

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052324\  
 Data File : VN082309.D  
 Acq On : 23 May 2024 09:55  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: May 24 04:12:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 16 05:21:06 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 8.224  | 168   | 196803   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114   | 334446   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 307796   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 150241   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.583  | 65    | 156132   | 50.242   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 100.480% |          |
| 35) Dibromofluoromethane     | 8.171  | 113   | 108642   | 52.807   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 105.620% |          |
| 50) Toluene-d8               | 10.571 | 98    | 403436   | 51.147   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 102.300% |          |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 149712   | 53.178   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 64 - 133 | Recovery | = 106.360% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 123765   | 43.619   | ug/l       | 100      |
| 3) Chloromethane             | 2.359  | 50    | 143518   | 44.631   | ug/l       | 100      |
| 4) Vinyl Chloride            | 2.512  | 62    | 138161   | 45.703   | ug/l       | 100      |
| 5) Bromomethane              | 2.948  | 94    | 77537    | 44.623   | ug/l       | 95       |
| 6) Chloroethane              | 3.118  | 64    | 95024    | 48.139   | ug/l       | 98       |
| 7) Trichlorofluoromethane    | 3.495  | 101   | 187073   | 47.258   | ug/l       | 97       |
| 8) Diethyl Ether             | 3.959  | 74    | 70502    | 49.994   | ug/l       | 71       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 106066   | 45.867   | ug/l       | 98       |
| 10) Methyl Iodide            | 4.589  | 142   | 116357   | 50.053   | ug/l       | 93       |
| 11) Tert butyl alcohol       | 5.518  | 59    | 123264   | 247.104  | ug/l       | 99       |
| 12) 1,1-Dichloroethene       | 4.342  | 96    | 101882   | 47.402   | ug/l       | 84       |
| 13) Acrolein                 | 4.183  | 56    | 61567    | 166.553  | ug/l       | 99       |
| 14) Allyl chloride           | 5.024  | 41    | 209679   | 45.566   | ug/l #     | 91       |
| 15) Acrylonitrile            | 5.718  | 53    | 329823   | 255.297  | ug/l       | 99       |
| 16) Acetone                  | 4.430  | 43    | 300233   | 235.517  | ug/l       | 90       |
| 17) Carbon Disulfide         | 4.712  | 76    | 285597   | 41.141   | ug/l       | 98       |
| 18) Methyl Acetate           | 5.024  | 43    | 161222   | 50.784   | ug/l #     | 86       |
| 19) Methyl tert-butyl Ether  | 5.795  | 73    | 393628   | 50.104   | ug/l       | 95       |
| 20) Methylene Chloride       | 5.277  | 84    | 122502   | 47.629   | ug/l #     | 78       |
| 21) trans-1,2-Dichloroethene | 5.783  | 96    | 109208   | 46.626   | ug/l #     | 75       |
| 22) Diisopropyl ether        | 6.671  | 45    | 478147   | 49.760   | ug/l #     | 92       |
| 23) Vinyl Acetate            | 6.606  | 43    | 1909831  | 252.091  | ug/l #     | 89       |
| 24) 1,1-Dichloroethane       | 6.565  | 63    | 239855   | 48.429   | ug/l       | 96       |
| 25) 2-Butanone               | 7.483  | 43    | 488894   | 252.950  | ug/l #     | 82       |
| 26) 2,2-Dichloropropane      | 7.489  | 77    | 202073   | 48.711   | ug/l       | 96       |
| 27) cis-1,2-Dichloroethene   | 7.489  | 96    | 135970   | 49.190   | ug/l       | 81       |
| 28) Bromochloromethane       | 7.812  | 49    | 111050   | 51.669   | ug/l #     | 75       |
| 29) Tetrahydrofuran          | 7.841  | 42    | 325950   | 262.663  | ug/l #     | 82       |
| 30) Chloroform               | 7.965  | 83    | 235784   | 49.853   | ug/l       | 99       |
| 31) Cyclohexane              | 8.259  | 56    | 212476   | 42.810   | ug/l       | 88       |
| 32) 1,1,1-Trichloroethane    | 8.171  | 97    | 209679   | 49.972   | ug/l       | 93       |
| 36) 1,1-Dichloropropene      | 8.371  | 75    | 167974   | 48.681   | ug/l       | 95       |
| 37) Ethyl Acetate            | 7.565  | 43    | 198000   | 51.275   | ug/l       | 96       |
| 38) Carbon Tetrachloride     | 8.365  | 117   | 178128   | 50.925   | ug/l       | 99       |
| 39) Methylcyclohexane        | 9.606  | 83    | 180854   | 47.817   | ug/l #     | 89       |
| 40) Benzene                  | 8.606  | 78    | 514924   | 50.044   | ug/l       | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: May 24 04:12:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 16 05:21:06 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 114234   | 50.301   | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 200500   | 50.665   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 400461   | 58.526   | ug/l # | 85       |
| 44) Trichloroethene           | 9.353  | 130  | 116528   | 49.856   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 134787   | 50.771   | ug/l   | 100      |
| 46) Dibromomethane            | 9.712  | 93   | 87971    | 50.472   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.888  | 83   | 191076   | 51.929   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.682  | 41   | 173208   | 53.125   | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 52856    | 1156.910 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 1055353  | 271.464  | ug/l   | 90       |
| 52) Toluene                   | 10.629 | 92   | 321677   | 52.095   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 203593   | 53.500   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 209683   | 52.054   | ug/l # | 79       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 116909   | 52.100   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 210255   | 55.189   | ug/l # | 72       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 216660   | 51.640   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 524254   | 266.785  | ug/l   | 91       |
| 59) 2-Hexanone                | 11.200 | 43   | 785103   | 275.809  | ug/l   | 89       |
| 60) Dibromochloromethane      | 11.365 | 129  | 139579   | 56.365   | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 118765   | 51.529   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 113934   | 49.941   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.894 | 112  | 338930   | 49.845   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 119928   | 53.545   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 622893   | 51.209   | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.071 | 106  | 464313   | 104.152  | ug/l   | 94       |
| 69) o-Xylene                  | 12.400 | 106  | 223778   | 51.820   | ug/l   | 92       |
| 70) Styrene                   | 12.412 | 104  | 384564   | 53.614   | ug/l   | 96       |
| 71) Bromoform                 | 12.582 | 173  | 95658    | 53.647   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.694 | 105  | 575100   | 48.183   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.494 | 43   | 318721   | 48.546   | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 169218   | 49.182   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 241558   | 76.389   | ug/l   | 64       |
| 77) Bromobenzene              | 12.982 | 156  | 138527   | 48.701   | ug/l   | 88       |
| 78) n-propylbenzene           | 13.035 | 91   | 696670   | 49.290   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 421955   | 47.543   | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 485292   | 50.283   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 74878    | 55.384   | ug/l # | 79       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 425600   | 49.046   | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 408066   | 48.330   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 492846   | 49.913   | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 580947   | 49.640   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 487383   | 51.243   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 251277   | 48.760   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 252331   | 47.975   | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 429071   | 50.191   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.335 | 117  | 89780    | 50.947   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 242621   | 49.738   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 36344    | 51.412   | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 131898   | 48.239   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 56279    | 46.908   | ug/l   | 99       |
| 95) Naphthalene               | 15.641 | 128  | 449196   | 52.422   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 132790   | 48.512   | ug/l   | 97       |

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Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

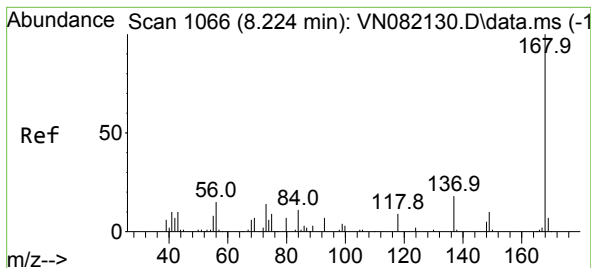
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: May 24 04:12:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 16 05:21:06 2024  
Response via : Initial Calibration

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

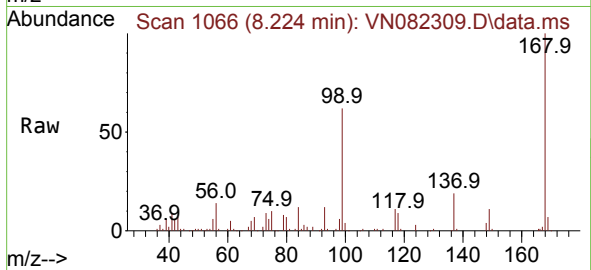
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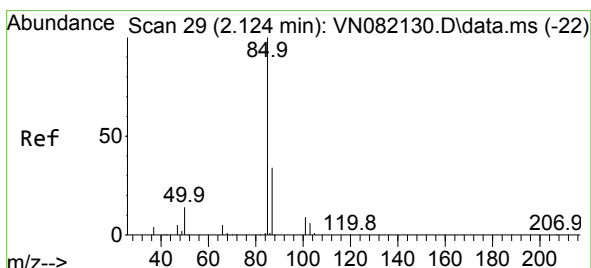
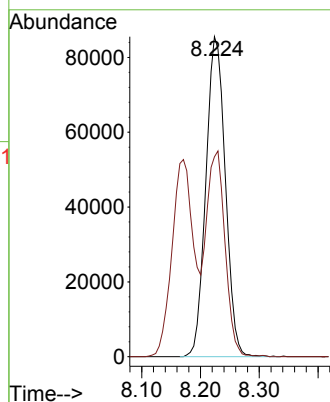
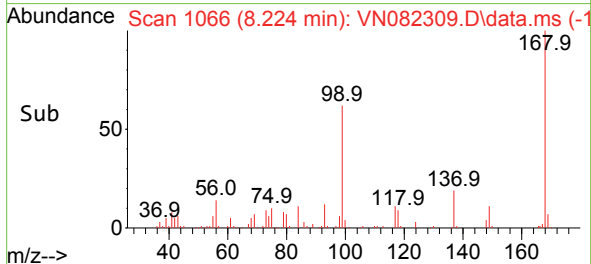


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Instrument :  
MSVOA\_N  
ClientSampleId :

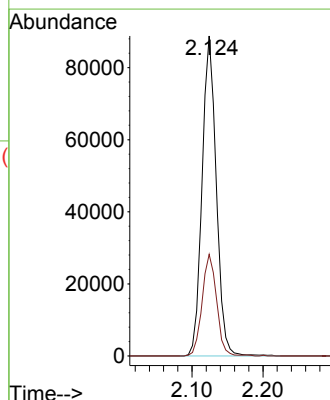
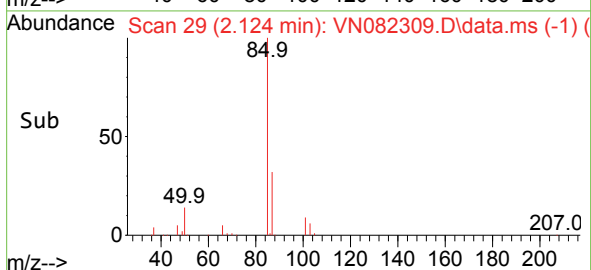
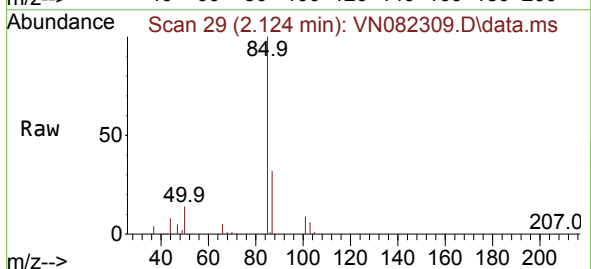


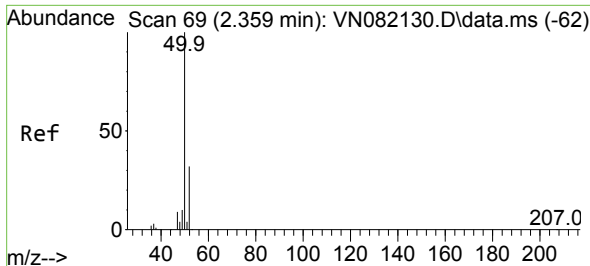
Tgt Ion:168 Resp: 196803  
Ion Ratio Lower Upper  
168 100  
99 62.5 48.2 72.4



#2  
Dichlorodifluoromethane  
Concen: 43.619 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 85 Resp: 123765  
Ion Ratio Lower Upper  
85 100  
87 31.8 15.8 47.4

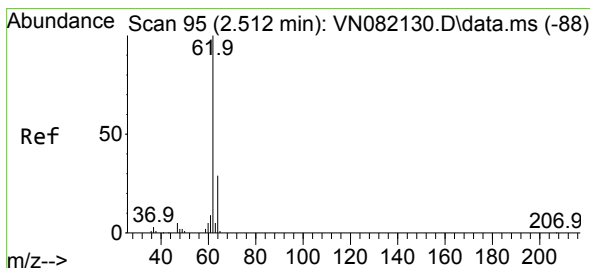
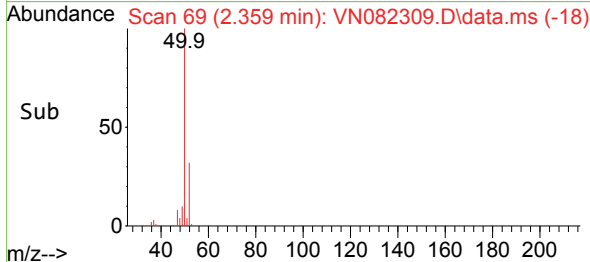
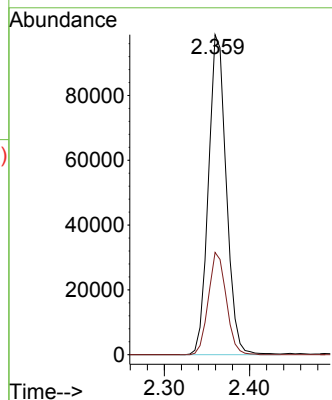
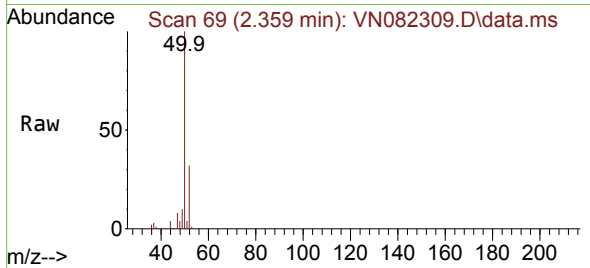




#3  
Chloromethane  
Concen: 44.631 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

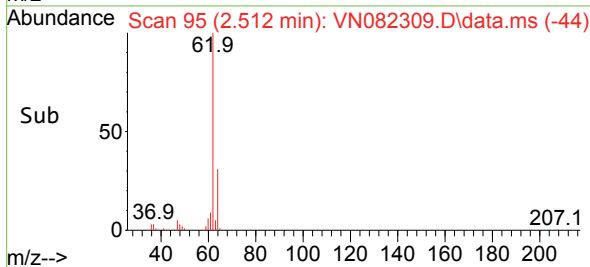
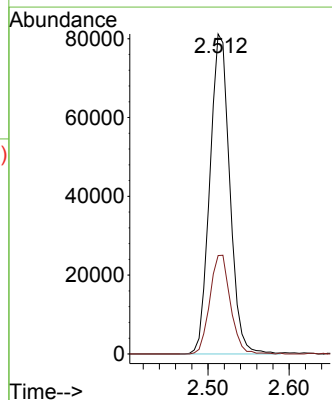
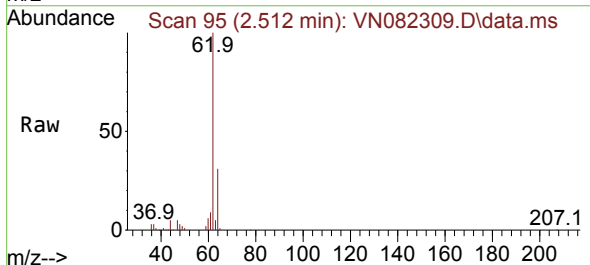
Instrument :  
MSVOA\_N  
ClientSampleId :

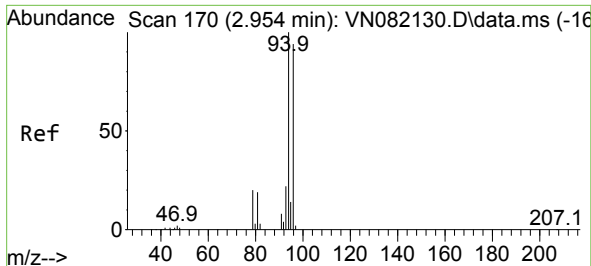
Tgt Ion: 50 Resp: 143518  
Ion Ratio Lower Upper  
50 100  
52 31.9 25.5 38.3



#4  
Vinyl Chloride  
Concen: 45.703 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

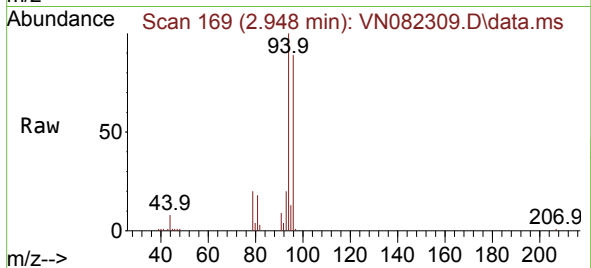
Tgt Ion: 62 Resp: 138161  
Ion Ratio Lower Upper  
62 100  
64 30.8 24.6 37.0



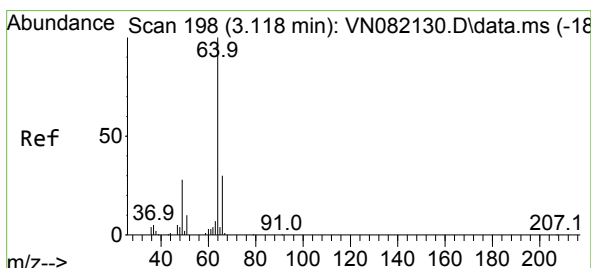
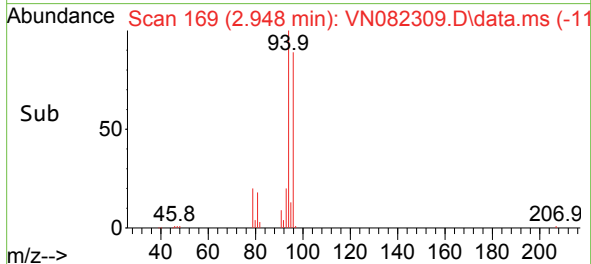
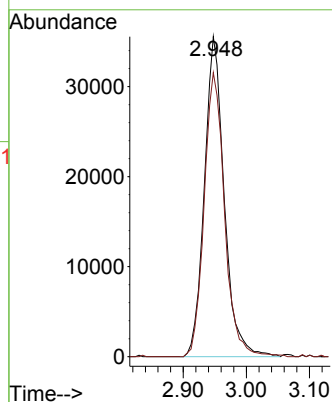


#5  
Bromomethane  
Concen: 44.623 ug/l  
RT: 2.948 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Instrument :  
MSVOA\_N  
ClientSampleId :

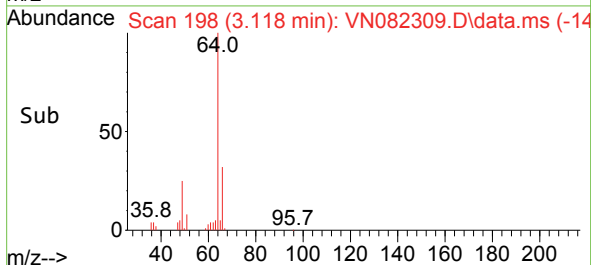
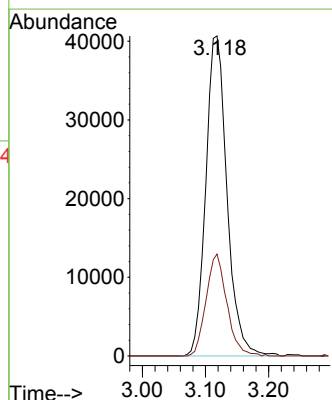
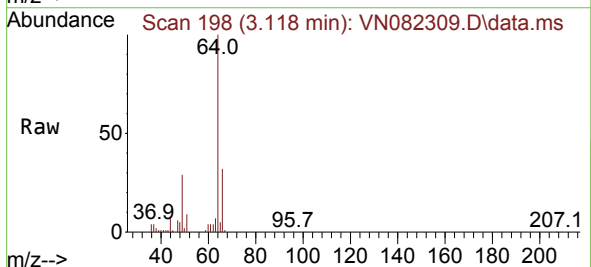


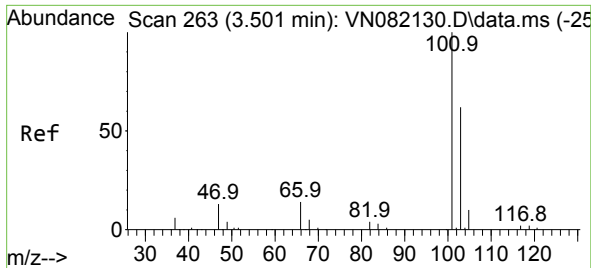
Tgt Ion: 94 Resp: 77537  
Ion Ratio Lower Upper  
94 100  
96 88.7 74.8 112.2



#6  
Chloroethane  
Concen: 48.139 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 64 Resp: 95024  
Ion Ratio Lower Upper  
64 100  
66 31.9 24.7 37.1

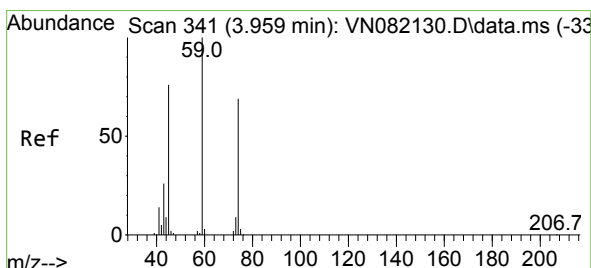
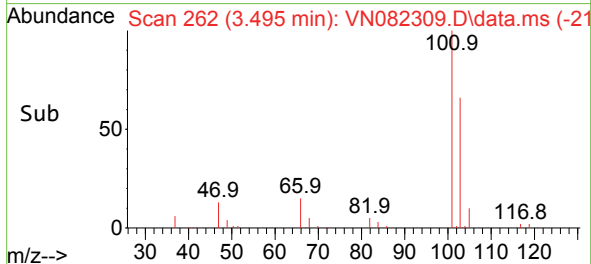
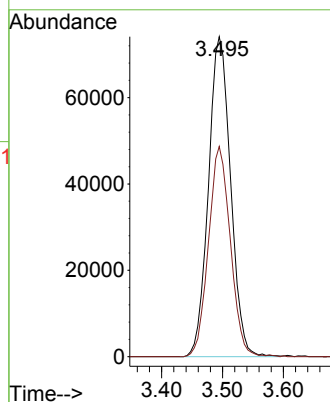
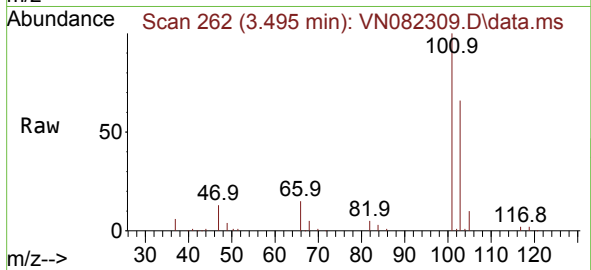




#7  
 Trichlorofluoromethane  
 Concen: 47.258 ug/l  
 RT: 3.495 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: VN082309.D  
 Acq: 23 May 2024 09:55

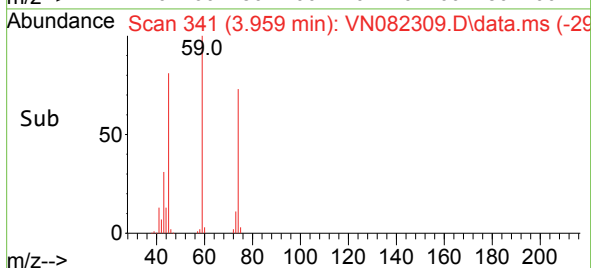
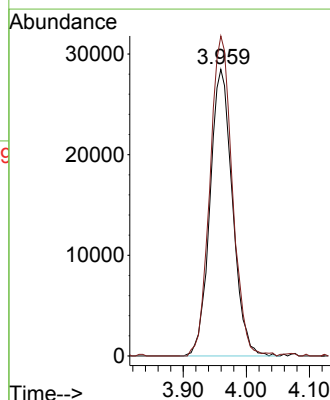
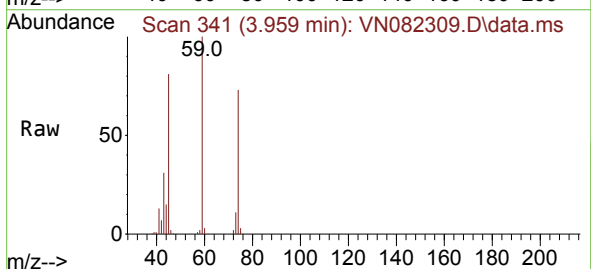
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion:101 Resp: 187073  
 Ion Ratio Lower Upper  
 101 100  
 103 65.7 50.6 75.8

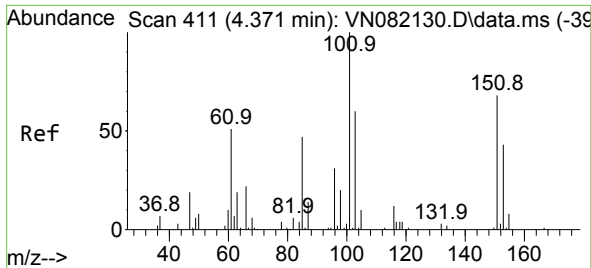


#8  
 Diethyl Ether  
 Concen: 49.994 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VN082309.D  
 Acq: 23 May 2024 09:55

Tgt Ion: 74 Resp: 70502  
 Ion Ratio Lower Upper  
 74 100  
 45 111.6 42.4 127.3



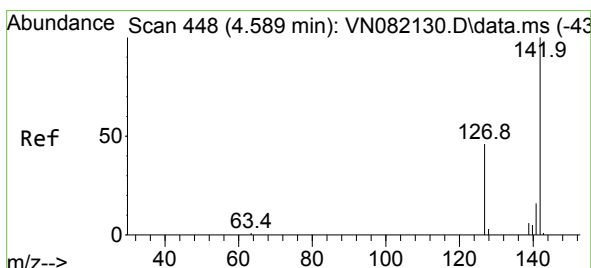
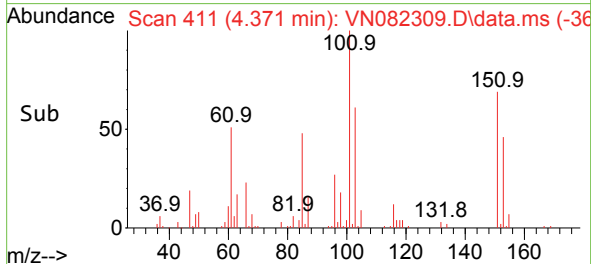
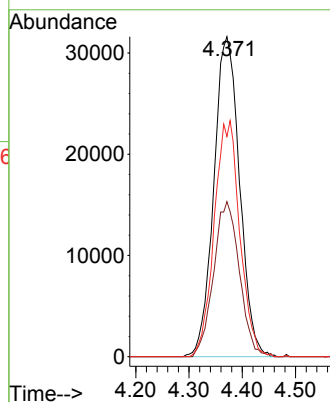
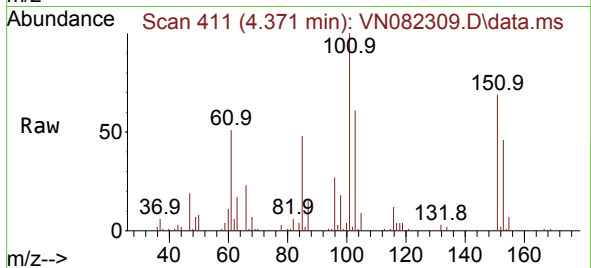




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.867 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

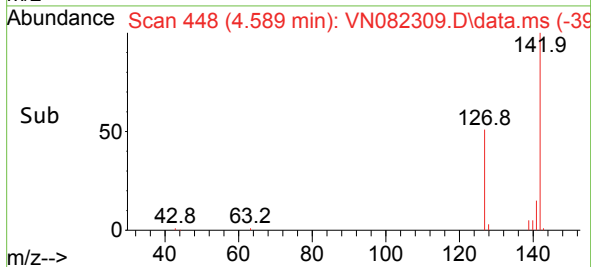
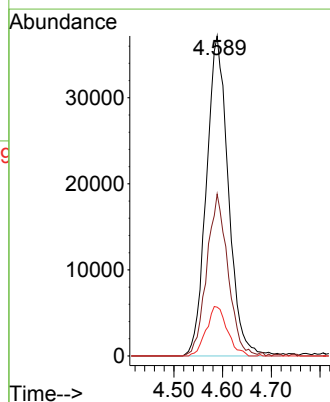
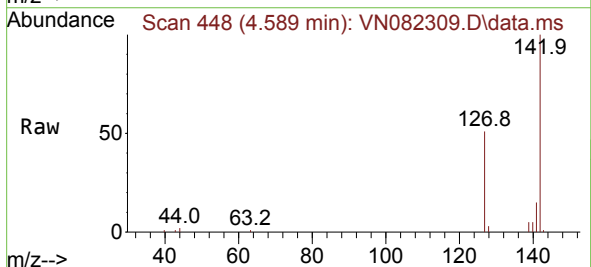
Instrument :  
MSVOA\_N  
ClientSampleId :

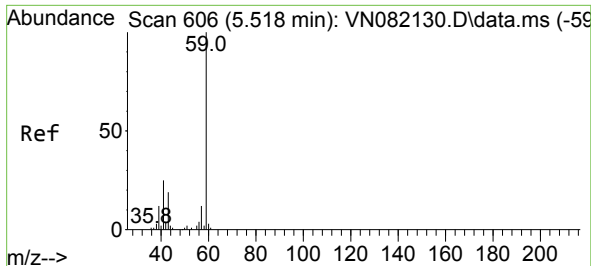
Tgt Ion:101 Resp: 106066  
Ion Ratio Lower Upper  
101 100  
85 48.6 37.3 55.9  
151 73.3 59.2 88.8



#10  
Methyl Iodide  
Concen: 50.053 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

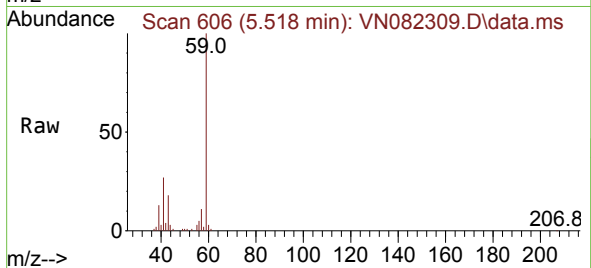
Tgt Ion:142 Resp: 116357  
Ion Ratio Lower Upper  
142 100  
127 50.6 35.8 53.6  
141 15.2 11.4 17.2



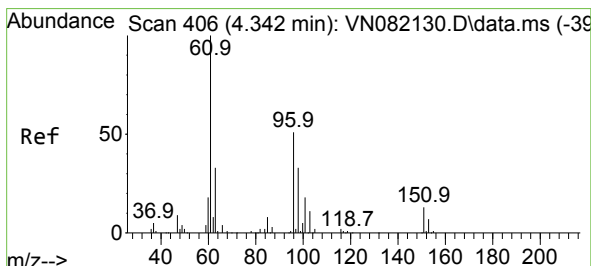
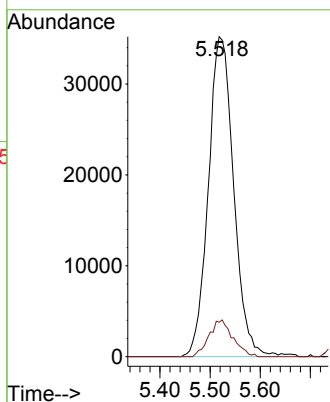
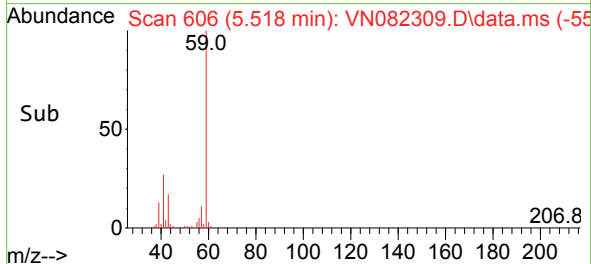


#11  
Tert butyl alcohol  
Concen: 247.104 ug/l  
RT: 5.518 min Scan# 606  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Instrument :  
MSVOA\_N  
ClientSampleId :

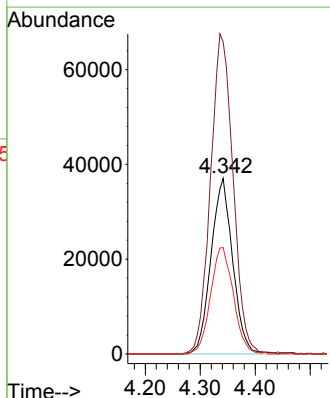
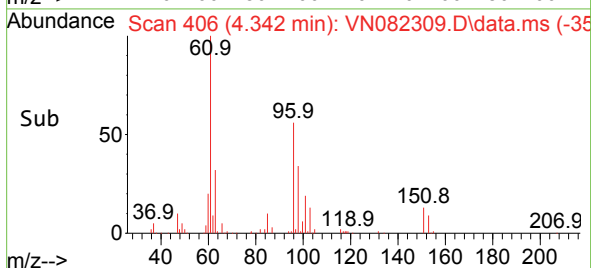
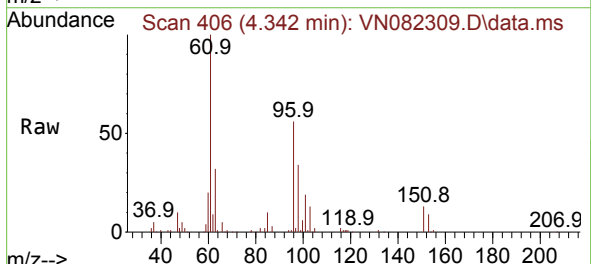


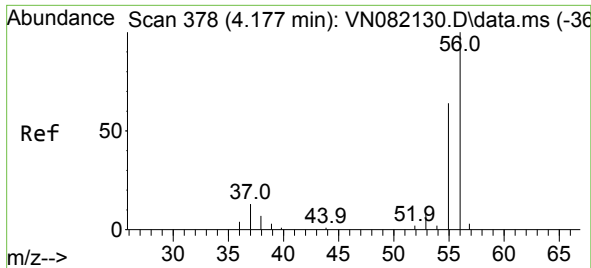
Tgt Ion: 59 Resp: 123264  
Ion Ratio Lower Upper  
59 100  
57 10.9 8.9 13.3



#12  
1,1-Dichloroethene  
Concen: 47.402 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 96 Resp: 101882  
Ion Ratio Lower Upper  
96 100  
61 177.7 119.7 179.5  
98 60.6 49.6 74.4





#13

Acrolein

Concen: 166.553 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

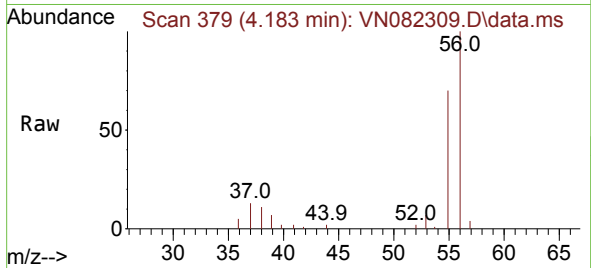
Lab File: VN082309.D

Acq: 23 May 2024 09:55

Instrument :

MSVOA\_N

ClientSampleId :

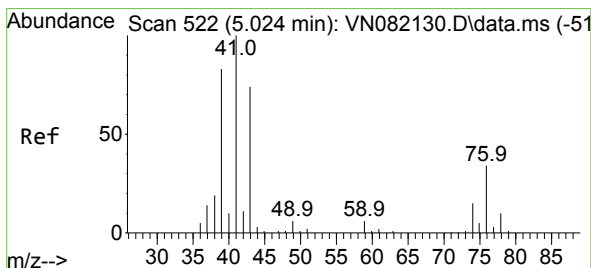
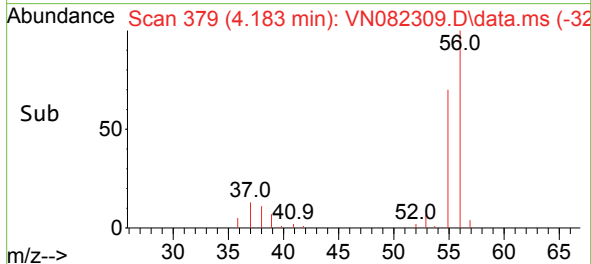
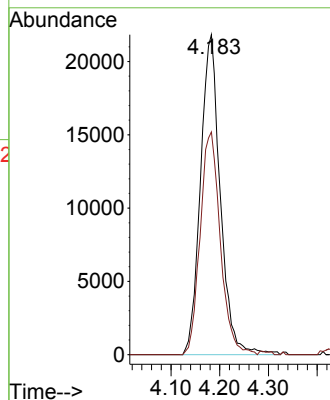


Tgt Ion: 56 Resp: 61567

Ion Ratio Lower Upper

56 100

55 70.8 55.8 83.8



#14

Allyl chloride

Concen: 45.566 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

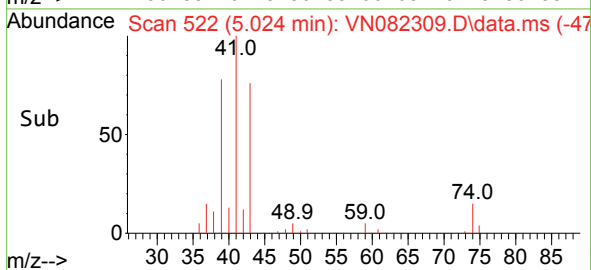
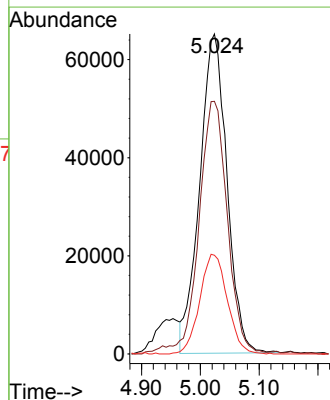
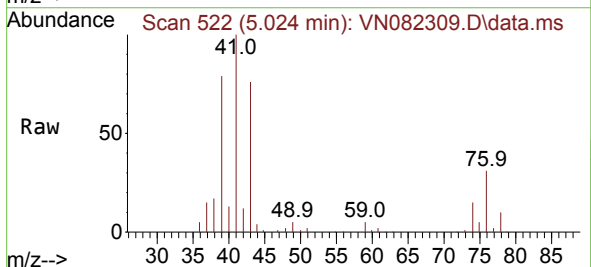
Tgt Ion: 41 Resp: 209679

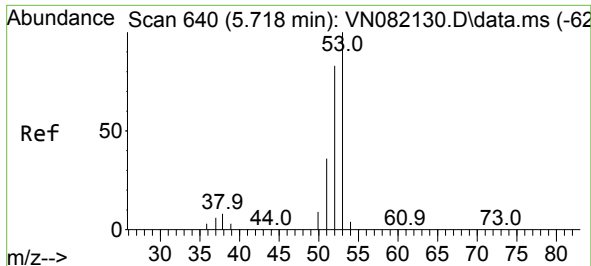
Ion Ratio Lower Upper

41 100

39 82.6 65.4 98.0

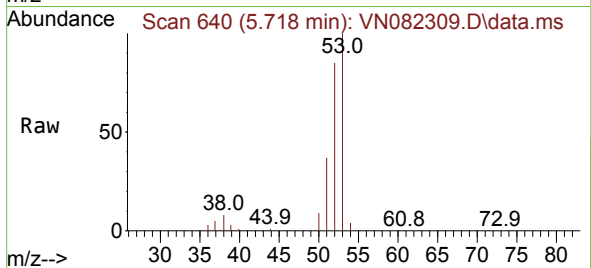
76 31.5 37.3 55.9#



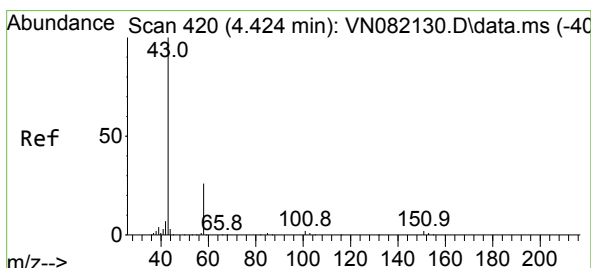
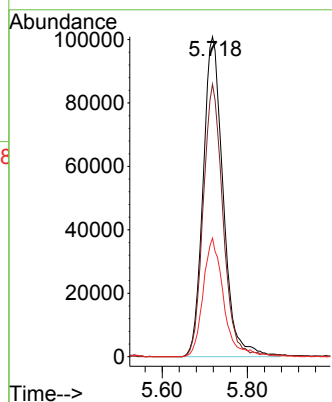
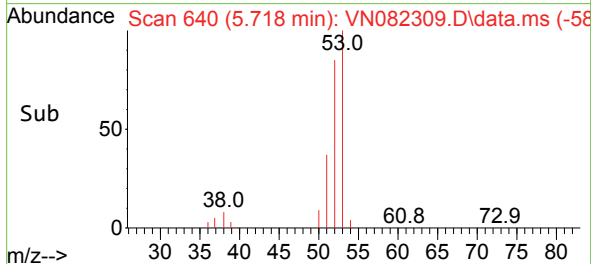


#15  
Acrylonitrile  
Concen: 255.297 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Instrument :  
MSVOA\_N  
ClientSampleId :

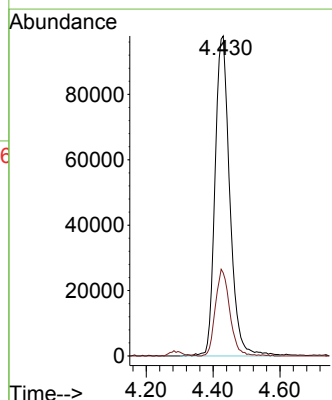
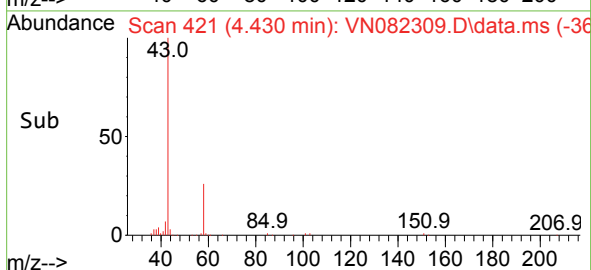
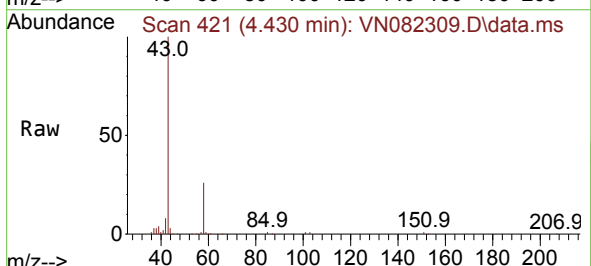


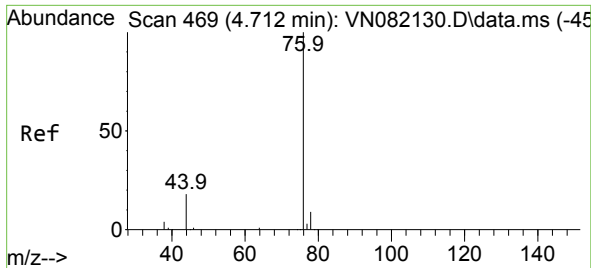
Tgt Ion: 53 Resp: 329823  
Ion Ratio Lower Upper  
53 100  
52 83.6 66.1 99.1  
51 37.4 29.4 44.2



#16  
Acetone  
Concen: 235.517 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 43 Resp: 300233  
Ion Ratio Lower Upper  
43 100  
58 25.9 25.2 37.8

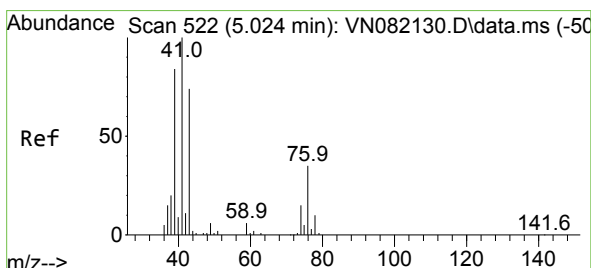
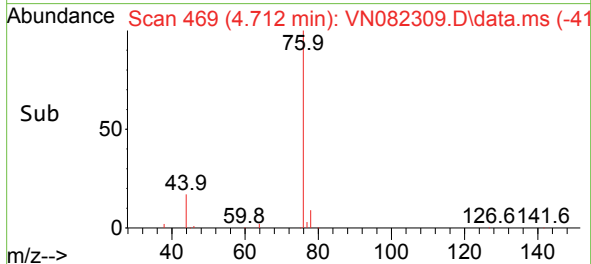
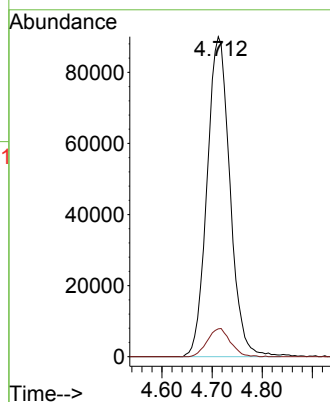
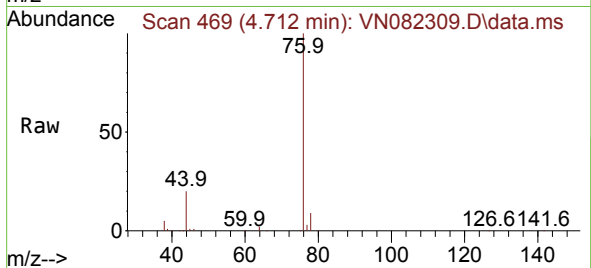




#17  
Carbon Disulfide  
Concen: 41.141 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

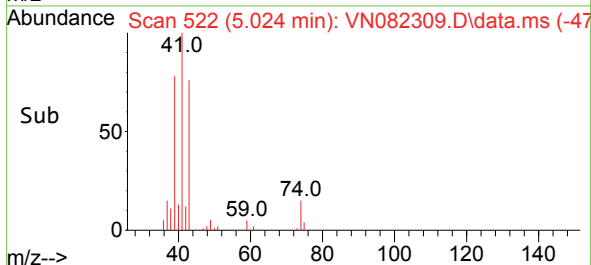
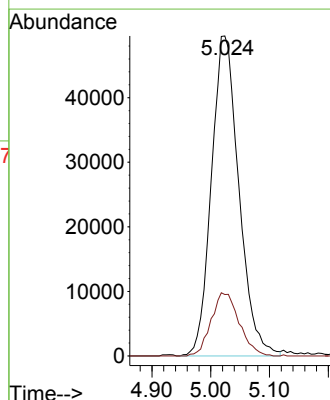
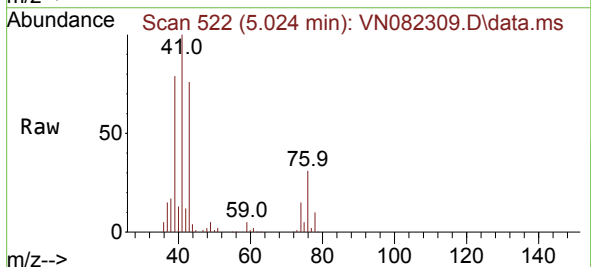
Instrument :  
MSVOA\_N  
ClientSampleId :

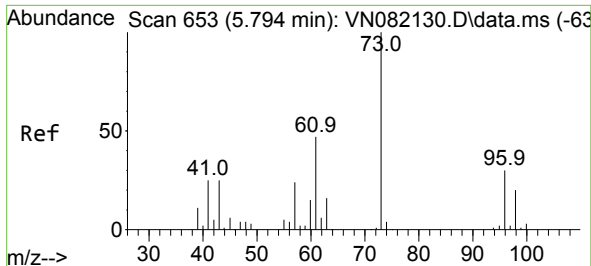
Tgt Ion: 76 Resp: 285597  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.5 11.3



#18  
Methyl Acetate  
Concen: 50.784 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 43 Resp: 161222  
Ion Ratio Lower Upper  
43 100  
74 20.1 22.2 33.2#

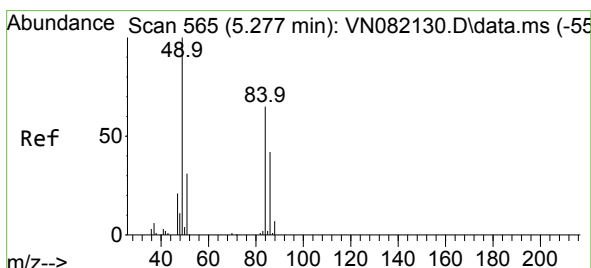
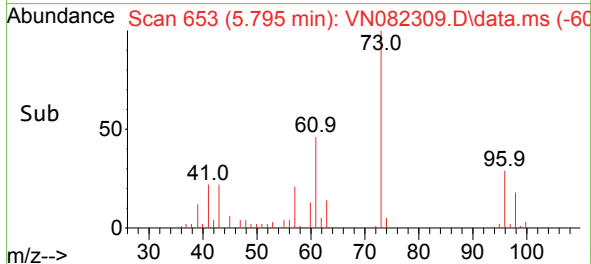
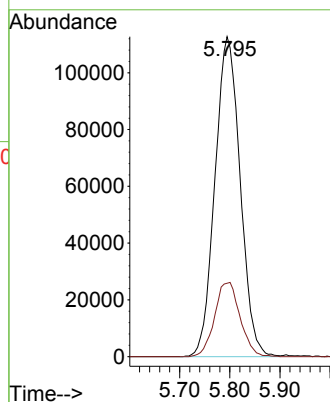
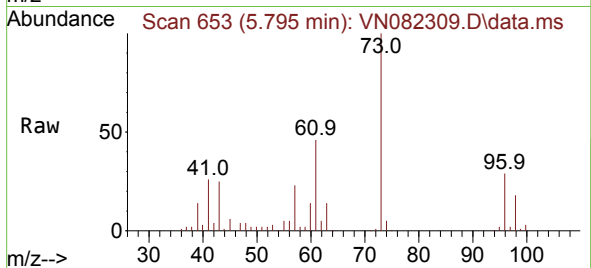




#19  
Methyl tert-butyl Ether  
Concen: 50.104 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

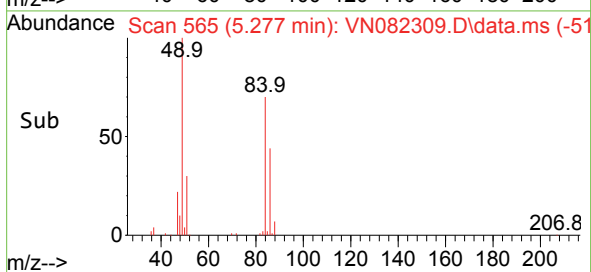
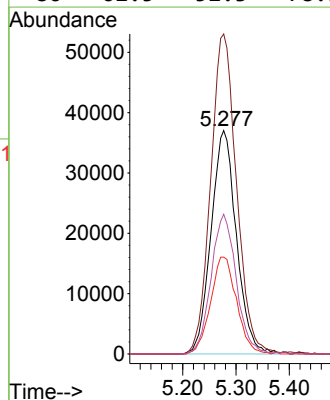
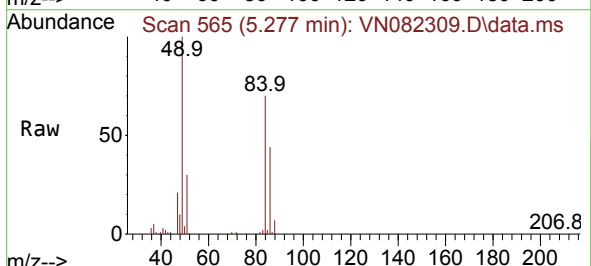
Instrument :  
MSVOA\_N  
ClientSampleId :

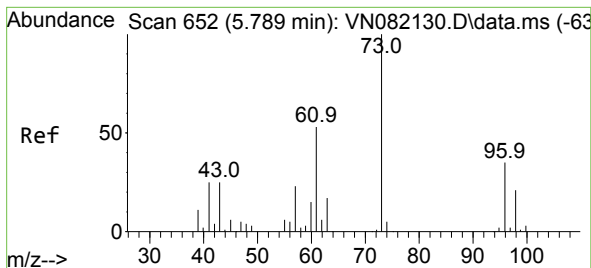
Tgt Ion: 73 Resp: 393628  
Ion Ratio Lower Upper  
73 100  
57 22.9 16.5 24.7



#20  
Methylene Chloride  
Concen: 47.629 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 84 Resp: 122502  
Ion Ratio Lower Upper  
84 100  
49 143.2 84.9 127.3#  
51 43.3 27.0 40.6#  
86 62.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 46.626 ug/l

RT: 5.783 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

Instrument :

MSVOA\_N

ClientSampleId :

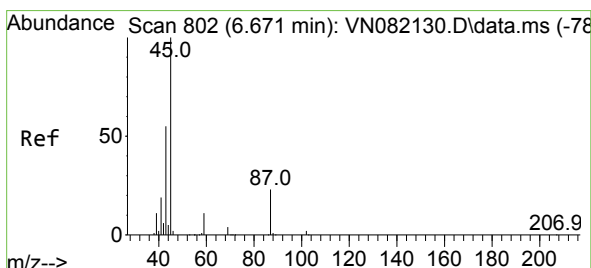
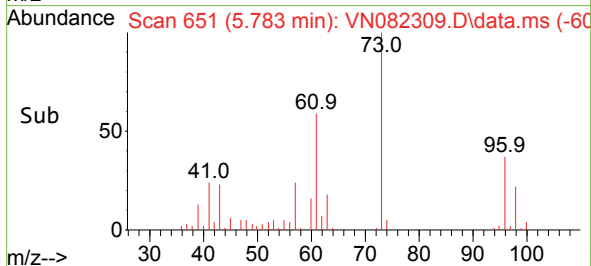
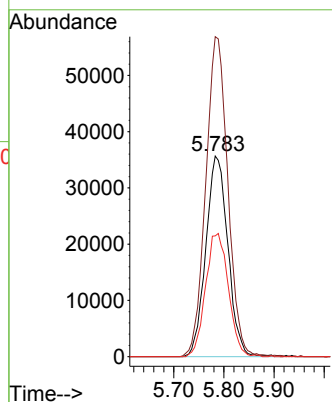
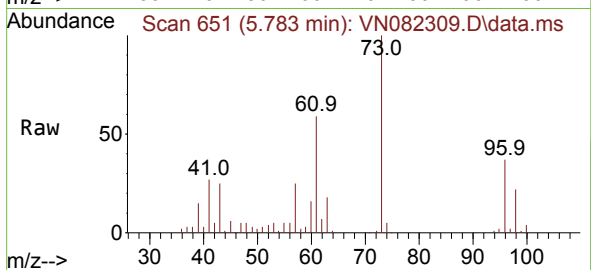
Tgt Ion: 96 Resp: 109208

Ion Ratio Lower Upper

96 100

61 159.5 96.5 144.7#

98 60.2 51.3 76.9



#22

Diisopropyl ether

Concen: 49.760 ug/l

RT: 6.671 min Scan# 802

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

Tgt Ion: 45 Resp: 478147

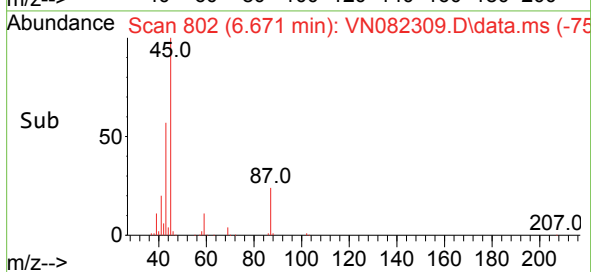
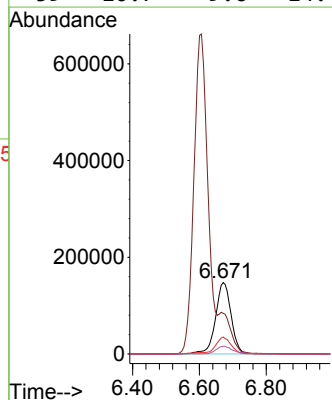
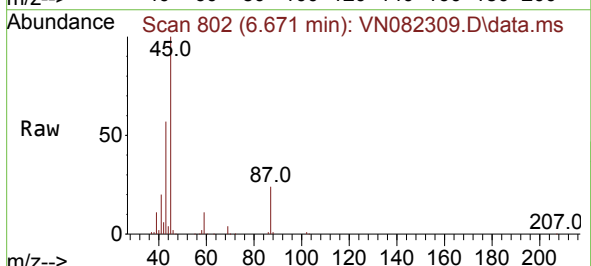
Ion Ratio Lower Upper

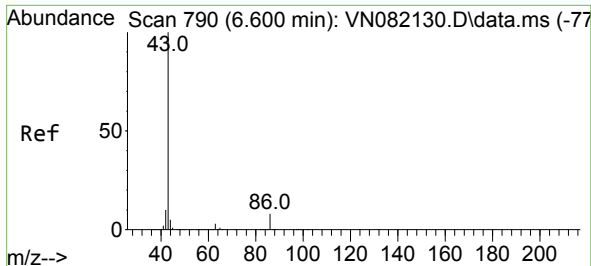
45 100

43 56.7 44.1 66.1

87 23.7 27.0 40.6#

59 10.7 9.6 14.4

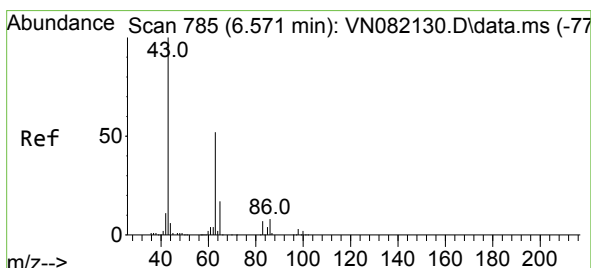
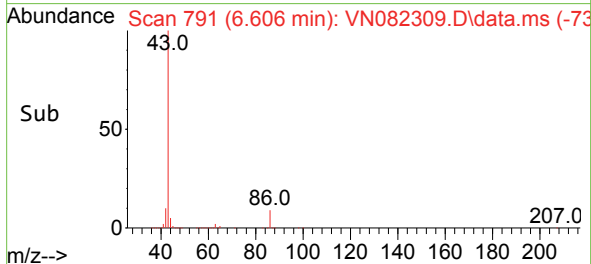
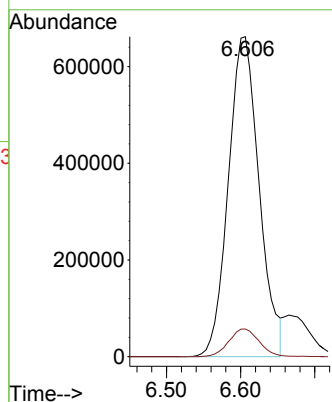
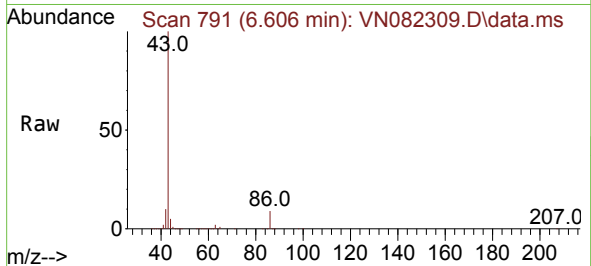




#23  
 Vinyl Acetate  
 Concen: 252.091 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.006 min  
 Lab File: VN082309.D  
 Acq: 23 May 2024 09:55

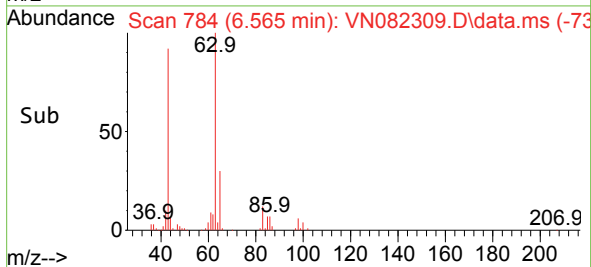
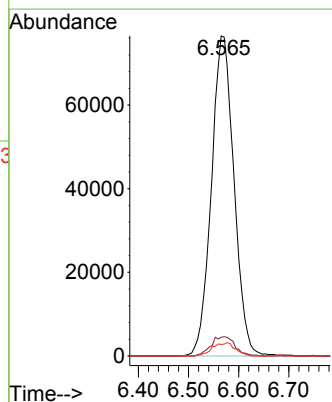
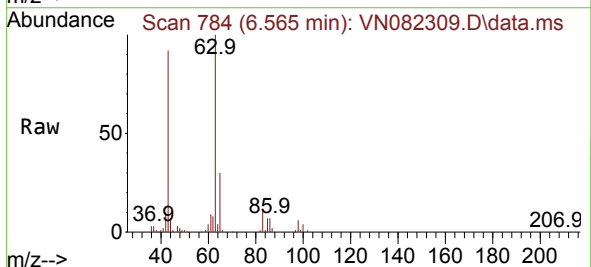
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion: 43 Resp: 1909831  
 Ion Ratio Lower Upper  
 43 100  
 86 8.6 10.2 15.4#

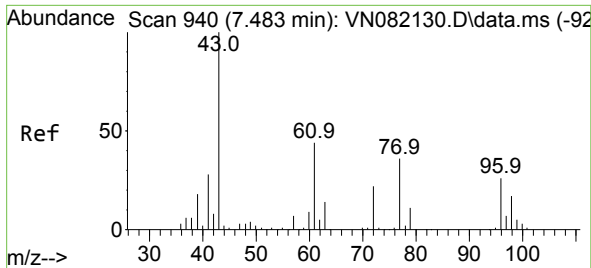


#24  
 1,1-Dichloroethane  
 Concen: 48.429 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. -0.006 min  
 Lab File: VN082309.D  
 Acq: 23 May 2024 09:55

Tgt Ion: 63 Resp: 239855  
 Ion Ratio Lower Upper  
 63 100  
 98 5.9 3.6 10.9  
 100 3.6 2.6 7.8



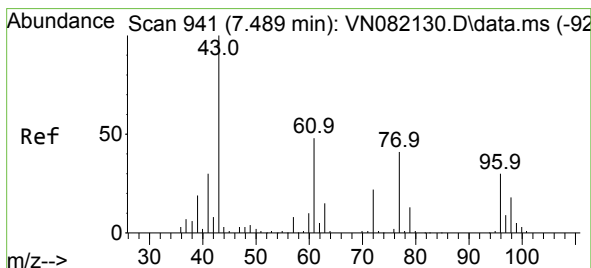
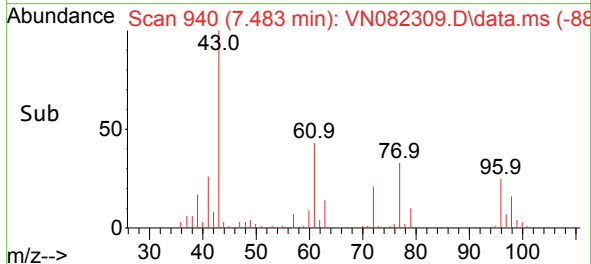
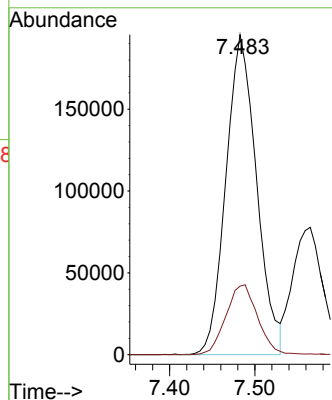
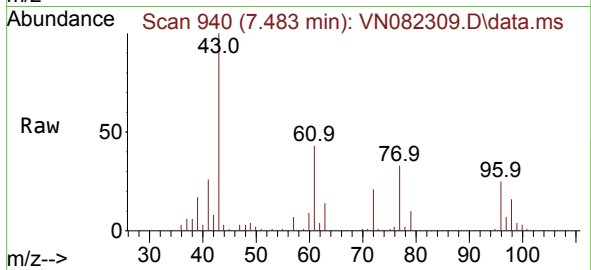




#25  
2-Butanone  
Concen: 252.950 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

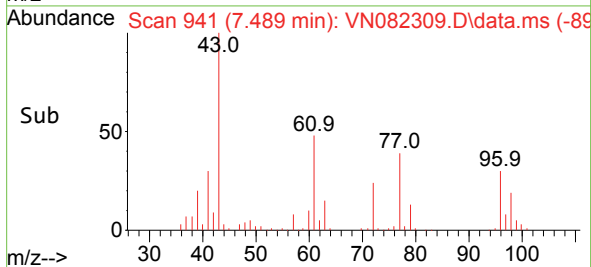
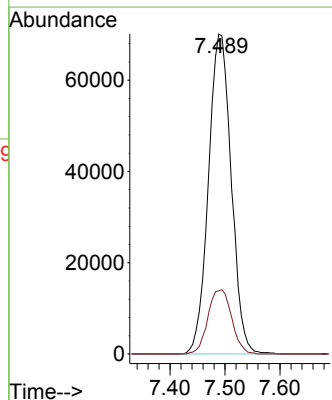
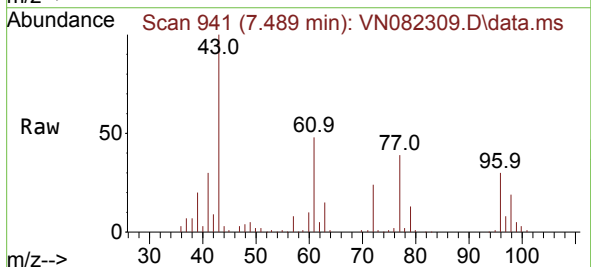
Instrument :  
MSVOA\_N  
ClientSampleId :

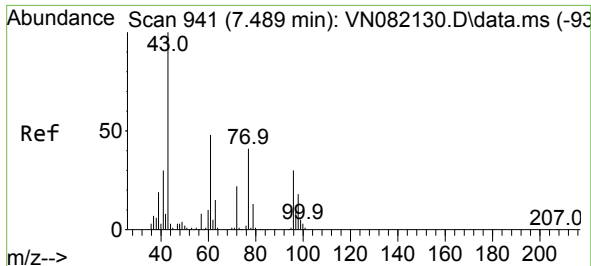
Tgt Ion: 43 Resp: 488894  
Ion Ratio Lower Upper  
43 100  
72 21.4 25.3 37.9#



#26  
2,2-Dichloropropane  
Concen: 48.711 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

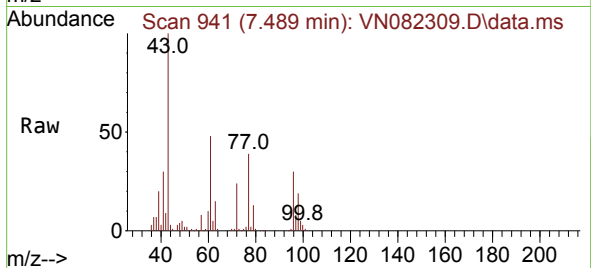
Tgt Ion: 77 Resp: 202073  
Ion Ratio Lower Upper  
77 100  
97 20.9 11.3 33.9



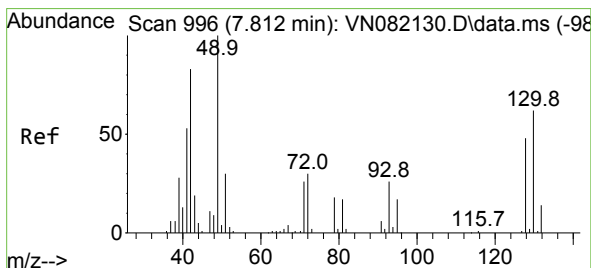
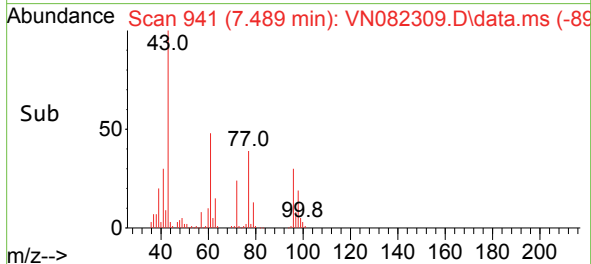
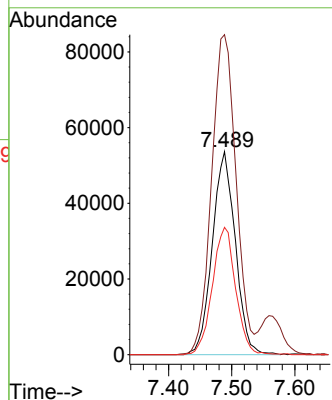


#27  
 cis-1,2-Dichloroethene  
 Concen: 49.190 ug/l  
 RT: 7.489 min Scan# 941  
 Delta R.T. 0.000 min  
 Lab File: VN082309.D  
 Acq: 23 May 2024 09:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :

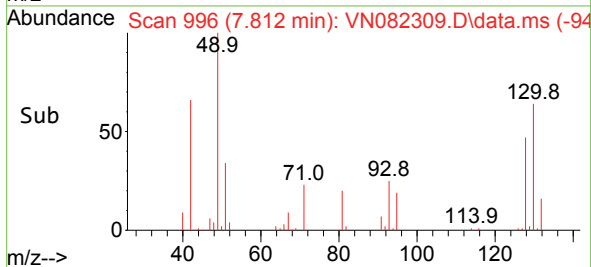
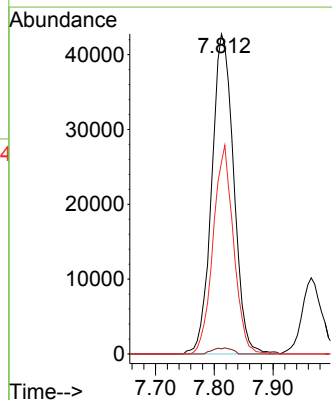
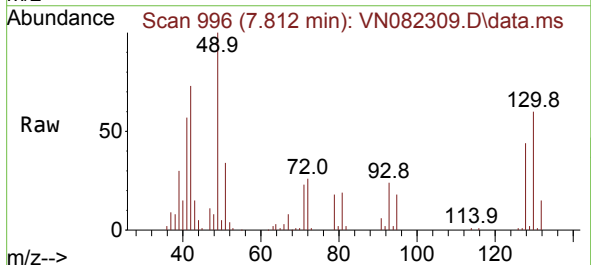


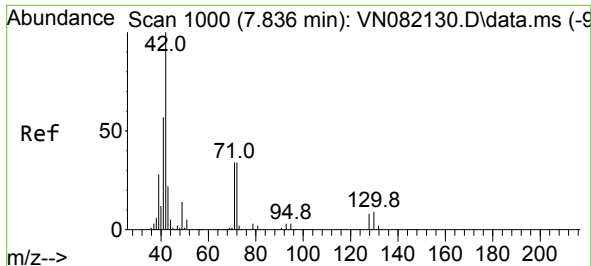
Tgt Ion: 96 Resp: 135970  
 Ion Ratio Lower Upper  
 96 100  
 61 167.8 0.0 268.0  
 98 63.4 0.0 126.8



#28  
 Bromochloromethane  
 Concen: 51.669 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.000 min  
 Lab File: VN082309.D  
 Acq: 23 May 2024 09:55

Tgt Ion: 49 Resp: 111050  
 Ion Ratio Lower Upper  
 49 100  
 129 1.7 0.0 4.6  
 130 60.5 66.7 100.1#





#29

Tetrahydrofuran

Concen: 262.663 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.005 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

Instrument :

MSVOA\_N

ClientSampleId :

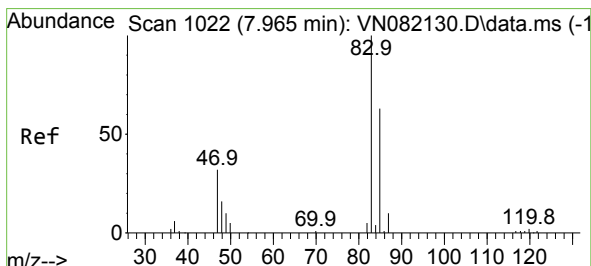
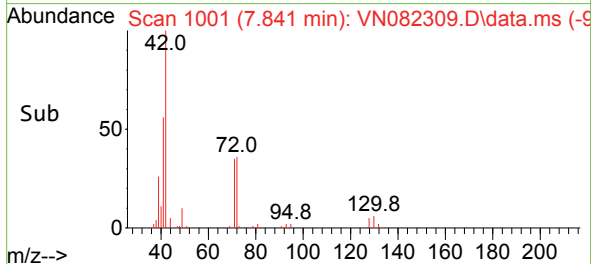
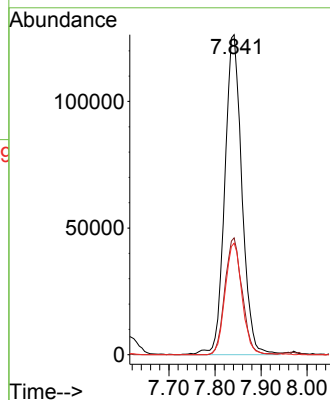
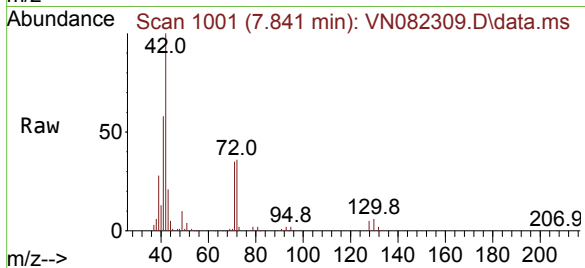
Tgt Ion: 42 Resp: 325950

Ion Ratio Lower Upper

42 100

72 36.6 39.3 58.9#

71 34.4 37.4 56.0#



#30

Chloroform

Concen: 49.853 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN082309.D

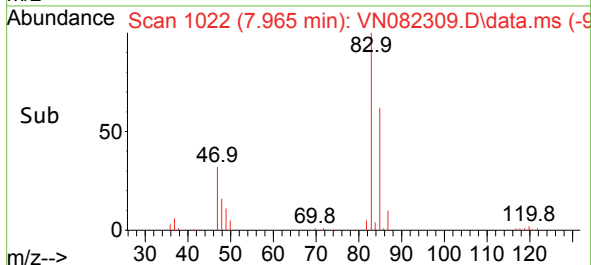
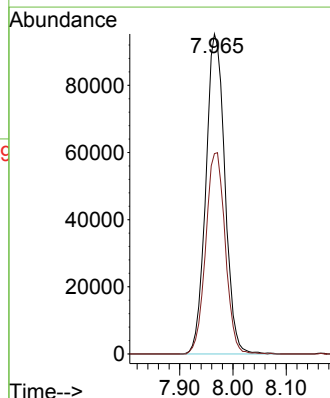
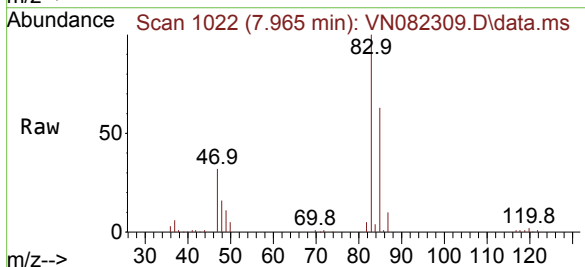
Acq: 23 May 2024 09:55

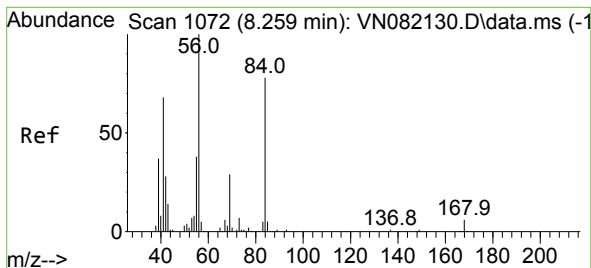
Tgt Ion: 83 Resp: 235784

Ion Ratio Lower Upper

83 100

85 62.6 50.7 76.1





#31

Cyclohexane

Concen: 42.810 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

Instrument :

MSVOA\_N

ClientSampleId :

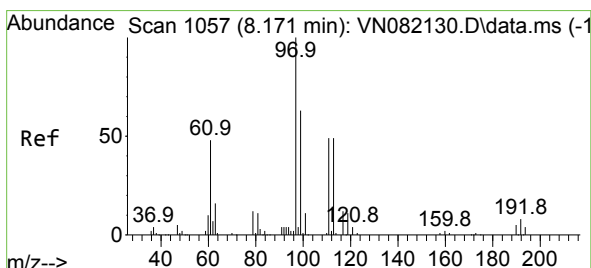
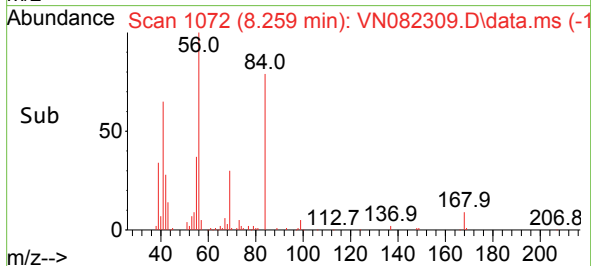
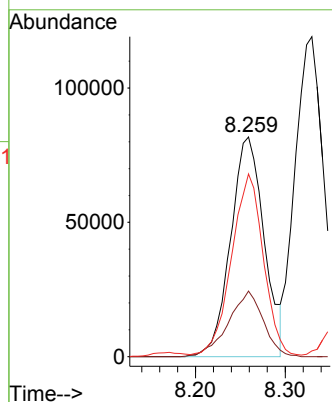
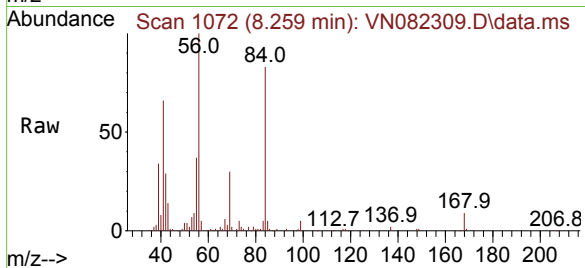
Tgt Ion: 56 Resp: 212476

Ion Ratio Lower Upper

56 100

69 29.8 24.4 36.6

84 81.8 77.0 115.4



#32

1,1,1-Trichloroethane

Concen: 49.972 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

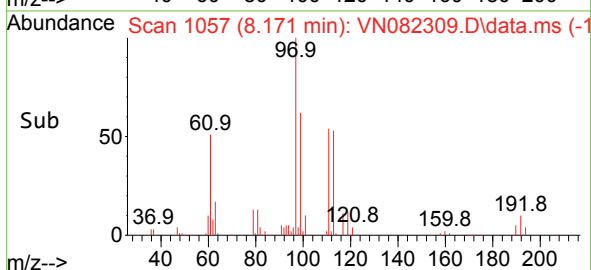
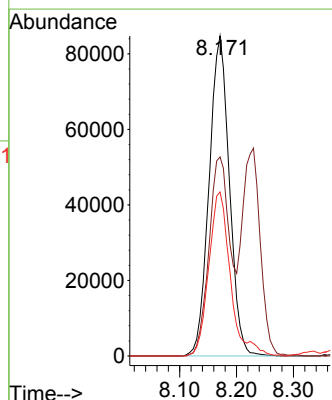
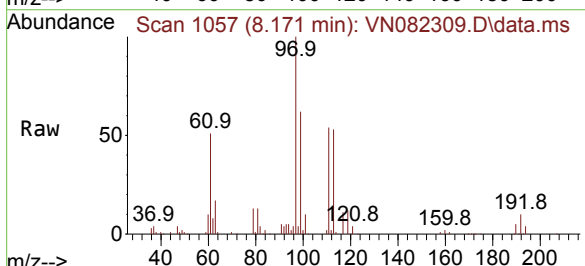
Tgt Ion: 97 Resp: 209679

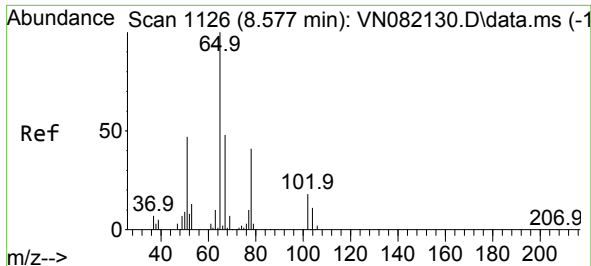
Ion Ratio Lower Upper

97 100

99 65.4 50.3 75.5

61 54.6 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 50.242 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

Instrument :

MSVOA\_N

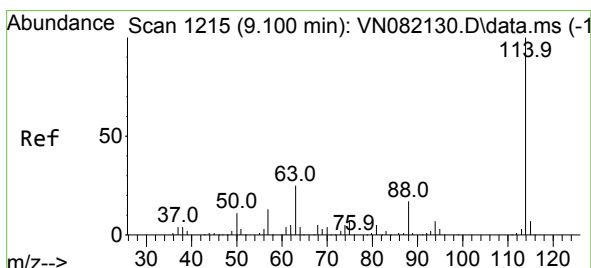
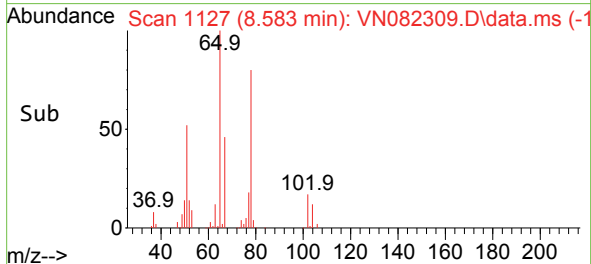
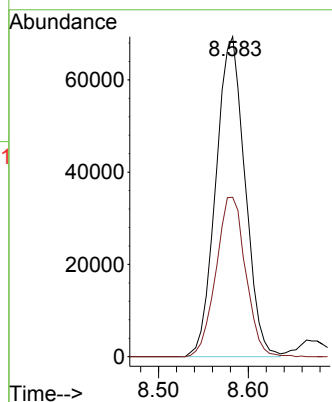
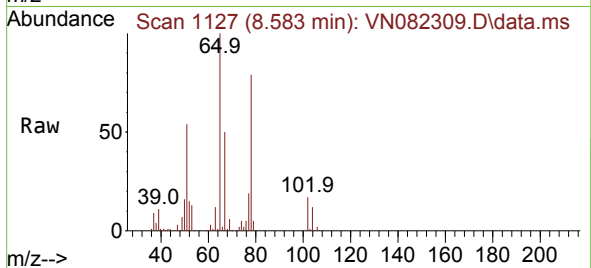
ClientSampleId :

Tgt Ion: 65 Resp: 156132

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

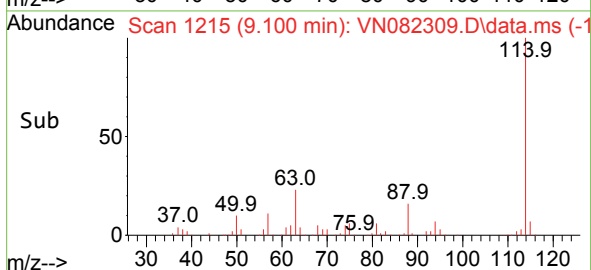
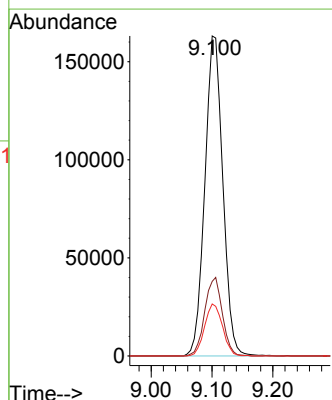
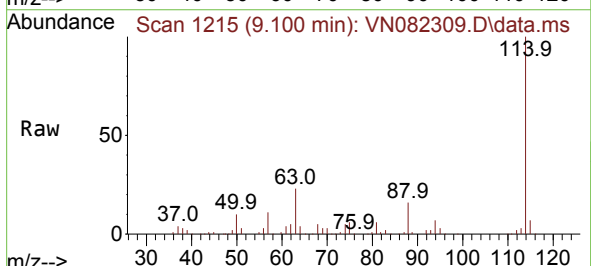
Tgt Ion: 114 Resp: 334446

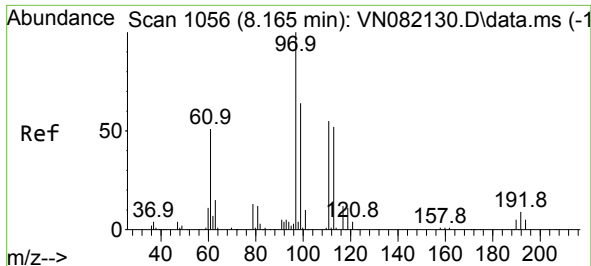
Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.0

88 16.2 0.0 31.4

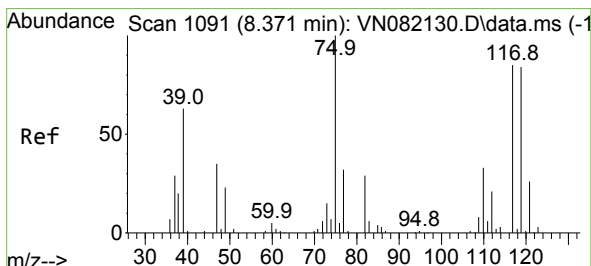
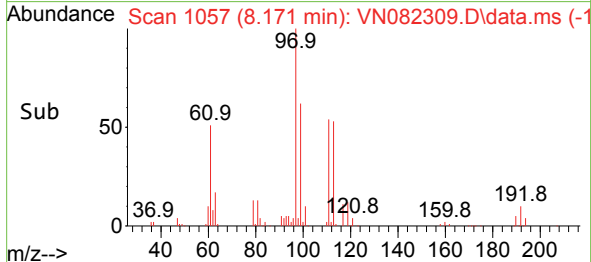
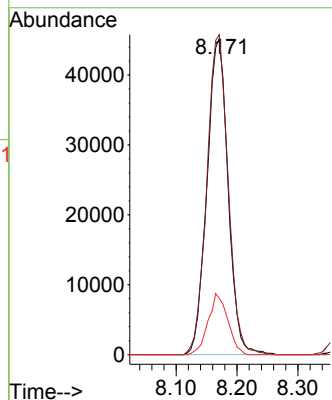
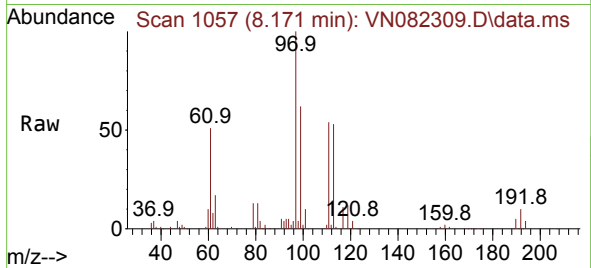




#35  
Dibromofluoromethane  
Concen: 52.807 ug/l  
RT: 8.171 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

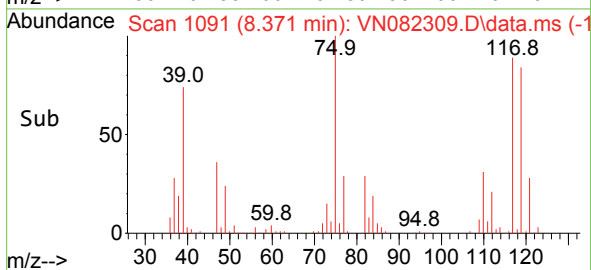
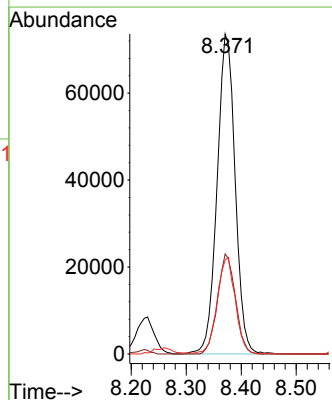
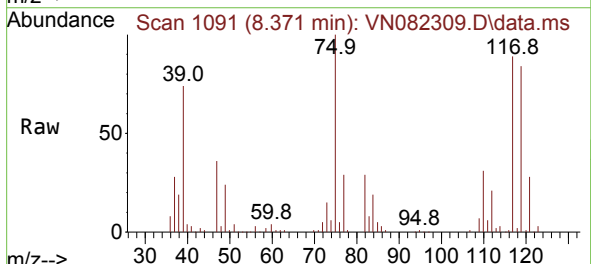
Instrument :  
MSVOA\_N  
ClientSampleId :

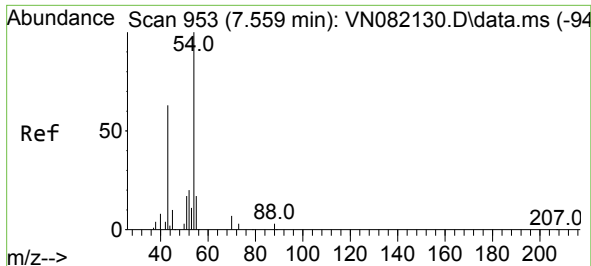
Tgt Ion:113 Resp: 108642  
Ion Ratio Lower Upper  
113 100  
111 102.2 83.4 125.2  
192 18.1 14.0 21.0



#36  
1,1-Dichloropropene  
Concen: 48.681 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

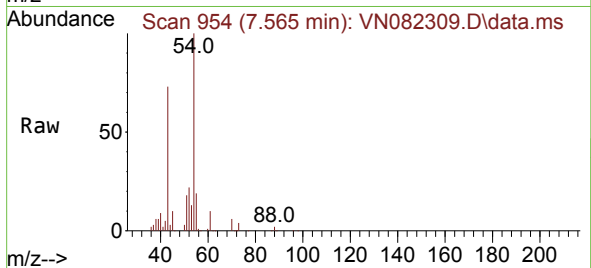
Tgt Ion: 75 Resp: 167974  
Ion Ratio Lower Upper  
75 100  
110 30.9 17.8 53.5  
77 30.4 25.0 37.4



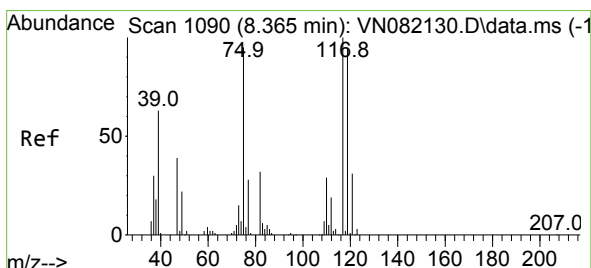
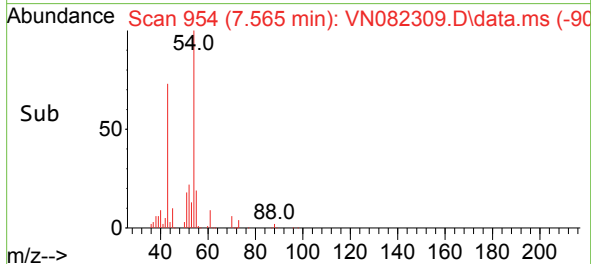
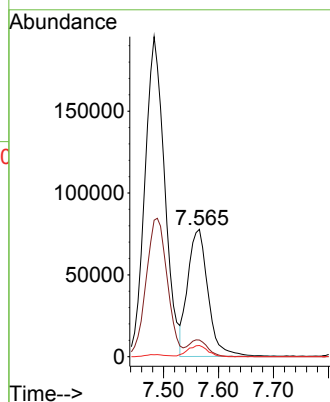


#37  
Ethyl Acetate  
Concen: 51.275 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Instrument :  
MSVOA\_N  
ClientSampleId :

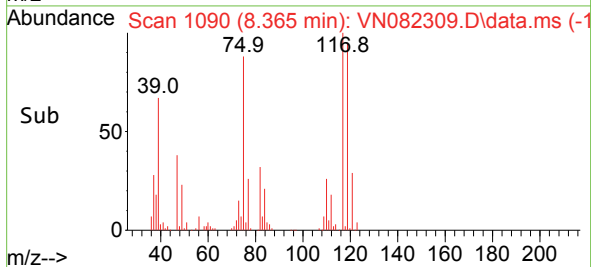
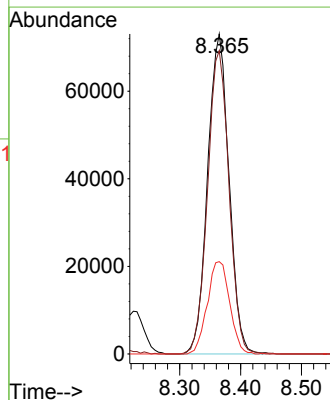
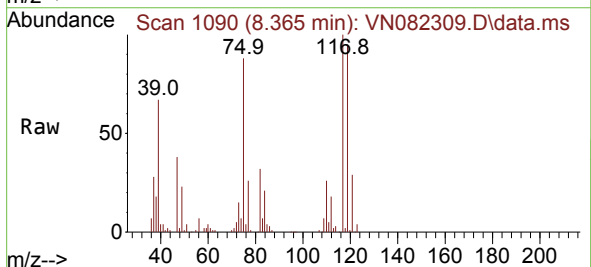


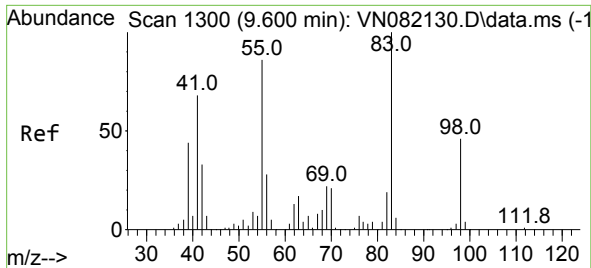
Tgt Ion: 43 Resp: 198000  
Ion Ratio Lower Upper  
43 100  
61 12.7 11.3 16.9  
70 8.7 8.7 13.1



#38  
Carbon Tetrachloride  
Concen: 50.925 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 117 Resp: 178128  
Ion Ratio Lower Upper  
117 100  
119 94.8 76.5 114.7  
121 28.9 23.9 35.9

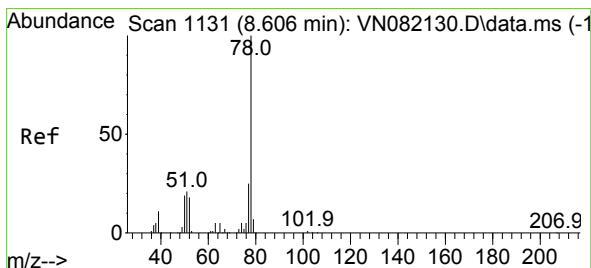
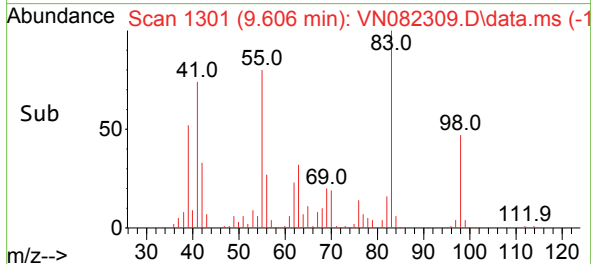
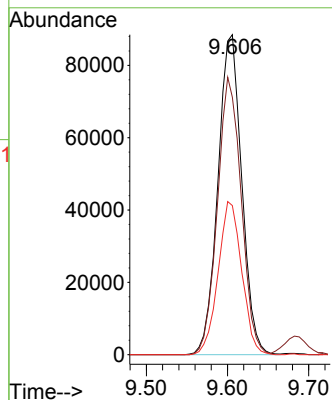
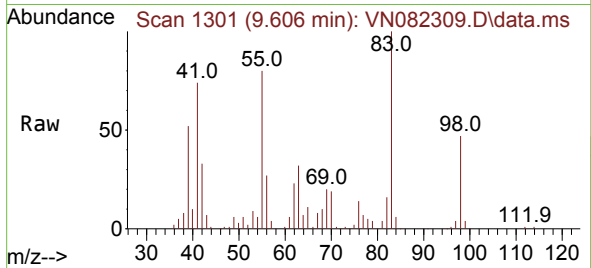




#39  
Methylcyclohexane  
Concen: 47.817 ug/l  
RT: 9.606 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

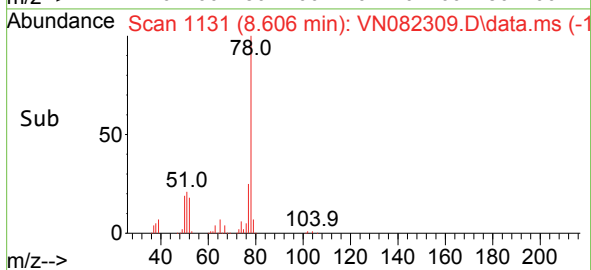
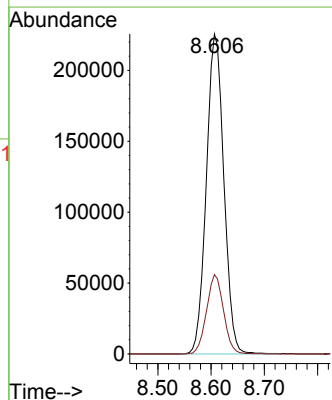
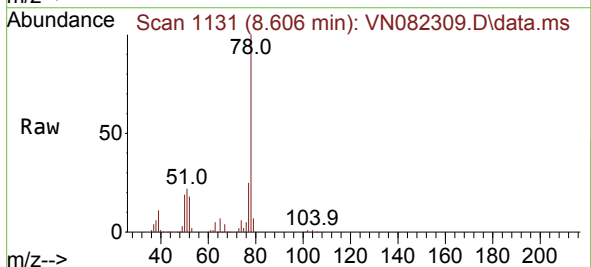
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 83 Resp: 180854  
Ion Ratio Lower Upper  
83 100  
55 80.5 53.0 79.6#  
98 46.6 37.1 55.7

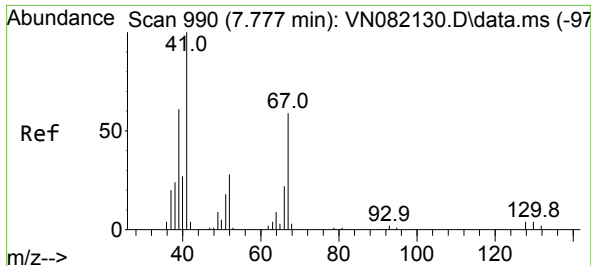


#40  
Benzene  
Concen: 50.044 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 78 Resp: 514924  
Ion Ratio Lower Upper  
78 100  
77 24.8 20.0 30.0

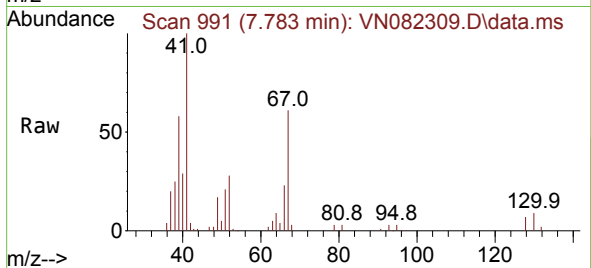






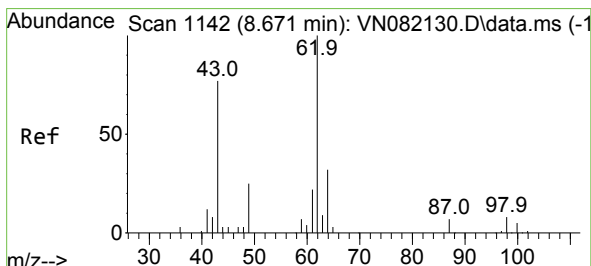
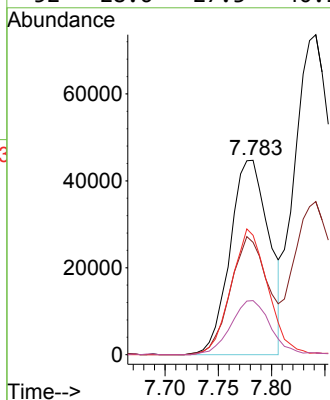
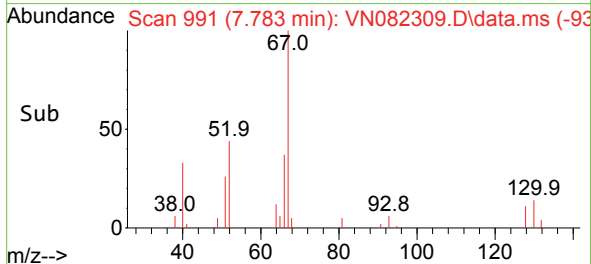
#41  
Methacrylonitrile  
Concen: 50.301 ug/l  
RT: 7.783 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 41 Resp: 114234

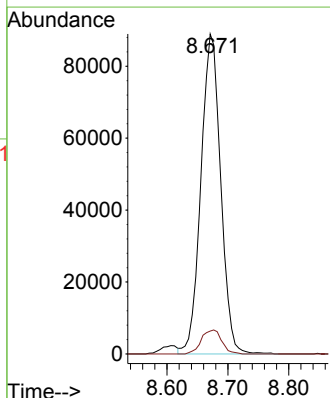
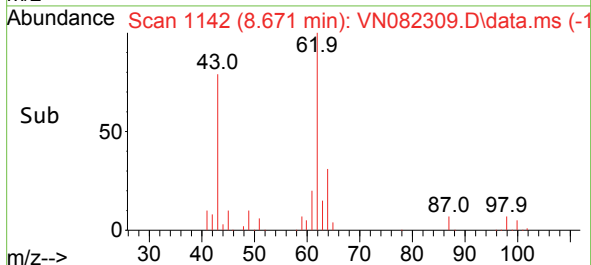
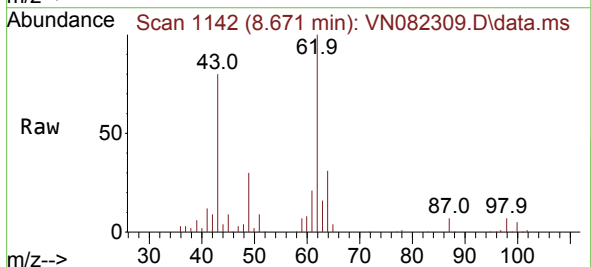
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 58.2  | 46.6  | 69.8  |
| 67  | 60.8  | 67.3  | 100.9 |
| 52  | 28.6  | 27.3  | 40.9  |

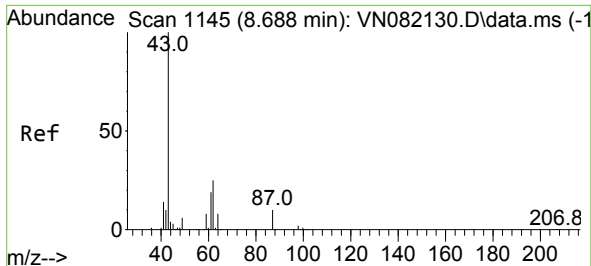


#42  
1,2-Dichloroethane  
Concen: 50.665 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 62 Resp: 200500

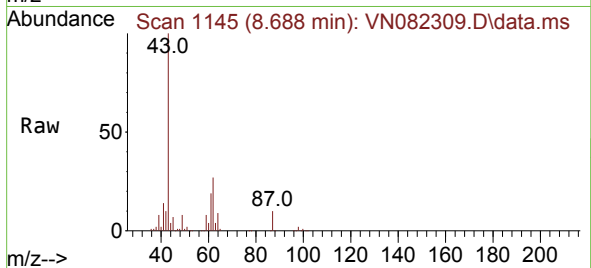
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 7.8   | 0.0   | 19.6  |



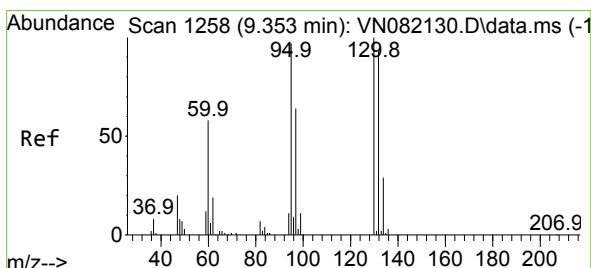
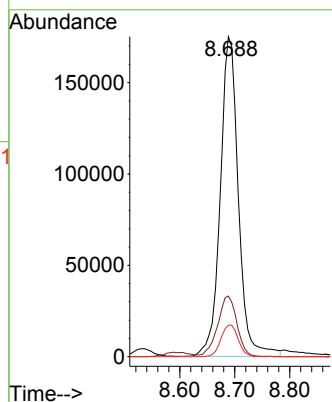
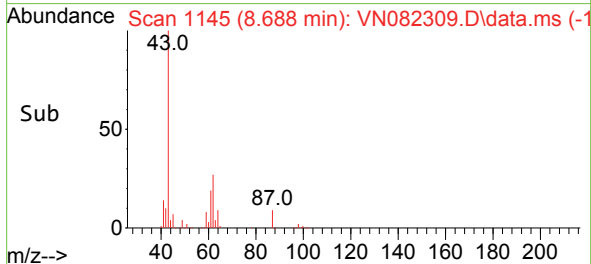


#43  
Isopropyl Acetate  
Concen: 58.526 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Instrument :  
MSVOA\_N  
ClientSampleId :

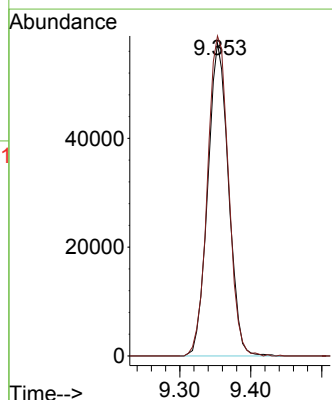
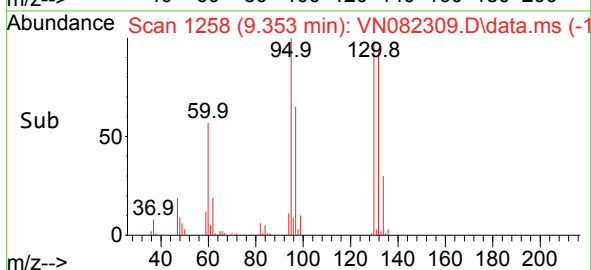
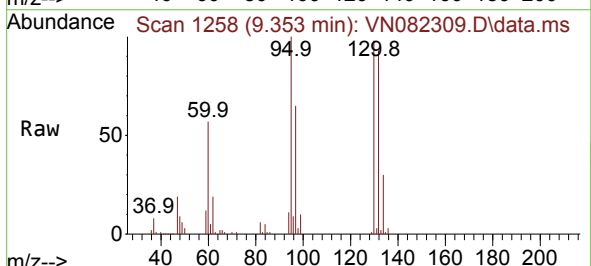


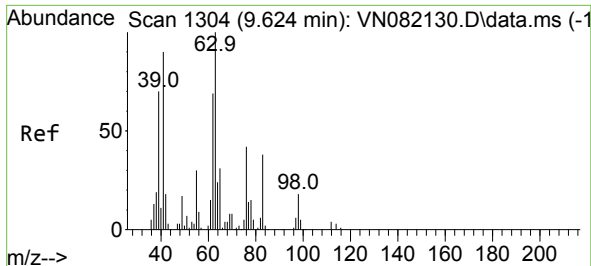
Tgt Ion: 43 Resp: 400461  
Ion Ratio Lower Upper  
43 100  
61 20.1 22.8 34.2#  
87 9.4 12.0 18.0#



#44  
Trichloroethene  
Concen: 49.856 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion:130 Resp: 116528  
Ion Ratio Lower Upper  
130 100  
95 102.3 0.0 195.4





#45

1,2-Dichloropropane

Concen: 50.771 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

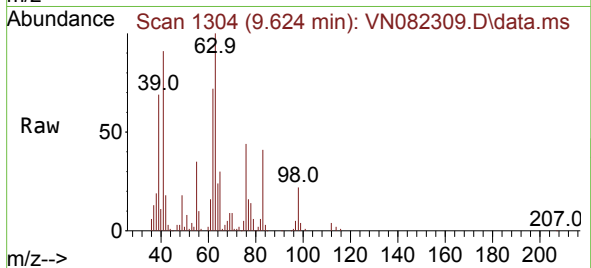
Lab File: VN082309.D

Acq: 23 May 2024 09:55

Instrument :

MSVOA\_N

ClientSampleId :

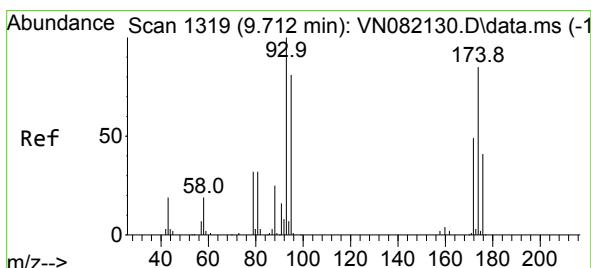
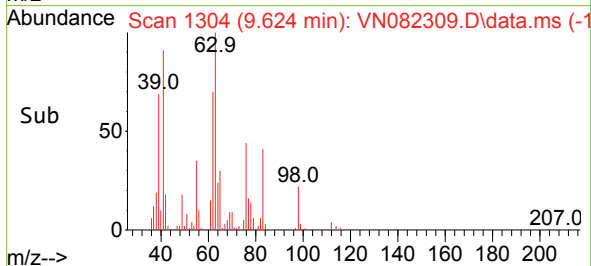
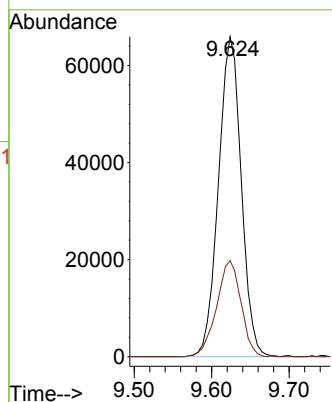


Tgt Ion: 63 Resp: 134787

Ion Ratio Lower Upper

63 100

65 30.0 24.1 36.1



#46

Dibromomethane

Concen: 50.472 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

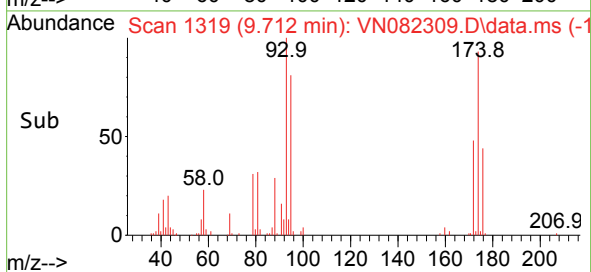
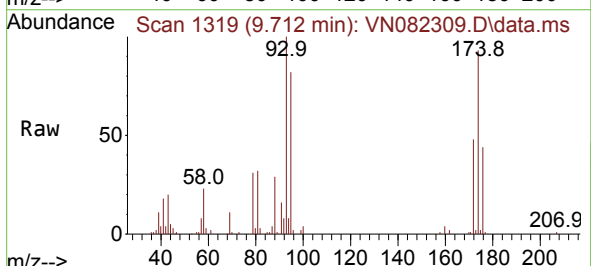
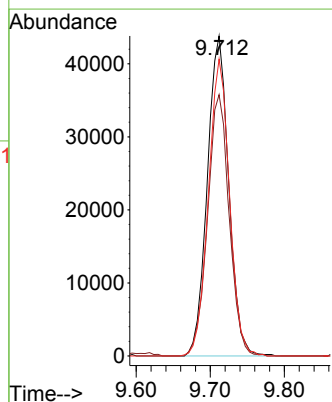
Tgt Ion: 93 Resp: 87971

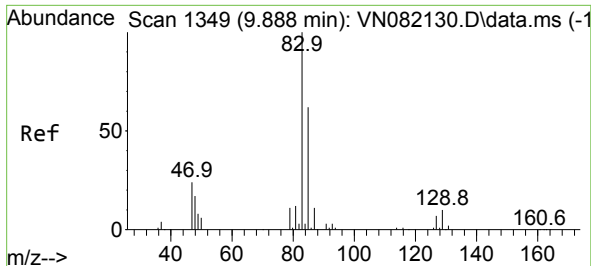
Ion Ratio Lower Upper

93 100

95 82.4 64.8 97.2

174 91.5 73.4 110.0





#47

Bromodichloromethane

Concen: 51.929 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

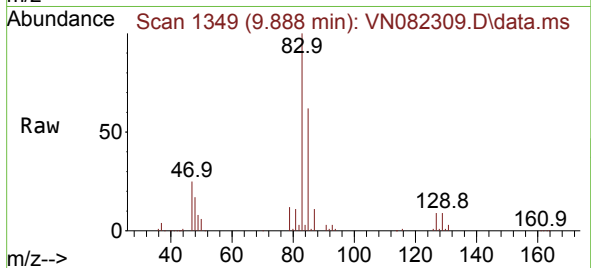
Lab File: VN082309.D

Acq: 23 May 2024 09:55

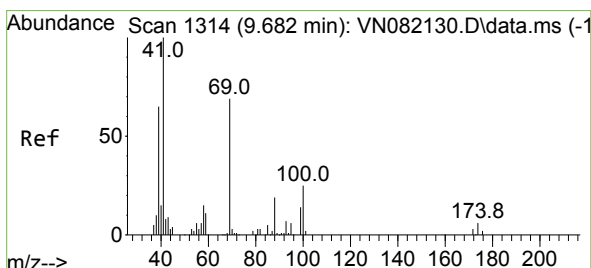
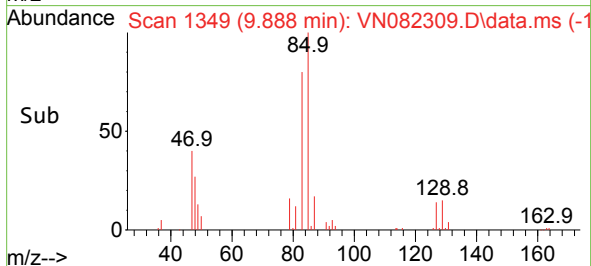
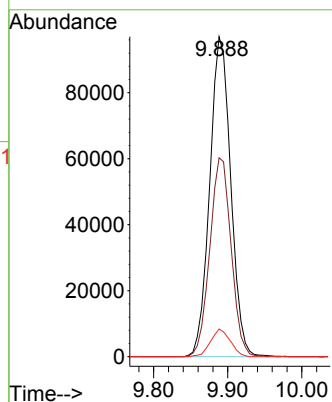
Instrument :

MSVOA\_N

ClientSampleId :



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 191076 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 62.1  | 51.9  | 77.9   |
| 127       | 8.7   | 7.5   | 11.3   |



#48

Methyl methacrylate

Concen: 53.125 ug/l

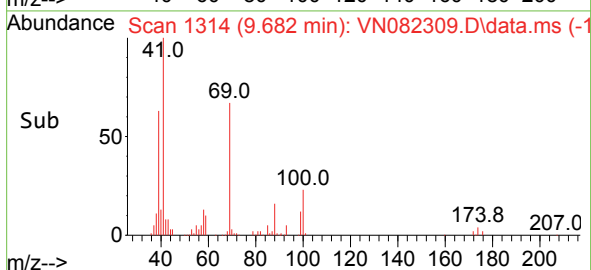
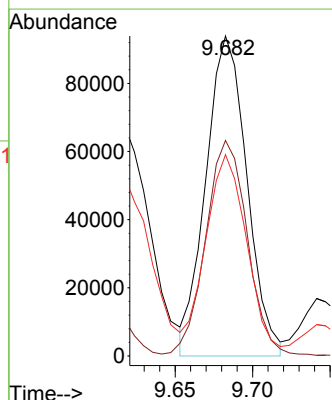
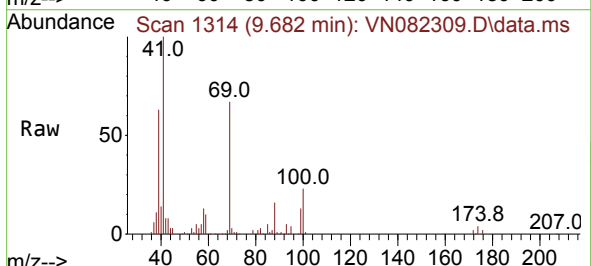
RT: 9.682 min Scan# 1314

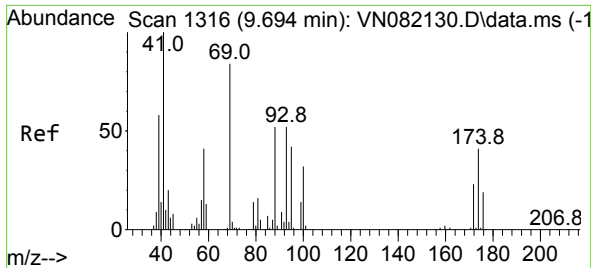
Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

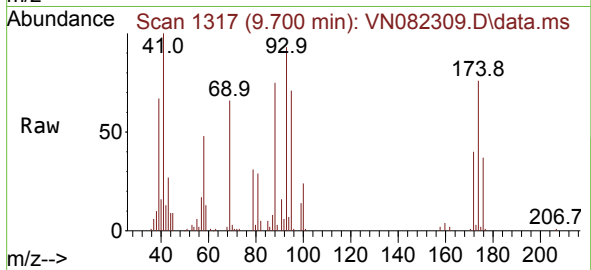
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 173208 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 68.8  | 77.9  | 116.9# |
| 39        | 63.3  | 50.9  | 76.3   |



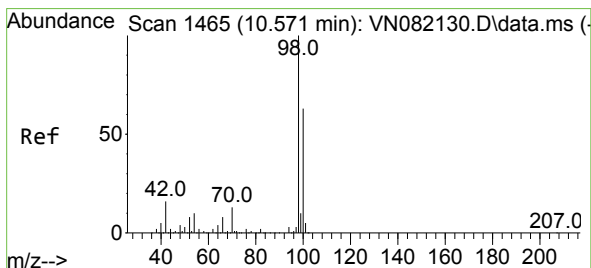
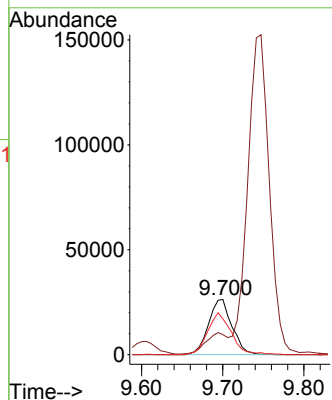
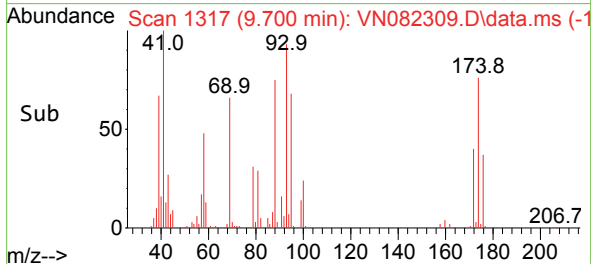


#49  
1,4-Dioxane  
Concen: 1156.910 ug/l  
RT: 9.700 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Instrument :  
MSVOA\_N  
ClientSampleId :

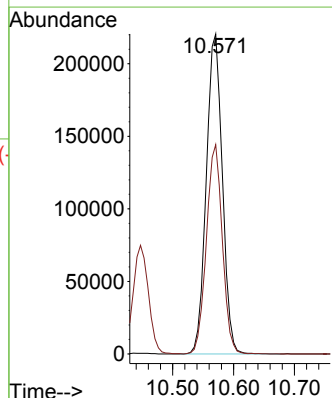
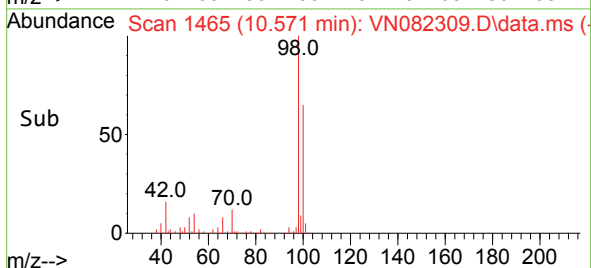
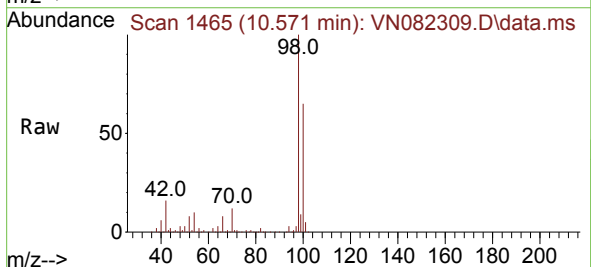


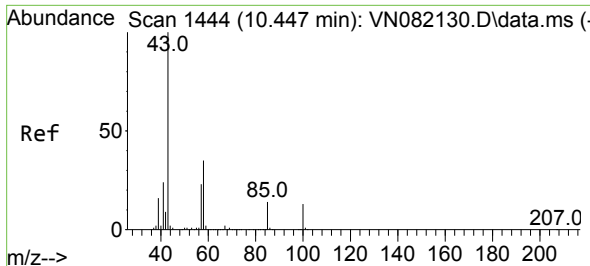
Tgt Ion: 88 Resp: 52856  
Ion Ratio Lower Upper  
88 100  
43 34.8 19.0 28.6#  
58 76.8 50.6 76.0#



#50  
Toluene-d8  
Concen: 51.147 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 98 Resp: 403436  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.8 77.6

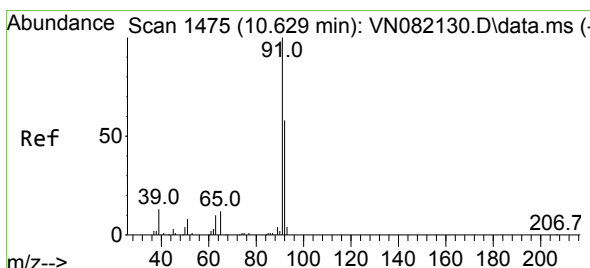
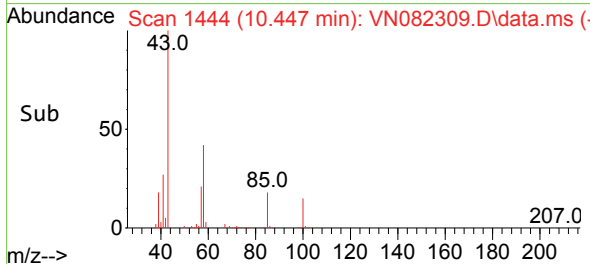
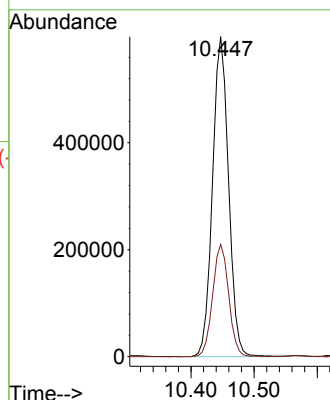
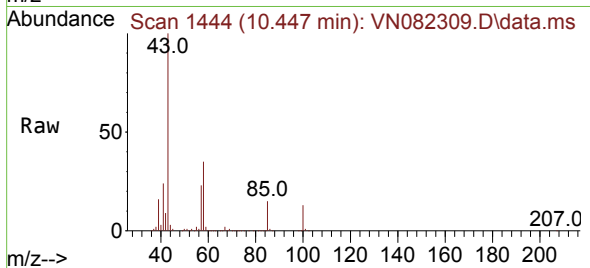




#51  
4-Methyl-2-Pentanone  
Concen: 271.464 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

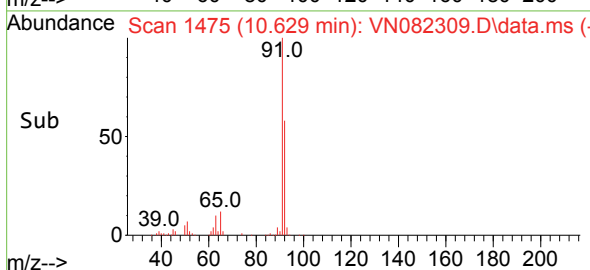
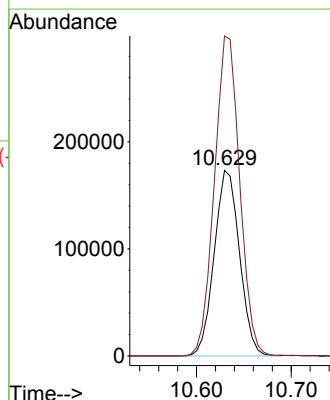
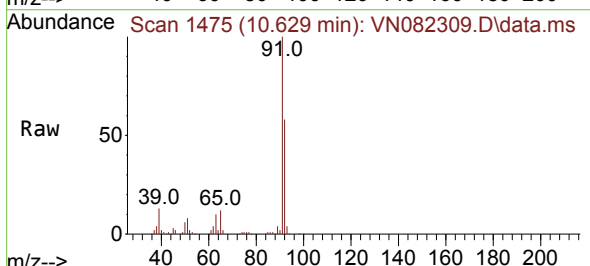
Instrument :  
MSVOA\_N  
ClientSampleId :

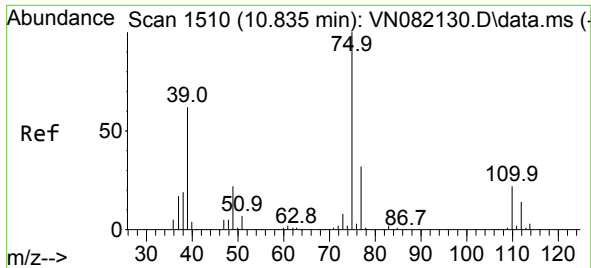
Tgt Ion: 43 Resp: 1055353  
Ion Ratio Lower Upper  
43 100  
58 35.1 33.2 49.8



#52  
Toluene  
Concen: 52.095 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 92 Resp: 321677  
Ion Ratio Lower Upper  
92 100  
91 172.7 136.7 205.1

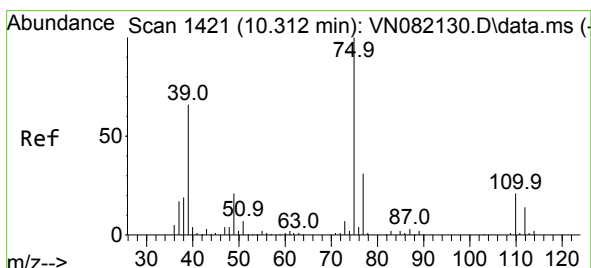
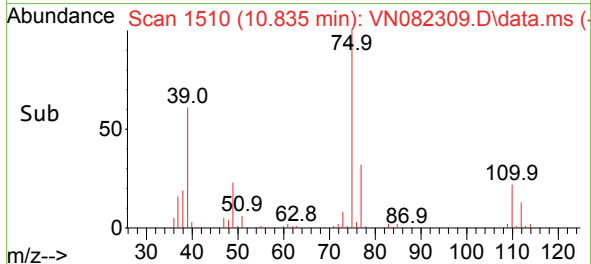
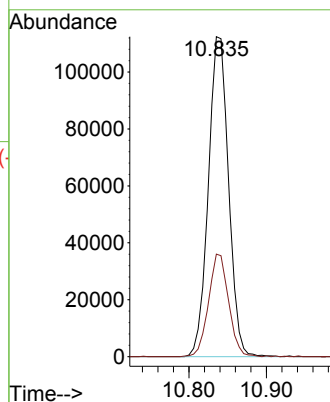
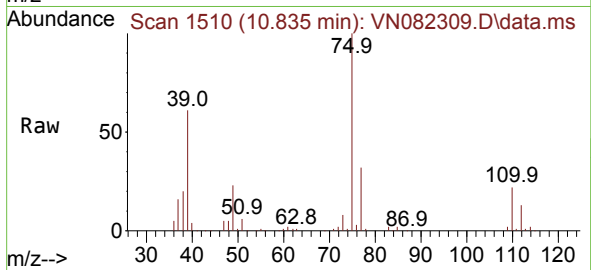




#53  
 t-1,3-Dichloropropene  
 Concen: 53.500 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. 0.000 min  
 Lab File: VN082309.D  
 Acq: 23 May 2024 09:55

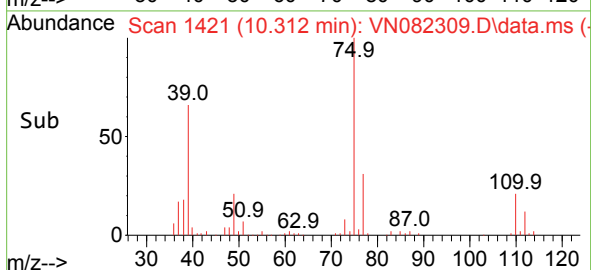
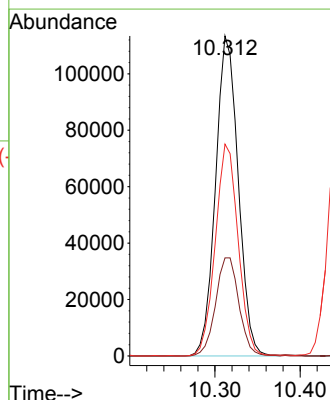
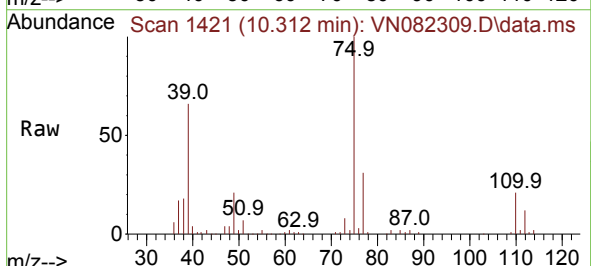
Instrument :  
 MSVOA\_N  
 ClientSampleId :

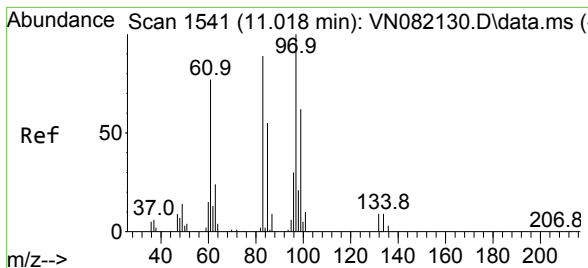
Tgt Ion: 75 Resp: 203593  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.054 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.000 min  
 Lab File: VN082309.D  
 Acq: 23 May 2024 09:55

Tgt Ion: 75 Resp: 209683  
 Ion Ratio Lower Upper  
 75 100  
 77 30.7 25.0 37.4  
 39 66.2 34.8 52.2#





#55

1,1,2-Trichloroethane

Concen: 52.100 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

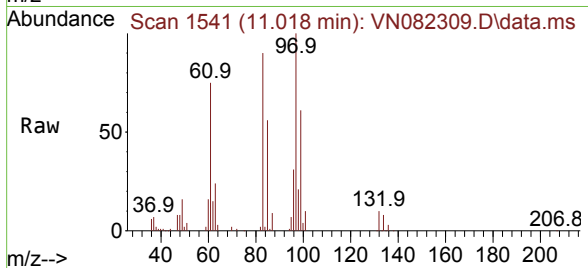
Lab File: VN082309.D

Acq: 23 May 2024 09:55

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion: 97 Resp: 116909

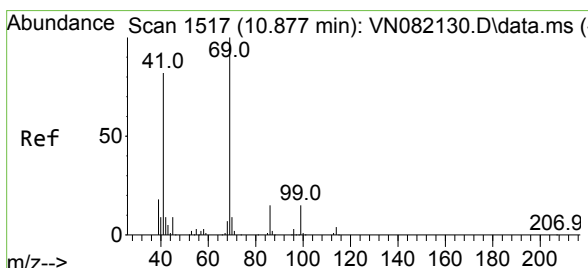
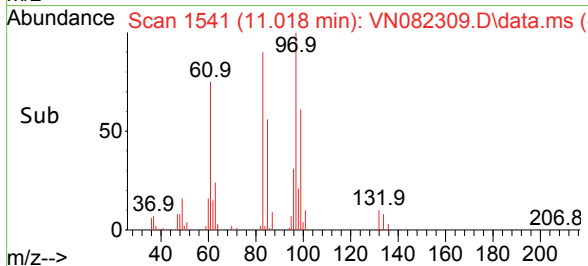
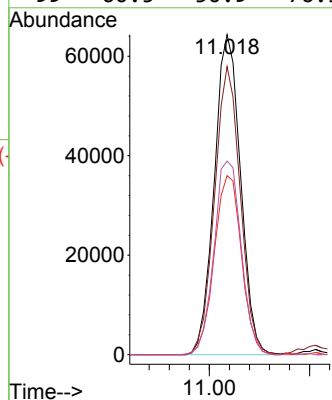
Ion Ratio Lower Upper

97 100

83 90.0 70.4 105.6

85 56.0 45.6 68.4

99 60.5 50.9 76.3



#56

Ethyl methacrylate

Concen: 55.189 ug/l

RT: 10.877 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

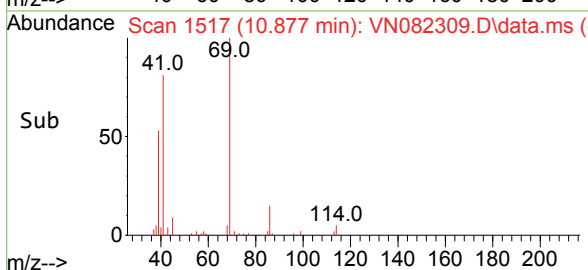
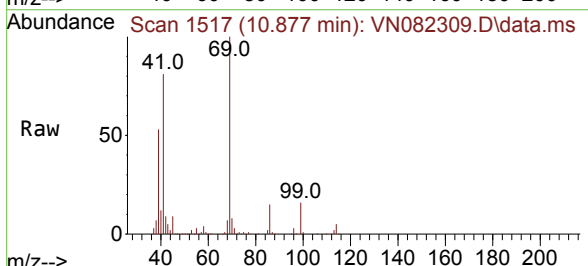
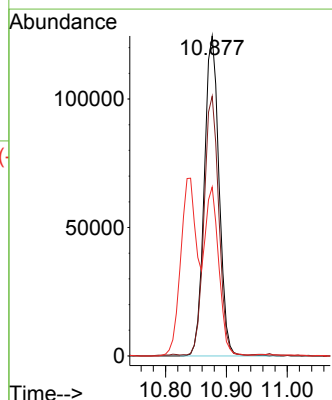
Tgt Ion: 69 Resp: 210255

Ion Ratio Lower Upper

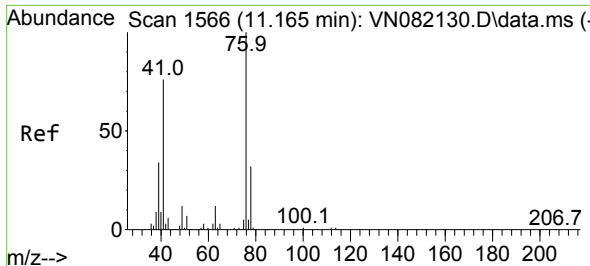
69 100

41 80.5 46.6 70.0#

39 47.7 26.5 39.7#

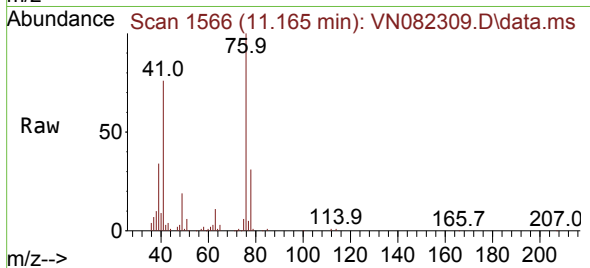




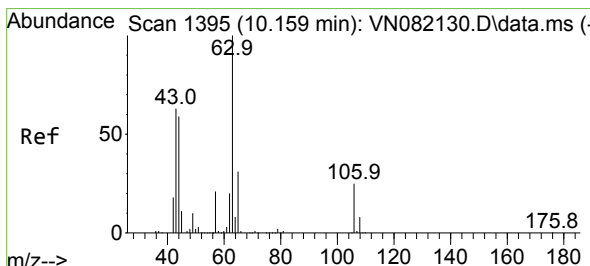
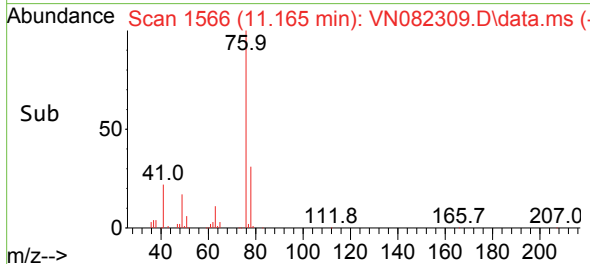
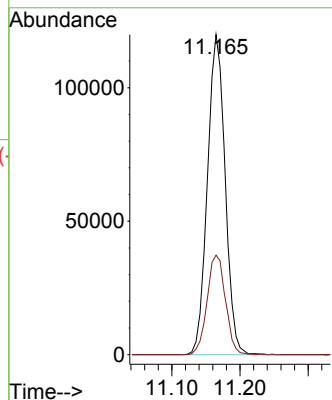


#57  
1,3-Dichloropropane  
Concen: 51.640 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Instrument :  
MSVOA\_N  
ClientSampleId :

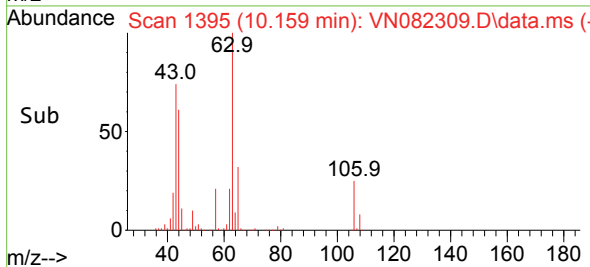
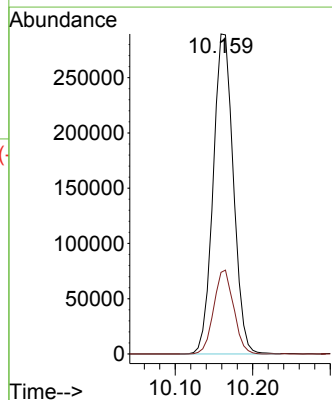
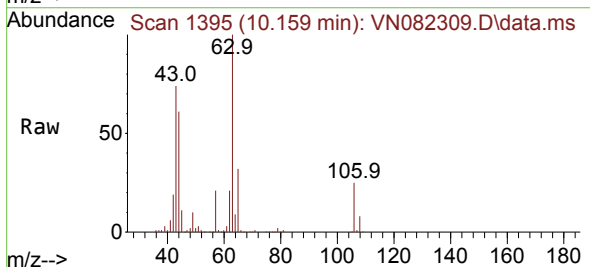


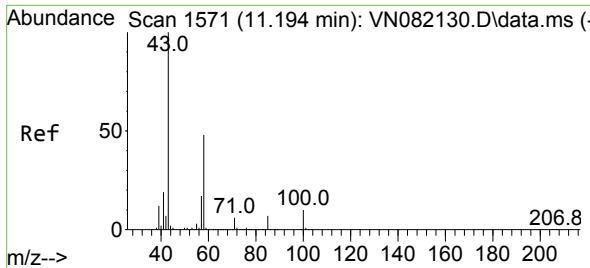
Tgt Ion: 76 Resp: 216660  
Ion Ratio Lower Upper  
76 100  
78 32.3 25.8 38.6



#58  
2-Chloroethyl Vinyl ether  
Concen: 266.785 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 63 Resp: 524254  
Ion Ratio Lower Upper  
63 100  
106 25.8 24.6 36.8

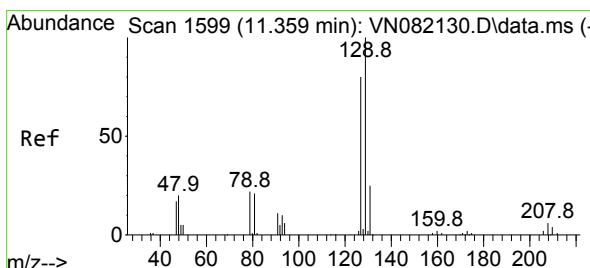
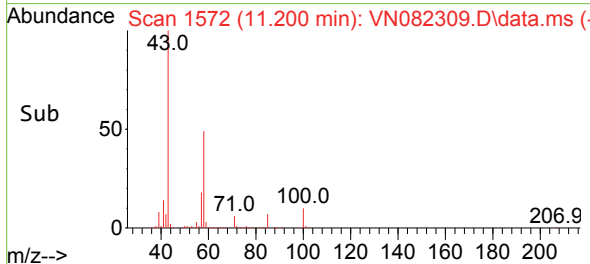
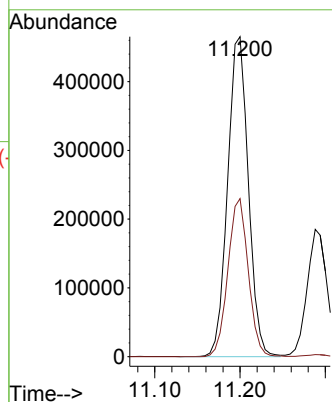
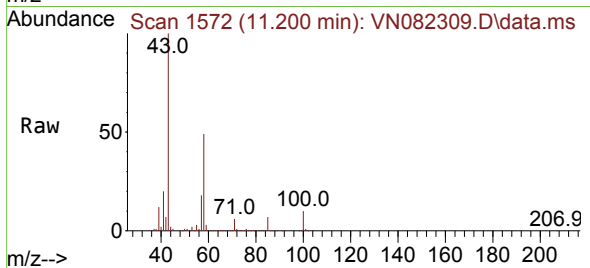




#59  
2-Hexanone  
Concen: 275.809 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

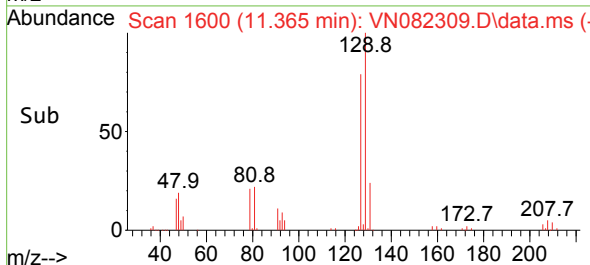
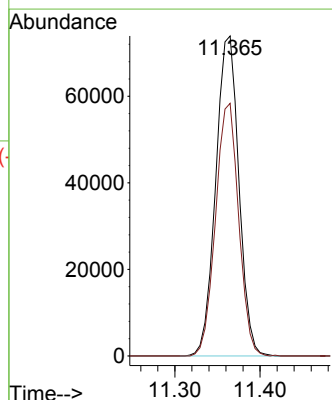
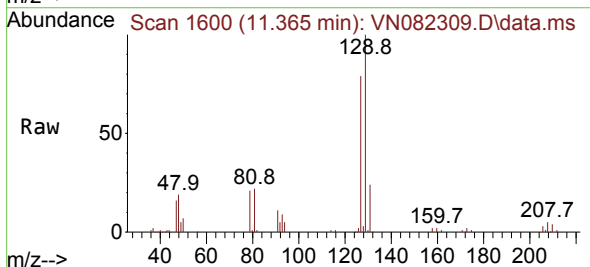
Instrument :  
MSVOA\_N  
ClientSampleId :

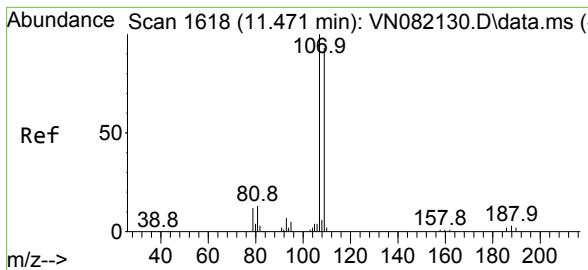
Tgt Ion: 43 Resp: 785103  
Ion Ratio Lower Upper  
43 100  
58 48.6 28.3 84.9



#60  
Dibromochloromethane  
Concen: 56.365 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. 0.006 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 129 Resp: 139579  
Ion Ratio Lower Upper  
129 100  
127 78.8 38.3 114.8

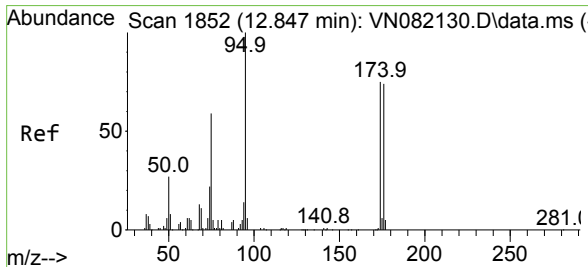
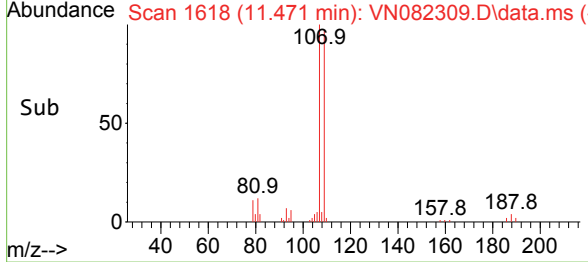
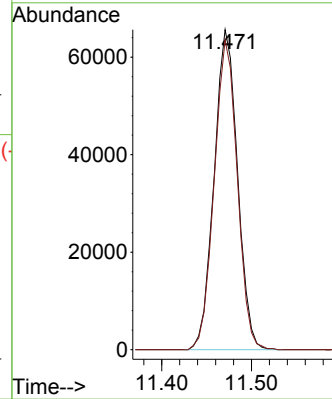
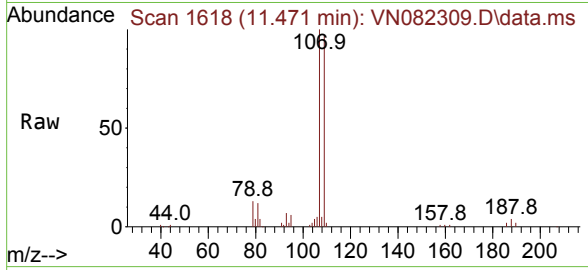




#61  
1,2-Dibromoethane  
Concen: 51.529 ug/l  
RT: 11.471 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

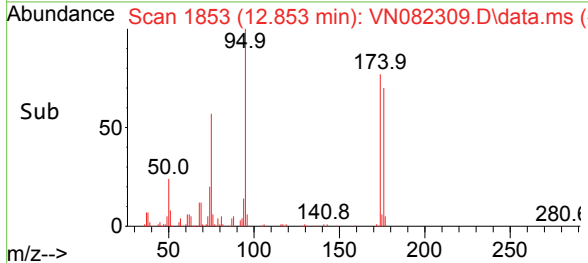
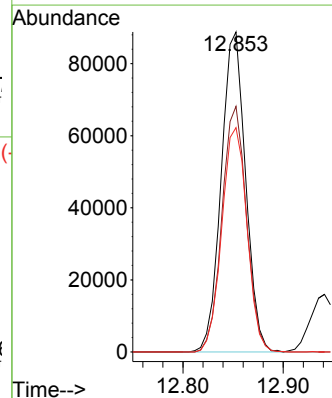
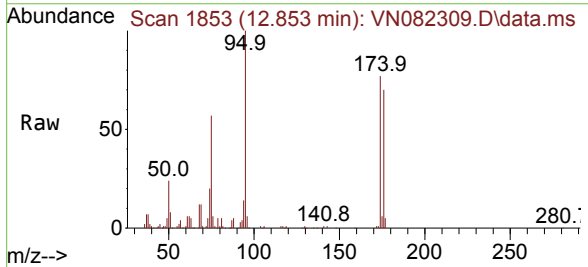
Instrument :  
MSVOA\_N  
ClientSampleId :

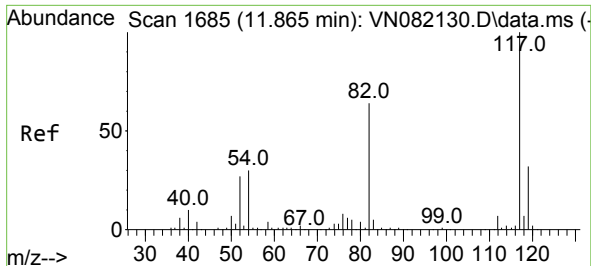
Tgt Ion:107 Resp: 118765  
Ion Ratio Lower Upper  
107 100  
109 95.3 75.8 113.6



#62  
4-Bromofluorobenzene  
Concen: 53.178 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

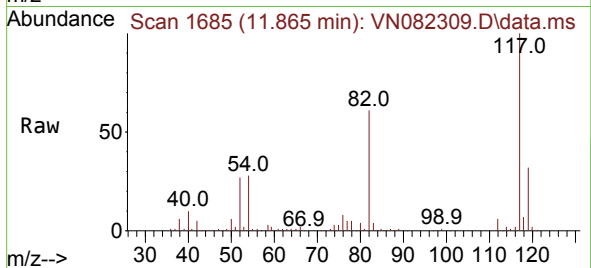
Tgt Ion: 95 Resp: 149712  
Ion Ratio Lower Upper  
95 100  
174 77.1 0.0 160.6  
176 72.4 0.0 152.8



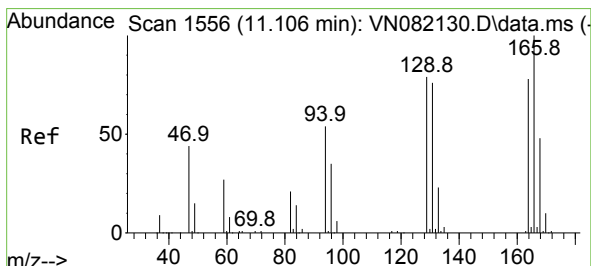
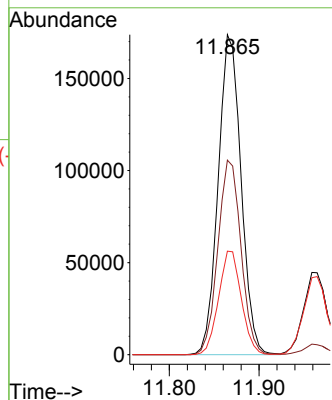
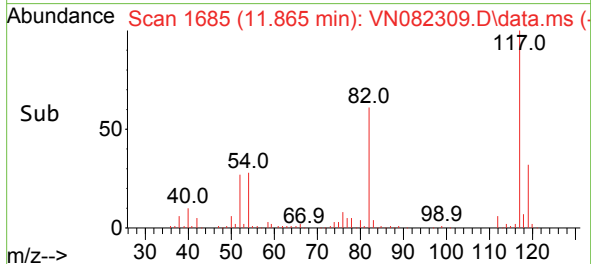


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

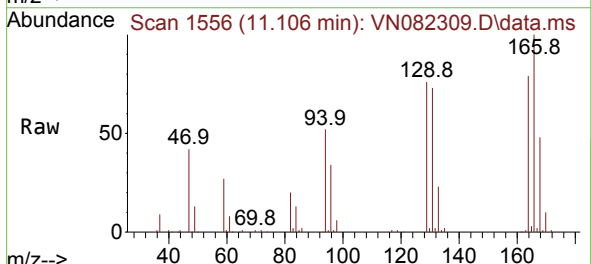
Instrument :  
MSVOA\_N  
ClientSampleId :



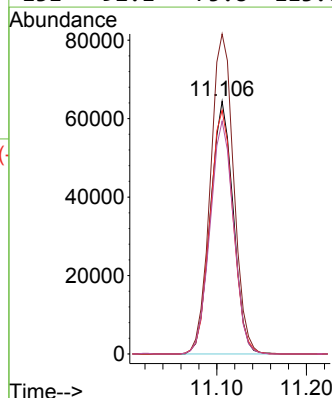
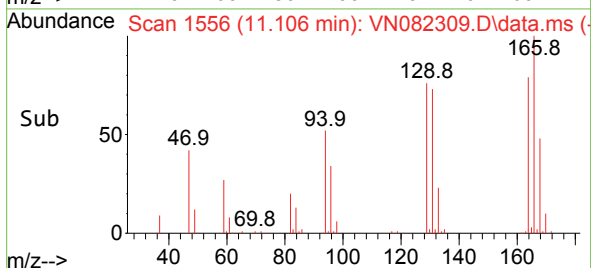
Tgt Ion:117 Resp: 307796  
Ion Ratio Lower Upper  
117 100  
82 60.8 44.6 66.8  
119 32.4 25.9 38.9

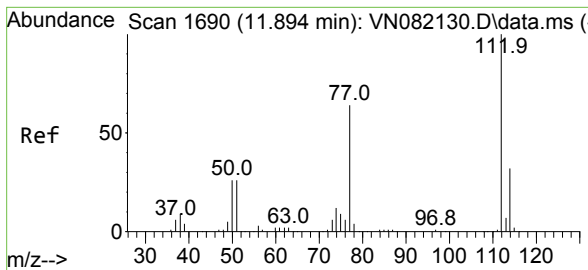


#64  
Tetrachloroethene  
Concen: 49.941 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55



Tgt Ion:164 Resp: 113934  
Ion Ratio Lower Upper  
164 100  
166 126.6 97.6 146.4  
129 96.4 73.7 110.5  
131 92.1 75.8 113.6

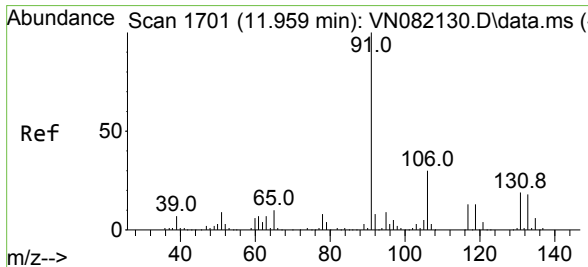
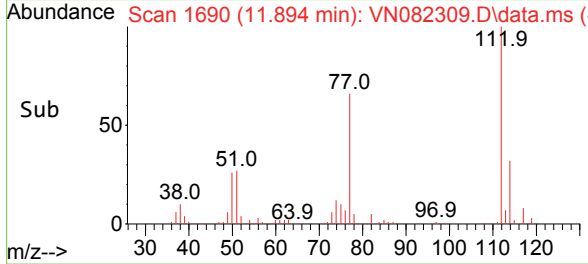
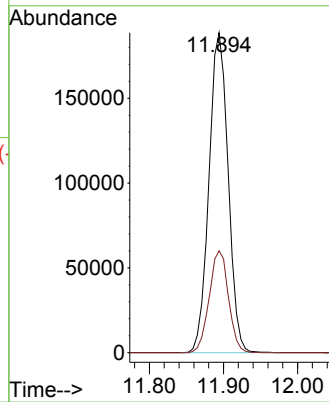
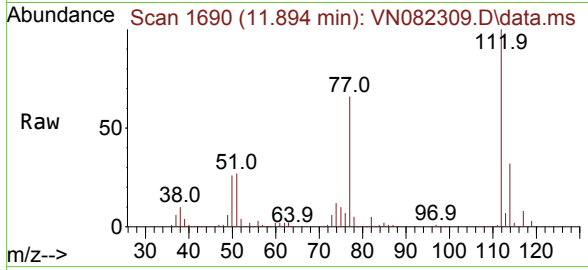




#65  
Chlorobenzene  
Concen: 49.845 ug/l  
RT: 11.894 min Scan# 1119  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

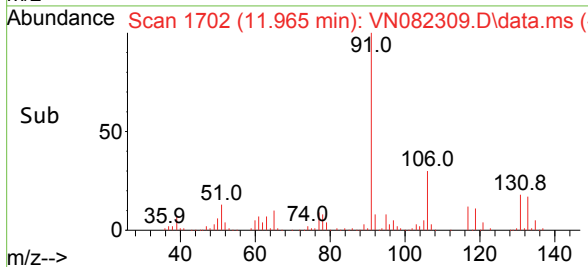
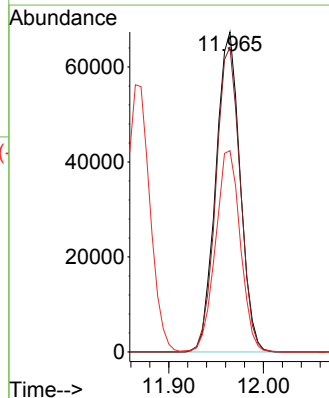
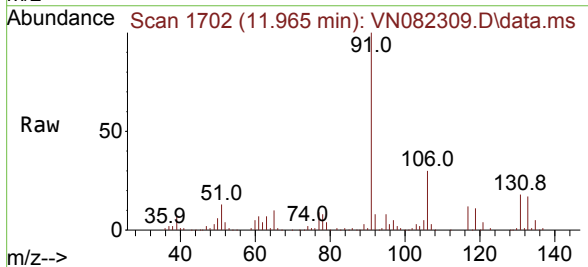
Instrument :  
MSVOA\_N  
ClientSampleId :

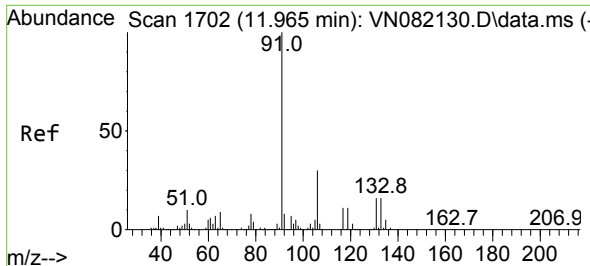
Tgt Ion:112 Resp: 338930  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.545 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.006 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion:131 Resp: 119928  
Ion Ratio Lower Upper  
131 100  
133 95.5 47.5 142.6  
119 64.7 32.9 98.7

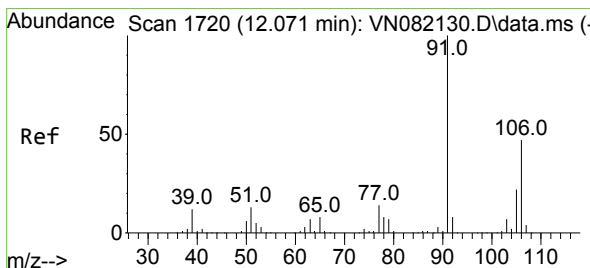
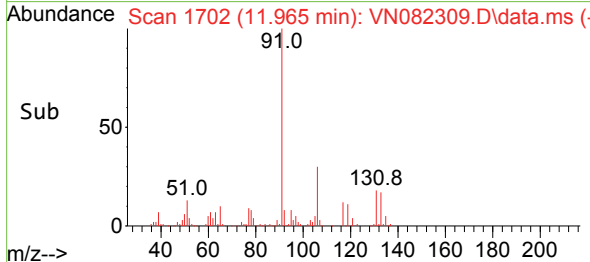
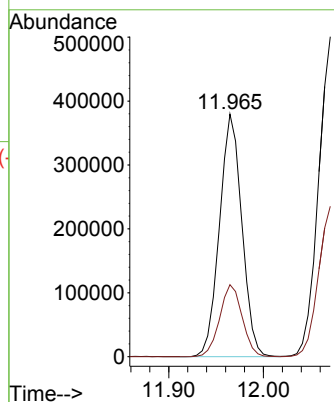
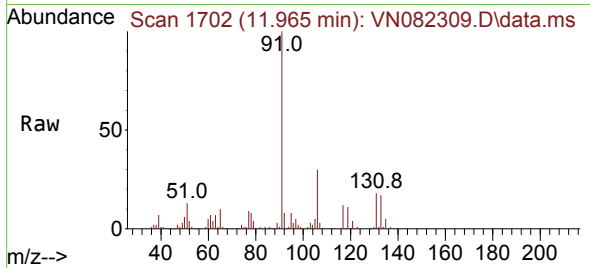




#67  
Ethyl Benzene  
Concen: 51.209 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

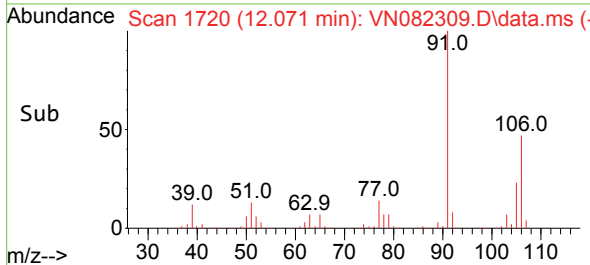
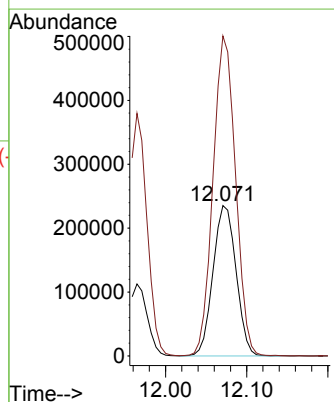
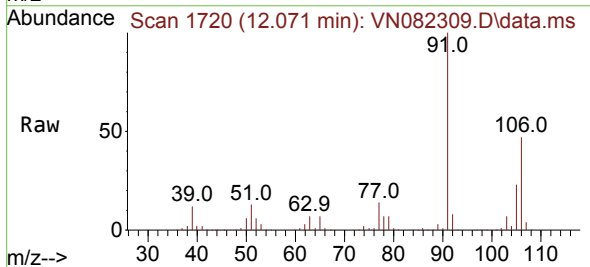
Instrument :  
MSVOA\_N  
ClientSampleId :

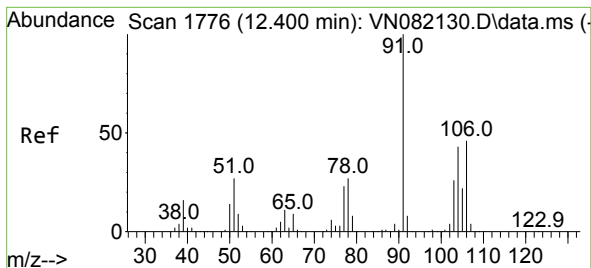
Tgt Ion: 91 Resp: 622893  
Ion Ratio Lower Upper  
91 100  
106 29.7 25.3 37.9



#68  
m/p-Xylenes  
Concen: 104.152 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion:106 Resp: 464313  
Ion Ratio Lower Upper  
106 100  
91 208.3 159.4 239.0





#69

o-Xylene

Concen: 51.820 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

Instrument :

MSVOA\_N

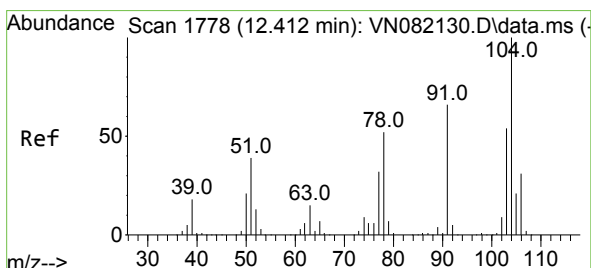
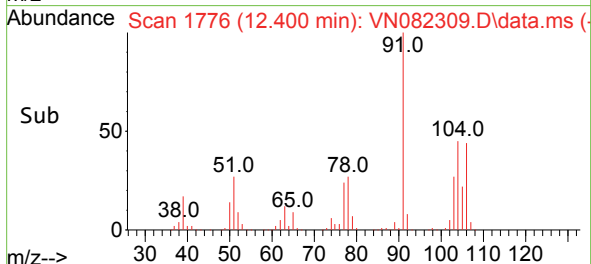
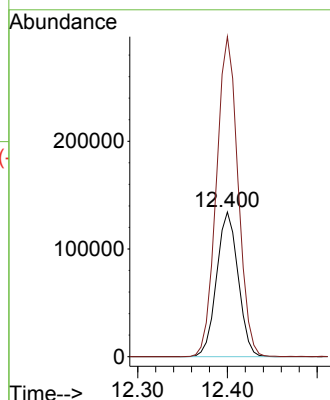
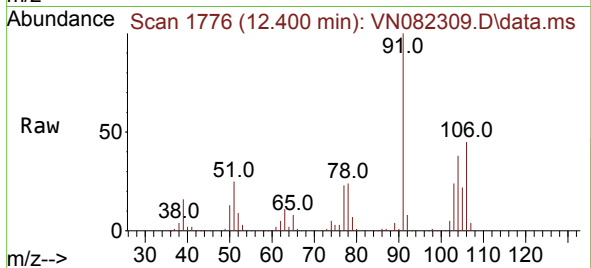
ClientSampleId :

Tgt Ion:106 Resp: 223778

Ion Ratio Lower Upper

106 100

91 222.3 104.7 314.1



#70

Styrene

Concen: 53.614 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

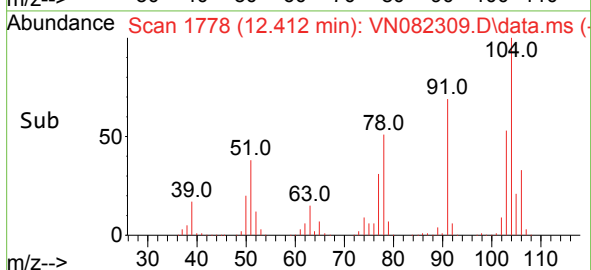
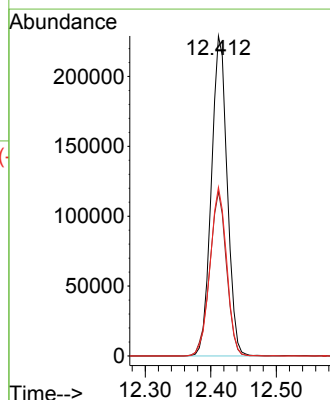
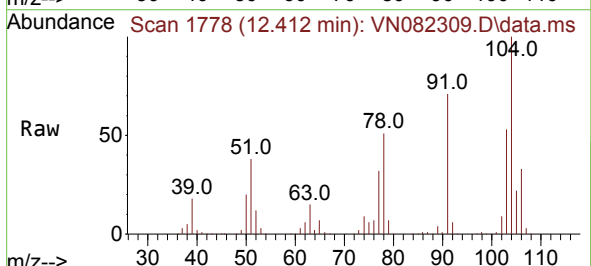
Tgt Ion:104 Resp: 384564

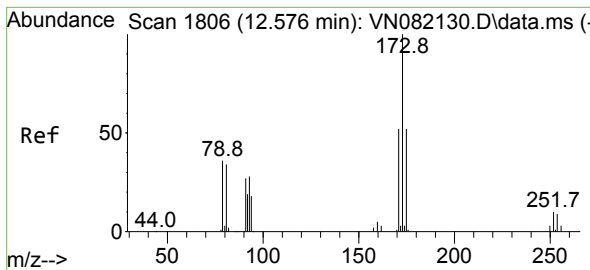
Ion Ratio Lower Upper

104 100

78 54.1 38.6 58.0

103 55.3 43.8 65.6





#71

Bromoform

Concen: 53.647 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

Instrument :

MSVOA\_N

ClientSampleId :

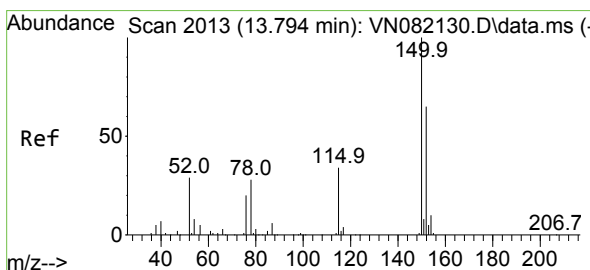
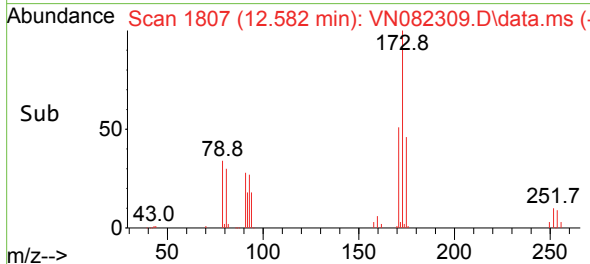
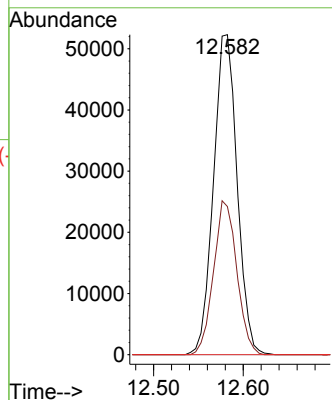
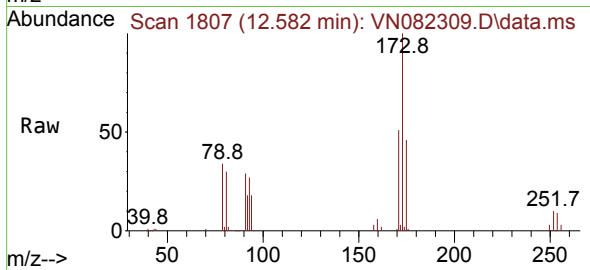
Tgt Ion:173 Resp: 95658

Ion Ratio Lower Upper

173 100

175 47.3 24.6 74.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

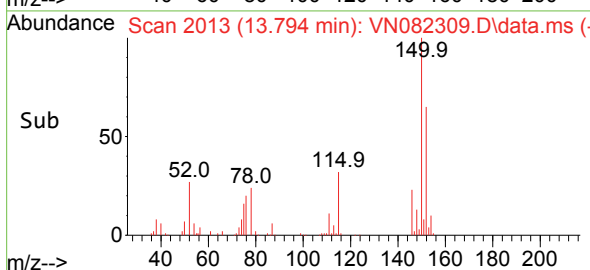
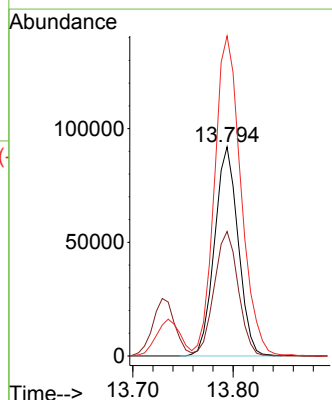
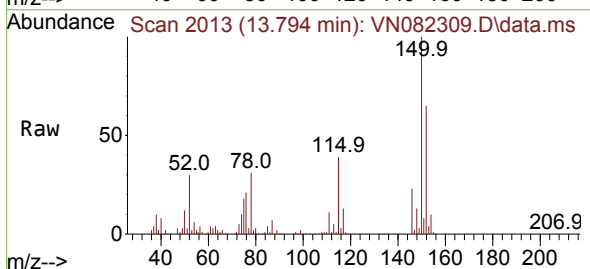
Tgt Ion:152 Resp: 150241

Ion Ratio Lower Upper

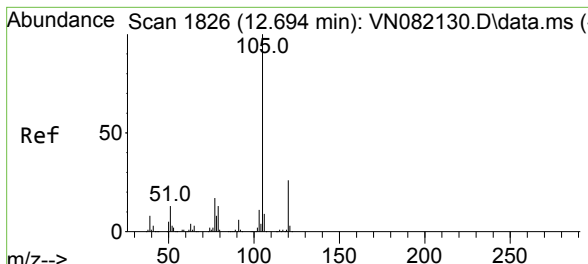
152 100

115 60.8 30.4 91.3

150 171.6 0.0 353.2

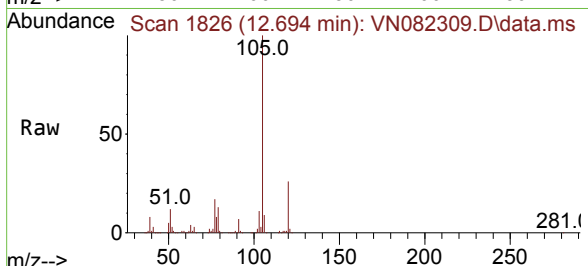




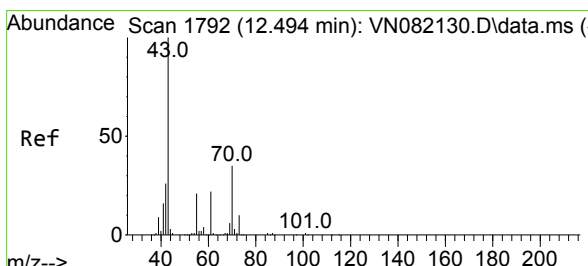
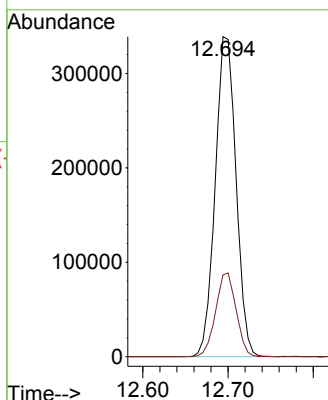
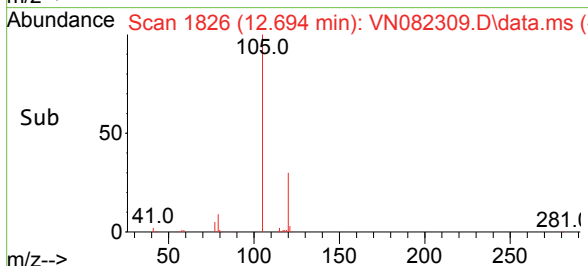


#73  
Isopropylbenzene  
Concen: 48.183 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

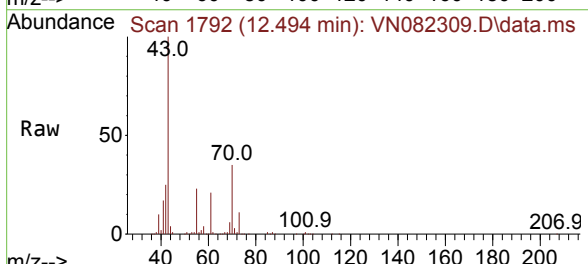
Instrument :  
MSVOA\_N  
ClientSampleId :



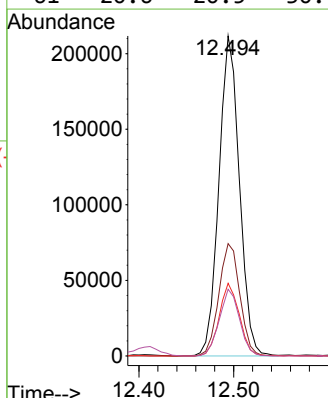
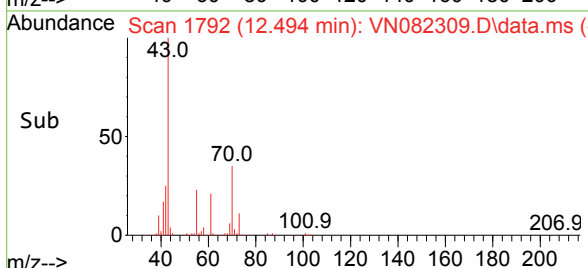
Tgt Ion:105 Resp: 575100  
Ion Ratio Lower Upper  
105 100  
120 25.7 13.4 40.1

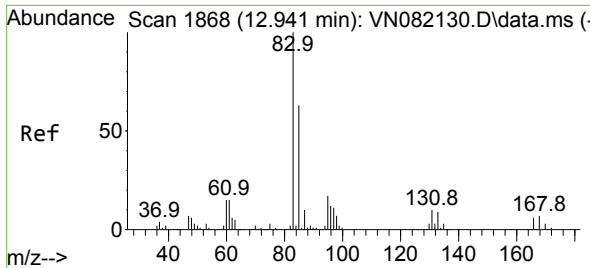


#74  
N-ethyl acetate  
Concen: 48.546 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55



Tgt Ion: 43 Resp: 318721  
Ion Ratio Lower Upper  
43 100  
70 36.0 39.0 58.4#  
55 22.3 21.3 31.9  
61 20.6 20.5 30.7

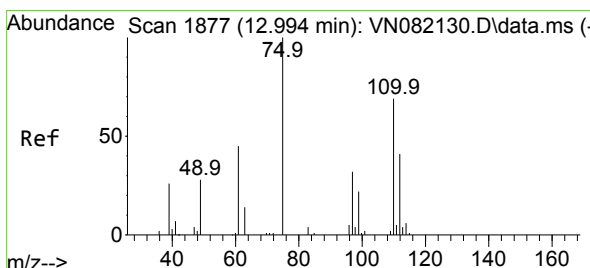
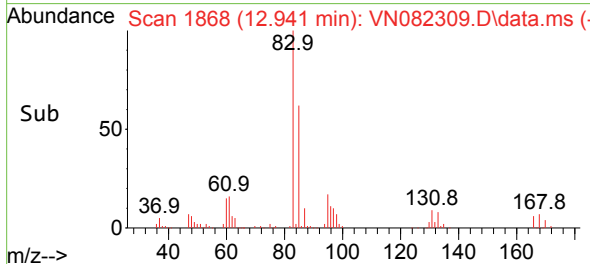
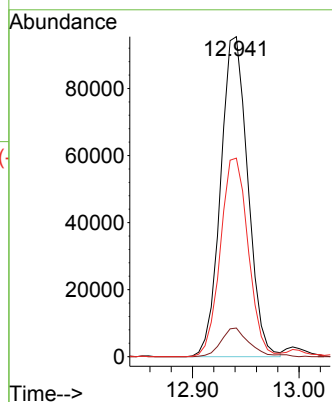
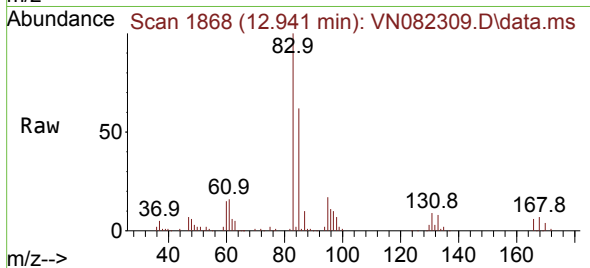




#75  
1,1,2,2-Tetrachloroethane  
Concen: 49.182 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

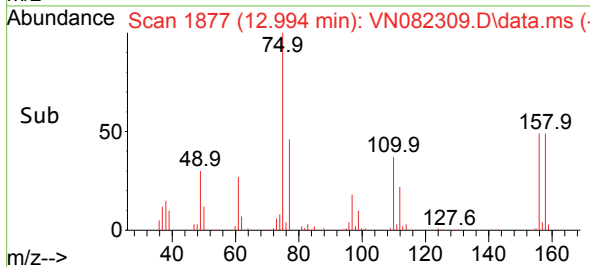
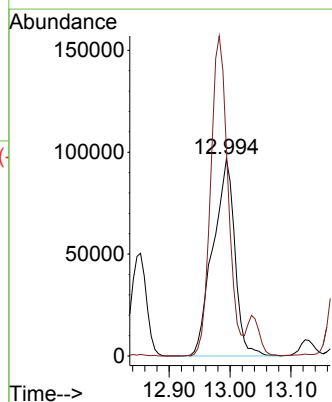
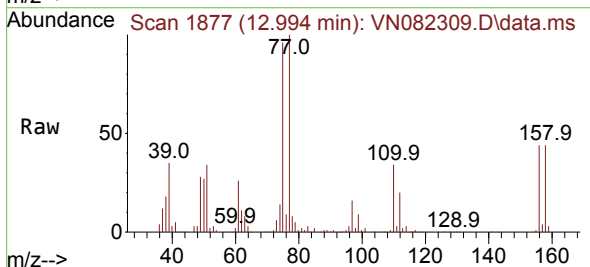
Instrument :  
MSVOA\_N  
ClientSampleId :

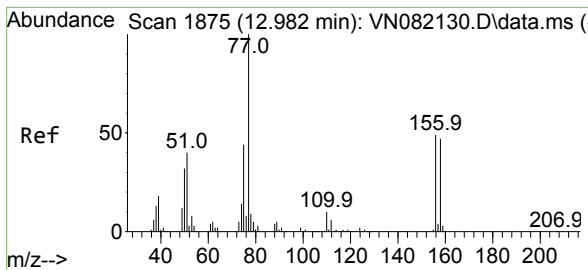
Tgt Ion: 83 Resp: 169218  
Ion Ratio Lower Upper  
83 100  
131 9.4 5.5 16.4  
85 63.5 32.9 98.6



#76  
1,2,3-Trichloropropane  
Concen: 76.389 ug/l  
RT: 12.994 min Scan# 1877  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 75 Resp: 241558  
Ion Ratio Lower Upper  
75 100  
77 129.2 90.5 271.3

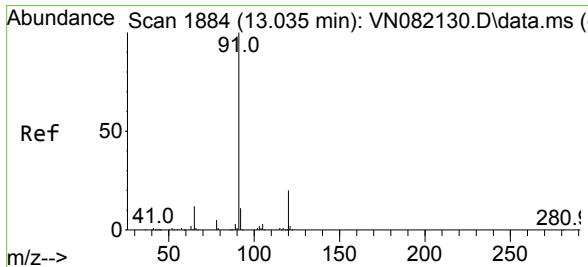
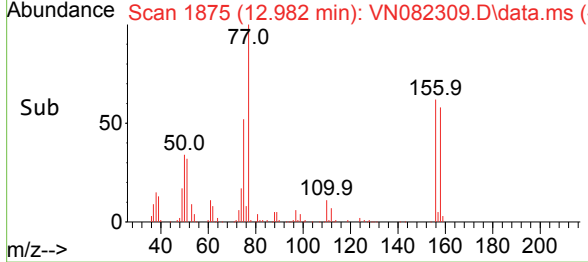
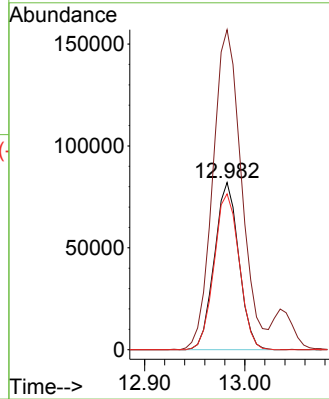
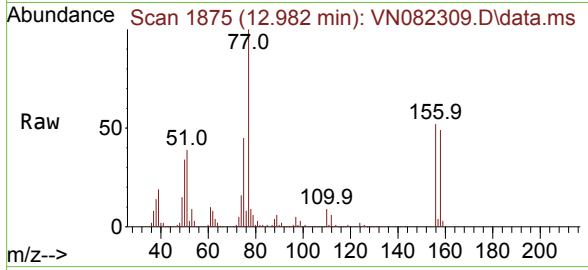




#77  
Bromobenzene  
Concen: 48.701 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

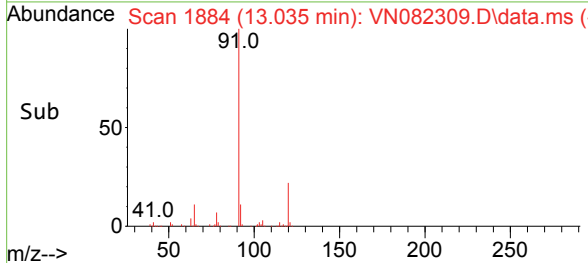
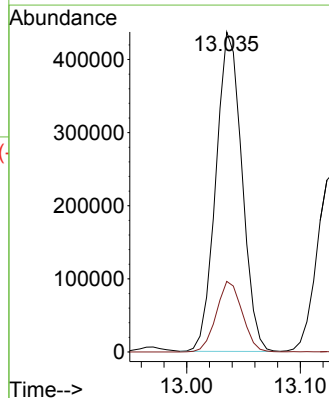
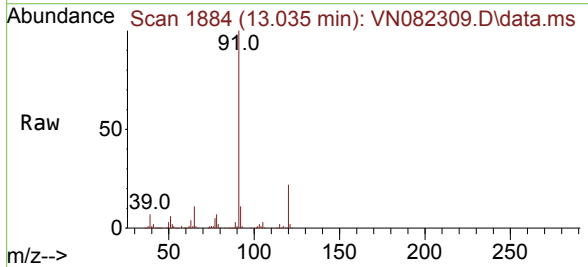
Instrument :  
MSVOA\_N  
ClientSampleId :

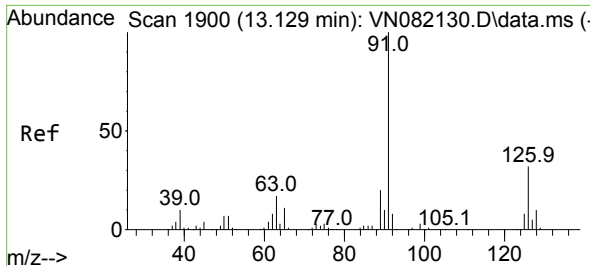
Tgt Ion:156 Resp: 138527  
Ion Ratio Lower Upper  
156 100  
77 225.4 100.2 300.6  
158 95.8 49.1 147.3



#78  
n-propylbenzene  
Concen: 49.290 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 91 Resp: 696670  
Ion Ratio Lower Upper  
91 100  
120 21.9 11.7 35.0

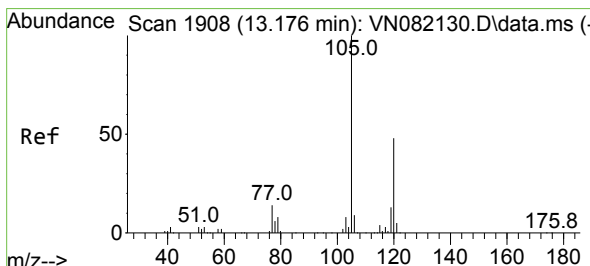
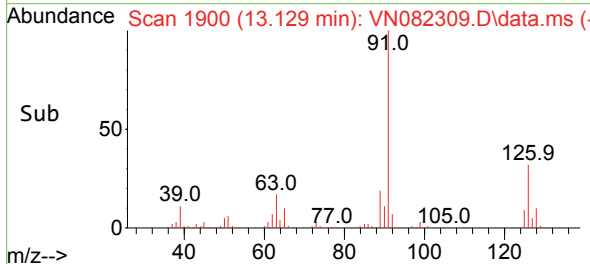
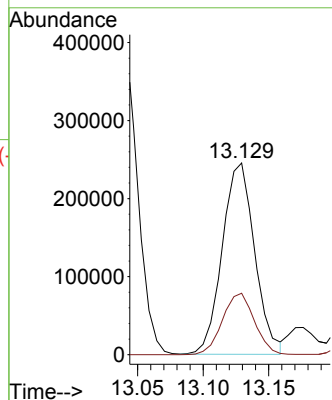
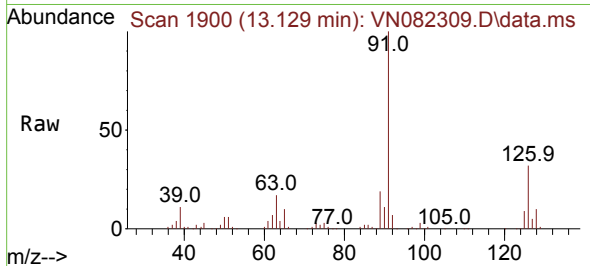




#79  
2-Chlorotoluene  
Concen: 47.543 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

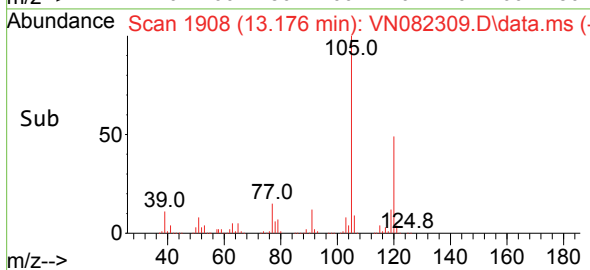
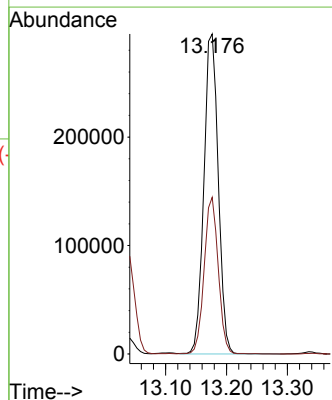
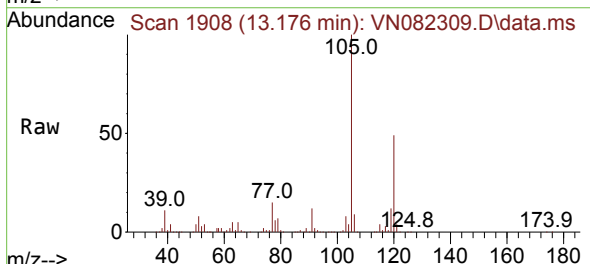
Instrument :  
MSVOA\_N  
ClientSampleId :

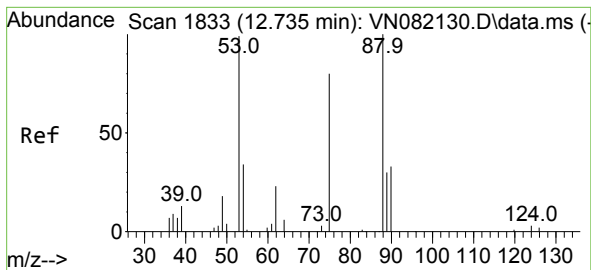
Tgt Ion: 91 Resp: 421955  
Ion Ratio Lower Upper  
91 100  
126 31.8 17.5 52.5



#80  
1,3,5-Trimethylbenzene  
Concen: 50.283 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 105 Resp: 485292  
Ion Ratio Lower Upper  
105 100  
120 48.0 24.8 74.3

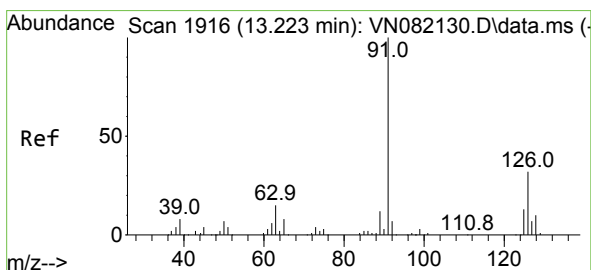
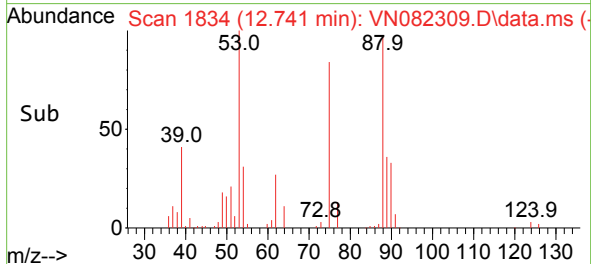
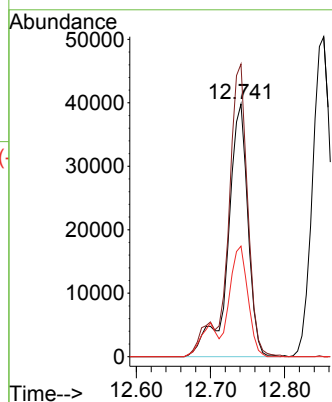
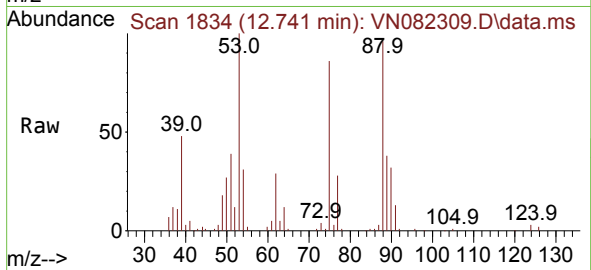




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.384 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.006 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

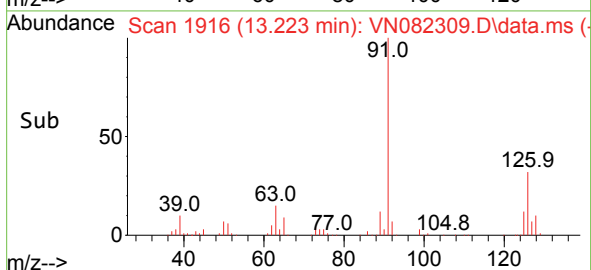
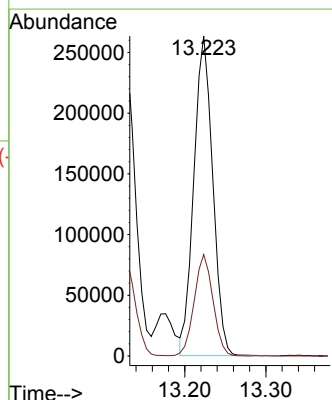
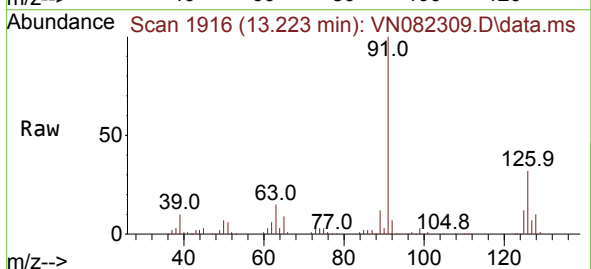
Instrument :  
MSVOA\_N  
ClientSampleId :

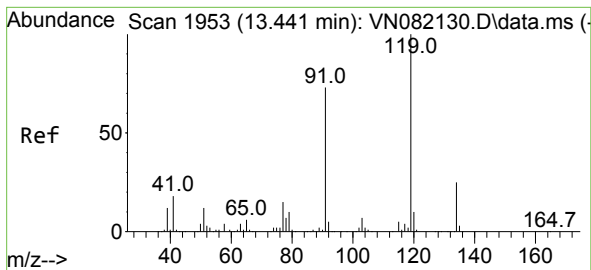
Tgt Ion: 75 Resp: 74878  
Ion Ratio Lower Upper  
75 100  
53 114.9 72.9 109.3#  
89 39.6 39.1 58.7



#82  
4-Chlorotoluene  
Concen: 49.046 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

Tgt Ion: 91 Resp: 425600  
Ion Ratio Lower Upper  
91 100  
126 31.5 17.4 52.3

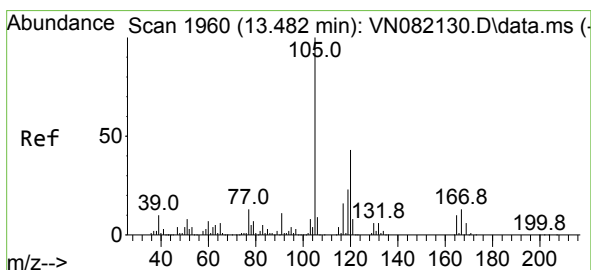
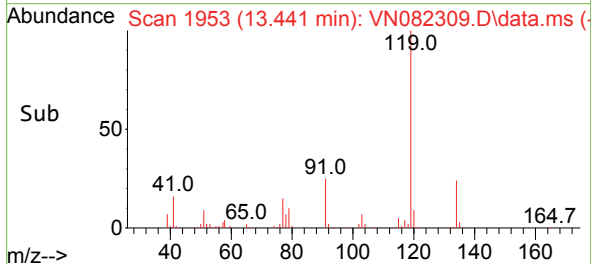
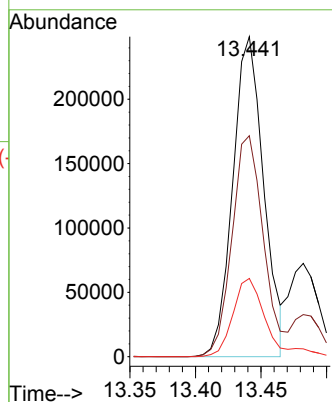
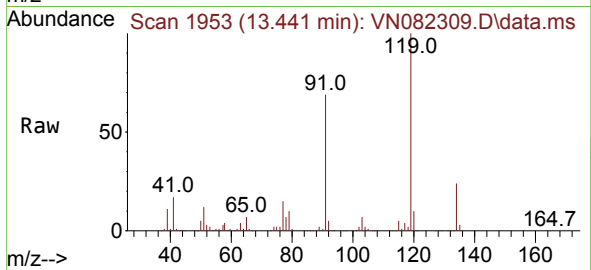




#83  
 tert-Butylbenzene  
 Concen: 48.330 ug/l  
 RT: 13.441 min Scan# 1953  
 Delta R.T. 0.000 min  
 Lab File: VN082309.D  
 Acq: 23 May 2024 09:55

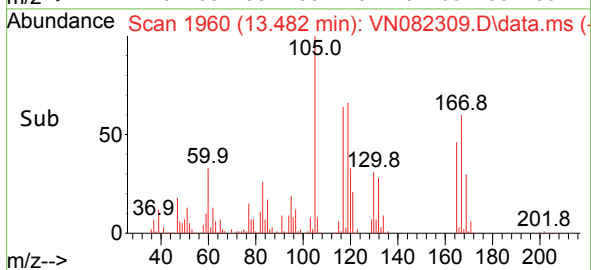
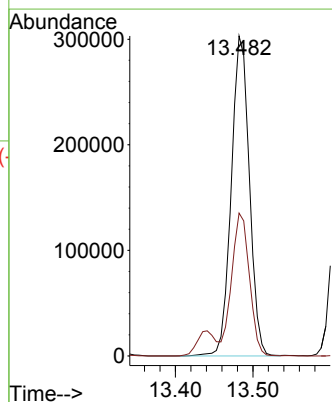
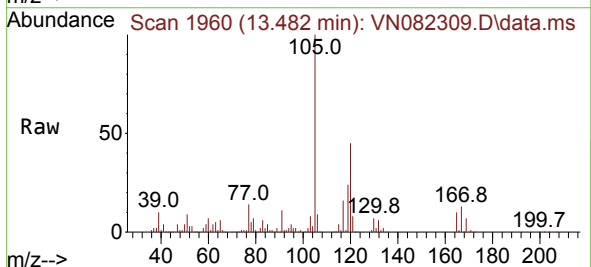
Instrument :  
 MSVOA\_N  
 ClientSampleId :

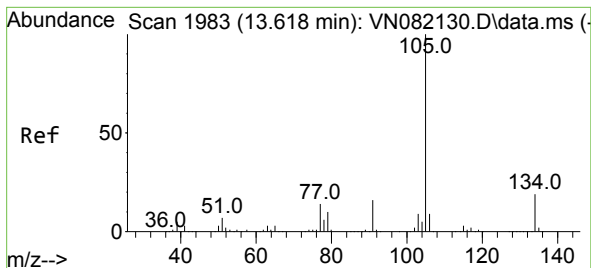
Tgt Ion:119 Resp: 408066  
 Ion Ratio Lower Upper  
 119 100  
 91 71.0 32.6 97.8  
 134 26.3 12.4 37.0



#84  
 1,2,4-Trimethylbenzene  
 Concen: 49.913 ug/l  
 RT: 13.482 min Scan# 1960  
 Delta R.T. 0.000 min  
 Lab File: VN082309.D  
 Acq: 23 May 2024 09:55

Tgt Ion:105 Resp: 492846  
 Ion Ratio Lower Upper  
 105 100  
 120 43.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 49.640 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

Instrument :

MSVOA\_N

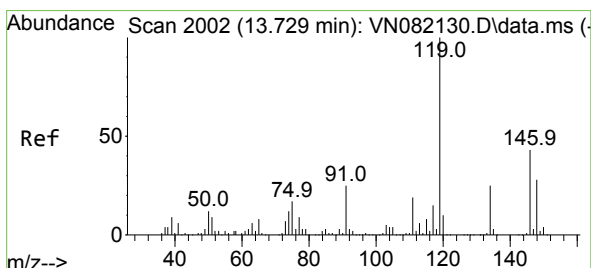
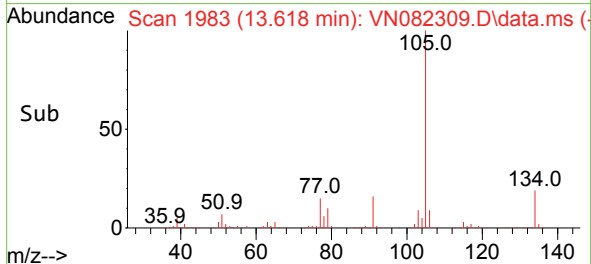
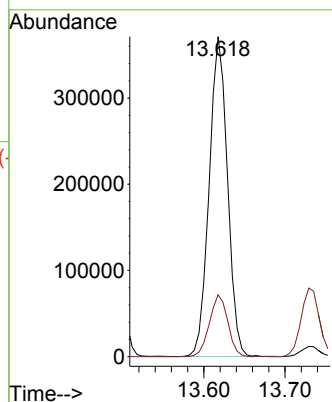
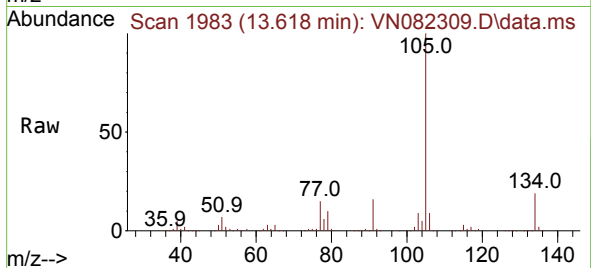
ClientSampleId :

Tgt Ion:105 Resp: 580947

Ion Ratio Lower Upper

105 100

134 19.4 10.2 30.4



#86

p-Isopropyltoluene

Concen: 51.243 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

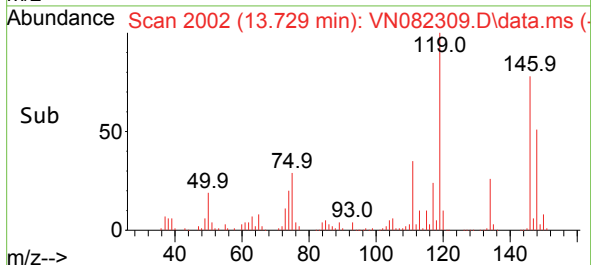
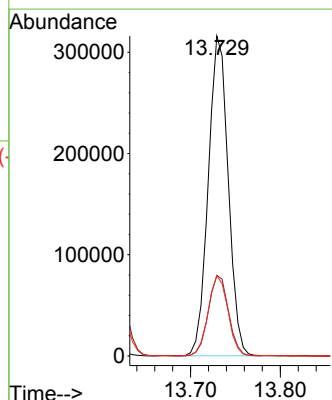
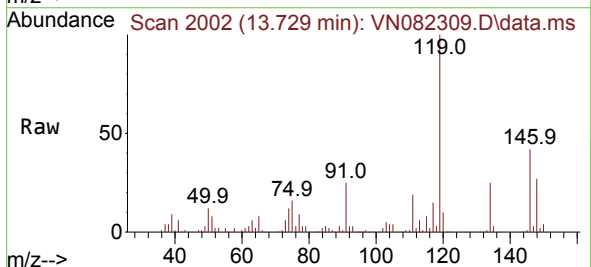
Tgt Ion:119 Resp: 487383

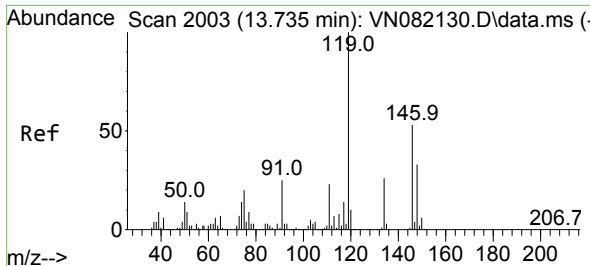
Ion Ratio Lower Upper

119 100

134 25.5 13.2 39.5

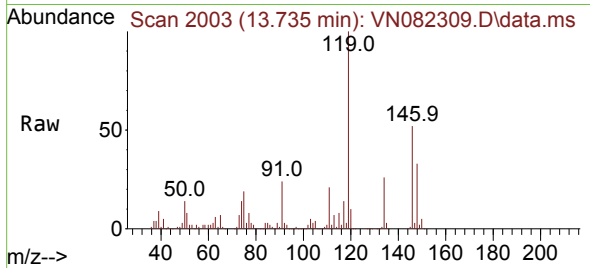
91 24.8 11.8 35.3



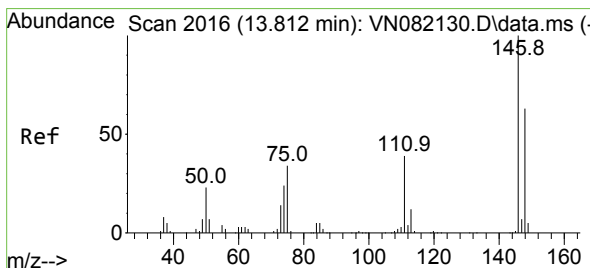
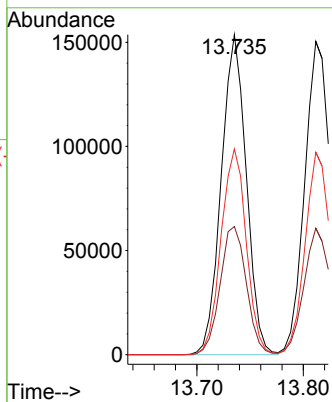
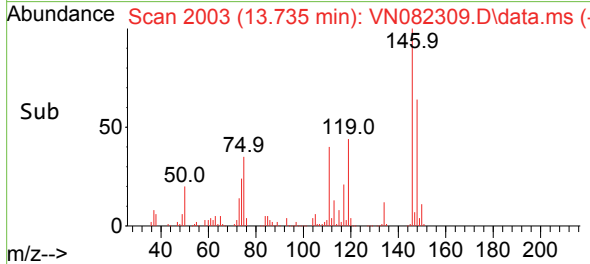


#87  
1,3-Dichlorobenzene  
Concen: 48.760 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

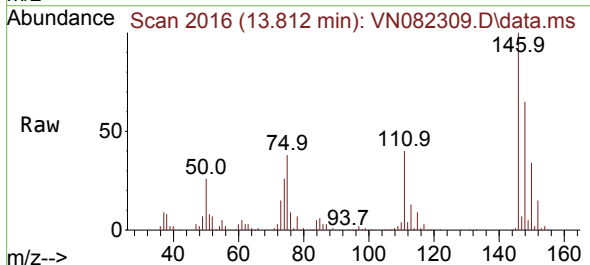
Instrument :  
MSVOA\_N  
ClientSampleId :



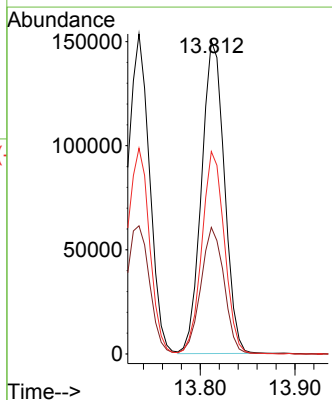
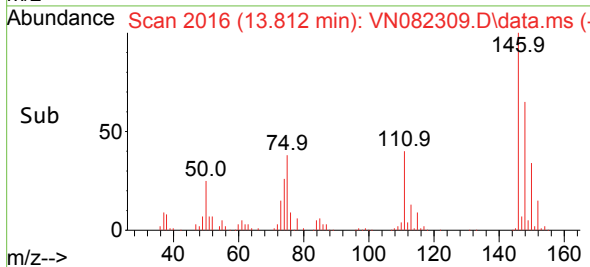
Tgt Ion:146 Resp: 251277  
Ion Ratio Lower Upper  
146 100  
111 42.1 20.8 62.5  
148 64.7 32.1 96.3



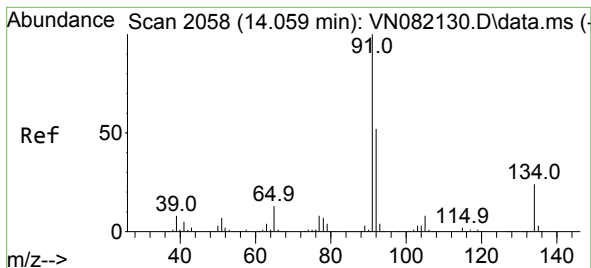
#88  
1,4-Dichlorobenzene  
Concen: 47.975 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55



Tgt Ion:146 Resp: 252331  
Ion Ratio Lower Upper  
146 100  
111 40.7 19.3 57.9  
148 63.9 31.3 93.9







#89

n-Butylbenzene

Concen: 50.191 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

Instrument :

MSVOA\_N

ClientSampleId :

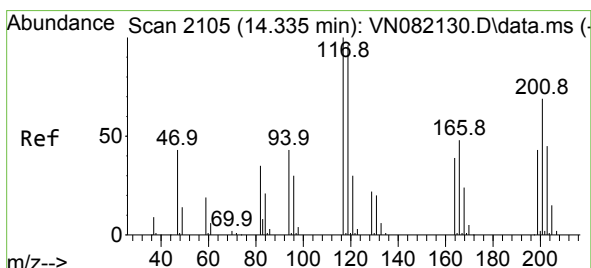
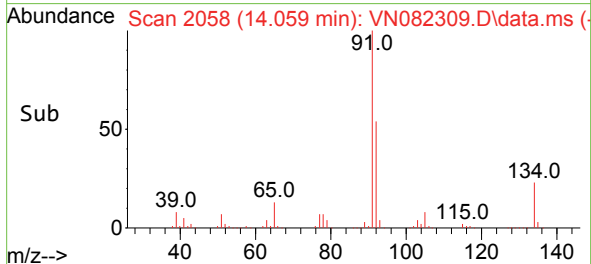
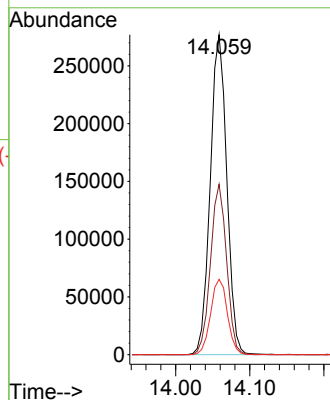
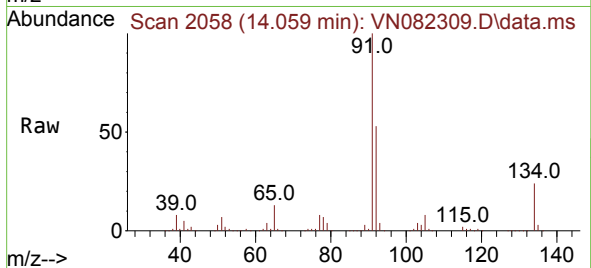
Tgt Ion: 91 Resp: 429071

Ion Ratio Lower Upper

91 100

92 52.0 26.2 78.5

134 23.9 13.2 39.5



#90

Hexachloroethane

Concen: 50.947 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN082309.D

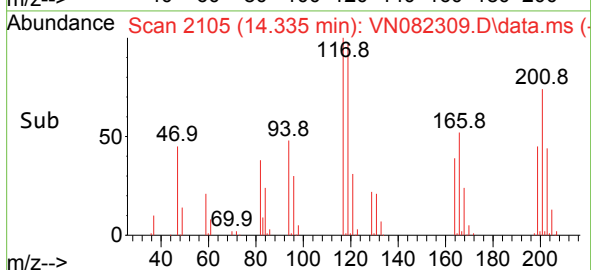
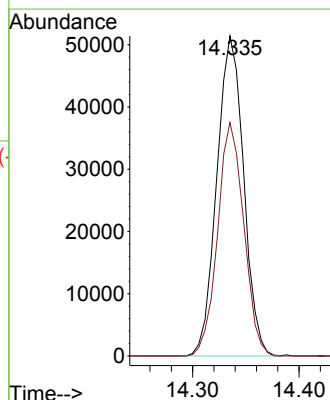
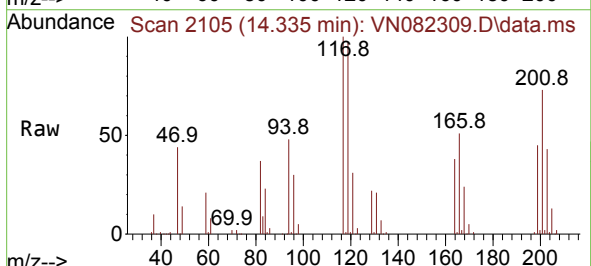
Acq: 23 May 2024 09:55

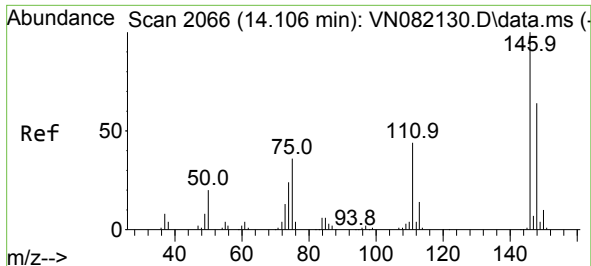
Tgt Ion: 117 Resp: 89780

Ion Ratio Lower Upper

117 100

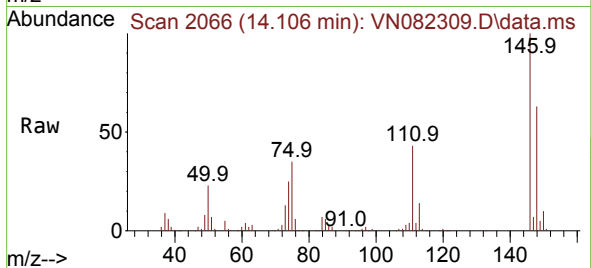
201 71.2 33.3 99.8



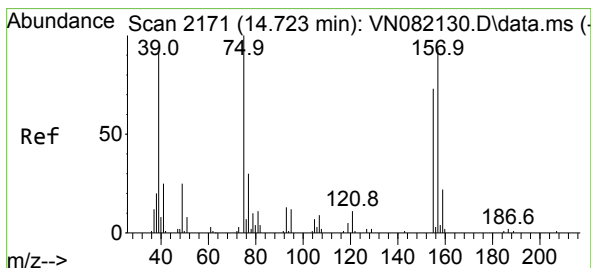
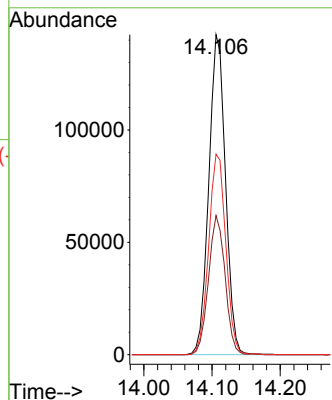
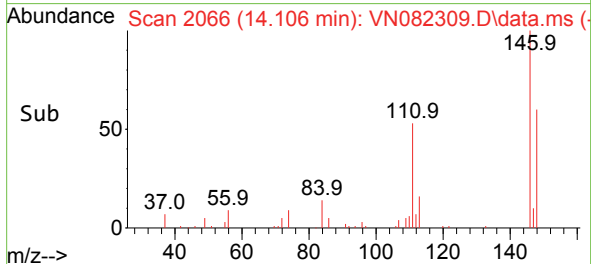


#91  
1,2-Dichlorobenzene  
Concen: 49.738 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55

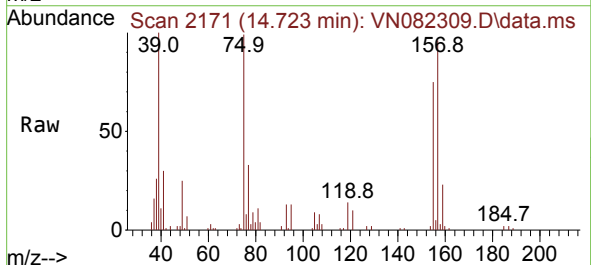
Instrument :  
MSVOA\_N  
ClientSampleId :



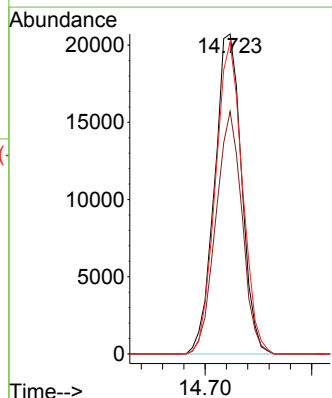
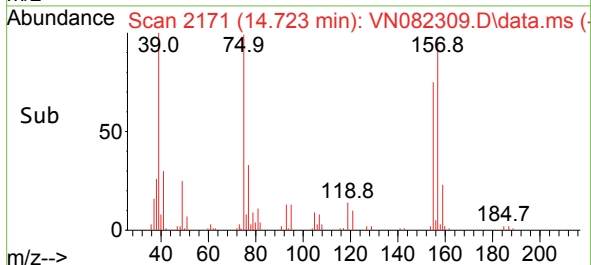
Tgt Ion:146 Resp: 242621  
Ion Ratio Lower Upper  
146 100  
111 43.2 21.3 64.0  
148 64.4 31.8 95.4

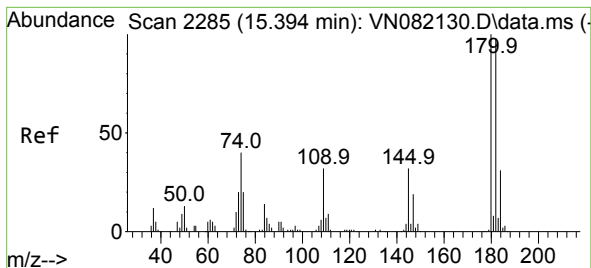


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 51.412 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.000 min  
Lab File: VN082309.D  
Acq: 23 May 2024 09:55



Tgt Ion: 75 Resp: 36344  
Ion Ratio Lower Upper  
75 100  
155 73.9 42.6 128.0  
157 97.1 53.0 159.0





#93

1,2,4-Trichlorobenzene

Concen: 48.239 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

Instrument :

MSVOA\_N

ClientSampleId :

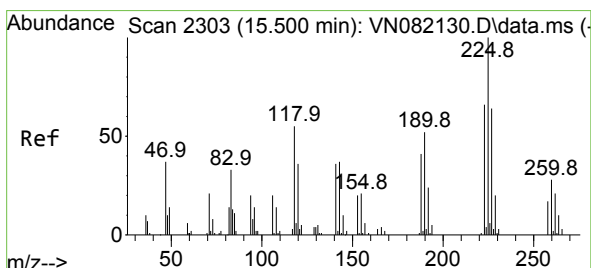
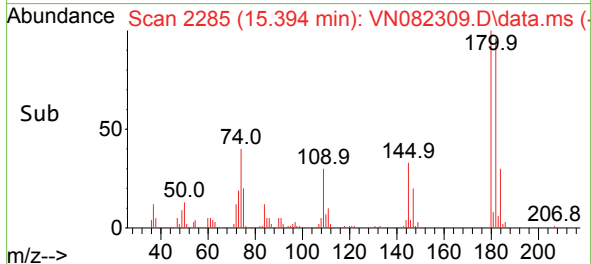
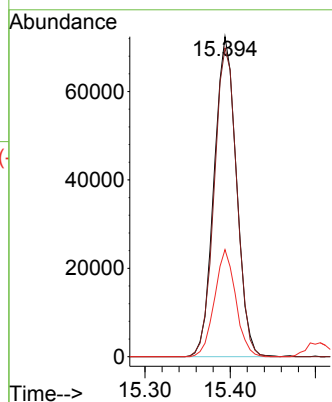
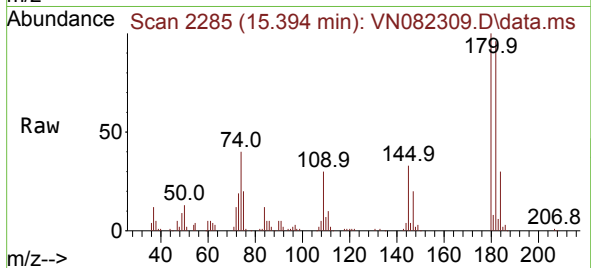
Tgt Ion:180 Resp: 131898

Ion Ratio Lower Upper

180 100

182 97.4 46.7 140.0

145 31.7 16.2 48.6



#94

Hexachlorobutadiene

Concen: 46.908 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.006 min

Lab File: VN082309.D

Acq: 23 May 2024 09:55

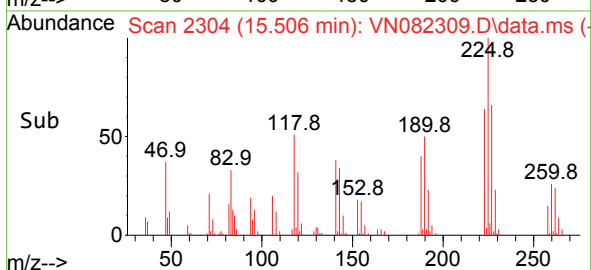
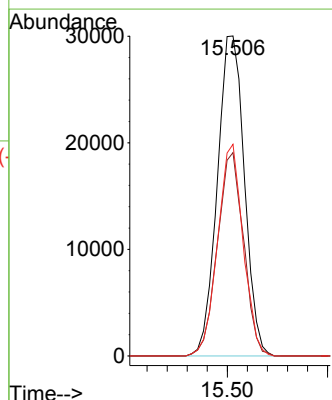
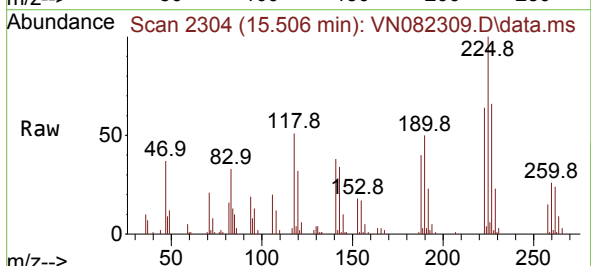
Tgt Ion:225 Resp: 56279

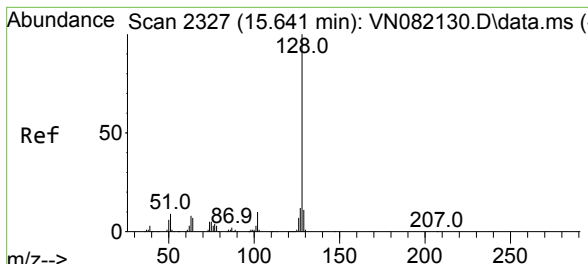
Ion Ratio Lower Upper

225 100

223 61.3 31.1 93.2

227 62.3 30.6 91.6

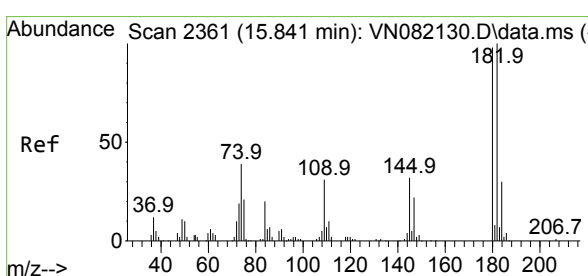
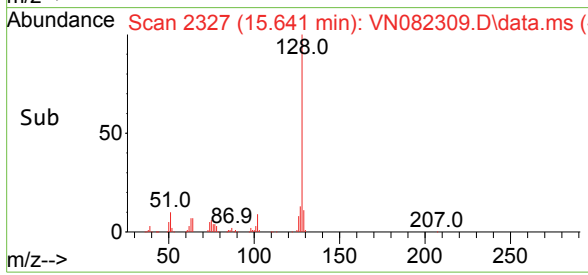
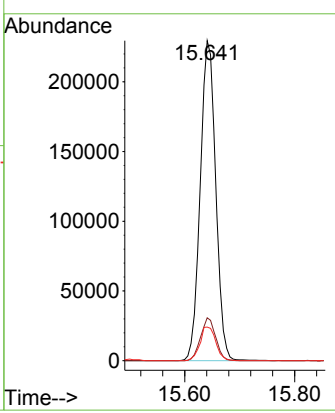
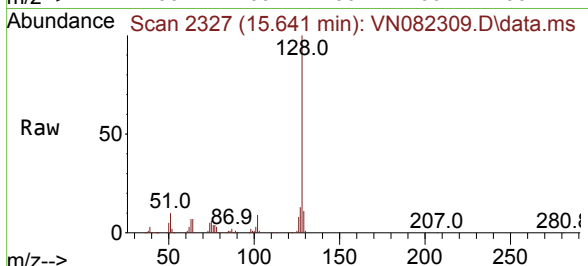




#95  
 Naphthalene  
 Concen: 52.422 ug/l  
 RT: 15.641 min Scan# 2327  
 Delta R.T. 0.000 min  
 Lab File: VN082309.D  
 Acq: 23 May 2024 09:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 449196 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.1  | 15.1   |
| 129       | 10.8  | 8.9   | 13.3   |



#96  
 1,2,3-Trichlorobenzene  
 Concen: 48.512 ug/l  
 RT: 15.841 min Scan# 2361  
 Delta R.T. 0.000 min  
 Lab File: VN082309.D  
 Acq: 23 May 2024 09:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 132790 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.8  | 46.0  | 137.8  |
| 145       | 33.3  | 17.1  | 51.3   |

