

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071723\  
 Data File : VN078548.D  
 Acq On : 17 Jul 2023 17:28  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jul 18 04:27:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.235  | 168  | 534215   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 796954   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 721518   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 305414   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 311228   | 43.457   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 86.920%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 271842   | 50.248   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 100.500% |
| 50) Toluene-d8              | 10.570 | 98    | 932524   | 45.629   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 91.260%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 301265   | 47.857   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 95.720%  |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.136 | 85  | 251556  | 38.407  | ug/l   | 97  |
| 3) Chloromethane             | 2.371 | 50  | 323408  | 45.429  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.518 | 62  | 403976  | 43.867  | ug/l   | 99  |
| 5) Bromomethane              | 2.942 | 94  | 249285  | 42.001  | ug/l   | 99  |
| 6) Chloroethane              | 3.112 | 64  | 236867  | 42.221  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.500 | 101 | 451806  | 41.042  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.971 | 74  | 157224  | 42.867  | ug/l   | 79  |
| 9) 1,1,2-Trichlorotrifluo... | 4.377 | 101 | 249510  | 42.816  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.594 | 142 | 342978  | 42.830  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.541 | 59  | 240162  | 217.467 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 4.353 | 96  | 232868  | 41.311  | ug/l   | 98  |
| 13) Acrolein                 | 4.189 | 56  | 231817  | 213.353 | ug/l   | 98  |
| 14) Allyl chloride           | 5.030 | 41  | 313699  | 40.727  | ug/l   | 95  |
| 15) Acrylonitrile            | 5.736 | 53  | 627228  | 224.789 | ug/l   | 100 |
| 16) Acetone                  | 4.441 | 43  | 477199  | 213.906 | ug/l   | 100 |
| 17) Carbon Disulfide         | 4.718 | 76  | 583542  | 35.800  | ug/l   | 99  |
| 18) Methyl Acetate           | 5.041 | 43  | 411562  | 43.580  | ug/l   | 90  |
| 19) Methyl tert-butyl Ether  | 5.806 | 73  | 812389  | 43.741  | ug/l   | 97  |
| 20) Methylene Chloride       | 5.289 | 84  | 287172  | 44.749  | ug/l   | 94  |
| 21) trans-1,2-Dichloroethene | 5.794 | 96  | 268213  | 42.224  | ug/l   | 89  |
| 22) Diisopropyl ether        | 6.683 | 45  | 787625  | 45.667  | ug/l   | 94  |
| 23) Vinyl Acetate            | 6.618 | 43  | 2446083 | 223.089 | ug/l # | 90  |
| 24) 1,1-Dichloroethane       | 6.577 | 63  | 498066  | 42.857  | ug/l   | 97  |
| 25) 2-Butanone               | 7.494 | 43  | 791083  | 225.270 | ug/l   | 88  |
| 26) 2,2-Dichloropropane      | 7.494 | 77  | 420236  | 44.211  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.494 | 96  | 325525  | 44.299  | ug/l   | 94  |
| 28) Bromochloromethane       | 7.824 | 49  | 210546  | 38.464  | ug/l   | 96  |
| 29) Tetrahydrofuran          | 7.847 | 42  | 514212  | 223.157 | ug/l   | 85  |
| 30) Chloroform               | 7.977 | 83  | 547178  | 45.224  | ug/l   | 95  |
| 31) Cyclohexane              | 8.259 | 56  | 412614  | 42.631  | ug/l   | 89  |
| 32) 1,1,1-Trichloroethane    | 8.177 | 97  | 522297  | 48.147  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.377 | 75  | 421992  | 54.022  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.571 | 43  | 339381  | 52.118  | ug/l # | 93  |
| 38) Carbon Tetrachloride     | 8.371 | 117 | 465870  | 54.874  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.606 | 83  | 365213  | 51.220  | ug/l   | 93  |
| 40) Benzene                  | 8.612 | 78  | 1251072 | 54.060  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jul 18 04:27:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 170694   | 51.420   | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 429303   | 54.539   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.700  | 43   | 602787   | 56.225   | ug/l   | 95       |
| 44) Trichloroethene           | 9.359  | 130  | 304228   | 48.776   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.629  | 63   | 305989   | 52.205   | ug/l   | 99       |
| 46) Dibromomethane            | 9.718  | 93   | 210368   | 50.994   | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.894  | 83   | 433958   | 52.476   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.688  | 41   | 264379   | 53.228   | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.706  | 88   | 113009   | 1043.307 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43   | 1733101  | 271.778  | ug/l   | 93       |
| 52) Toluene                   | 10.635 | 92   | 743375   | 51.828   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 445931   | 52.636   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 483209   | 53.508   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.023 | 97   | 302265   | 53.488   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 434011   | 54.941   | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 11.170 | 76   | 494264   | 51.440   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 772114   | 274.267  | ug/l   | 93       |
| 59) 2-Hexanone                | 11.200 | 43   | 1227721  | 270.892  | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.365 | 129  | 330746   | 53.015   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.476 | 107  | 301757   | 51.836   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.112 | 164  | 268148   | 49.432   | ug/l   | 94       |
| 65) Chlorobenzene             | 11.900 | 112  | 797011   | 49.419   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 313180   | 50.478   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.970 | 91   | 1406451  | 51.592   | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.076 | 106  | 1065109  | 105.674  | ug/l   | 96       |
| 69) o-Xylene                  | 12.406 | 106  | 519114   | 50.991   | ug/l   | 97       |
| 70) Styrene                   | 12.417 | 104  | 861511   | 54.091   | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 220958   | 52.585   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.700 | 105  | 1320562  | 46.016   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.500 | 43   | 446314   | 45.128   | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 429195   | 53.780   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 514173   | 69.650   | ug/l   | 68       |
| 77) Bromobenzene              | 12.988 | 156  | 308489   | 49.412   | ug/l   | 97       |
| 78) n-propylbenzene           | 13.041 | 91   | 1485096  | 48.389   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 934428   | 46.482   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 1084979  | 47.849   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 144908   | 51.582   | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 13.229 | 91   | 881230   | 46.990   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.447 | 119  | 896273   | 46.557   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 1086121  | 49.313   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.623 | 105  | 1160804  | 47.704   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 952296   | 48.738   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146  | 536983   | 48.741   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146  | 511764   | 46.118   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.064 | 91   | 733102   | 52.438   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.341 | 117  | 179223   | 49.904   | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 14.111 | 146  | 519218   | 47.357   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.729 | 75   | 66752    | 48.530   | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 168606   | 48.185   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.505 | 225  | 92647    | 51.288   | ug/l   | 99       |
| 95) Naphthalene               | 15.647 | 128  | 503345   | 42.077   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 182195   | 45.283   | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

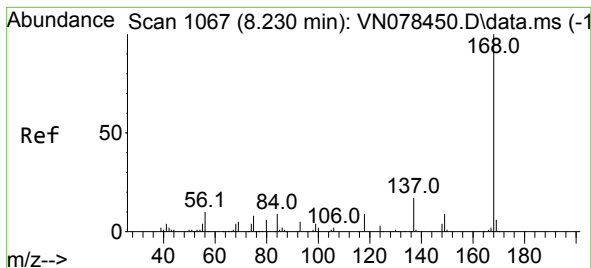
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Jul 18 04:27:38 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 10 16:13:53 2023  
Response via : Initial Calibration

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

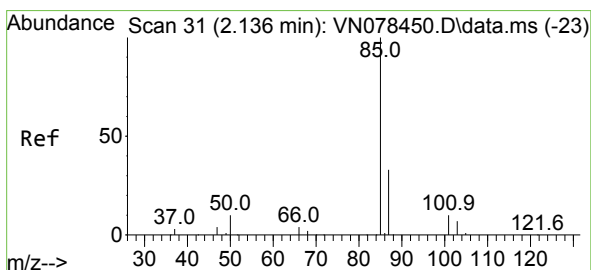
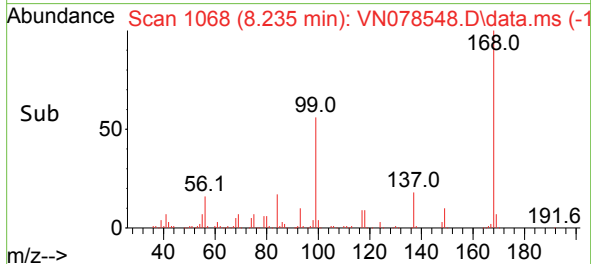
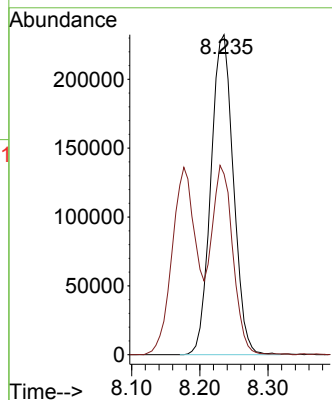
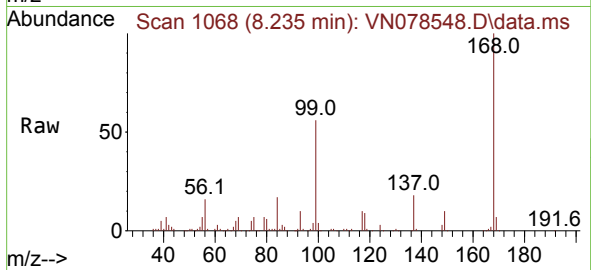
VSTDCCC050EC

Tgt Ion:168 Resp: 534215

Ion Ratio Lower Upper

168 100

99 56.3 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 38.407 ug/l

RT: 2.136 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN078548.D

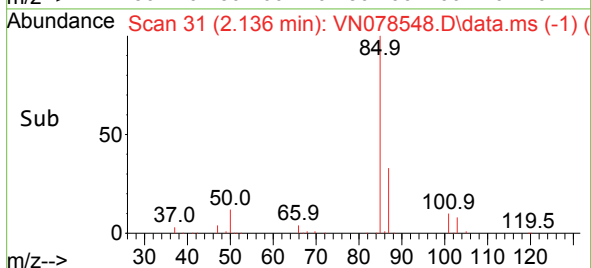
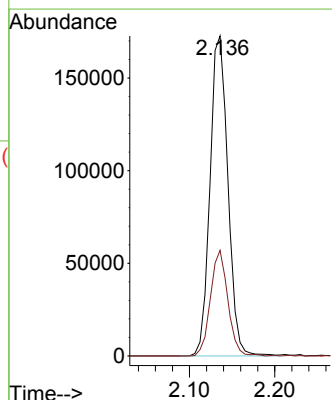
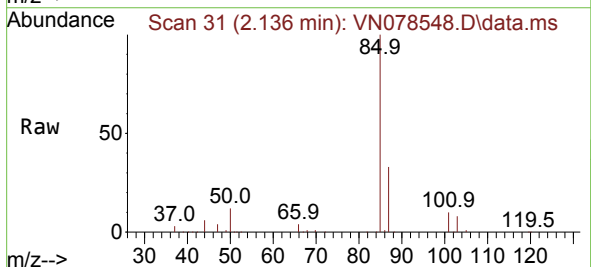
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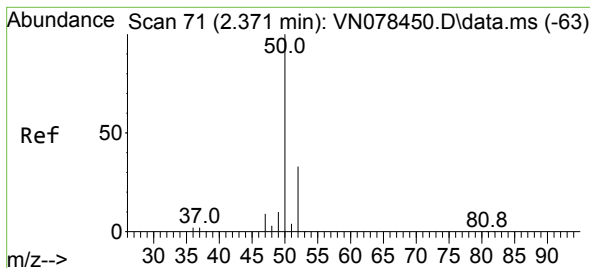
Tgt Ion: 85 Resp: 251556

Ion Ratio Lower Upper

85 100

87 33.0 15.8 47.4





#3

Chloromethane

Concen: 45.429 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

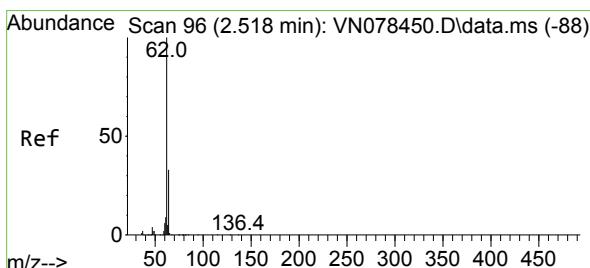
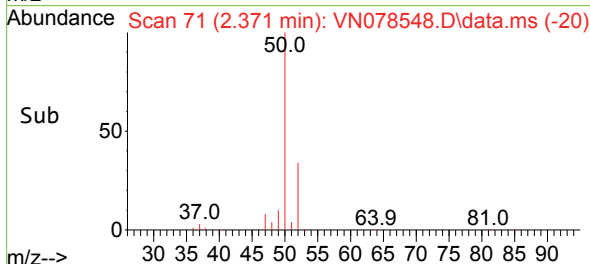
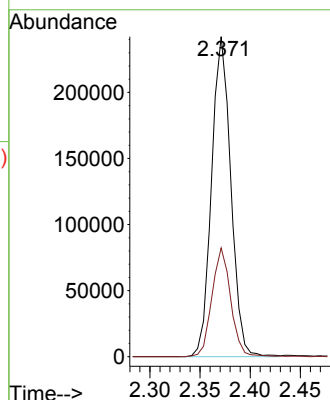
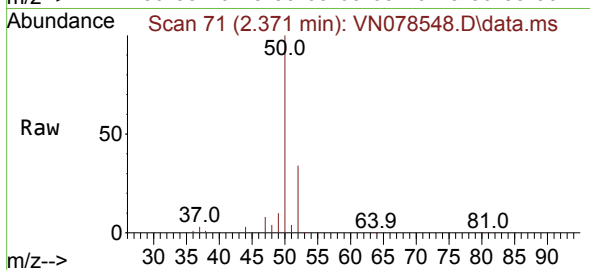
VSTDCCC050EC

Tgt Ion: 50 Resp: 323408

Ion Ratio Lower Upper

50 100

52 34.0 26.5 39.7



#4

Vinyl Chloride

Concen: 43.867 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.000 min

Lab File: VN078548.D

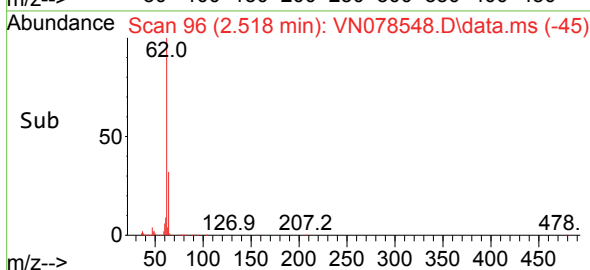
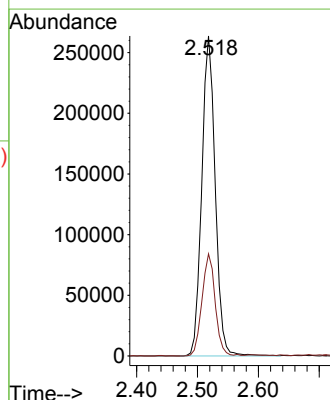
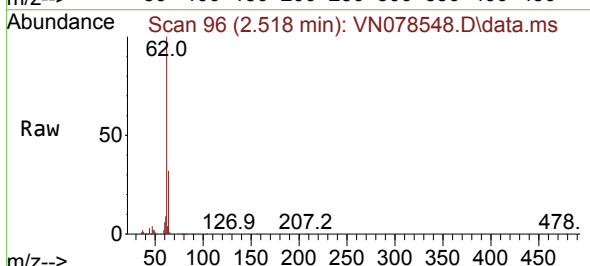
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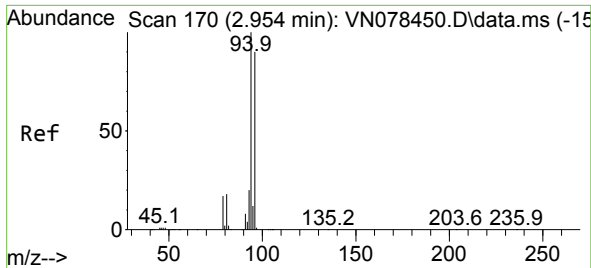
Tgt Ion: 62 Resp: 403976

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2

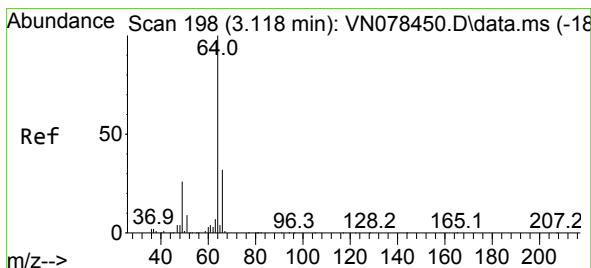
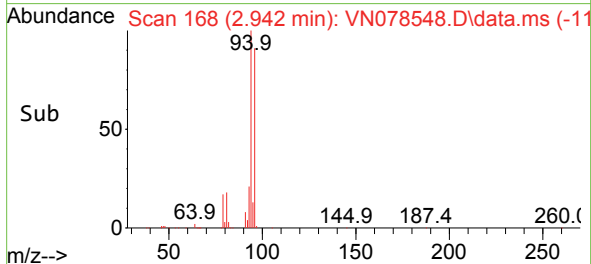
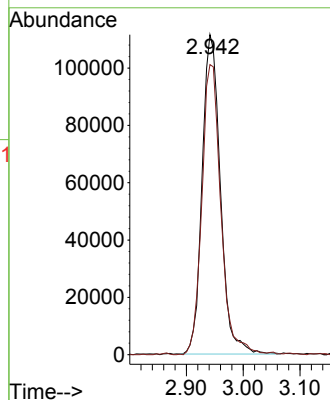
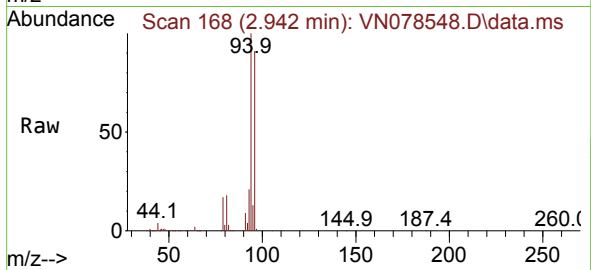




#5  
Bromomethane  
Concen: 42.001 ug/l  
RT: 2.942 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

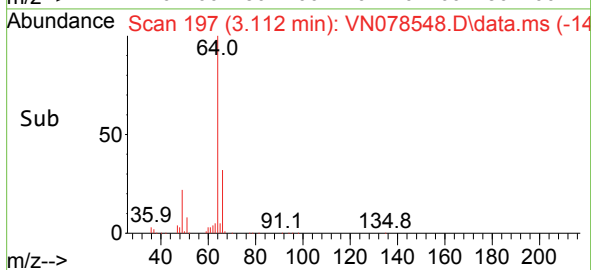
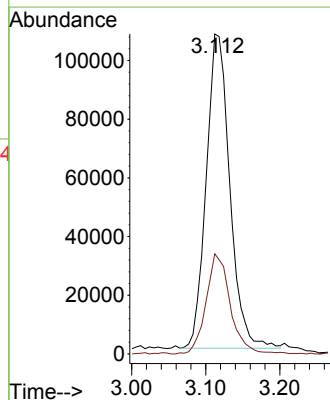
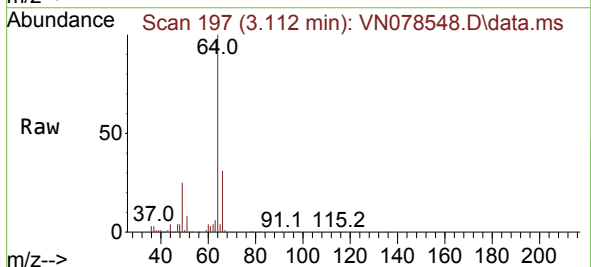
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

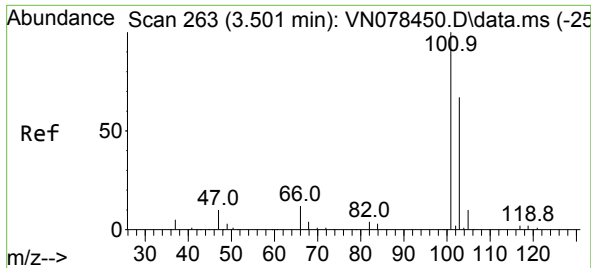
Tgt Ion: 94 Resp: 249285  
Ion Ratio Lower Upper  
94 100  
96 90.7 73.1 109.7



#6  
Chloroethane  
Concen: 42.221 ug/l  
RT: 3.112 min Scan# 197  
Delta R.T. -0.006 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 64 Resp: 236867  
Ion Ratio Lower Upper  
64 100  
66 31.5 25.4 38.2

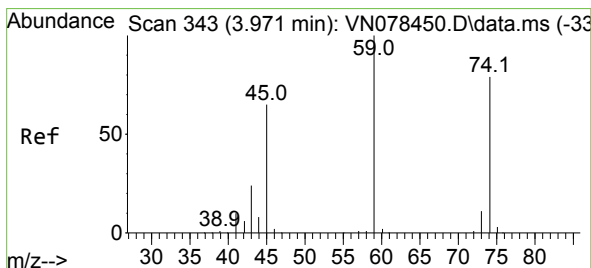
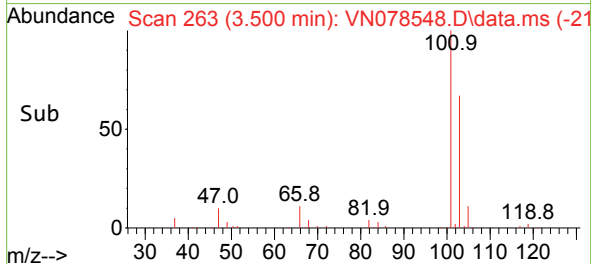
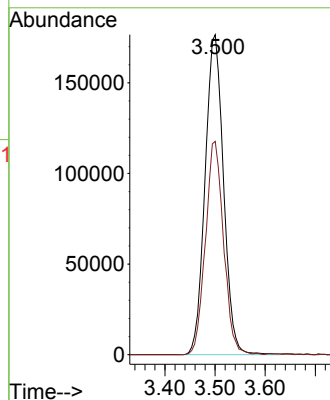
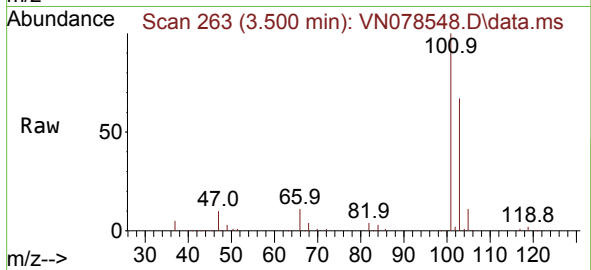




#7  
Trichlorofluoromethane  
Concen: 41.042 ug/l  
RT: 3.500 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

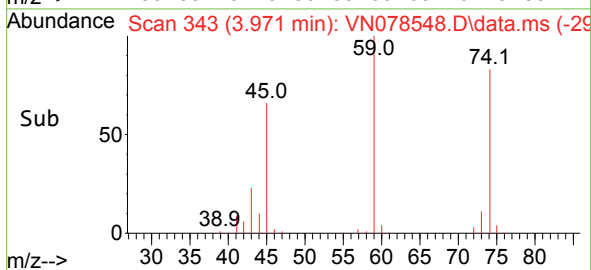
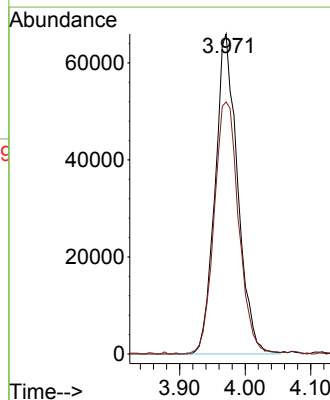
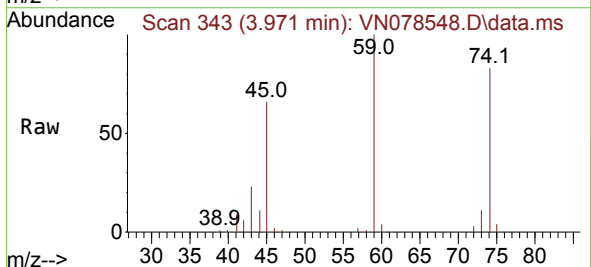
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 451806  
Ion Ratio Lower Upper  
101 100  
103 66.7 50.7 76.1

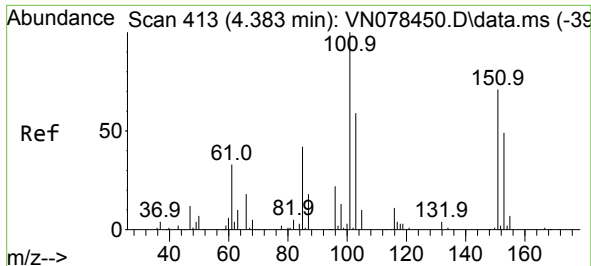


#8  
Diethyl Ether  
Concen: 42.867 ug/l  
RT: 3.971 min Scan# 343  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 74 Resp: 157224  
Ion Ratio Lower Upper  
74 100  
45 86.0 34.4 103.3



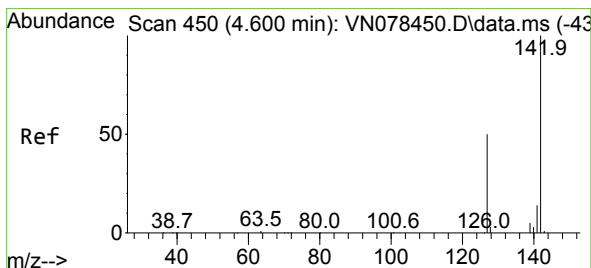
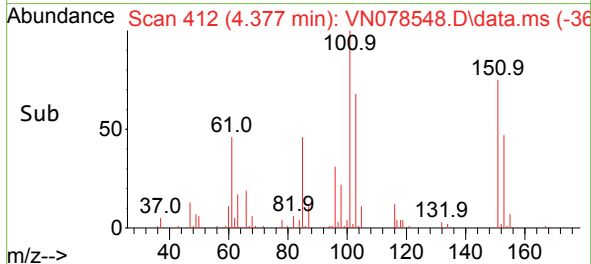
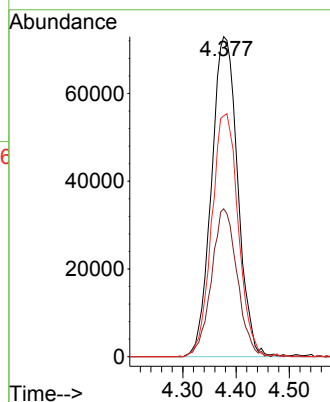
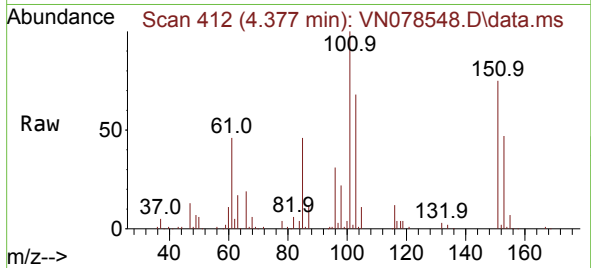




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 42.816 ug/l  
RT: 4.377 min Scan# 413  
Delta R.T. -0.006 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

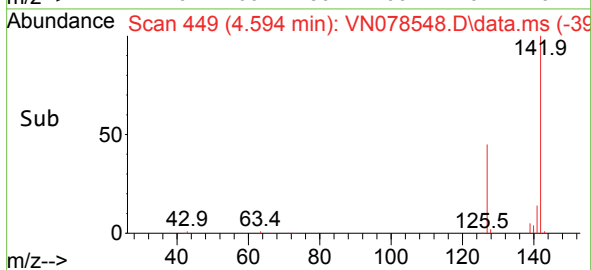
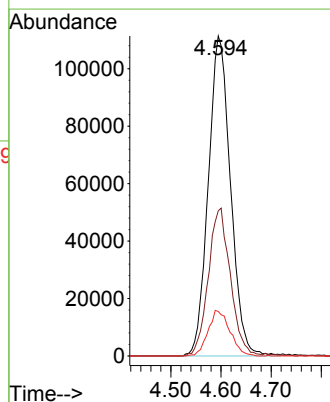
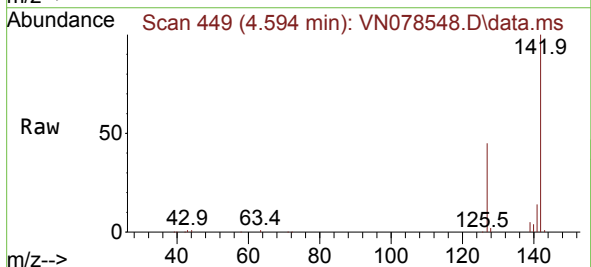
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

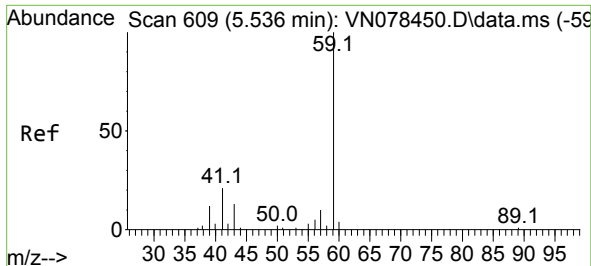
Tgt Ion:101 Resp: 249510  
Ion Ratio Lower Upper  
101 100  
85 45.5 36.6 55.0  
151 76.6 57.6 86.4



#10  
Methyl Iodide  
Concen: 42.830 ug/l  
RT: 4.594 min Scan# 449  
Delta R.T. -0.006 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion:142 Resp: 342978  
Ion Ratio Lower Upper  
142 100  
127 45.4 37.6 56.4  
141 13.9 11.4 17.0

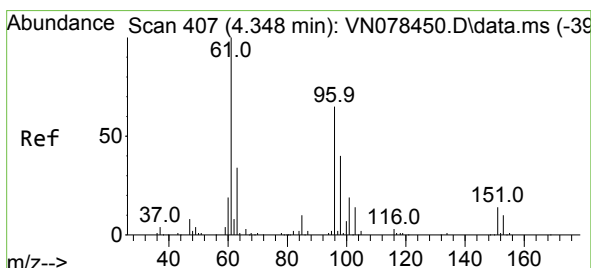
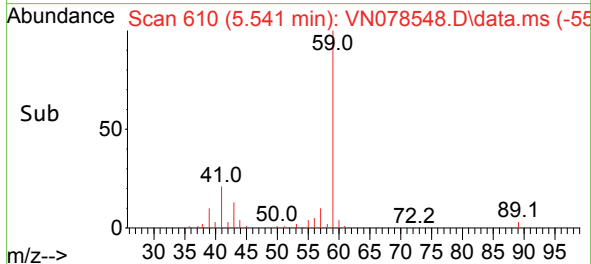
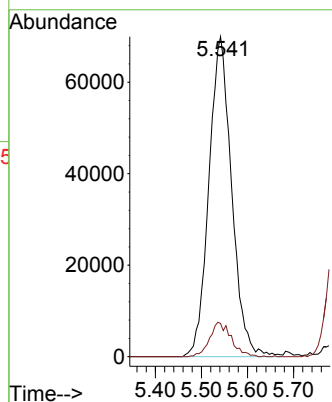
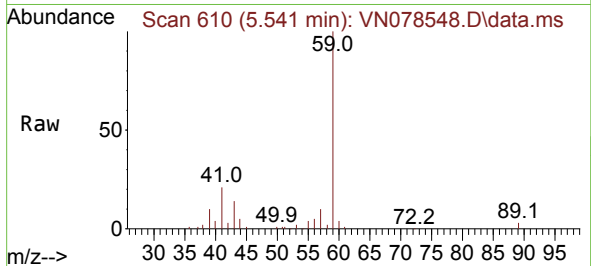




#11  
Tert butyl alcohol  
Concen: 217.467 ug/l  
RT: 5.541 min Scan# 610  
Delta R.T. 0.005 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

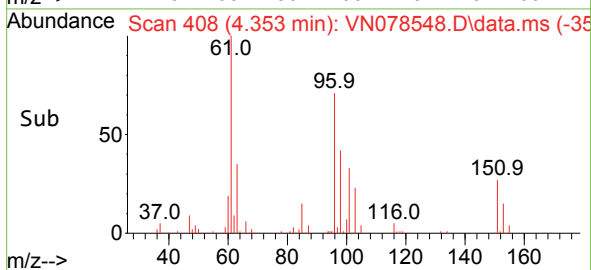
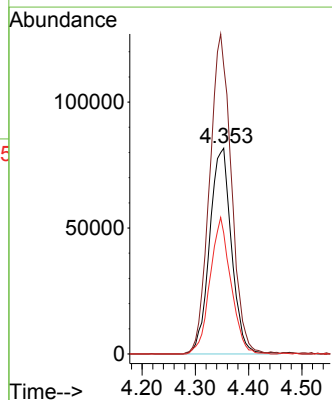
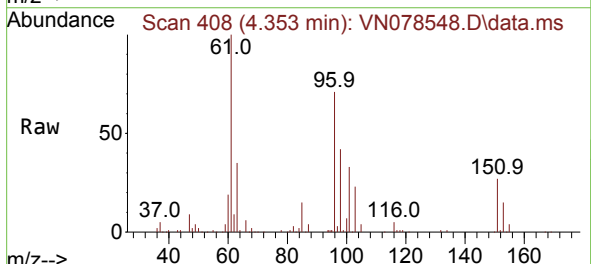
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

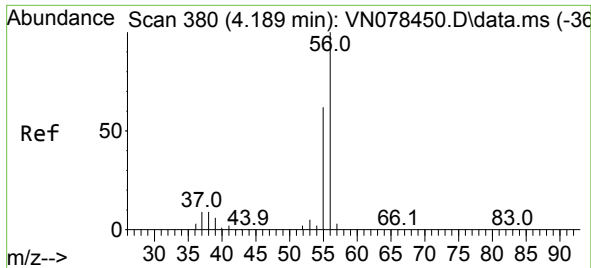
Tgt Ion: 59 Resp: 240162  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 41.311 ug/l  
RT: 4.353 min Scan# 408  
Delta R.T. 0.005 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 96 Resp: 232868  
Ion Ratio Lower Upper  
96 100  
61 140.1 112.7 169.1  
98 58.8 51.2 76.8

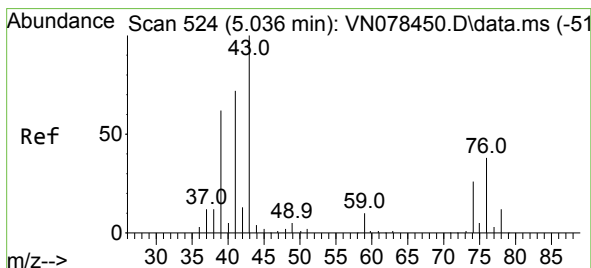
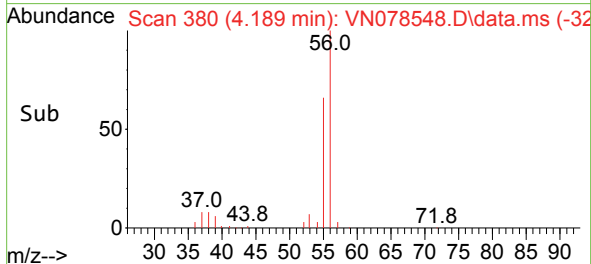
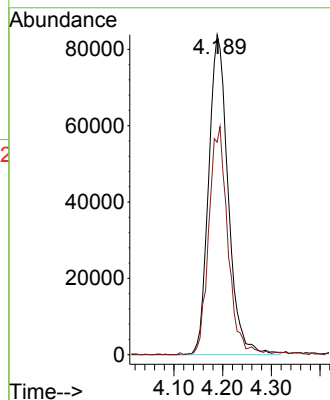
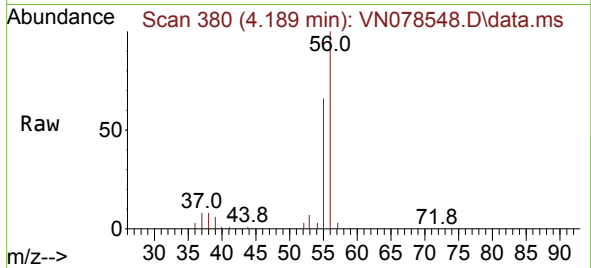




#13  
Acrolein  
Concen: 213.353 ug/l  
RT: 4.189 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

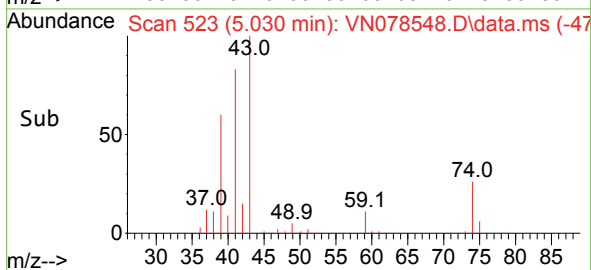
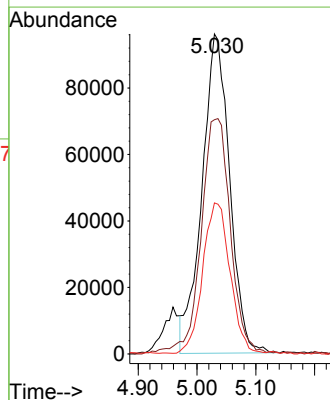
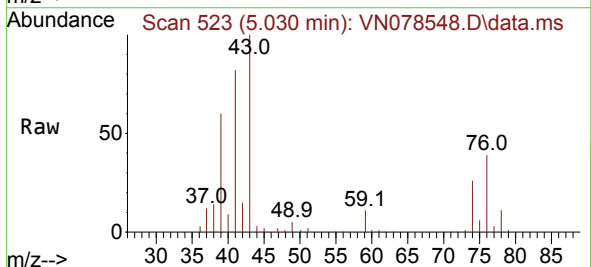
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

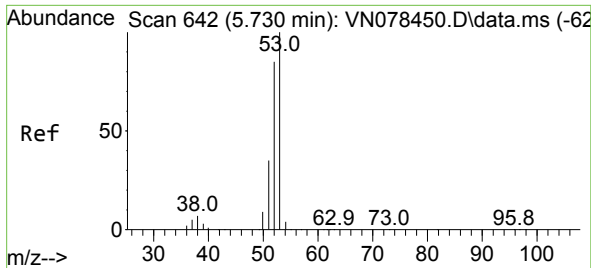
Tgt Ion: 56 Resp: 231817  
Ion Ratio Lower Upper  
56 100  
55 69.4 54.5 81.7



#14  
Allyl chloride  
Concen: 40.727 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. -0.006 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 41 Resp: 313699  
Ion Ratio Lower Upper  
41 100  
39 78.4 58.8 88.2  
76 46.4 39.1 58.7

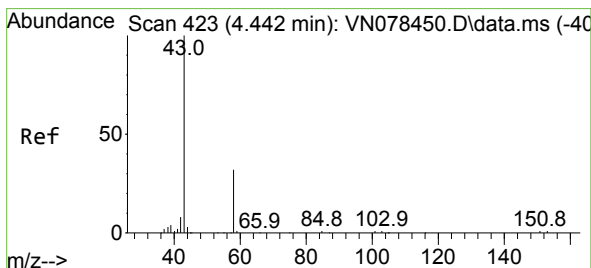
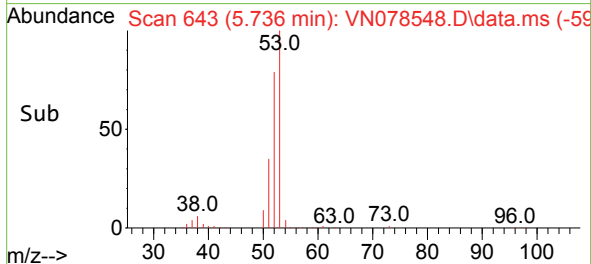
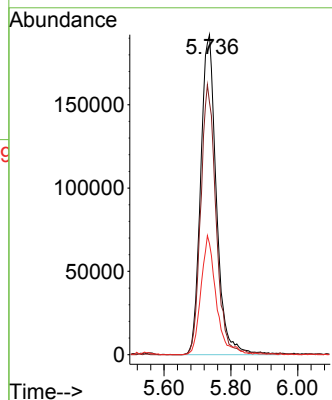
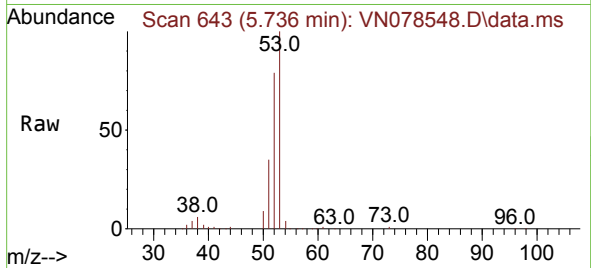




#15  
Acrylonitrile  
Concen: 224.789 ug/l  
RT: 5.736 min Scan# 642  
Delta R.T. 0.006 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

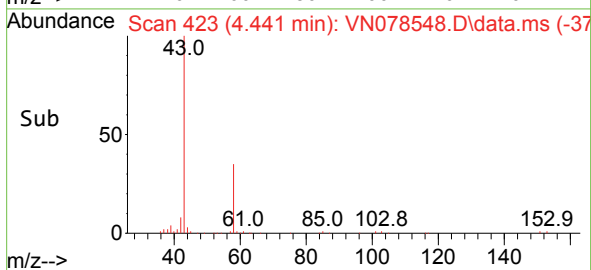
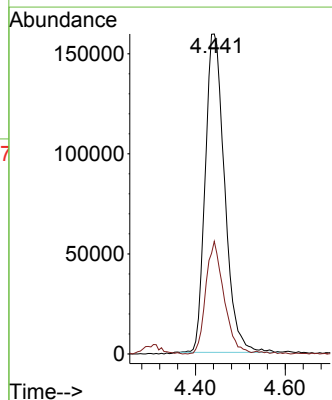
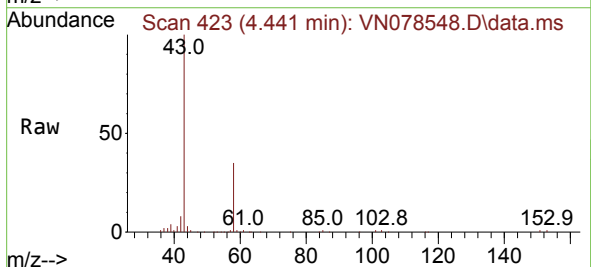
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

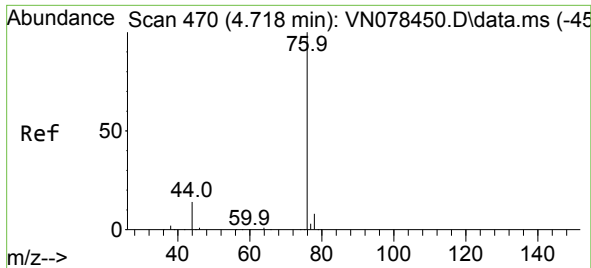
Tgt Ion: 53 Resp: 627228  
Ion Ratio Lower Upper  
53 100  
52 82.0 65.3 97.9  
51 36.2 28.9 43.3



#16  
Acetone  
Concen: 213.906 ug/l  
RT: 4.441 min Scan# 423  
Delta R.T. -0.001 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 43 Resp: 477199  
Ion Ratio Lower Upper  
43 100  
58 35.2 28.0 42.0

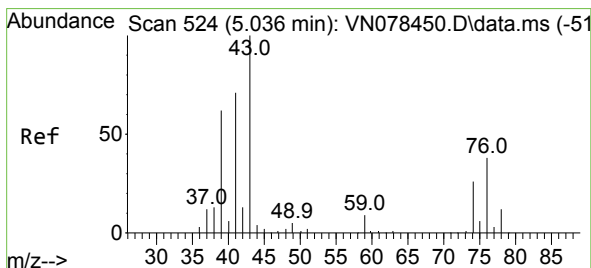
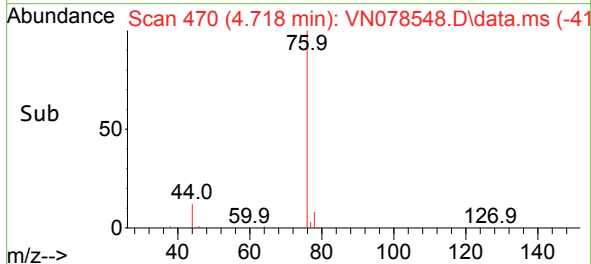
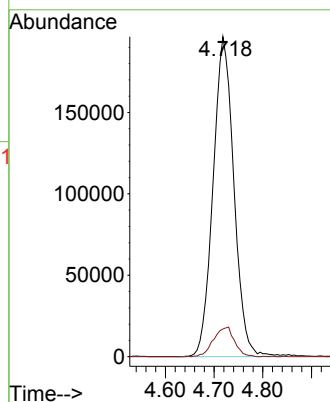
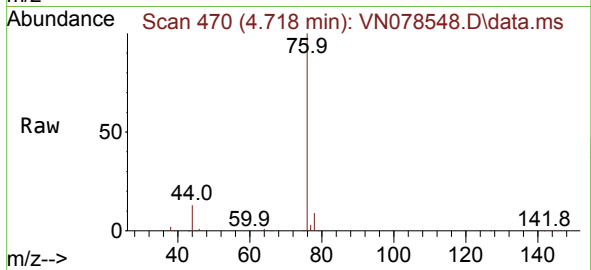




#17  
Carbon Disulfide  
Concen: 35.800 ug/l  
RT: 4.718 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

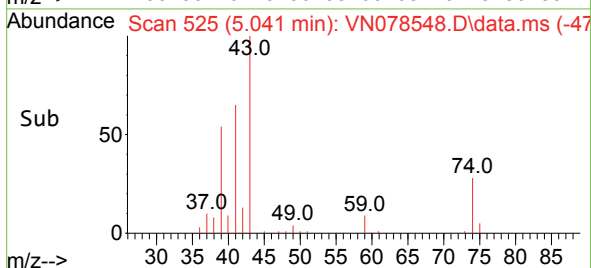
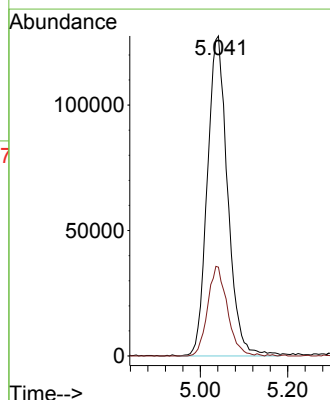
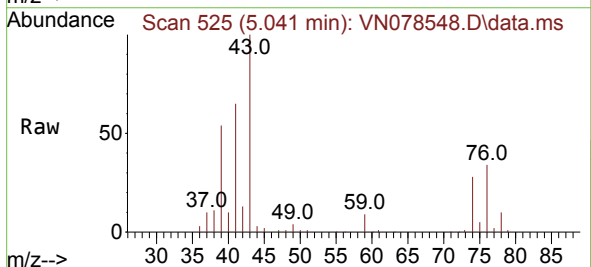
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

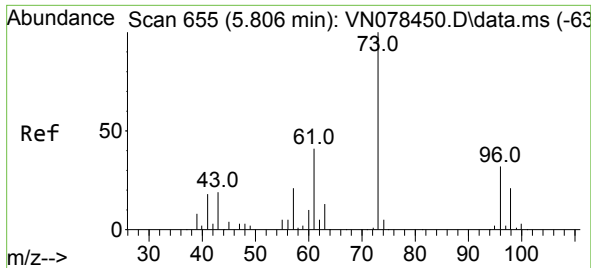
Tgt Ion: 76 Resp: 583542  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.4 11.0



#18  
Methyl Acetate  
Concen: 43.580 ug/l  
RT: 5.041 min Scan# 525  
Delta R.T. 0.005 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 43 Resp: 411562  
Ion Ratio Lower Upper  
43 100  
74 27.2 26.2 39.4

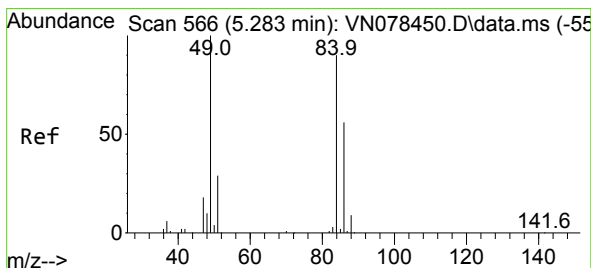
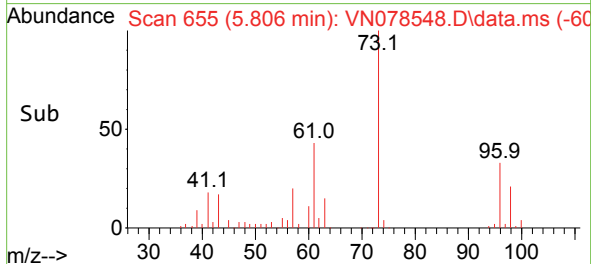
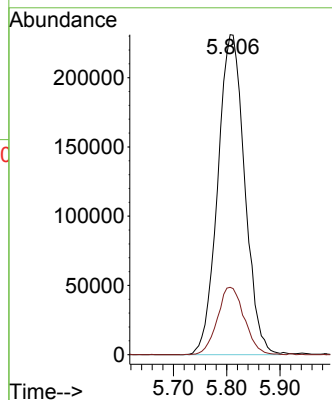
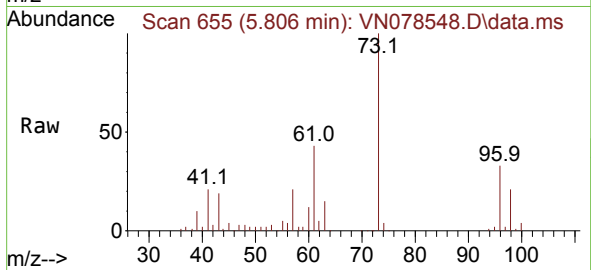




#19  
Methyl tert-butyl Ether  
Concen: 43.741 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

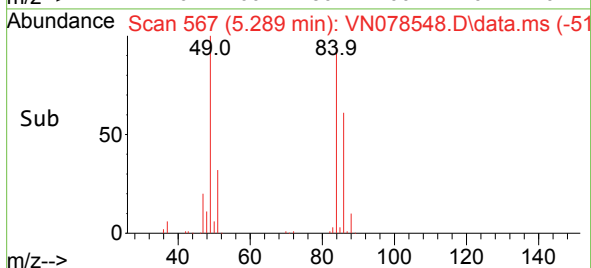
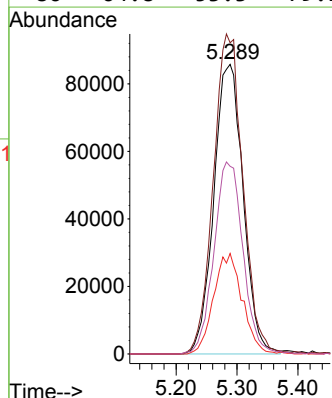
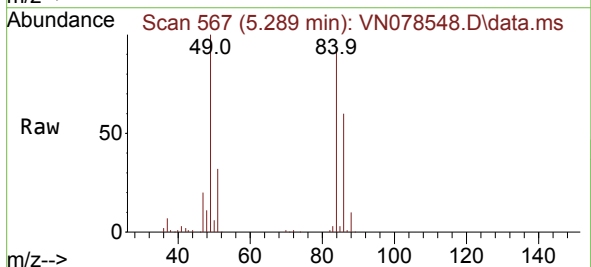
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

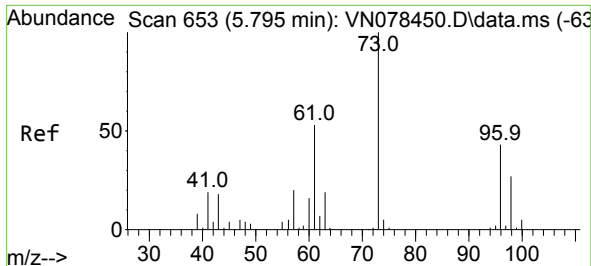
Tgt Ion: 73 Resp: 812389  
Ion Ratio Lower Upper  
73 100  
57 21.1 15.6 23.4



#20  
Methylene Chloride  
Concen: 44.749 ug/l  
RT: 5.289 min Scan# 567  
Delta R.T. 0.005 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 84 Resp: 287172  
Ion Ratio Lower Upper  
84 100  
49 107.4 79.7 119.5  
51 34.7 25.2 37.8  
86 64.8 53.3 79.9

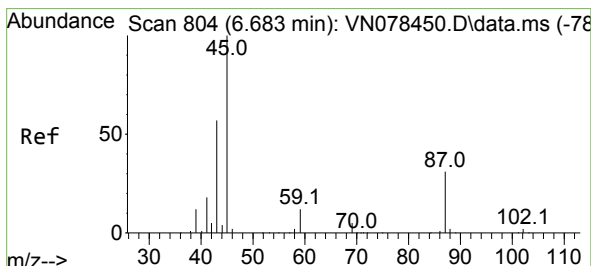
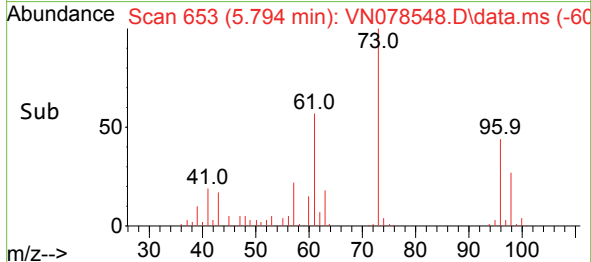
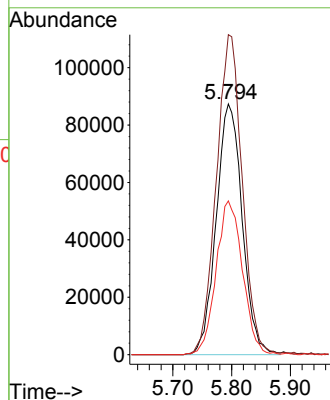
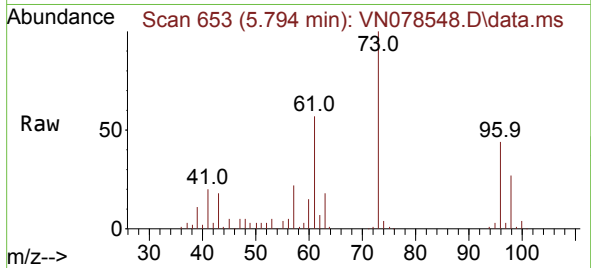




#21  
trans-1,2-Dichloroethene  
Concen: 42.224 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

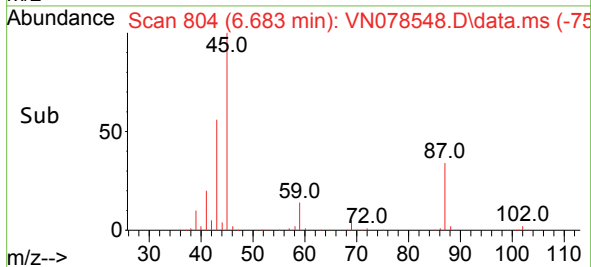
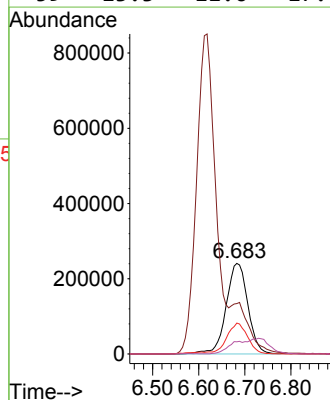
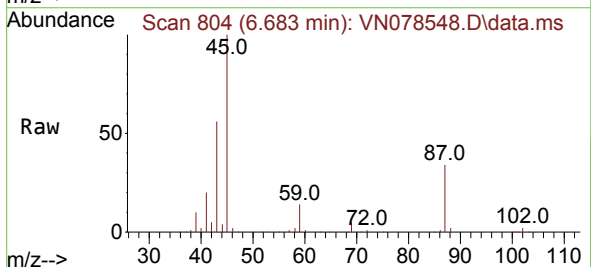
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

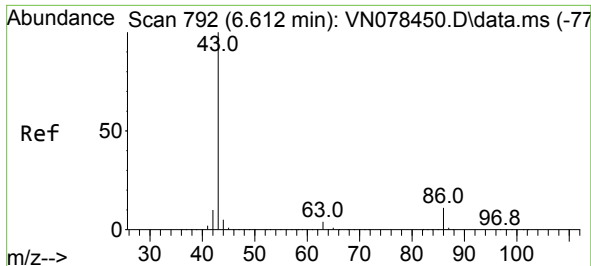
Tgt Ion: 96 Resp: 268213  
Ion Ratio Lower Upper  
96 100  
61 127.6 90.1 135.1  
98 61.3 46.4 69.6



#22  
Diisopropyl ether  
Concen: 45.667 ug/l  
RT: 6.683 min Scan# 804  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 45 Resp: 787625  
Ion Ratio Lower Upper  
45 100  
43 53.9 45.5 68.3  
87 34.0 31.8 47.8  
59 13.3 11.6 17.4

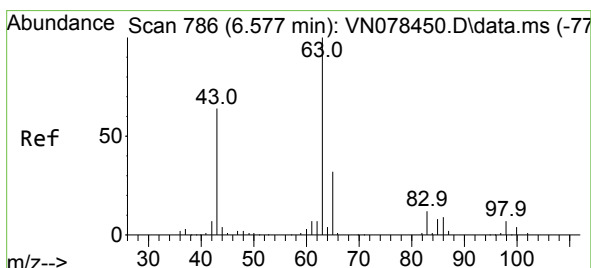
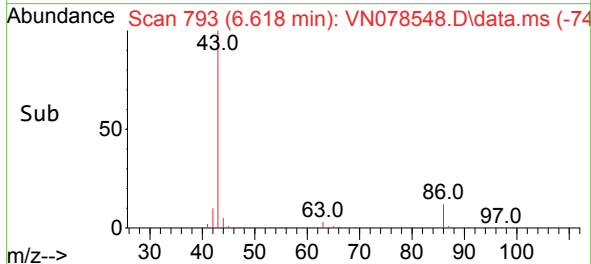
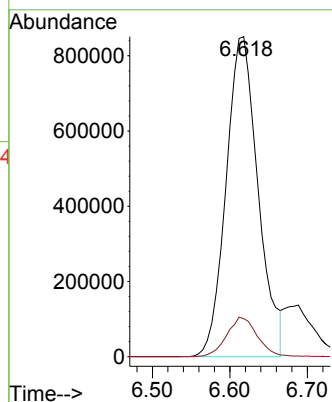
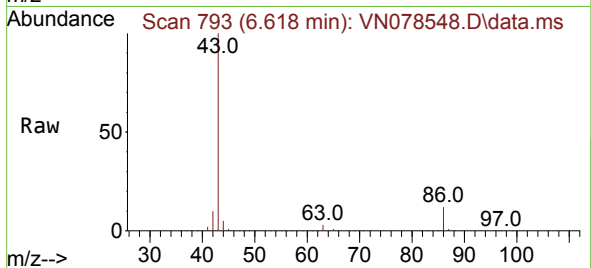




#23  
 Vinyl Acetate  
 Concen: 223.089 ug/l  
 RT: 6.618 min Scan# 792  
 Delta R.T. 0.006 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

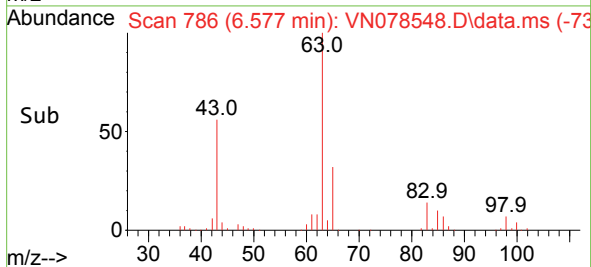
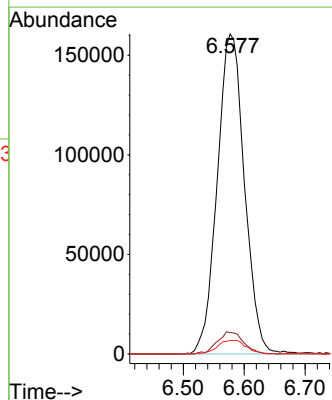
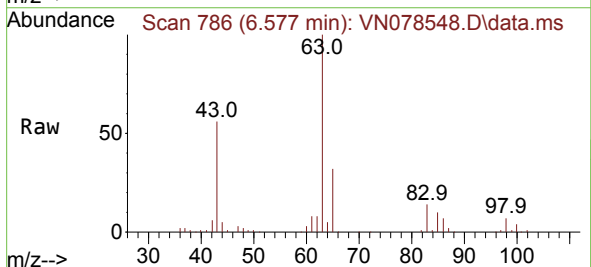
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 2446083  
 Ion Ratio Lower Upper  
 43 100  
 86 11.9 13.0 19.6#

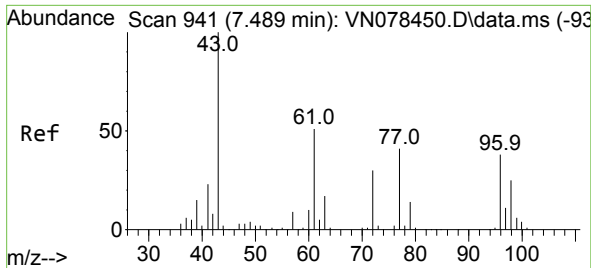


#24  
 1,1-Dichloroethane  
 Concen: 42.857 ug/l  
 RT: 6.577 min Scan# 786  
 Delta R.T. -0.000 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

Tgt Ion: 63 Resp: 498066  
 Ion Ratio Lower Upper  
 63 100  
 98 6.7 3.9 11.7  
 100 4.3 2.5 7.4



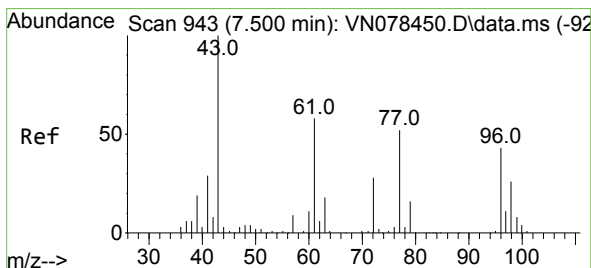
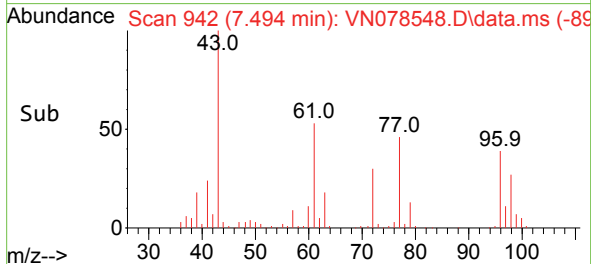
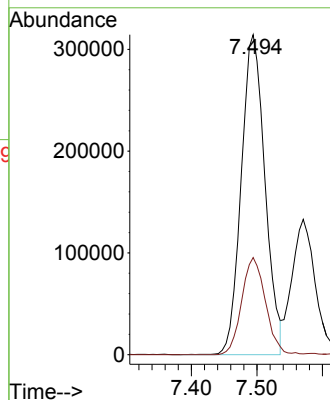
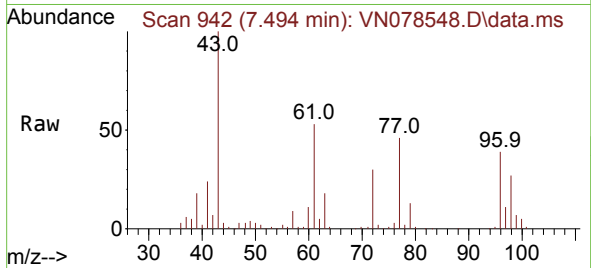




#25  
2-Butanone  
Concen: 225.270 ug/l  
RT: 7.494 min Scan# 941  
Delta R.T. 0.005 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

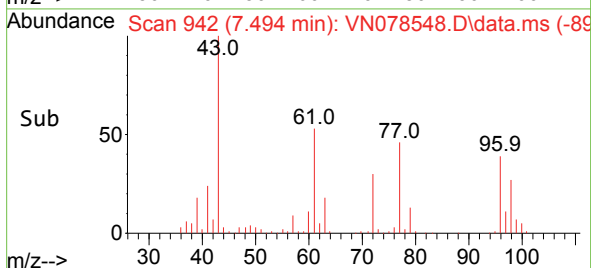
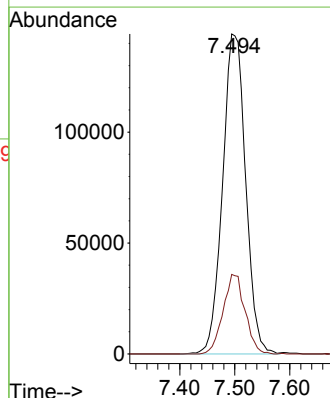
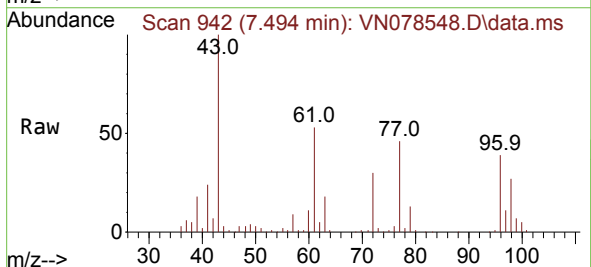
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

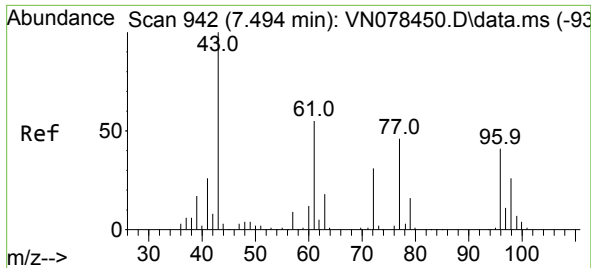
Tgt Ion: 43 Resp: 791083  
Ion Ratio Lower Upper  
43 100  
72 30.4 30.2 45.2



#26  
2,2-Dichloropropane  
Concen: 44.211 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. -0.006 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 77 Resp: 420236  
Ion Ratio Lower Upper  
77 100  
97 23.6 11.2 33.6

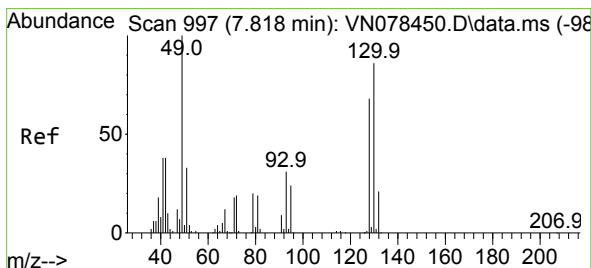
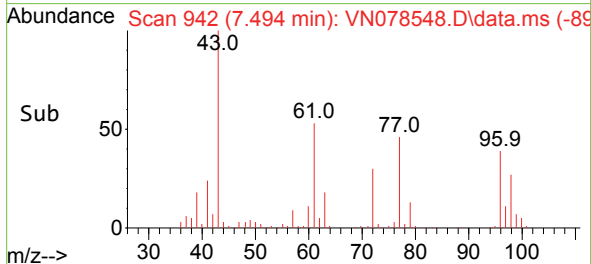
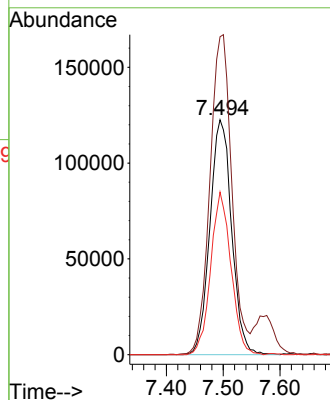
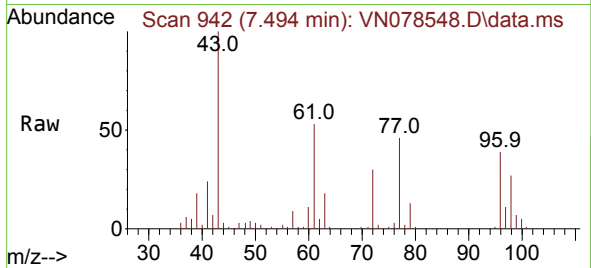




#27  
 cis-1,2-Dichloroethene  
 Concen: 44.299 ug/l  
 RT: 7.494 min Scan# 942  
 Delta R.T. 0.000 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

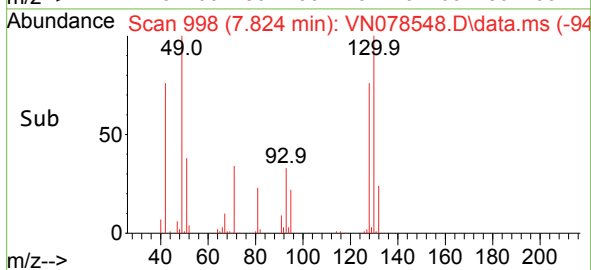
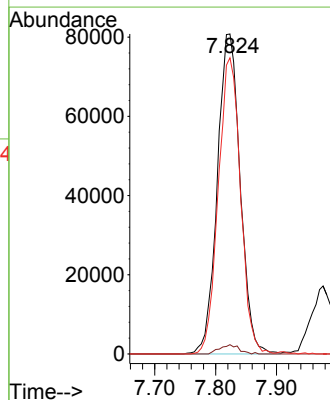
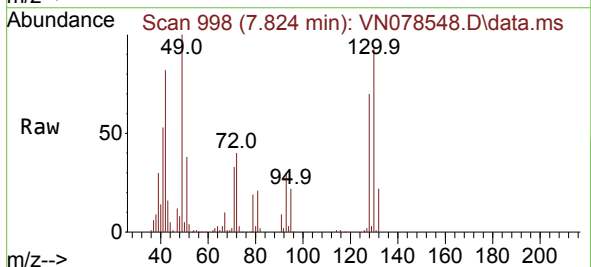
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

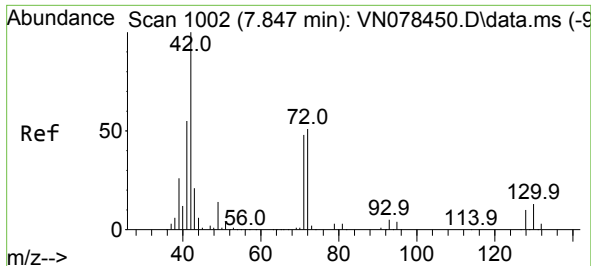
Tgt Ion: 96 Resp: 325525  
 Ion Ratio Lower Upper  
 96 100  
 61 137.3 0.0 255.2  
 98 64.5 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 38.464 ug/l  
 RT: 7.824 min Scan# 998  
 Delta R.T. 0.006 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

Tgt Ion: 49 Resp: 210546  
 Ion Ratio Lower Upper  
 49 100  
 129 2.5 0.0 4.8  
 130 90.0 75.3 112.9





#29

Tetrahydrofuran

Concen: 223.157 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

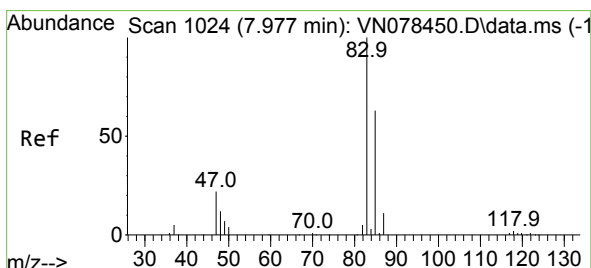
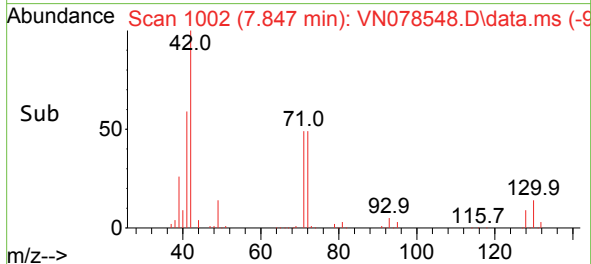
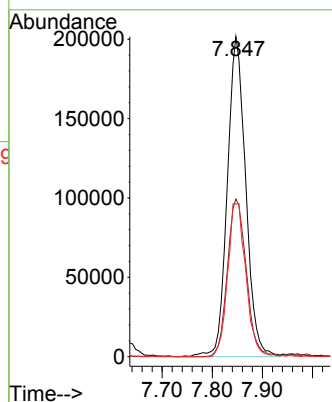
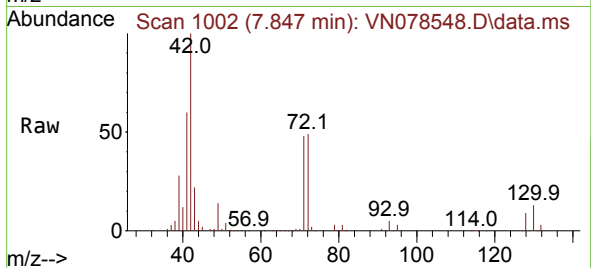
Tgt Ion: 42 Resp: 514212

Ion Ratio Lower Upper

42 100

72 50.5 49.8 74.6

71 47.4 47.4 71.2



#30

Chloroform

Concen: 45.224 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. -0.000 min

Lab File: VN078548.D

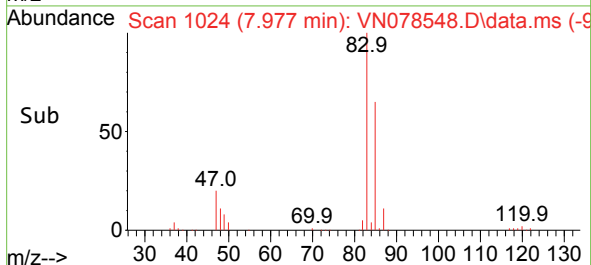
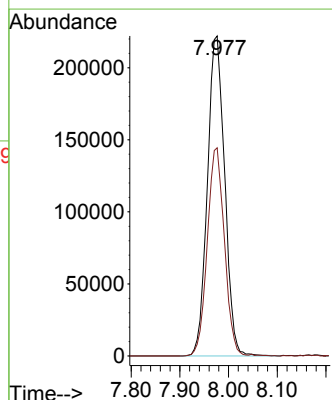
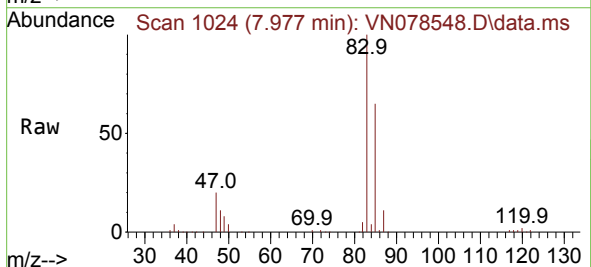
Acq: 17 Jul 2023 17:28

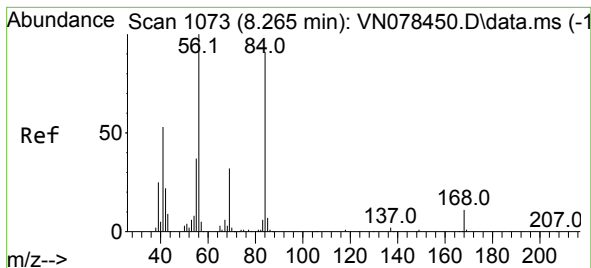
Tgt Ion: 83 Resp: 547178

Ion Ratio Lower Upper

83 100

85 65.1 55.4 83.0

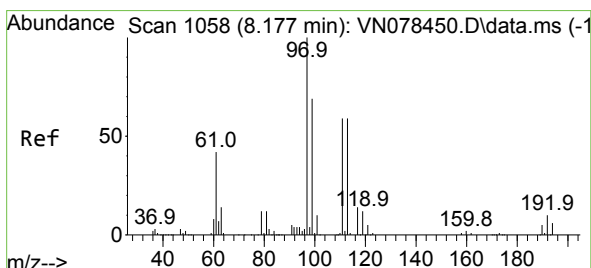
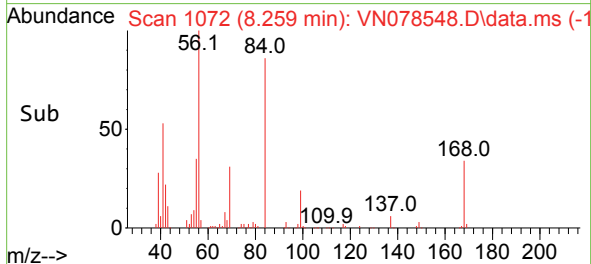
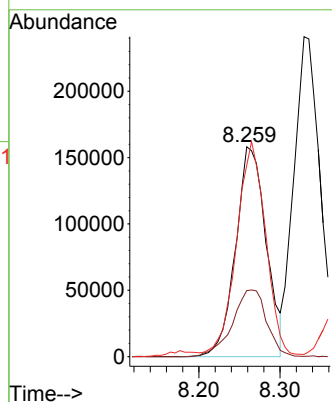
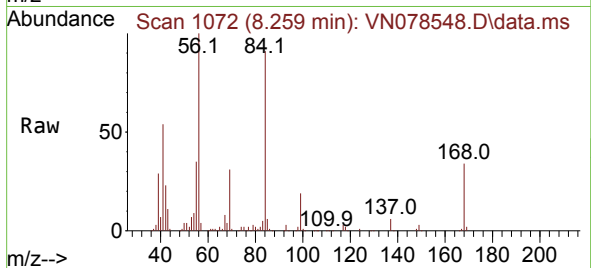




#31  
Cyclohexane  
Concen: 42.631 ug/l  
RT: 8.259 min Scan# 1072  
Delta R.T. -0.006 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

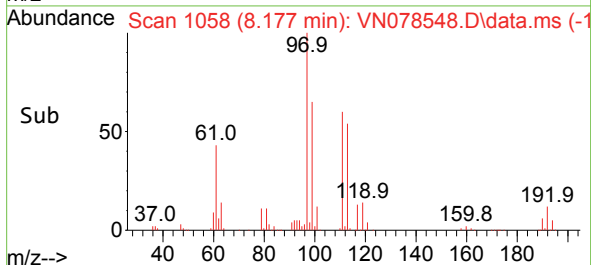
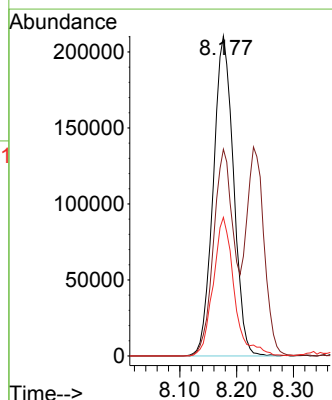
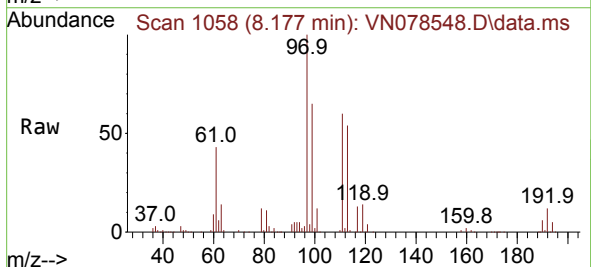
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

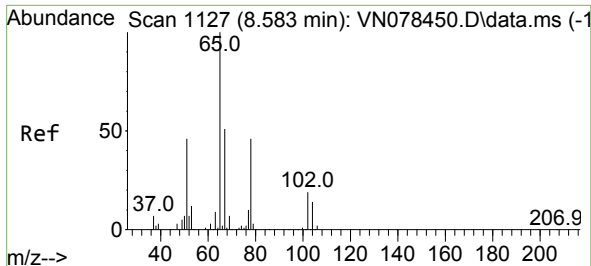
Tgt Ion: 56 Resp: 412614  
Ion Ratio Lower Upper  
56 100  
69 31.5 26.8 40.2  
84 88.2 81.8 122.6



#32  
1,1,1-Trichloroethane  
Concen: 48.147 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 97 Resp: 522297  
Ion Ratio Lower Upper  
97 100  
99 64.6 50.3 75.5  
61 44.7 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 43.457 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

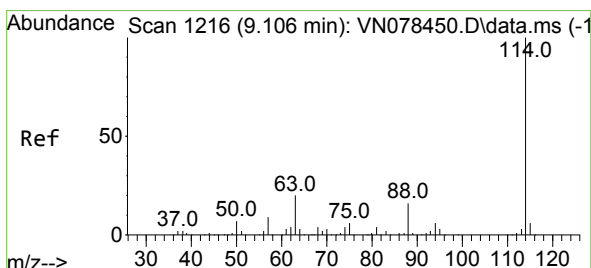
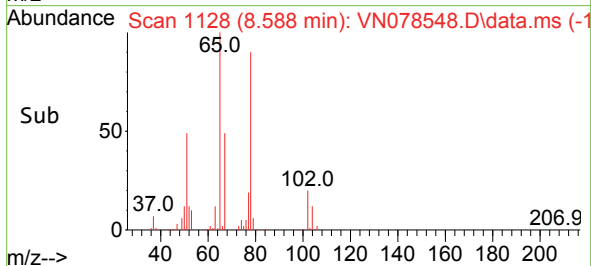
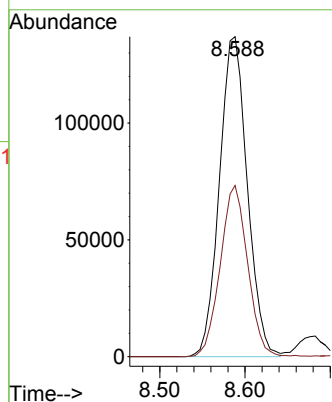
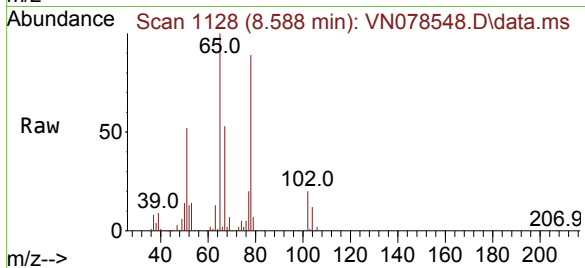
VSTDCCC050EC

Tgt Ion: 65 Resp: 311228

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

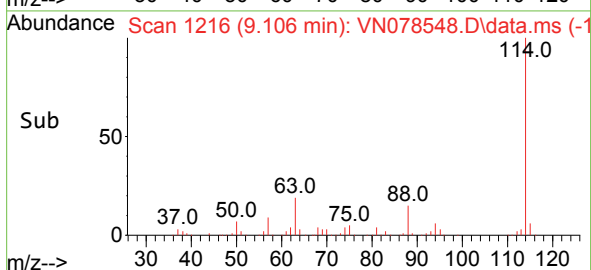
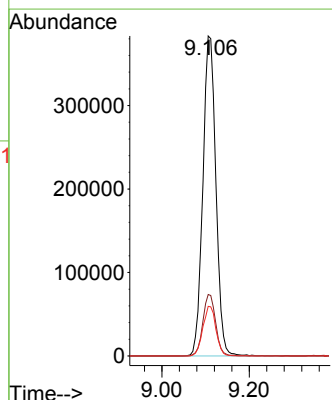
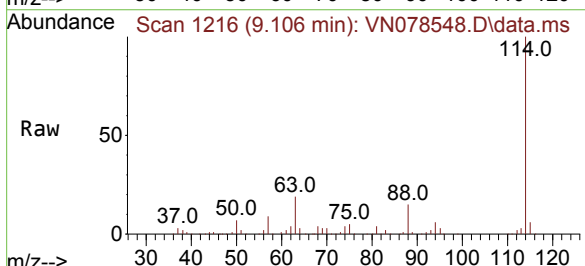
Tgt Ion: 114 Resp: 796954

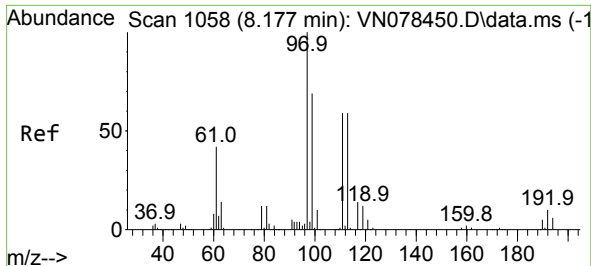
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.4

88 15.5 0.0 30.6

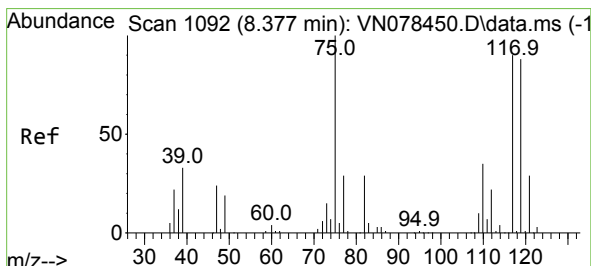
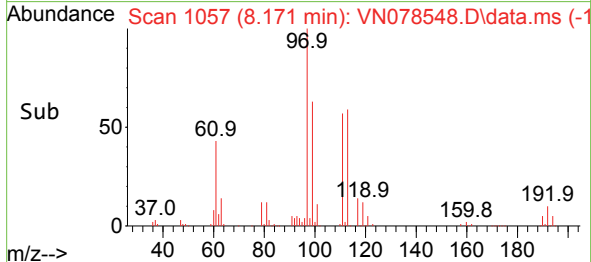
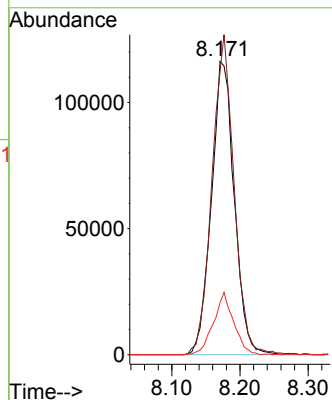
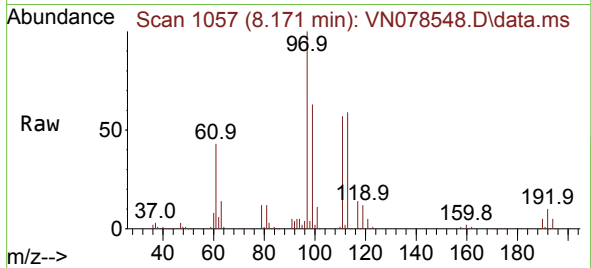




#35  
Dibromofluoromethane  
Concen: 50.248 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

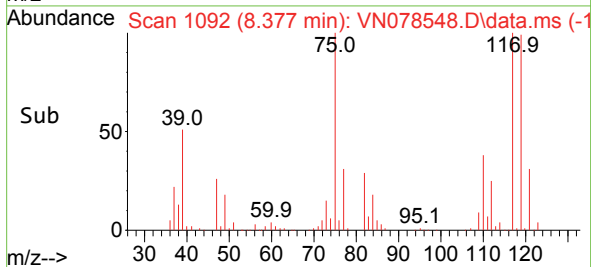
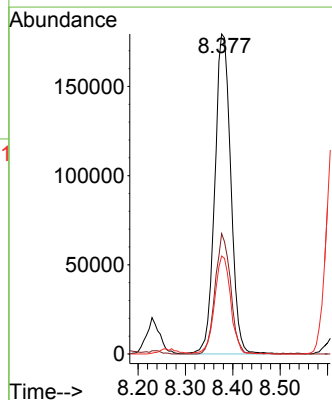
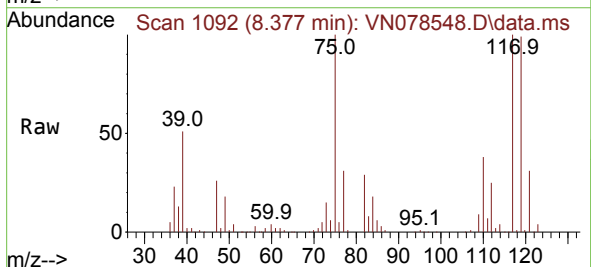
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

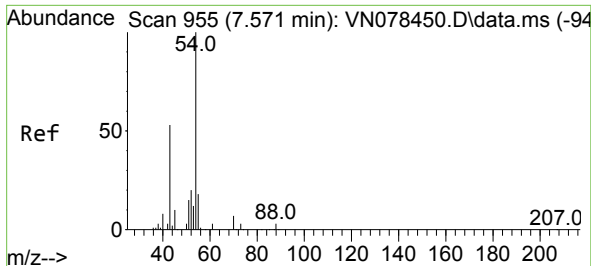
Tgt Ion:113 Resp: 271842  
Ion Ratio Lower Upper  
113 100  
111 105.0 82.6 123.8  
192 18.8 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 54.022 ug/l  
RT: 8.377 min Scan# 1092  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 75 Resp: 421992  
Ion Ratio Lower Upper  
75 100  
110 36.2 19.1 57.3  
77 30.8 25.0 37.4

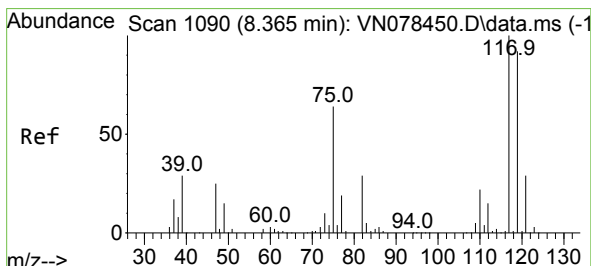
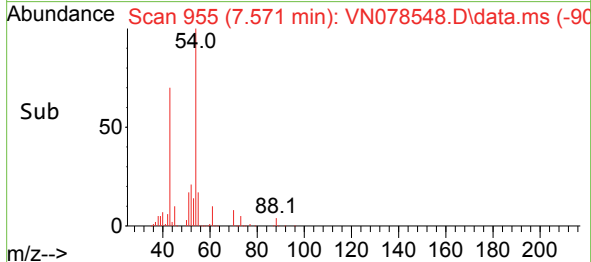
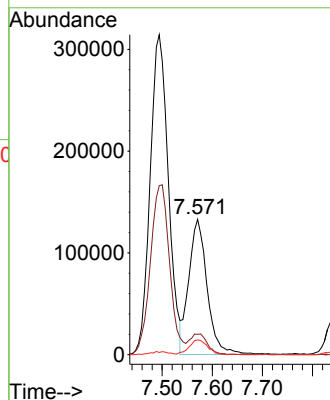
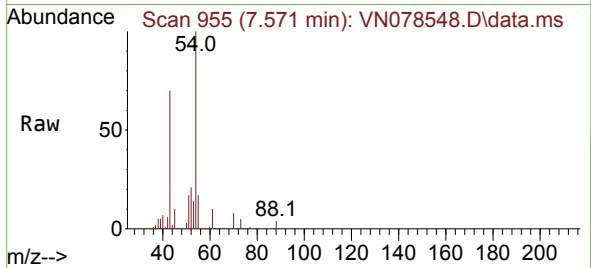




#37  
Ethyl Acetate  
Concen: 52.118 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

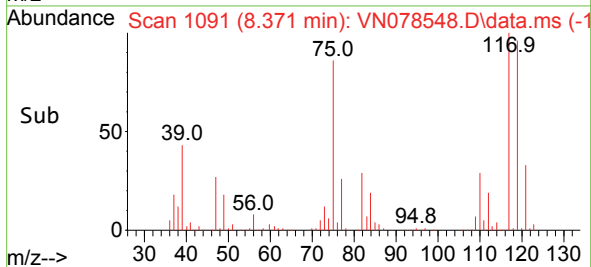
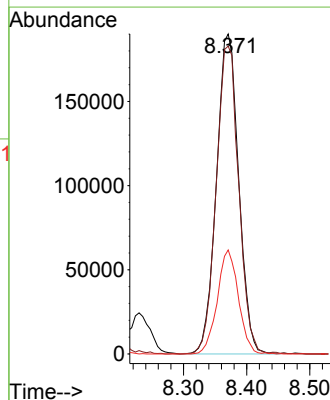
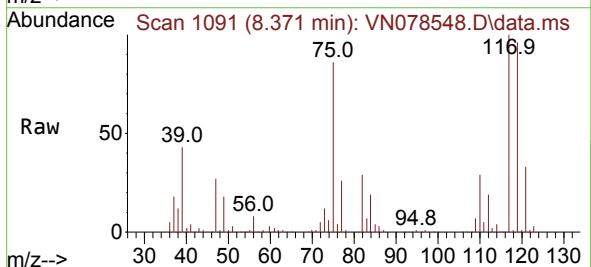
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

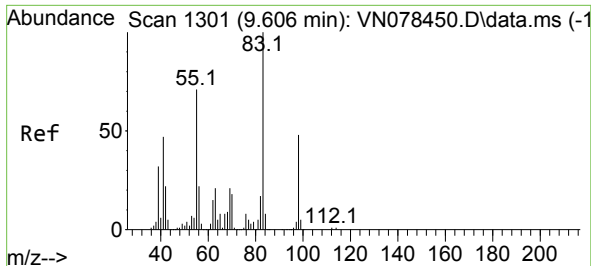
Tgt Ion: 43 Resp: 339381  
Ion Ratio Lower Upper  
43 100  
61 14.2 13.2 19.8  
70 11.0 11.3 16.9#



#38  
Carbon Tetrachloride  
Concen: 54.874 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. 0.006 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 117 Resp: 465870  
Ion Ratio Lower Upper  
117 100  
119 96.2 77.3 115.9  
121 32.5 23.3 34.9





#39

Methylcyclohexane

Concen: 51.220 ug/l

RT: 9.606 min Scan# 11301

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

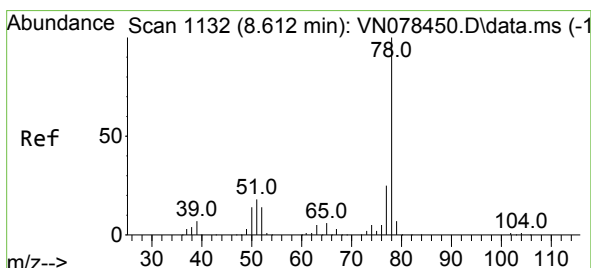
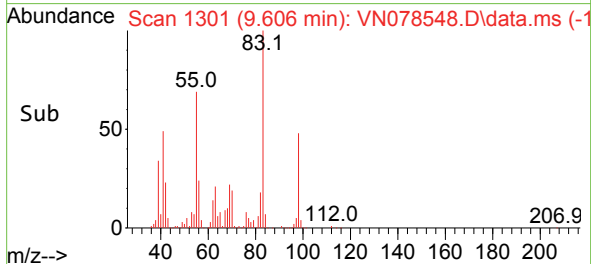
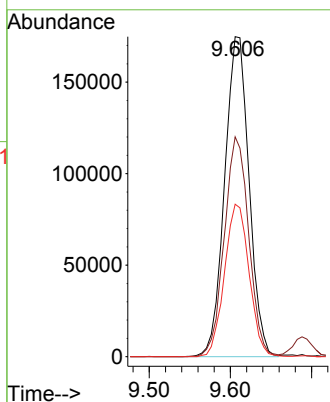
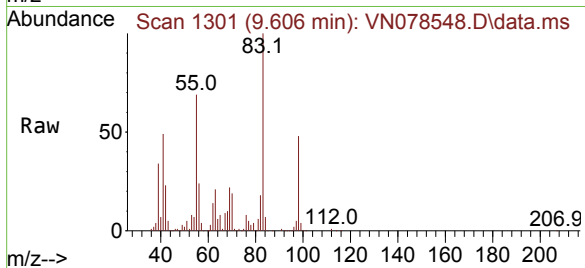
Tgt Ion: 83 Resp: 365213

Ion Ratio Lower Upper

83 100

55 68.7 49.1 73.7

98 47.6 40.6 61.0



#40

Benzene

Concen: 54.060 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN078548.D

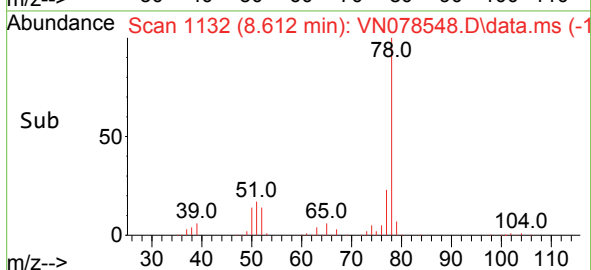
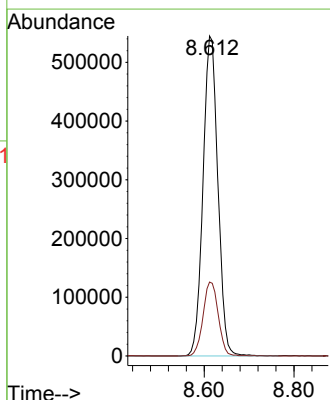
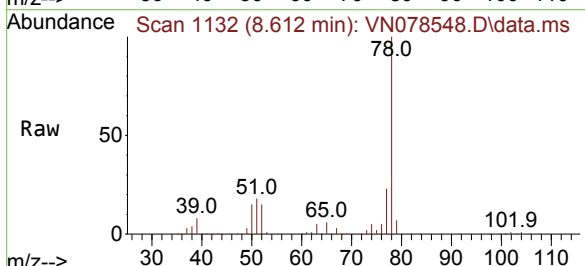
Acq: 17 Jul 2023 17:28

Tgt Ion: 78 Resp: 1251072

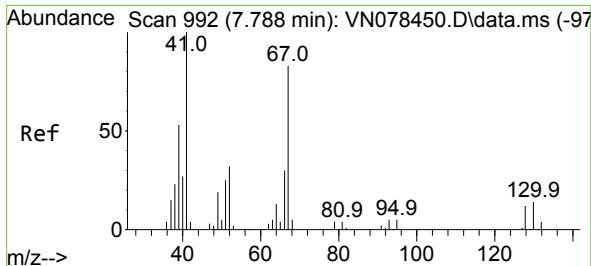
Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6



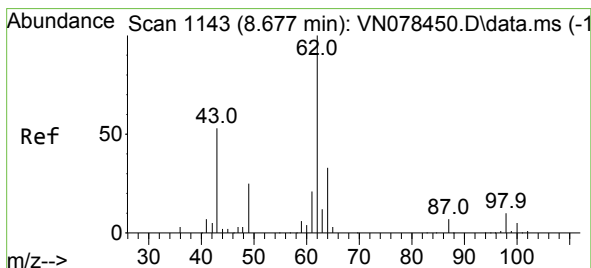
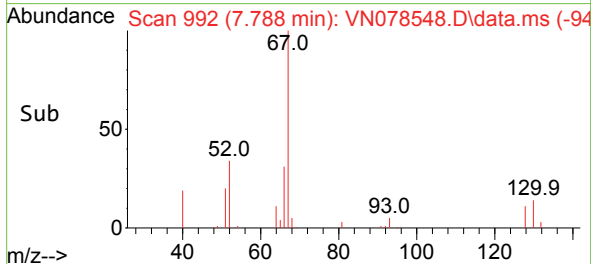
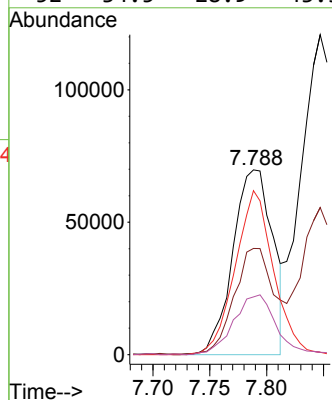
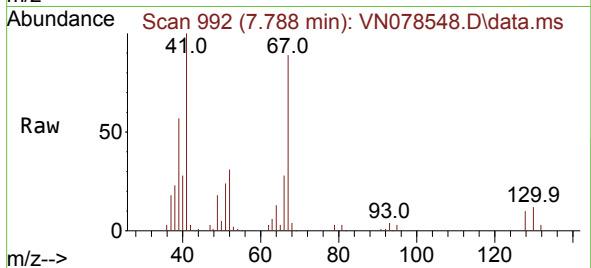




#41  
Methacrylonitrile  
Concen: 51.420 ug/l  
RT: 7.788 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

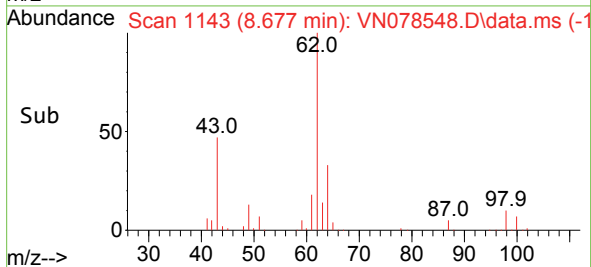
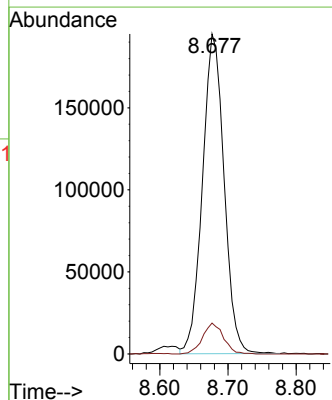
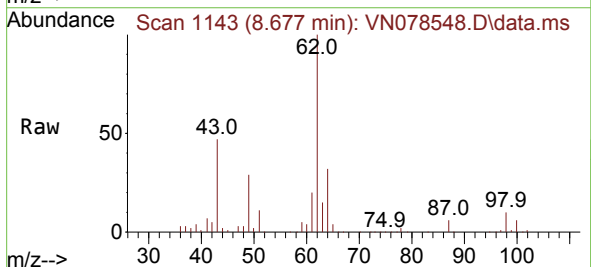
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

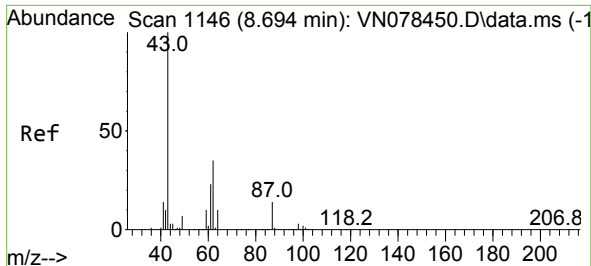
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 170694 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 58.8  | 42.6  | 64.0   |
| 67       | 85.3  | 77.5  | 116.3  |
| 52       | 34.5  | 28.9  | 43.3   |



#42  
1,2-Dichloroethane  
Concen: 54.539 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 429303 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.3   | 0.0   | 19.8   |

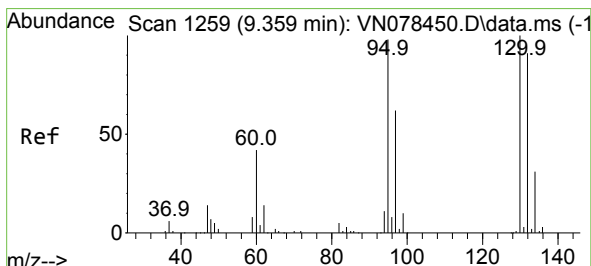
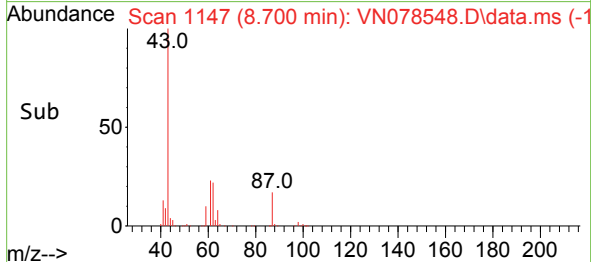
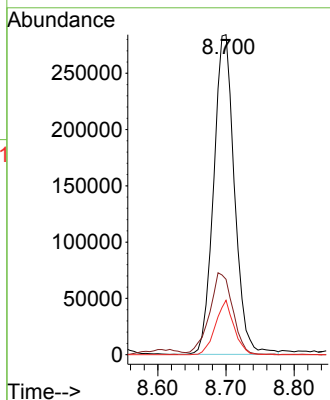
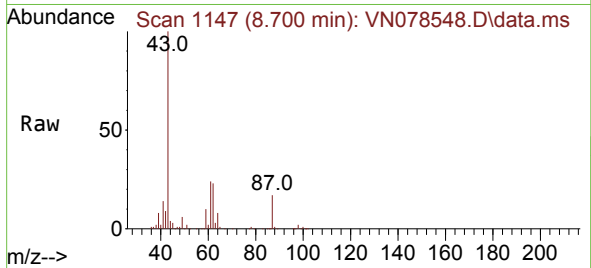




#43  
Isopropyl Acetate  
Concen: 56.225 ug/l  
RT: 8.700 min Scan# 1147  
Delta R.T. 0.006 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

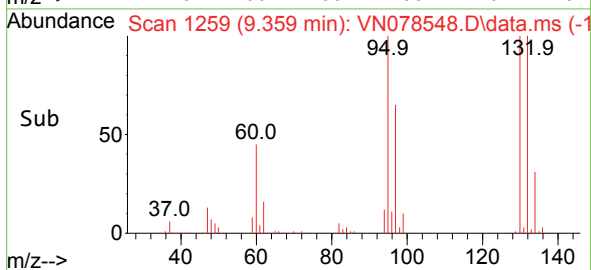
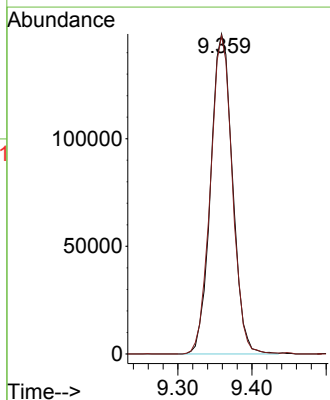
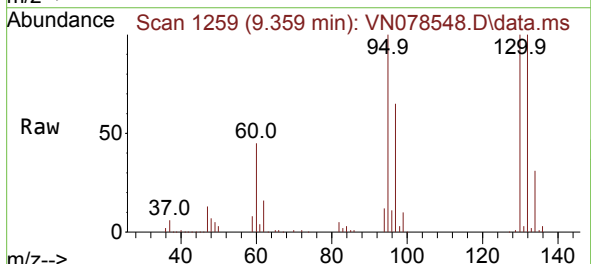
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

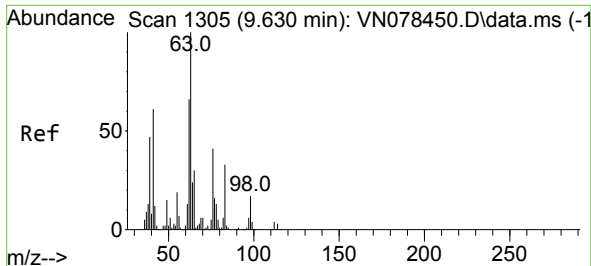
Tgt Ion: 43 Resp: 602787  
Ion Ratio Lower Upper  
43 100  
61 28.8 24.7 37.1  
87 15.2 14.6 21.8



#44  
Trichloroethene  
Concen: 48.776 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion:130 Resp: 304228  
Ion Ratio Lower Upper  
130 100  
95 99.5 0.0 204.6





#45

1,2-Dichloropropane

Concen: 52.205 ug/l

RT: 9.629 min Scan# 1305

Delta R.T. -0.001 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

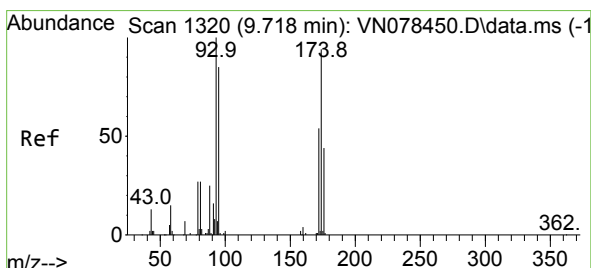
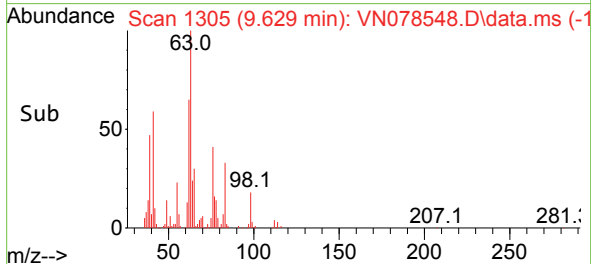
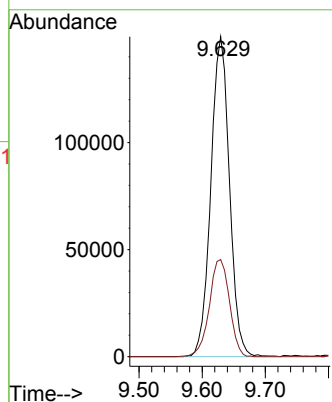
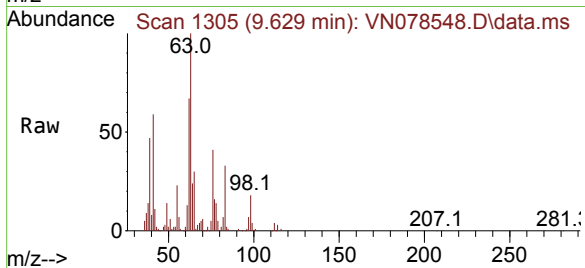
VSTDCCC050EC

Tgt Ion: 63 Resp: 305989

Ion Ratio Lower Upper

63 100

65 30.3 23.9 35.9



#46

Dibromomethane

Concen: 50.994 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

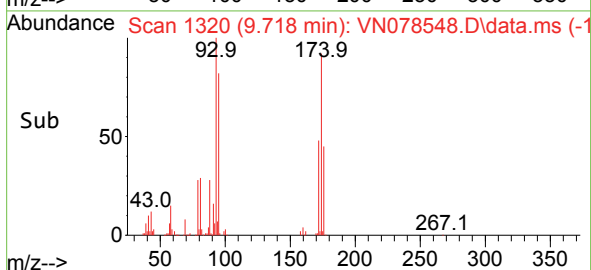
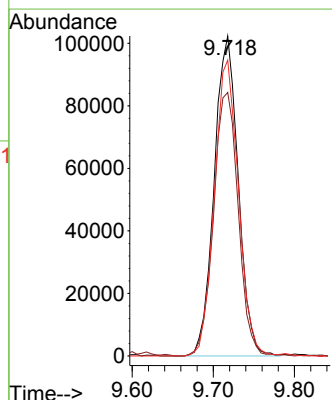
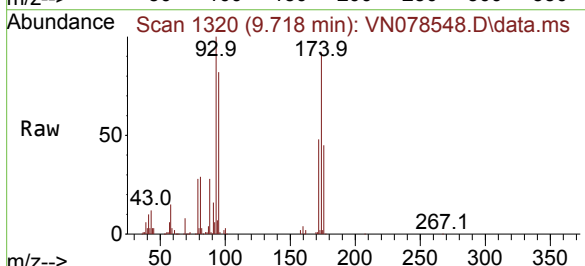
Tgt Ion: 93 Resp: 210368

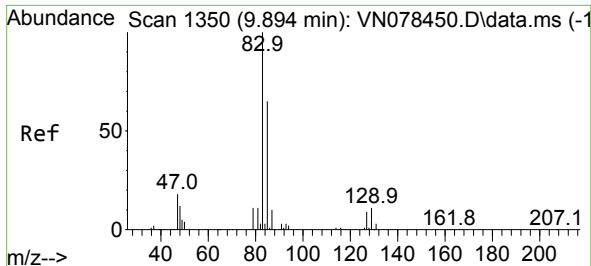
Ion Ratio Lower Upper

93 100

95 84.7 63.8 95.8

174 92.8 65.6 98.4

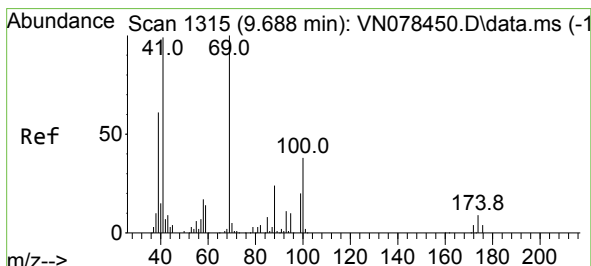
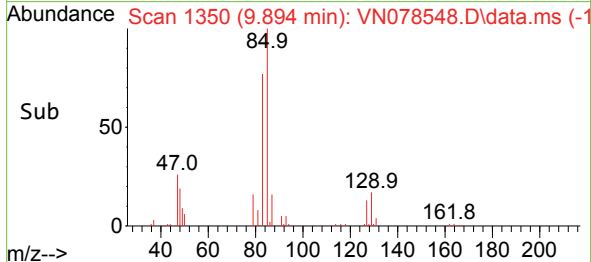
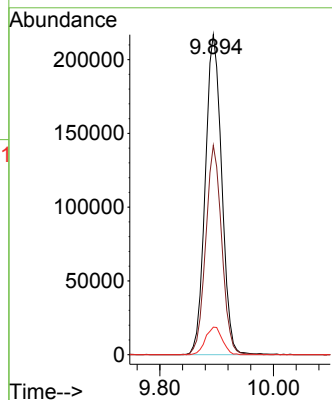
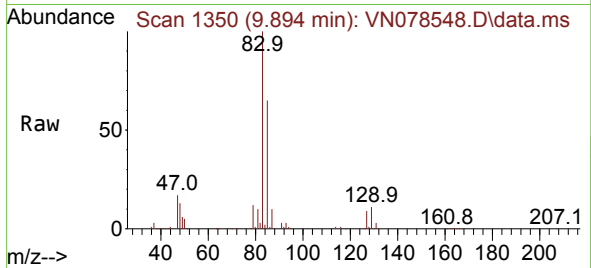




#47  
Bromodichloromethane  
Concen: 52.476 ug/l  
RT: 9.894 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

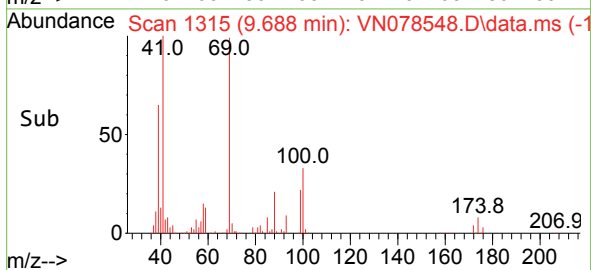
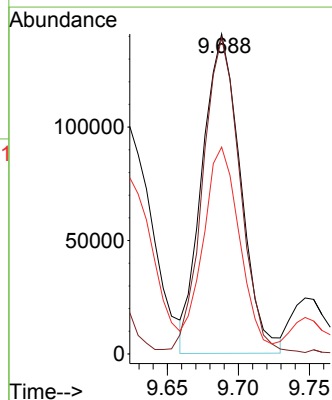
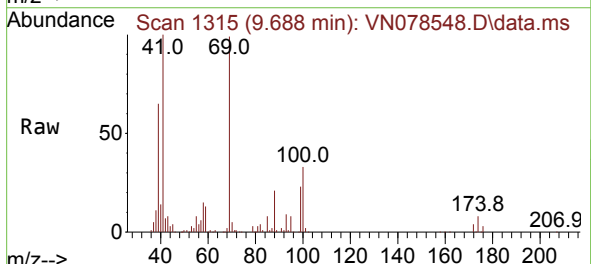
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

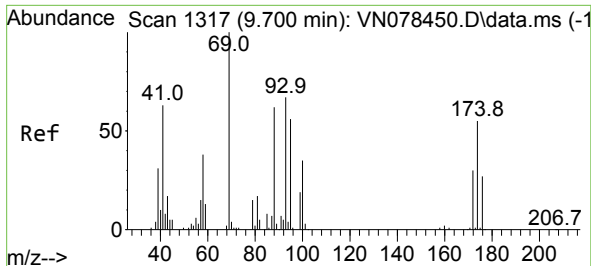
Tgt Ion: 83 Resp: 433958  
Ion Ratio Lower Upper  
83 100  
85 65.4 49.6 74.4  
127 8.6 7.0 10.6



#48  
Methyl methacrylate  
Concen: 53.228 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 41 Resp: 264379  
Ion Ratio Lower Upper  
41 100  
69 95.9 90.4 135.6  
39 62.1 54.6 81.8





#49

1,4-Dioxane

Concen: 1043.307 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

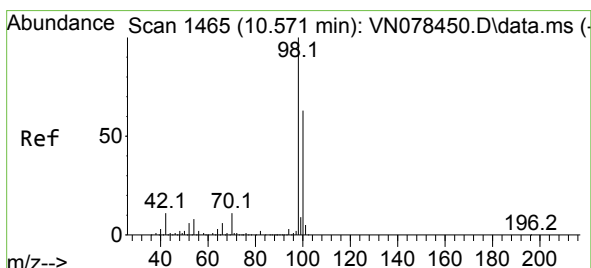
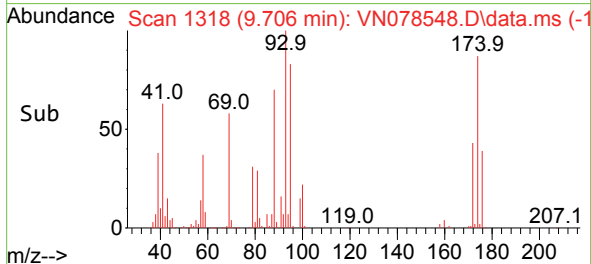
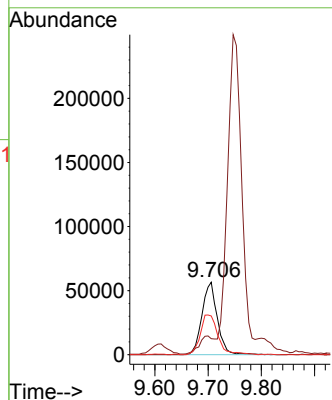
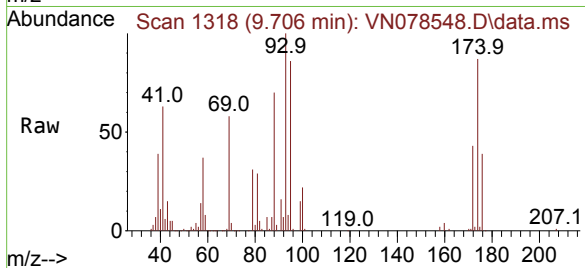
Tgt Ion: 88 Resp: 113009

Ion Ratio Lower Upper

88 100

43 23.7 17.0 25.6

58 63.0 47.0 70.4



#50

Toluene-d8

Concen: 45.629 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.001 min

Lab File: VN078548.D

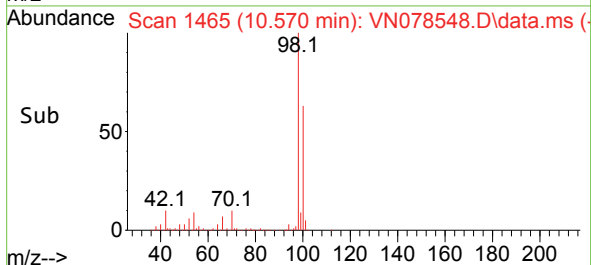
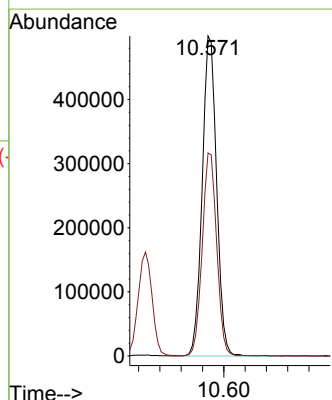
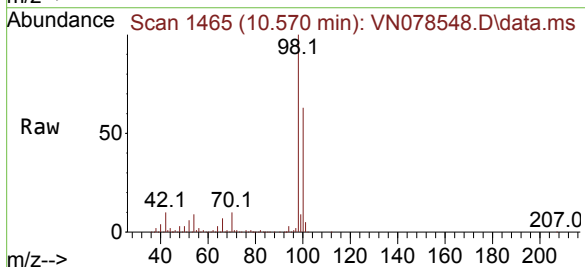
Acq: 17 Jul 2023 17:28

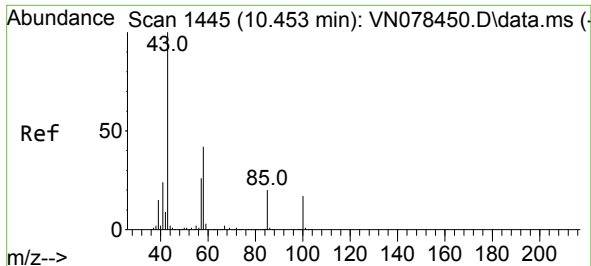
Tgt Ion: 98 Resp: 932524

Ion Ratio Lower Upper

98 100

100 63.5 52.0 78.0

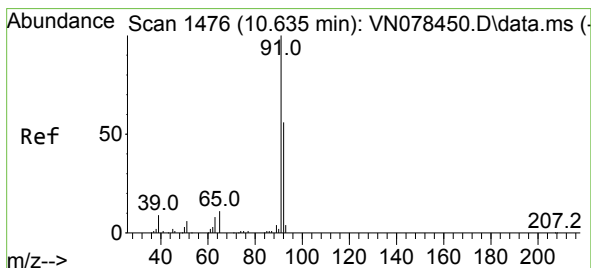
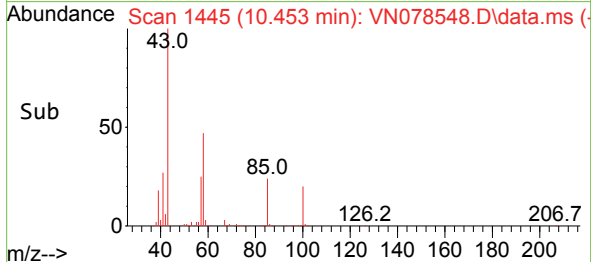
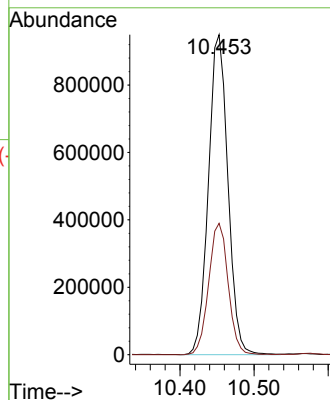
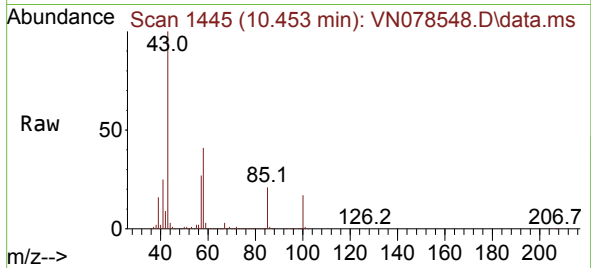




#51  
4-Methyl-2-Pentanone  
Concen: 271.778 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

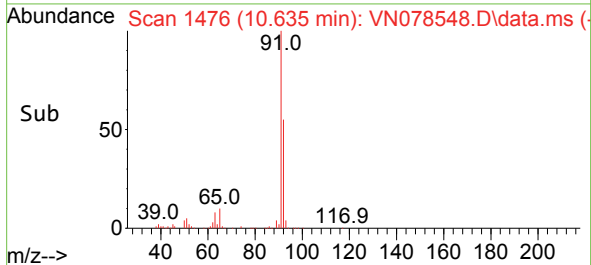
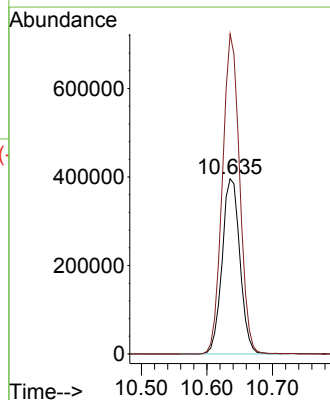
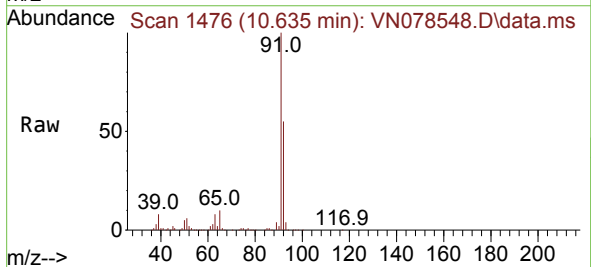
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

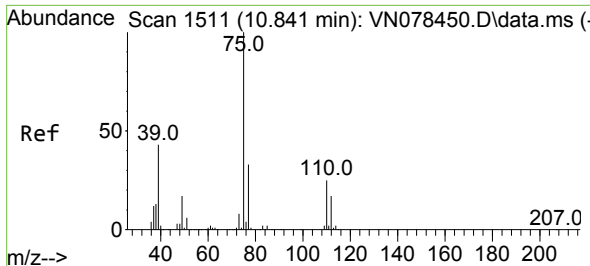
Tgt Ion: 43 Resp: 1733101  
Ion Ratio Lower Upper  
43 100  
58 41.1 36.6 54.8



#52  
Toluene  
Concen: 51.828 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 92 Resp: 743375  
Ion Ratio Lower Upper  
92 100  
91 177.2 137.4 206.0

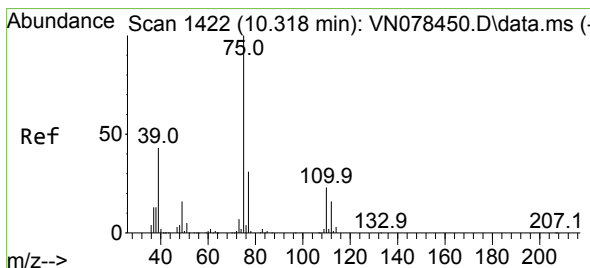
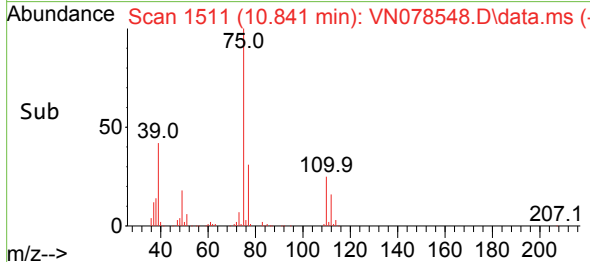
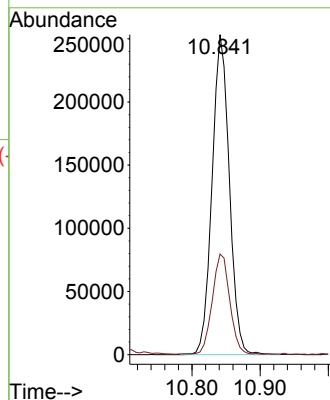
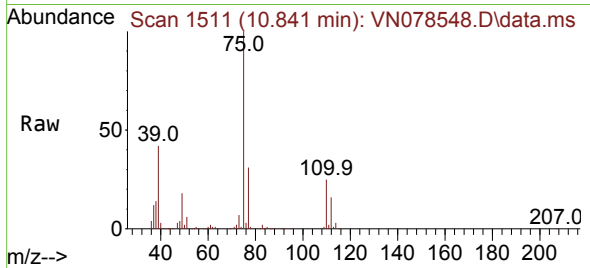




#53  
 t-1,3-Dichloropropene  
 Concen: 52.636 ug/l  
 RT: 10.841 min Scan# 1511  
 Delta R.T. 0.000 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

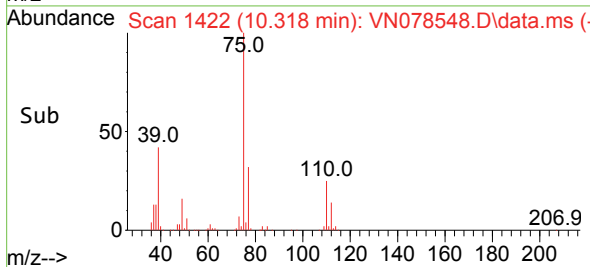
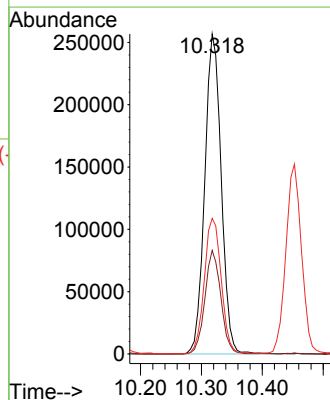
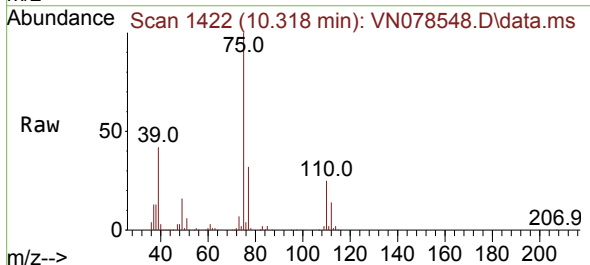
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

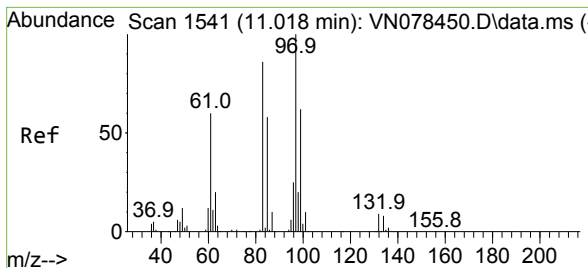
Tgt Ion: 75 Resp: 445931  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.508 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. -0.000 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

Tgt Ion: 75 Resp: 483209  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 26.1 39.1  
 39 42.2 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 53.488 ug/l

RT: 11.023 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 302265

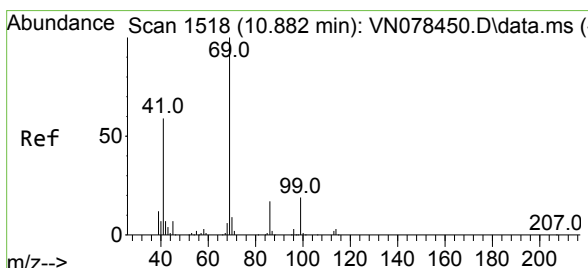
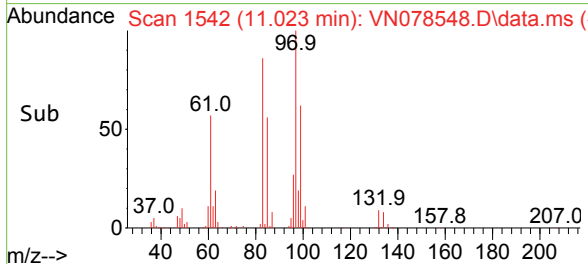
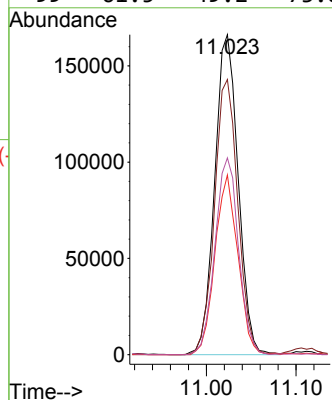
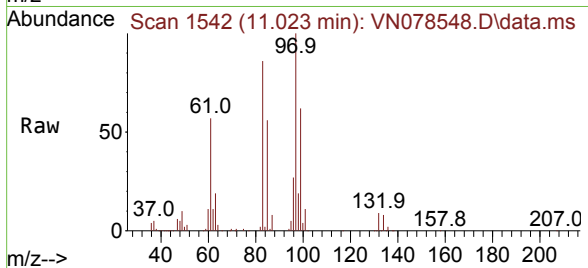
Ion Ratio Lower Upper

97 100

83 86.0 65.1 97.7

85 56.2 43.4 65.2

99 61.5 49.2 73.8



#56

Ethyl methacrylate

Concen: 54.941 ug/l

RT: 10.882 min Scan# 1518

Delta R.T. 0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

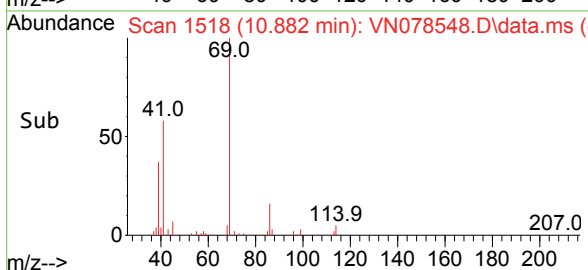
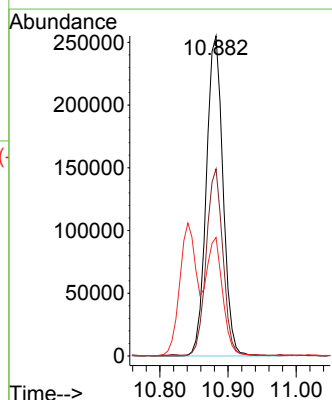
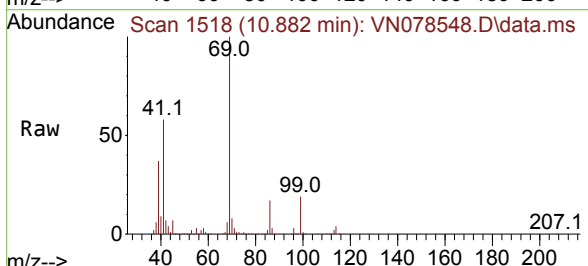
Tgt Ion: 69 Resp: 434011

Ion Ratio Lower Upper

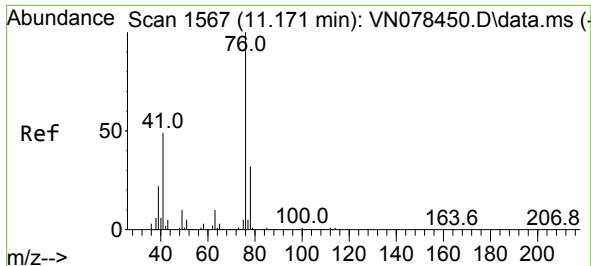
69 100

41 58.0 39.6 59.4

39 37.0 28.6 43.0



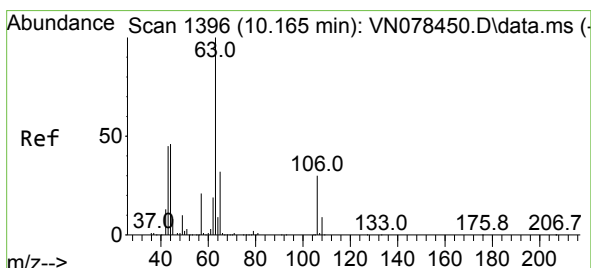
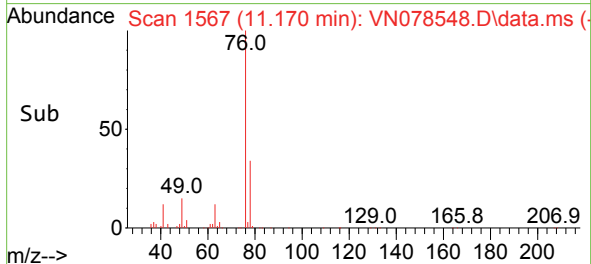
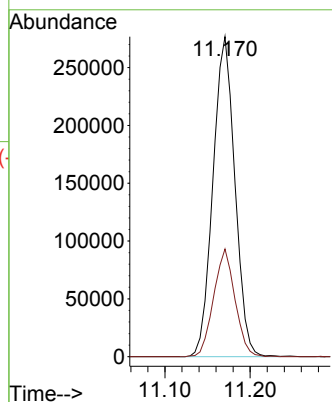
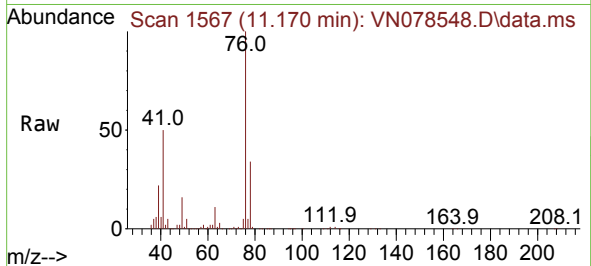




#57  
1,3-Dichloropropane  
Concen: 51.440 ug/l  
RT: 11.170 min Scan# 1567  
Delta R.T. -0.001 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

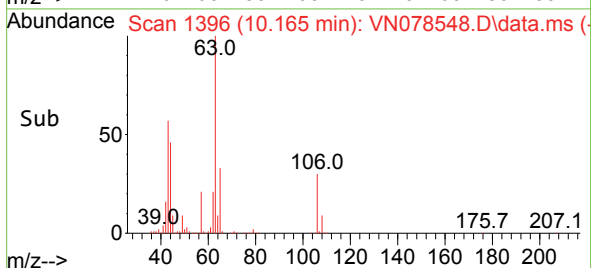
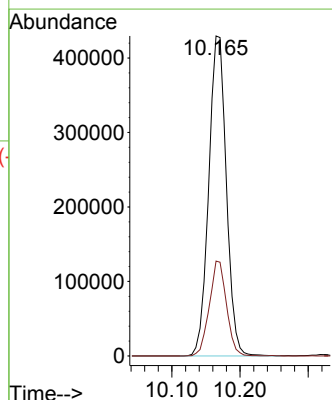
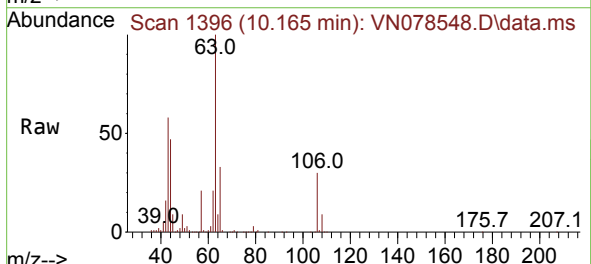
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

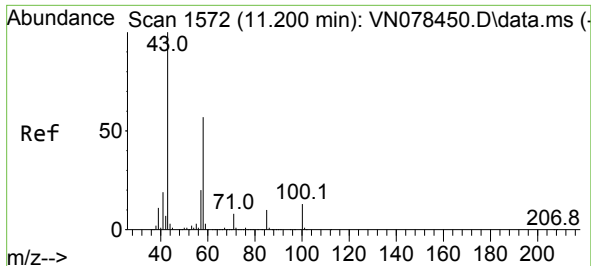
Tgt Ion: 76 Resp: 494264  
Ion Ratio Lower Upper  
76 100  
78 32.8 26.1 39.1



#58  
2-Chloroethyl Vinyl ether  
Concen: 274.267 ug/l  
RT: 10.165 min Scan# 1396  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 63 Resp: 772114  
Ion Ratio Lower Upper  
63 100  
106 28.9 26.2 39.4

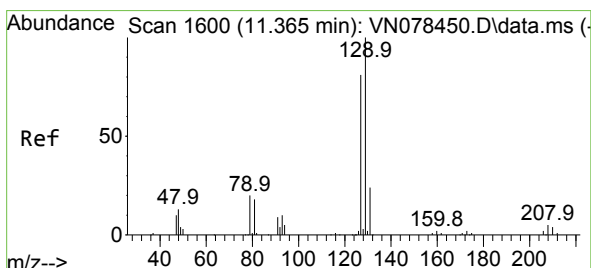
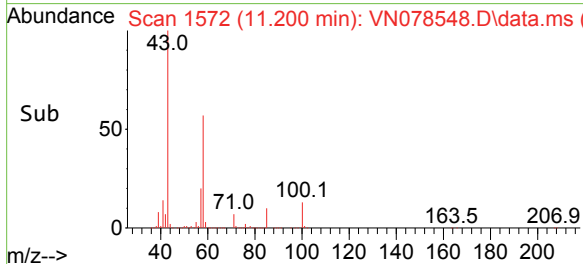
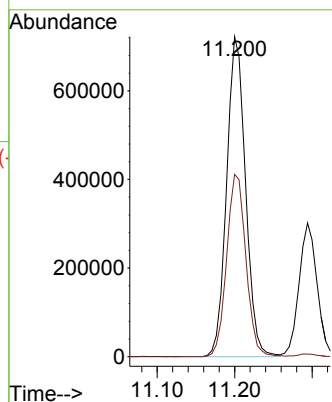
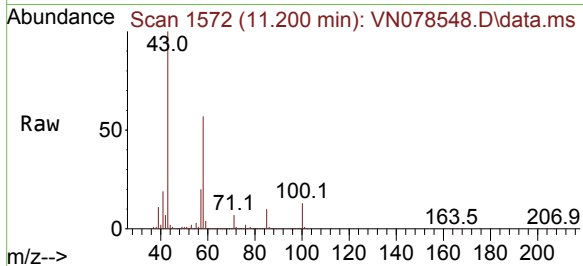




#59  
2-Hexanone  
Concen: 270.892 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

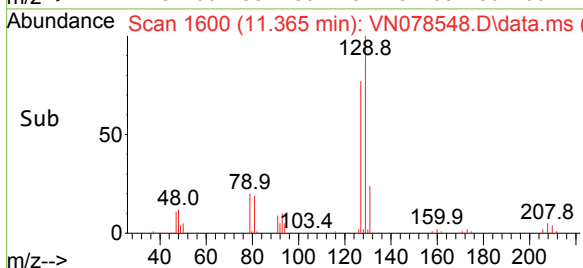
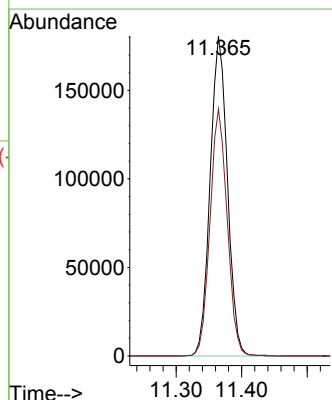
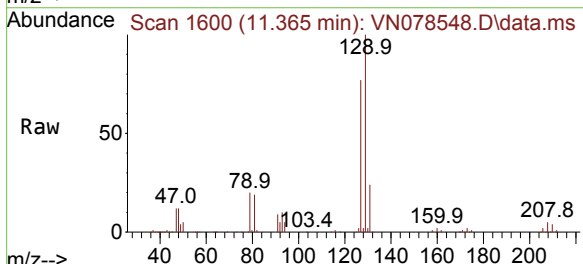
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

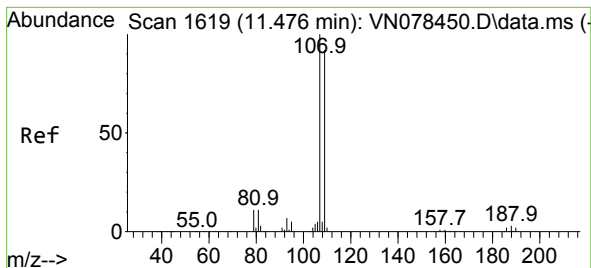
Tgt Ion: 43 Resp: 1227721  
Ion Ratio Lower Upper  
43 100  
58 58.1 31.7 95.1



#60  
Dibromochloromethane  
Concen: 53.015 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 129 Resp: 330746  
Ion Ratio Lower Upper  
129 100  
127 76.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.836 ug/l

RT: 11.476 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

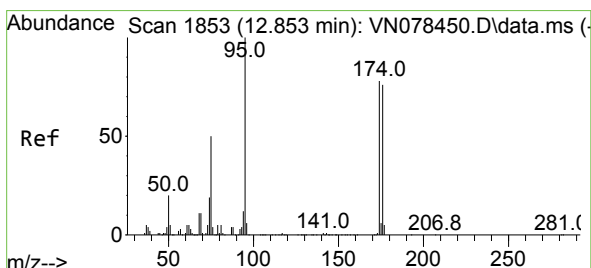
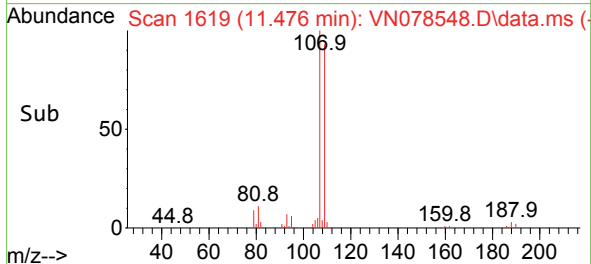
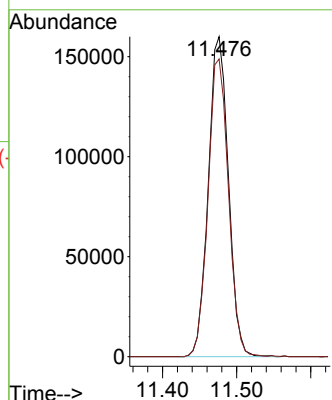
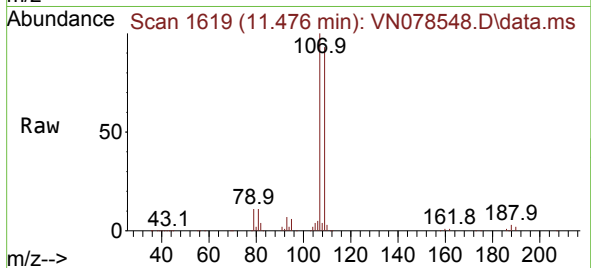
VSTDCCC050EC

Tgt Ion:107 Resp: 301757

Ion Ratio Lower Upper

107 100

109 94.5 76.6 114.8



#62

4-Bromofluorobenzene

Concen: 47.857 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

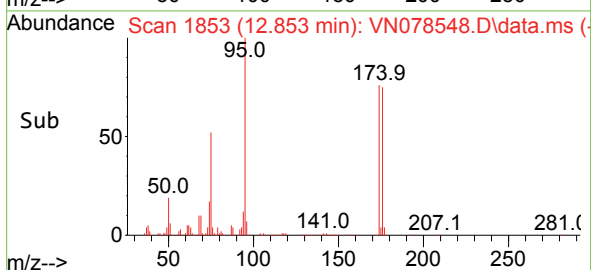
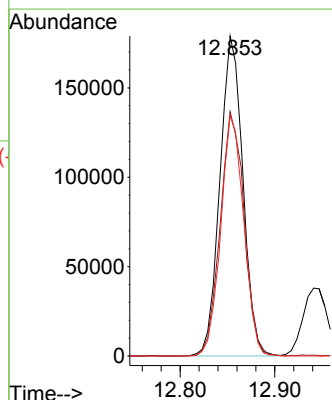
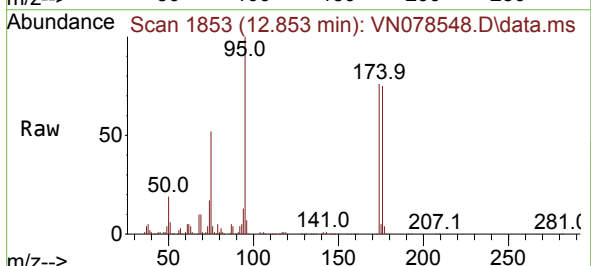
Tgt Ion: 95 Resp: 301265

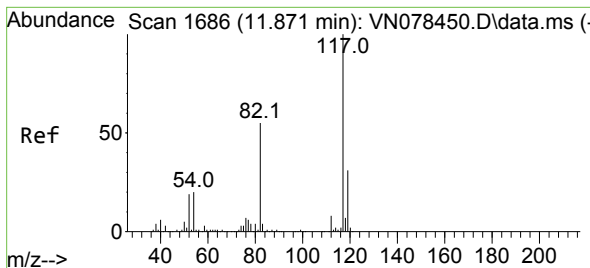
Ion Ratio Lower Upper

95 100

174 79.5 0.0 143.8

176 75.4 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

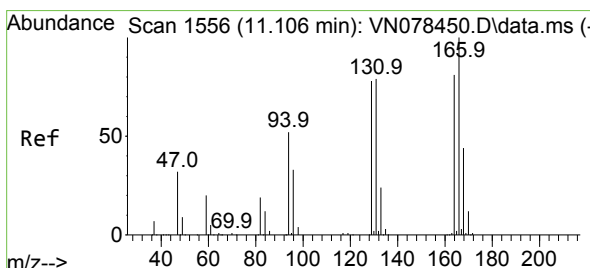
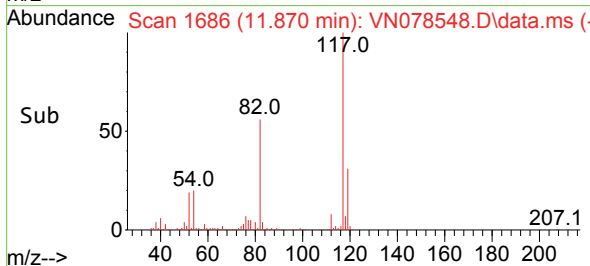
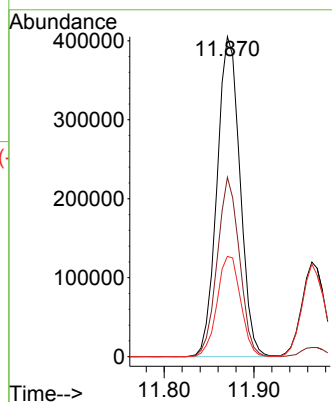
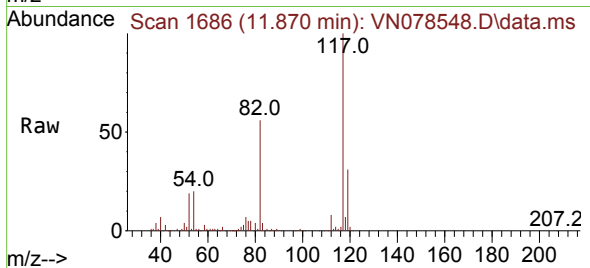
Tgt Ion:117 Resp: 721518

Ion Ratio Lower Upper

117 100

82 56.0 44.0 66.0

119 31.4 25.6 38.4



#64

Tetrachloroethene

Concen: 49.432 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. 0.006 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Tgt Ion:164 Resp: 268148

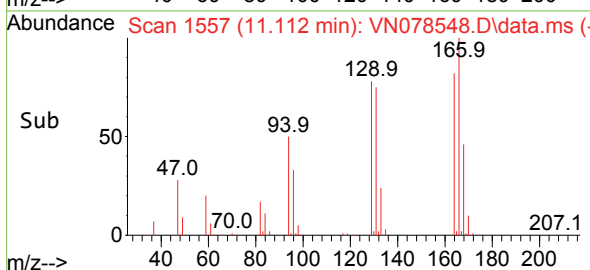
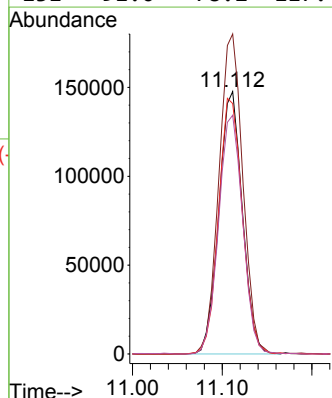
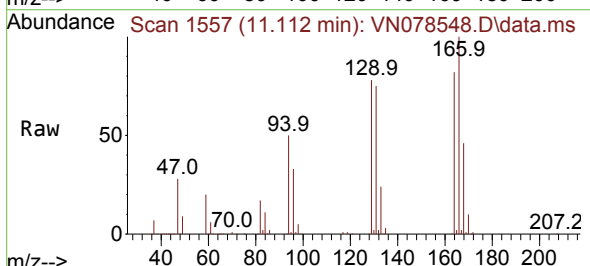
Ion Ratio Lower Upper

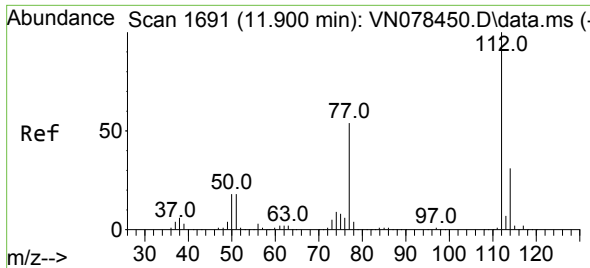
164 100

166 121.9 101.4 152.0

129 95.4 82.4 123.6

131 91.0 78.2 117.4

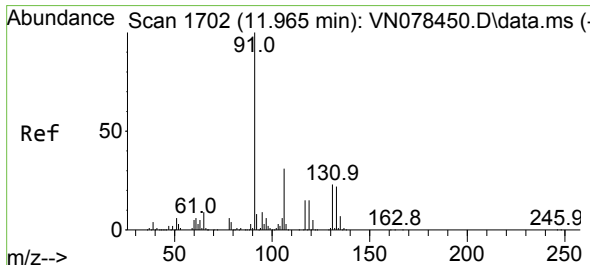
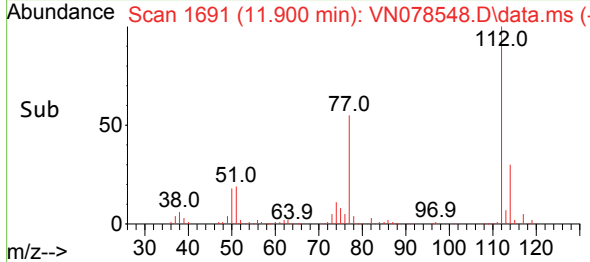
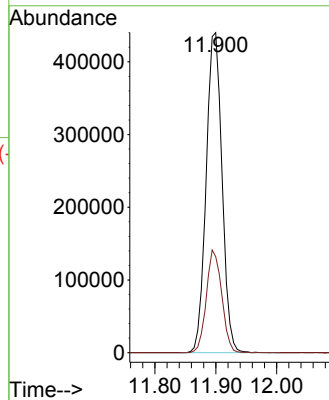
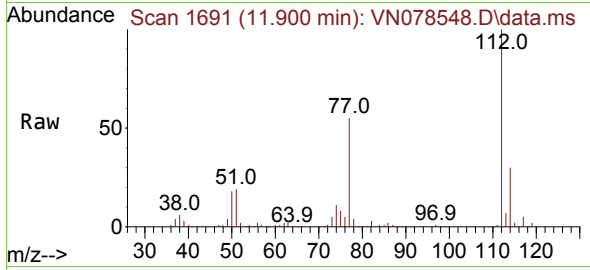




#65  
Chlorobenzene  
Concen: 49.419 ug/l  
RT: 11.900 min Scan# 1691  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

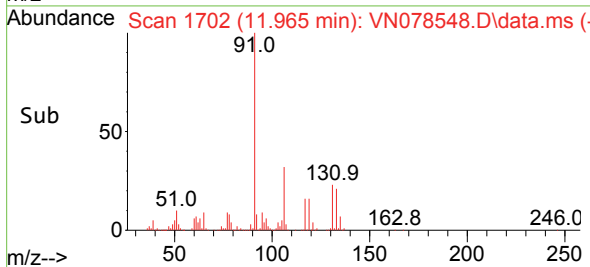
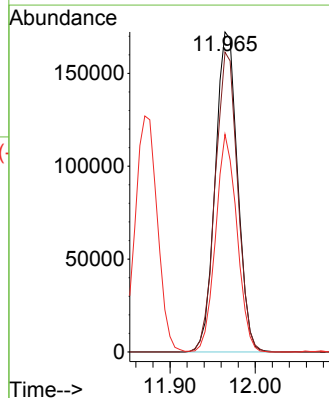
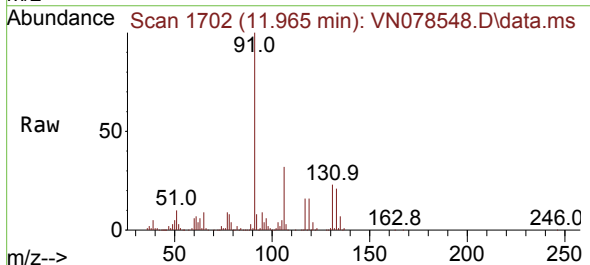
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

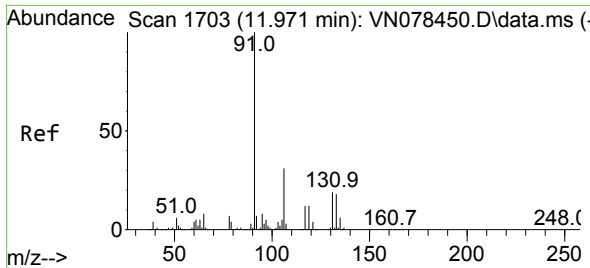
Tgt Ion:112 Resp: 797011  
Ion Ratio Lower Upper  
112 100  
114 30.0 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.478 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion:131 Resp: 313180  
Ion Ratio Lower Upper  
131 100  
133 94.4 46.4 139.1  
119 65.2 34.1 102.2

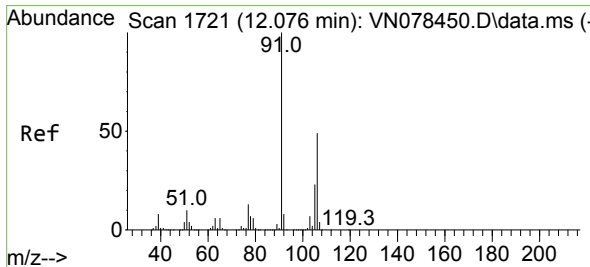
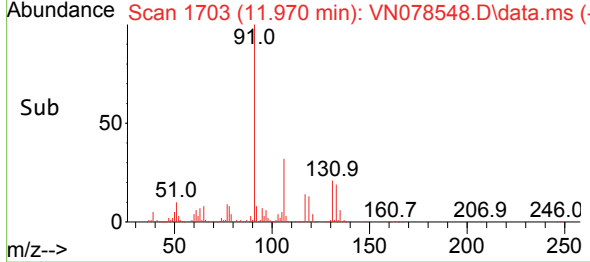
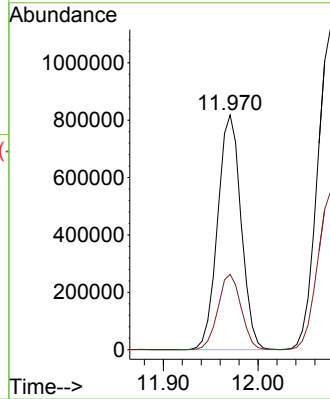
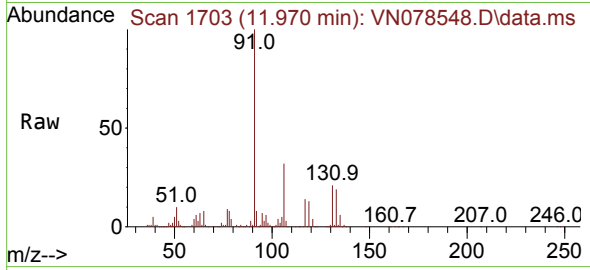




#67  
Ethyl Benzene  
Concen: 51.592 ug/l  
RT: 11.970 min Scan# 1703  
Delta R.T. -0.001 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

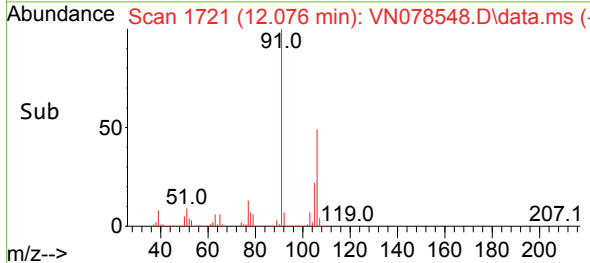
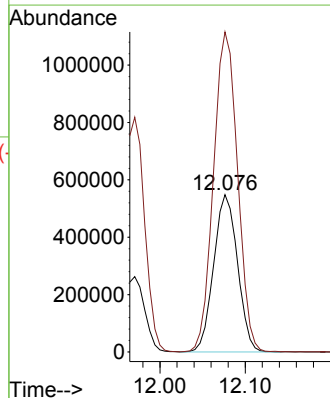
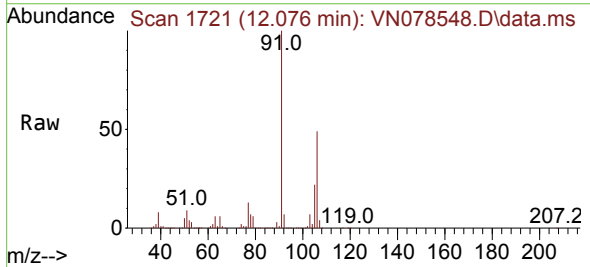
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

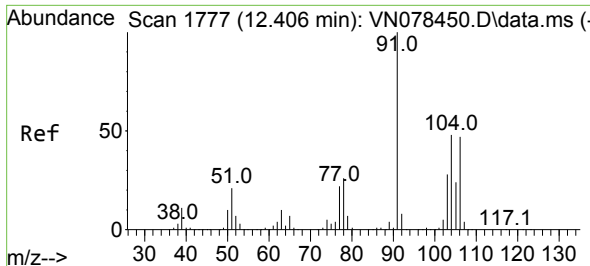
Tgt Ion: 91 Resp: 1406451  
Ion Ratio Lower Upper  
91 100  
106 32.1 25.6 38.4



#68  
m/p-Xylenes  
Concen: 105.674 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion:106 Resp: 1065109  
Ion Ratio Lower Upper  
106 100  
91 205.7 159.6 239.4

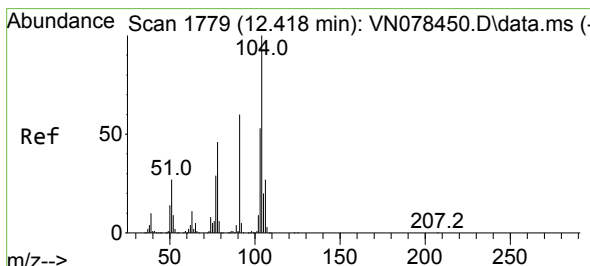
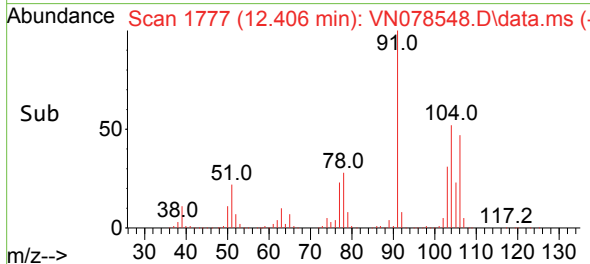
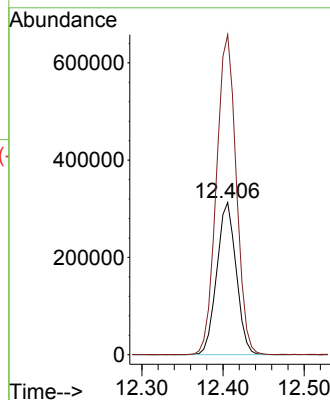
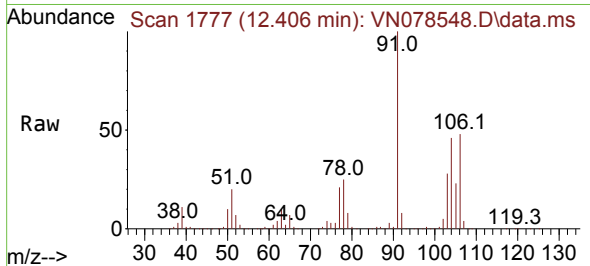




#69  
o-Xylene  
Concen: 50.991 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

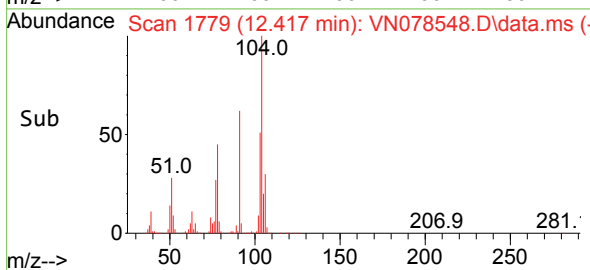
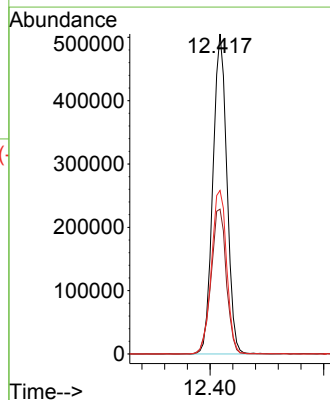
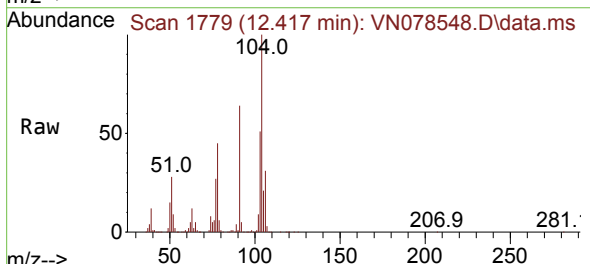
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

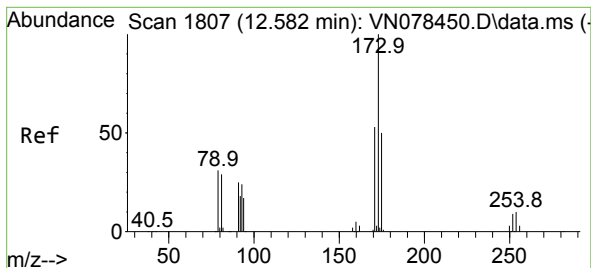
Tgt Ion:106 Resp: 519114  
Ion Ratio Lower Upper  
106 100  
91 215.0 105.2 315.5



#70  
Styrene  
Concen: 54.091 ug/l  
RT: 12.417 min Scan# 1779  
Delta R.T. -0.001 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion:104 Resp: 861511  
Ion Ratio Lower Upper  
104 100  
78 49.2 39.5 59.3  
103 55.7 43.2 64.8





#71

Bromoform

Concen: 52.585 ug/l

RT: 12.582 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

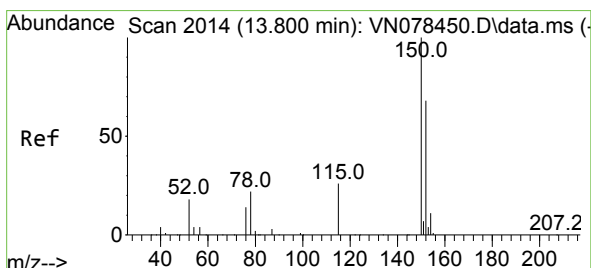
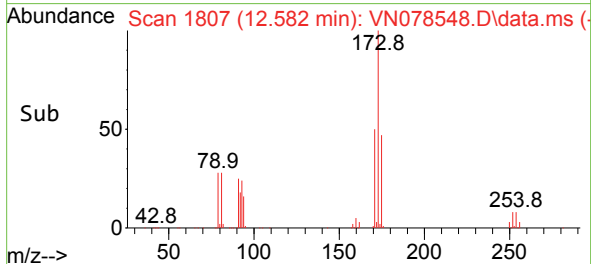
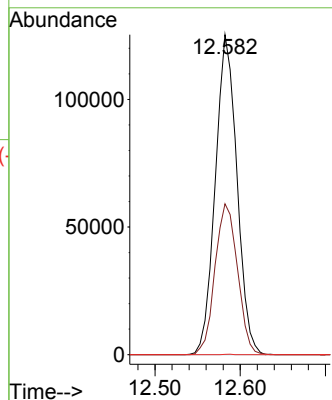
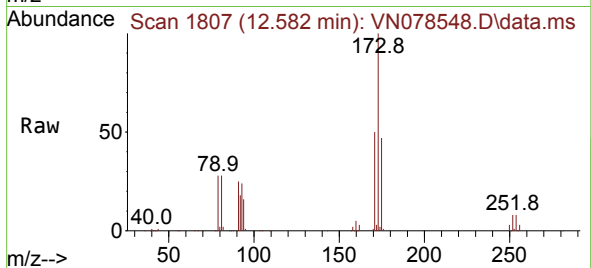
Tgt Ion:173 Resp: 220958

Ion Ratio Lower Upper

173 100

175 49.1 24.3 73.0

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

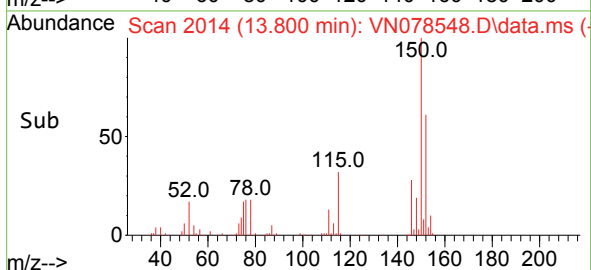
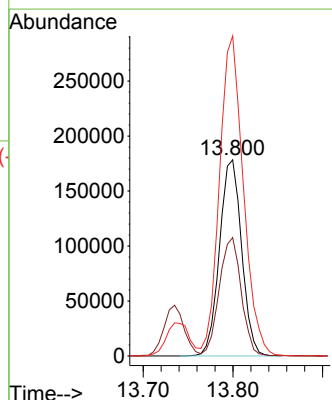
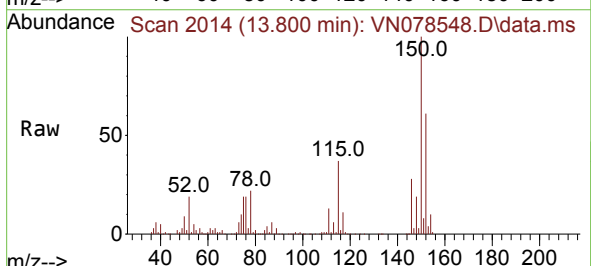
Tgt Ion:152 Resp: 305414

Ion Ratio Lower Upper

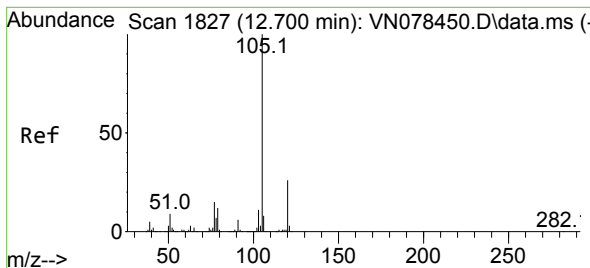
152 100

115 59.7 32.3 96.8

150 175.5 0.0 355.8







#73

Isopropylbenzene

Concen: 46.016 ug/l

RT: 12.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

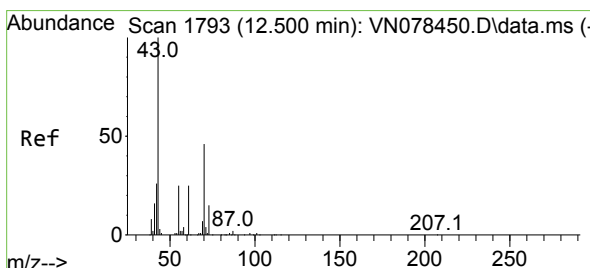
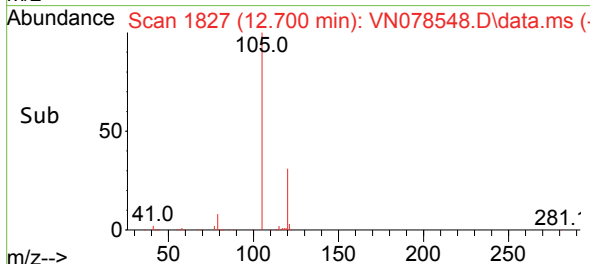
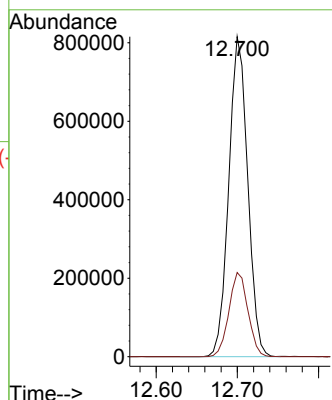
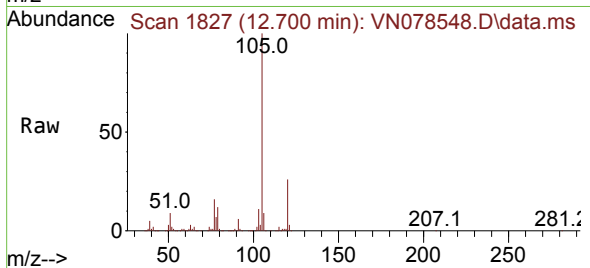
VSTDCCC050EC

Tgt Ion:105 Resp: 1320562

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.1



#74

N-ethyl acetate

Concen: 45.128 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Tgt Ion: 43 Resp: 446314

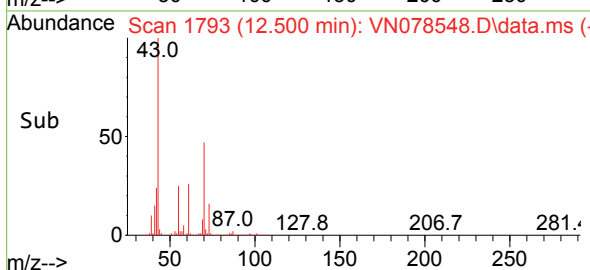
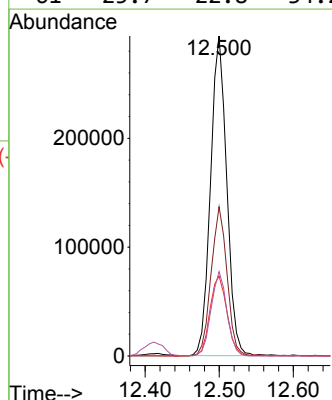
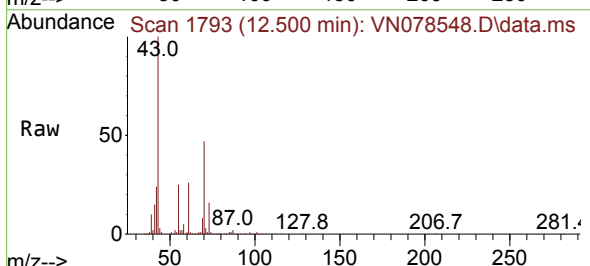
Ion Ratio Lower Upper

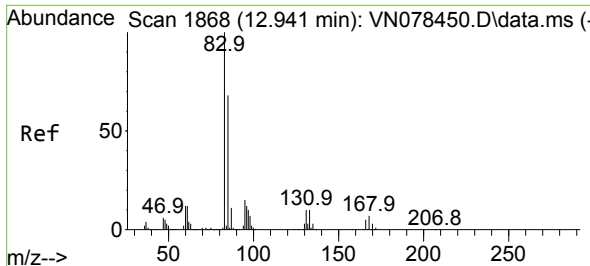
43 100

70 45.9 43.4 65.2

55 26.3 21.4 32.0

61 25.7 22.8 34.2

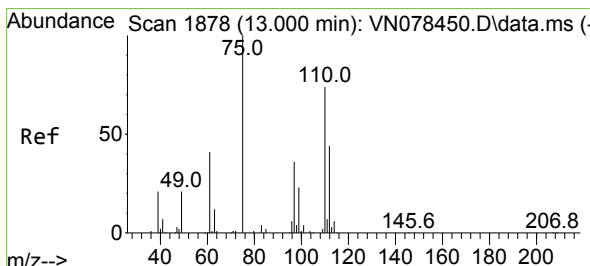
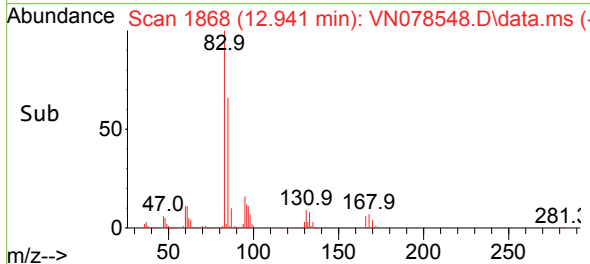
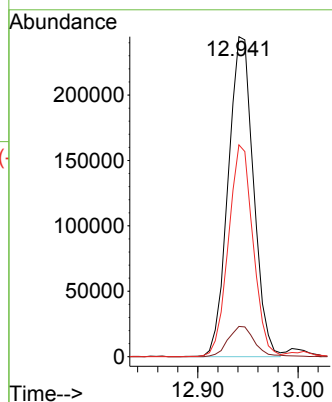
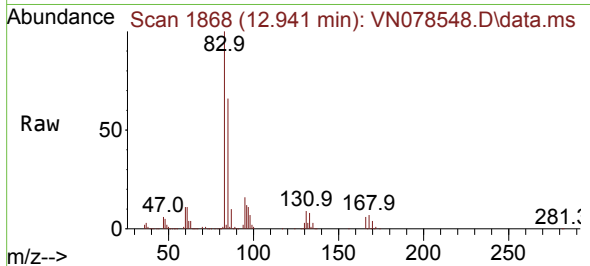




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 53.780 ug/l  
 RT: 12.941 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

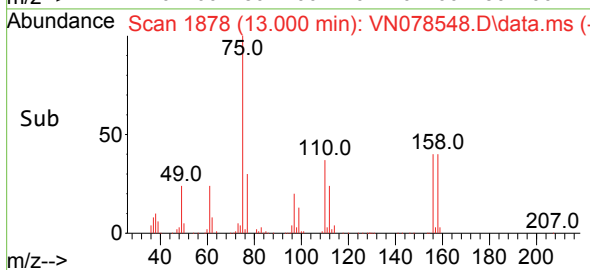
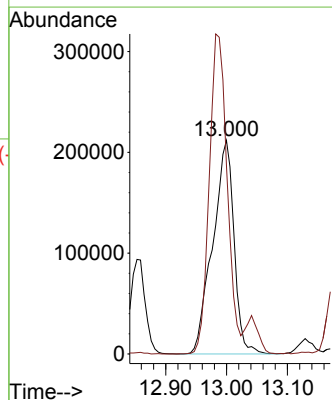
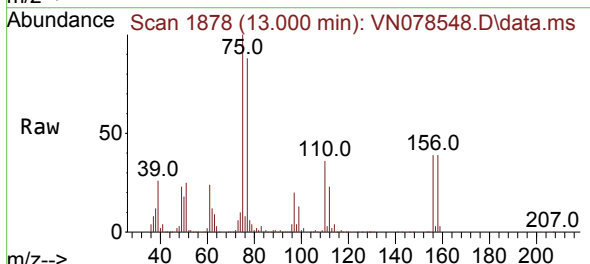
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

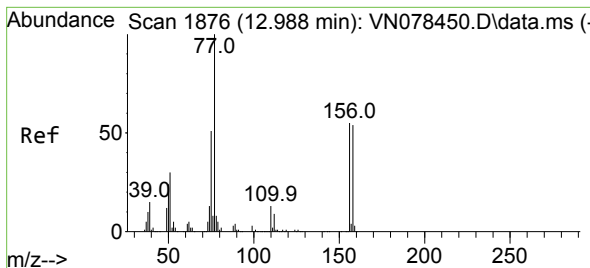
Tgt Ion: 83 Resp: 429195  
 Ion Ratio Lower Upper  
 83 100  
 131 9.9 5.0 15.0  
 85 64.4 31.9 95.7



#76  
 1,2,3-Trichloropropane  
 Concen: 69.650 ug/l  
 RT: 13.000 min Scan# 1878  
 Delta R.T. -0.000 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

Tgt Ion: 75 Resp: 514173  
 Ion Ratio Lower Upper  
 75 100  
 77 125.9 84.5 253.5





#77

Bromobenzene

Concen: 49.412 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

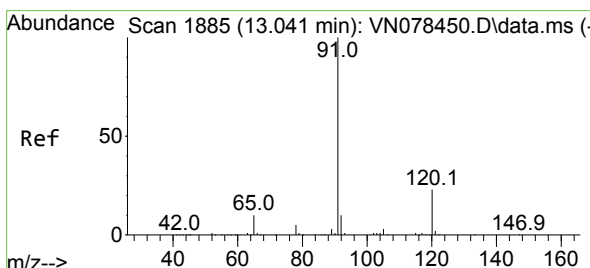
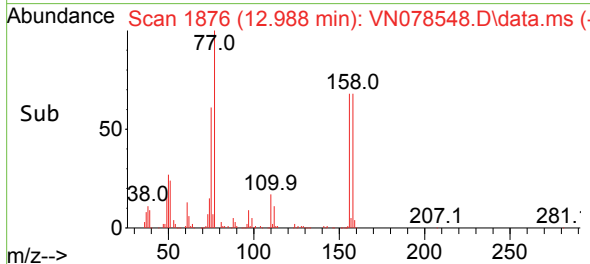
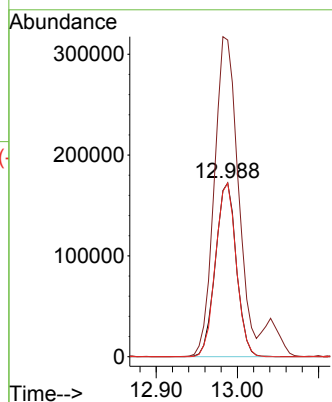
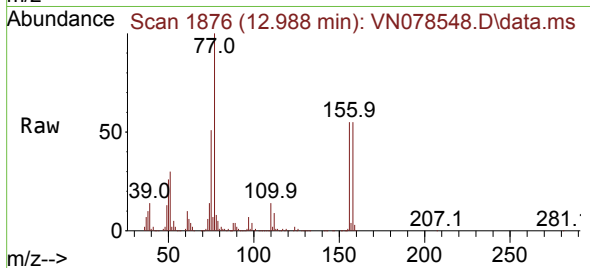
Tgt Ion:156 Resp: 308489

Ion Ratio Lower Upper

156 100

77 209.8 107.7 323.3

158 99.0 48.4 145.3



#78

n-propylbenzene

Concen: 48.389 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN078548.D

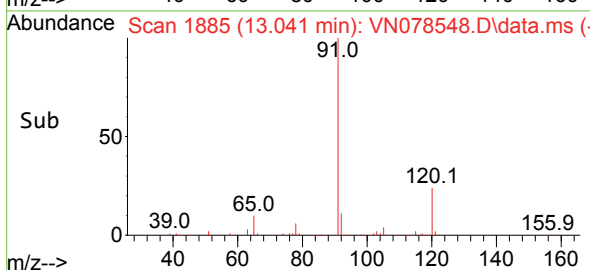
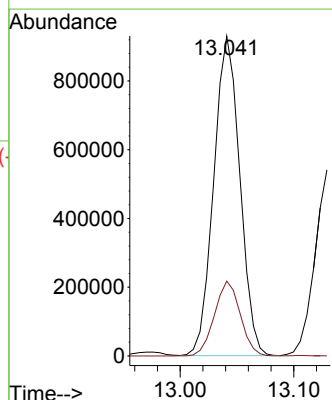
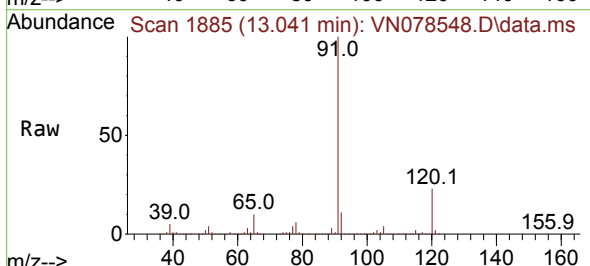
Acq: 17 Jul 2023 17:28

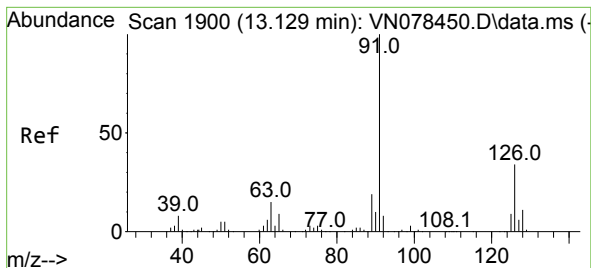
Tgt Ion: 91 Resp: 1485096

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.4





#79

2-Chlorotoluene

Concen: 46.482 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

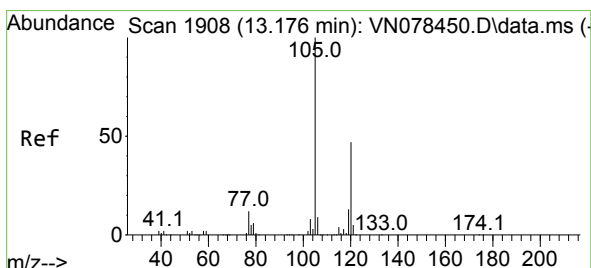
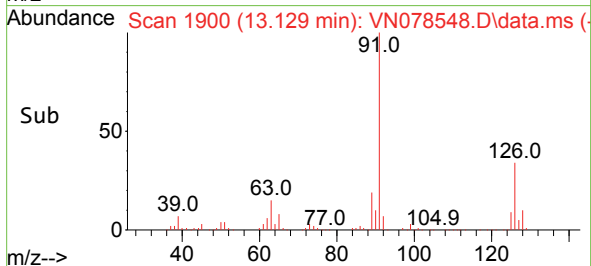
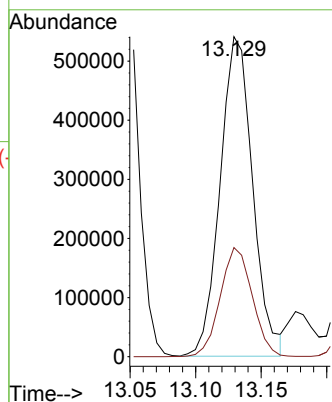
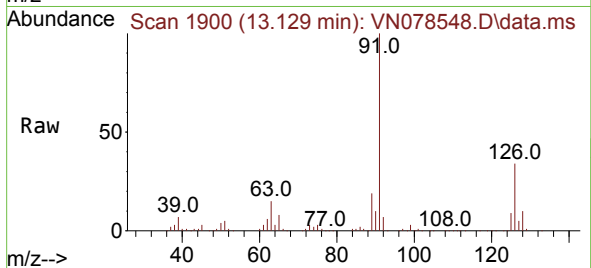
VSTDCCC050EC

Tgt Ion: 91 Resp: 934428

Ion Ratio Lower Upper

91 100

126 33.6 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 47.849 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078548.D

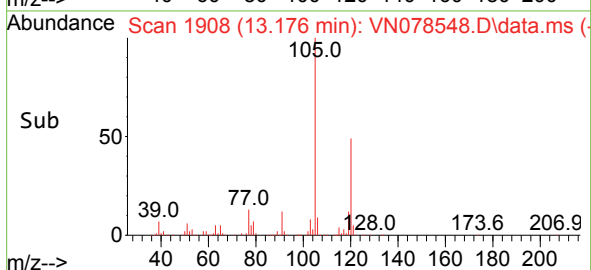
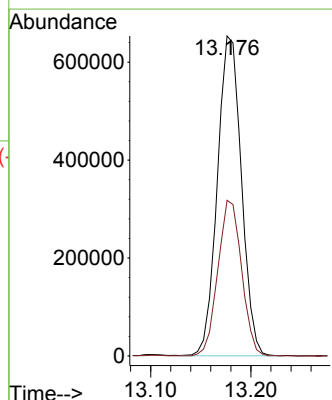
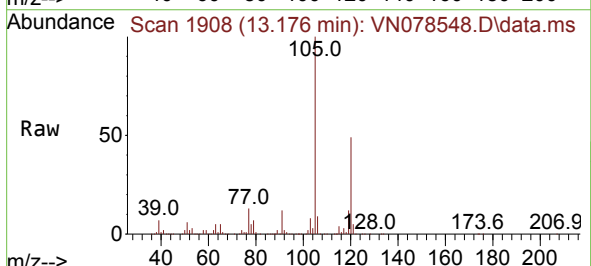
Acq: 17 Jul 2023 17:28

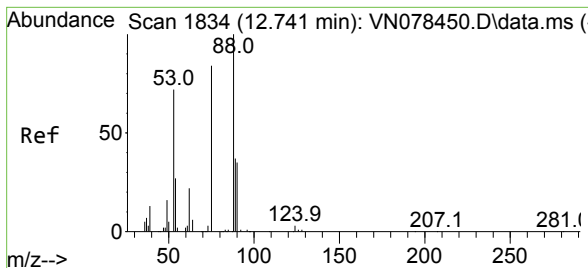
Tgt Ion: 105 Resp: 1084979

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3

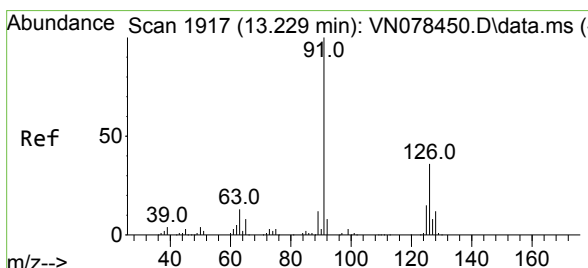
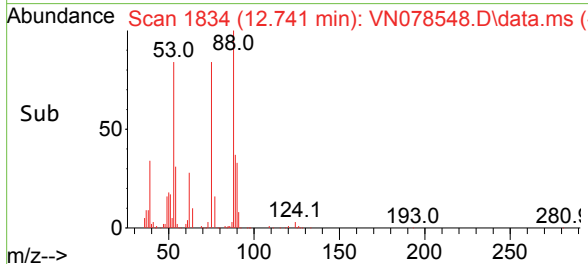
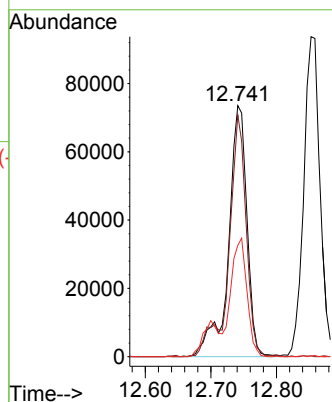
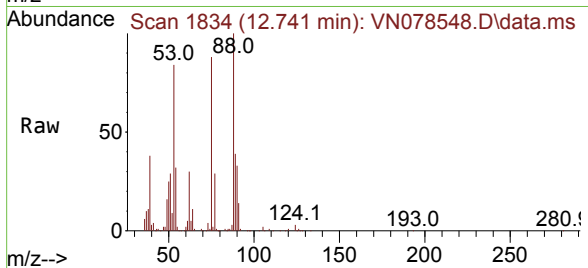




#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.582 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

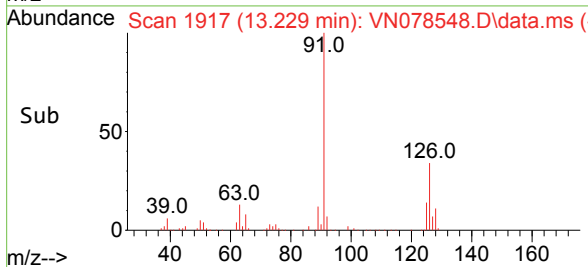
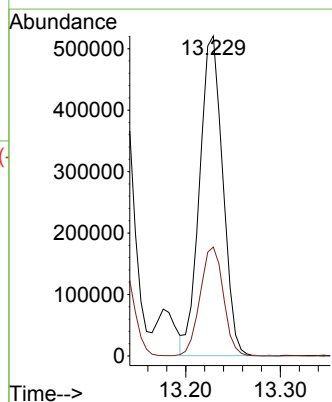
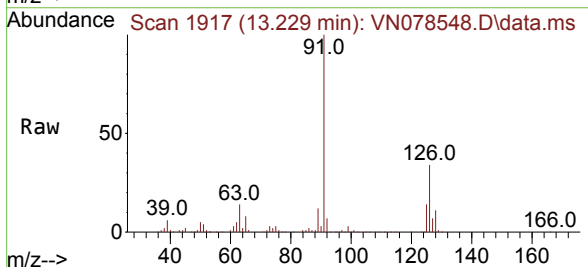
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

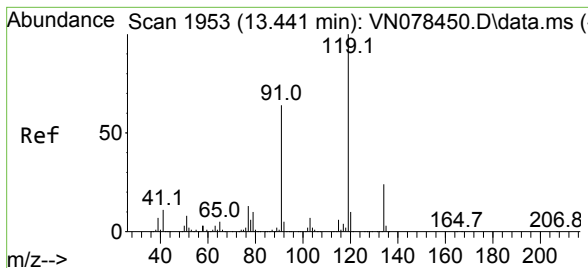
Tgt Ion: 75 Resp: 144908  
Ion Ratio Lower Upper  
75 100  
53 77.2 67.4 101.2  
89 40.4 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 46.990 ug/l  
RT: 13.229 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion: 91 Resp: 881230  
Ion Ratio Lower Upper  
91 100  
126 34.3 16.7 50.0

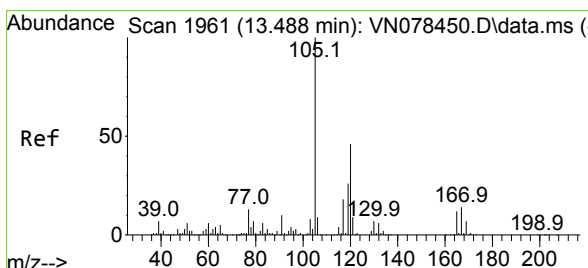
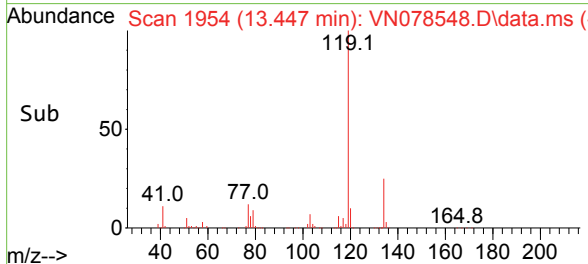
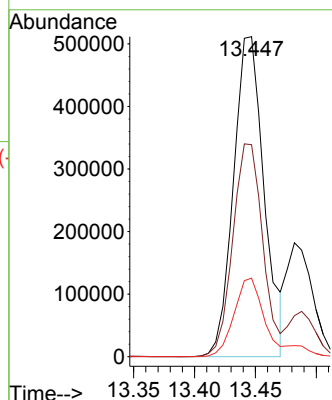
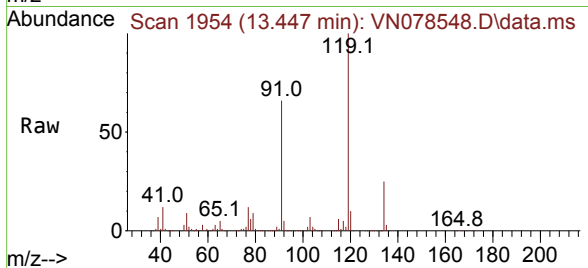




#83  
tert-Butylbenzene  
Concen: 46.557 ug/l  
RT: 13.447 min Scan# 1953  
Delta R.T. 0.006 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

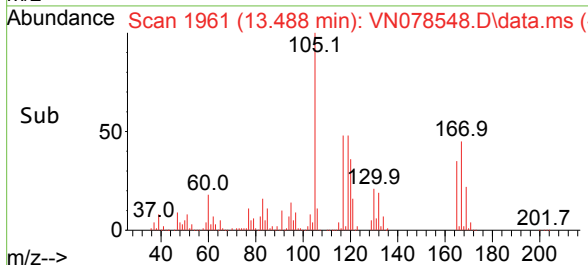
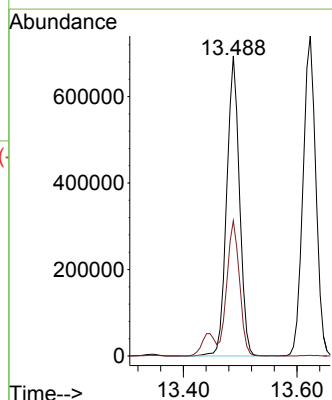
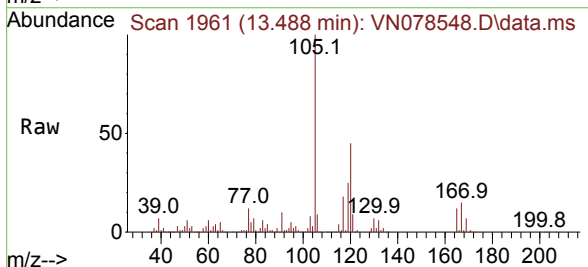
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

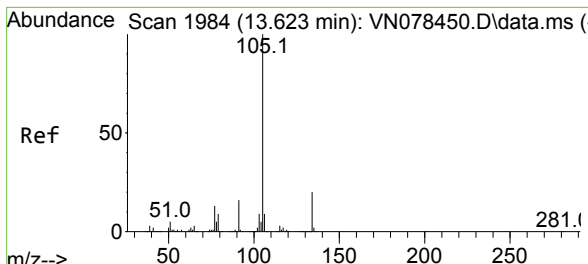
Tgt Ion:119 Resp: 896273  
Ion Ratio Lower Upper  
119 100  
91 65.1 33.9 101.7  
134 26.1 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 49.313 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion:105 Resp: 1086121  
Ion Ratio Lower Upper  
105 100  
120 44.7 22.0 66.0

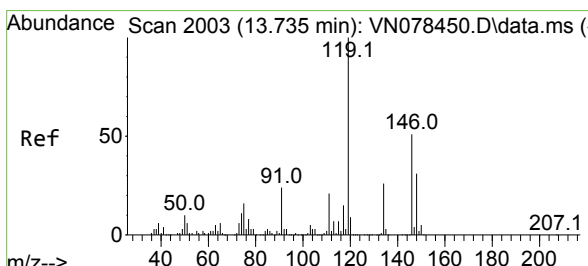
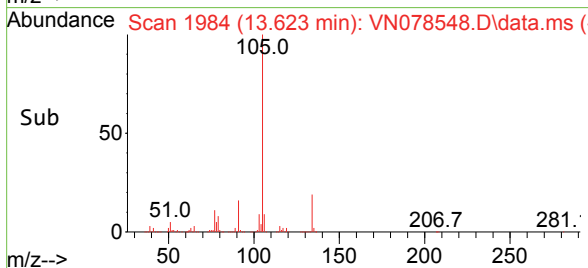
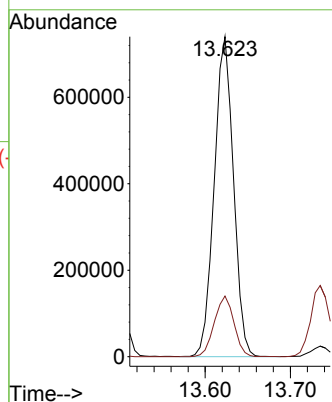
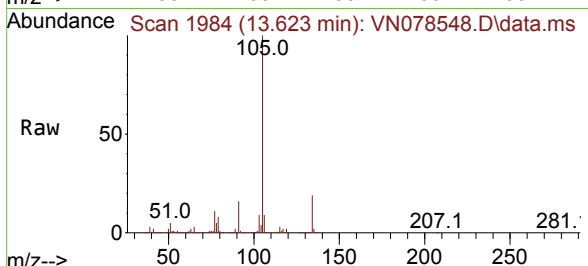




#85  
 sec-Butylbenzene  
 Concen: 47.704 ug/l  
 RT: 13.623 min Scan# 1984  
 Delta R.T. 0.000 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

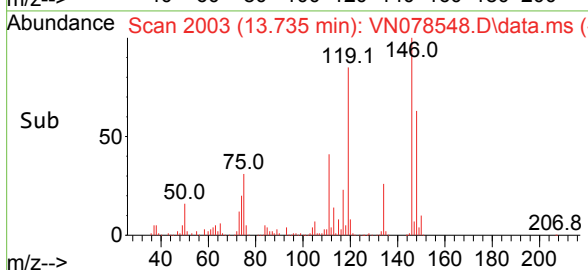
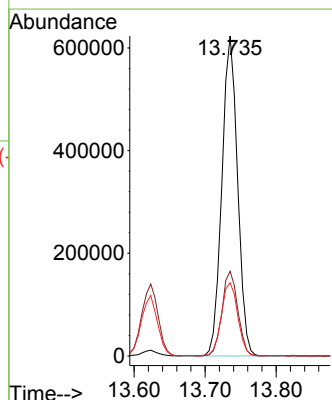
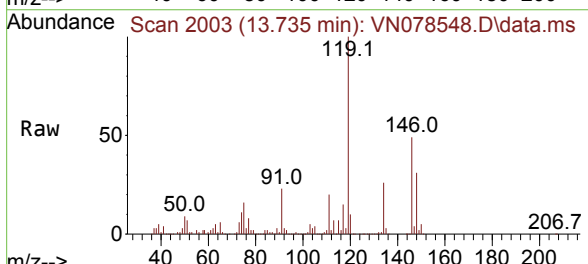
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

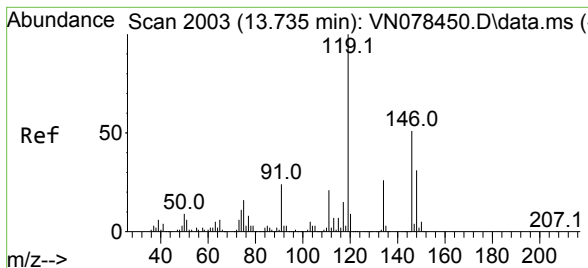
Tgt Ion:105 Resp: 1160804  
 Ion Ratio Lower Upper  
 105 100  
 134 19.3 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 48.738 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

Tgt Ion:119 Resp: 952296  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 12.6 37.8  
 91 23.8 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 48.741 ug/l

RT: 13.741 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

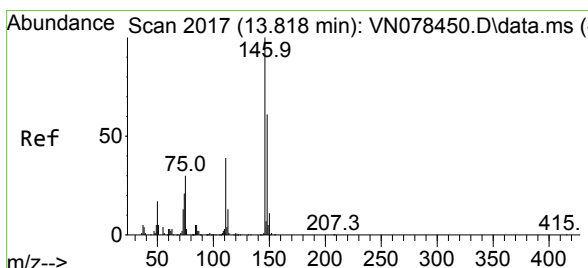
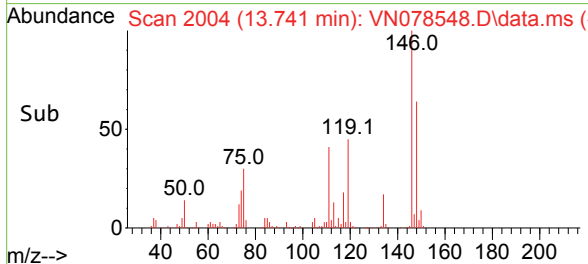
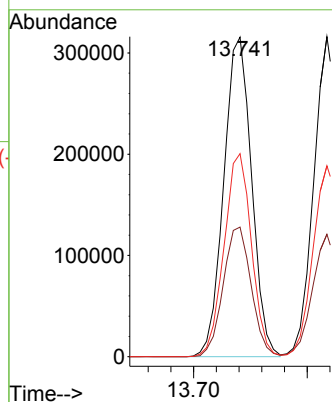
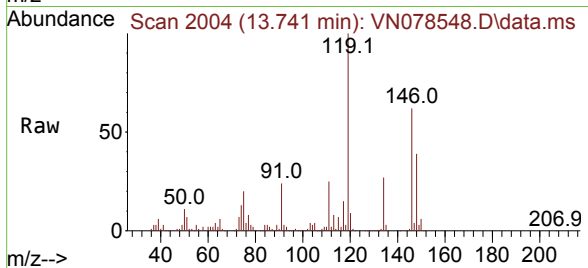
Tgt Ion:146 Resp: 536983

Ion Ratio Lower Upper

146 100

111 40.8 22.1 66.3

148 62.6 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 46.118 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. -0.001 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

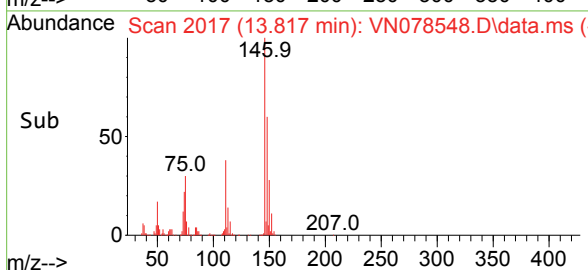
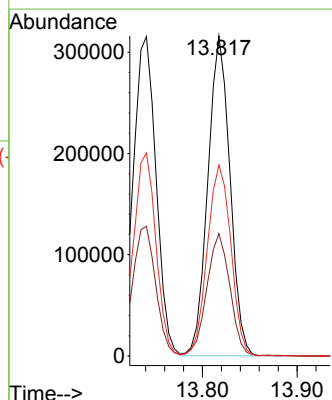
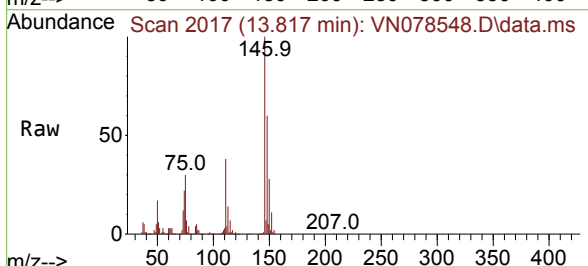
Tgt Ion:146 Resp: 511764

Ion Ratio Lower Upper

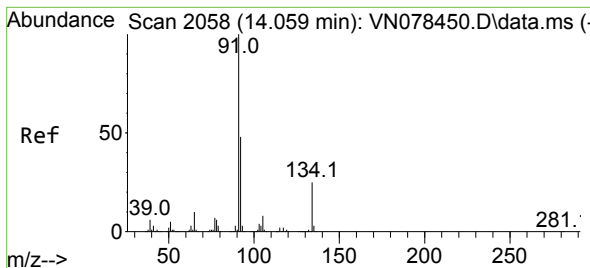
146 100

111 39.7 20.6 61.8

148 63.8 31.6 94.8







#89

n-Butylbenzene

Concen: 52.438 ug/l

RT: 14.064 min Scan# 2058

Delta R.T. 0.005 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

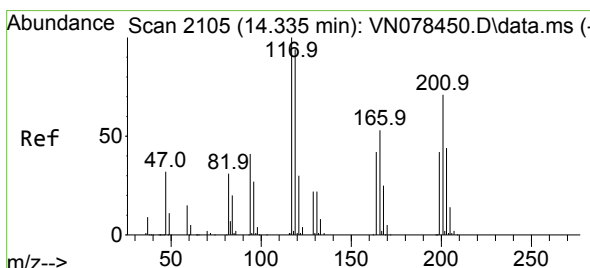
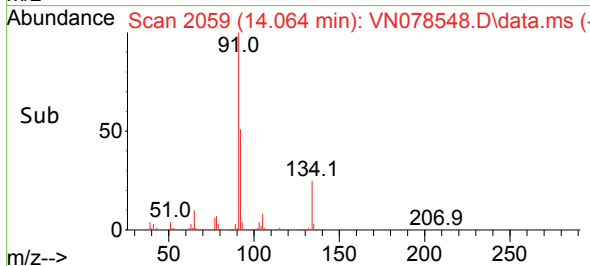
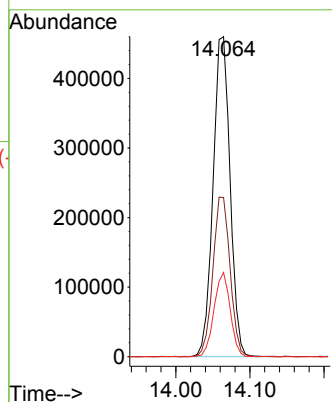
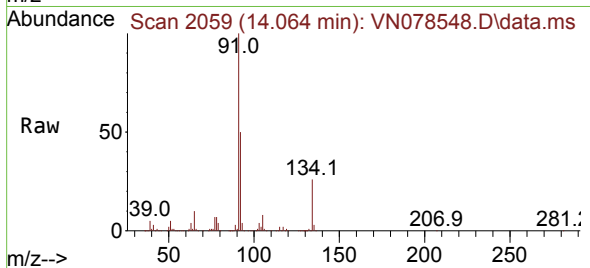
Tgt Ion: 91 Resp: 733102

Ion Ratio Lower Upper

91 100

92 50.4 26.4 79.0

134 25.1 12.6 37.6



#90

Hexachloroethane

Concen: 49.904 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. 0.006 min

Lab File: VN078548.D

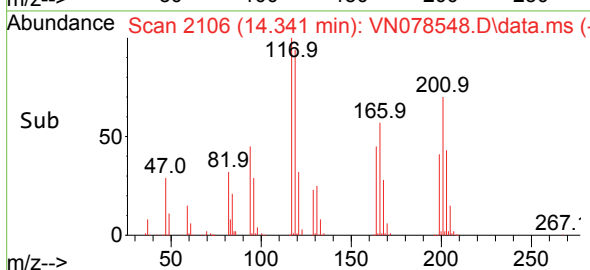
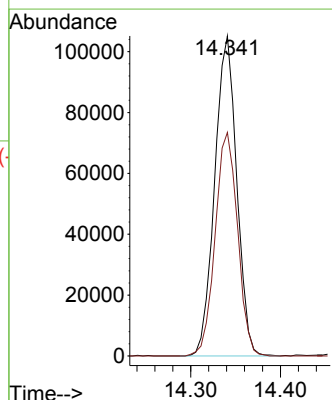
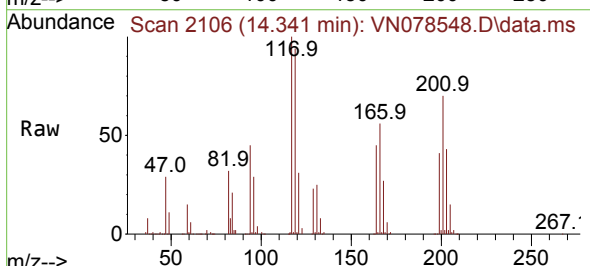
Acq: 17 Jul 2023 17:28

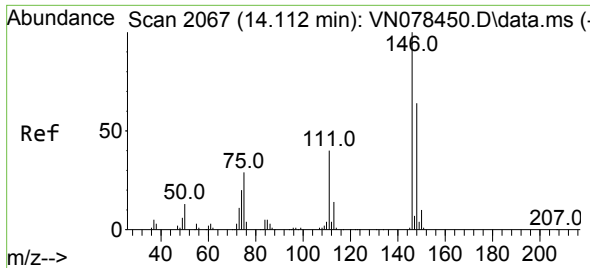
Tgt Ion: 117 Resp: 179223

Ion Ratio Lower Upper

117 100

201 71.0 29.3 88.0

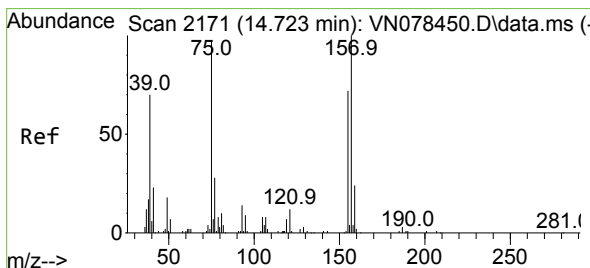
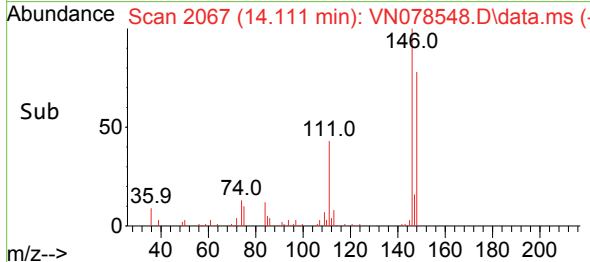
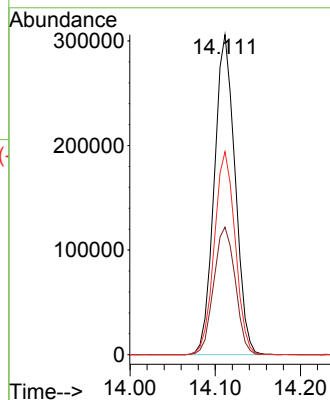
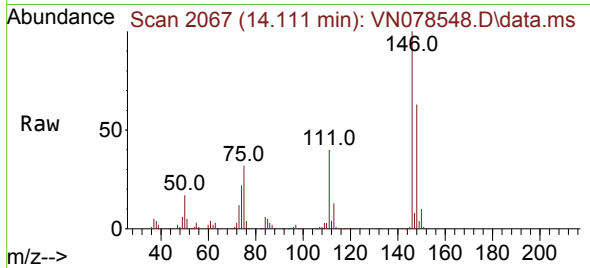




#91  
 1,2-Dichlorobenzene  
 Concen: 47.357 ug/l  
 RT: 14.111 min Scan# 2067  
 Delta R.T. -0.001 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

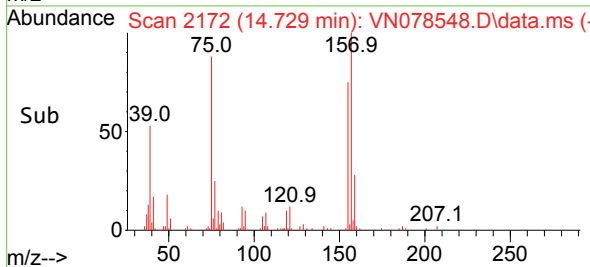
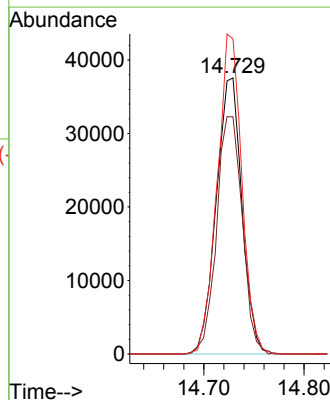
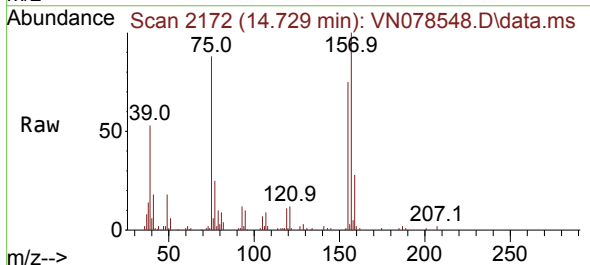
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

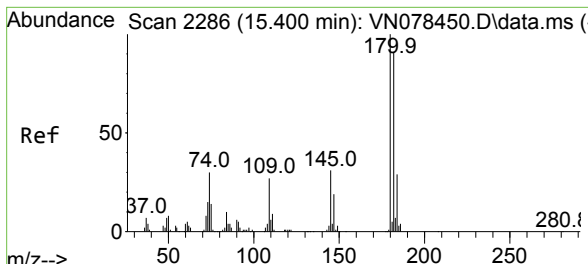
Tgt Ion:146 Resp: 519218  
 Ion Ratio Lower Upper  
 146 100  
 111 41.2 22.0 66.0  
 148 63.8 31.8 95.3



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.530 ug/l  
 RT: 14.729 min Scan# 2172  
 Delta R.T. 0.006 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

Tgt Ion: 75 Resp: 66752  
 Ion Ratio Lower Upper  
 75 100  
 155 86.0 39.1 117.2  
 157 111.4 50.3 150.9

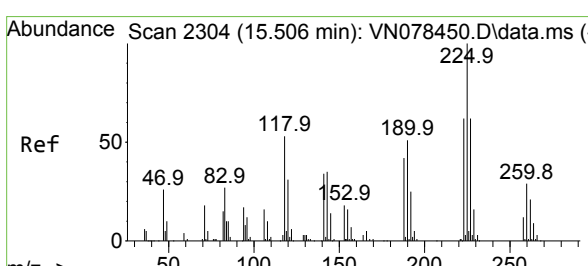
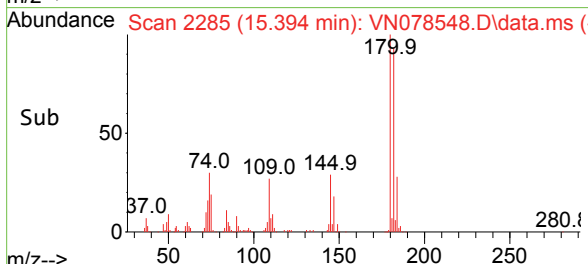
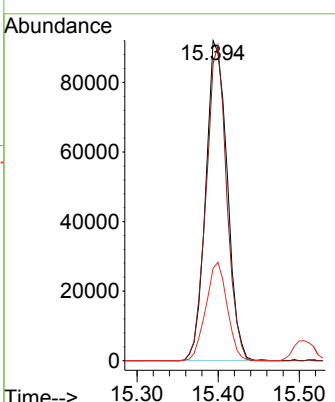
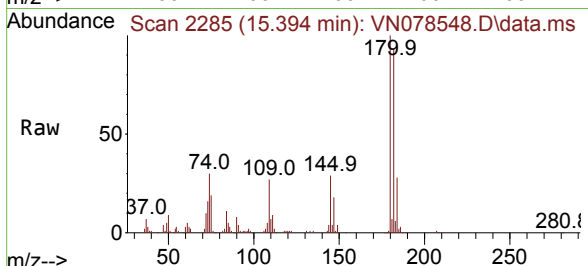




#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.185 ug/l  
 RT: 15.394 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

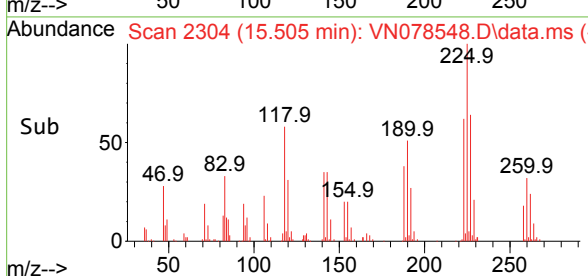
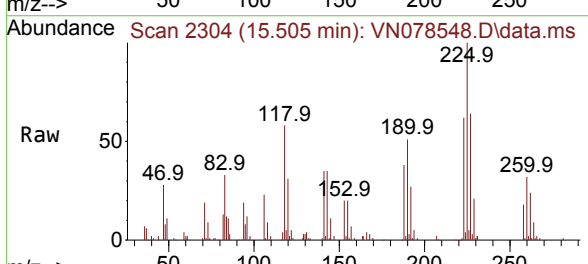
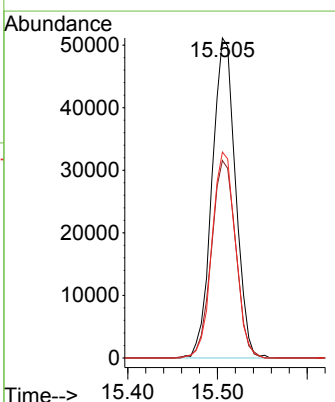
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

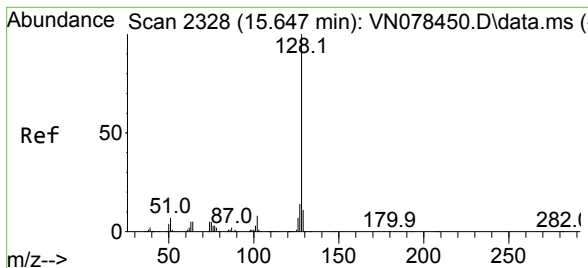
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 168606 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.8  | 46.1  | 138.2  |
| 145       | 30.7  | 16.6  | 49.8   |



#94  
 Hexachlorobutadiene  
 Concen: 51.288 ug/l  
 RT: 15.505 min Scan# 2304  
 Delta R.T. -0.001 min  
 Lab File: VN078548.D  
 Acq: 17 Jul 2023 17:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 92647 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.9  | 31.3  | 93.8  |
| 227       | 64.4  | 31.9  | 95.9  |

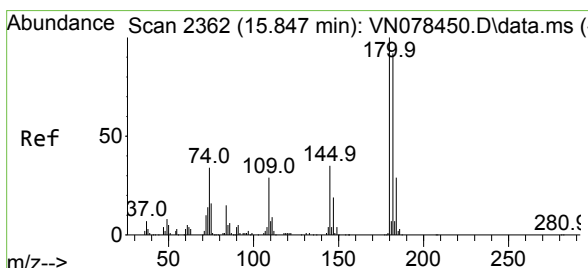
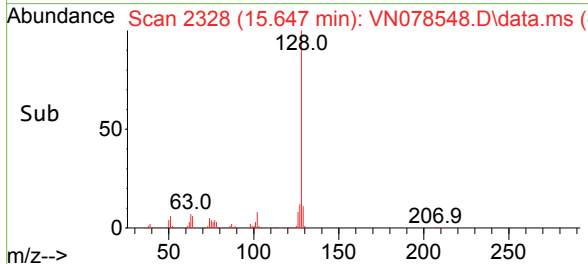
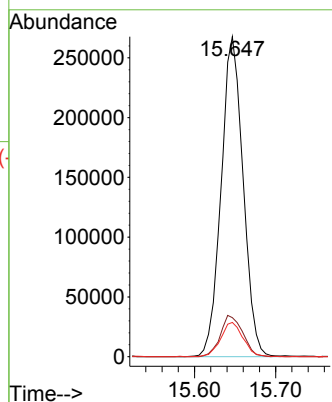
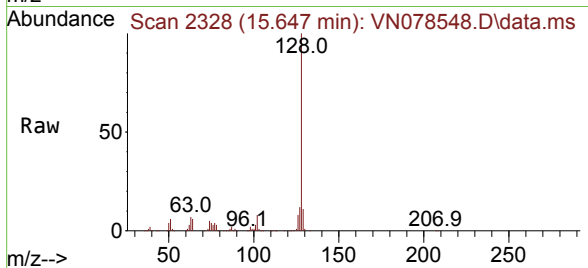




#95  
Naphthalene  
Concen: 42.077 ug/l  
RT: 15.647 min Scan# 2328  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 503345  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.0 15.0  
129 11.0 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 45.283 ug/l  
RT: 15.847 min Scan# 2362  
Delta R.T. -0.000 min  
Lab File: VN078548.D  
Acq: 17 Jul 2023 17:28

Tgt Ion:180 Resp: 182195  
Ion Ratio Lower Upper  
180 100  
182 94.7 46.2 138.6  
145 34.1 17.5 52.6

