

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN013124\  
 Data File : VN080831.D  
 Acq On : 31 Jan 2024 11:14  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jan 31 23:12:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 29 12:54:23 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 120908   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 256689   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 218374   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 85418    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 99548    | 47.592   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.180% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 71725    | 45.672   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 91.340% |
| 50) Toluene-d8              | 10.571 | 98    | 275632   | 44.843   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 89.680% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 95529    | 44.600   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 89.200% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 77740   | 43.288  | ug/l   | 92  |
| 3) Chloromethane             | 2.359 | 50  | 124599  | 46.156  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.512 | 62  | 94484   | 46.038  | ug/l   | 96  |
| 5) Bromomethane              | 2.954 | 94  | 38461   | 46.853  | ug/l   | 97  |
| 6) Chloroethane              | 3.118 | 64  | 54708   | 49.999  | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 3.495 | 101 | 120950  | 45.536  | ug/l # | 79  |
| 8) Diethyl Ether             | 3.953 | 74  | 62324   | 50.864  | ug/l   | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 68972   | 44.530  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.589 | 142 | 59303   | 45.356  | ug/l   | 94  |
| 11) Tert butyl alcohol       | 5.512 | 59  | 77722   | 227.946 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 4.342 | 96  | 73787   | 43.477  | ug/l   | 88  |
| 13) Acrolein                 | 4.177 | 56  | 108643  | 252.672 | ug/l   | 95  |
| 14) Allyl chloride           | 5.018 | 41  | 156573  | 46.675  | ug/l   | 98  |
| 15) Acrylonitrile            | 5.712 | 53  | 257571  | 251.177 | ug/l   | 99  |
| 16) Acetone                  | 4.418 | 43  | 180962  | 238.549 | ug/l   | 97  |
| 17) Carbon Disulfide         | 4.712 | 76  | 227313  | 43.023  | ug/l   | 100 |
| 18) Methyl Acetate           | 5.024 | 43  | 136746  | 51.723  | ug/l   | 97  |
| 19) Methyl tert-butyl Ether  | 5.800 | 73  | 298210  | 49.868  | ug/l   | 100 |
| 20) Methylene Chloride       | 5.277 | 84  | 95283   | 47.849  | ug/l   | 94  |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 85230   | 46.225  | ug/l   | 93  |
| 22) Diisopropyl ether        | 6.665 | 45  | 371870  | 50.242  | ug/l   | 97  |
| 23) Vinyl Acetate            | 6.600 | 43  | 1440980 | 269.067 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.565 | 63  | 183862  | 48.981  | ug/l   | 98  |
| 25) 2-Butanone               | 7.483 | 43  | 346028  | 240.149 | ug/l   | 95  |
| 26) 2,2-Dichloropropane      | 7.489 | 77  | 142271  | 46.893  | ug/l   | 96  |
| 27) cis-1,2-Dichloroethene   | 7.483 | 96  | 100025  | 46.864  | ug/l   | 96  |
| 28) Bromochloromethane       | 7.818 | 49  | 101664  | 51.155  | ug/l # | 98  |
| 29) Tetrahydrofuran          | 7.836 | 42  | 239065  | 245.198 | ug/l   | 99  |
| 30) Chloroform               | 7.971 | 83  | 170492  | 48.889  | ug/l   | 97  |
| 31) Cyclohexane              | 8.253 | 56  | 150488  | 41.957  | ug/l # | 91  |
| 32) 1,1,1-Trichloroethane    | 8.171 | 97  | 136655  | 48.323  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 128774  | 44.117  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.559 | 43  | 147685  | 49.149  | ug/l   | 95  |
| 38) Carbon Tetrachloride     | 8.359 | 117 | 103039  | 43.812  | ug/l   | 95  |
| 39) Methylcyclohexane        | 9.600 | 83  | 125546  | 43.273  | ug/l   | 93  |
| 40) Benzene                  | 8.606 | 78  | 397920  | 46.383  | ug/l   | 94  |

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 Acq On : 31 Jan 2024 11:14  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jan 31 23:12:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 29 12:54:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 79368    | 44.815  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 142943   | 51.144  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 263844   | 48.229  | ug/l   | 98       |
| 44) Trichloroethene           | 9.353  | 130  | 80040    | 42.358  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 109865   | 47.322  | ug/l   | 100      |
| 46) Dibromomethane            | 9.712  | 93   | 64779    | 47.068  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.888  | 83   | 137136   | 49.078  | ug/l # | 92       |
| 48) Methyl methacrylate       | 9.682  | 41   | 122236   | 46.089  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 29222    | 914.711 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 760064   | 248.530 | ug/l   | 98       |
| 52) Toluene                   | 10.629 | 92   | 227772   | 46.306  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 159761   | 49.080  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 170355   | 48.126  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 87605    | 46.342  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 156458   | 53.839  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 169896   | 47.755  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 424576   | 250.621 | ug/l   | 99       |
| 59) 2-Hexanone                | 11.200 | 43   | 559428   | 235.494 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.359 | 129  | 84891    | 48.279  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 84559    | 47.729  | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.106 | 164  | 65066    | 45.331  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.894 | 112  | 219602   | 46.077  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 73657    | 47.526  | ug/l   | 94       |
| 67) Ethyl Benzene             | 11.965 | 91   | 416022   | 46.965  | ug/l   | 96       |
| 68) m/p-Xylenes               | 12.071 | 106  | 304449   | 96.778  | ug/l   | 100      |
| 69) o-Xylene                  | 12.400 | 106  | 149310   | 47.766  | ug/l   | 99       |
| 70) Styrene                   | 12.412 | 104  | 254307   | 50.657  | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 51630    | 49.269  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.694 | 105  | 361730   | 46.244  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 235113   | 48.411  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 124755   | 45.340  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 170433   | 66.156  | ug/l   | 60       |
| 77) Bromobenzene              | 12.982 | 156  | 74965    | 44.833  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.041 | 91   | 446206   | 47.749  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 270021   | 45.462  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 295706   | 47.468  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 47683    | 47.682  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 269802   | 45.876  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 232203   | 46.676  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 299997   | 47.530  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 341648   | 46.582  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 264932   | 46.483  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 133576   | 44.662  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 136538   | 45.535  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 268877   | 48.207  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 46965    | 47.092  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 133016   | 48.592  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 23549    | 45.788  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 66392    | 47.122  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 26284    | 42.701  | ug/l   | 96       |
| 95) Naphthalene               | 15.647 | 128  | 246617   | 45.744  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 62412    | 45.067  | ug/l   | 99       |

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Acq On : 31 Jan 2024 11:14  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

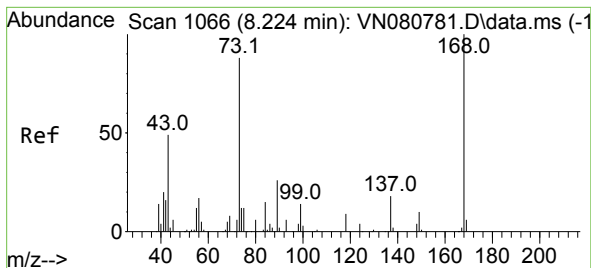
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012924W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 29 12:54:23 2024  
Response via : Initial Calibration

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

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

Quant Time: Jan 31 23:12:44 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012924W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 29 12:54:23 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

Instrument :

MSVOA\_N

ClientSampleId :

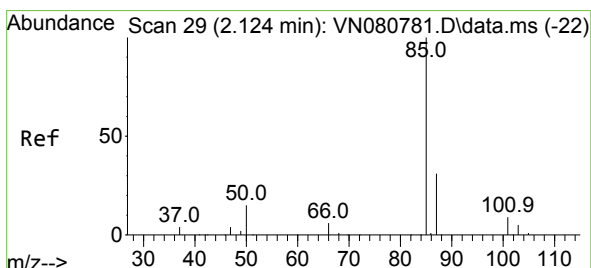
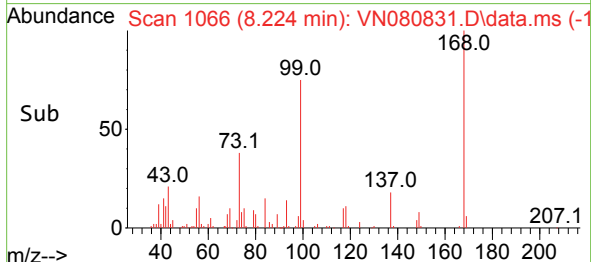
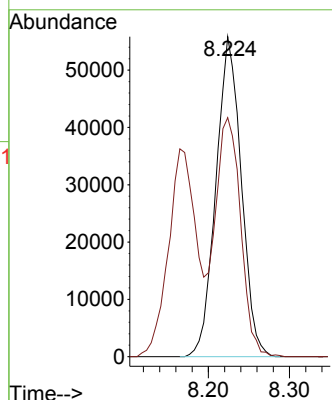
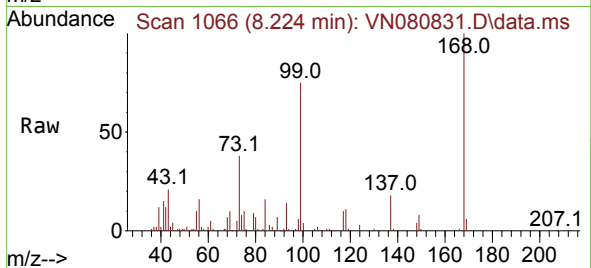
VSTDCCC050

Tgt Ion:168 Resp: 120908

Ion Ratio Lower Upper

168 100

99 74.4 59.9 89.9



#2

Dichlorodifluoromethane

Concen: 43.288 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.000 min

Lab File: VN080831.D

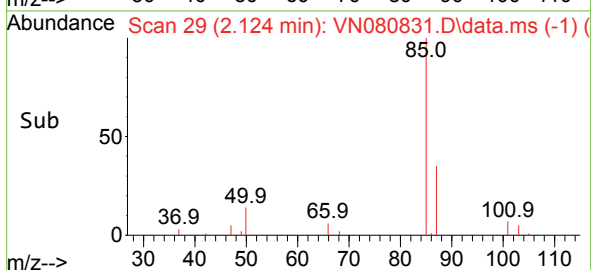
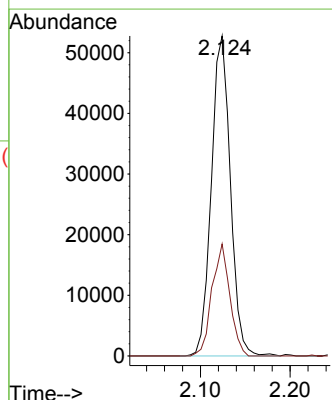
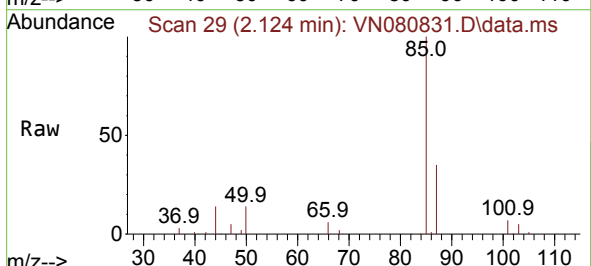
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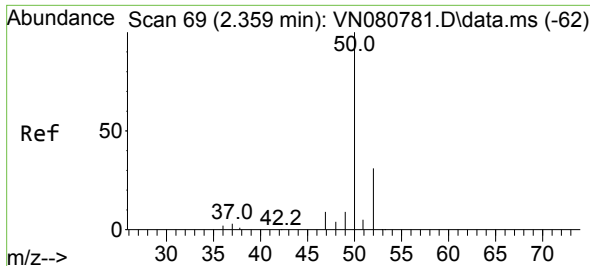
Tgt Ion: 85 Resp: 77740

Ion Ratio Lower Upper

85 100

87 35.0 15.3 45.9

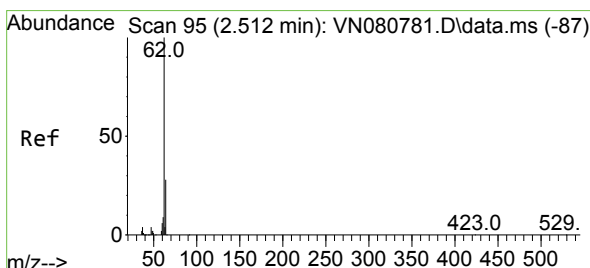
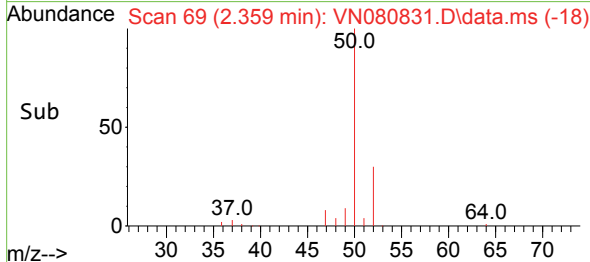
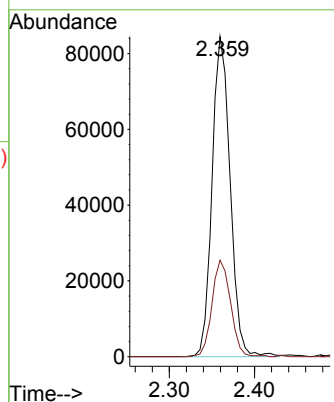
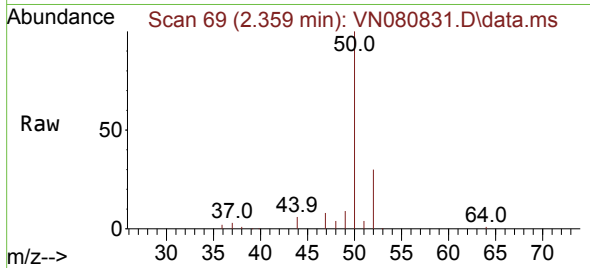




#3  
Chloromethane  
Concen: 46.156 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

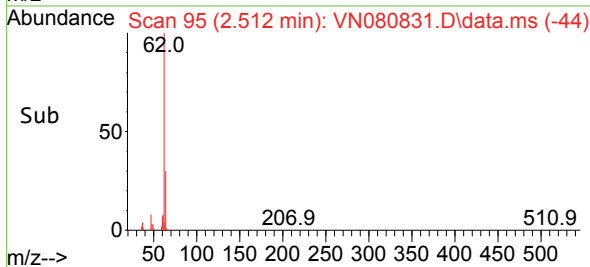
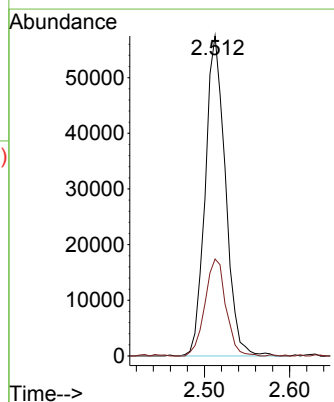
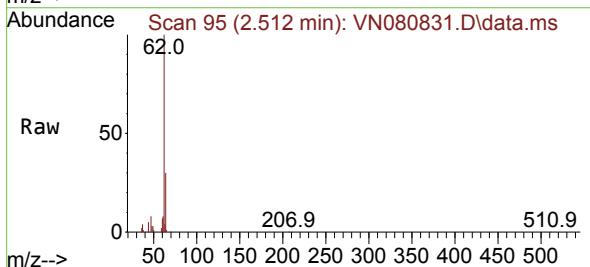
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

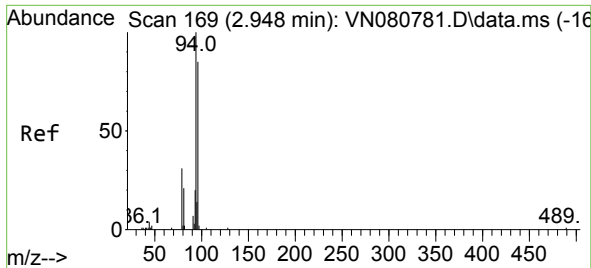
Tgt Ion: 50 Resp: 124599  
Ion Ratio Lower Upper  
50 100  
52 30.2 25.0 37.4



#4  
Vinyl Chloride  
Concen: 46.038 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 62 Resp: 94484  
Ion Ratio Lower Upper  
62 100  
64 30.3 22.7 34.1

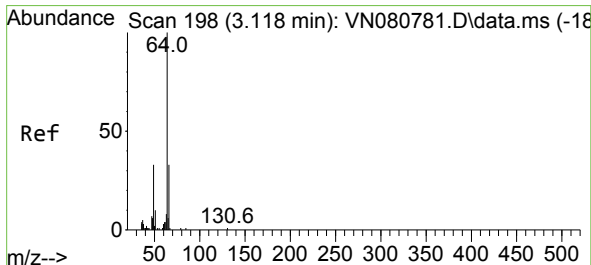
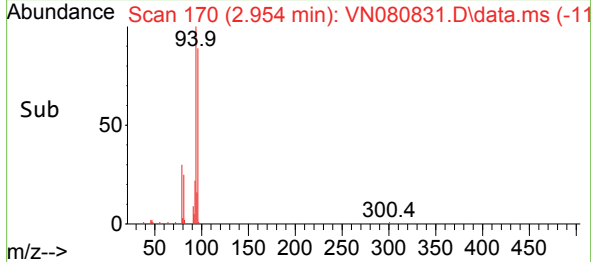
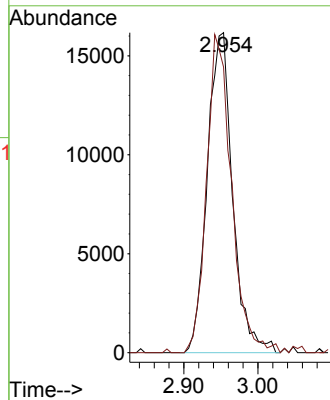
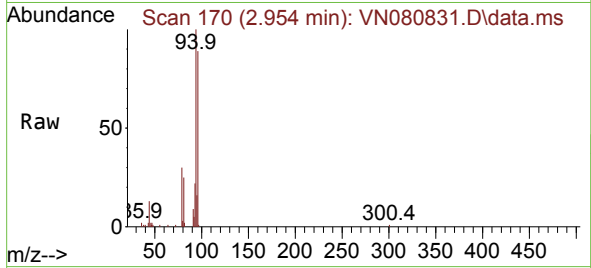




#5  
Bromomethane  
Concen: 46.853 ug/l  
RT: 2.954 min Scan# 170  
Delta R.T. 0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

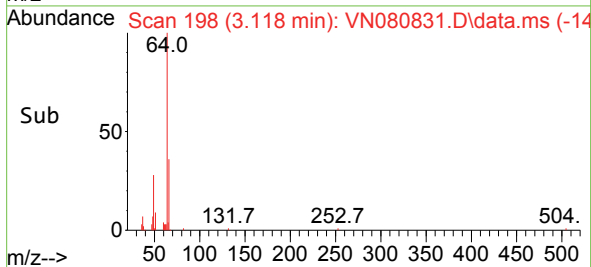
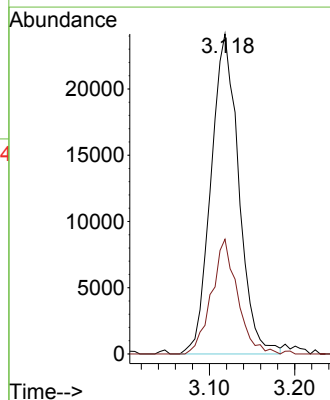
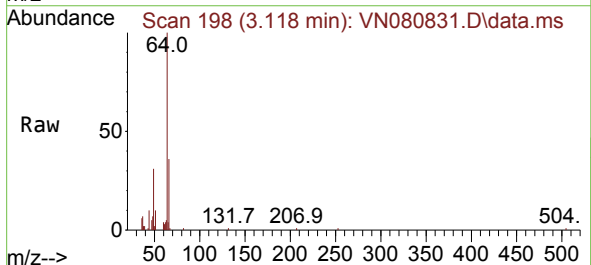
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

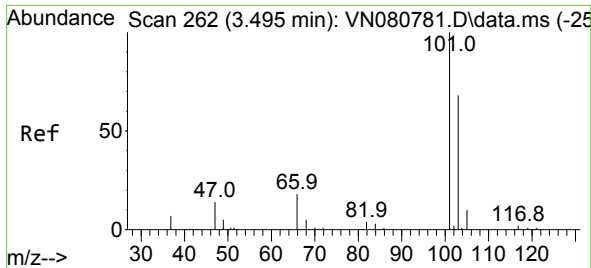
Tgt Ion: 94 Resp: 38461  
Ion Ratio Lower Upper  
94 100  
96 89.3 69.2 103.8



#6  
Chloroethane  
Concen: 49.999 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 64 Resp: 54708  
Ion Ratio Lower Upper  
64 100  
66 35.8 26.4 39.6

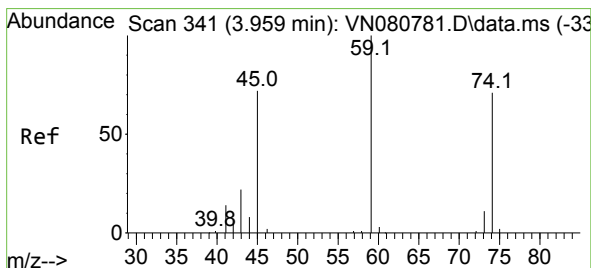
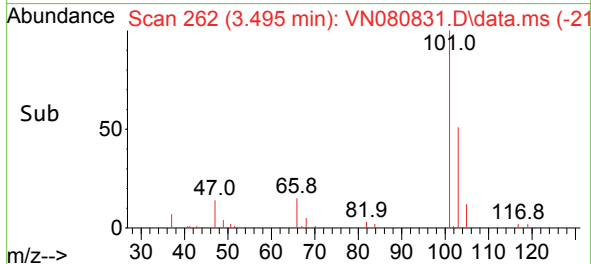
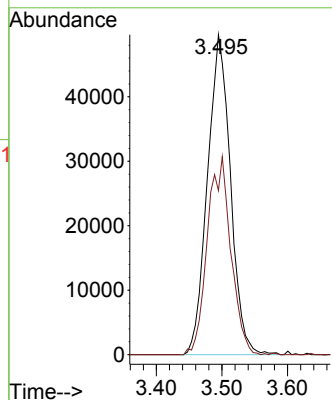
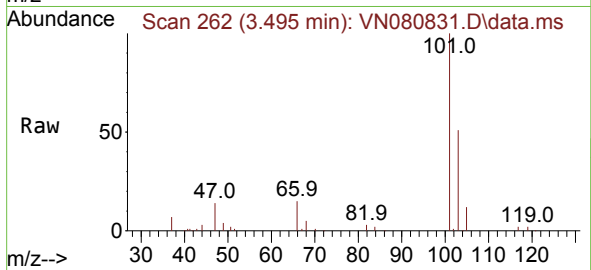




#7  
 Trichlorofluoromethane  
 Concen: 45.536 ug/l  
 RT: 3.495 min Scan# 210  
 Delta R.T. 0.000 min  
 Lab File: VN080831.D  
 Acq: 31 Jan 2024 11:14

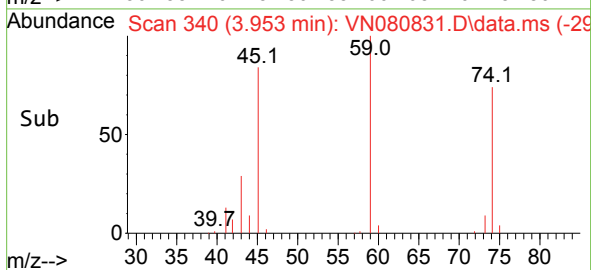
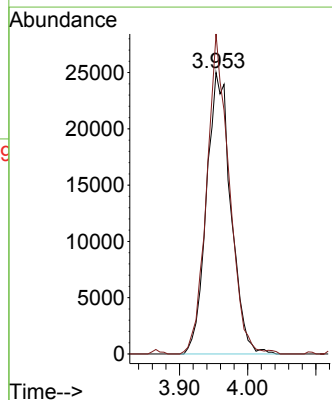
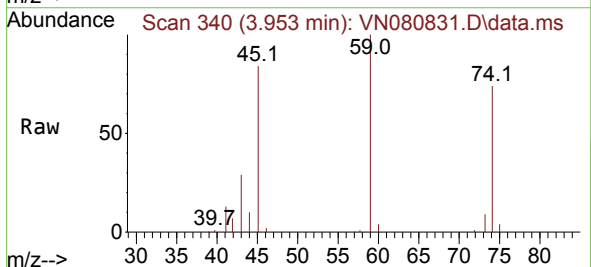
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion:101 Resp: 120950  
 Ion Ratio Lower Upper  
 101 100  
 103 51.3 54.4 81.6#

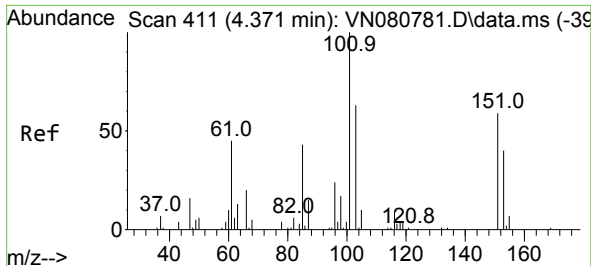


#8  
 Diethyl Ether  
 Concen: 50.864 ug/l  
 RT: 3.953 min Scan# 340  
 Delta R.T. -0.006 min  
 Lab File: VN080831.D  
 Acq: 31 Jan 2024 11:14

Tgt Ion: 74 Resp: 62324  
 Ion Ratio Lower Upper  
 74 100  
 45 105.3 53.3 159.9



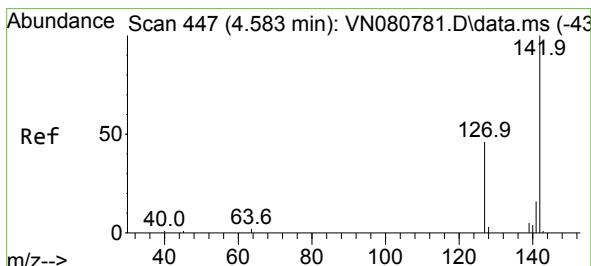
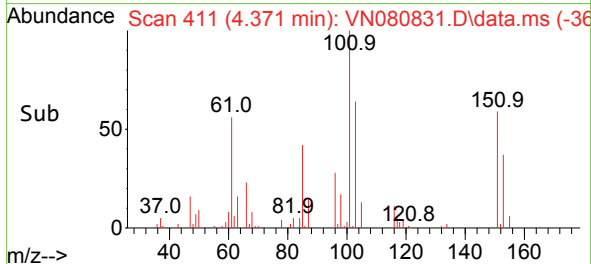
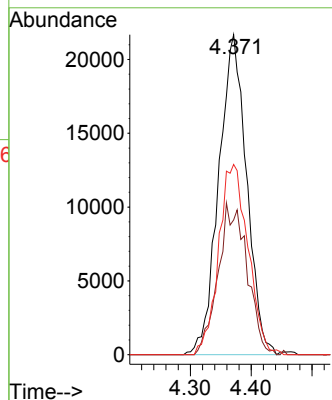
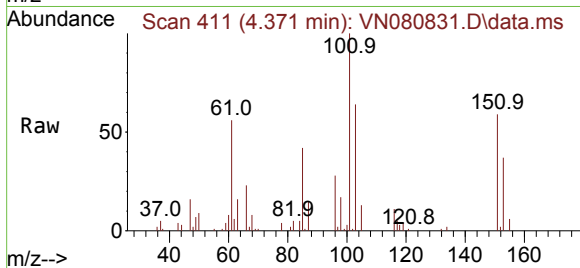




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 44.530 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

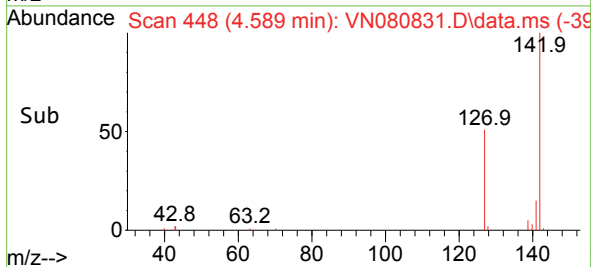
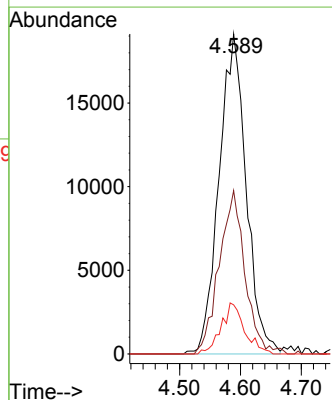
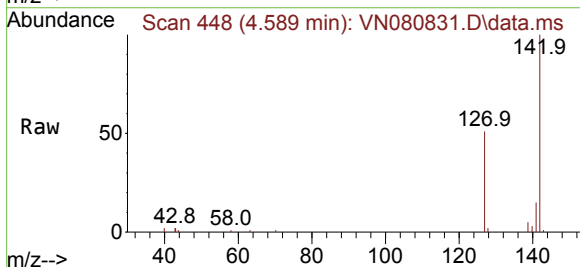
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050

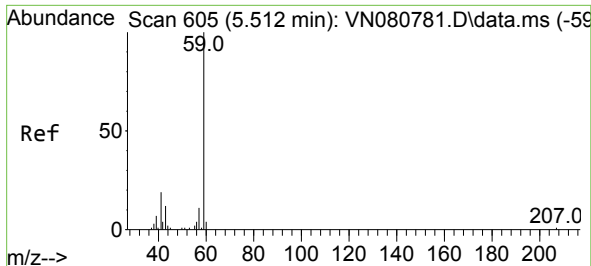
Tgt Ion:101 Resp: 68972  
Ion Ratio Lower Upper  
101 100  
85 49.1 38.1 57.1  
151 62.7 49.1 73.7



#10  
Methyl Iodide  
Concen: 45.356 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion:142 Resp: 59303  
Ion Ratio Lower Upper  
142 100  
127 51.1 37.0 55.4  
141 15.3 12.5 18.7

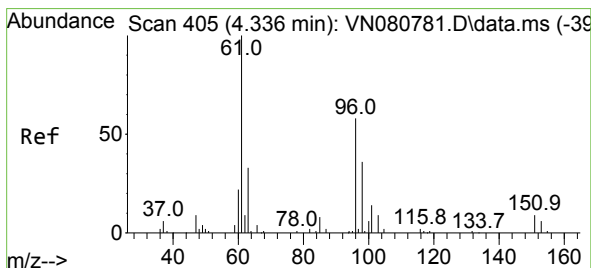
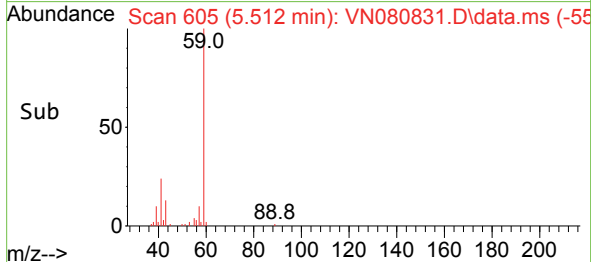
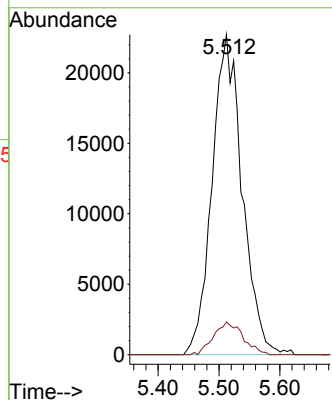
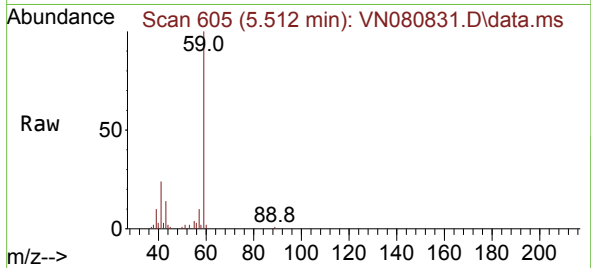




#11  
Tert butyl alcohol  
Concen: 227.946 ug/l  
RT: 5.512 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

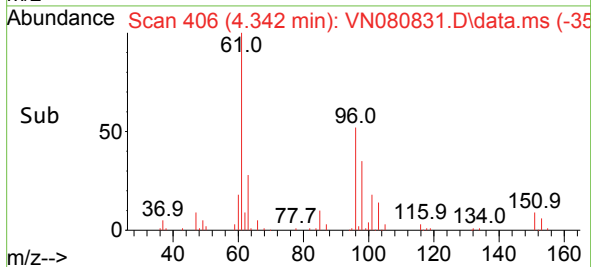
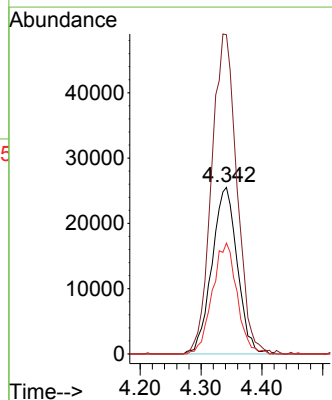
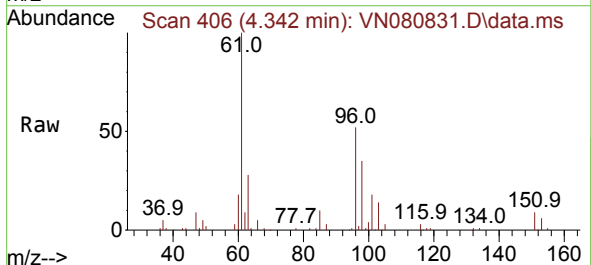
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

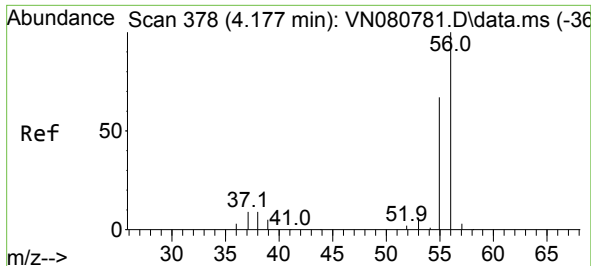
Tgt Ion: 59 Resp: 77722  
Ion Ratio Lower Upper  
59 100  
57 10.0 8.6 12.8



#12  
1,1-Dichloroethene  
Concen: 43.477 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 96 Resp: 73787  
Ion Ratio Lower Upper  
96 100  
61 191.6 138.2 207.4  
98 66.6 49.2 73.8

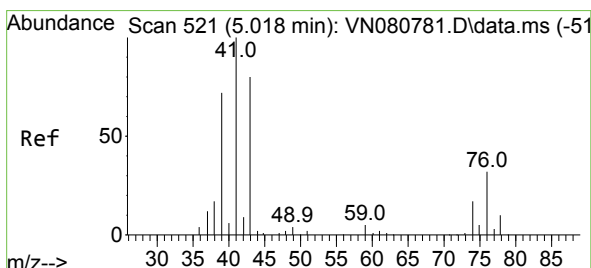
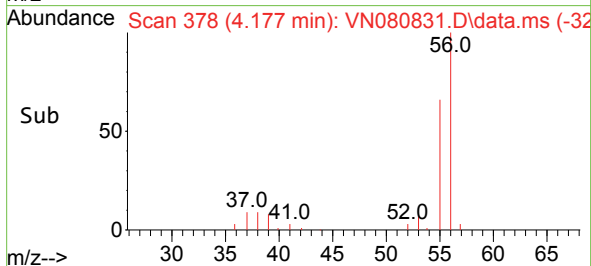
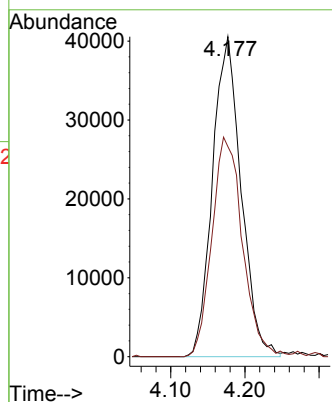
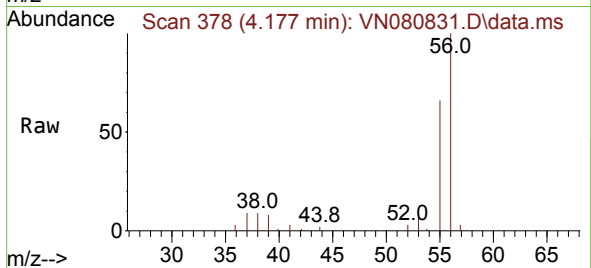




#13  
Acrolein  
Concen: 252.672 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

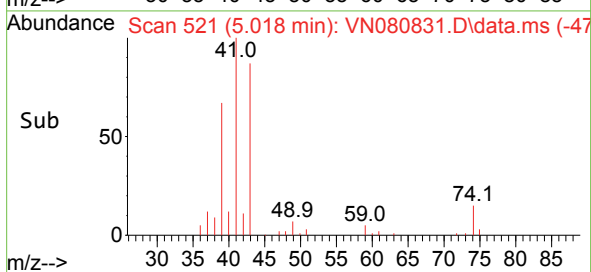
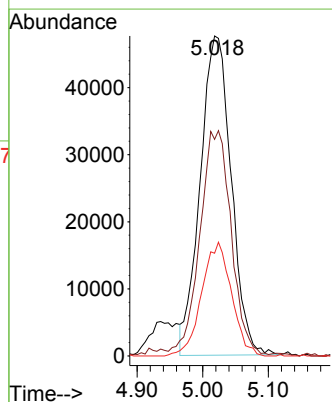
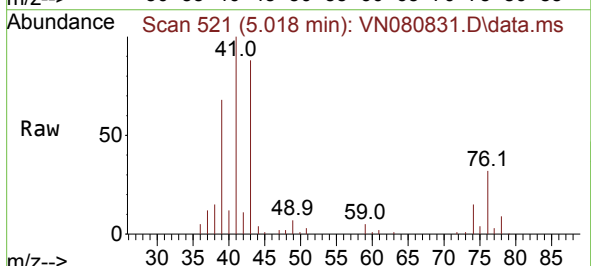
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

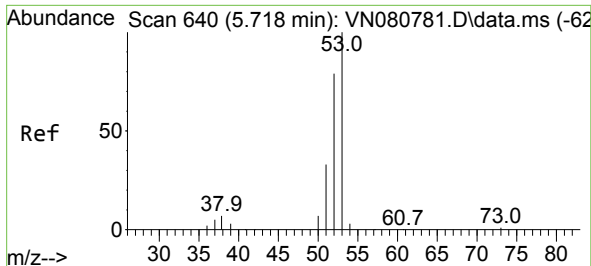
Tgt Ion: 56 Resp: 108643  
Ion Ratio Lower Upper  
56 100  
55 73.3 55.3 82.9



#14  
Allyl chloride  
Concen: 46.675 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 41 Resp: 156573  
Ion Ratio Lower Upper  
41 100  
39 70.7 57.7 86.5  
76 34.3 26.8 40.2

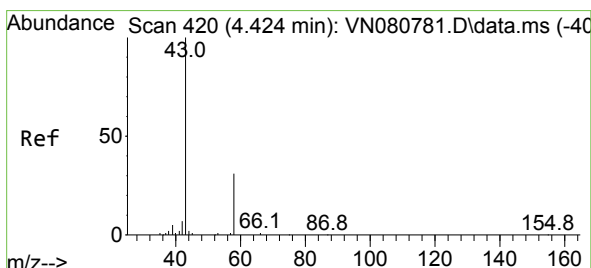
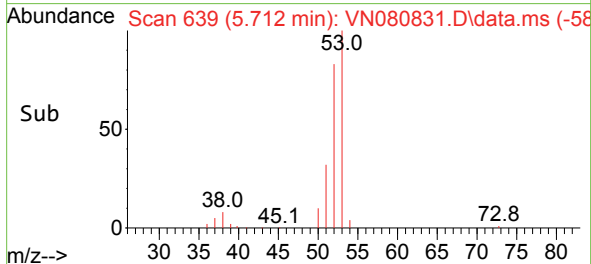
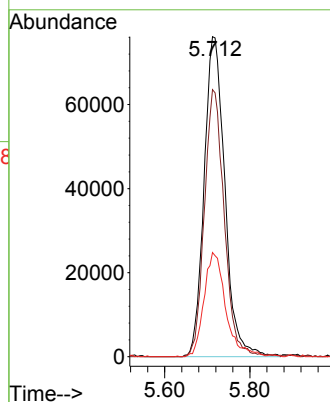
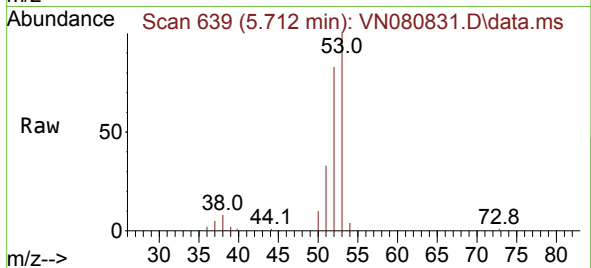




#15  
Acrylonitrile  
Concen: 251.177 ug/l  
RT: 5.712 min Scan# 611  
Delta R.T. -0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

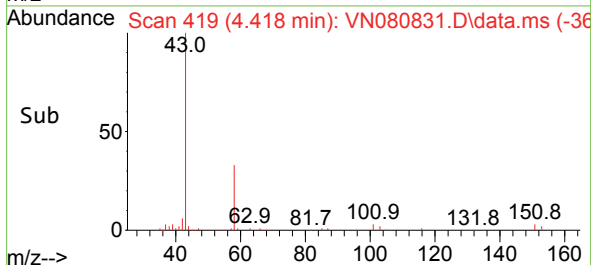
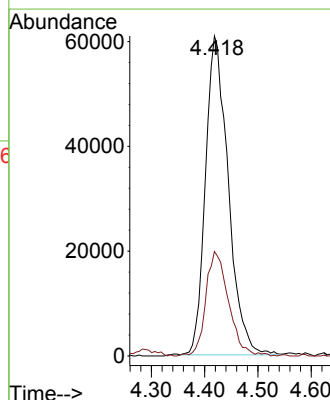
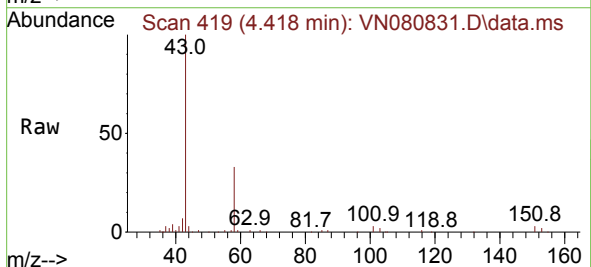
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

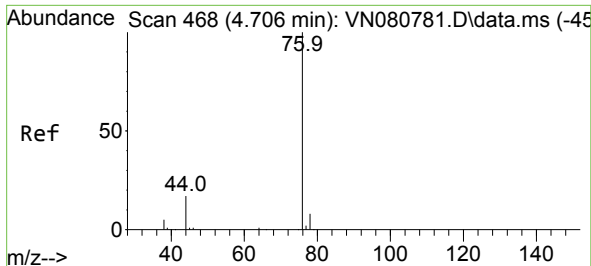
Tgt Ion: 53 Resp: 257571  
Ion Ratio Lower Upper  
53 100  
52 80.0 64.8 97.2  
51 34.1 26.9 40.3



#16  
Acetone  
Concen: 238.549 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. -0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 43 Resp: 180962  
Ion Ratio Lower Upper  
43 100  
58 32.5 24.8 37.2

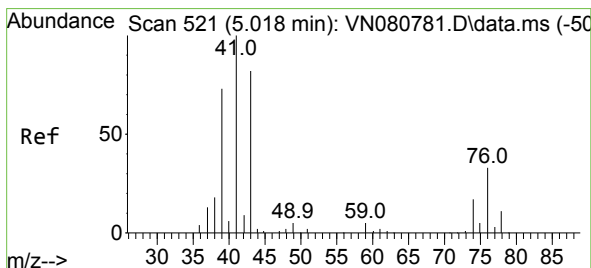
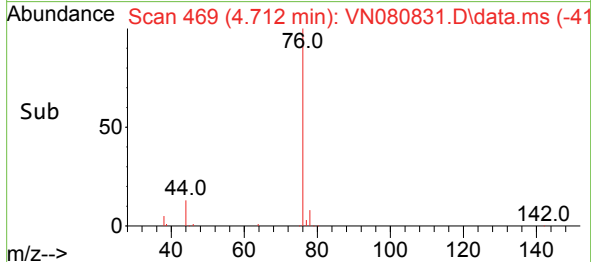
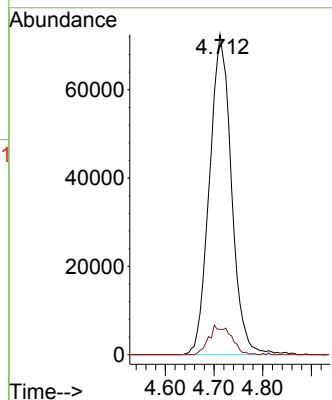
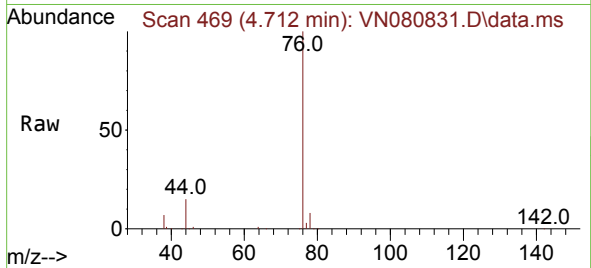




#17  
Carbon Disulfide  
Concen: 43.023 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

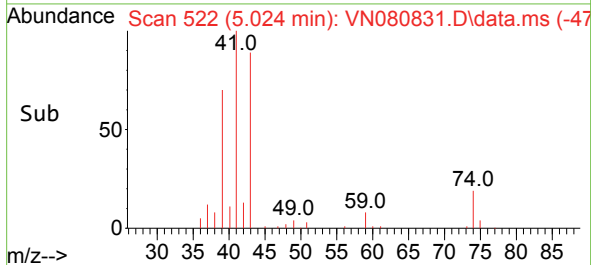
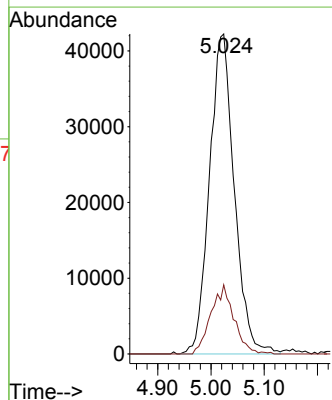
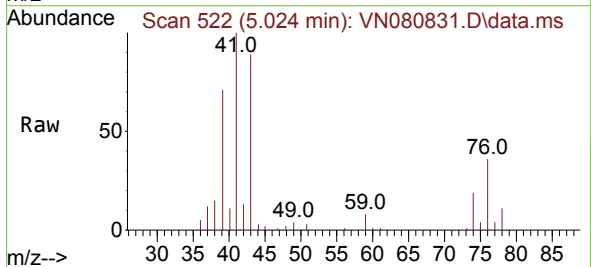
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

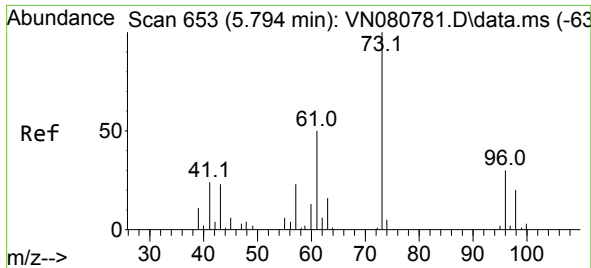
Tgt Ion: 76 Resp: 227313  
Ion Ratio Lower Upper  
76 100  
78 7.9 6.3 9.5



#18  
Methyl Acetate  
Concen: 51.723 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 43 Resp: 136746  
Ion Ratio Lower Upper  
43 100  
74 20.1 17.3 25.9

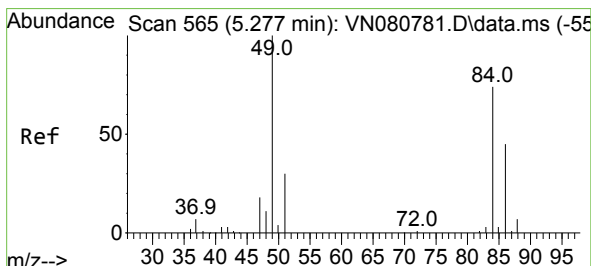
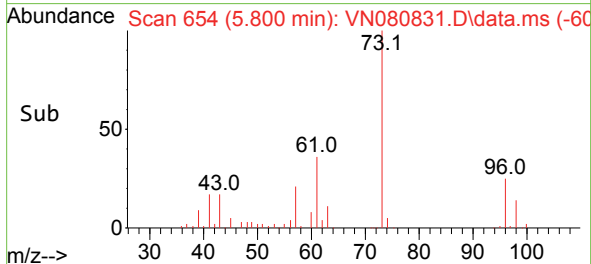
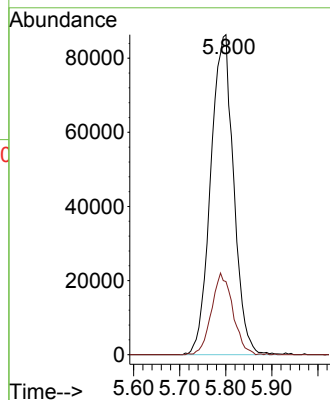
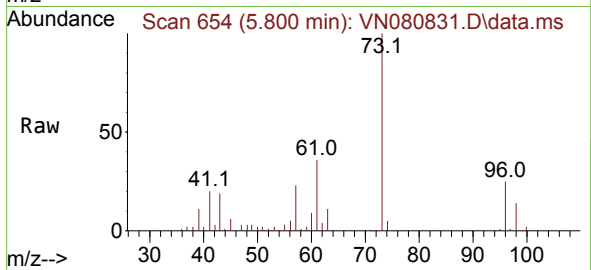




#19  
Methyl tert-butyl Ether  
Concen: 49.868 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

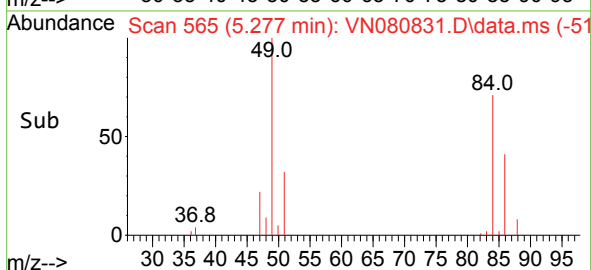
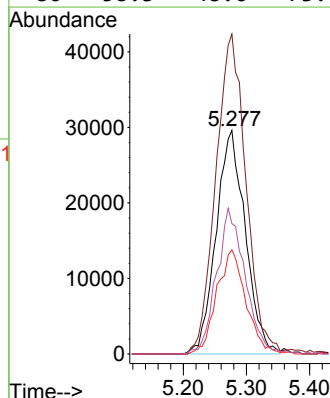
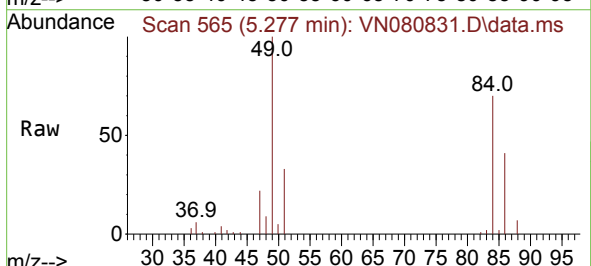
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

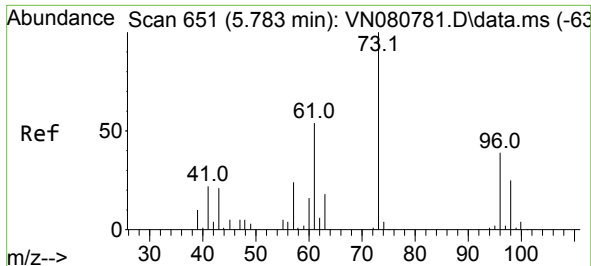
Tgt Ion: 73 Resp: 298210  
Ion Ratio Lower Upper  
73 100  
57 22.8 18.2 27.4



#20  
Methylene Chloride  
Concen: 47.849 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 84 Resp: 95283  
Ion Ratio Lower Upper  
84 100  
49 143.2 108.1 162.1  
51 46.6 32.9 49.3  
86 58.3 48.6 73.0

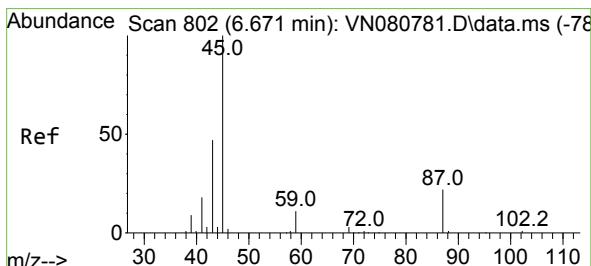
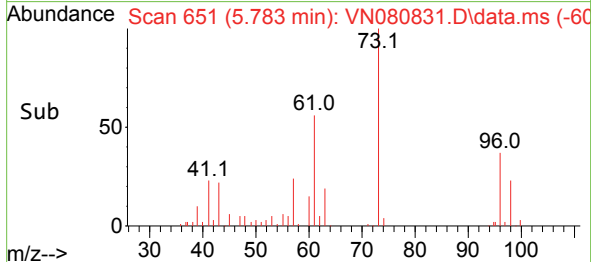
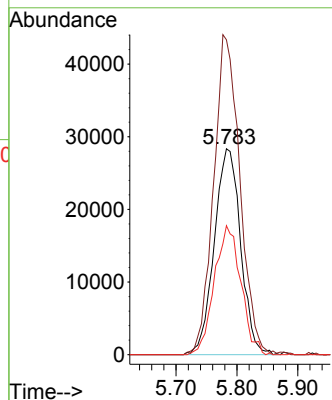
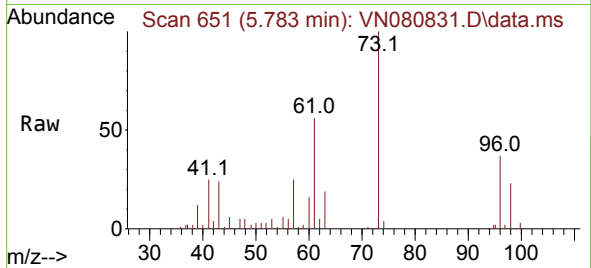




#21  
trans-1,2-Dichloroethene  
Concen: 46.225 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

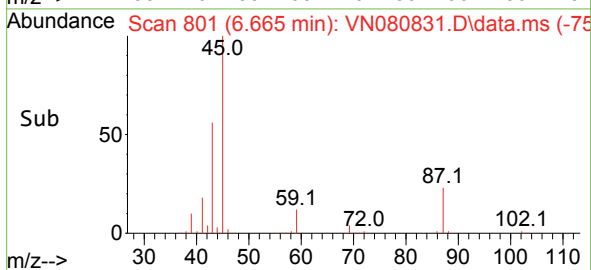
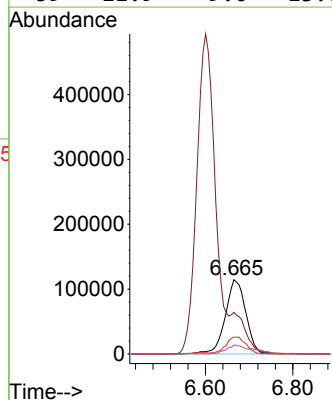
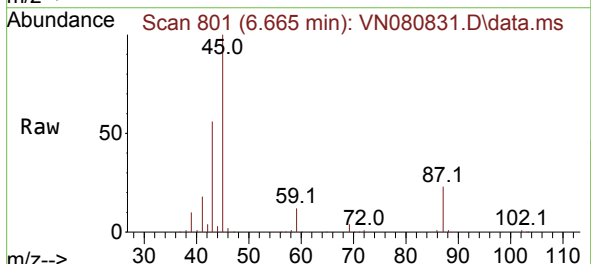
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050

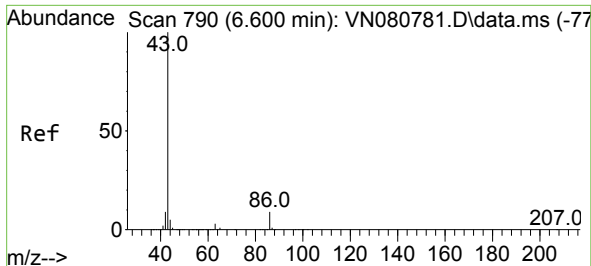
Tgt Ion: 96 Resp: 85230  
Ion Ratio Lower Upper  
96 100  
61 152.9 112.8 169.2  
98 62.6 51.0 76.4



#22  
Diisopropyl ether  
Concen: 50.242 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 45 Resp: 371870  
Ion Ratio Lower Upper  
45 100  
43 55.2 41.8 62.8  
87 22.7 18.1 27.1  
59 11.9 9.0 13.6

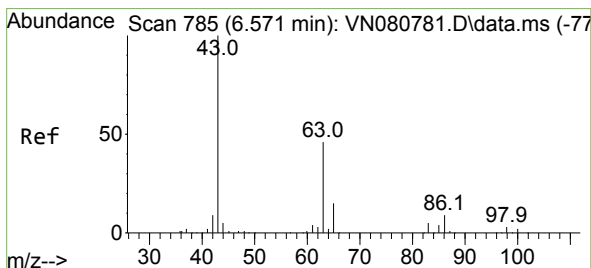
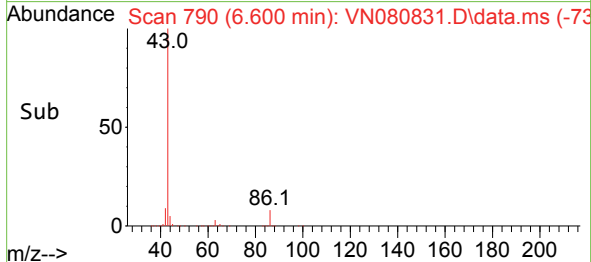
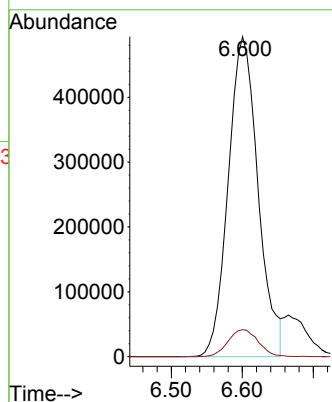
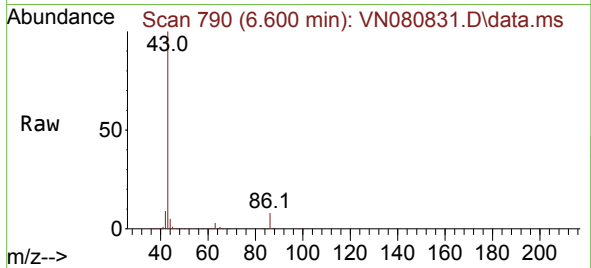




#23  
 Vinyl Acetate  
 Concen: 269.067 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.000 min  
 Lab File: VN080831.D  
 Acq: 31 Jan 2024 11:14

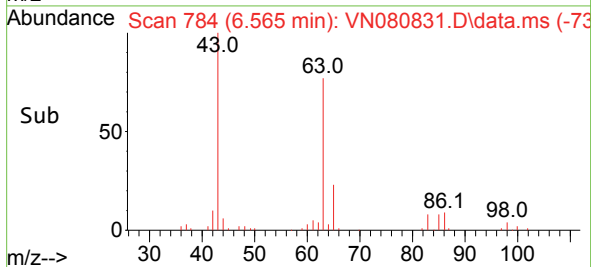
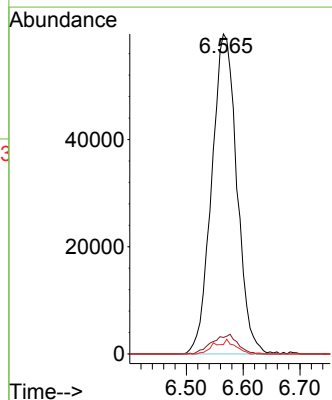
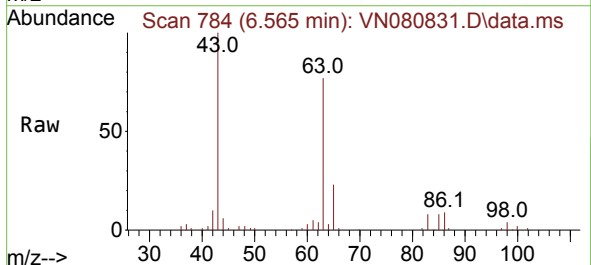
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 43 Resp: 1440980  
 Ion Ratio Lower Upper  
 43 100  
 86 8.5 7.1 10.7

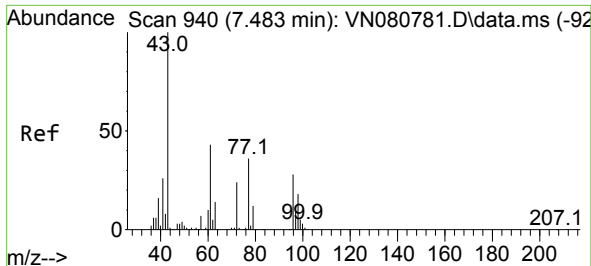


#24  
 1,1-Dichloroethane  
 Concen: 48.981 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. -0.006 min  
 Lab File: VN080831.D  
 Acq: 31 Jan 2024 11:14

Tgt Ion: 63 Resp: 183862  
 Ion Ratio Lower Upper  
 63 100  
 98 5.1 2.9 8.6  
 100 3.0 1.9 5.7



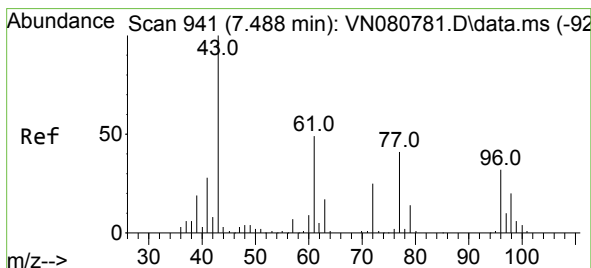
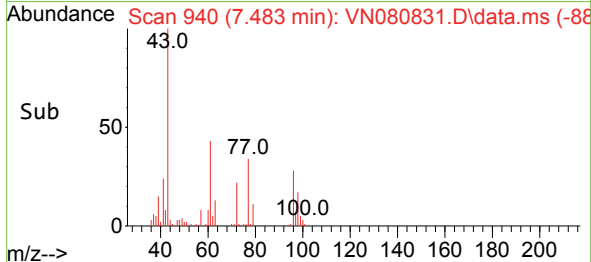
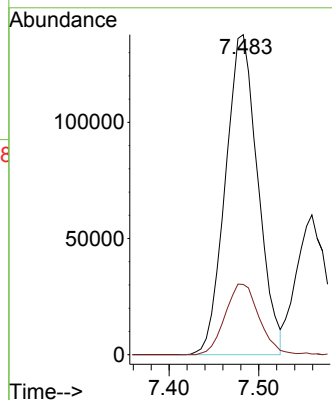
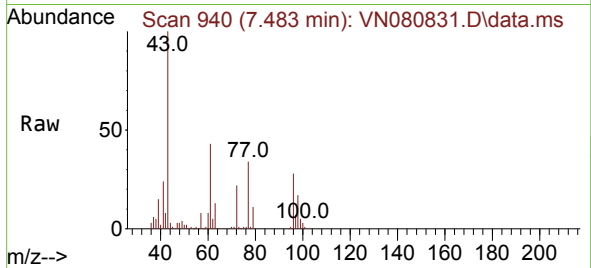




#25  
2-Butanone  
Concen: 240.149 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

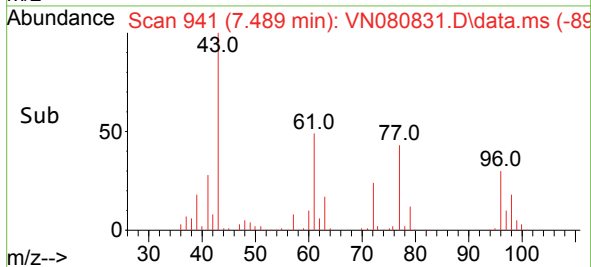
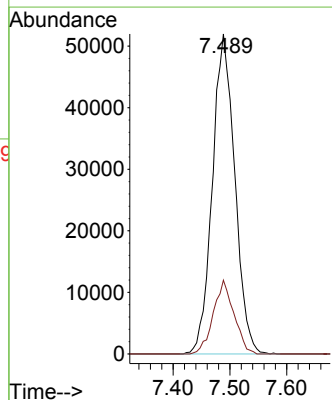
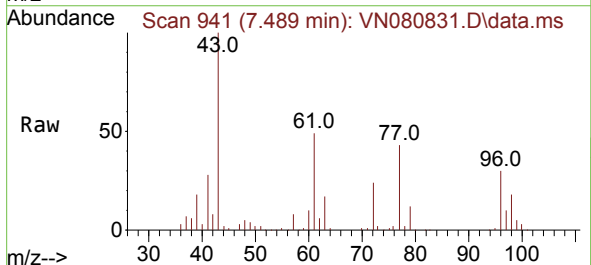
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

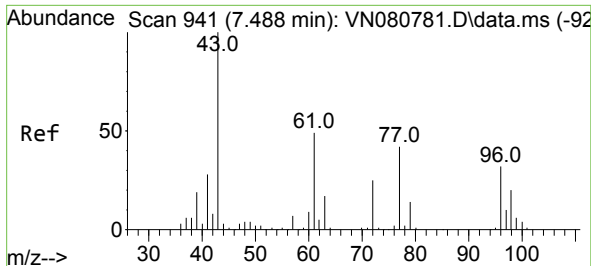
Tgt Ion: 43 Resp: 346028  
Ion Ratio Lower Upper  
43 100  
72 22.0 19.5 29.3



#26  
2,2-Dichloropropane  
Concen: 46.893 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 77 Resp: 142271  
Ion Ratio Lower Upper  
77 100  
97 21.3 11.5 34.5

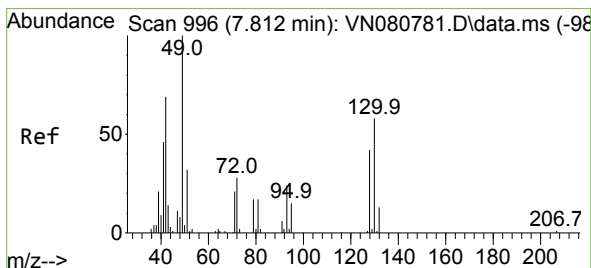
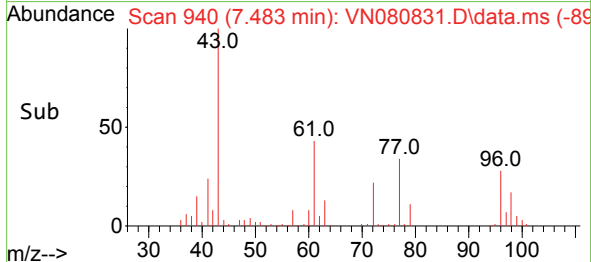
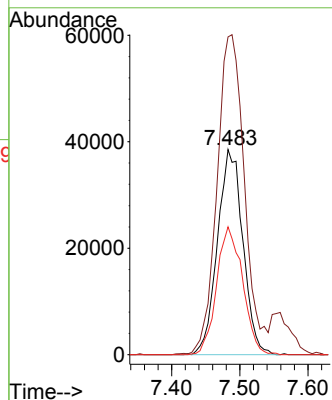
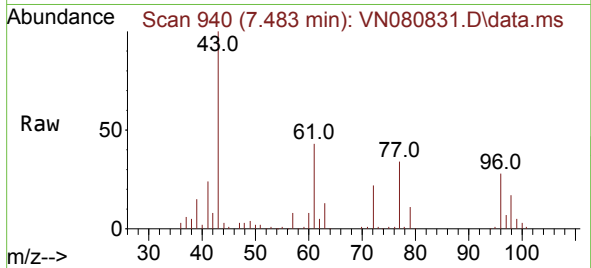




#27  
cis-1,2-Dichloroethene  
Concen: 46.864 ug/l  
RT: 7.483 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

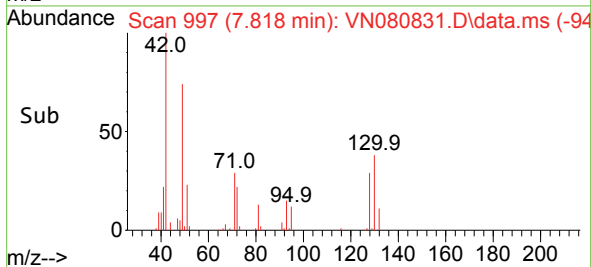
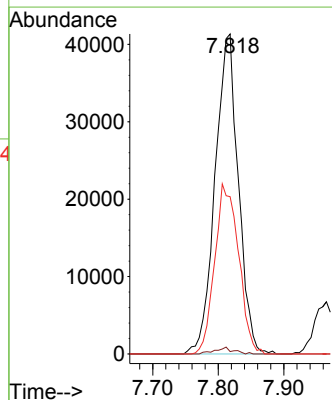
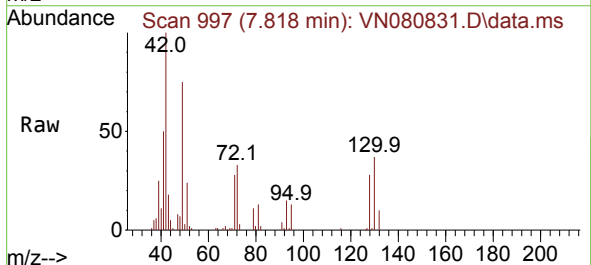
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

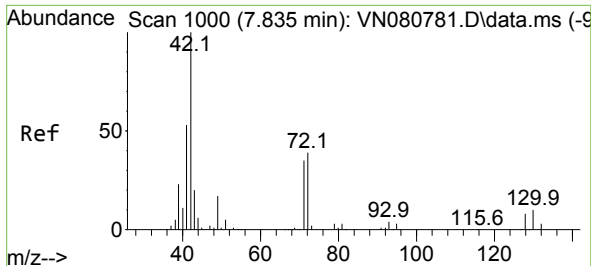
Tgt Ion: 96 Resp: 100025  
Ion Ratio Lower Upper  
96 100  
61 168.6 0.0 325.4  
98 63.6 0.0 130.4



#28  
Bromochloromethane  
Concen: 51.155 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. 0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 49 Resp: 101664  
Ion Ratio Lower Upper  
49 100  
129 1.7 0.0 1.6#  
130 54.5 42.3 63.5





#29

Tetrahydrofuran

Concen: 245.198 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

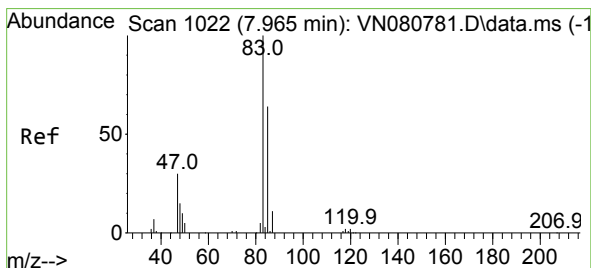
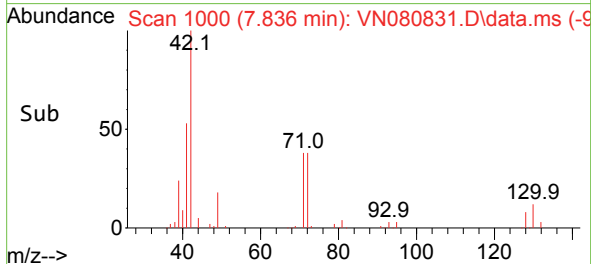
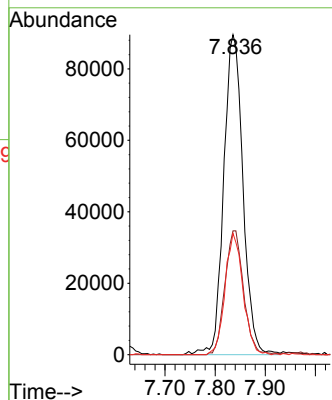
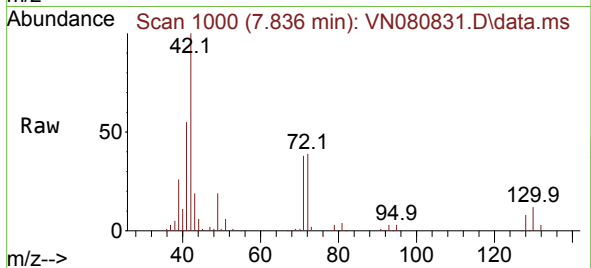
Tgt Ion: 42 Resp: 239065

Ion Ratio Lower Upper

42 100

72 37.4 31.1 46.7

71 35.3 28.3 42.5



#30

Chloroform

Concen: 48.889 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN080831.D

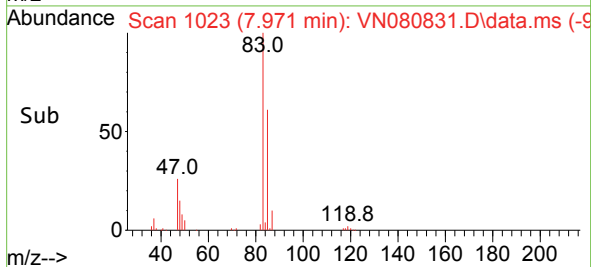
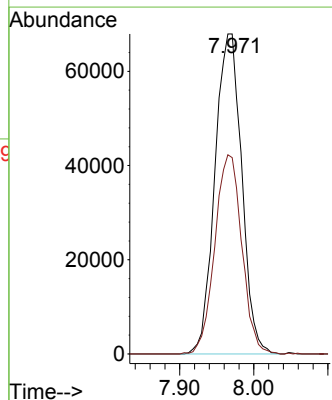
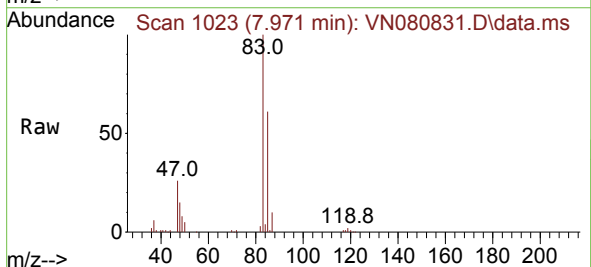
Acq: 31 Jan 2024 11:14

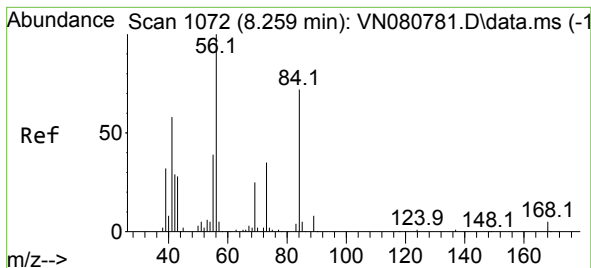
Tgt Ion: 83 Resp: 170492

Ion Ratio Lower Upper

83 100

85 61.3 51.0 76.6





#31

Cyclohexane

Concen: 41.957 ug/l

RT: 8.253 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

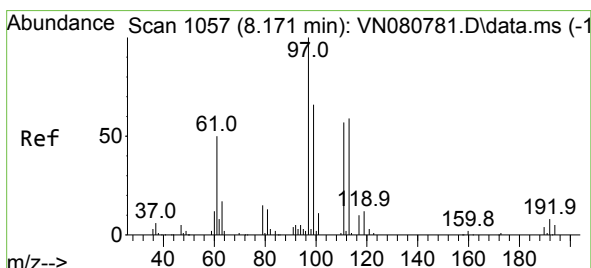
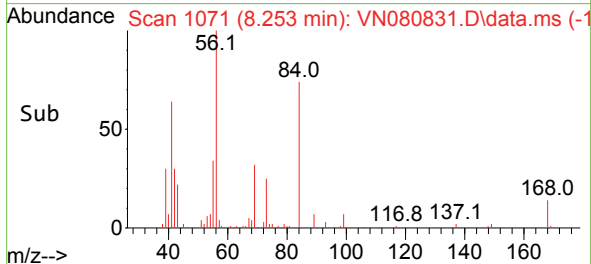
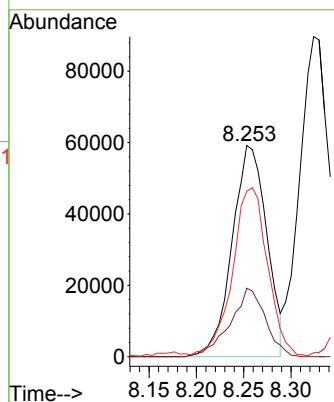
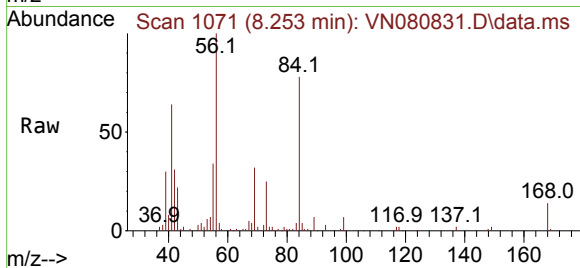
Tgt Ion: 56 Resp: 150488

Ion Ratio Lower Upper

56 100

69 32.1 20.1 30.1#

84 77.1 56.9 85.3



#32

1,1,1-Trichloroethane

Concen: 48.323 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

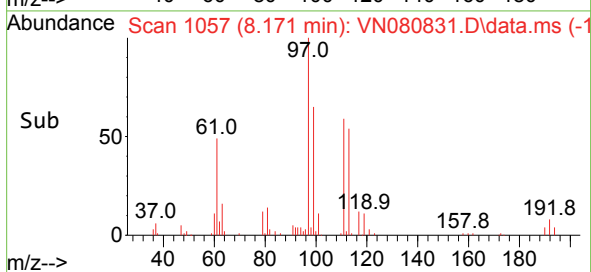
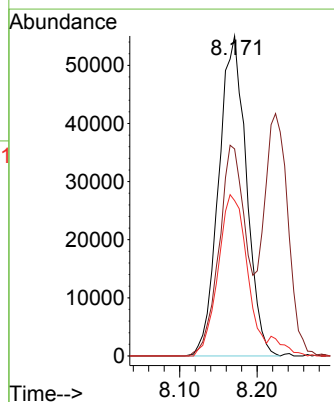
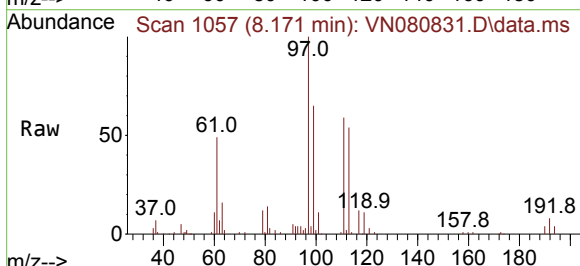
Tgt Ion: 97 Resp: 136655

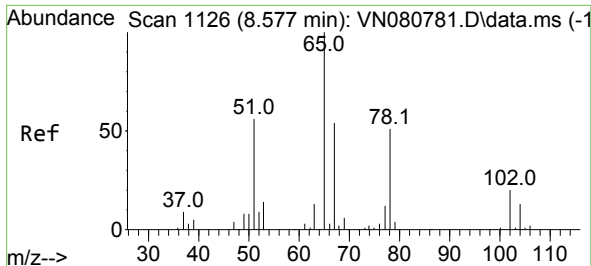
Ion Ratio Lower Upper

97 100

99 62.8 53.4 80.0

61 52.7 43.8 65.8

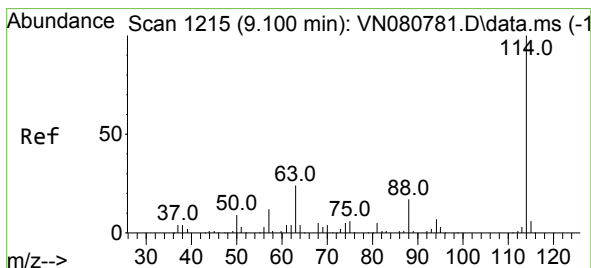
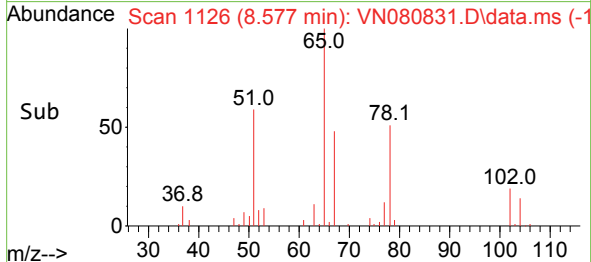
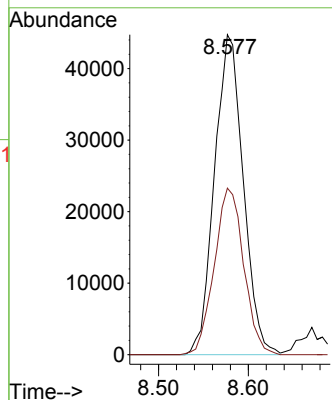
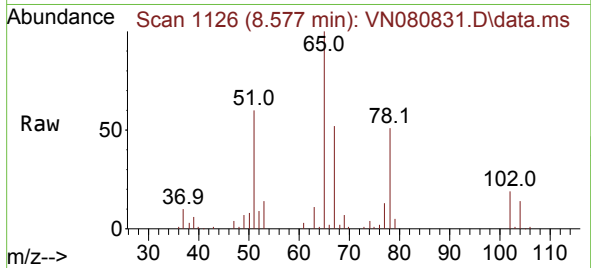




#33  
1,2-Dichloroethane-d4  
Concen: 47.592 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

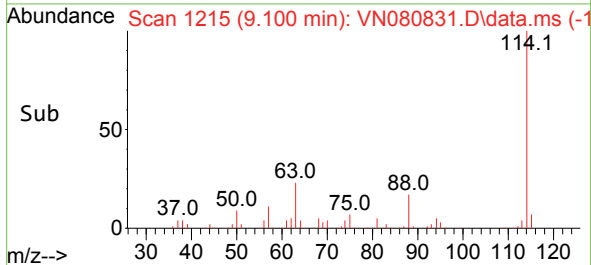
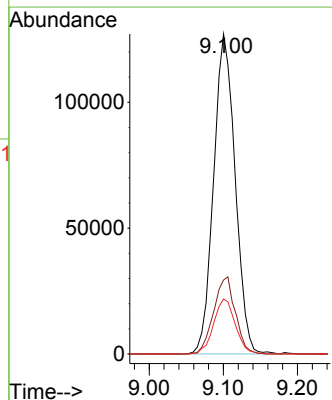
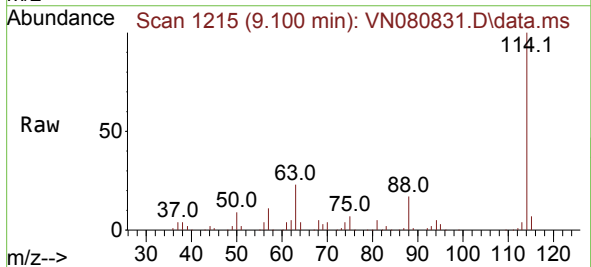
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

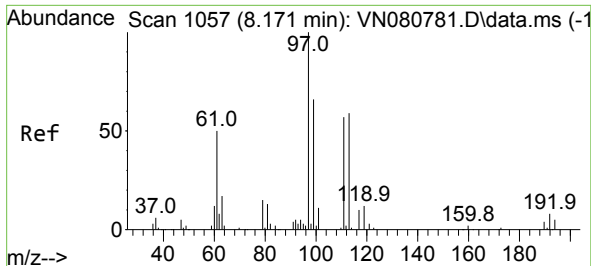
Tgt Ion: 65 Resp: 99548  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 102.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 114 Resp: 256689  
Ion Ratio Lower Upper  
114 100  
63 23.1 0.0 48.0  
88 17.2 0.0 34.8

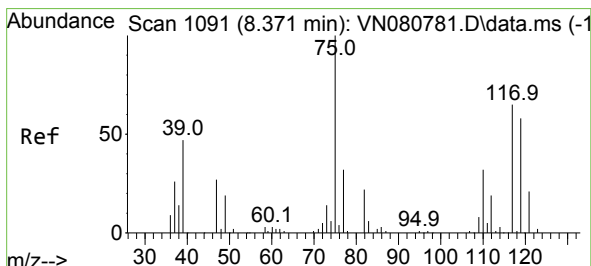
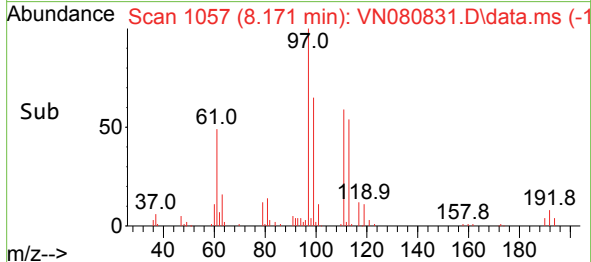
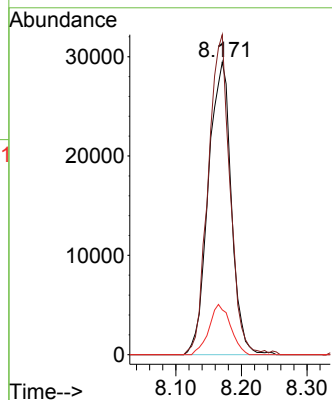
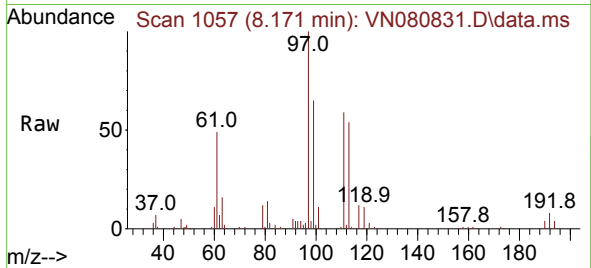




#35  
Dibromofluoromethane  
Concen: 45.672 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

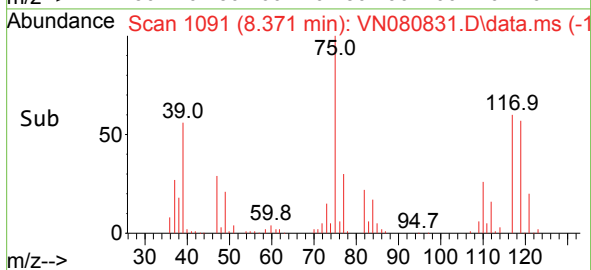
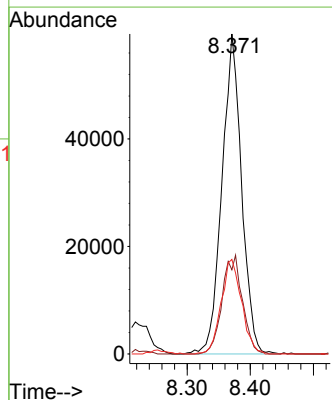
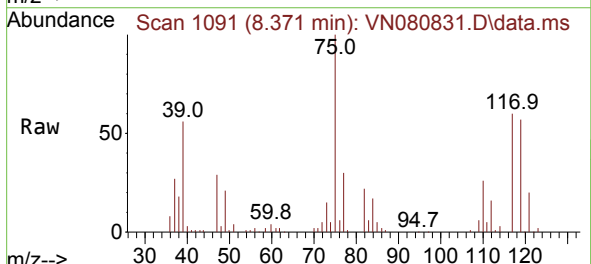
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

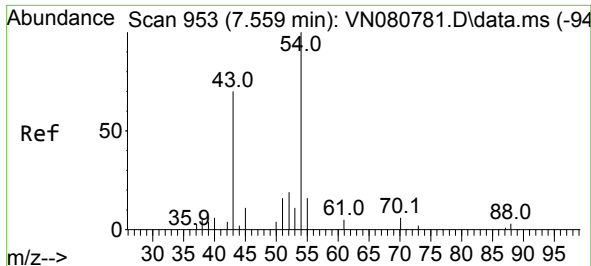
Tgt Ion:113 Resp: 71725  
Ion Ratio Lower Upper  
113 100  
111 104.2 82.2 123.4  
192 16.1 12.5 18.7



#36  
1,1-Dichloropropene  
Concen: 44.117 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 75 Resp: 128774  
Ion Ratio Lower Upper  
75 100  
110 31.8 16.0 48.0  
77 30.6 25.8 38.6





#37

Ethyl Acetate

Concen: 49.149 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

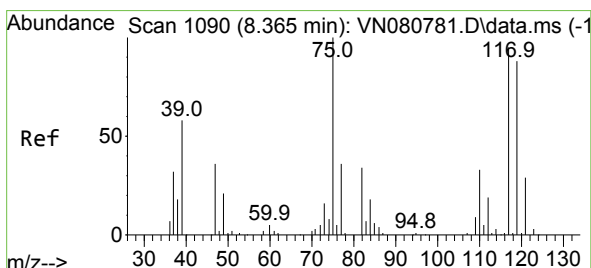
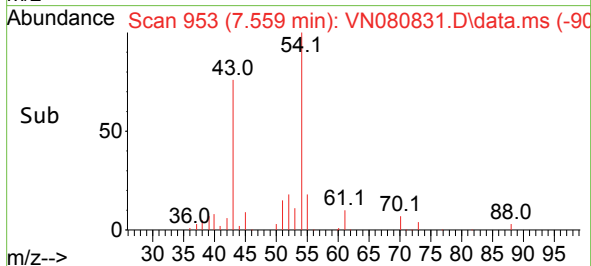
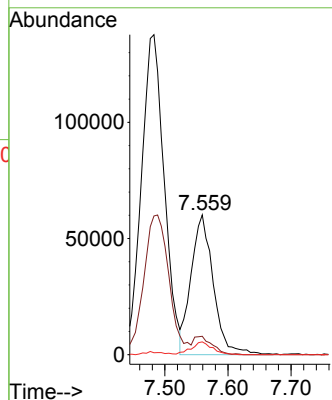
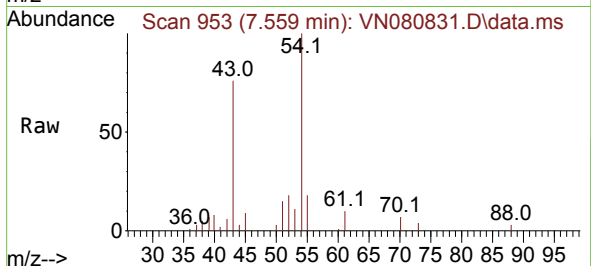
Tgt Ion: 43 Resp: 147685

Ion Ratio Lower Upper

43 100

61 10.8 10.6 15.8

70 8.6 8.0 12.0



#38

Carbon Tetrachloride

Concen: 43.812 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

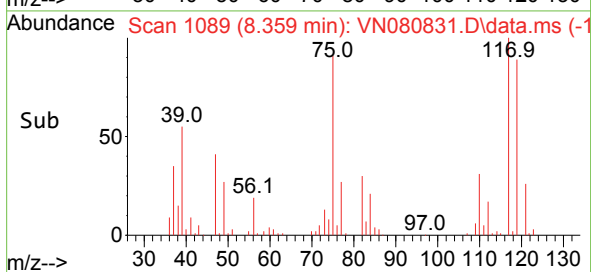
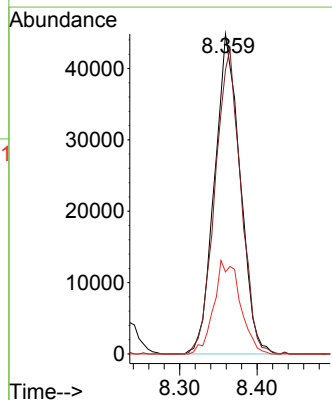
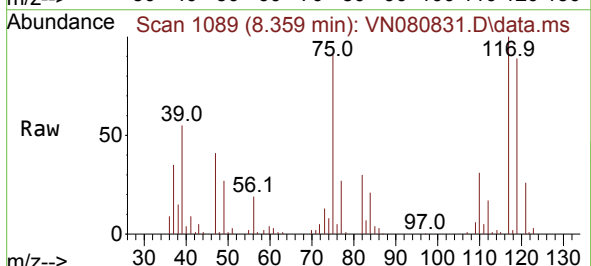
Tgt Ion: 117 Resp: 103039

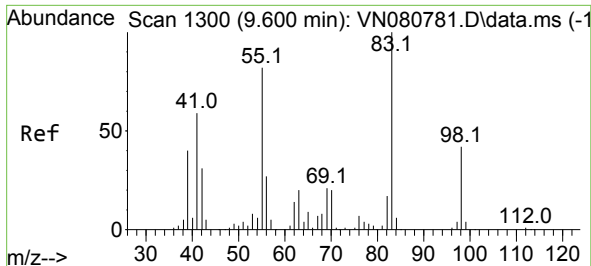
Ion Ratio Lower Upper

117 100

119 88.8 73.4 110.2

121 25.6 24.4 36.6





#39

Methylcyclohexane

Concen: 43.273 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.000 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

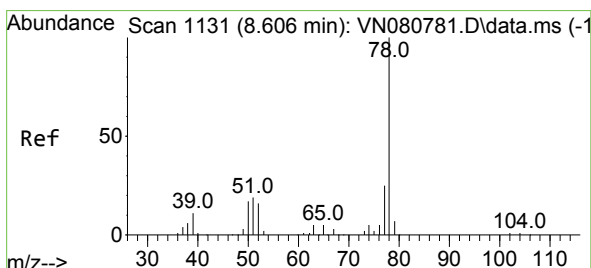
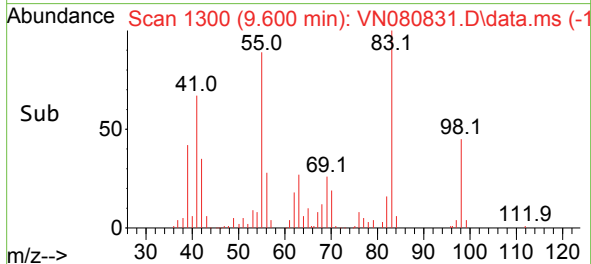
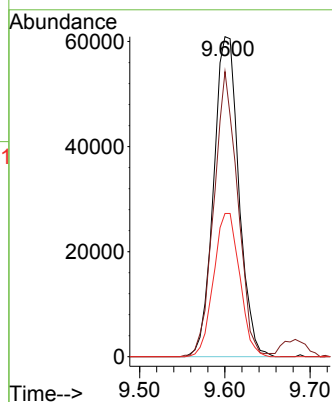
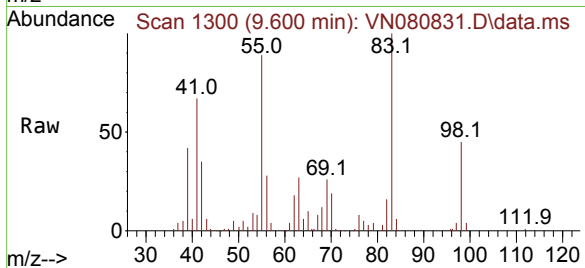
Tgt Ion: 83 Resp: 125546

Ion Ratio Lower Upper

83 100

55 89.1 65.7 98.5

98 44.7 33.8 50.6



#40

Benzene

Concen: 46.383 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN080831.D

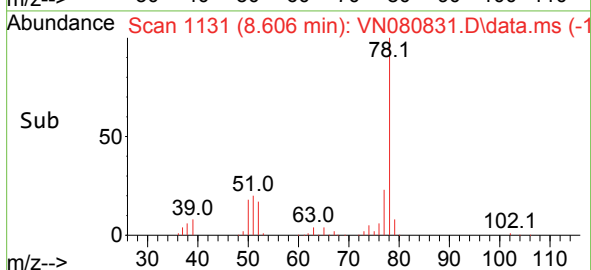
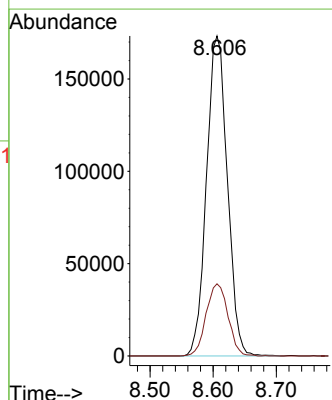
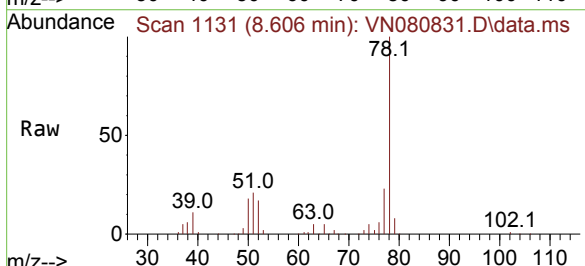
Acq: 31 Jan 2024 11:14

Tgt Ion: 78 Resp: 397920

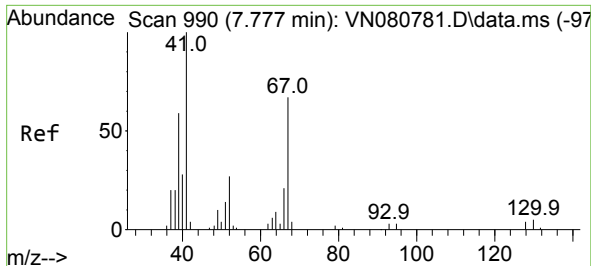
Ion Ratio Lower Upper

78 100

77 22.6 20.4 30.6



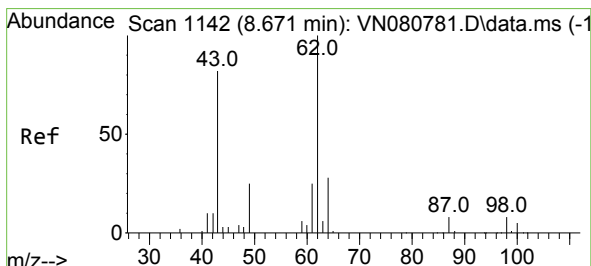
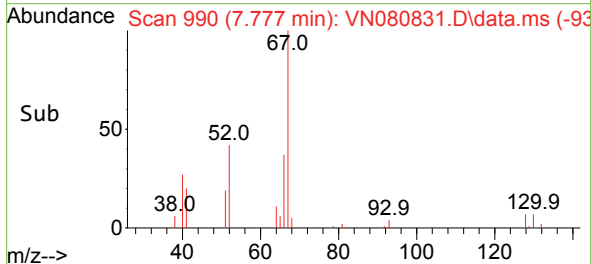
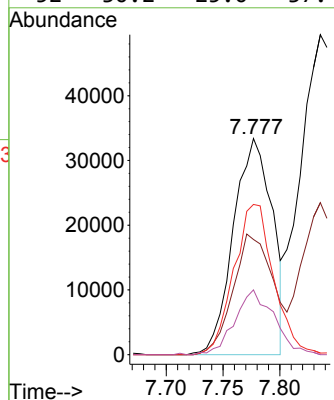
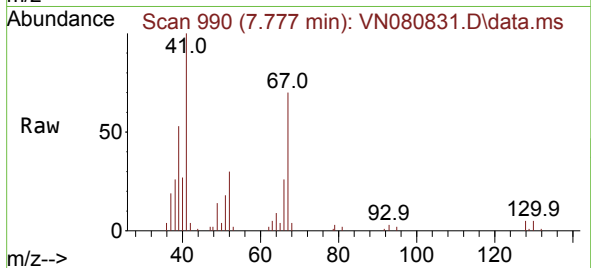




#41  
Methacrylonitrile  
Concen: 44.815 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

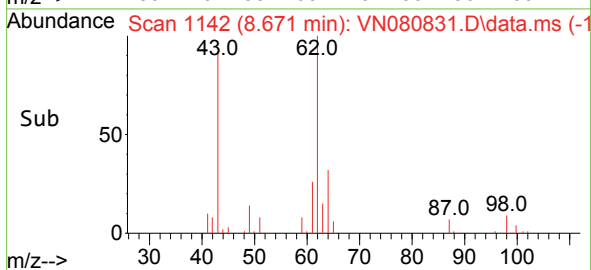
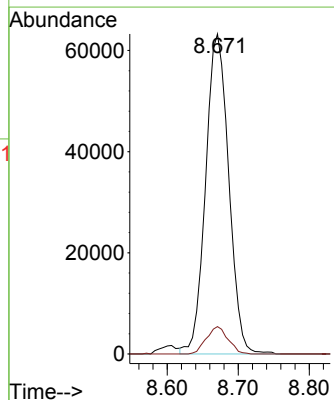
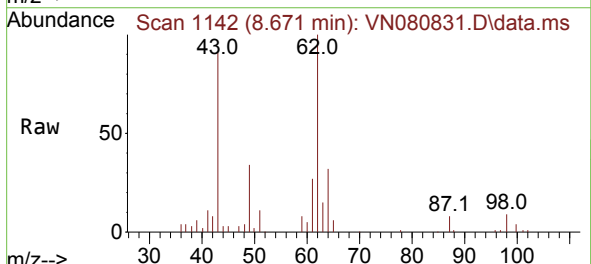
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

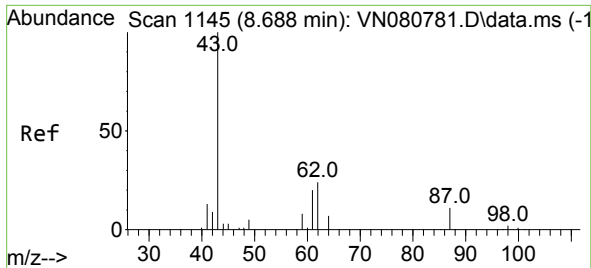
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 79368 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 58.2  | 48.4  | 72.6  |
| 67       | 71.2  | 56.8  | 85.2  |
| 52       | 30.2  | 25.0  | 37.4  |



#42  
1,2-Dichloroethane  
Concen: 51.144 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 142943 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.0   | 0.0   | 18.0   |

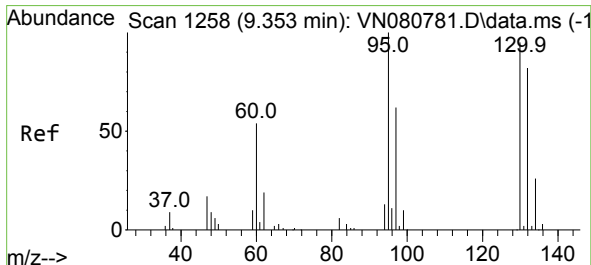
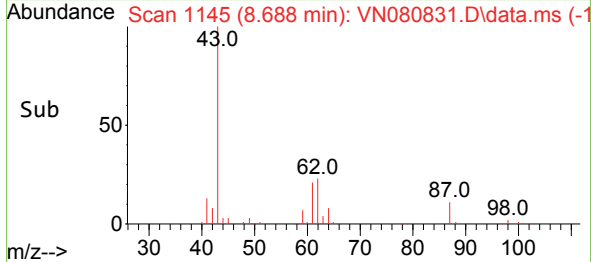
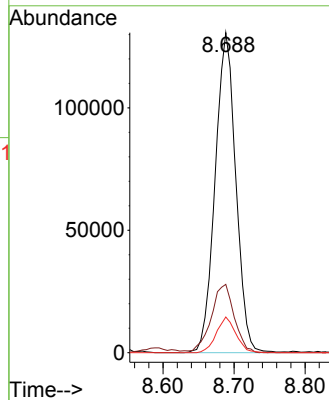
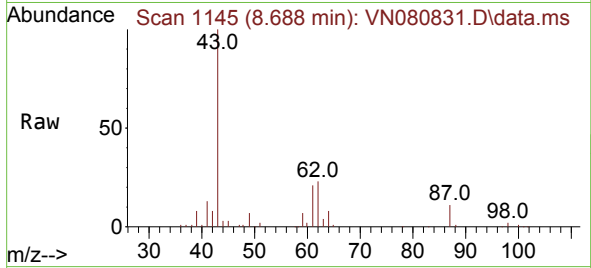




#43  
Isopropyl Acetate  
Concen: 48.229 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

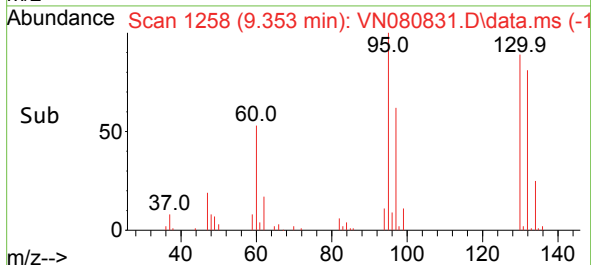
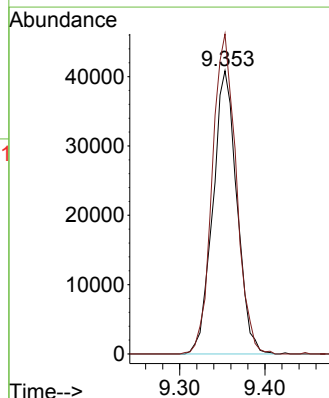
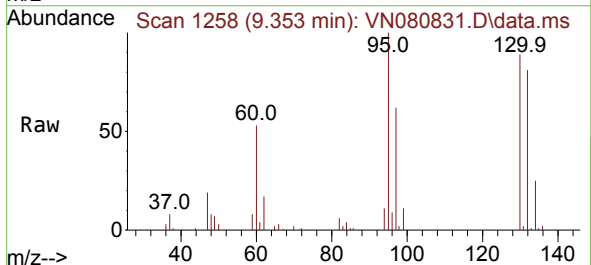
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

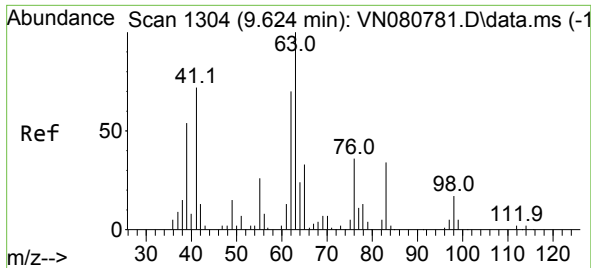
Tgt Ion: 43 Resp: 263844  
Ion Ratio Lower Upper  
43 100  
61 23.8 19.9 29.9  
87 10.5 9.0 13.6



#44  
Trichloroethene  
Concen: 42.358 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion:130 Resp: 80040  
Ion Ratio Lower Upper  
130 100  
95 113.0 0.0 210.4

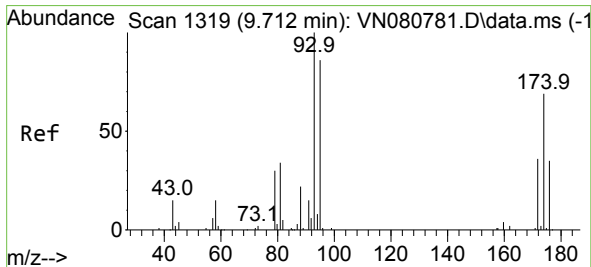
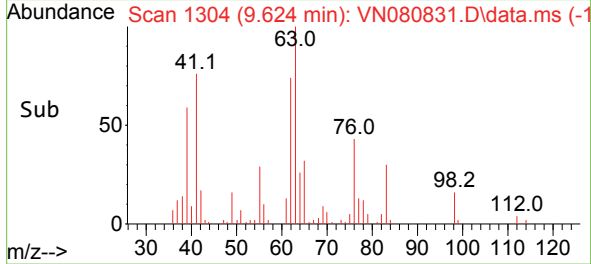
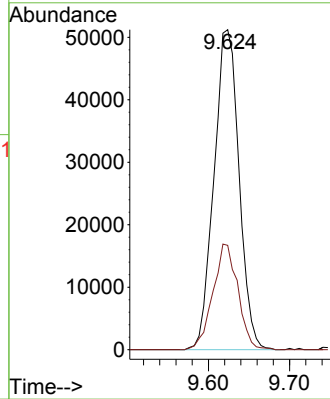
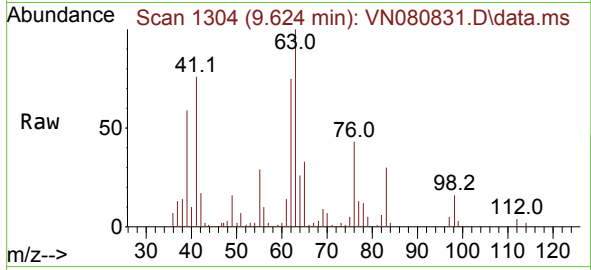




#45  
1,2-Dichloropropane  
Concen: 47.322 ug/l  
RT: 9.624 min Scan# 1304  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

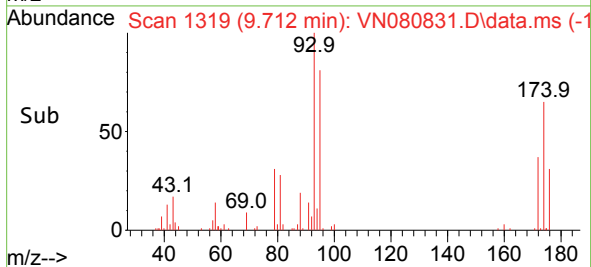
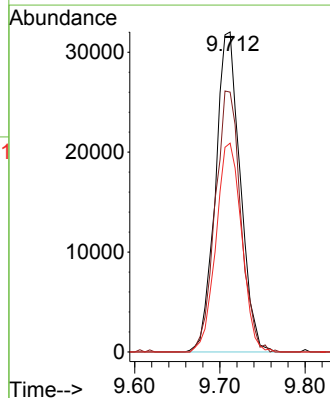
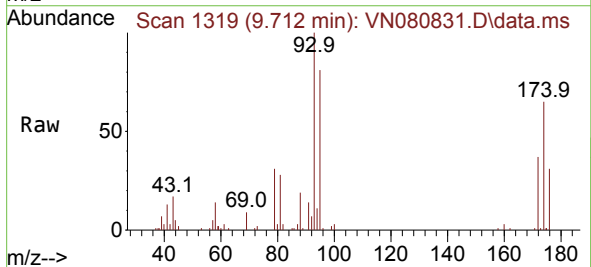
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

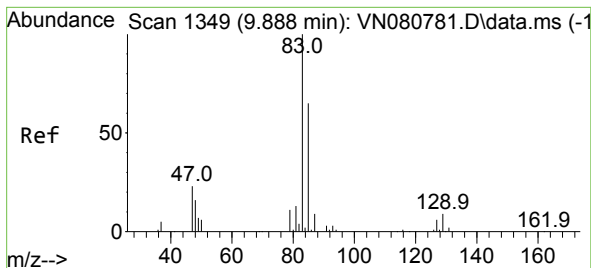
Tgt Ion: 63 Resp: 109865  
Ion Ratio Lower Upper  
63 100  
65 32.6 26.1 39.1



#46  
Dibromomethane  
Concen: 47.068 ug/l  
RT: 9.712 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 93 Resp: 64779  
Ion Ratio Lower Upper  
93 100  
95 83.9 68.1 102.1  
174 67.6 57.2 85.8





#47

Bromodichloromethane

Concen: 49.078 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN080831.D

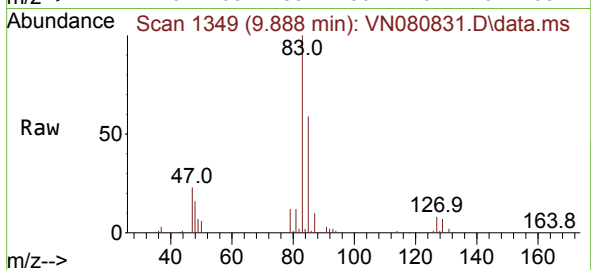
Acq: 31 Jan 2024 11:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050



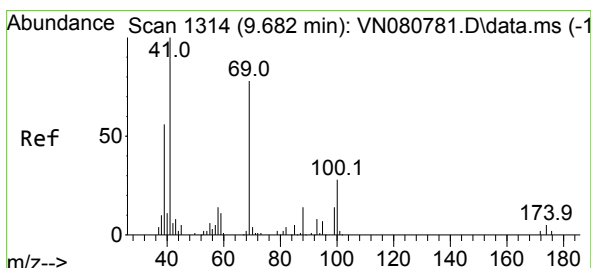
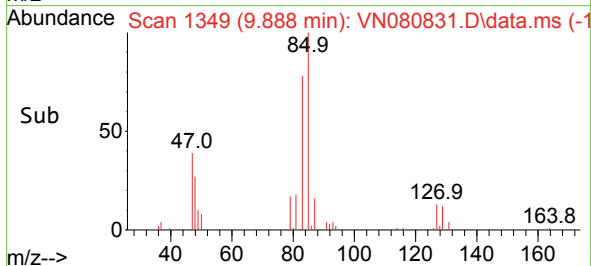
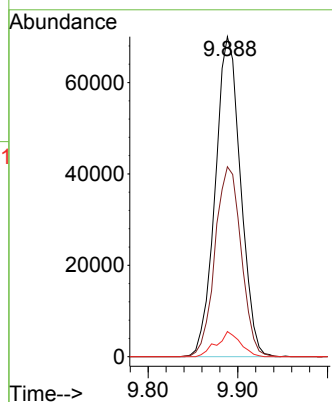
Tgt Ion: 83 Resp: 137136

Ion Ratio Lower Upper

83 100

85 59.4 52.3 78.5

127 7.9 4.6 7.0#



#48

Methyl methacrylate

Concen: 46.089 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

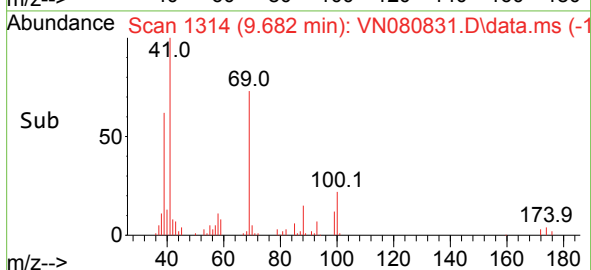
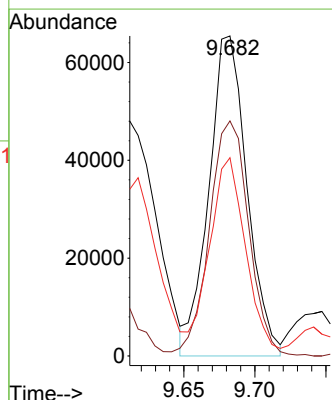
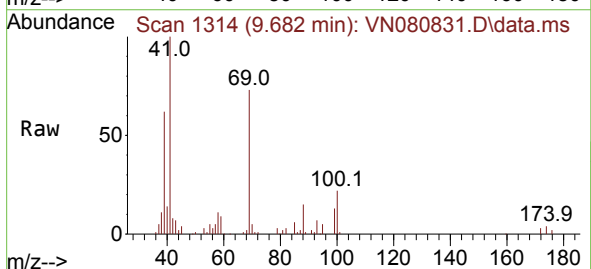
Tgt Ion: 41 Resp: 122236

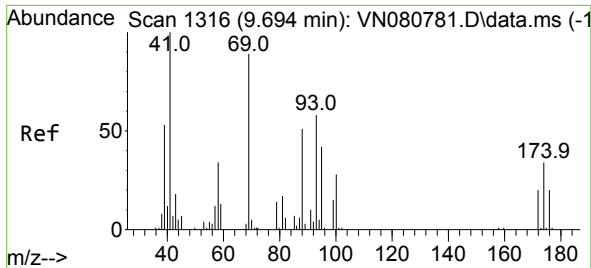
Ion Ratio Lower Upper

41 100

69 75.9 62.2 93.2

39 58.8 47.6 71.4





#49

1,4-Dioxane

Concen: 914.711 ug/l

RT: 9.694 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

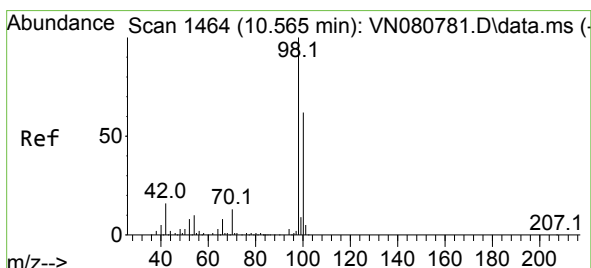
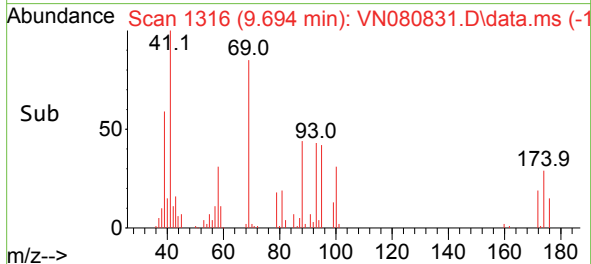
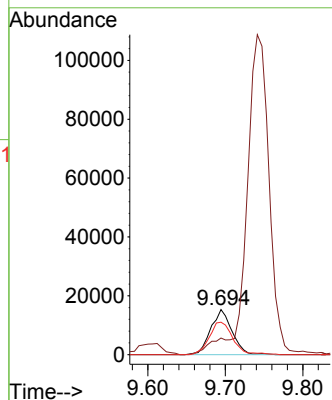
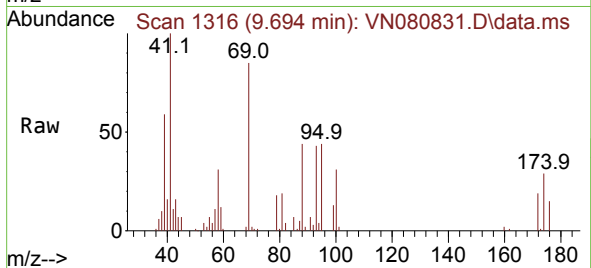
Tgt Ion: 88 Resp: 29222

Ion Ratio Lower Upper

88 100

43 32.1 30.1 45.1

58 80.2 63.9 95.9



#50

Toluene-d8

Concen: 44.843 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080831.D

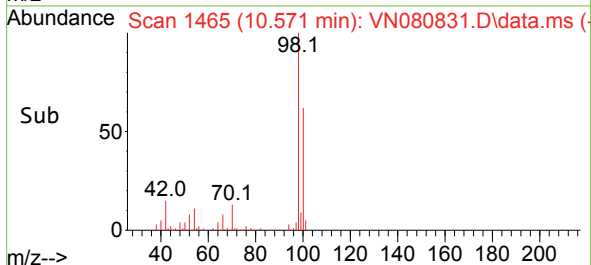
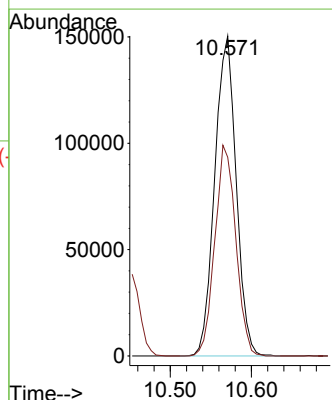
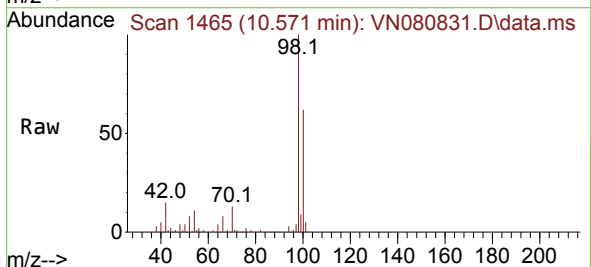
Acq: 31 Jan 2024 11:14

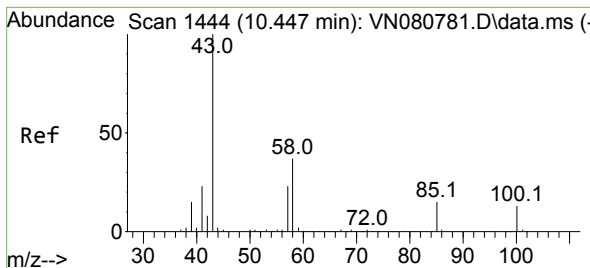
Tgt Ion: 98 Resp: 275632

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0

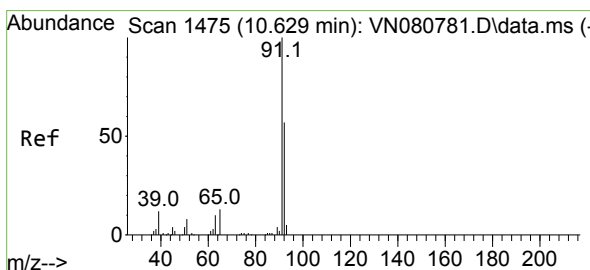
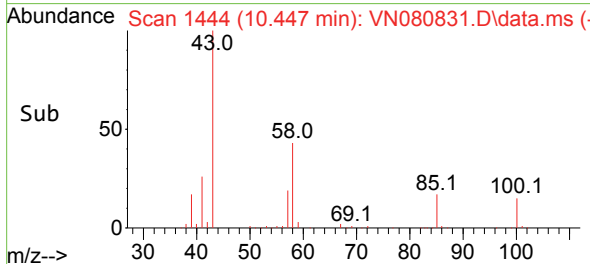
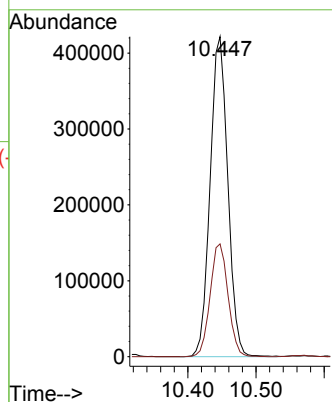
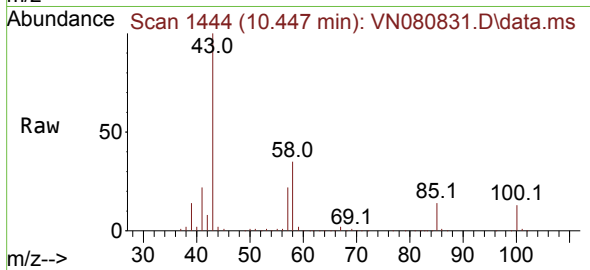




#51  
4-Methyl-2-Pentanone  
Concen: 248.530 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

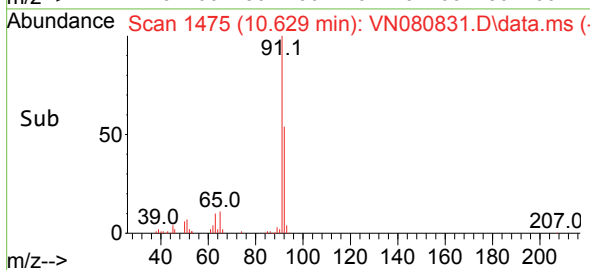
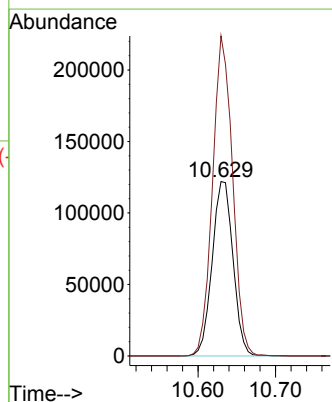
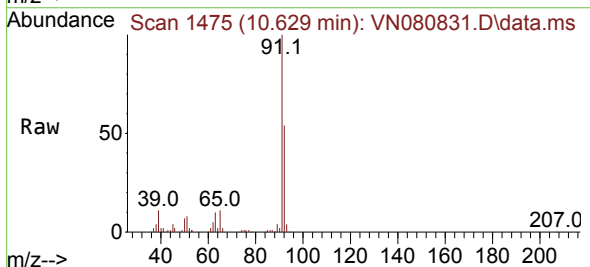
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

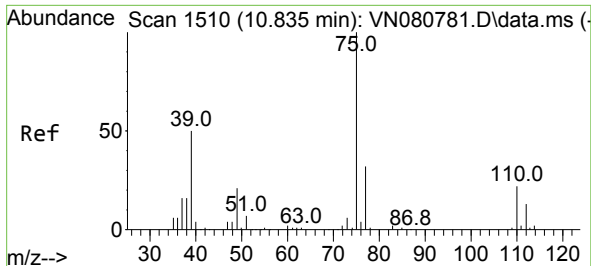
Tgt Ion: 43 Resp: 760064  
Ion Ratio Lower Upper  
43 100  
58 35.8 29.4 44.0



#52  
Toluene  
Concen: 46.306 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 92 Resp: 227772  
Ion Ratio Lower Upper  
92 100  
91 176.3 139.4 209.0

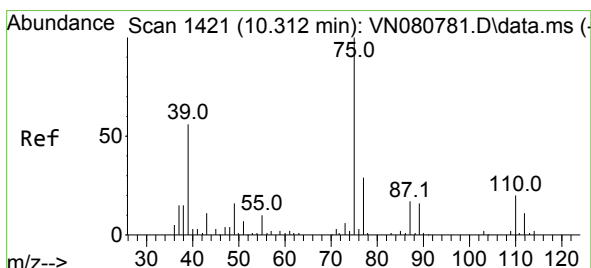
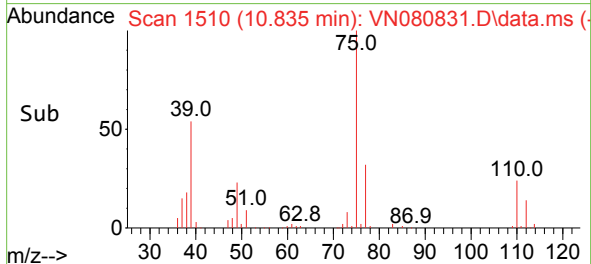
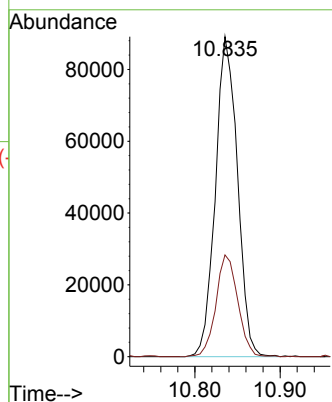
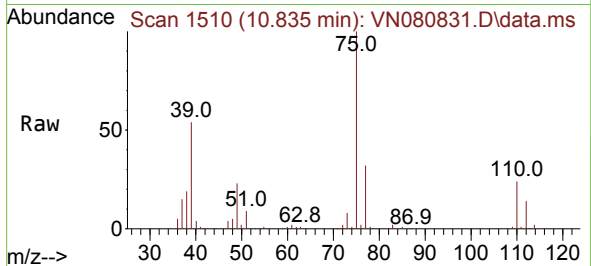




#53  
t-1,3-Dichloropropene  
Concen: 49.080 ug/l  
RT: 10.835 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

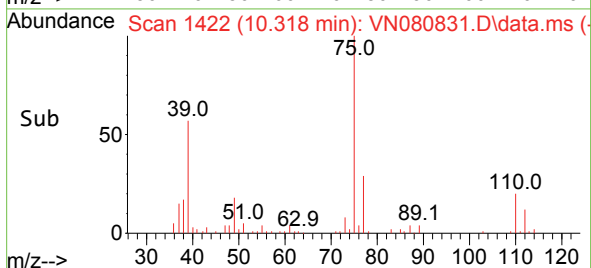
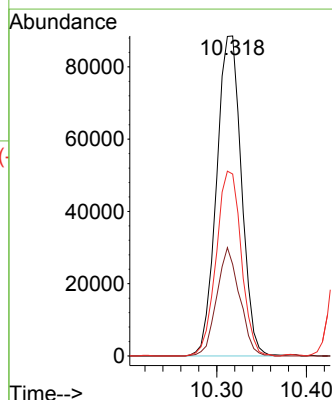
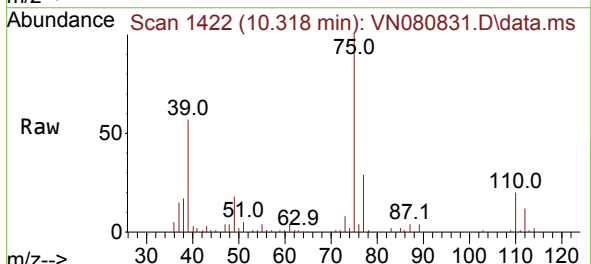
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

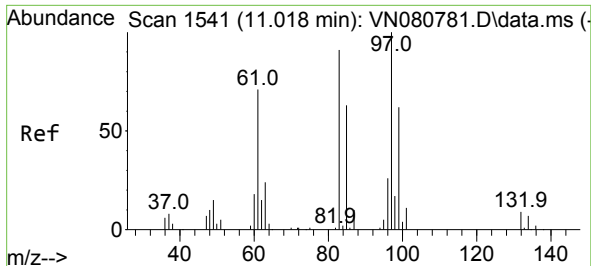
Tgt Ion: 75 Resp: 159761  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.5 38.3



#54  
cis-1,3-Dichloropropene  
Concen: 48.126 ug/l  
RT: 10.318 min Scan# 1422  
Delta R.T. 0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 75 Resp: 170355  
Ion Ratio Lower Upper  
75 100  
77 28.6 23.3 34.9  
39 56.8 44.6 66.8

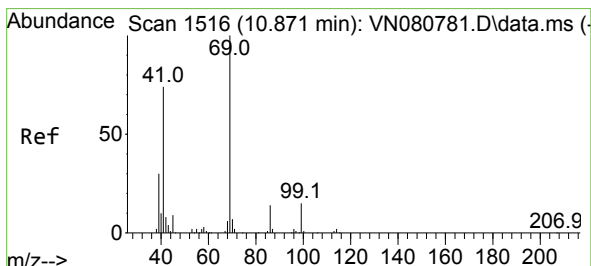
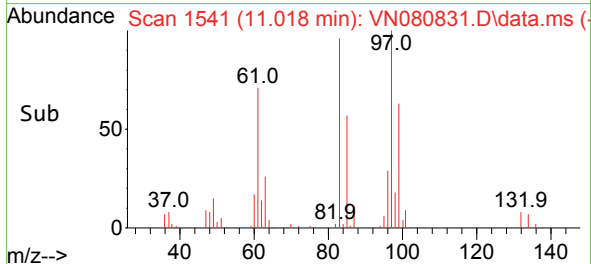
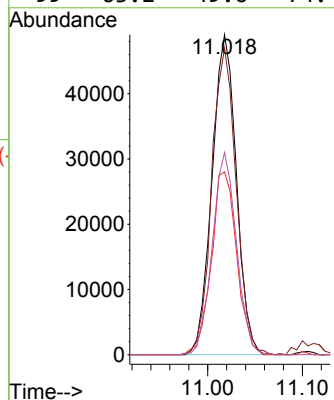
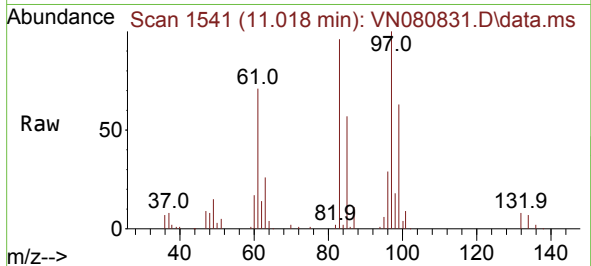




#55  
1,1,2-Trichloroethane  
Concen: 46.342 ug/l  
RT: 11.018 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

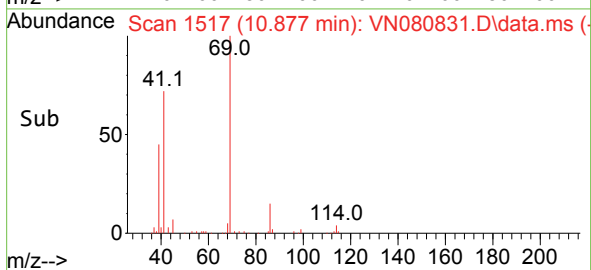
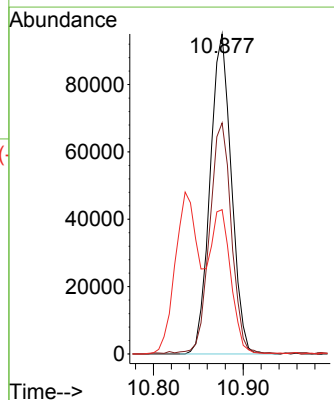
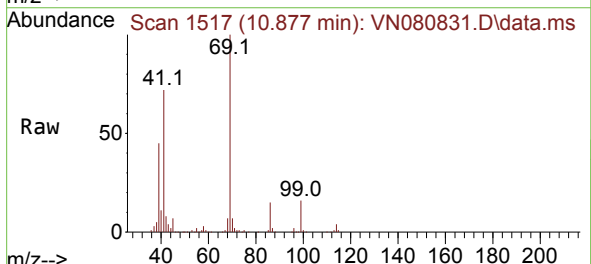
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 87605 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 95.8  | 72.9  | 109.3 |
| 85       | 57.1  | 50.2  | 75.2  |
| 99       | 63.2  | 49.6  | 74.4  |

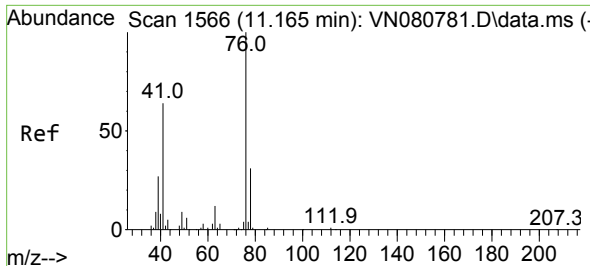


#56  
Ethyl methacrylate  
Concen: 53.839 ug/l  
RT: 10.877 min Scan# 1517  
Delta R.T. 0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 156458 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 74.4  | 61.0  | 91.6   |
| 39       | 40.8  | 31.8  | 47.6   |



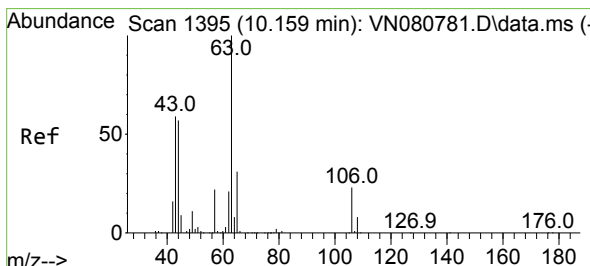
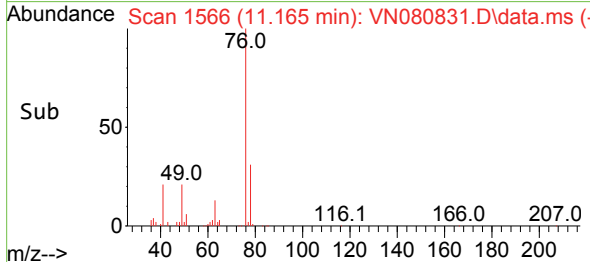
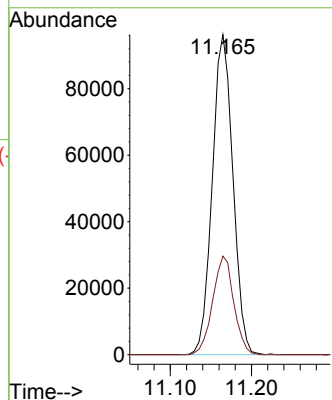
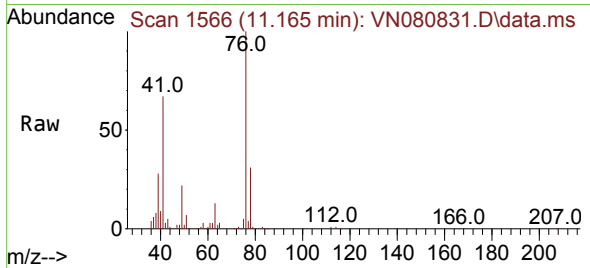




#57  
1,3-Dichloropropane  
Concen: 47.755 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

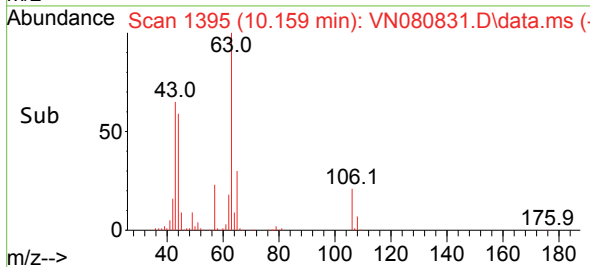
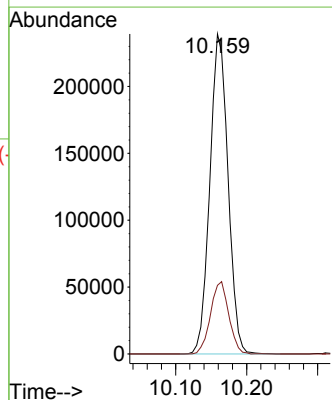
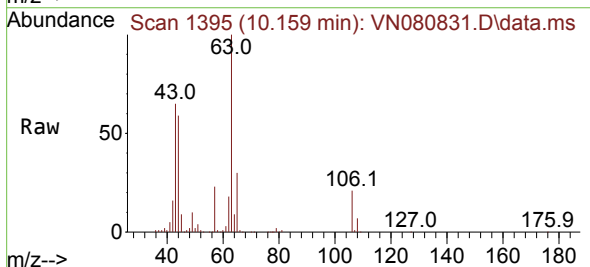
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

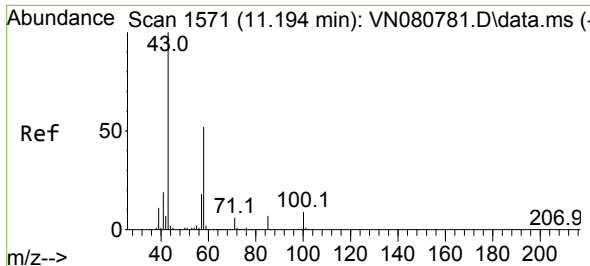
Tgt Ion: 76 Resp: 169896  
Ion Ratio Lower Upper  
76 100  
78 31.5 25.5 38.3



#58  
2-Chloroethyl Vinyl ether  
Concen: 250.621 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 63 Resp: 424576  
Ion Ratio Lower Upper  
63 100  
106 22.7 18.6 28.0

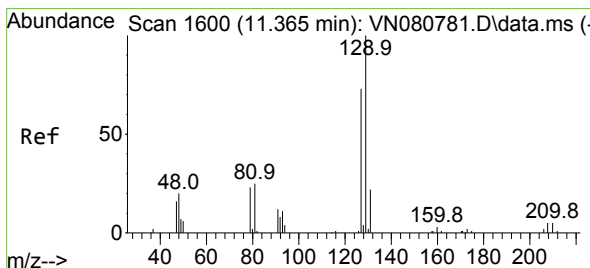
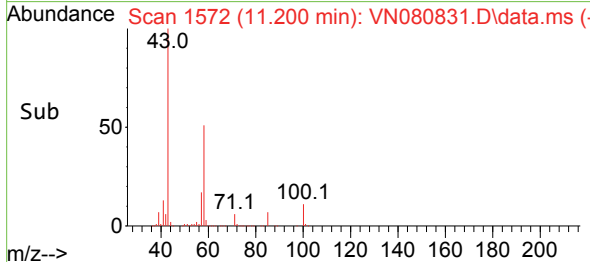
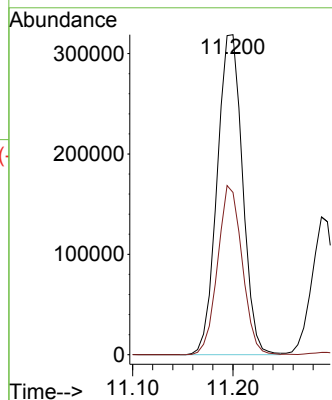
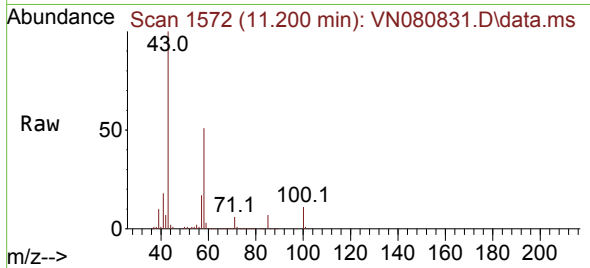




#59  
2-Hexanone  
Concen: 235.494 ug/l  
RT: 11.200 min Scan# 1599  
Delta R.T. 0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

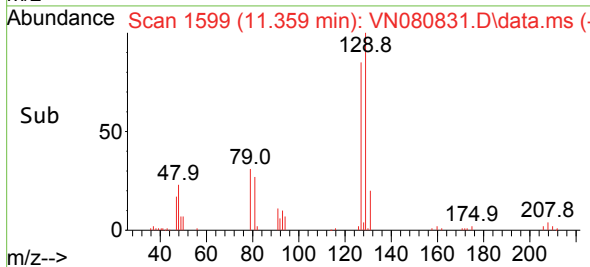
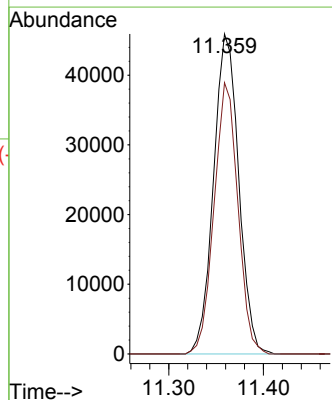
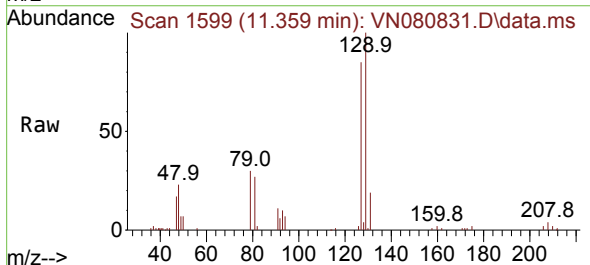
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

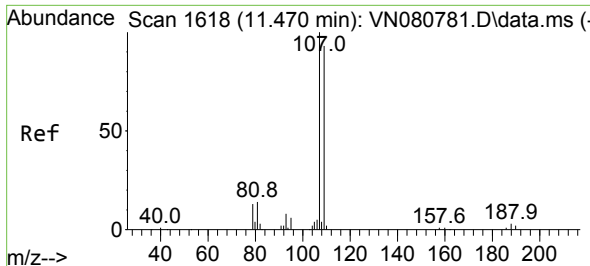
Tgt Ion: 43 Resp: 559428  
Ion Ratio Lower Upper  
43 100  
58 51.1 25.9 77.8



#60  
Dibromochloromethane  
Concen: 48.279 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion:129 Resp: 84891  
Ion Ratio Lower Upper  
129 100  
127 80.1 39.4 118.2

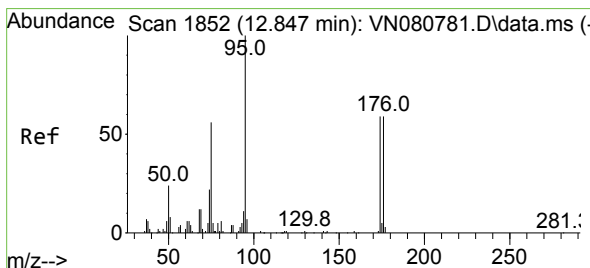
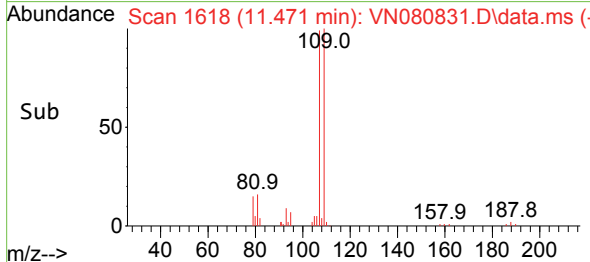
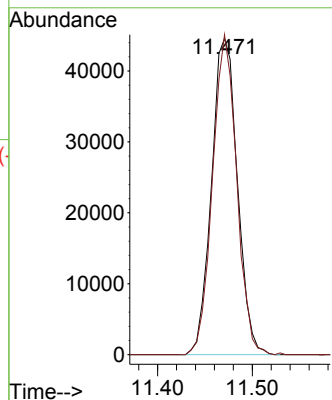
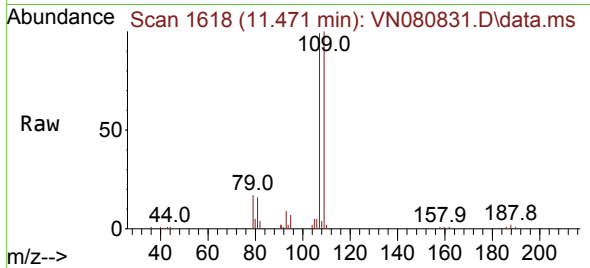




#61  
1,2-Dibromoethane  
Concen: 47.729 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

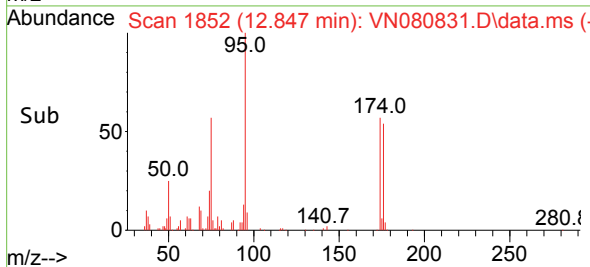
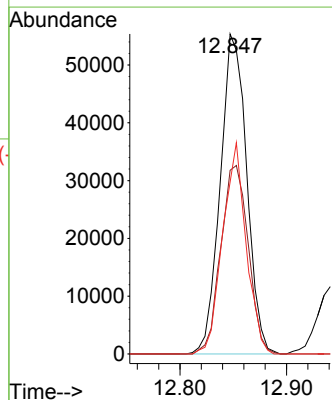
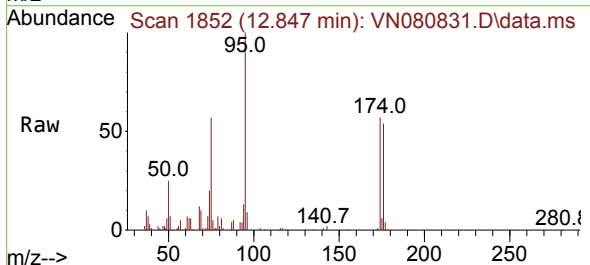
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

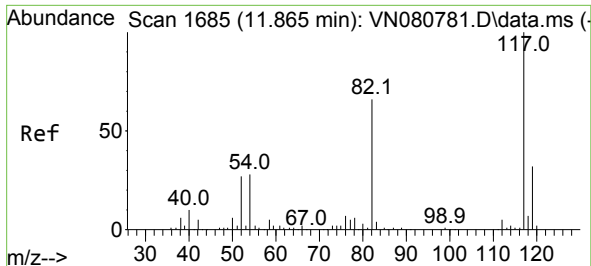
Tgt Ion:107 Resp: 84559  
Ion Ratio Lower Upper  
107 100  
109 94.5 73.4 110.2



#62  
4-Bromofluorobenzene  
Concen: 44.600 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 95 Resp: 95529  
Ion Ratio Lower Upper  
95 100  
174 61.2 0.0 120.4  
176 58.8 0.0 121.0

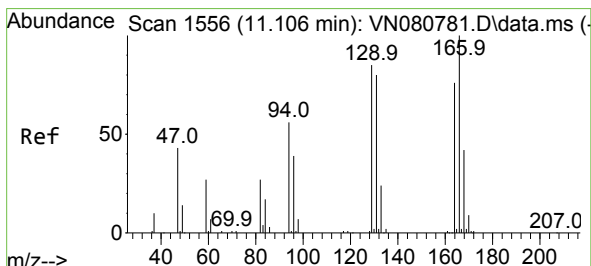
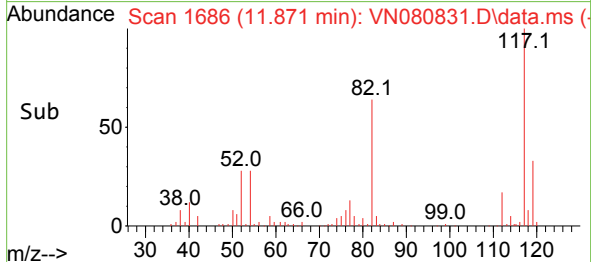
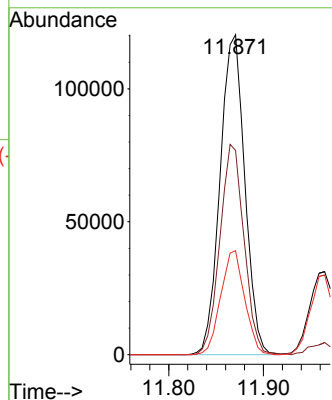
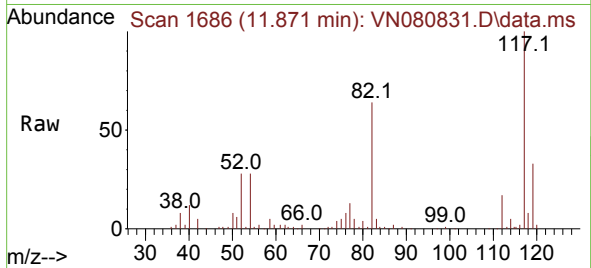




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

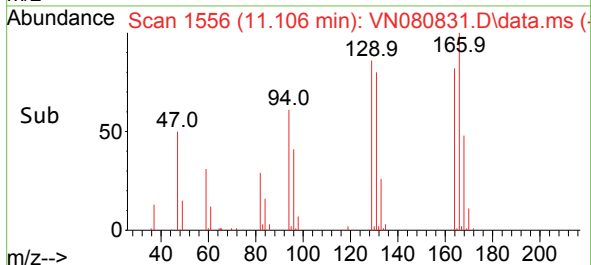
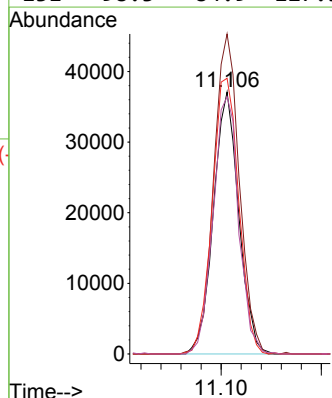
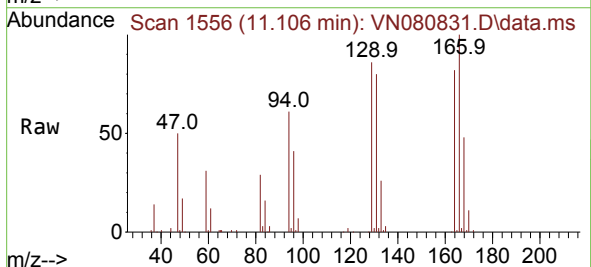
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

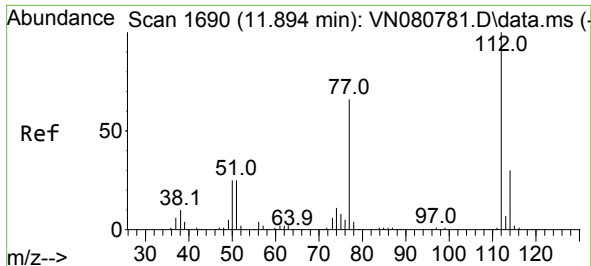
Tgt Ion:117 Resp: 218374  
Ion Ratio Lower Upper  
117 100  
82 63.8 52.7 79.1  
119 32.5 25.3 37.9



#64  
Tetrachloroethene  
Concen: 45.331 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion:164 Resp: 65066  
Ion Ratio Lower Upper  
164 100  
166 122.2 105.8 158.6  
129 105.3 89.6 134.4  
131 98.3 84.9 127.3

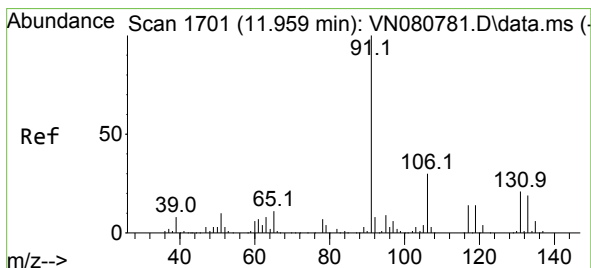
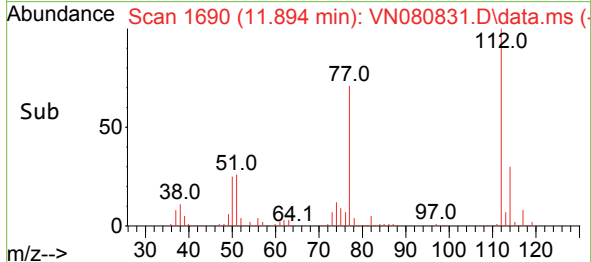
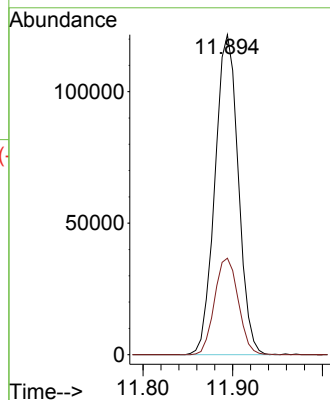
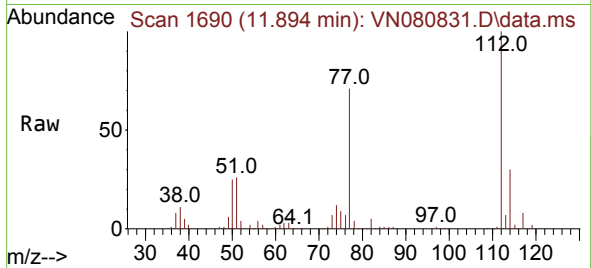




#65  
Chlorobenzene  
Concen: 46.077 ug/l  
RT: 11.894 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

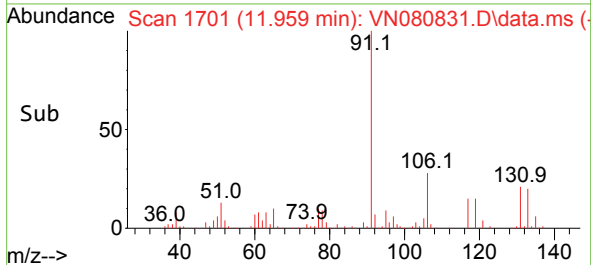
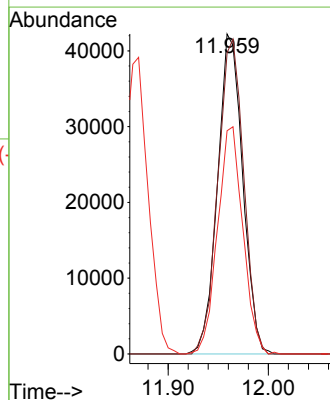
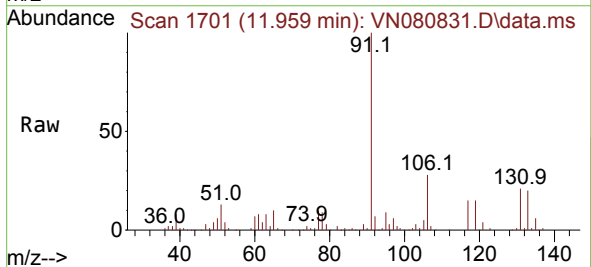
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

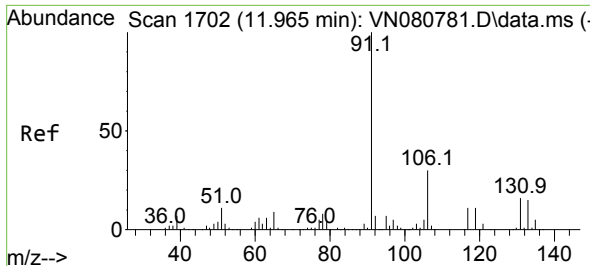
Tgt Ion:112 Resp: 219602  
Ion Ratio Lower Upper  
112 100  
114 30.1 23.7 35.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 47.526 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion:131 Resp: 73657  
Ion Ratio Lower Upper  
131 100  
133 100.9 46.8 140.3  
119 71.6 34.6 103.9

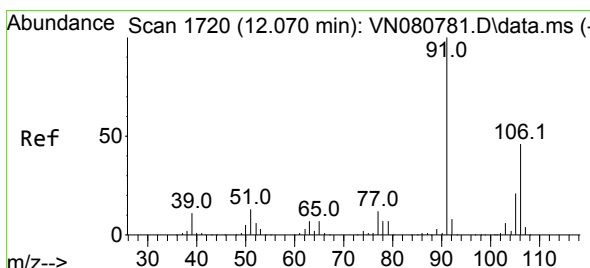
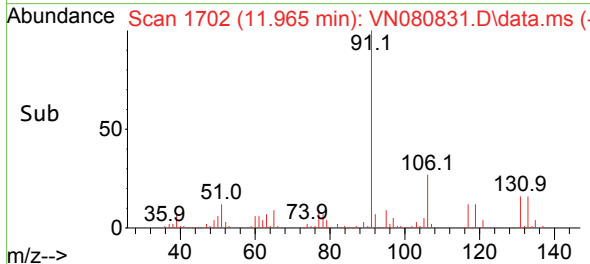
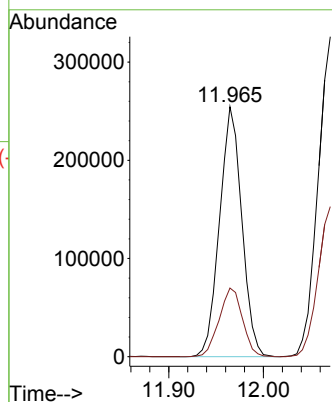
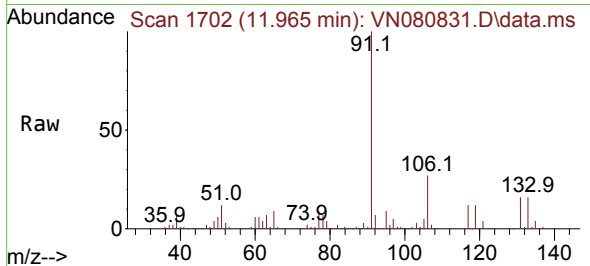




#67  
Ethyl Benzene  
Concen: 46.965 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

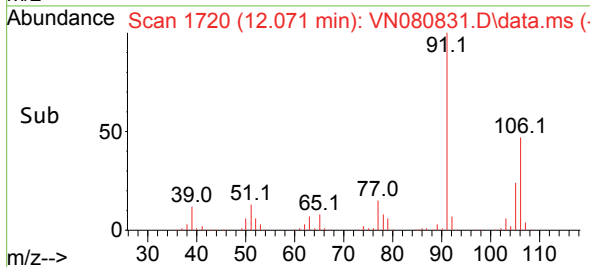
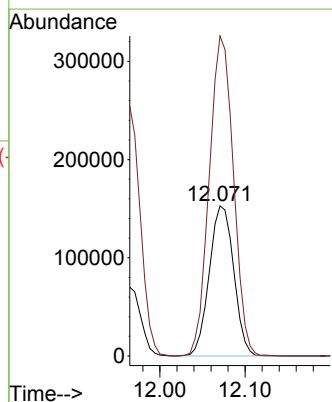
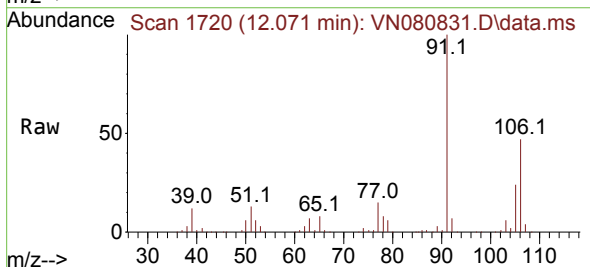
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

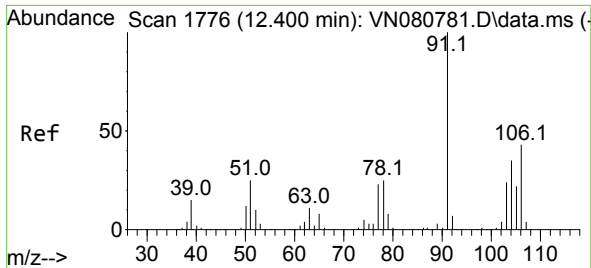
Tgt Ion: 91 Resp: 416022  
Ion Ratio Lower Upper  
91 100  
106 27.5 23.8 35.6



#68  
m/p-Xylenes  
Concen: 96.778 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion:106 Resp: 304449  
Ion Ratio Lower Upper  
106 100  
91 211.4 169.0 253.6

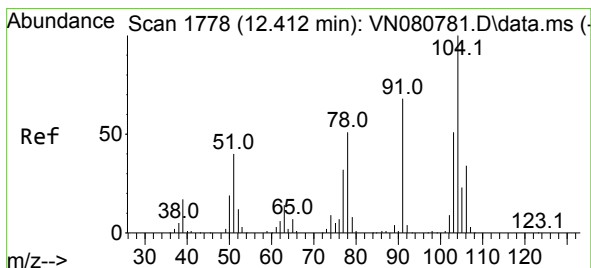
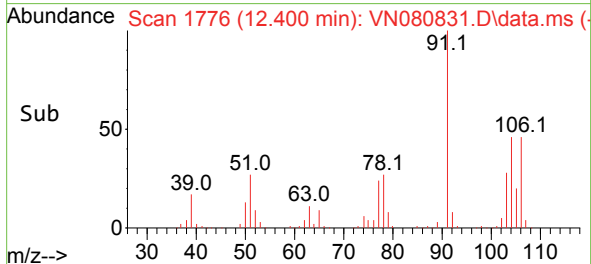
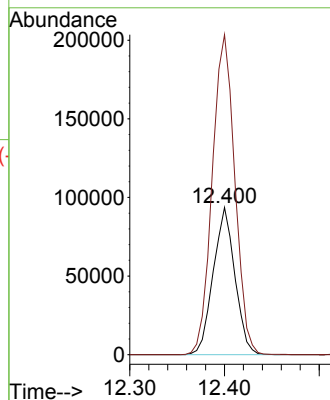
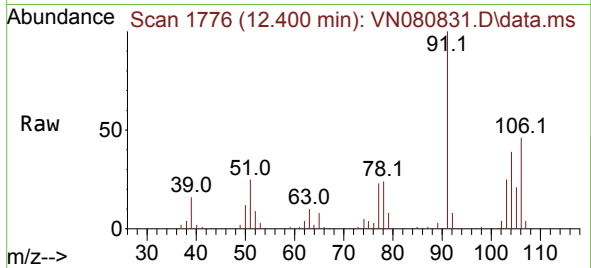




#69  
o-Xylene  
Concen: 47.766 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

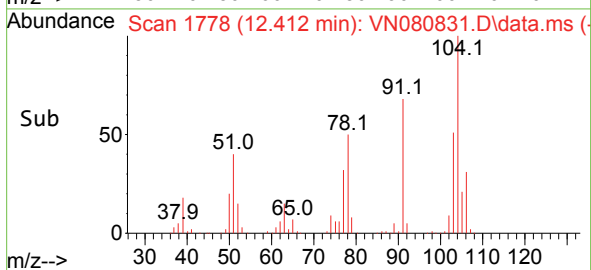
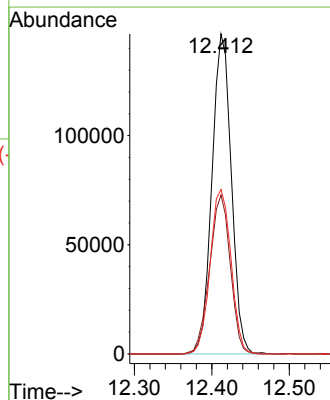
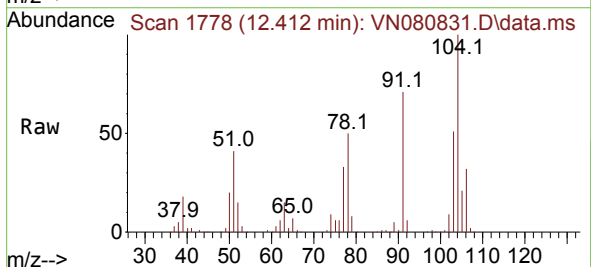
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

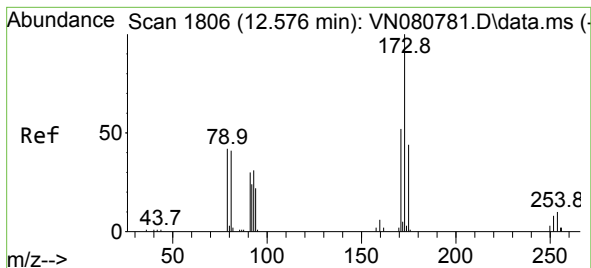
Tgt Ion:106 Resp: 149310  
Ion Ratio Lower Upper  
106 100  
91 226.3 112.1 336.3



#70  
Styrene  
Concen: 50.657 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion:104 Resp: 254307  
Ion Ratio Lower Upper  
104 100  
78 53.2 43.8 65.8  
103 55.3 44.2 66.2





#71

Bromoform

Concen: 49.269 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

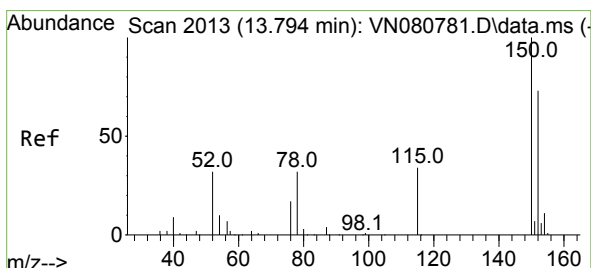
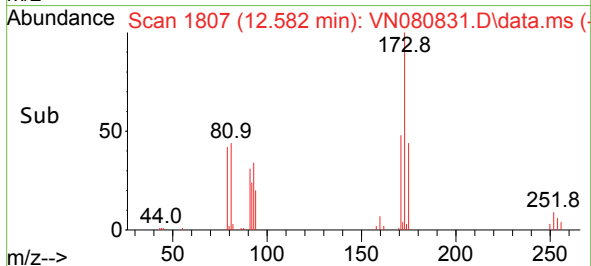
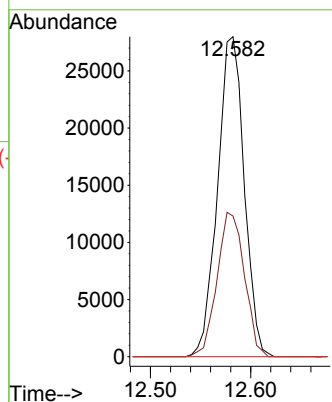
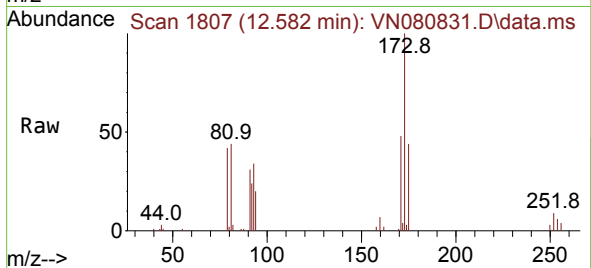
Tgt Ion:173 Resp: 51630

Ion Ratio Lower Upper

173 100

175 46.3 23.1 69.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

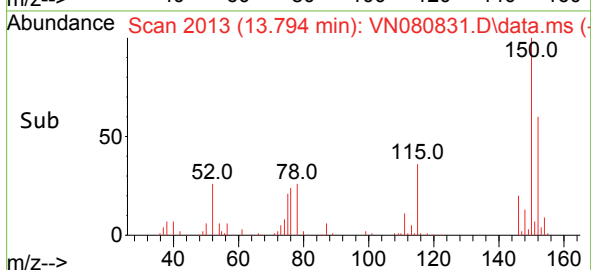
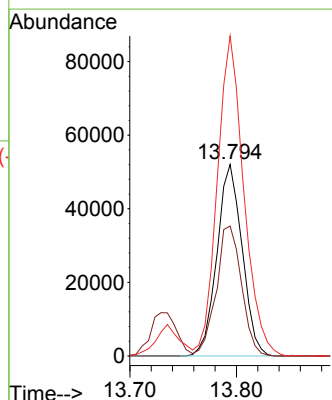
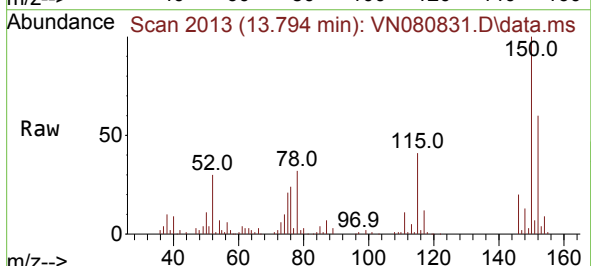
Tgt Ion:152 Resp: 85418

Ion Ratio Lower Upper

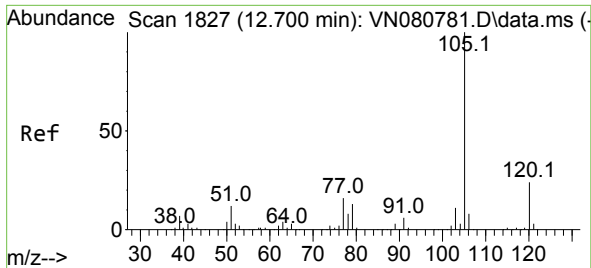
152 100

115 68.0 32.3 96.8

150 175.7 0.0 339.8



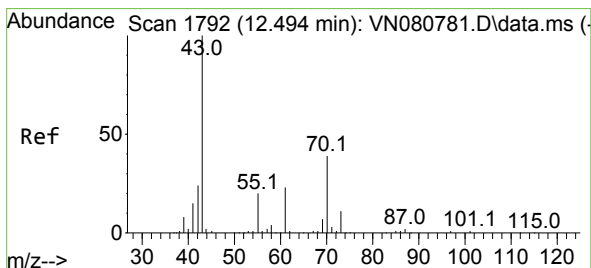
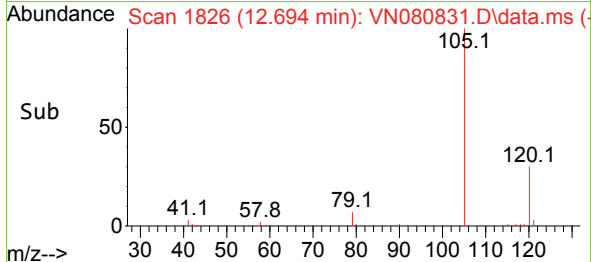
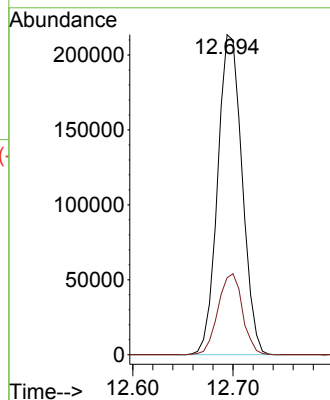
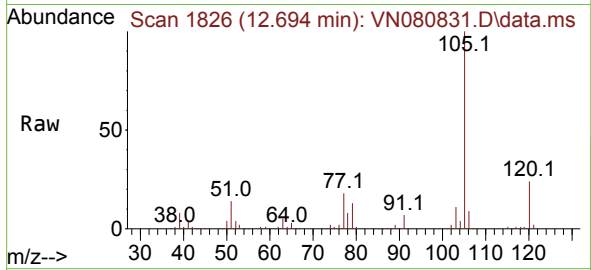




#73  
Isopropylbenzene  
Concen: 46.244 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. -0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

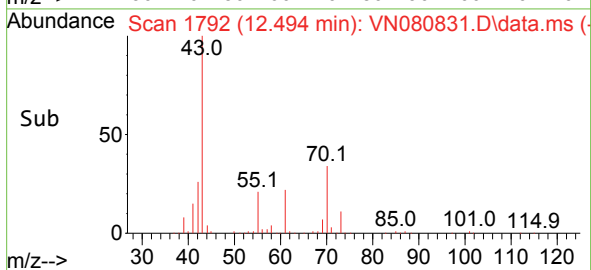
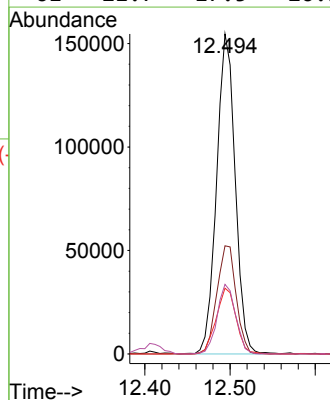
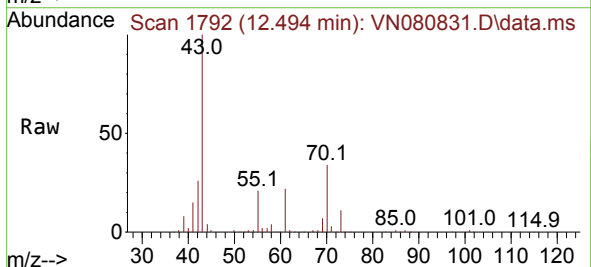
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

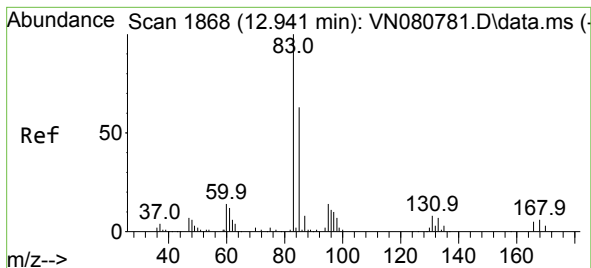
Tgt Ion:105 Resp: 361730  
Ion Ratio Lower Upper  
105 100  
120 25.2 12.6 37.6



#74  
N-ethyl acetate  
Concen: 48.411 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 43 Resp: 235113  
Ion Ratio Lower Upper  
43 100  
70 35.1 30.1 45.1  
55 21.9 17.0 25.4  
61 21.7 17.5 26.3

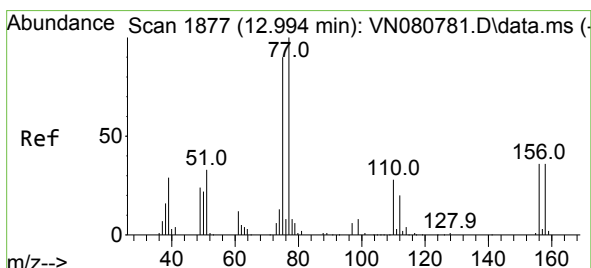
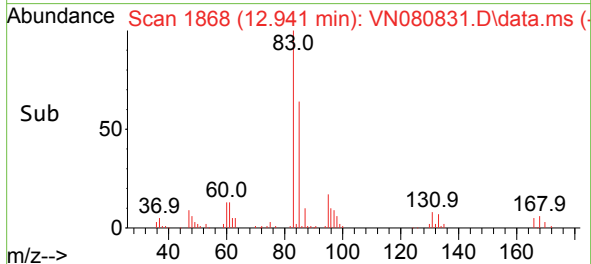
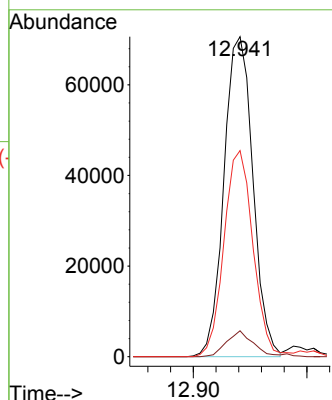
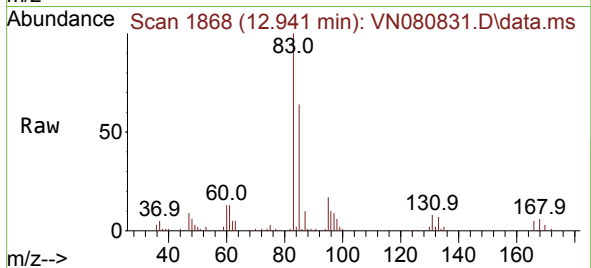




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 45.340 ug/l  
 RT: 12.941 min Scan# 1868  
 Delta R.T. 0.000 min  
 Lab File: VN080831.D  
 Acq: 31 Jan 2024 11:14

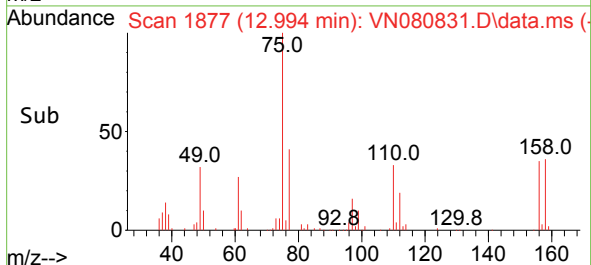
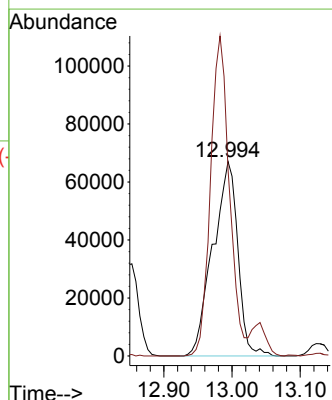
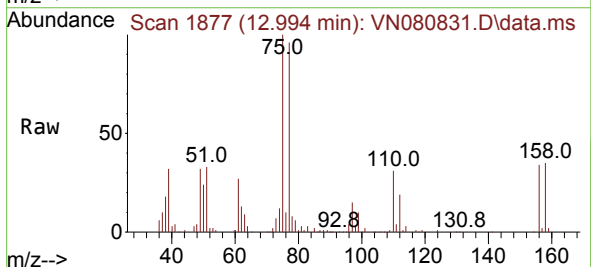
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 ClientSampleId :  
 VSTDCCC050

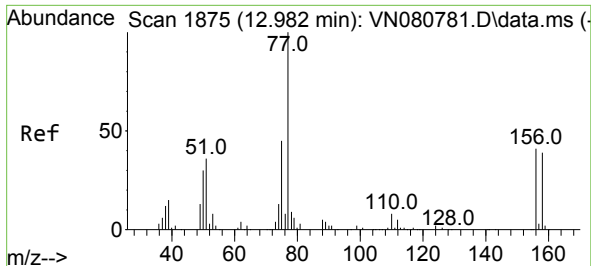
Tgt Ion: 83 Resp: 124755  
 Ion Ratio Lower Upper  
 83 100  
 131 7.8 4.1 12.3  
 85 64.8 32.1 96.3



#76  
 1,2,3-Trichloropropane  
 Concen: 66.156 ug/l  
 RT: 12.994 min Scan# 1877  
 Delta R.T. 0.000 min  
 Lab File: VN080831.D  
 Acq: 31 Jan 2024 11:14

Tgt Ion: 75 Resp: 170433  
 Ion Ratio Lower Upper  
 75 100  
 77 124.1 91.0 272.8

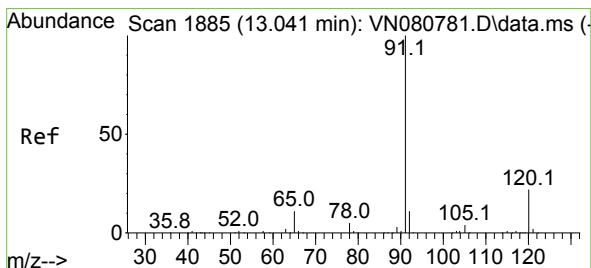
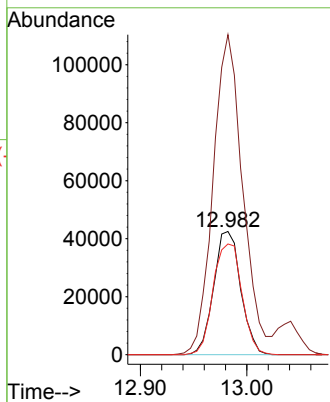
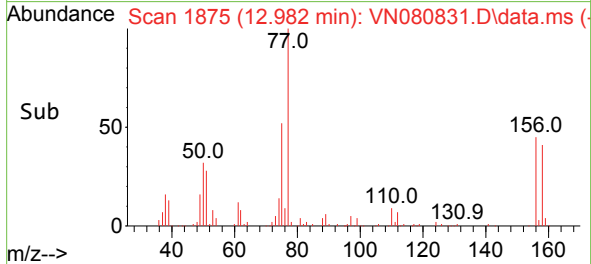
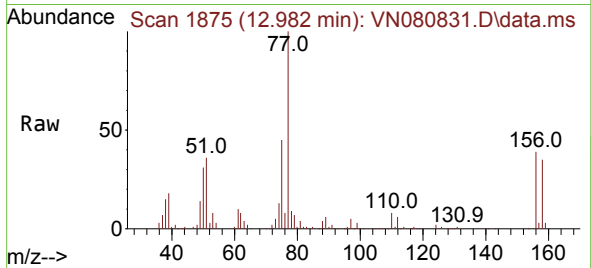




#77  
Bromobenzene  
Concen: 44.833 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

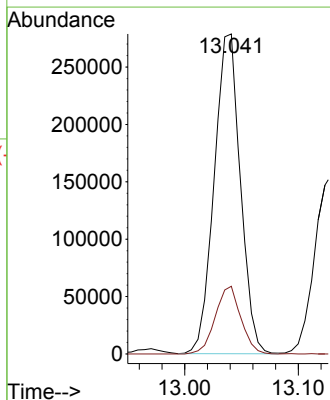
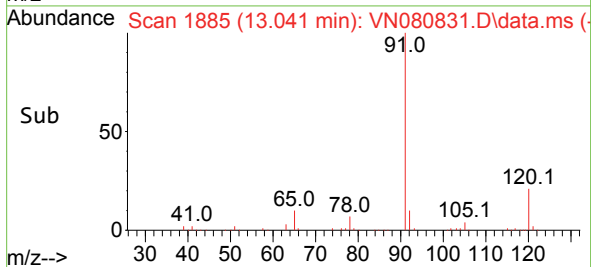
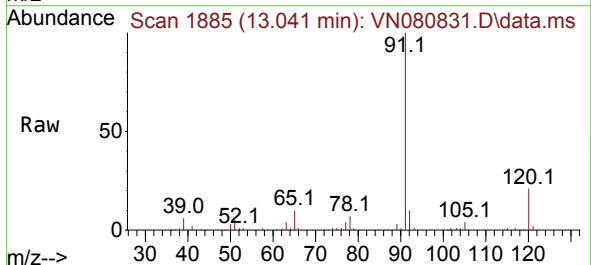
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

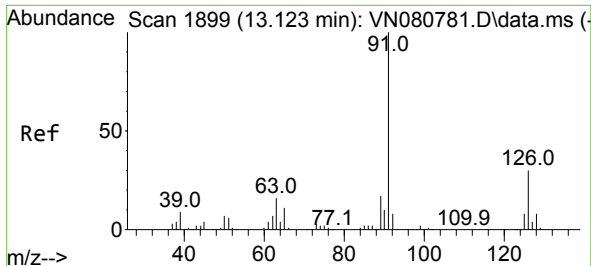
Tgt Ion:156 Resp: 74965  
Ion Ratio Lower Upper  
156 100  
77 282.2 138.1 414.3  
158 95.4 46.5 139.5



#78  
n-propylbenzene  
Concen: 47.749 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 91 Resp: 446206  
Ion Ratio Lower Upper  
91 100  
120 20.7 10.3 30.9

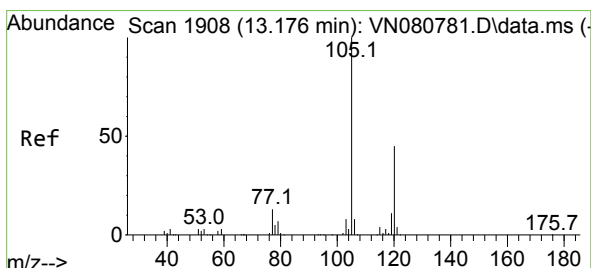
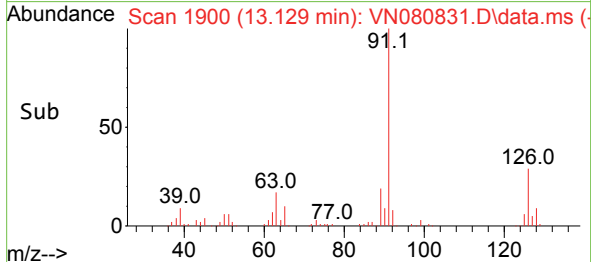
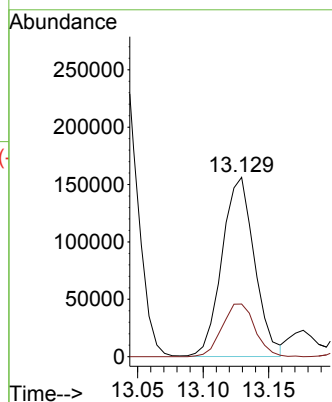
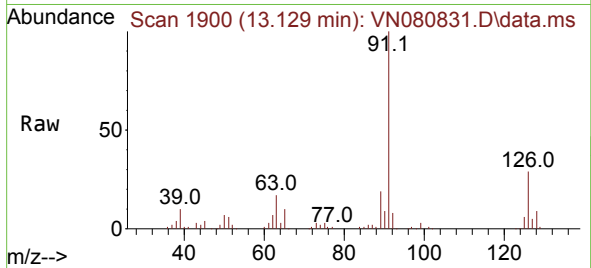




#79  
2-Chlorotoluene  
Concen: 45.462 ug/l  
RT: 13.129 min Scan# 1899  
Delta R.T. 0.006 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

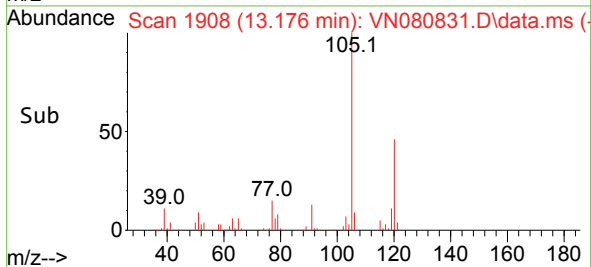
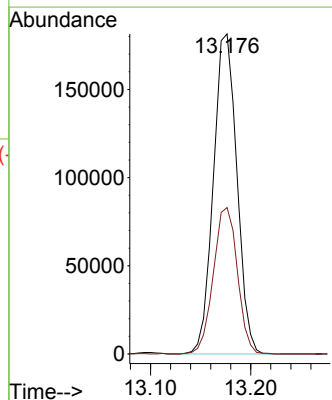
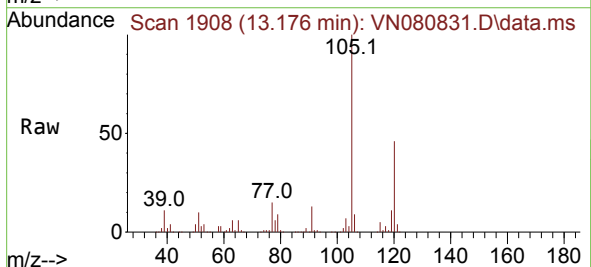
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

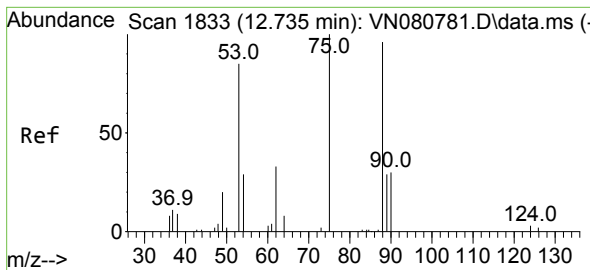
Tgt Ion: 91 Resp: 270021  
Ion Ratio Lower Upper  
91 100  
126 29.7 14.8 44.4



#80  
1,3,5-Trimethylbenzene  
Concen: 47.468 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 105 Resp: 295706  
Ion Ratio Lower Upper  
105 100  
120 46.8 23.0 69.0

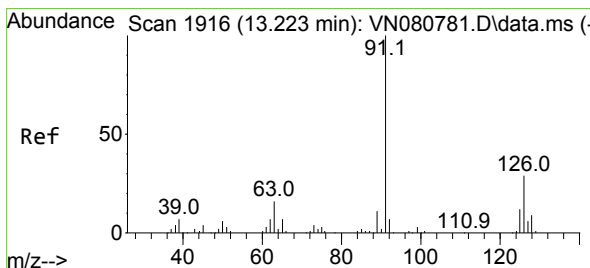
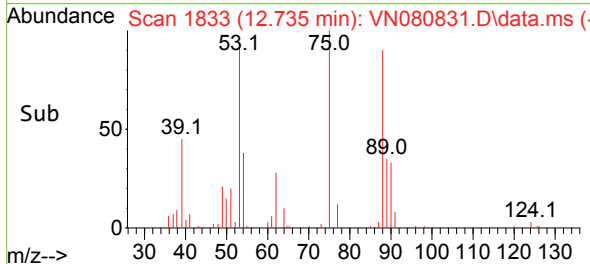
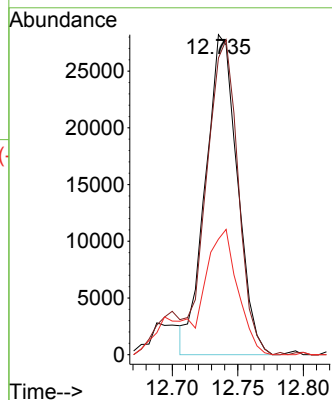
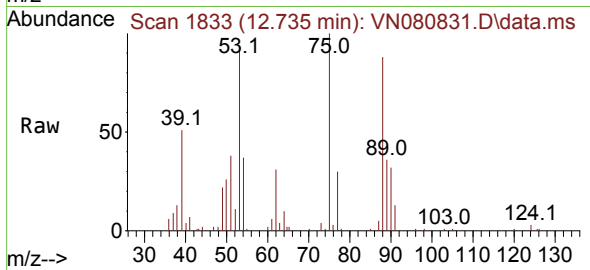




#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.682 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

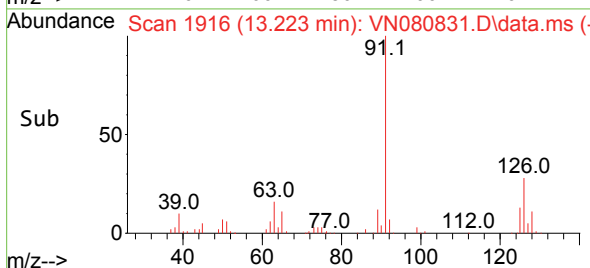
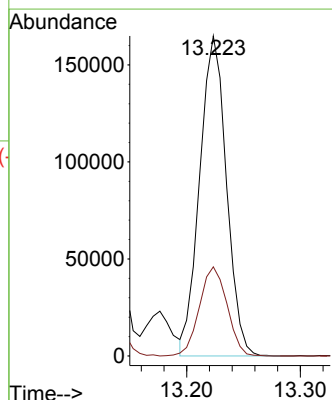
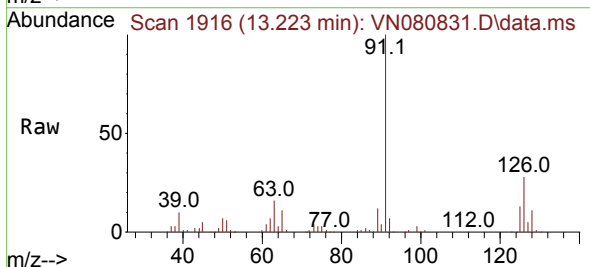
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

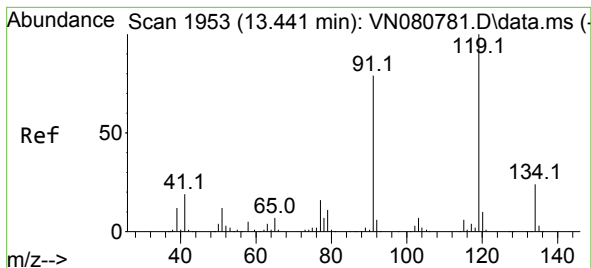
Tgt Ion: 75 Resp: 47683  
Ion Ratio Lower Upper  
75 100  
53 98.4 71.4 107.2  
89 37.6 33.4 50.0



#82  
4-Chlorotoluene  
Concen: 45.876 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 91 Resp: 269802  
Ion Ratio Lower Upper  
91 100  
126 28.8 15.3 45.9





#83

tert-Butylbenzene

Concen: 46.676 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

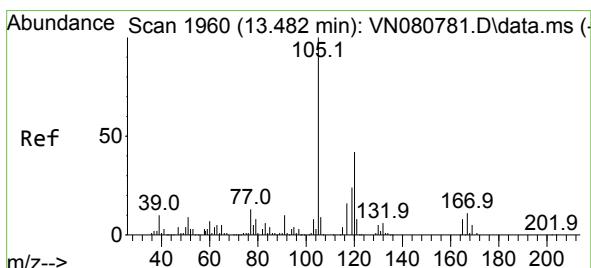
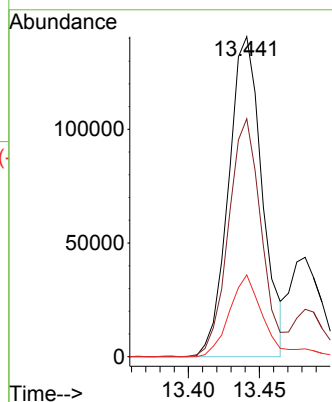
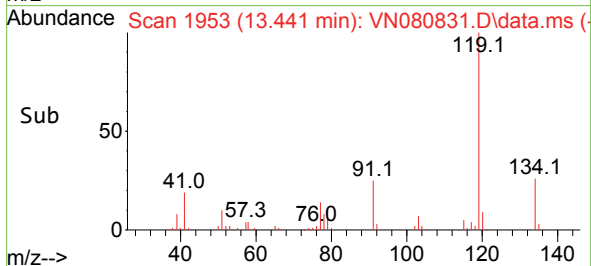
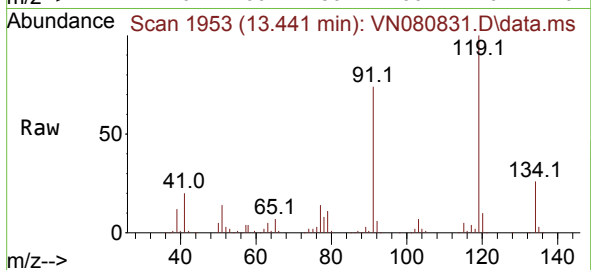
Tgt Ion:119 Resp: 232203

Ion Ratio Lower Upper

119 100

91 72.0 36.8 110.4

134 26.4 12.4 37.4



#84

1,2,4-Trimethylbenzene

Concen: 47.530 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080831.D

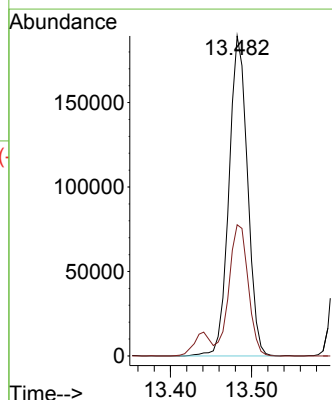
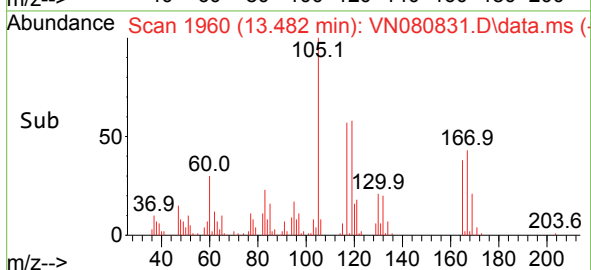
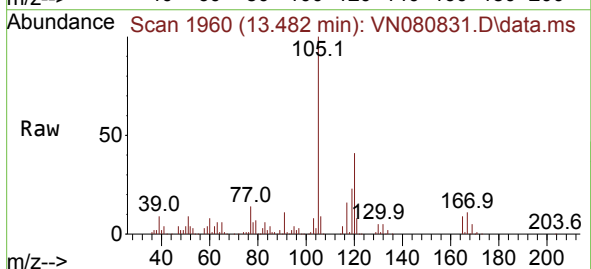
Acq: 31 Jan 2024 11:14

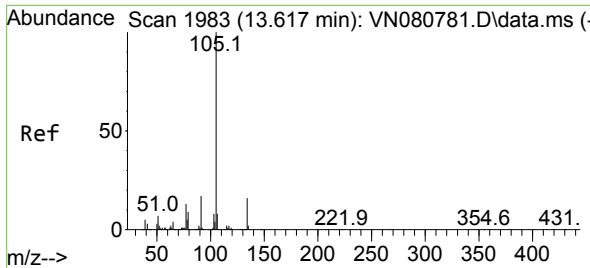
Tgt Ion:105 Resp: 299997

Ion Ratio Lower Upper

105 100

120 42.6 20.9 62.7

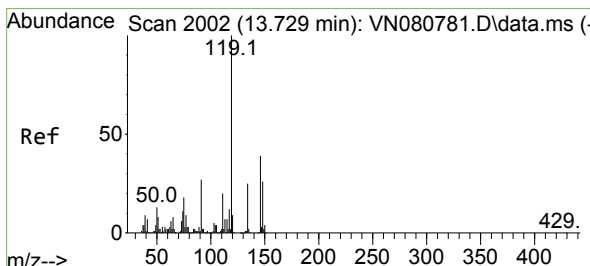
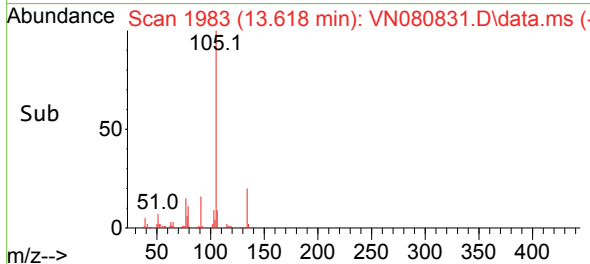
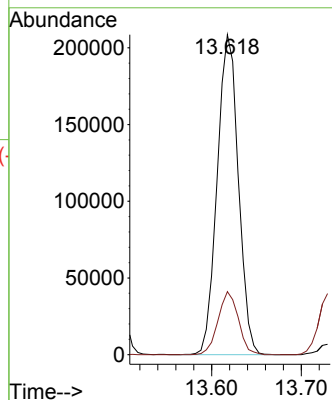
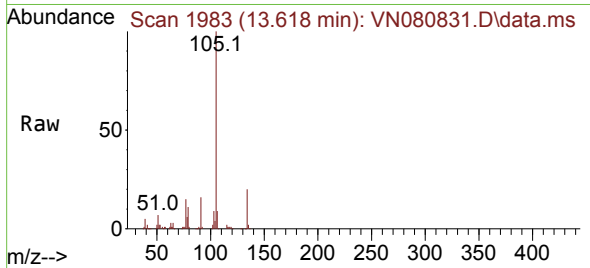




#85  
 sec-Butylbenzene  
 Concen: 46.582 ug/l  
 RT: 13.618 min Scan# 1983  
 Delta R.T. 0.000 min  
 Lab File: VN080831.D  
 Acq: 31 Jan 2024 11:14

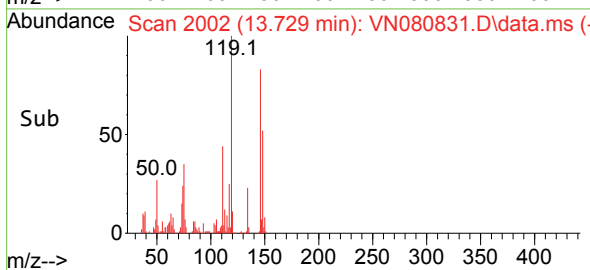
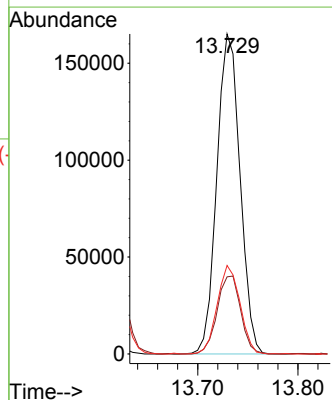
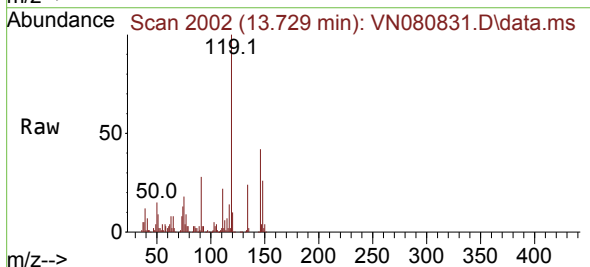
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

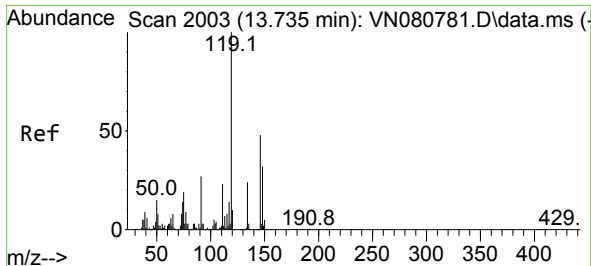
Tgt Ion:105 Resp: 341648  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 8.6 25.8



#86  
 p-Isopropyltoluene  
 Concen: 46.483 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN080831.D  
 Acq: 31 Jan 2024 11:14

Tgt Ion:119 Resp: 264932  
 Ion Ratio Lower Upper  
 119 100  
 134 24.8 12.4 37.2  
 91 27.2 13.5 40.4

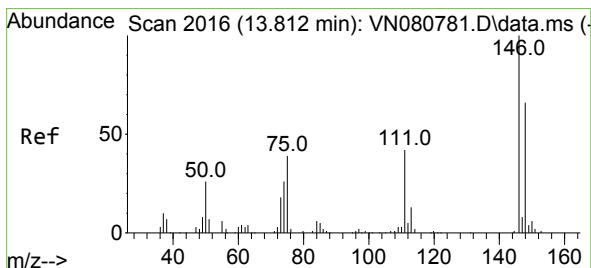
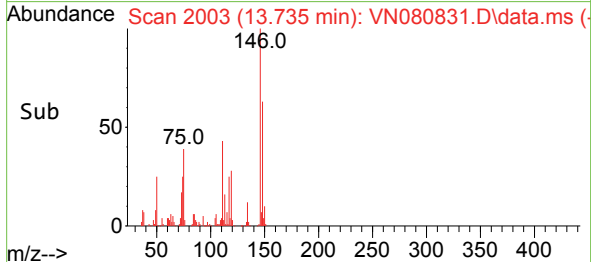
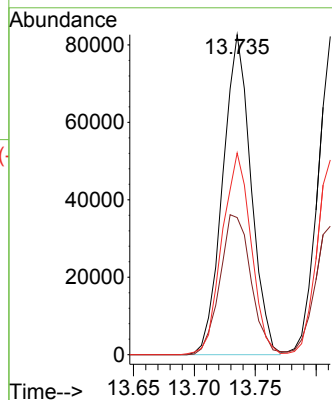
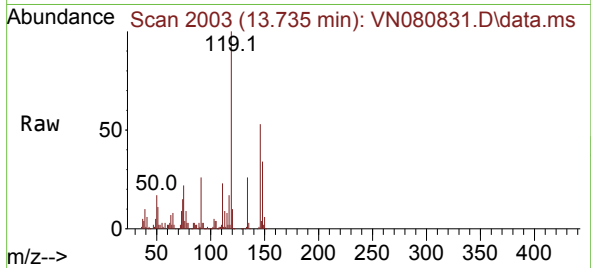




#87  
1,3-Dichlorobenzene  
Concen: 44.662 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

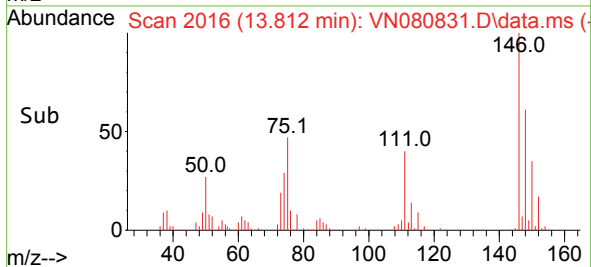
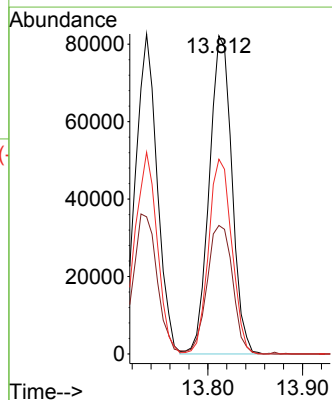
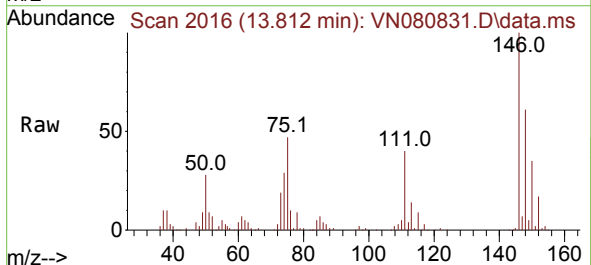
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tgt Ion:146 Resp: 133576  
Ion Ratio Lower Upper  
146 100  
111 48.0 23.9 71.7  
148 64.5 32.6 97.7

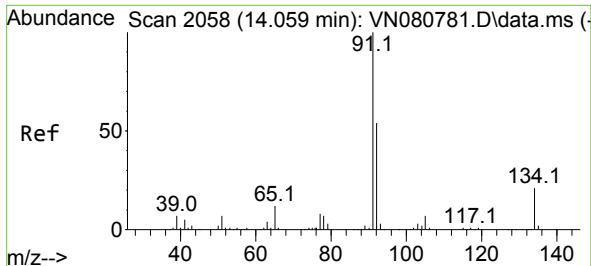


#88  
1,4-Dichlorobenzene  
Concen: 45.535 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion:146 Resp: 136538  
Ion Ratio Lower Upper  
146 100  
111 45.4 22.6 67.7  
148 62.9 31.9 95.5



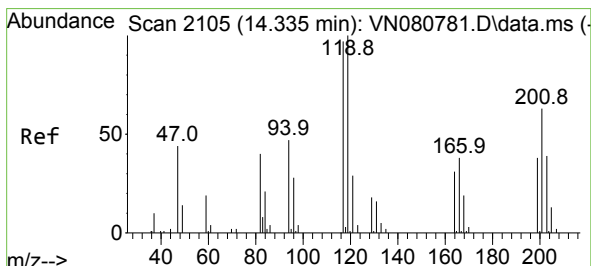
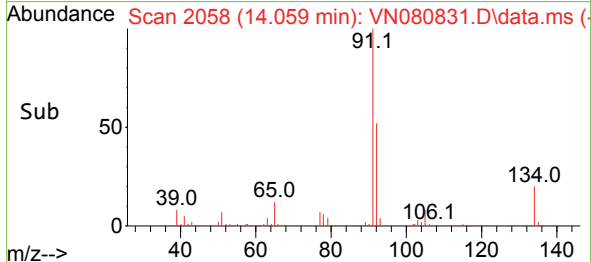
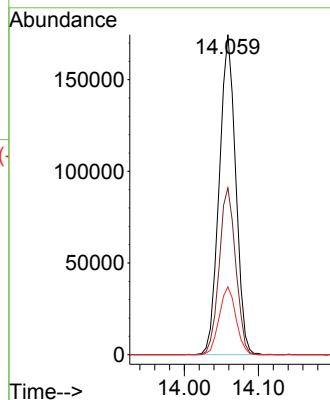
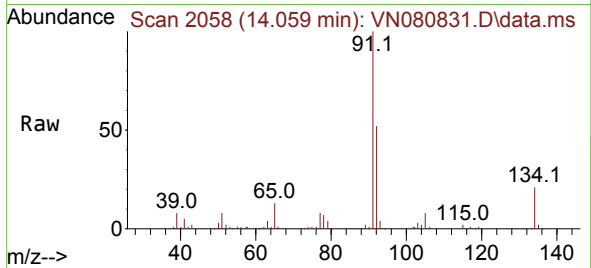




#89  
n-Butylbenzene  
Concen: 48.207 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

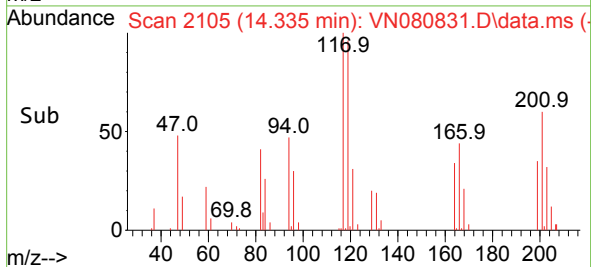
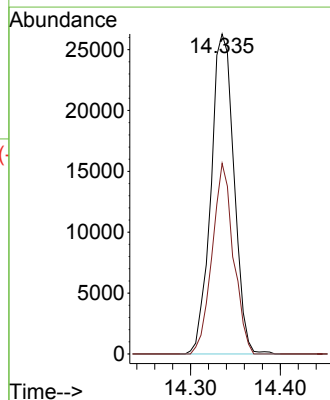
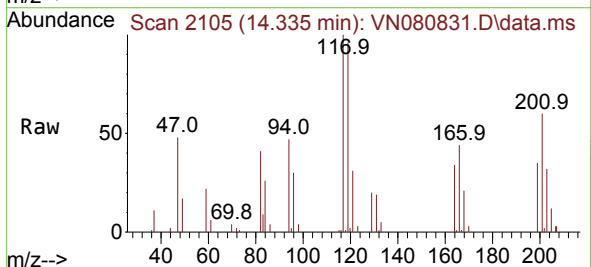
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

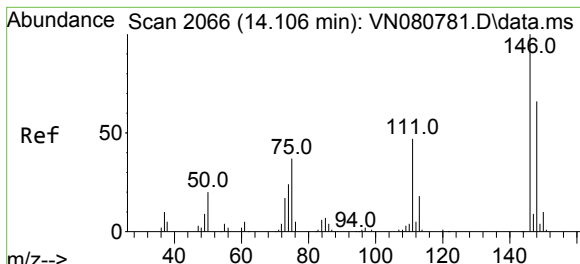
Tgt Ion: 91 Resp: 268877  
Ion Ratio Lower Upper  
91 100  
92 52.2 26.7 80.1  
134 21.6 10.8 32.4



#90  
Hexachloroethane  
Concen: 47.092 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: VN080831.D  
Acq: 31 Jan 2024 11:14

Tgt Ion: 117 Resp: 46965  
Ion Ratio Lower Upper  
117 100  
201 54.9 30.0 90.0

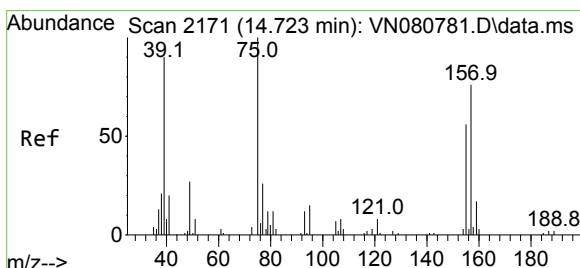
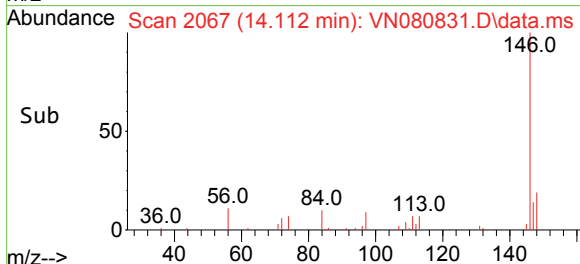
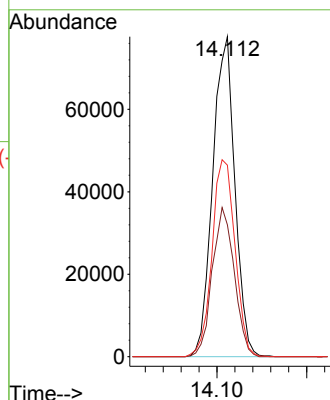
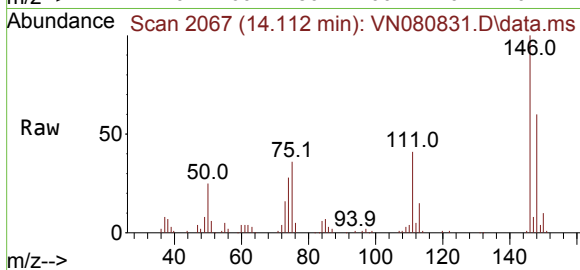




#91  
 1,2-Dichlorobenzene  
 Concen: 48.592 ug/l  
 RT: 14.112 min Scan# 2067  
 Delta R.T. 0.006 min  
 Lab File: VN080831.D  
 Acq: 31 Jan 2024 11:14

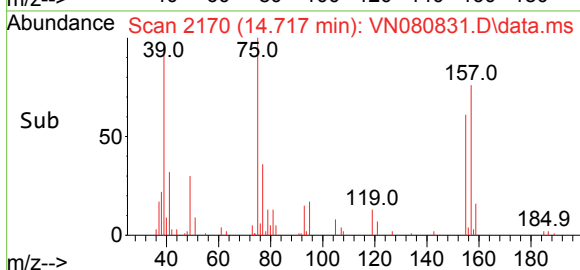
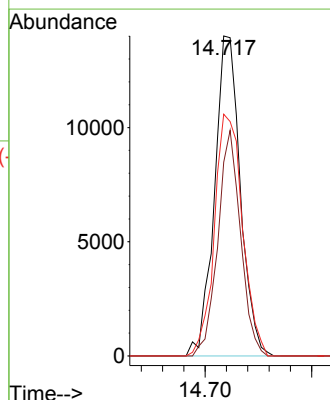
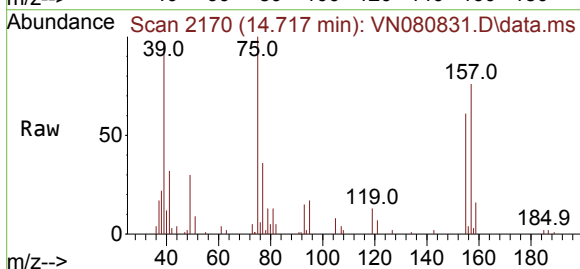
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

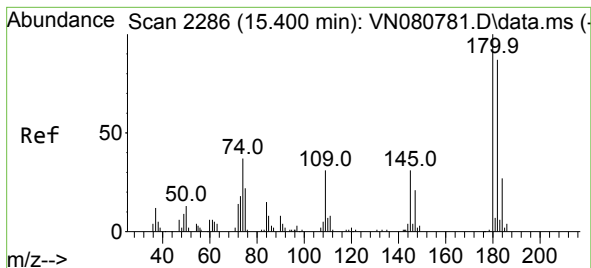
Tgt Ion:146 Resp: 133016  
 Ion Ratio Lower Upper  
 146 100  
 111 46.3 23.9 71.8  
 148 63.9 31.4 94.0



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.788 ug/l  
 RT: 14.717 min Scan# 2170  
 Delta R.T. -0.006 min  
 Lab File: VN080831.D  
 Acq: 31 Jan 2024 11:14

Tgt Ion: 75 Resp: 23549  
 Ion Ratio Lower Upper  
 75 100  
 155 62.0 31.8 95.4  
 157 82.1 41.1 123.4





#93

1,2,4-Trichlorobenzene

Concen: 47.122 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

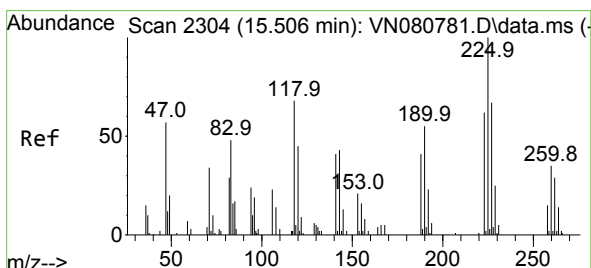
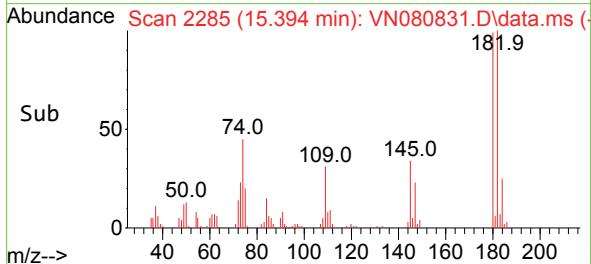
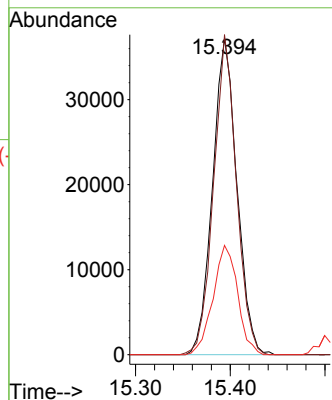
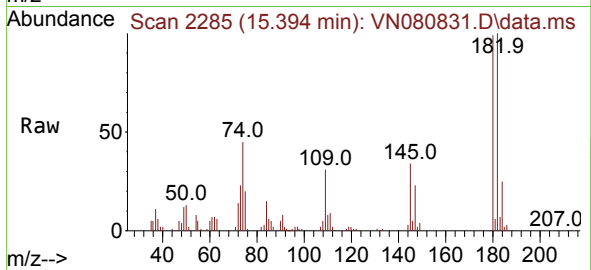
Tgt Ion:180 Resp: 66392

Ion Ratio Lower Upper

180 100

182 94.6 46.6 139.7

145 35.0 16.8 50.3



#94

Hexachlorobutadiene

Concen: 42.701 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.006 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

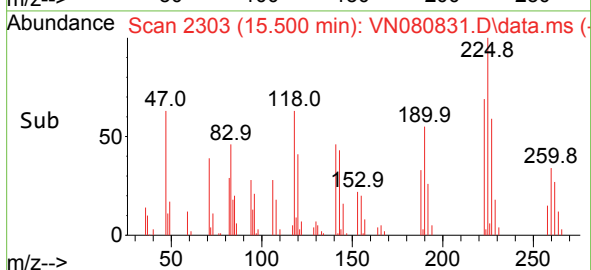
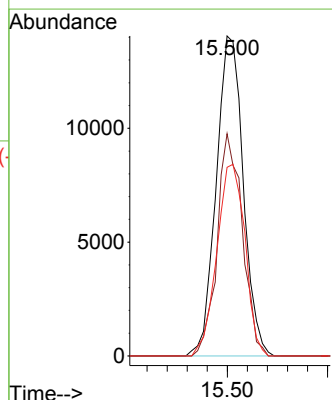
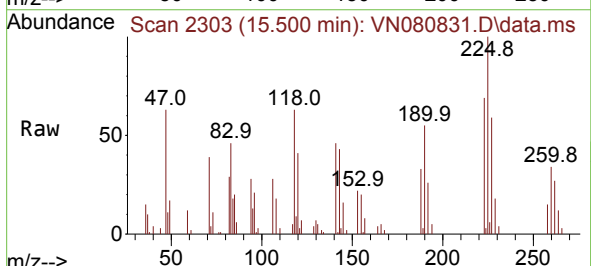
Tgt Ion:225 Resp: 26284

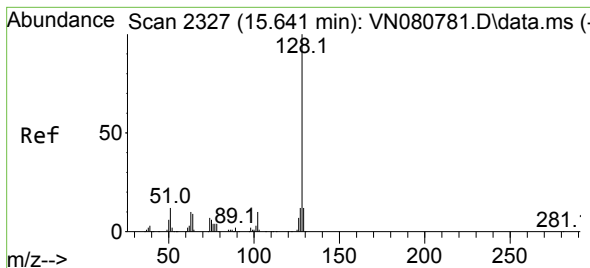
Ion Ratio Lower Upper

225 100

223 64.6 33.3 99.8

227 62.3 33.1 99.2





#95

Naphthalene

Concen: 45.744 ug/l

RT: 15.647 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

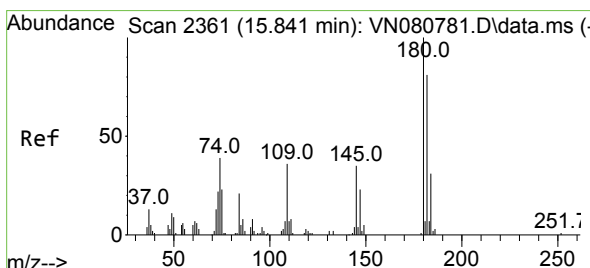
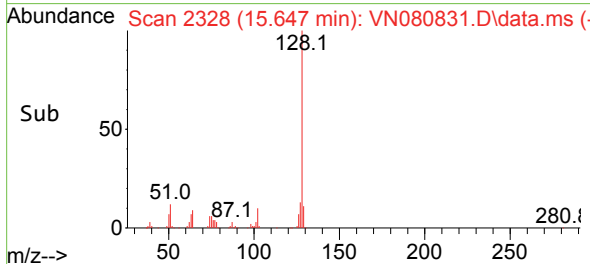
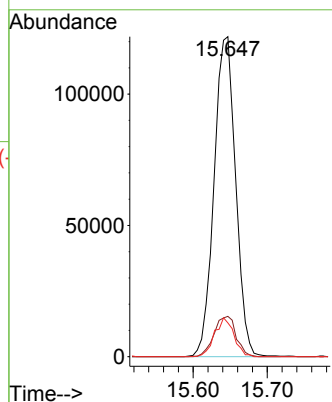
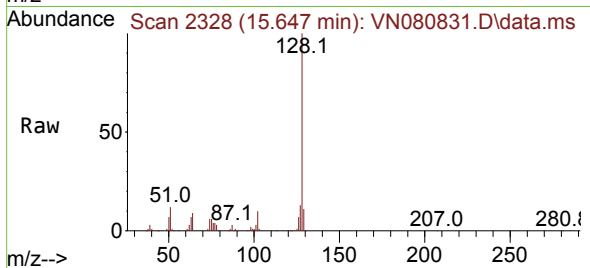
Tgt Ion:128 Resp: 246617

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 45.067 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN080831.D

Acq: 31 Jan 2024 11:14

Tgt Ion:180 Resp: 62412

Ion Ratio Lower Upper

180 100

182 93.2 46.5 139.3

145 37.8 17.8 53.4

