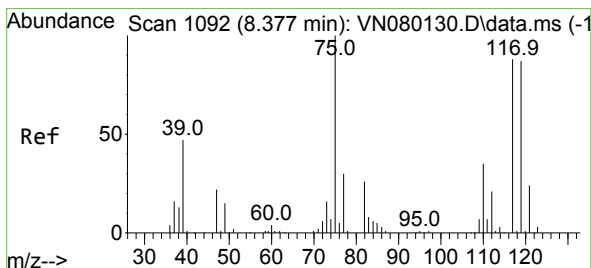
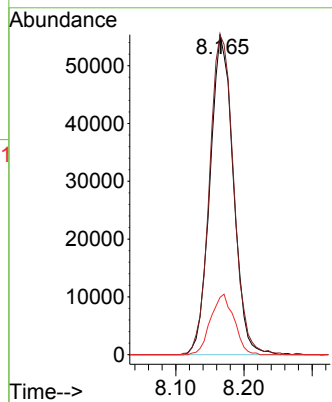
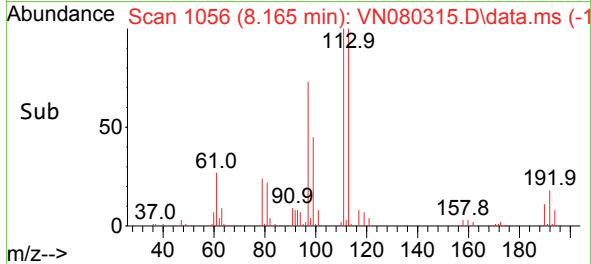


#35  
Dibromofluoromethane  
Concen: 51.418 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

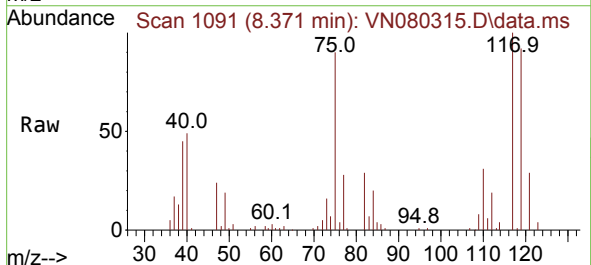
Instrument :  
MSVOA\_N  
ClientSampleId :



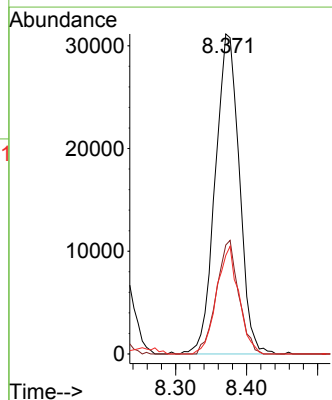
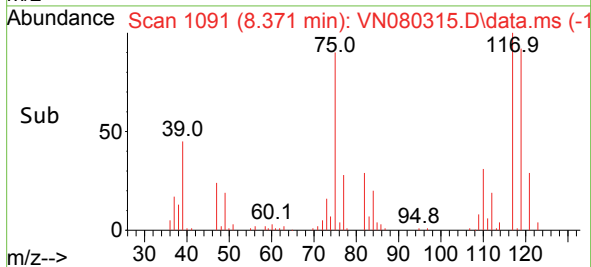
Tgt Ion:113 Resp: 131745  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.6 123.8  
192 19.0 12.7 19.1

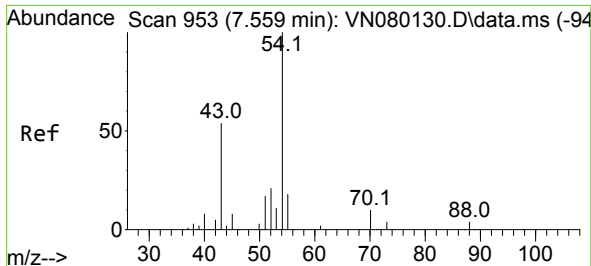


#36  
1,1-Dichloropropene  
Concen: 19.740 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14



Tgt Ion: 75 Resp: 73230  
Ion Ratio Lower Upper  
75 100  
110 32.9 19.1 57.3  
77 31.1 25.0 37.4





#37

Ethyl Acetate

Concen: 16.889 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN080315.D

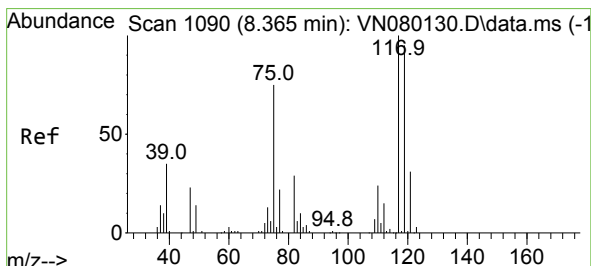
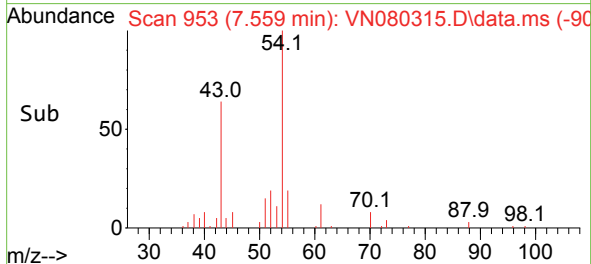
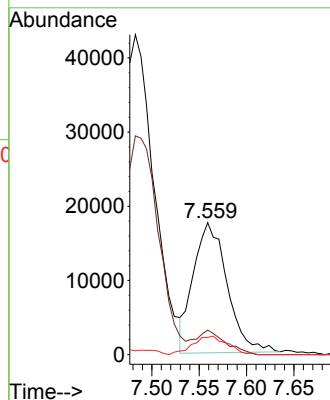
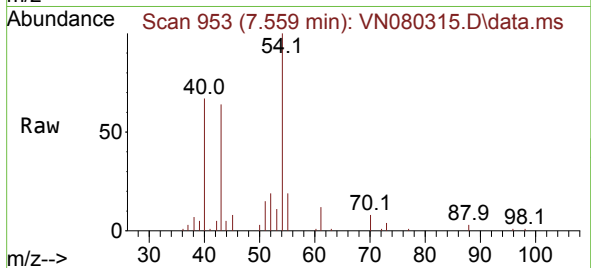
Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 43459    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 15.2 13.2 19.8 |
| 70          | 14.7 11.3 16.9 |



#38

Carbon Tetrachloride

Concen: 20.041 ug/l

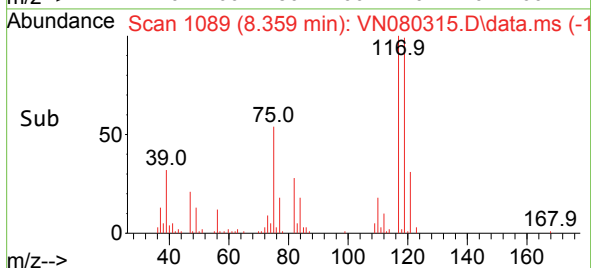
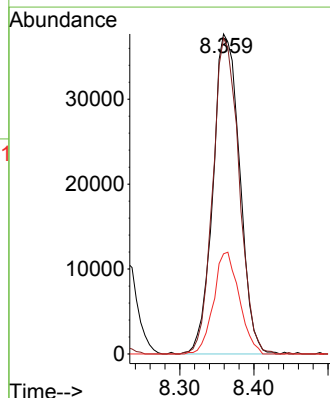
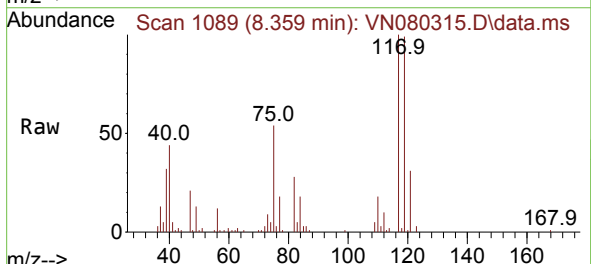
RT: 8.359 min Scan# 1089

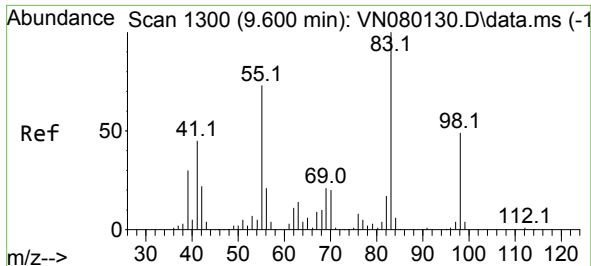
Delta R.T. -0.006 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 94344     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 98.7 77.3 115.9 |
| 121          | 31.3 23.3 34.9  |





#39

Methylcyclohexane

Concen: 18.635 ug/l

RT: 9.606 min Scan# 11301

Delta R.T. 0.006 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

ClientSampleId :

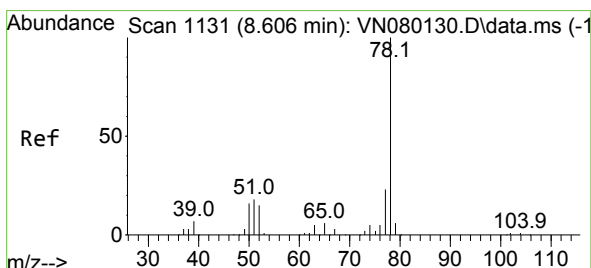
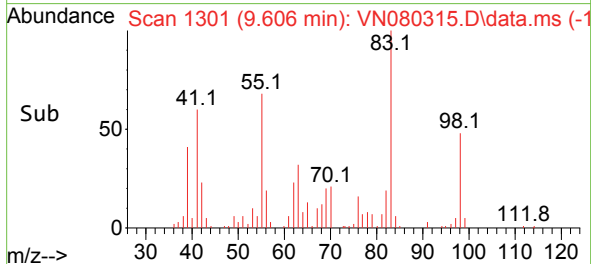
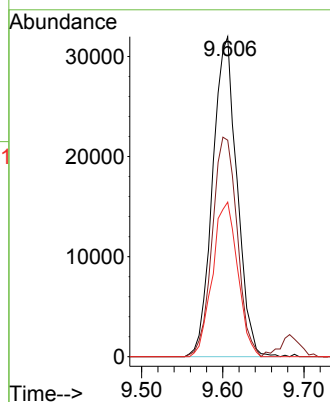
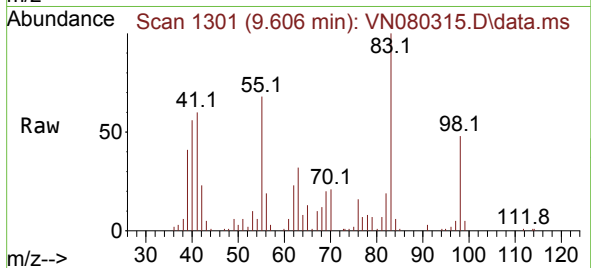
Tgt Ion: 83 Resp: 66654

Ion Ratio Lower Upper

83 100

55 67.7 49.1 73.7

98 48.3 40.6 61.0



#40

Benzene

Concen: 19.164 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN080315.D

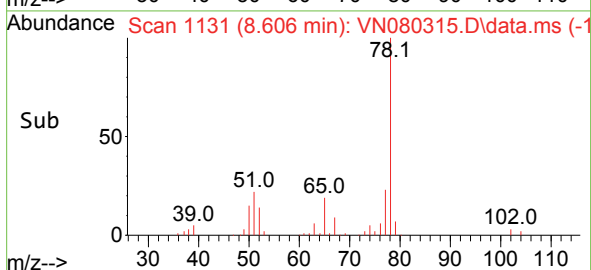
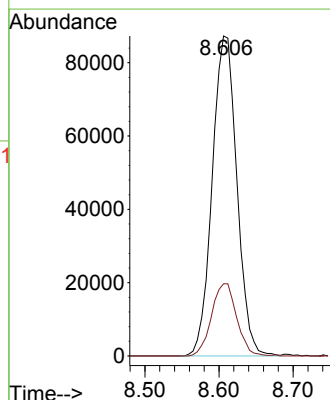
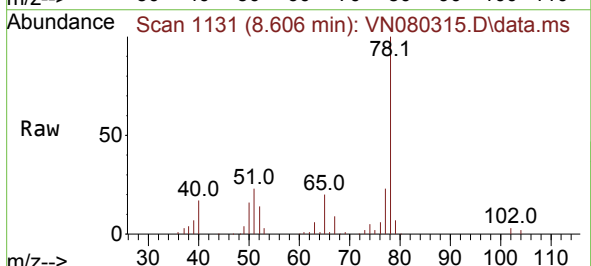
Acq: 01 Dec 2023 11:14

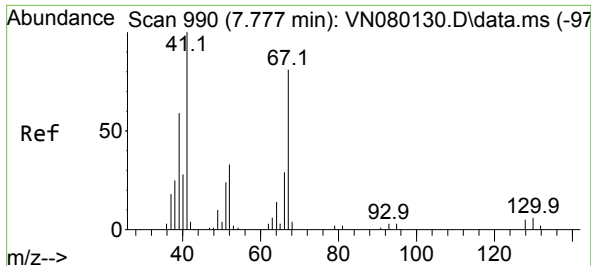
Tgt Ion: 78 Resp: 202055

Ion Ratio Lower Upper

78 100

77 22.5 19.0 28.6

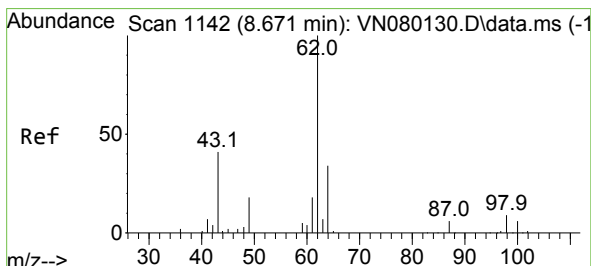
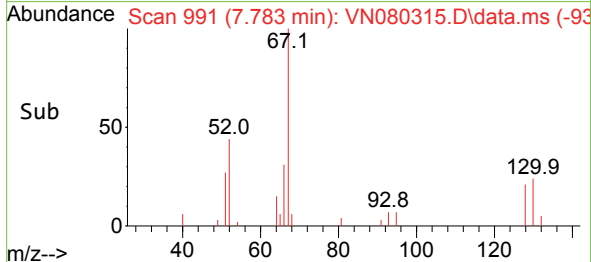
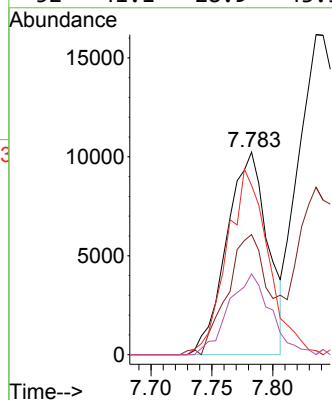
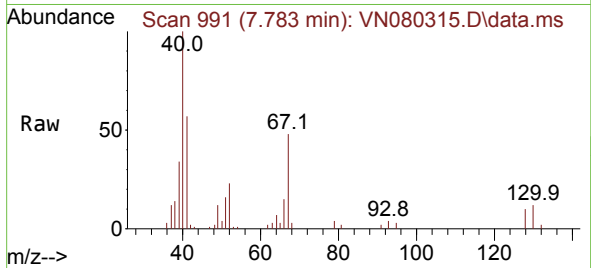




#41  
Methacrylonitrile  
Concen: 17.068 ug/l  
RT: 7.783 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

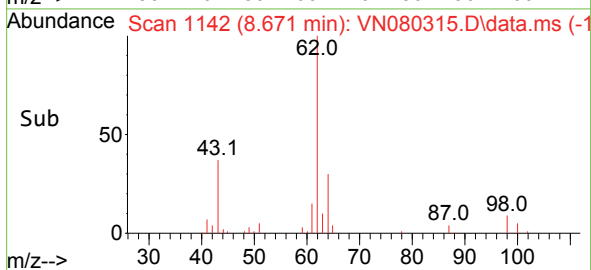
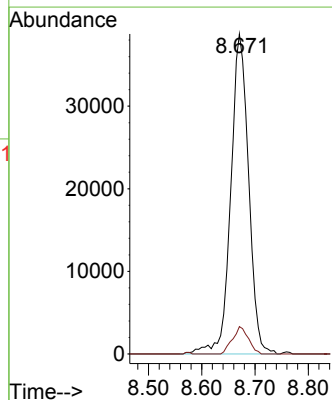
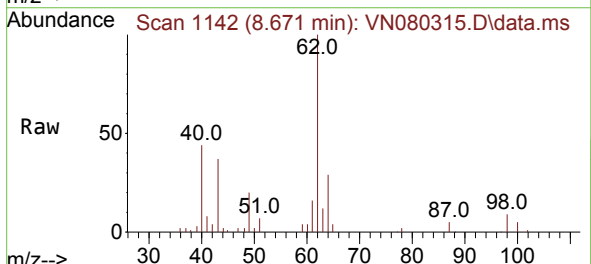
Instrument :  
MSVOA\_N  
ClientSampleId :

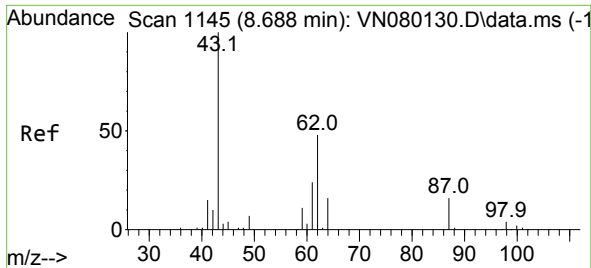
|             |                 |
|-------------|-----------------|
| Tgt Ion: 41 | Resp: 24119     |
| Ion Ratio   | Lower Upper     |
| 41          | 100             |
| 39          | 55.5 42.6 64.0  |
| 67          | 92.0 77.5 116.3 |
| 52          | 41.1 28.9 43.3  |



#42  
1,2-Dichloroethane  
Concen: 20.927 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 90267  |
| Ion Ratio   | Lower Upper  |
| 62          | 100          |
| 98          | 7.6 0.0 19.8 |

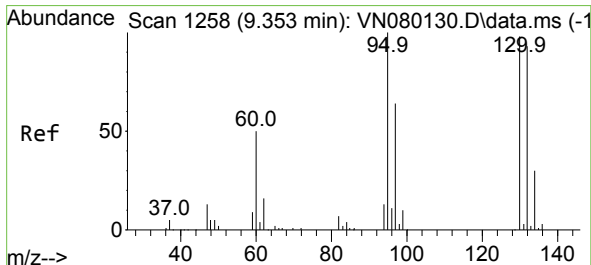
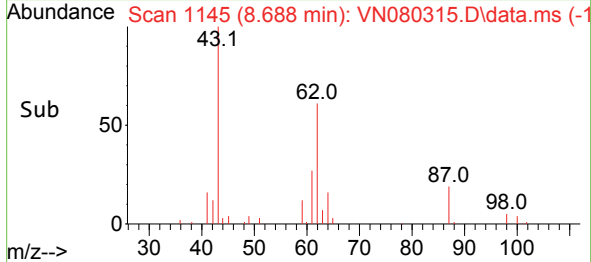
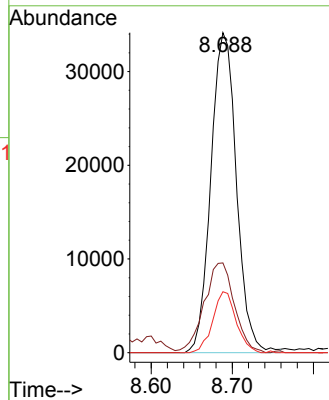
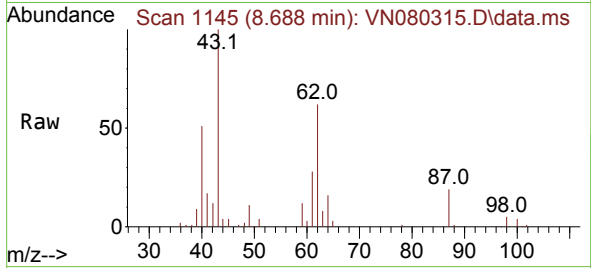




#43  
Isopropyl Acetate  
Concen: 14.938 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

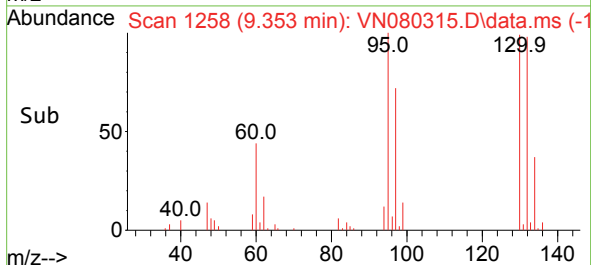
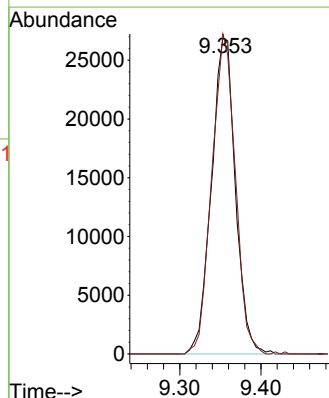
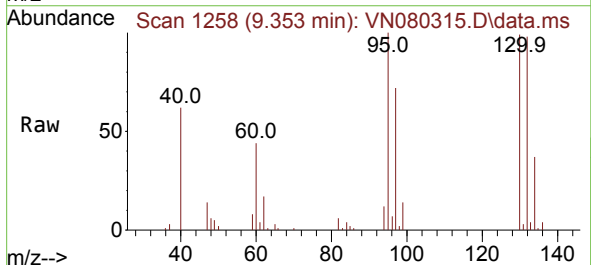
Instrument :  
MSVOA\_N  
ClientSampleId :

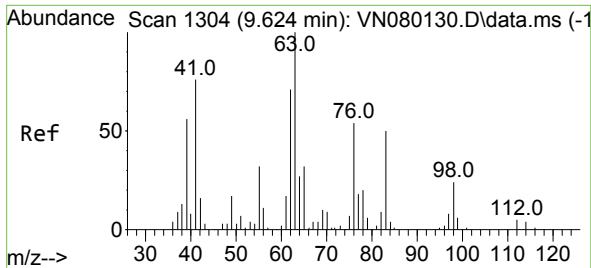
Tgt Ion: 43 Resp: 74798  
Ion Ratio Lower Upper  
43 100  
61 33.1 24.7 37.1  
87 17.4 14.6 21.8



#44  
Trichloroethene  
Concen: 19.992 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion:130 Resp: 55289  
Ion Ratio Lower Upper  
130 100  
95 101.2 0.0 204.6

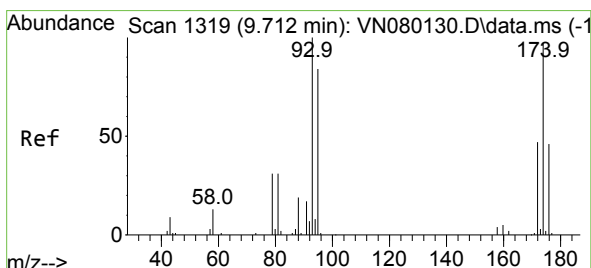
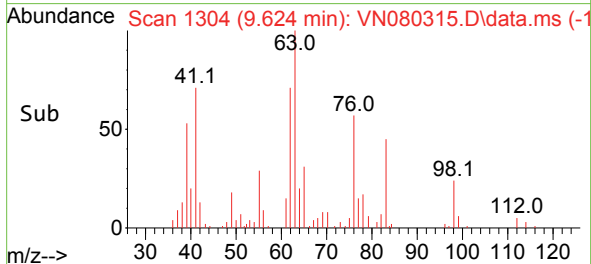
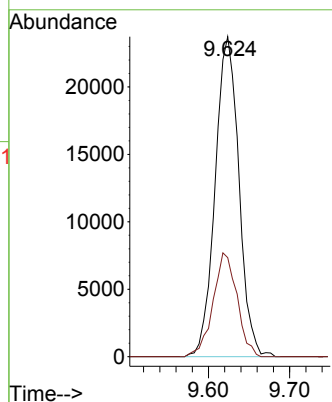
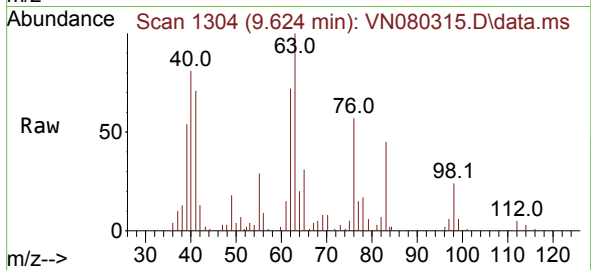




#45  
1,2-Dichloropropane  
Concen: 19.675 ug/l  
RT: 9.624 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

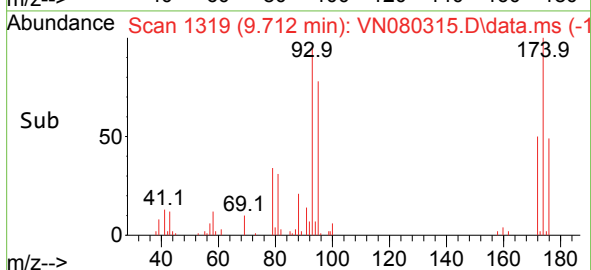
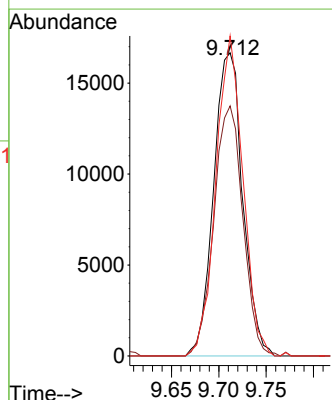
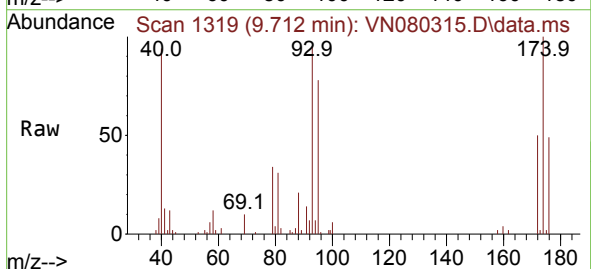
Instrument :  
MSVOA\_N  
ClientSampleId :

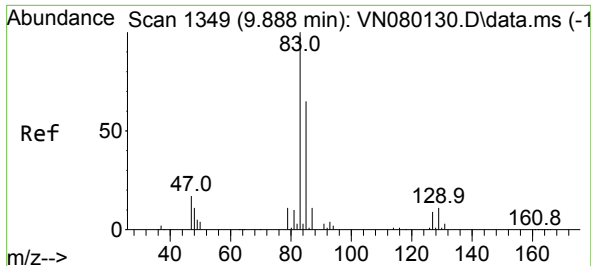
Tgt Ion: 63 Resp: 48207  
Ion Ratio Lower Upper  
63 100  
65 31.0 23.9 35.9



#46  
Dibromomethane  
Concen: 19.195 ug/l  
RT: 9.712 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 93 Resp: 35601  
Ion Ratio Lower Upper  
93 100  
95 82.3 63.8 95.8  
174 98.0 65.6 98.4

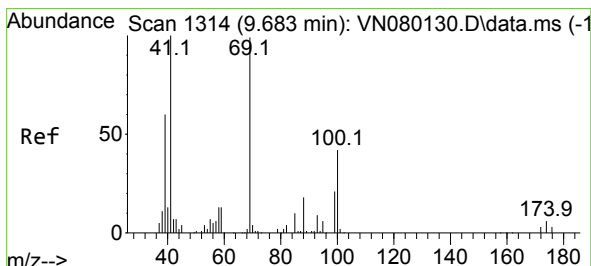
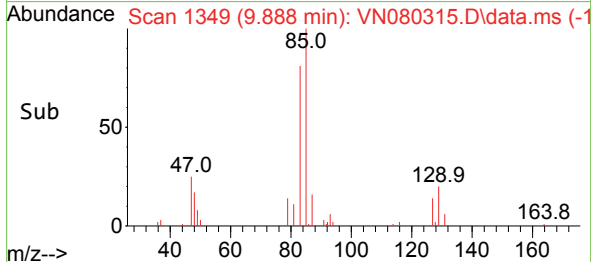
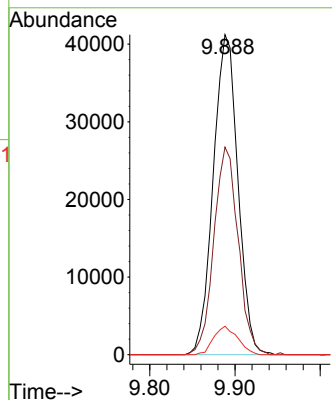
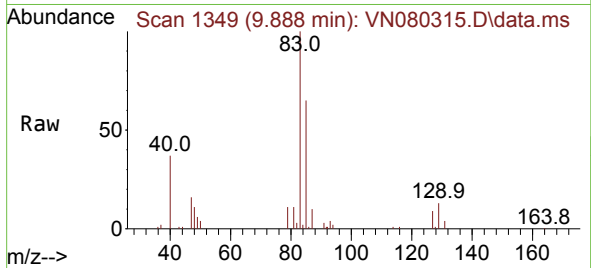




#47  
Bromodichloromethane  
Concen: 20.338 ug/l  
RT: 9.888 min Scan# 1349  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

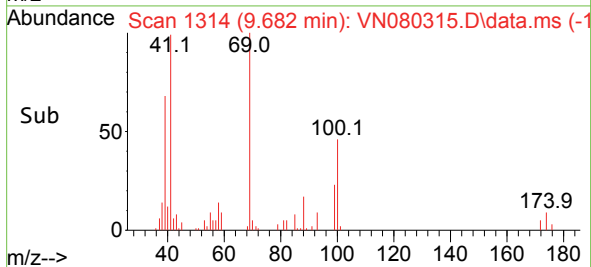
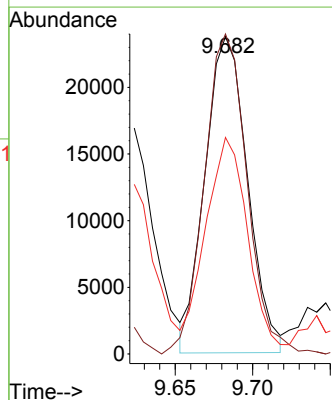
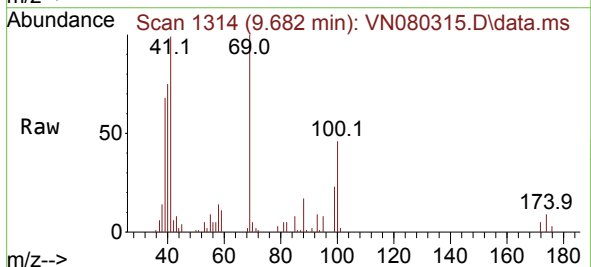
Instrument :  
MSVOA\_N  
ClientSampleId :

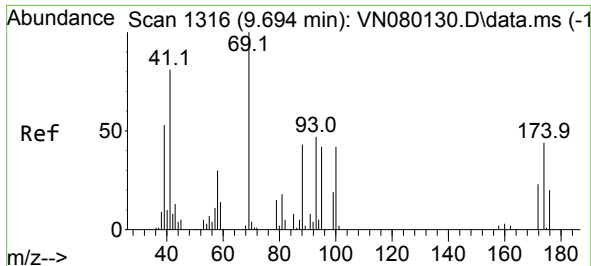
Tgt Ion: 83 Resp: 82975  
Ion Ratio Lower Upper  
83 100  
85 64.8 49.6 74.4  
127 8.9 7.0 10.6



#48  
Methyl methacrylate  
Concen: 17.521 ug/l  
RT: 9.682 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 41 Resp: 45211  
Ion Ratio Lower Upper  
41 100  
69 101.7 90.4 135.6  
39 68.7 54.6 81.8





#49

1,4-Dioxane

Concen: 348.113 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

ClientSampleId :

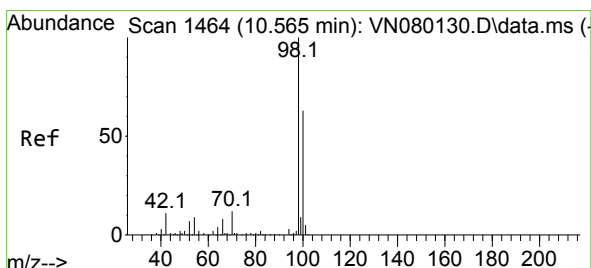
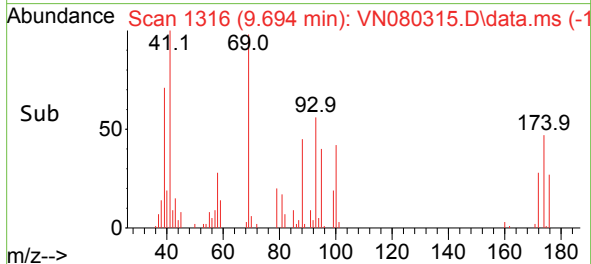
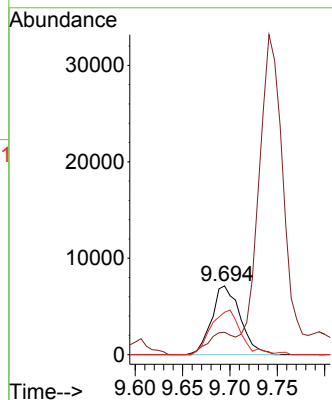
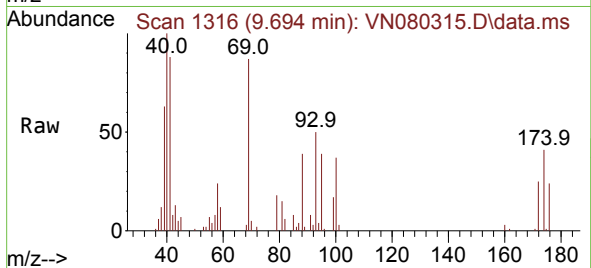
Tgt Ion: 88 Resp: 14944

Ion Ratio Lower Upper

88 100

43 30.2 17.0 25.6#

58 68.9 47.0 70.4



#50

Toluene-d8

Concen: 50.631 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN080315.D

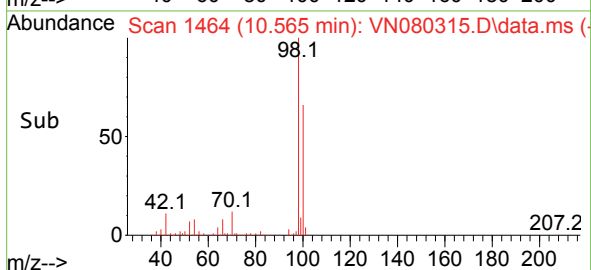
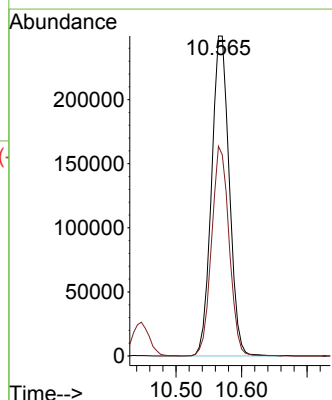
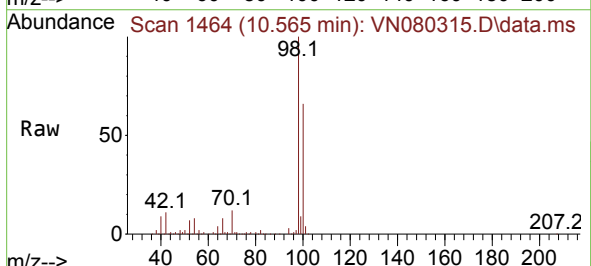
Acq: 01 Dec 2023 11:14

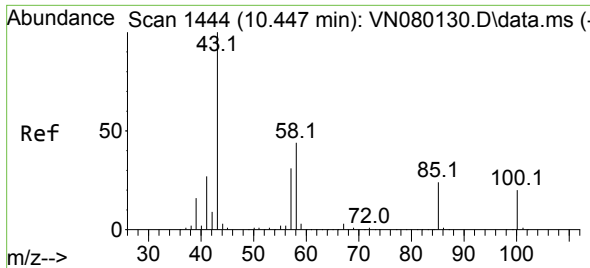
Tgt Ion: 98 Resp: 467650

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0

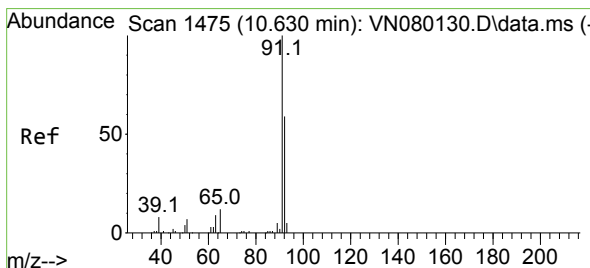
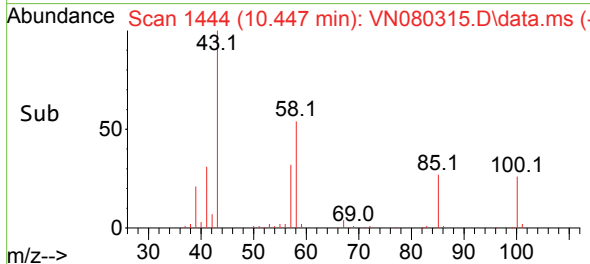
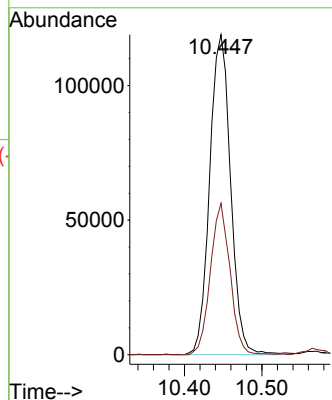
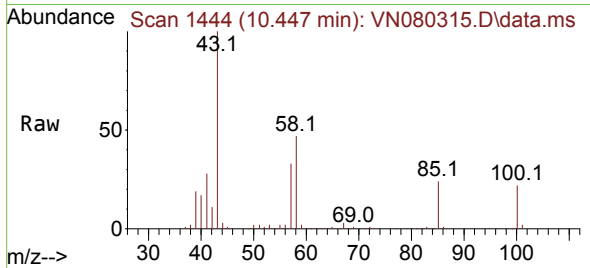




#51  
4-Methyl-2-Pentanone  
Concen: 86.109 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

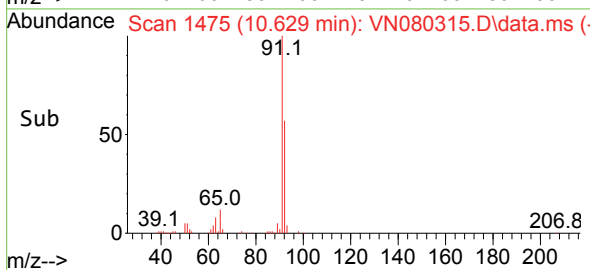
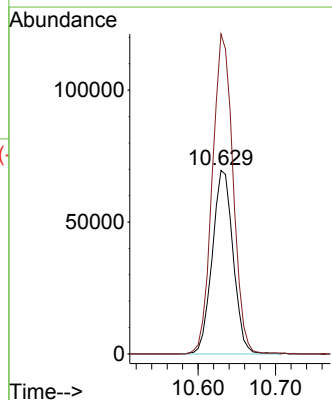
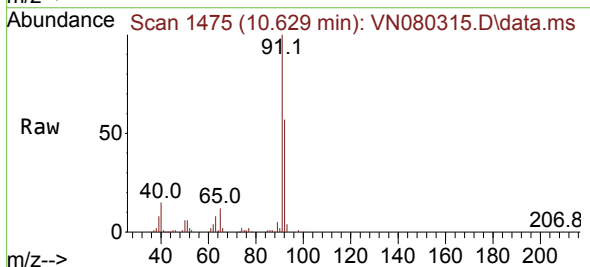
Instrument :  
MSVOA\_N  
ClientSampleId :

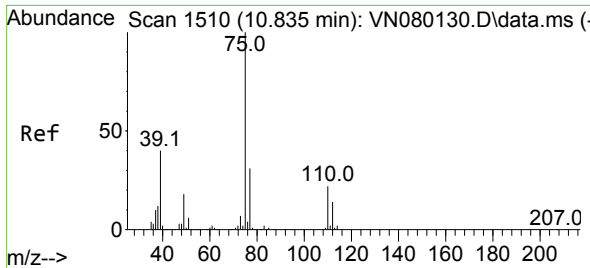
Tgt Ion: 43 Resp: 223228  
Ion Ratio Lower Upper  
43 100  
58 44.4 36.6 54.8



#52  
Toluene  
Concen: 19.709 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 92 Resp: 130045  
Ion Ratio Lower Upper  
92 100  
91 172.9 137.4 206.0

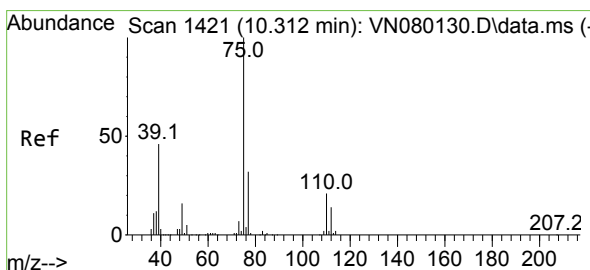
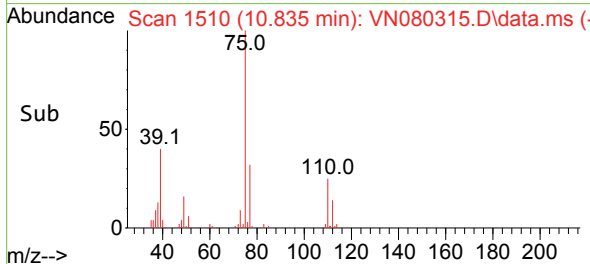
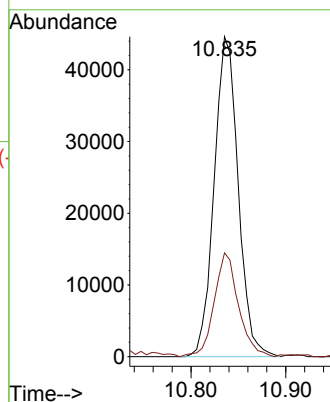
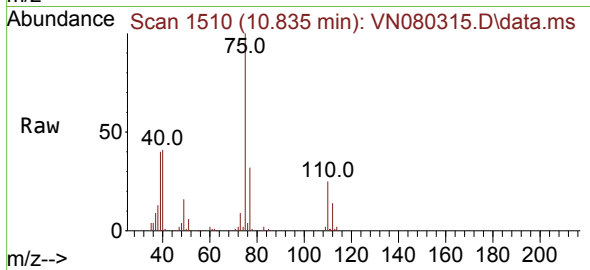




#53  
 t-1,3-Dichloropropene  
 Concen: 18.780 ug/l  
 RT: 10.835 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VN080315.D  
 Acq: 01 Dec 2023 11:14

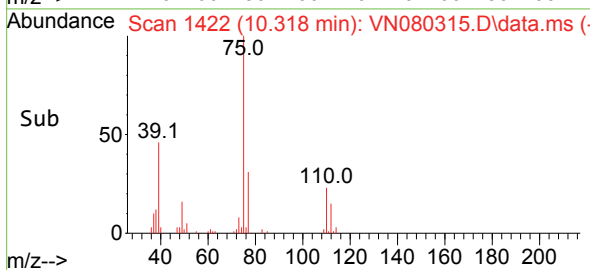
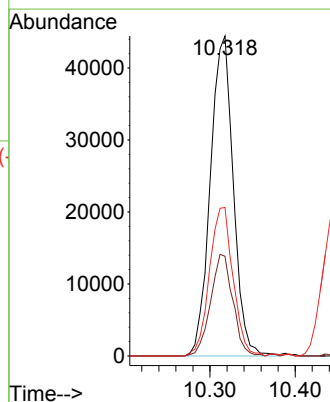
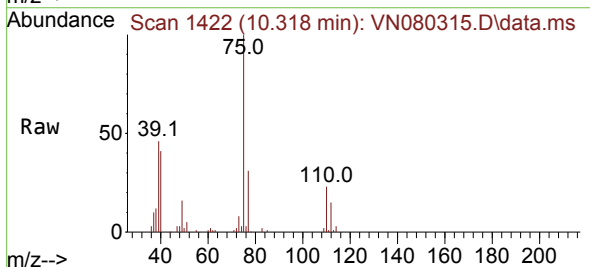
Instrument :  
 MSVOA\_N  
 ClientSampleId :

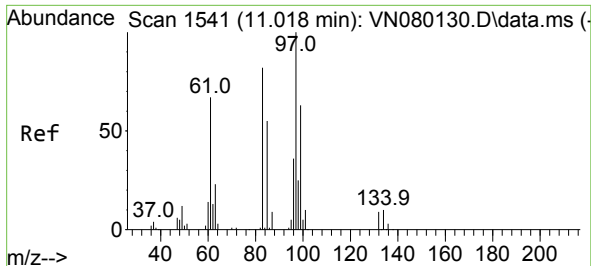
Tgt Ion: 75 Resp: 78722  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.442 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. 0.006 min  
 Lab File: VN080315.D  
 Acq: 01 Dec 2023 11:14

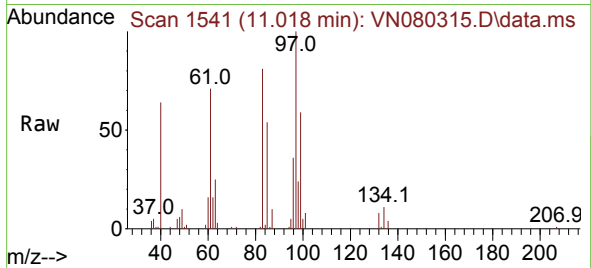
Tgt Ion: 75 Resp: 83260  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 26.1 39.1  
 39 46.4 31.6 47.4



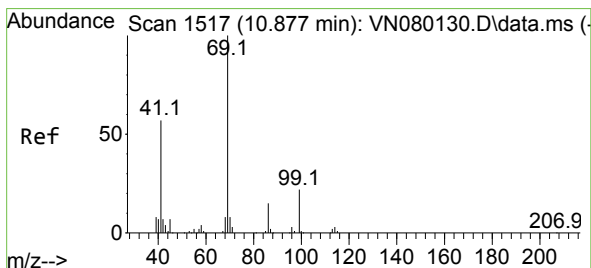
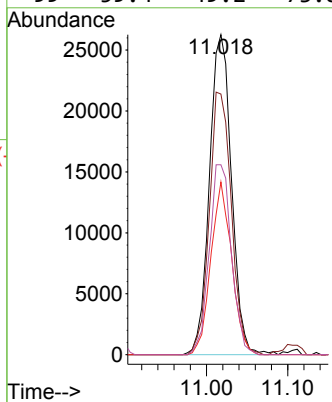
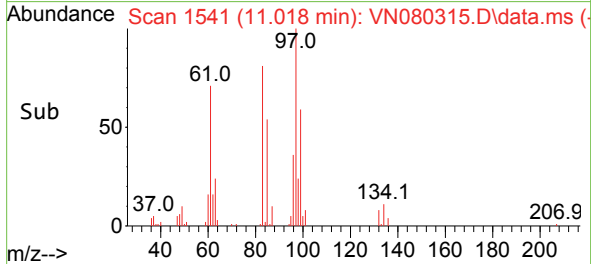


#55  
 1,1,2-Trichloroethane  
 Concen: 19.702 ug/l  
 RT: 11.018 min Scan# 1541  
 Delta R.T. -0.000 min  
 Lab File: VN080315.D  
 Acq: 01 Dec 2023 11:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :

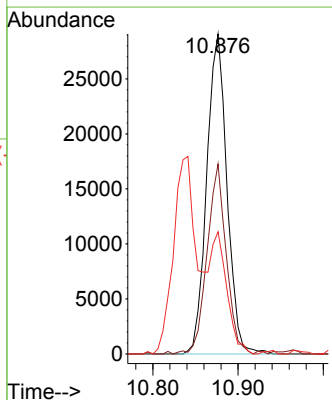
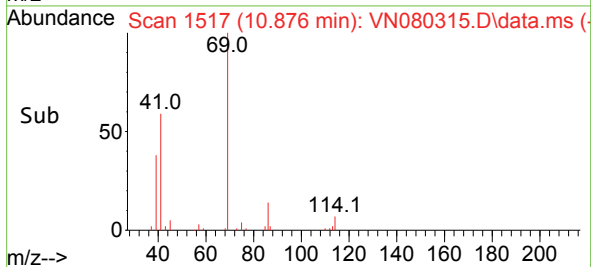
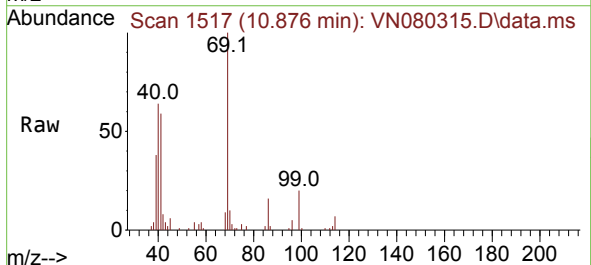


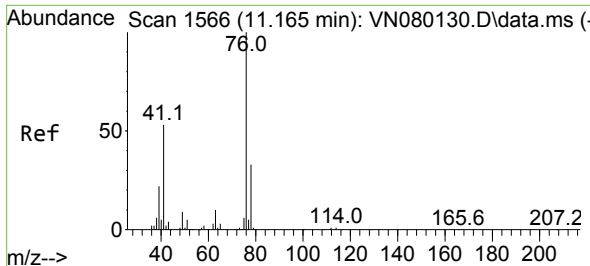
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 49616 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 81.4  | 65.1  | 97.7  |
| 85       | 54.0  | 43.4  | 65.2  |
| 99       | 59.4  | 49.2  | 73.8  |



#56  
 Ethyl methacrylate  
 Concen: 18.657 ug/l  
 RT: 10.876 min Scan# 1517  
 Delta R.T. -0.000 min  
 Lab File: VN080315.D  
 Acq: 01 Dec 2023 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 47999 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 56.0  | 39.6  | 59.4  |
| 39       | 28.9  | 28.6  | 43.0  |





#57

1,3-Dichloropropane

Concen: 19.304 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.000 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

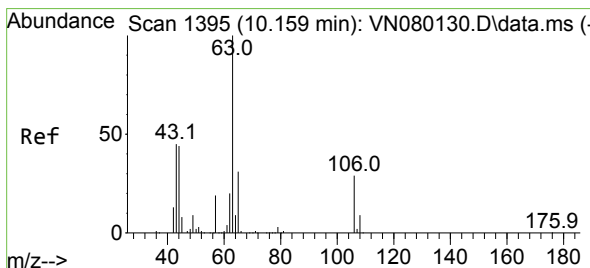
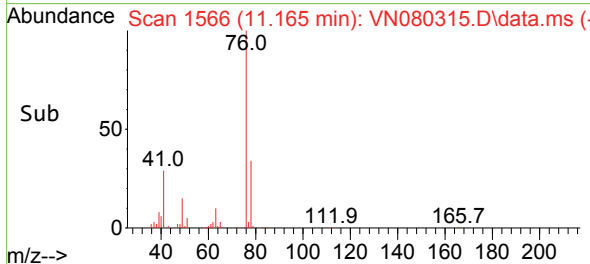
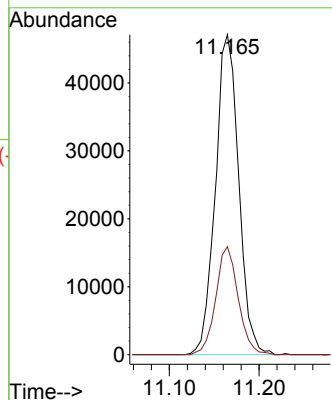
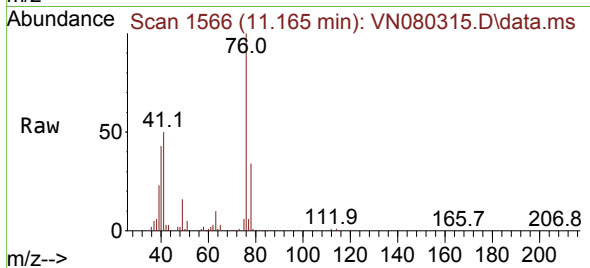
ClientSampleId :

Tgt Ion: 76 Resp: 84879

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 77.123 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. 0.006 min

Lab File: VN080315.D

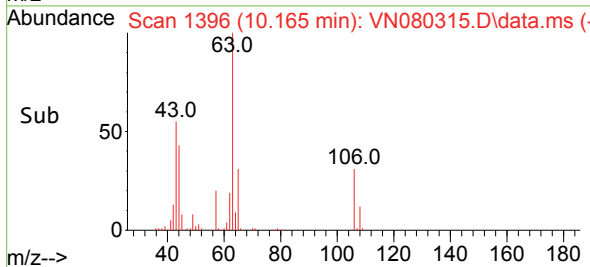
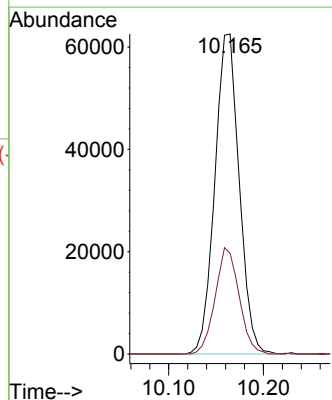
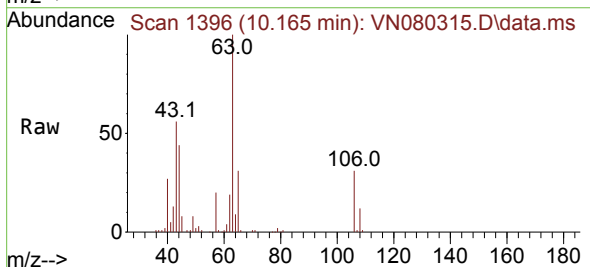
Acq: 01 Dec 2023 11:14

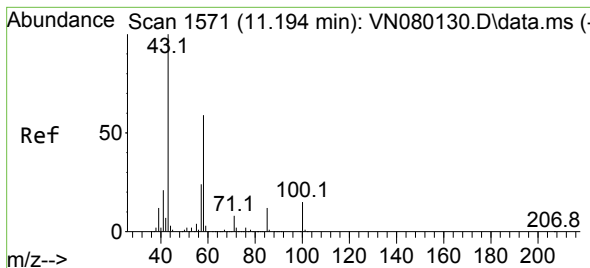
Tgt Ion: 63 Resp: 111780

Ion Ratio Lower Upper

63 100

106 32.5 26.2 39.4

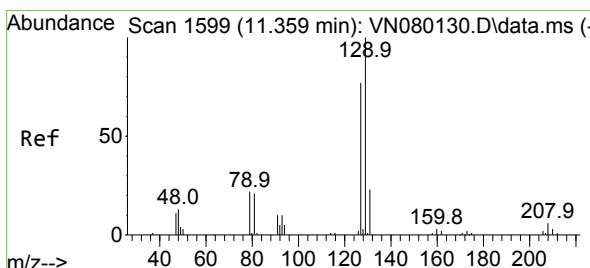
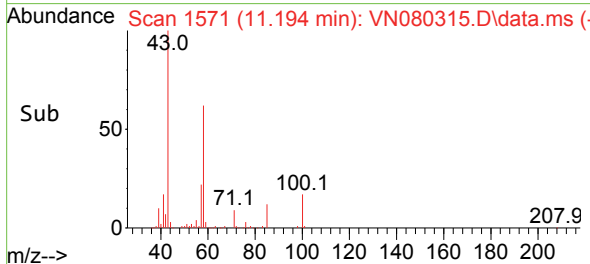
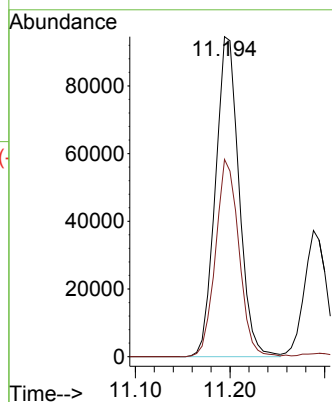
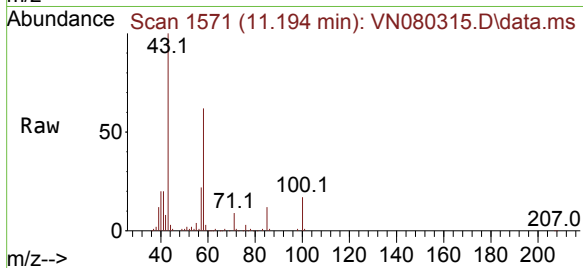




#59  
2-Hexanone  
Concen: 78.578 ug/l  
RT: 11.194 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

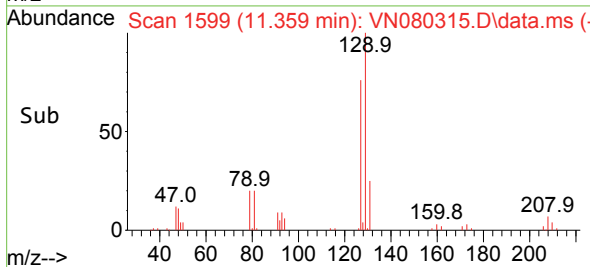
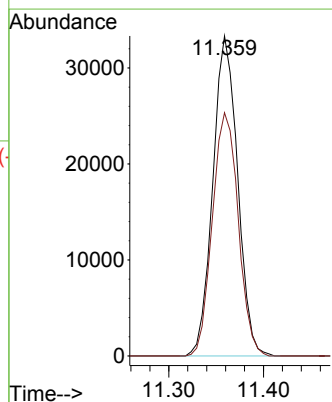
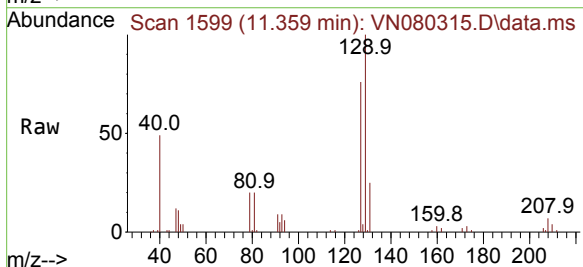
Instrument :  
MSVOA\_N  
ClientSampleId :

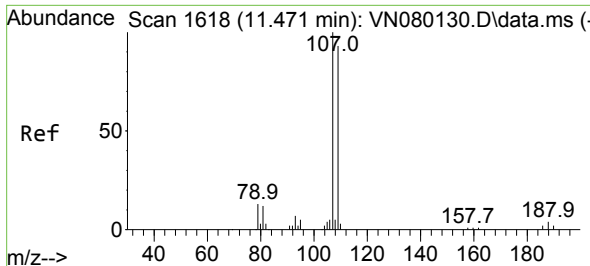
Tgt Ion: 43 Resp: 163687  
Ion Ratio Lower Upper  
43 100  
58 61.1 31.7 95.1



#60  
Dibromochloromethane  
Concen: 20.092 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion:129 Resp: 60577  
Ion Ratio Lower Upper  
129 100  
127 79.2 38.6 116.0

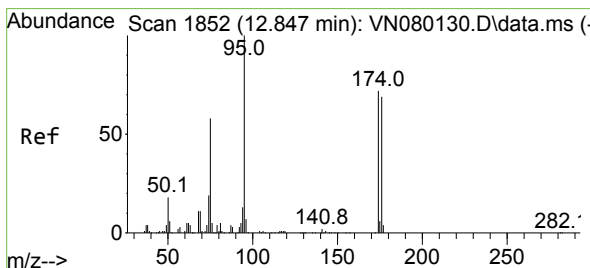
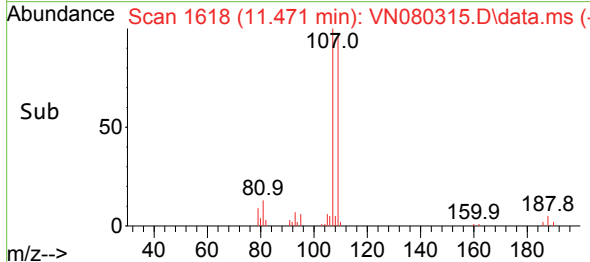
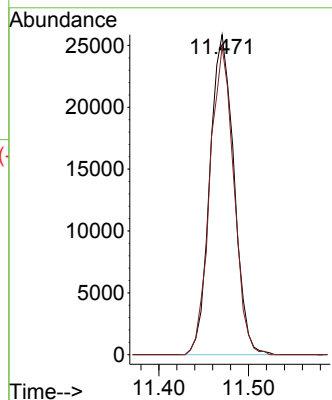
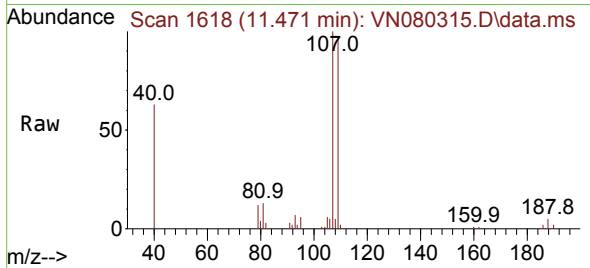




#61  
1,2-Dibromoethane  
Concen: 18.779 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

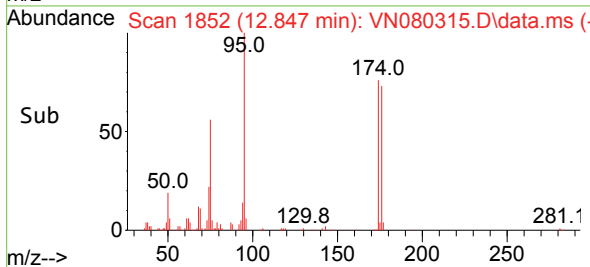
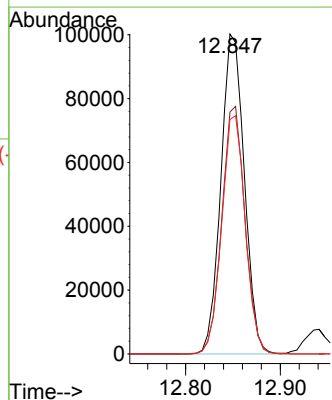
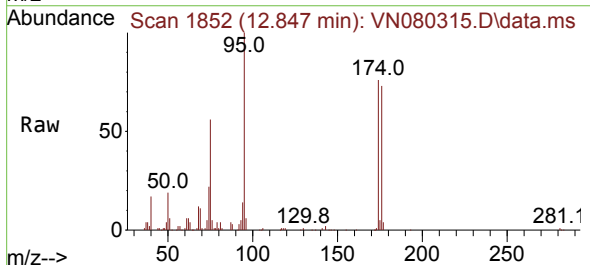
Instrument :  
MSVOA\_N  
ClientSampleId :

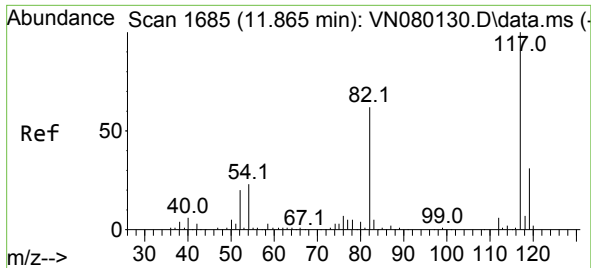
Tgt Ion:107 Resp: 48245  
Ion Ratio Lower Upper  
107 100  
109 95.6 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 49.433 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 95 Resp: 172461  
Ion Ratio Lower Upper  
95 100  
174 76.6 0.0 143.8  
176 74.7 0.0 135.8

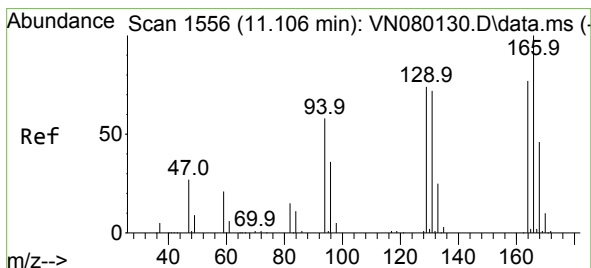
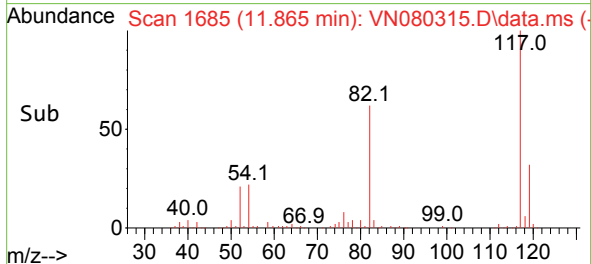
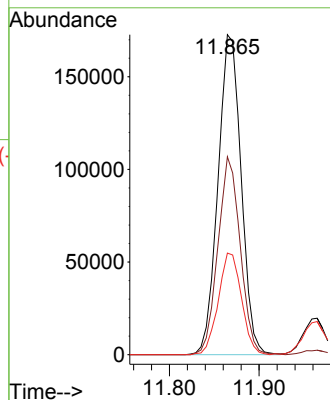
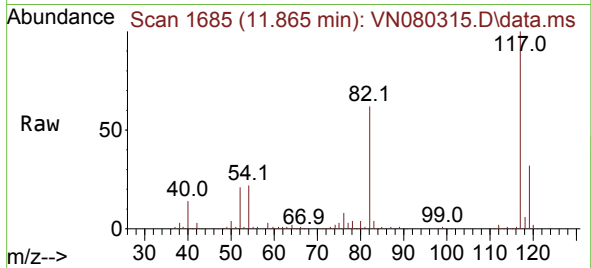




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

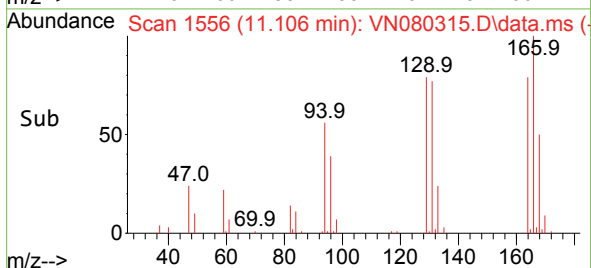
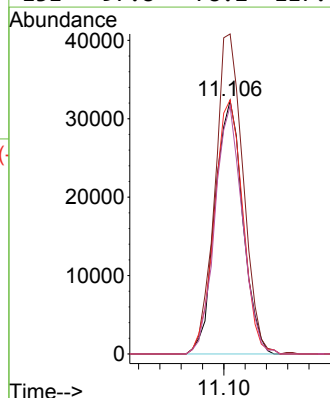
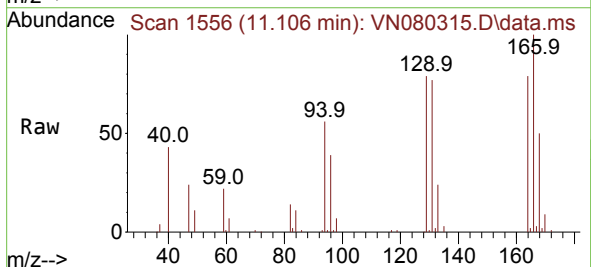
Instrument :  
MSVOA\_N  
ClientSampleId :

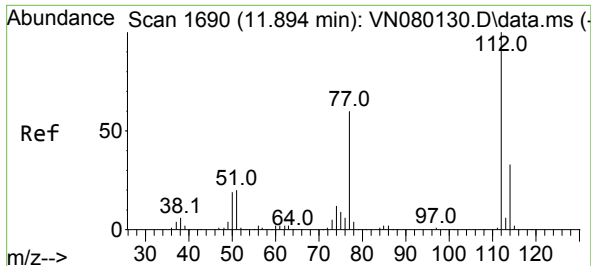
Tgt Ion:117 Resp: 309462  
Ion Ratio Lower Upper  
117 100  
82 61.8 44.0 66.0  
119 31.8 25.6 38.4



#64  
Tetrachloroethene  
Concen: 24.910 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion:164 Resp: 58831  
Ion Ratio Lower Upper  
164 100  
166 126.3 101.4 152.0  
129 100.3 82.4 123.6  
131 97.8 78.2 117.4

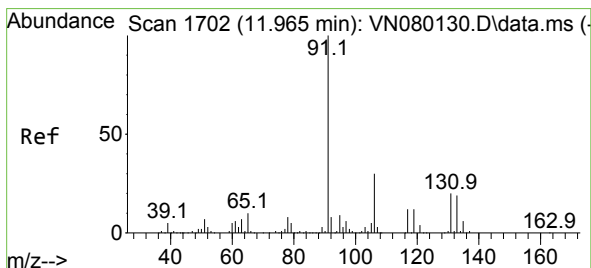
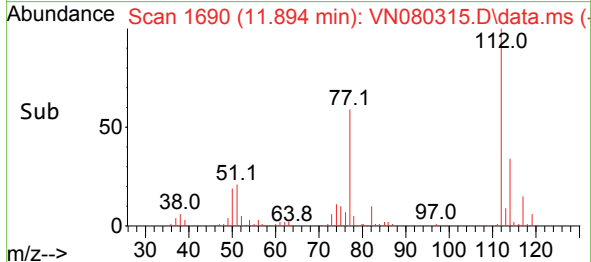
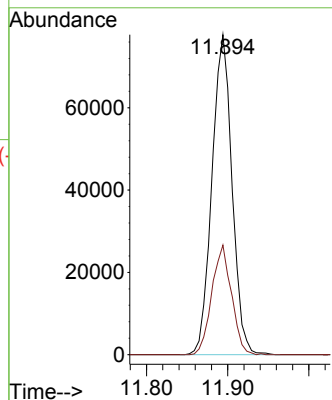
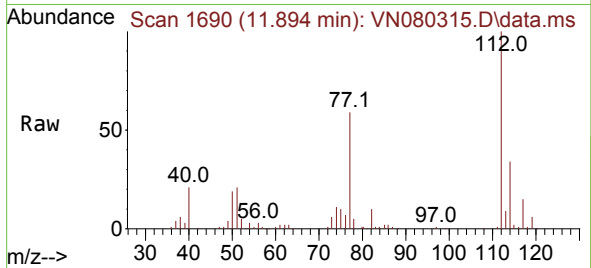




#65  
Chlorobenzene  
Concen: 19.038 ug/l  
RT: 11.894 min Scan# 1189  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

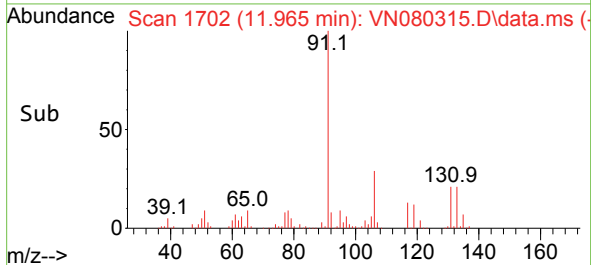
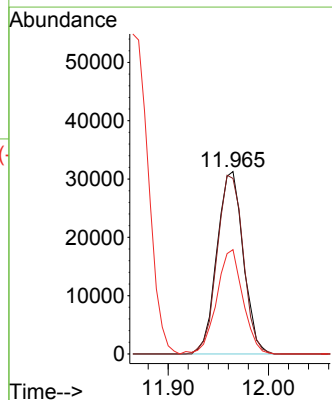
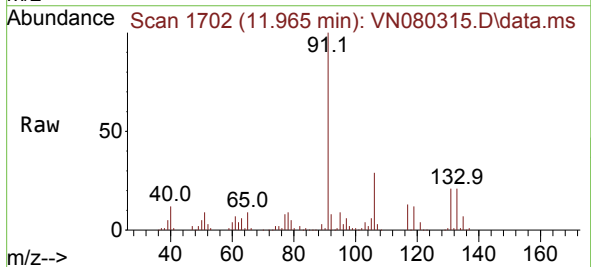
Instrument :  
MSVOA\_N  
ClientSampleId :

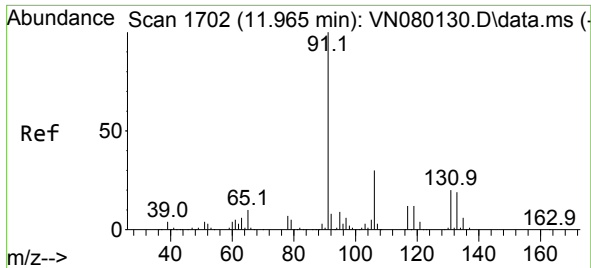
Tgt Ion:112 Resp: 133501  
Ion Ratio Lower Upper  
112 100  
114 34.3 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.956 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion:131 Resp: 57024  
Ion Ratio Lower Upper  
131 100  
133 97.4 46.4 139.1  
119 57.0 34.1 102.2

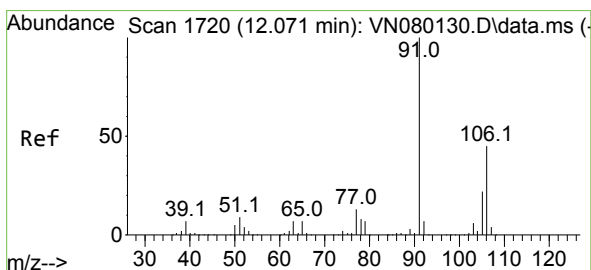
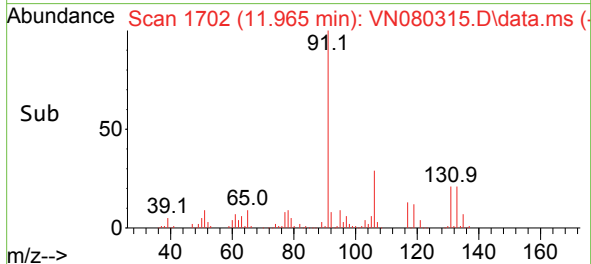
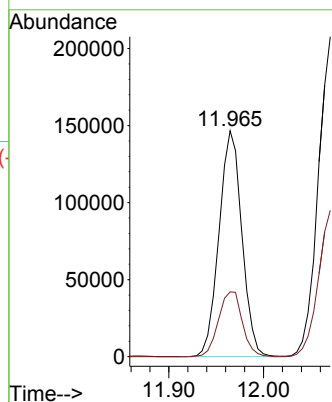
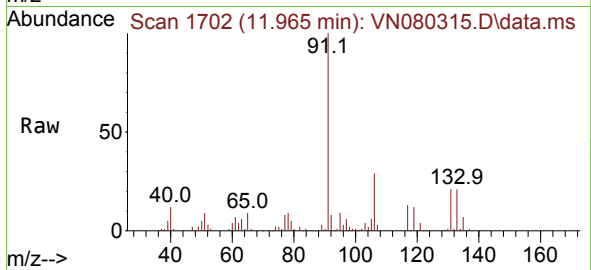




#67  
Ethyl Benzene  
Concen: 19.710 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

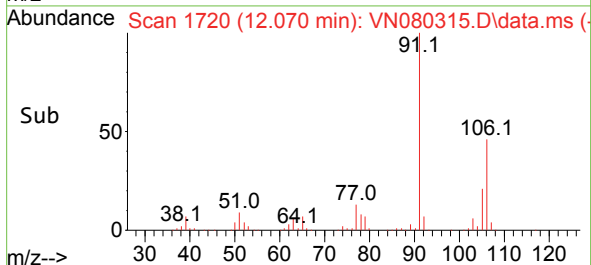
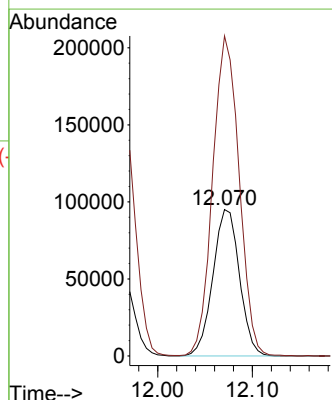
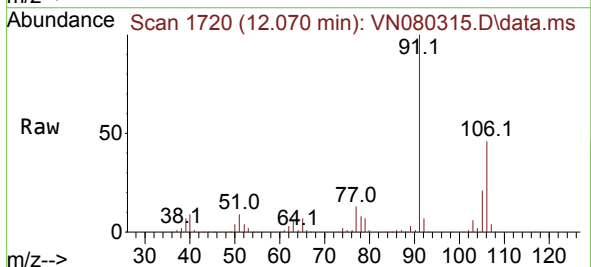
Instrument :  
MSVOA\_N  
ClientSampleId :

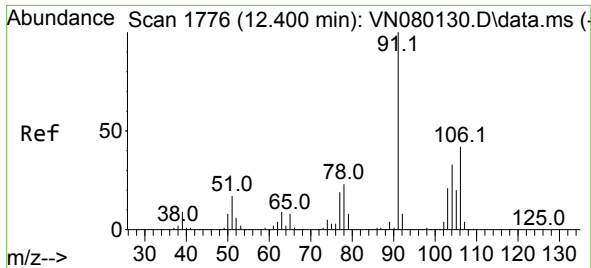
Tgt Ion: 91 Resp: 245934  
Ion Ratio Lower Upper  
91 100  
106 28.7 25.6 38.4



#68  
m/p-Xylenes  
Concen: 40.755 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion:106 Resp: 185416  
Ion Ratio Lower Upper  
106 100  
91 217.5 159.6 239.4

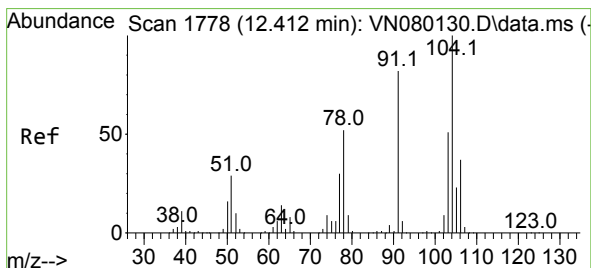
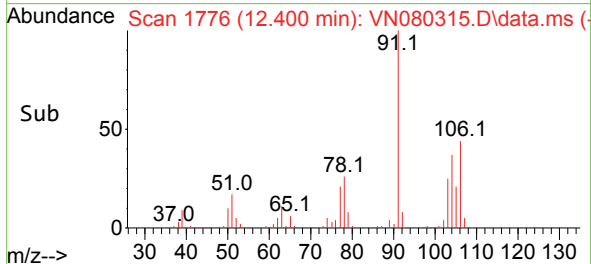
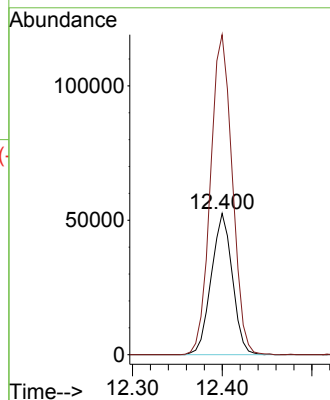
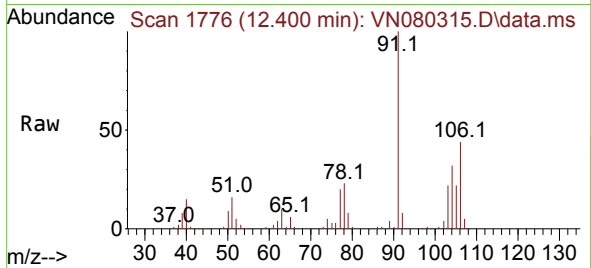




#69  
o-Xylene  
Concen: 19.987 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

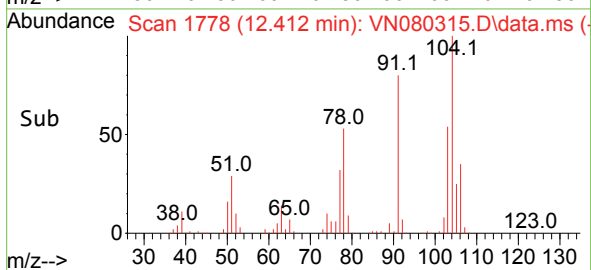
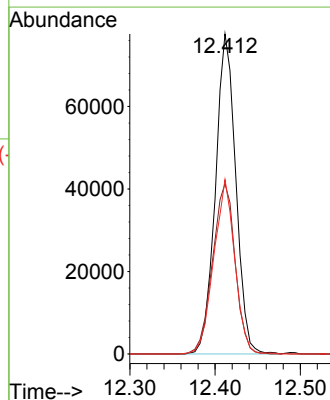
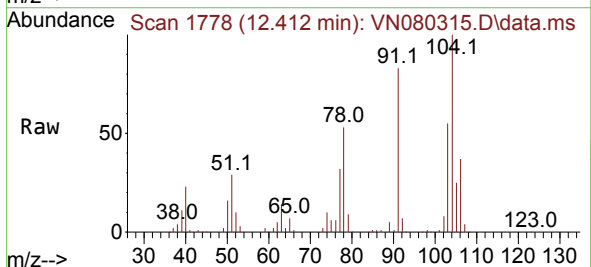
Instrument :  
MSVOA\_N  
ClientSampleId :

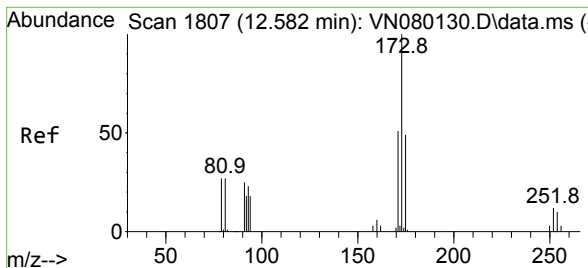
Tgt Ion:106 Resp: 85695  
Ion Ratio Lower Upper  
106 100  
91 234.5 105.2 315.5



#70  
Styrene  
Concen: 20.195 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion:104 Resp: 128874  
Ion Ratio Lower Upper  
104 100  
78 59.0 39.5 59.3  
103 56.4 43.2 64.8





#71

Bromoform

Concen: 20.311 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.006 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

ClientSampleId :

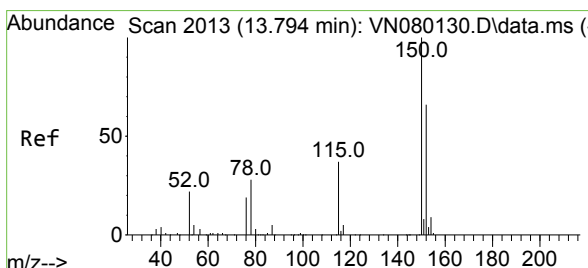
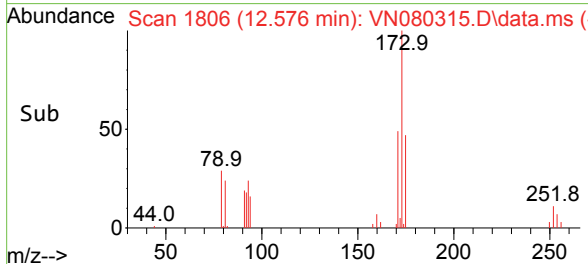
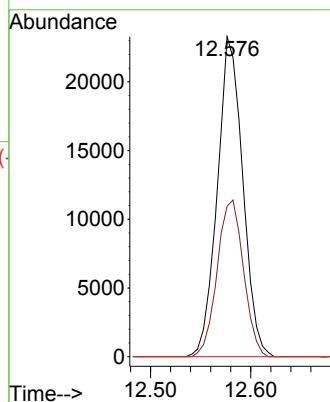
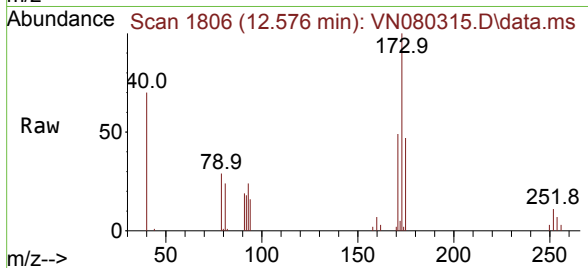
Tgt Ion:173 Resp: 40987

Ion Ratio Lower Upper

173 100

175 50.6 24.3 73.0

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: VN080315.D

Acq: 01 Dec 2023 11:14

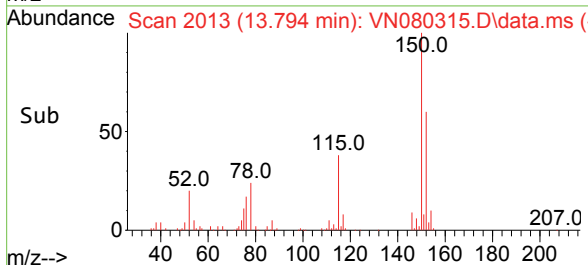
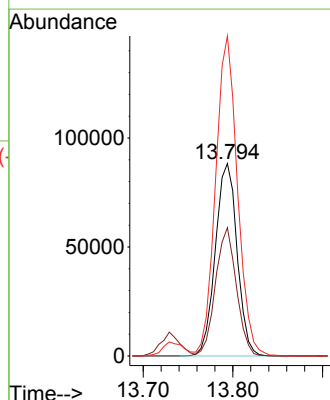
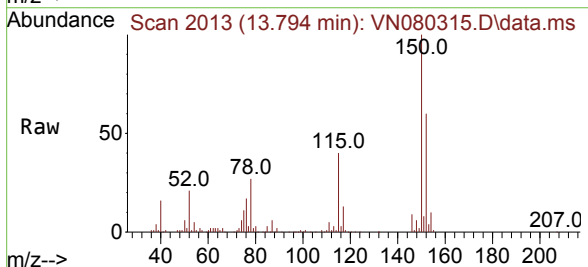
Tgt Ion:152 Resp: 148615

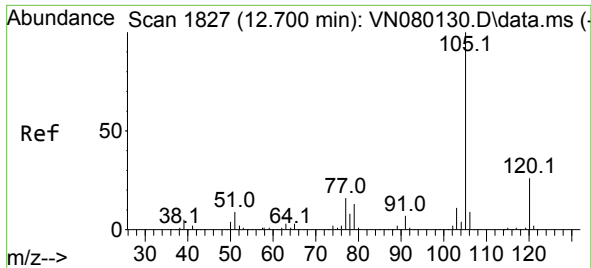
Ion Ratio Lower Upper

152 100

115 64.0 32.3 96.8

150 166.7 0.0 355.8

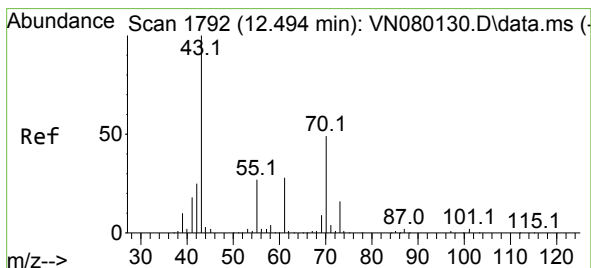
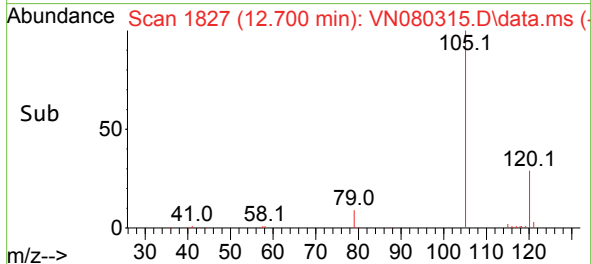
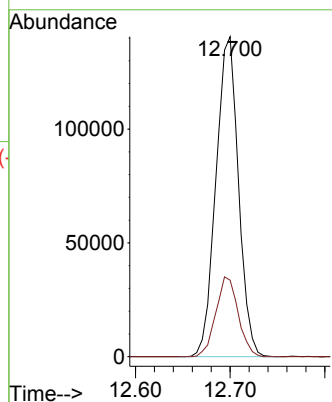
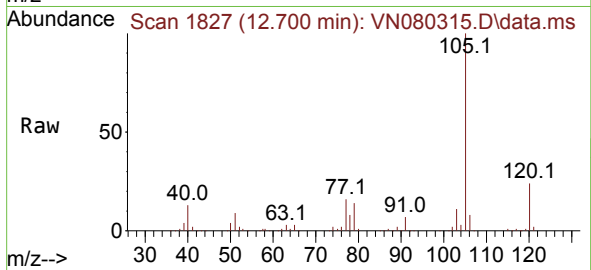




#73  
Isopropylbenzene  
Concen: 20.110 ug/l  
RT: 12.700 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

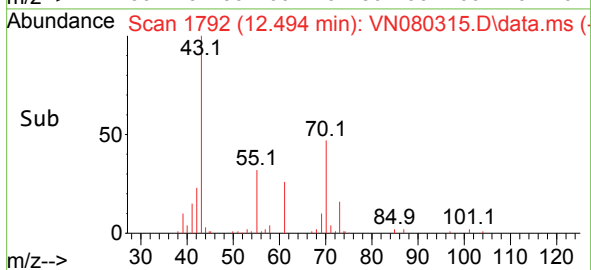
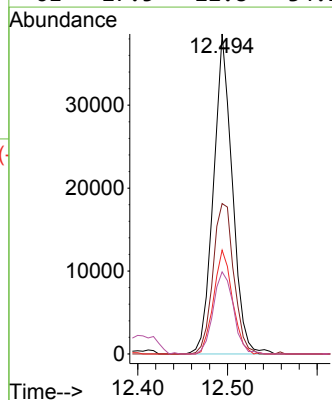
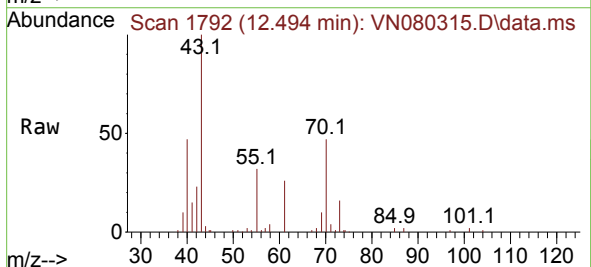
Instrument :  
MSVOA\_N  
ClientSampleId :

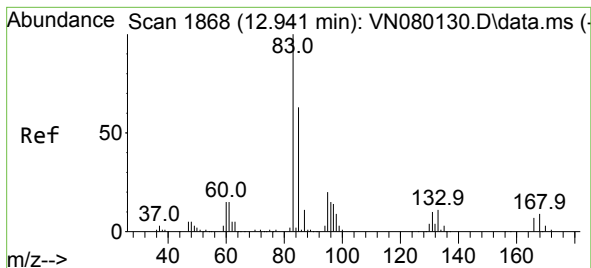
Tgt Ion:105 Resp: 232238  
Ion Ratio Lower Upper  
105 100  
120 24.8 13.1 39.1



#74  
N-ethyl acetate  
Concen: 15.602 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 43 Resp: 56187  
Ion Ratio Lower Upper  
43 100  
70 52.1 43.4 65.2  
55 32.4 21.4 32.0#  
61 27.5 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 16.351 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

ClientSampleId :

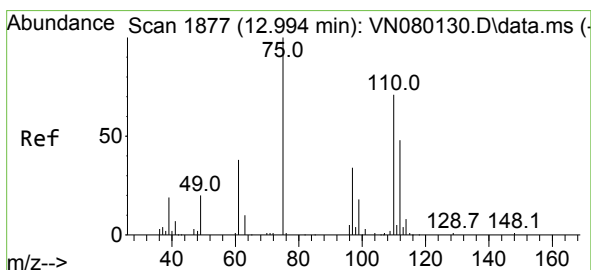
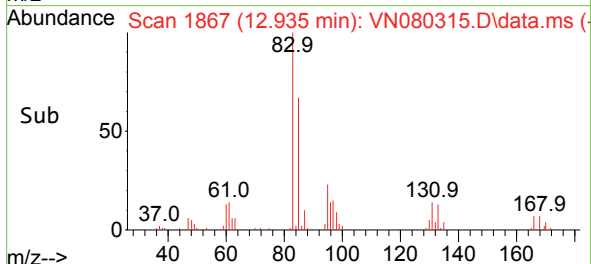
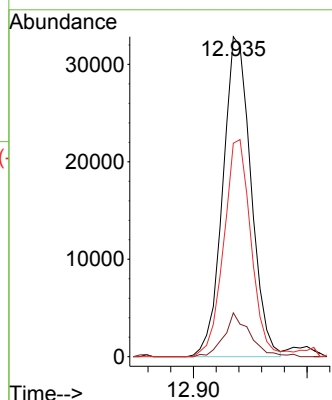
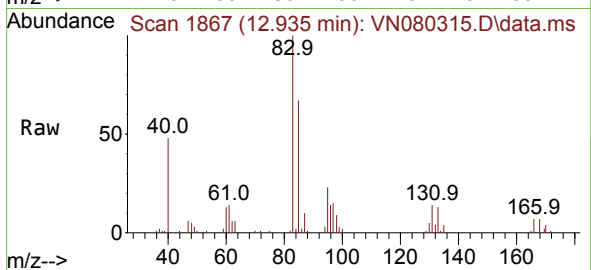
Tgt Ion: 83 Resp: 56516

Ion Ratio Lower Upper

83 100

131 12.6 5.0 15.0

85 66.3 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 23.389 ug/l

RT: 12.994 min Scan# 1877

Delta R.T. -0.000 min

Lab File: VN080315.D

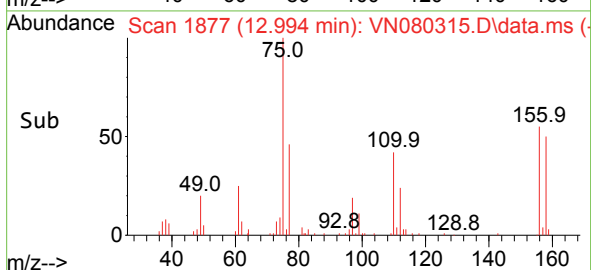
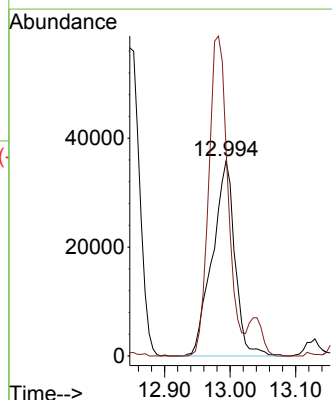
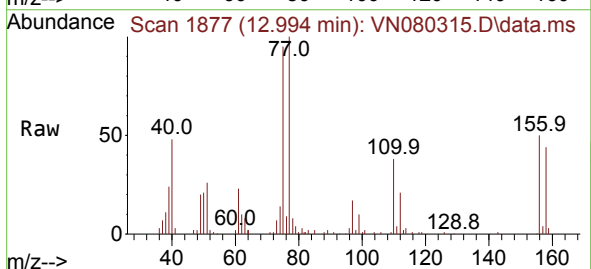
Acq: 01 Dec 2023 11:14

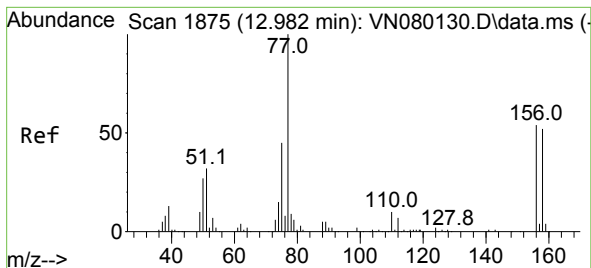
Tgt Ion: 75 Resp: 85166

Ion Ratio Lower Upper

75 100

77 140.9 84.5 253.5





#77

Bromobenzene

Concen: 19.519 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VN080315.D

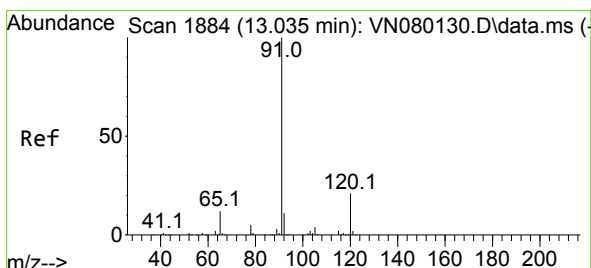
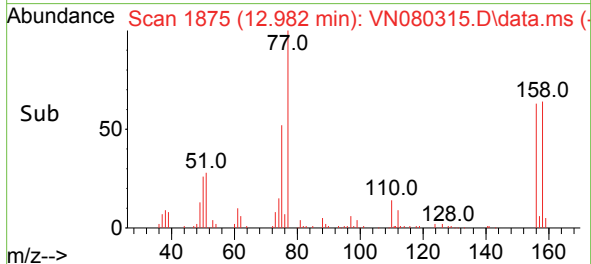
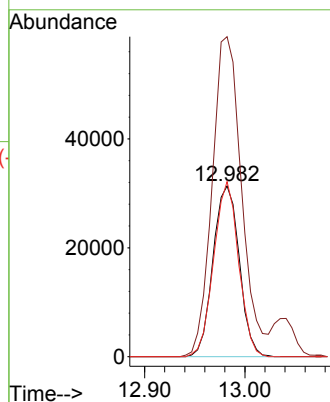
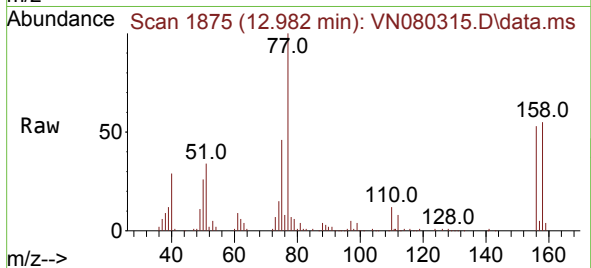
Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 56833 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 211.1 | 107.7 | 323.3 |
| 158       | 97.6  | 48.4  | 145.3 |



#78

n-propylbenzene

Concen: 19.692 ug/l

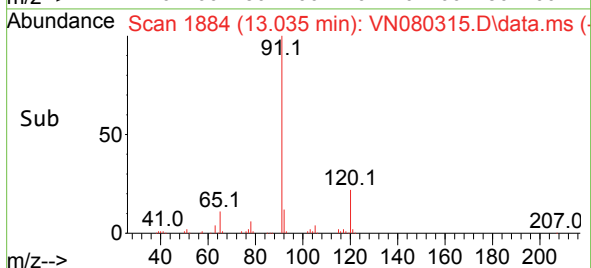
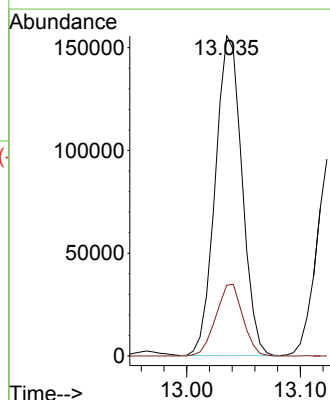
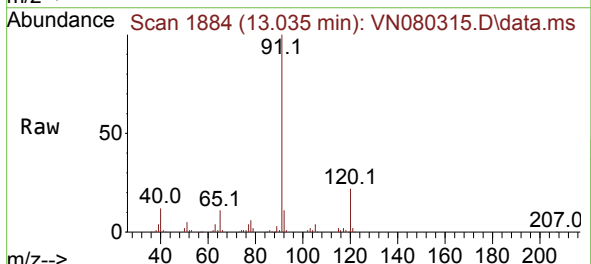
RT: 13.035 min Scan# 1884

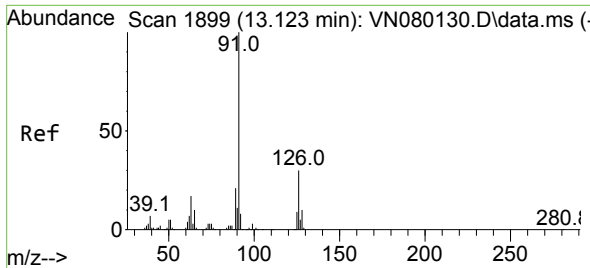
Delta R.T. -0.000 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 254305 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.6  | 11.5  | 34.4   |

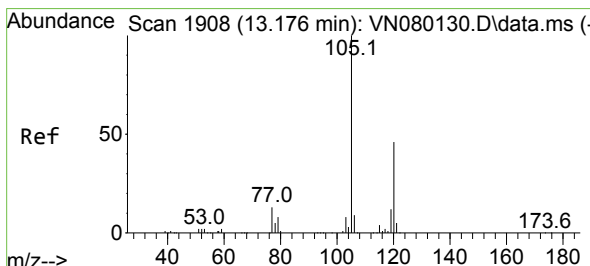
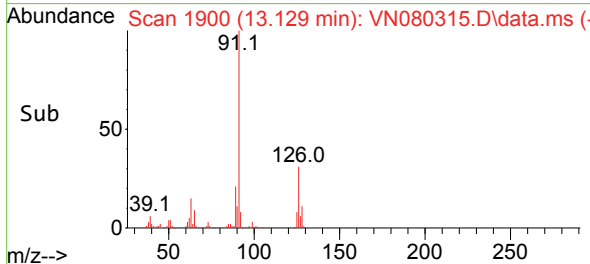
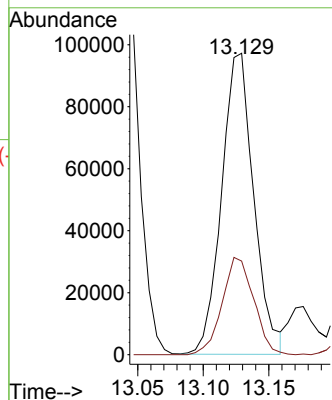
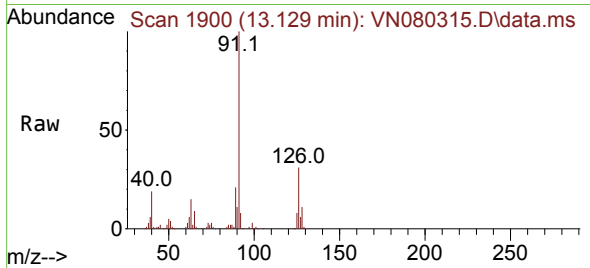




#79  
2-Chlorotoluene  
Concen: 19.774 ug/l  
RT: 13.129 min Scan# 1899  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

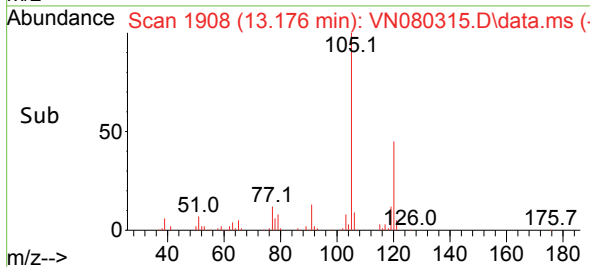
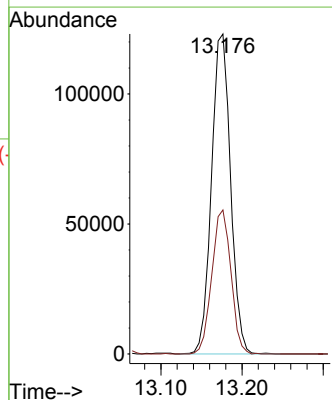
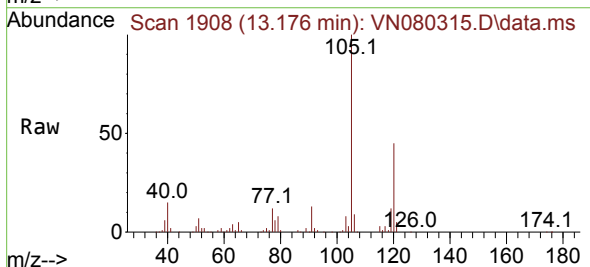
Instrument :  
MSVOA\_N  
ClientSampleId :

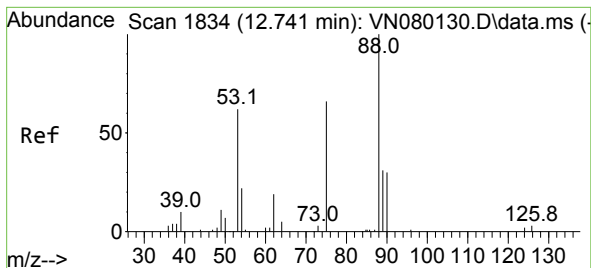
Tgt Ion: 91 Resp: 165849  
Ion Ratio Lower Upper  
91 100  
126 31.7 16.3 48.8



#80  
1,3,5-Trimethylbenzene  
Concen: 19.960 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 105 Resp: 200660  
Ion Ratio Lower Upper  
105 100  
120 45.0 24.1 72.3

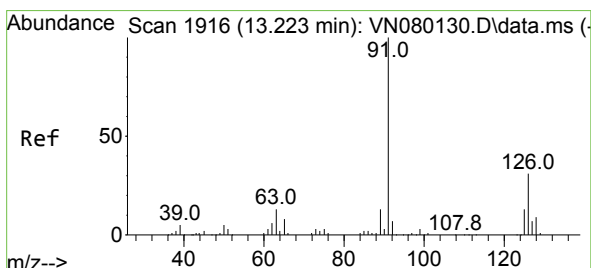
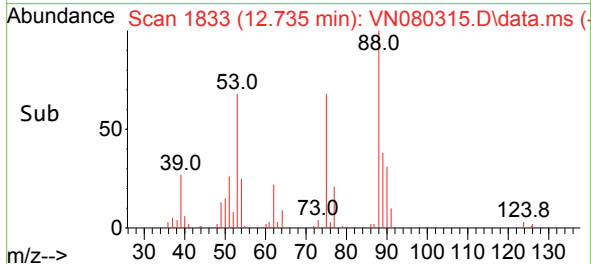
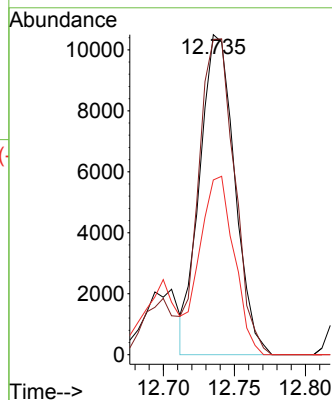
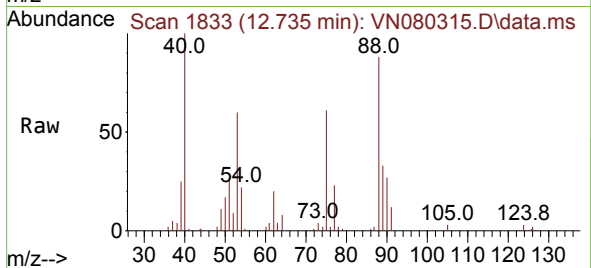




#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.668 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

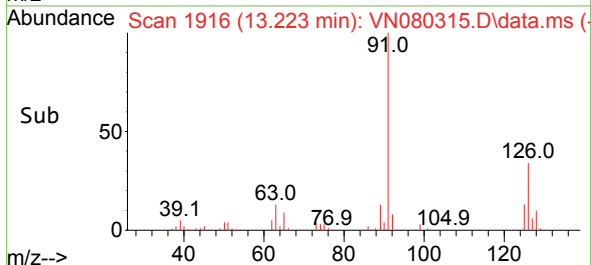
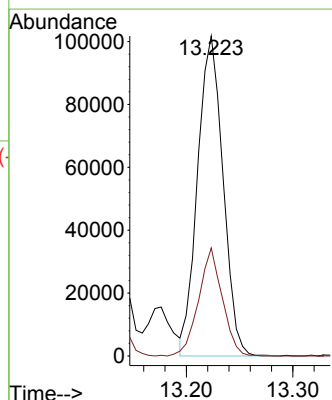
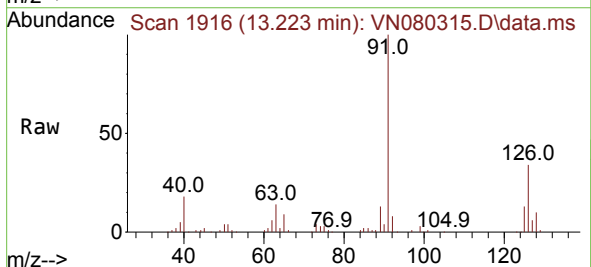
Instrument :  
MSVOA\_N  
ClientSampleId :

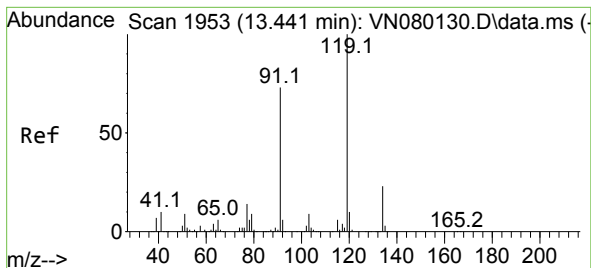
Tgt Ion: 75 Resp: 17964  
Ion Ratio Lower Upper  
75 100  
53 100.5 67.4 101.2  
89 55.4 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 19.636 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 91 Resp: 168725  
Ion Ratio Lower Upper  
91 100  
126 31.5 16.7 50.0





#83

tert-Butylbenzene

Concen: 19.431 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

ClientSampleId :

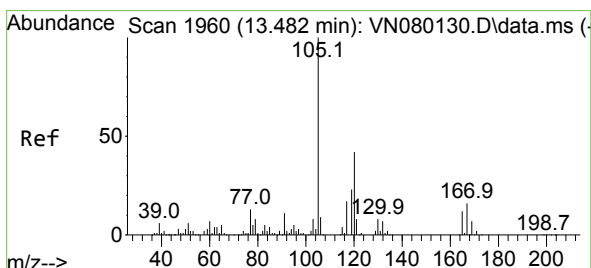
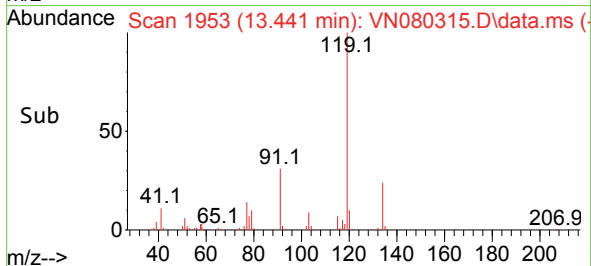
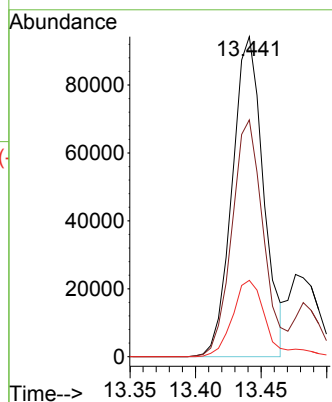
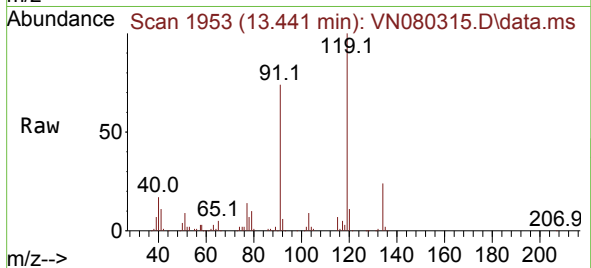
Tgt Ion:119 Resp: 156644

Ion Ratio Lower Upper

119 100

91 74.8 33.9 101.7

134 25.8 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 20.258 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN080315.D

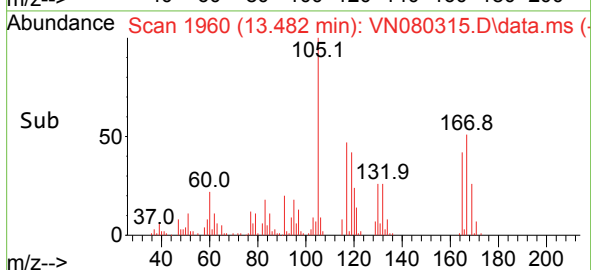
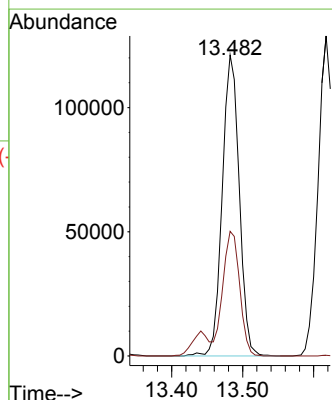
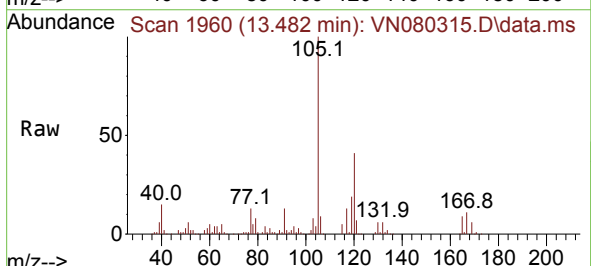
Acq: 01 Dec 2023 11:14

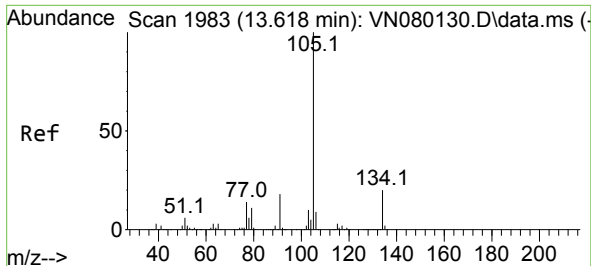
Tgt Ion:105 Resp: 200528

Ion Ratio Lower Upper

105 100

120 41.9 22.0 66.0

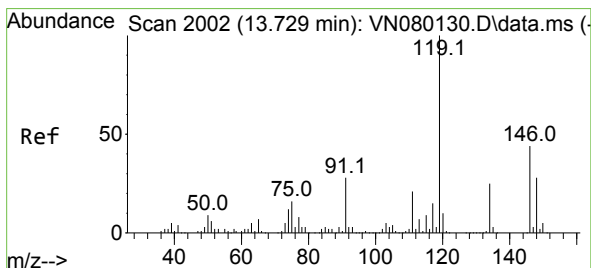
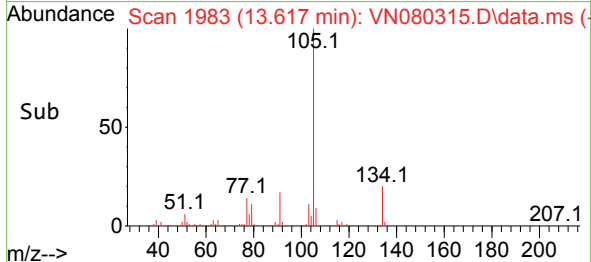
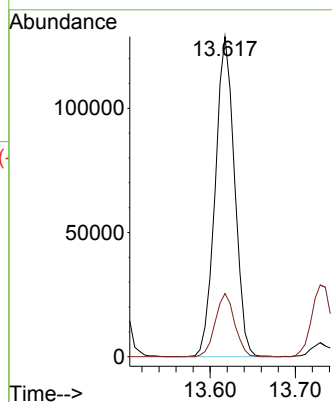
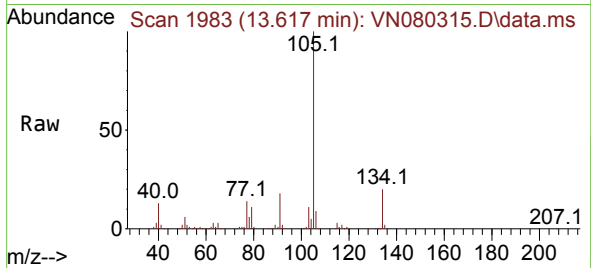




#85  
 sec-Butylbenzene  
 Concen: 19.900 ug/l  
 RT: 13.617 min Scan# 1983  
 Delta R.T. -0.000 min  
 Lab File: VN080315.D  
 Acq: 01 Dec 2023 11:14

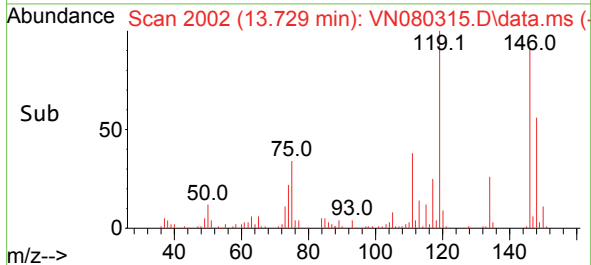
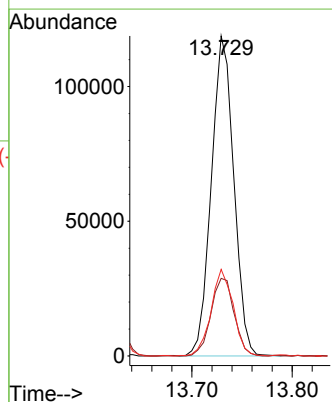
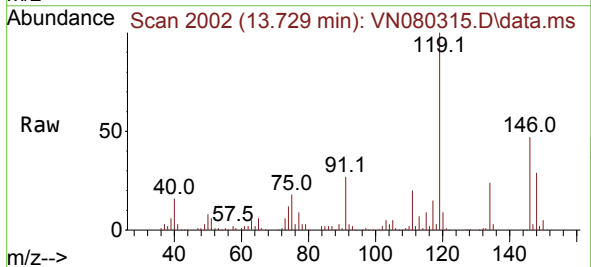
Instrument :  
 MSVOA\_N  
 ClientSampleId :

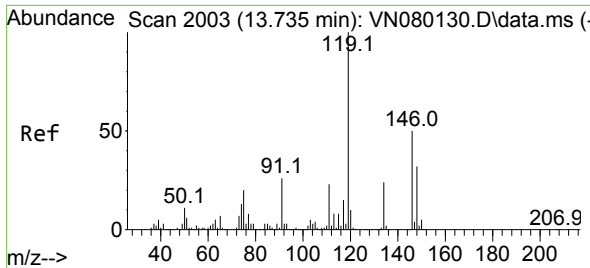
Tgt Ion:105 Resp: 202945  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 20.314 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. -0.000 min  
 Lab File: VN080315.D  
 Acq: 01 Dec 2023 11:14

Tgt Ion:119 Resp: 185065  
 Ion Ratio Lower Upper  
 119 100  
 134 25.1 12.6 37.8  
 91 26.6 12.4 37.2

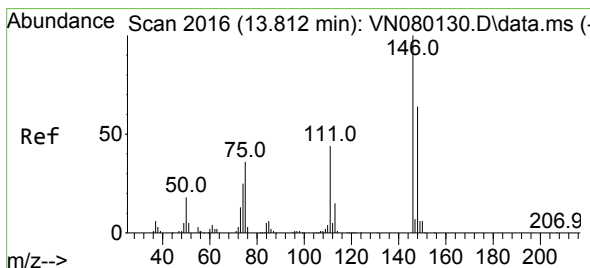
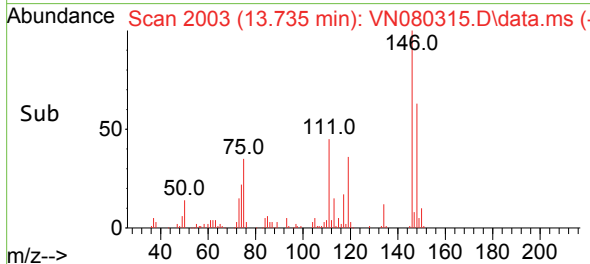
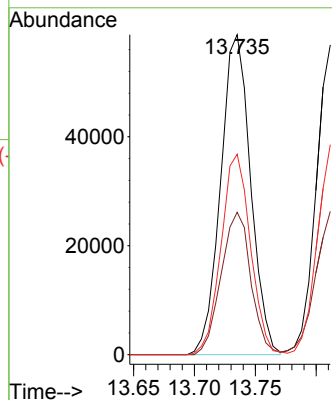
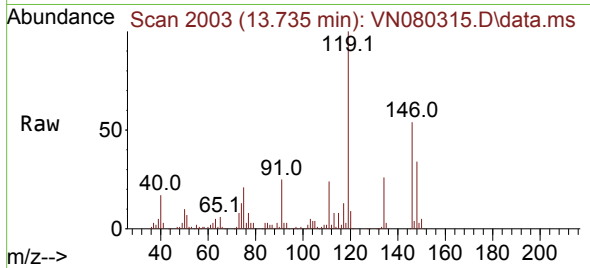




#87  
1,3-Dichlorobenzene  
Concen: 19.186 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

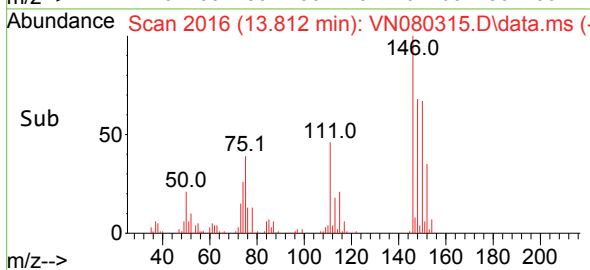
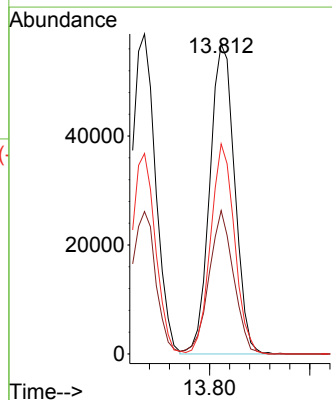
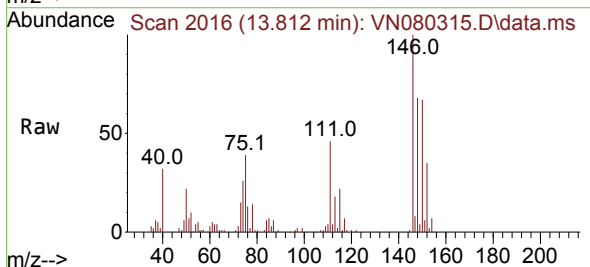
Instrument :  
MSVOA\_N  
ClientSampleId :

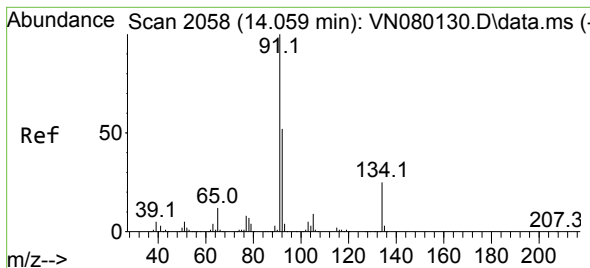
Tgt Ion:146 Resp: 100646  
Ion Ratio Lower Upper  
146 100  
111 44.2 22.1 66.3  
148 61.6 32.0 96.0



#88  
1,4-Dichlorobenzene  
Concen: 18.600 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion:146 Resp: 98056  
Ion Ratio Lower Upper  
146 100  
111 45.8 20.6 61.8  
148 65.2 31.6 94.8





#89

n-Butylbenzene

Concen: 18.513 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

ClientSampleId :

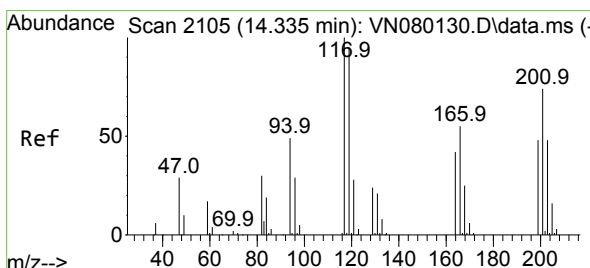
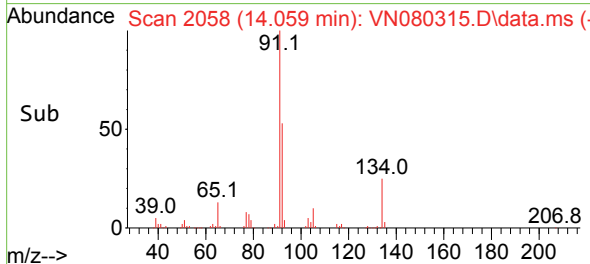
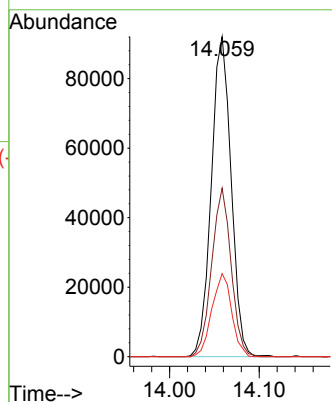
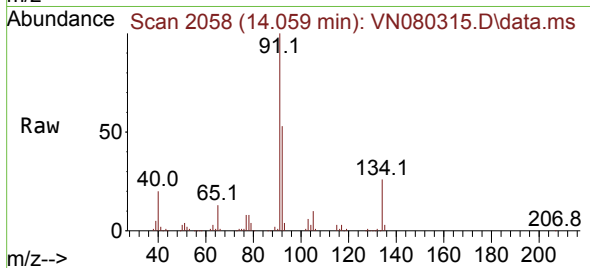
Tgt Ion: 91 Resp: 141162

Ion Ratio Lower Upper

91 100

92 51.6 26.4 79.0

134 25.9 12.6 37.6



#90

Hexachloroethane

Concen: 18.524 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. -0.000 min

Lab File: VN080315.D

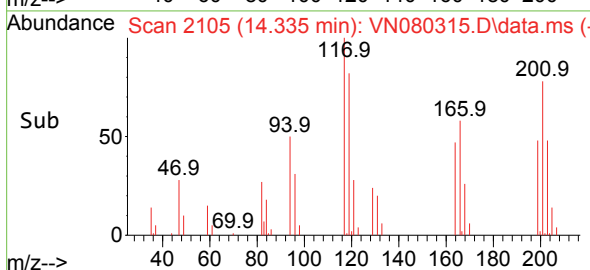
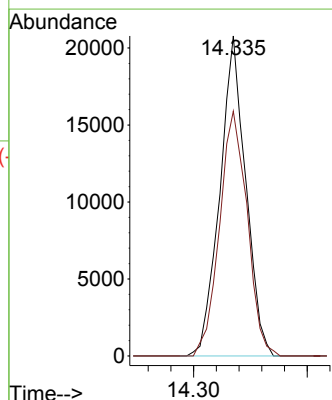
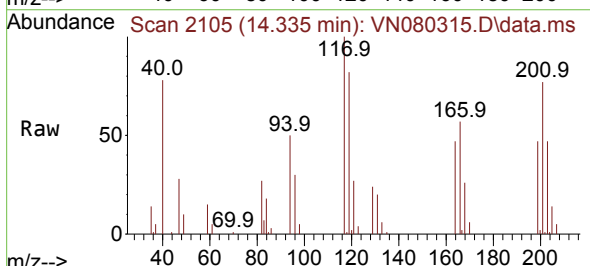
Acq: 01 Dec 2023 11:14

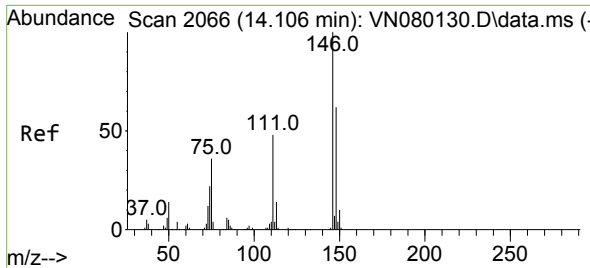
Tgt Ion: 117 Resp: 32900

Ion Ratio Lower Upper

117 100

201 81.6 29.3 88.0

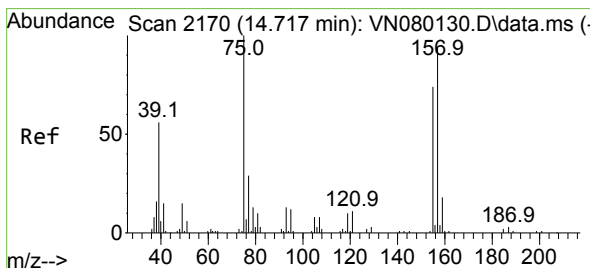
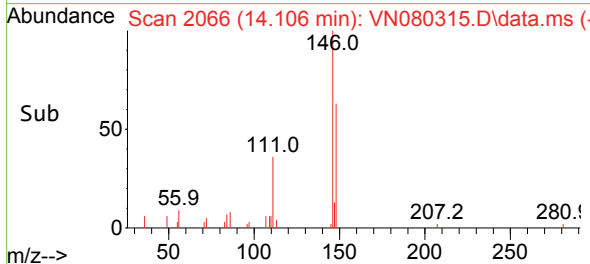
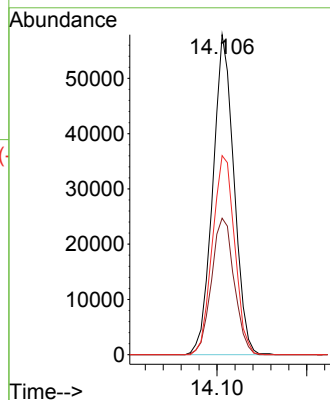
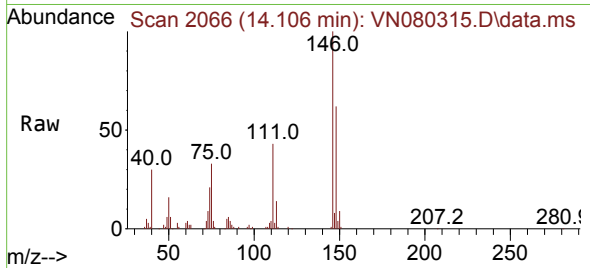




#91  
1,2-Dichlorobenzene  
Concen: 18.896 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. -0.000 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

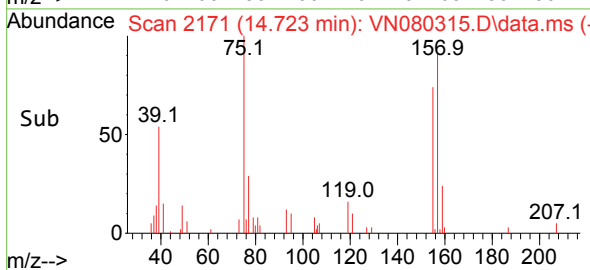
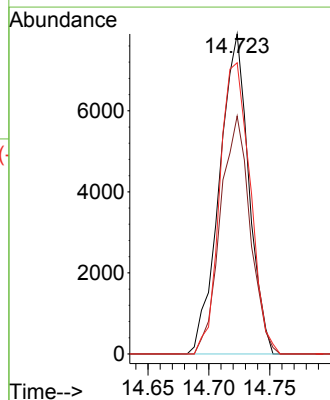
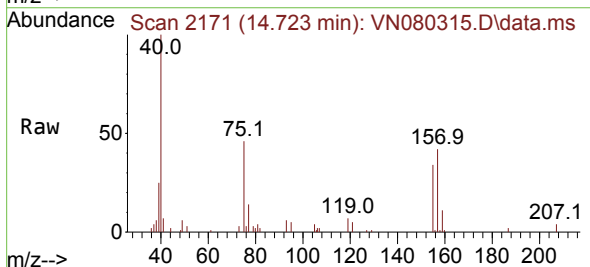
Instrument :  
MSVOA\_N  
ClientSampleId :

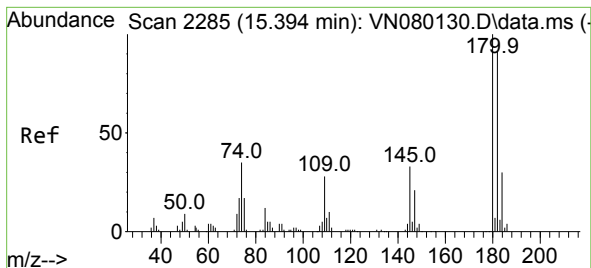
Tgt Ion:146 Resp: 94854  
Ion Ratio Lower Upper  
146 100  
111 45.6 22.0 66.0  
148 65.3 31.8 95.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 16.545 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.006 min  
Lab File: VN080315.D  
Acq: 01 Dec 2023 11:14

Tgt Ion: 75 Resp: 13283  
Ion Ratio Lower Upper  
75 100  
155 75.0 39.1 117.2  
157 93.9 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 16.062 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

ClientSampleId :

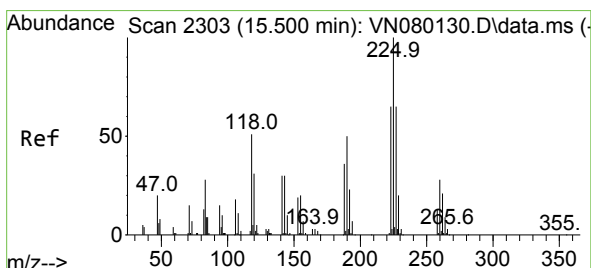
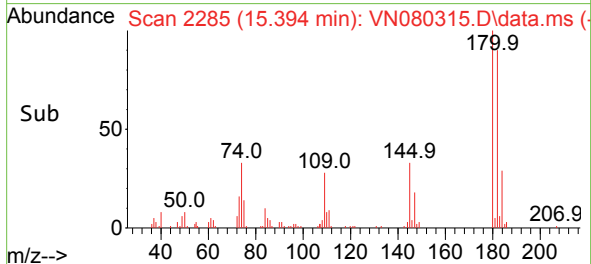
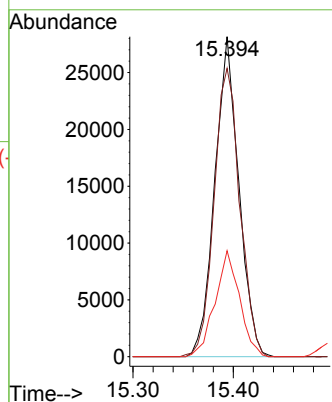
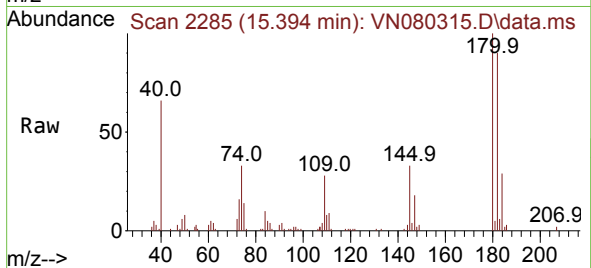
Tgt Ion:180 Resp: 46895

Ion Ratio Lower Upper

180 100

182 96.5 46.1 138.2

145 33.8 16.6 49.8



#94

Hexachlorobutadiene

Concen: 18.392 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

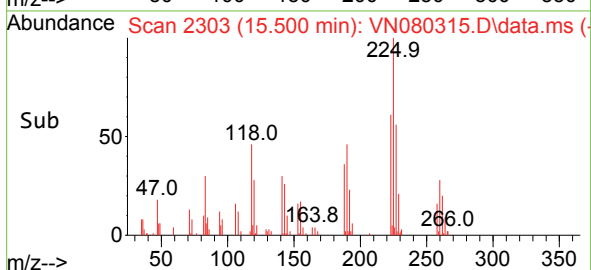
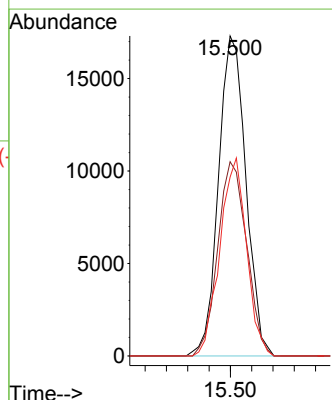
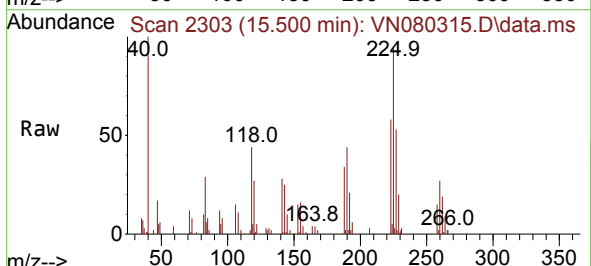
Tgt Ion:225 Resp: 30902

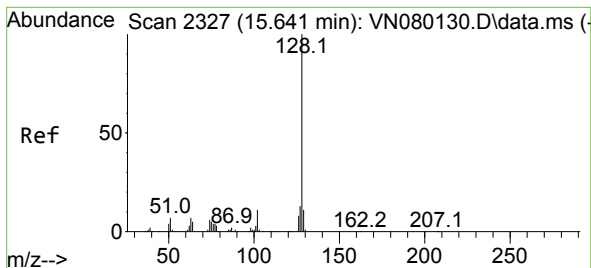
Ion Ratio Lower Upper

225 100

223 64.1 31.3 93.8

227 60.2 31.9 95.9





#95

Naphthalene

Concen: 13.534 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Instrument :

MSVOA\_N

ClientSampleId :

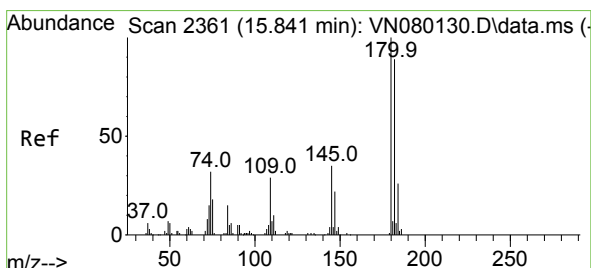
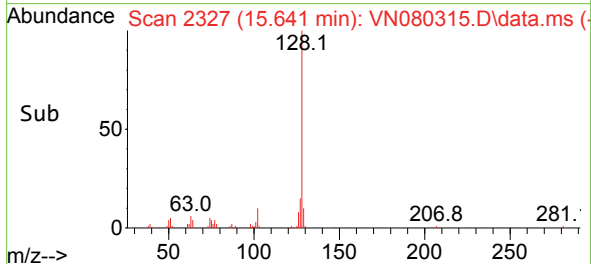
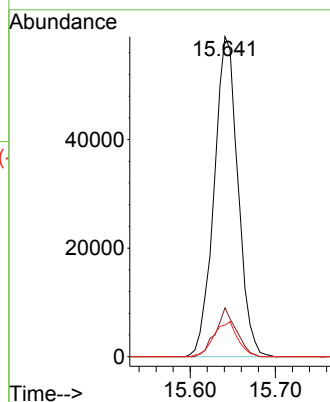
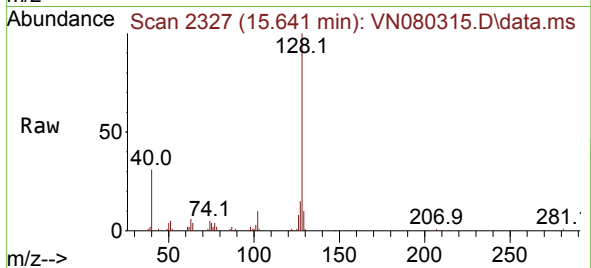
Tgt Ion:128 Resp: 114582

Ion Ratio Lower Upper

128 100

127 13.4 10.0 15.0

129 11.0 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 15.439 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN080315.D

Acq: 01 Dec 2023 11:14

Tgt Ion:180 Resp: 42251

Ion Ratio Lower Upper

180 100

182 96.7 46.2 138.6

145 36.6 17.5 52.6

