

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072023\  
 Data File : VN078602.D  
 Acq On : 20 Jul 2023 18:46  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jul 21 06:20:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.230  | 168   | 489741   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106  | 114   | 838169   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.871 | 117   | 761310   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 328655   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.588  | 65    | 332024   | 50.571   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 101.140% |
| 35) Dibromofluoromethane     | 8.177  | 113   | 292858   | 51.471   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 102.940% |
| 50) Toluene-d8               | 10.571 | 98    | 1078035  | 50.155   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 100.300% |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 348899   | 52.699   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 105.400% |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.136  | 85    | 244658   | 40.746   | ug/l   | 98       |
| 3) Chloromethane             | 2.371  | 50    | 294225   | 45.083   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.518  | 62    | 392743   | 46.520   | ug/l   | 100      |
| 5) Bromomethane              | 2.948  | 94    | 251621   | 46.803   | ug/l   | 98       |
| 6) Chloroethane              | 3.118  | 64    | 248615   | 48.628   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.500  | 101   | 466009   | 46.176   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.965  | 74    | 162517   | 48.334   | ug/l   | 80       |
| 9) 1,1,2-Trichlorotrifluo... | 4.383  | 101   | 250864   | 46.958   | ug/l   | 96       |
| 10) Methyl Iodide            | 4.600  | 142   | 345166   | 47.018   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.542  | 59    | 248793   | 245.741  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.347  | 96    | 236963   | 45.855   | ug/l   | 91       |
| 13) Acrolein                 | 4.189  | 56    | 223562   | 224.441  | ug/l   | 100      |
| 14) Allyl chloride           | 5.036  | 41    | 321907   | 45.588   | ug/l   | 94       |
| 15) Acrylonitrile            | 5.730  | 53    | 641803   | 250.900  | ug/l   | 98       |
| 16) Acetone                  | 4.442  | 43    | 503860   | 246.368  | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.718  | 76    | 565597   | 37.850   | ug/l   | 99       |
| 18) Methyl Acetate           | 5.042  | 43    | 434158   | 50.148   | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 5.806  | 73    | 851084   | 49.986   | ug/l   | 98       |
| 20) Methylene Chloride       | 5.283  | 84    | 298884   | 50.973   | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.794  | 96    | 264777   | 45.468   | ug/l   | 87       |
| 22) Diisopropyl ether        | 6.683  | 45    | 831415   | 52.584   | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.612  | 43    | 2564428  | 255.121  | ug/l # | 90       |
| 24) 1,1-Dichloroethane       | 6.583  | 63    | 523731   | 49.157   | ug/l   | 98       |
| 25) 2-Butanone               | 7.494  | 43    | 819014   | 254.404  | ug/l # | 87       |
| 26) 2,2-Dichloropropane      | 7.500  | 77    | 399515   | 45.848   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.494  | 96    | 330662   | 49.084   | ug/l   | 94       |
| 28) Bromochloromethane       | 7.824  | 49    | 236663   | 47.161   | ug/l   | 90       |
| 29) Tetrahydrofuran          | 7.847  | 42    | 534418   | 252.987  | ug/l   | 85       |
| 30) Chloroform               | 7.971  | 83    | 573869   | 51.737   | ug/l   | 92       |
| 31) Cyclohexane              | 8.265  | 56    | 378287   | 42.634   | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 8.177  | 97    | 489144   | 49.186   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.383  | 75    | 391224   | 47.620   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.571  | 43    | 352877   | 51.526   | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 8.365  | 117   | 438882   | 49.153   | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.612  | 83    | 361683   | 48.231   | ug/l   | 96       |
| 40) Benzene                  | 8.612  | 78    | 1217698  | 50.031   | ug/l   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jul 21 06:20:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 190455   | 54.551   | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 413814   | 49.986   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.700  | 43   | 602201   | 53.409   | ug/l   | 94       |
| 44) Trichloroethene           | 9.359  | 130  | 309664   | 47.206   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.630  | 63   | 319101   | 51.765   | ug/l   | 99       |
| 46) Dibromomethane            | 9.718  | 93   | 221315   | 51.009   | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.894  | 83   | 456621   | 52.502   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.688  | 41   | 269018   | 51.499   | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 119971   | 1053.118 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 1804538  | 269.066  | ug/l   | 94       |
| 52) Toluene                   | 10.635 | 92   | 756363   | 50.141   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 460841   | 51.722   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 504983   | 53.170   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 11.024 | 97   | 312801   | 52.631   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 448177   | 53.945   | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 11.171 | 76   | 517397   | 51.200   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 747331   | 252.410  | ug/l   | 93       |
| 59) 2-Hexanone                | 11.200 | 43   | 1277325  | 267.979  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.365 | 129  | 347035   | 52.891   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.476 | 107  | 313393   | 51.188   | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.112 | 164  | 251840   | 43.999   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.894 | 112  | 825261   | 48.496   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 326022   | 49.801   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.971 | 91   | 1454786  | 50.576   | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.076 | 106  | 1104098  | 103.816  | ug/l   | 98       |
| 69) o-Xylene                  | 12.406 | 106  | 544552   | 50.694   | ug/l   | 98       |
| 70) Styrene                   | 12.418 | 104  | 896651   | 53.355   | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 229088   | 51.671   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.700 | 105  | 1363873  | 44.164   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.500 | 43   | 477254   | 44.844   | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 445551   | 51.765   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 520089   | 65.469   | ug/l   | 71       |
| 77) Bromobenzene              | 12.982 | 156  | 323567   | 48.122   | ug/l   | 96       |
| 78) n-propylbenzene           | 13.041 | 91   | 1498359  | 45.369   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 936613   | 43.296   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 1103070  | 45.207   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 129225   | 42.747   | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.229 | 91   | 899384   | 44.567   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 935900   | 45.177   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 1101898  | 46.492   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.623 | 105  | 1170894  | 44.716   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 974451   | 46.346   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 535712   | 45.187   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146  | 515808   | 43.195   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 738065   | 49.060   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.341 | 117  | 188024   | 48.632   | ug/l   | 82       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 532682   | 45.149   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 67599    | 45.553   | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 167339   | 44.441   | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 97917    | 50.291   | ug/l   | 98       |
| 95) Naphthalene               | 15.647 | 128  | 511957   | 39.771   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 187121   | 43.218   | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

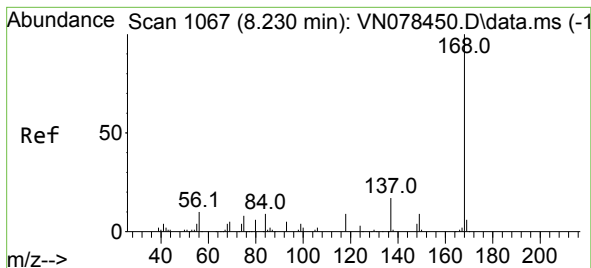
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jul 21 06:20:00 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 10 16:13:53 2023  
Response via : Initial Calibration

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.000 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

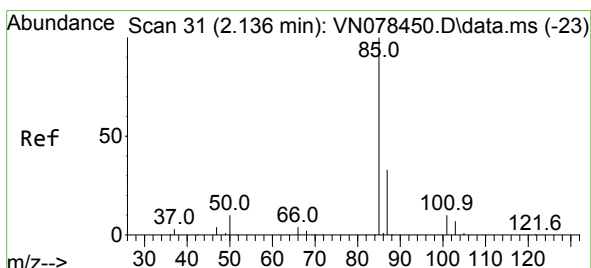
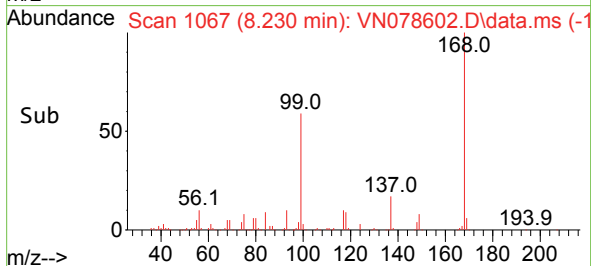
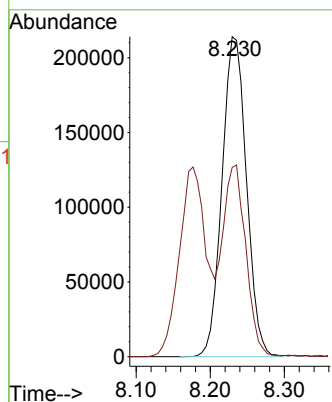
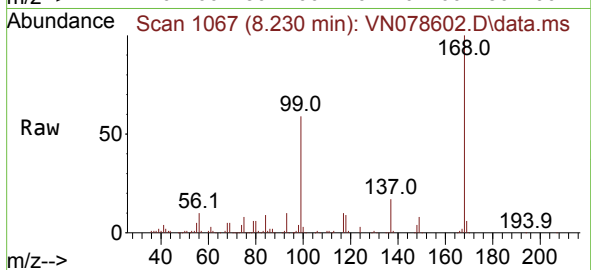
ClientSampleId :

Tgt Ion:168 Resp: 489741

Ion Ratio Lower Upper

168 100

99 58.8 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 40.746 ug/l

RT: 2.136 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN078602.D

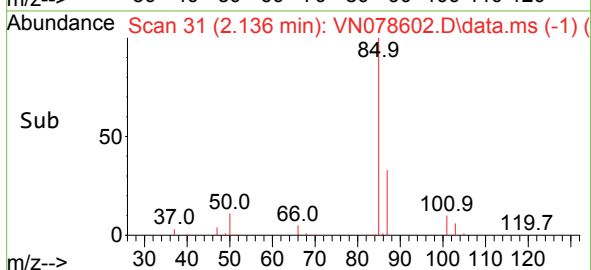
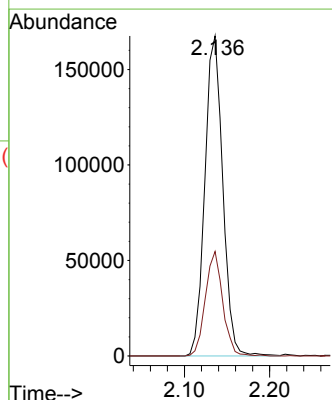
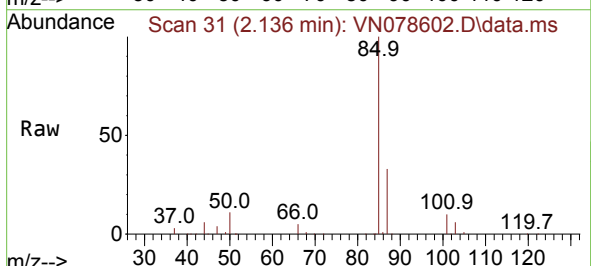
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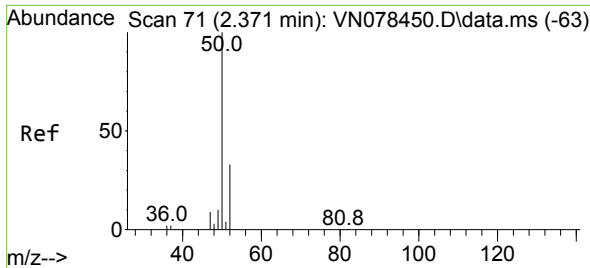
Tgt Ion: 85 Resp: 244658

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.4

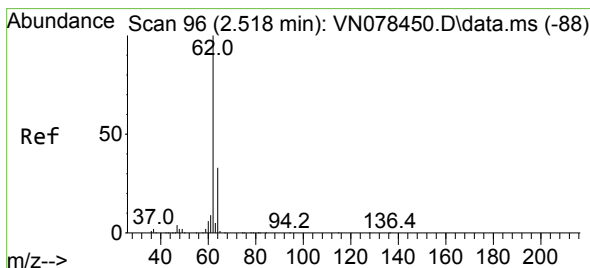
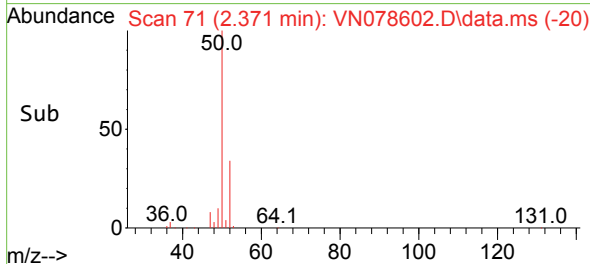
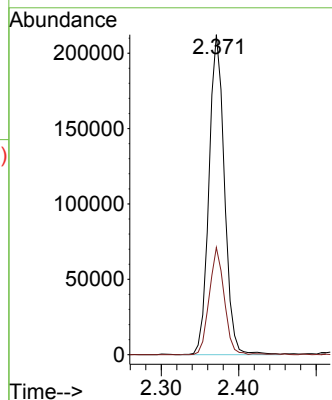
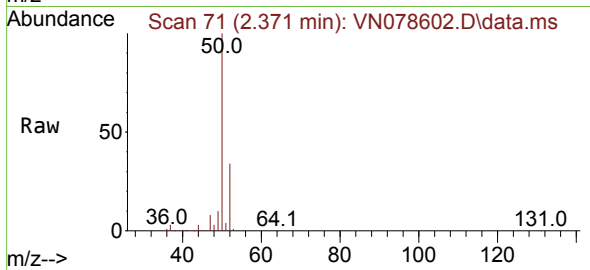




#3  
Chloromethane  
Concen: 45.083 ug/l  
RT: 2.371 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

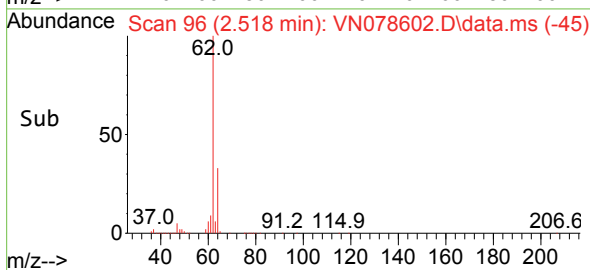
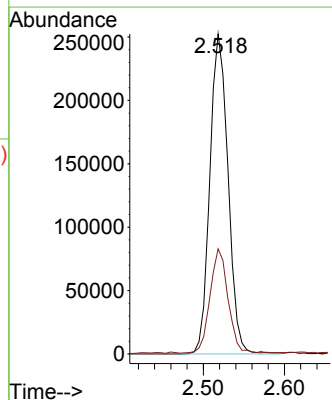
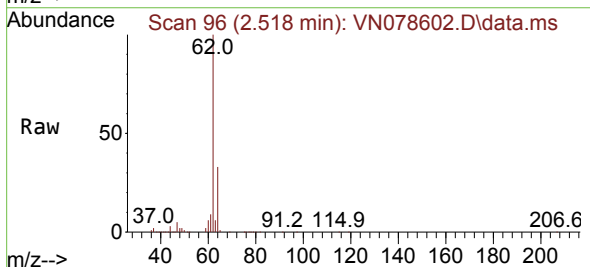
Instrument :  
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ClientSampleId :

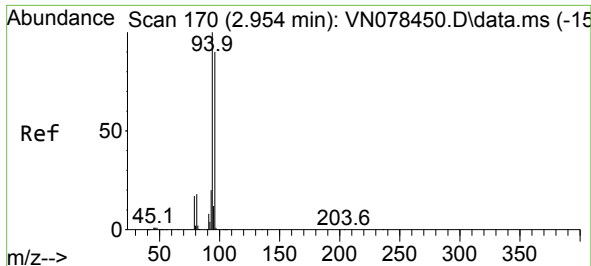
Tgt Ion: 50 Resp: 294225  
Ion Ratio Lower Upper  
50 100  
52 33.5 26.5 39.7



#4  
Vinyl Chloride  
Concen: 46.520 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 62 Resp: 392743  
Ion Ratio Lower Upper  
62 100  
64 32.6 26.2 39.2

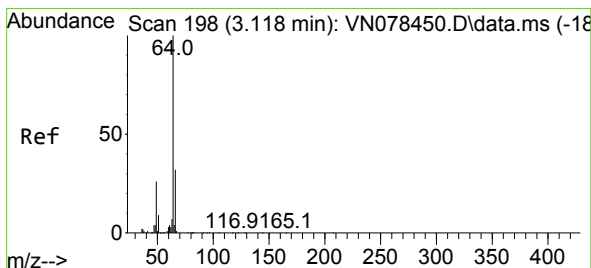
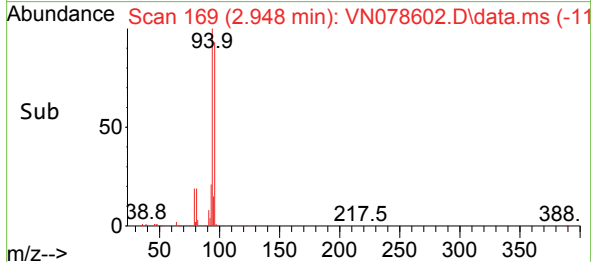
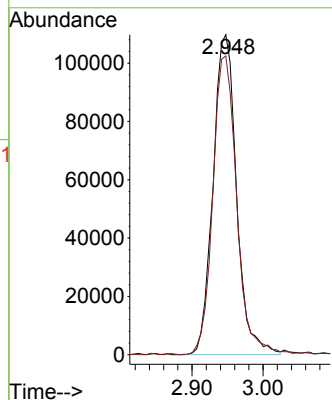
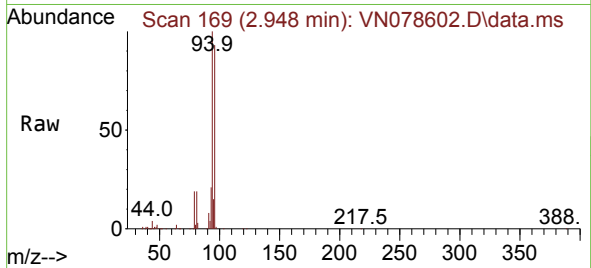




#5  
Bromomethane  
Concen: 46.803 ug/l  
RT: 2.948 min Scan# 170  
Delta R.T. -0.006 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

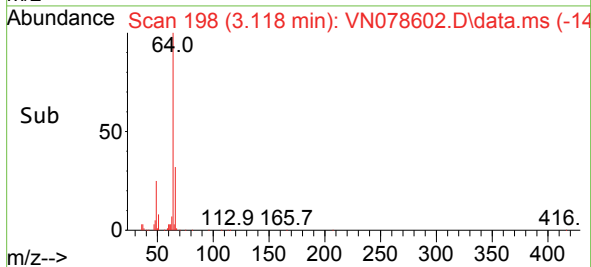
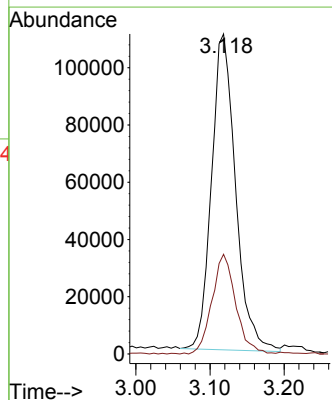
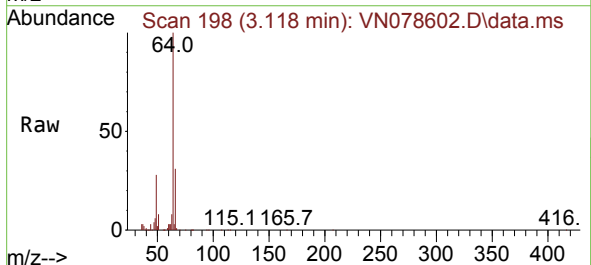
Instrument :  
MSVOA\_N  
ClientSampleId :

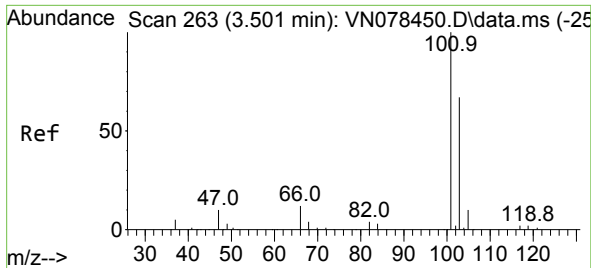
Tgt Ion: 94 Resp: 251621  
Ion Ratio Lower Upper  
94 100  
96 93.3 73.1 109.7



#6  
Chloroethane  
Concen: 48.628 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

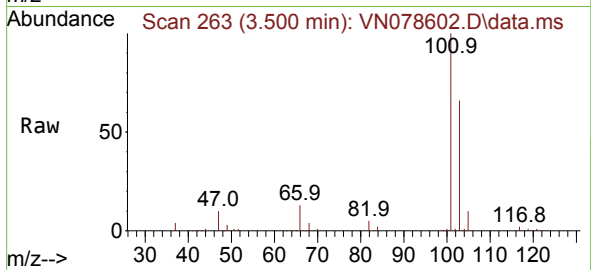
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Ion Ratio Lower Upper  
64 100  
66 31.7 25.4 38.2



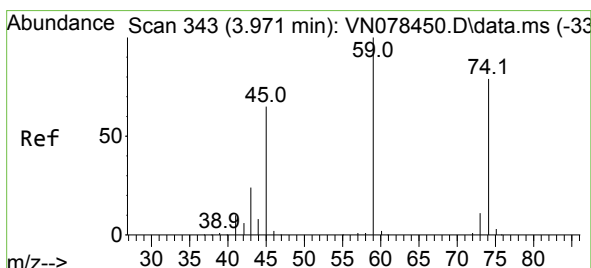
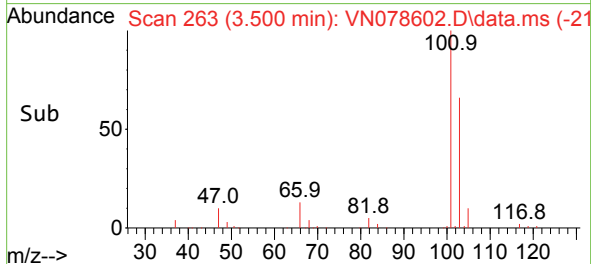
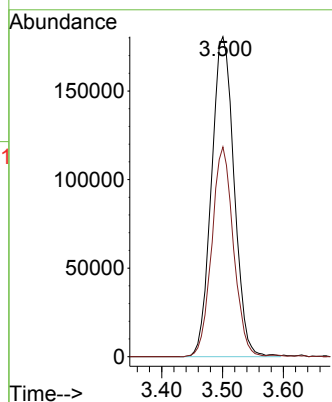


#7  
 Trichlorofluoromethane  
 Concen: 46.176 ug/l  
 RT: 3.500 min Scan# 21  
 Delta R.T. -0.001 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :

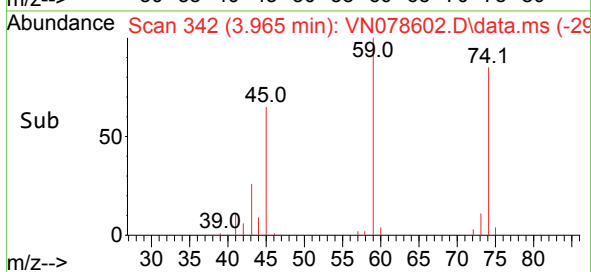
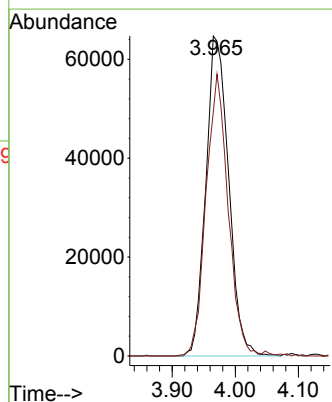
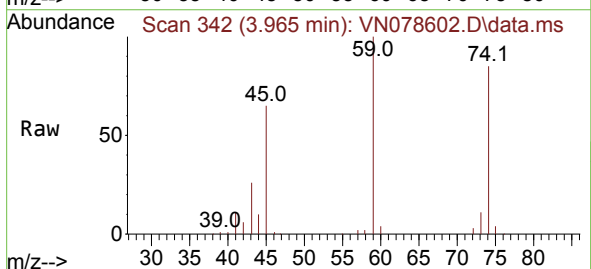


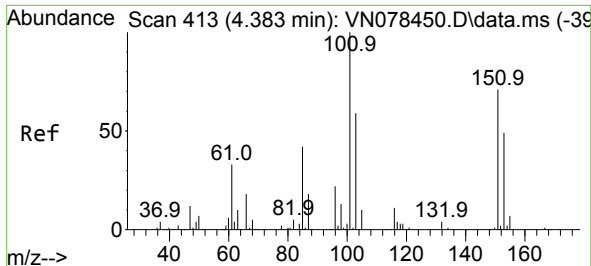
Tgt Ion:101 Resp: 466009  
 Ion Ratio Lower Upper  
 101 100  
 103 65.5 50.7 76.1



#8  
 Diethyl Ether  
 Concen: 48.334 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. -0.006 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

Tgt Ion: 74 Resp: 162517  
 Ion Ratio Lower Upper  
 74 100  
 45 85.0 34.4 103.3

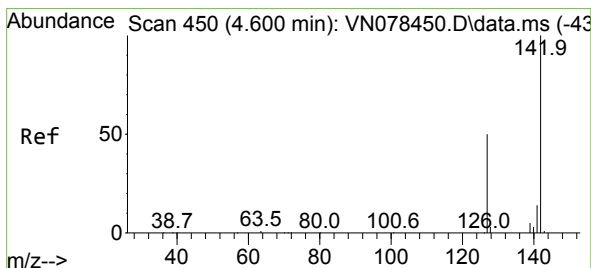
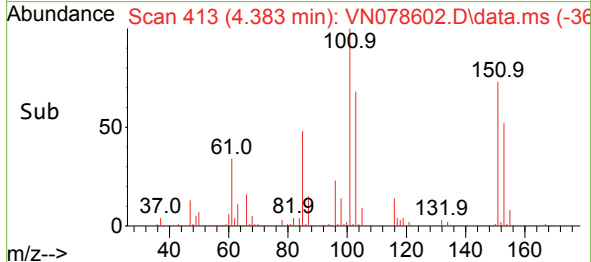
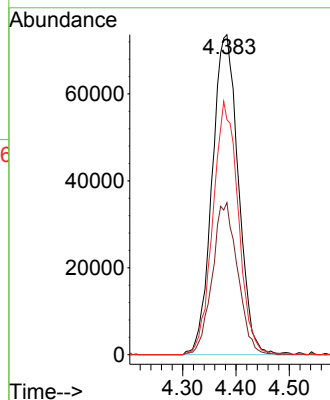
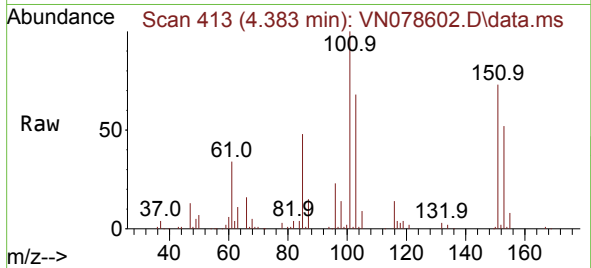




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 46.958 ug/l  
RT: 4.383 min Scan# 413  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

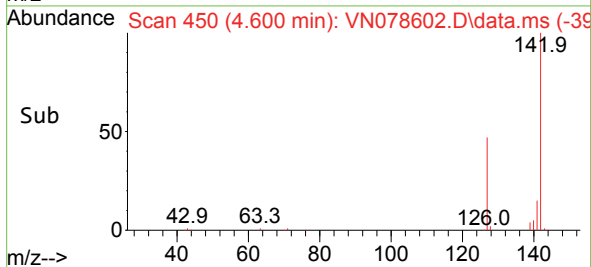
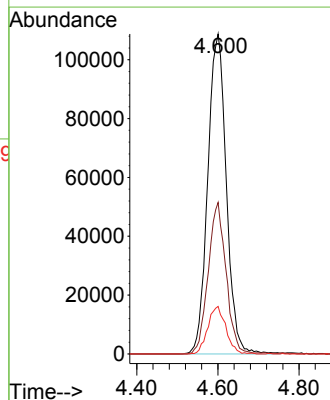
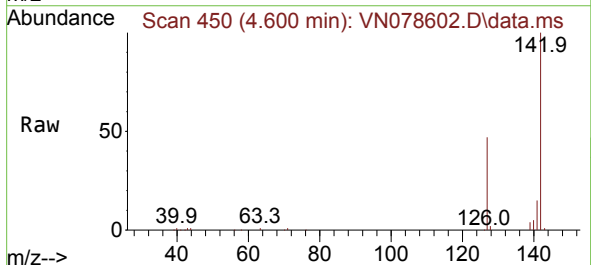
Instrument :  
MSVOA\_N  
ClientSampleId :

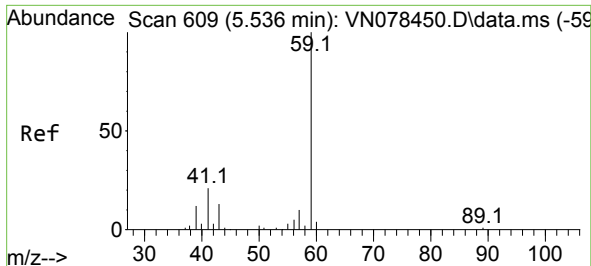
Tgt Ion:101 Resp: 250864  
Ion Ratio Lower Upper  
101 100  
85 46.1 36.6 55.0  
151 76.8 57.6 86.4



#10  
Methyl Iodide  
Concen: 47.018 ug/l  
RT: 4.600 min Scan# 450  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion:142 Resp: 345166  
Ion Ratio Lower Upper  
142 100  
127 47.3 37.6 56.4  
141 14.8 11.4 17.0

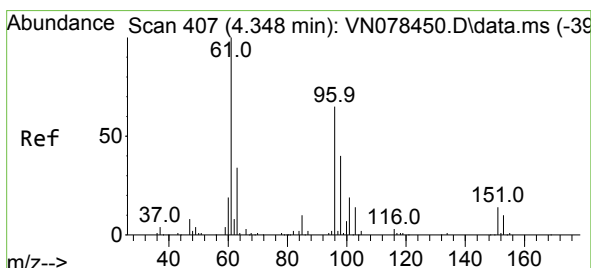
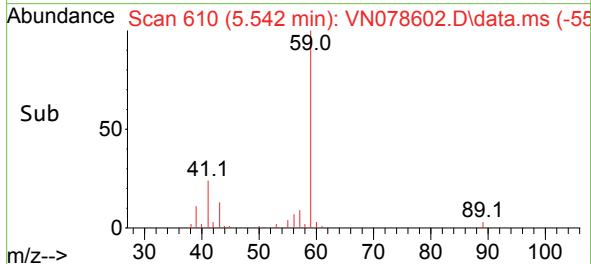
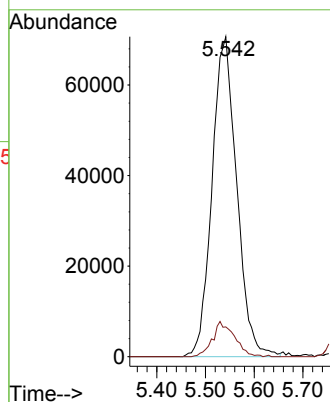
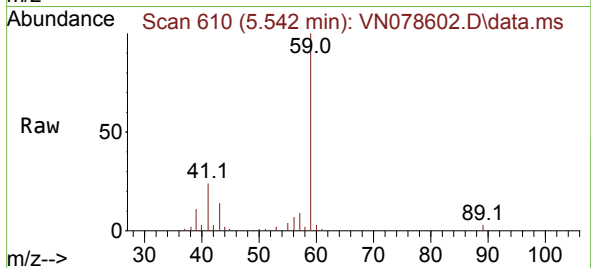




#11  
Tert butyl alcohol  
Concen: 245.741 ug/l  
RT: 5.542 min Scan# 610  
Delta R.T. 0.006 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

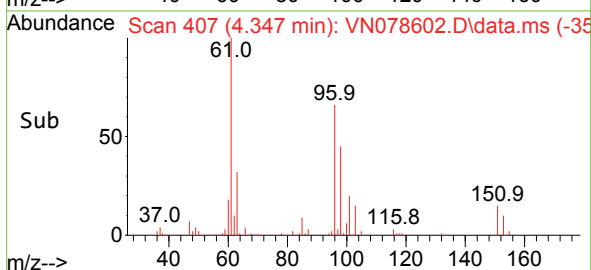
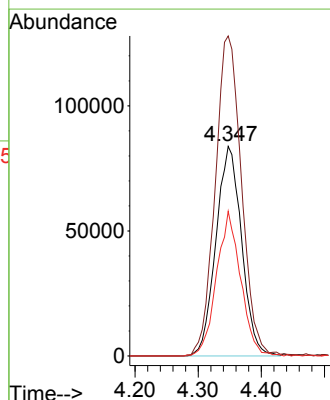
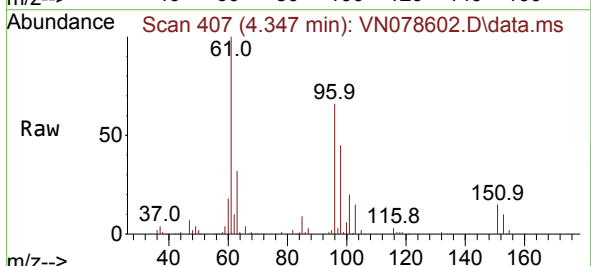
Instrument :  
MSVOA\_N  
ClientSampleId :

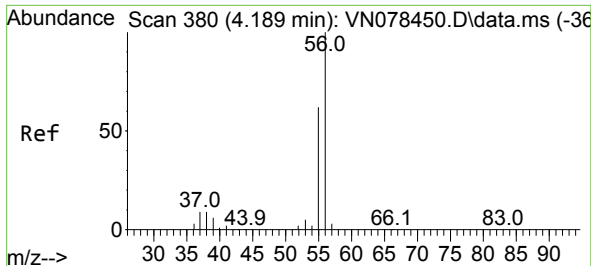
Tgt Ion: 59 Resp: 248793  
Ion Ratio Lower Upper  
59 100  
57 9.8 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 45.855 ug/l  
RT: 4.347 min Scan# 407  
Delta R.T. -0.001 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 96 Resp: 236963  
Ion Ratio Lower Upper  
96 100  
61 152.7 112.7 169.1  
98 69.0 51.2 76.8

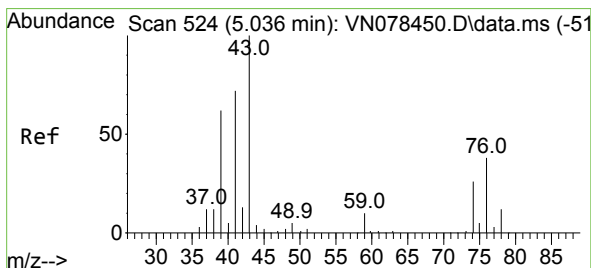
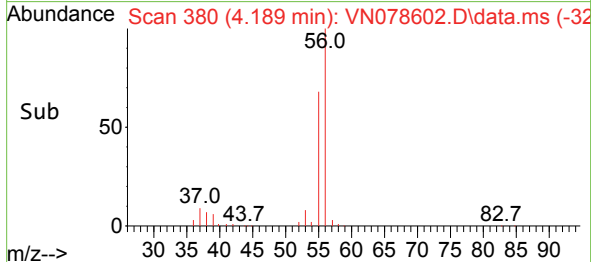
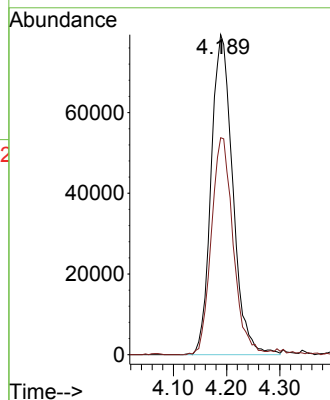
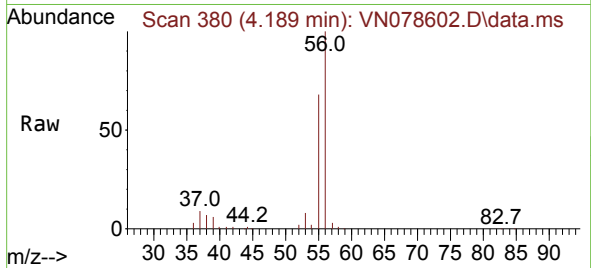




#13  
Acrolein  
Concen: 224.441 ug/l  
RT: 4.189 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

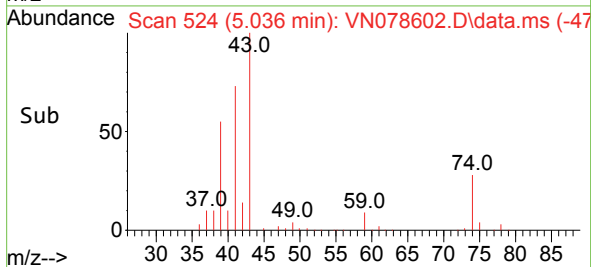
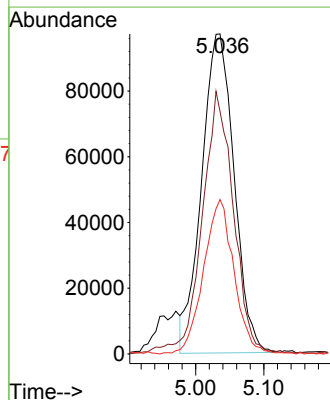
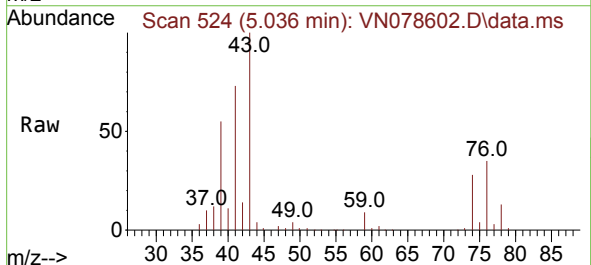
Instrument :  
MSVOA\_N  
ClientSampleId :

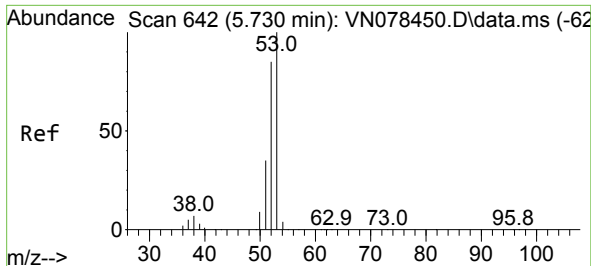
Tgt Ion: 56 Resp: 223562  
Ion Ratio Lower Upper  
56 100  
55 68.5 54.5 81.7



#14  
Allyl chloride  
Concen: 45.588 ug/l  
RT: 5.036 min Scan# 524  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

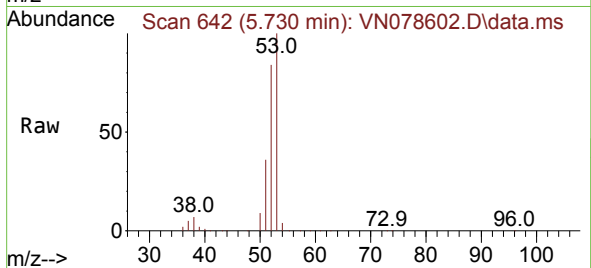
Tgt Ion: 41 Resp: 321907  
Ion Ratio Lower Upper  
41 100  
39 79.6 58.8 88.2  
76 45.5 39.1 58.7



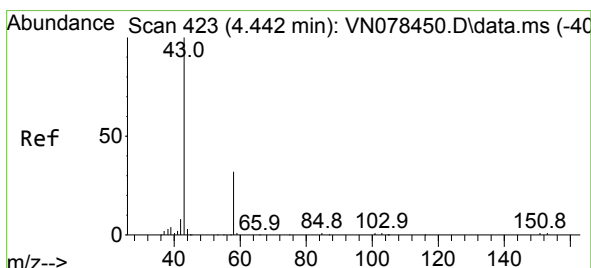
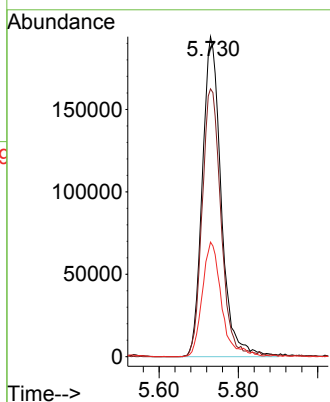
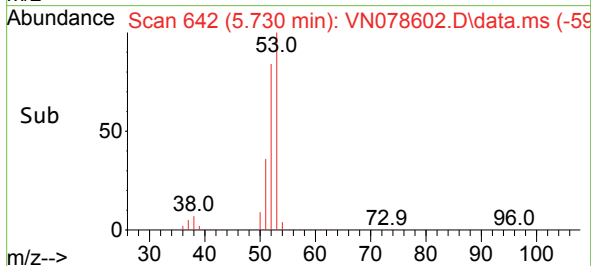


#15  
Acrylonitrile  
Concen: 250.900 ug/l  
RT: 5.730 min Scan# 642  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Instrument :  
MSVOA\_N  
ClientSampleId :

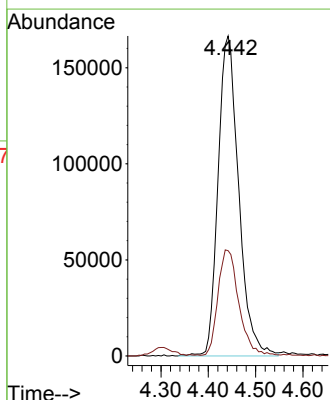
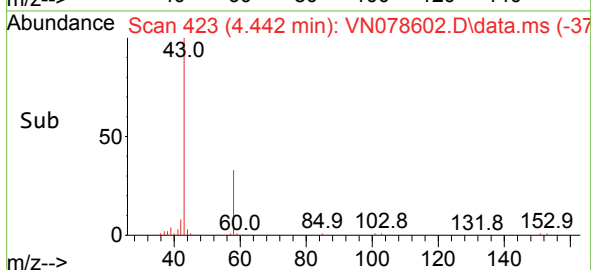
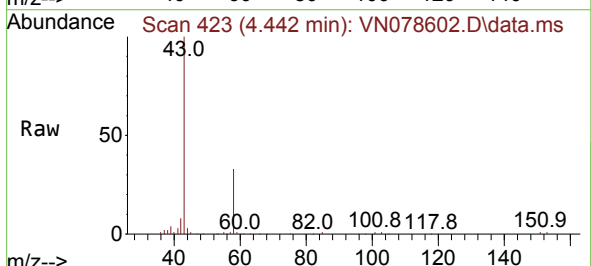


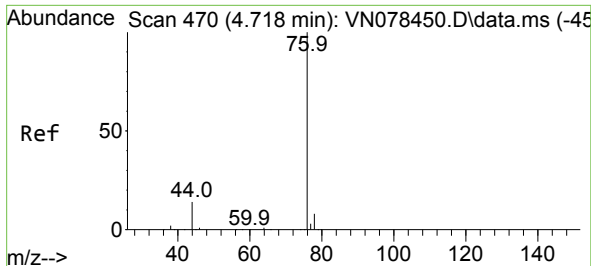
Tgt Ion: 53 Resp: 641803  
Ion Ratio Lower Upper  
53 100  
52 83.8 65.3 97.9  
51 36.6 28.9 43.3



#16  
Acetone  
Concen: 246.368 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 43 Resp: 503860  
Ion Ratio Lower Upper  
43 100  
58 32.6 28.0 42.0

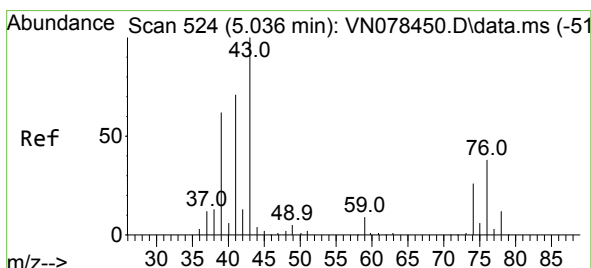
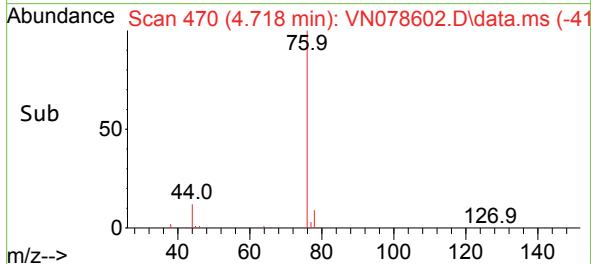
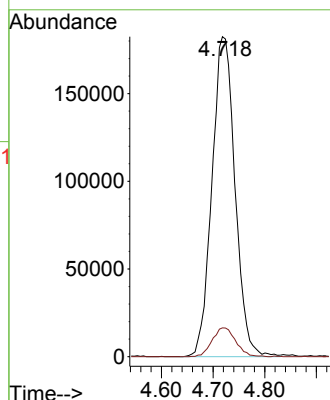
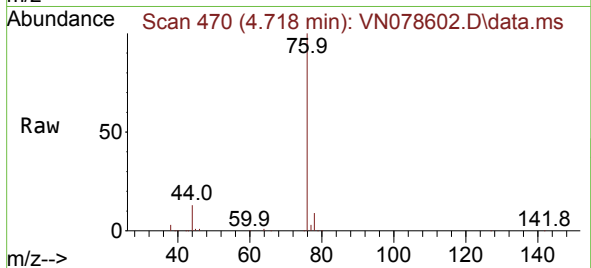




#17  
Carbon Disulfide  
Concen: 37.850 ug/l  
RT: 4.718 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

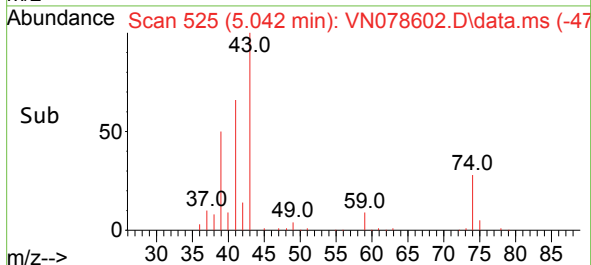
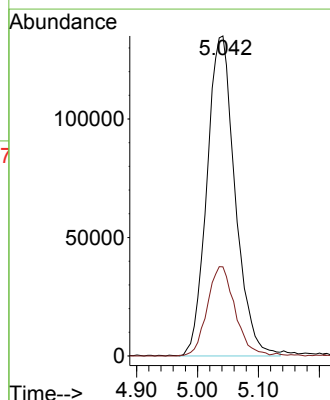
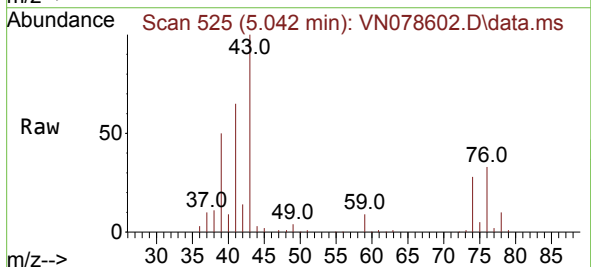
Instrument :  
MSVOA\_N  
ClientSampleId :

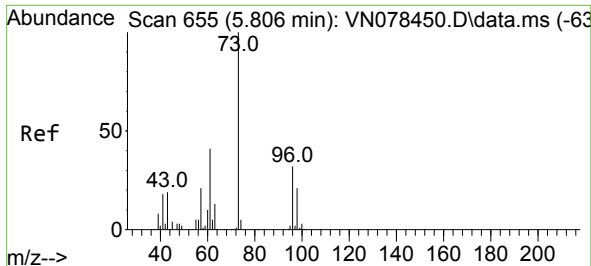
Tgt Ion: 76 Resp: 565597  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.0



#18  
Methyl Acetate  
Concen: 50.148 ug/l  
RT: 5.042 min Scan# 525  
Delta R.T. 0.006 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 43 Resp: 434158  
Ion Ratio Lower Upper  
43 100  
74 27.5 26.2 39.4

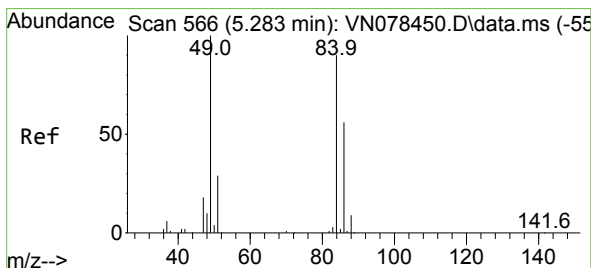
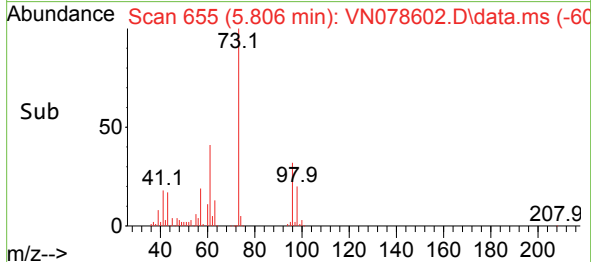
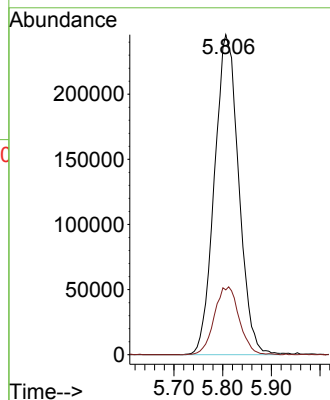
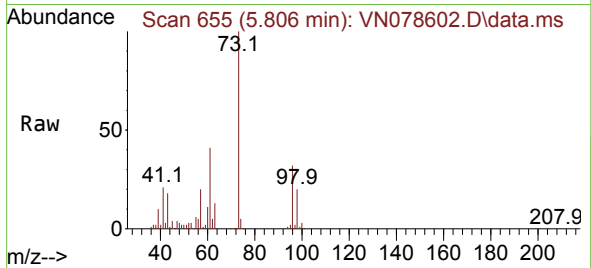




#19  
Methyl tert-butyl Ether  
Concen: 49.986 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

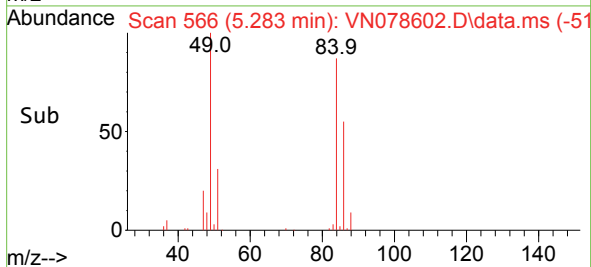
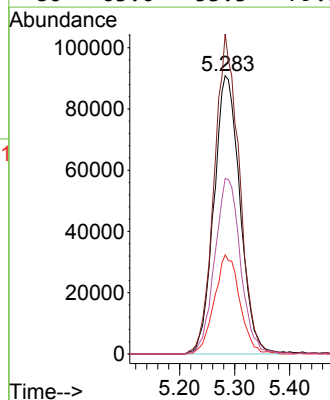
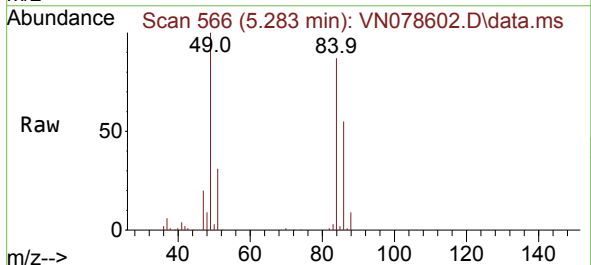
Instrument :  
MSVOA\_N  
ClientSampleId :

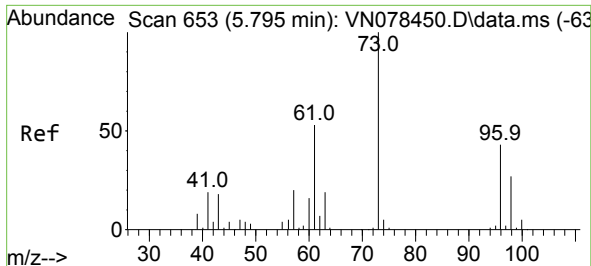
Tgt Ion: 73 Resp: 851084  
Ion Ratio Lower Upper  
73 100  
57 20.3 15.6 23.4



#20  
Methylene Chloride  
Concen: 50.973 ug/l  
RT: 5.283 min Scan# 566  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

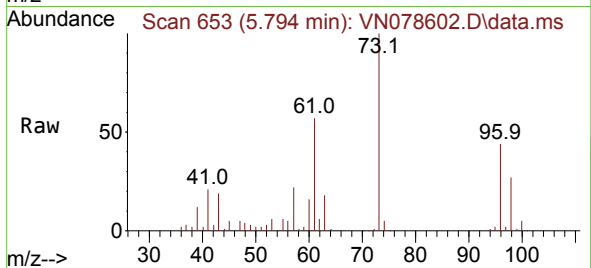
Tgt Ion: 84 Resp: 298884  
Ion Ratio Lower Upper  
84 100  
49 115.0 79.7 119.5  
51 35.6 25.2 37.8  
86 63.0 53.3 79.9



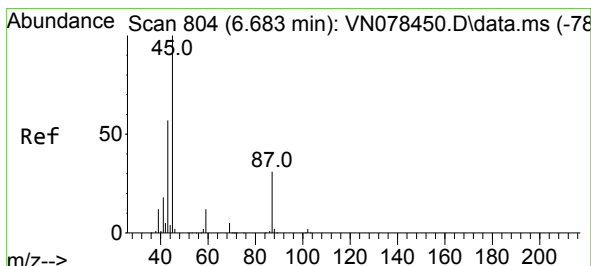
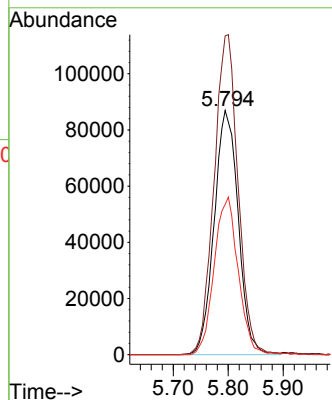
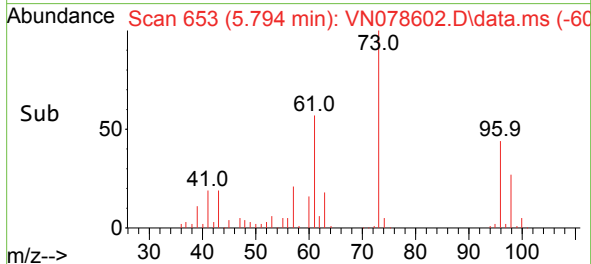


#21  
trans-1,2-Dichloroethene  
Concen: 45.468 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Instrument :  
MSVOA\_N  
ClientSampleId :

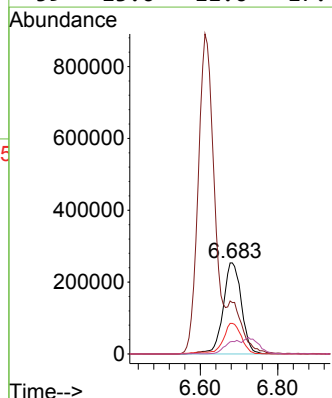
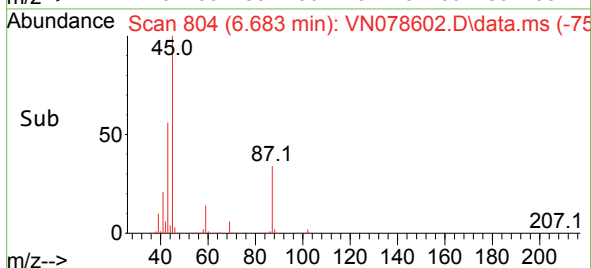
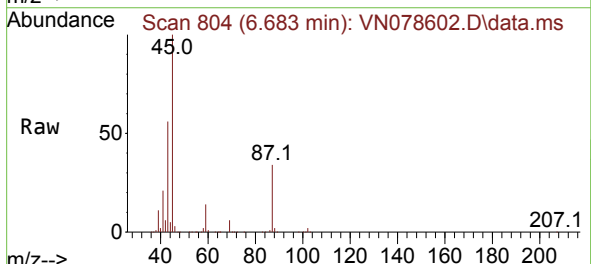


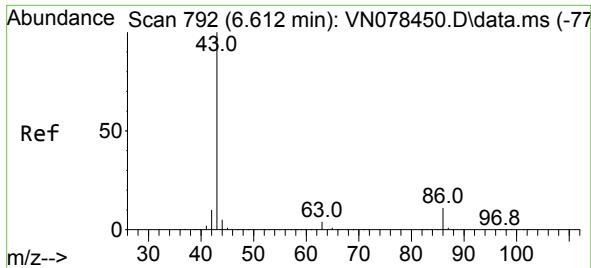
Tgt Ion: 96 Resp: 264777  
Ion Ratio Lower Upper  
96 100  
61 130.5 90.1 135.1  
98 61.5 46.4 69.6



#22  
Diisopropyl ether  
Concen: 52.584 ug/l  
RT: 6.683 min Scan# 804  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 45 Resp: 831415  
Ion Ratio Lower Upper  
45 100  
43 56.0 45.5 68.3  
87 33.4 31.8 47.8  
59 13.6 11.6 17.4

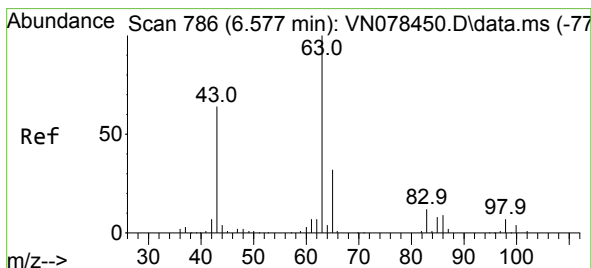
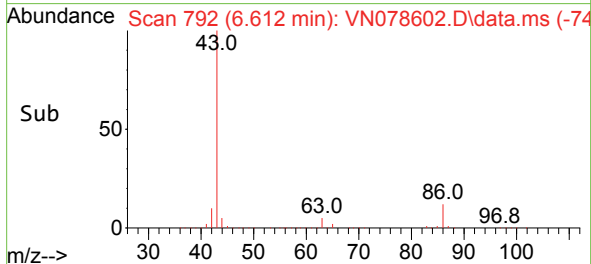
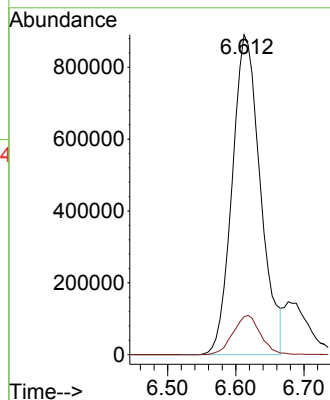
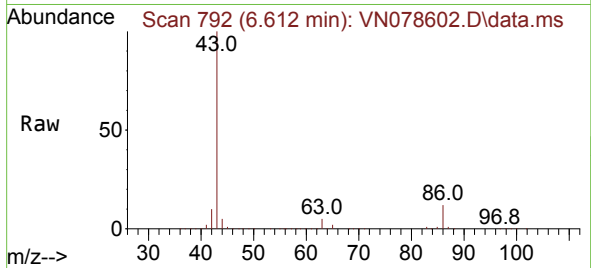




#23  
 Vinyl Acetate  
 Concen: 255.121 ug/l  
 RT: 6.612 min Scan# 792  
 Delta R.T. 0.000 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

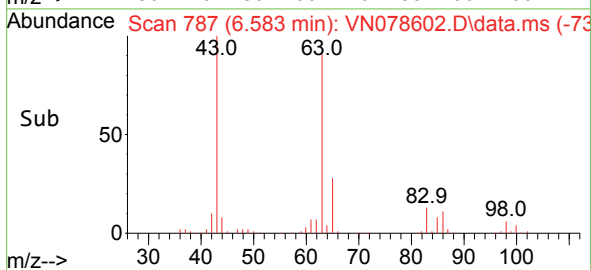
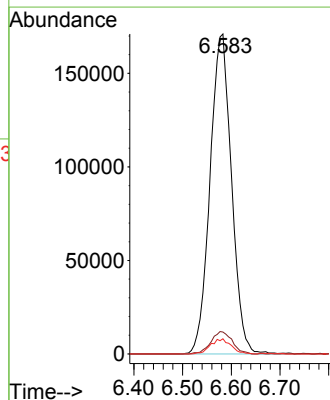
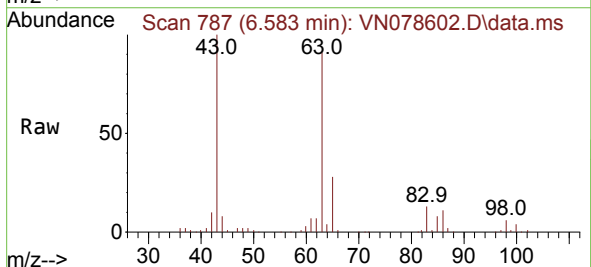
Instrument :  
 MSVOA\_N  
 ClientSampleId :

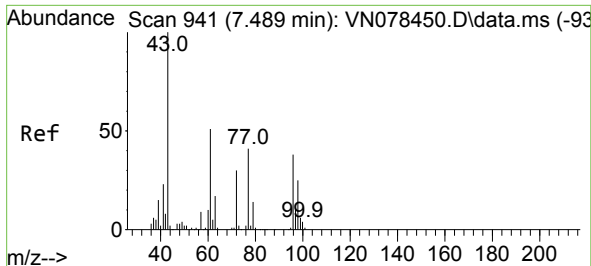
Tgt Ion: 43 Resp: 2564428  
 Ion Ratio Lower Upper  
 43 100  
 86 11.9 13.0 19.6#



#24  
 1,1-Dichloroethane  
 Concen: 49.157 ug/l  
 RT: 6.583 min Scan# 787  
 Delta R.T. 0.006 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

Tgt Ion: 63 Resp: 523731  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.9 11.7  
 100 4.8 2.5 7.4

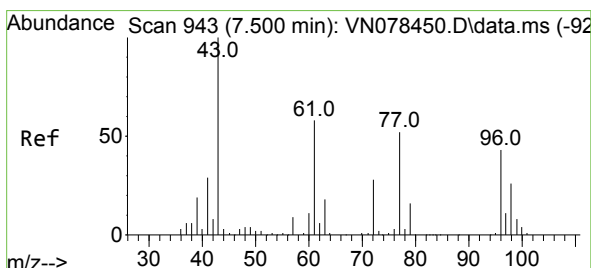
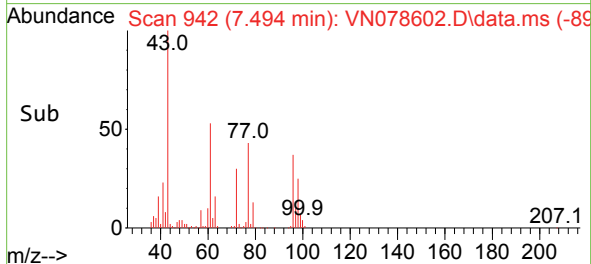
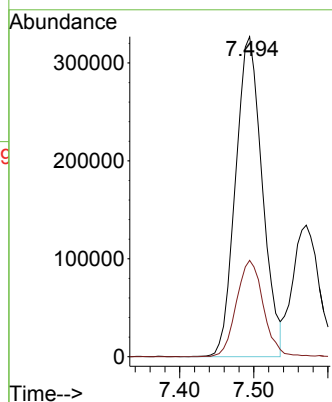
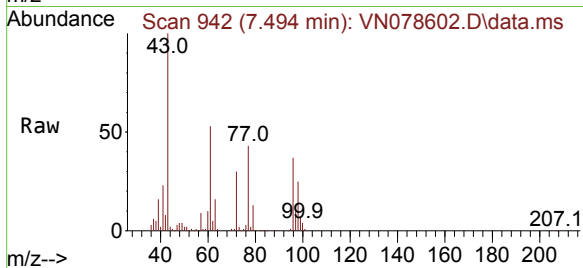




#25  
2-Butanone  
Concen: 254.404 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.005 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

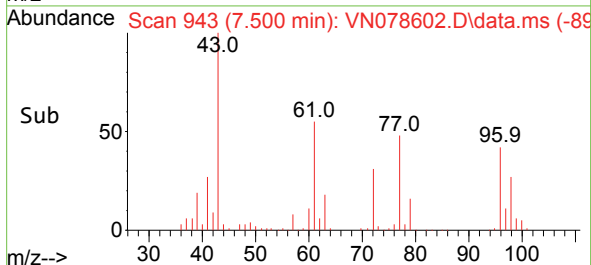
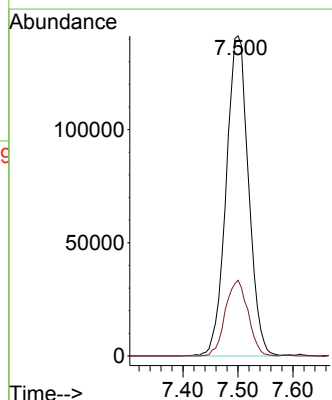
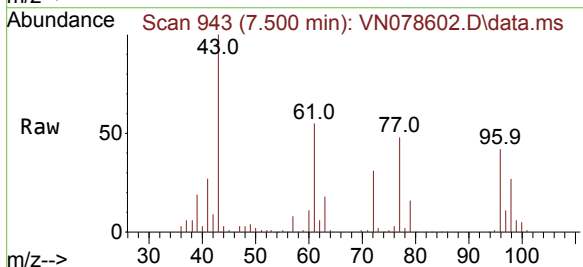
Instrument :  
MSVOA\_N  
ClientSampleId :

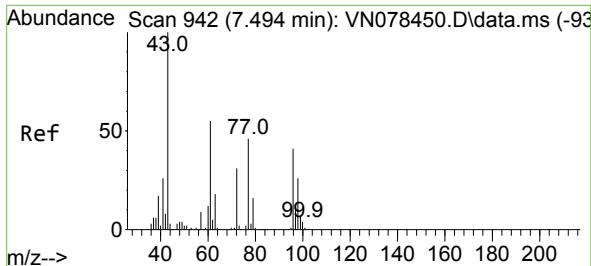
Tgt Ion: 43 Resp: 819014  
Ion Ratio Lower Upper  
43 100  
72 30.1 30.2 45.2#



#26  
2,2-Dichloropropane  
Concen: 45.848 ug/l  
RT: 7.500 min Scan# 943  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 77 Resp: 399515  
Ion Ratio Lower Upper  
77 100  
97 24.0 11.2 33.6

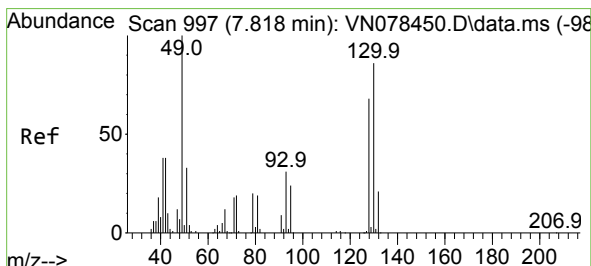
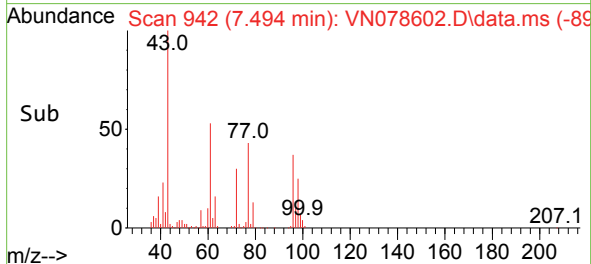
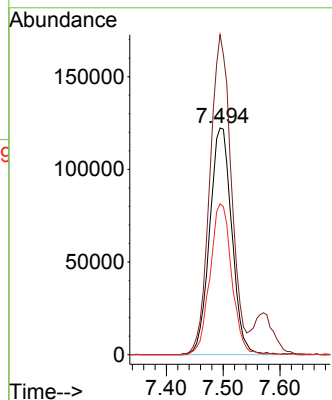
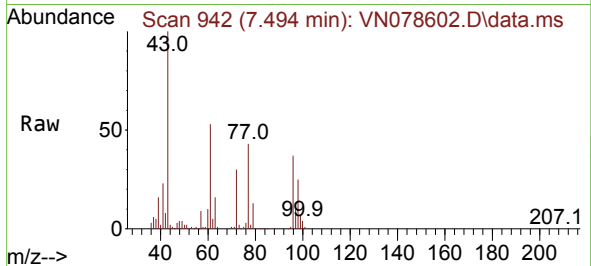




#27  
 cis-1,2-Dichloroethene  
 Concen: 49.084 ug/l  
 RT: 7.494 min Scan# 94  
 Delta R.T. 0.000 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

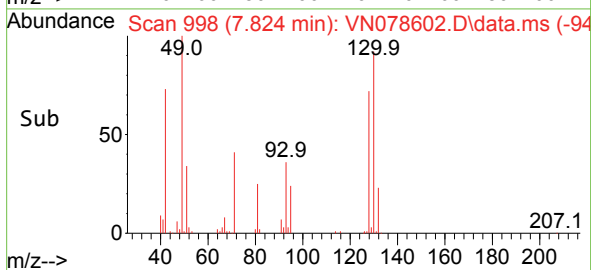
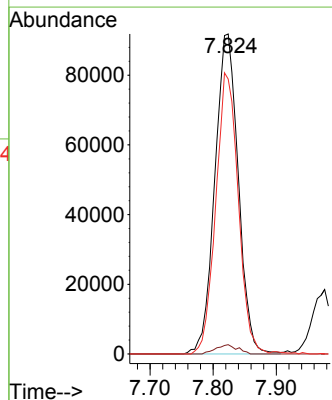
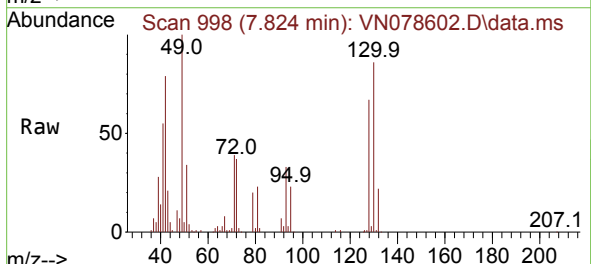
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion: 96 Resp: 330662  
 Ion Ratio Lower Upper  
 96 100  
 61 136.7 0.0 255.2  
 98 65.1 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 47.161 ug/l  
 RT: 7.824 min Scan# 998  
 Delta R.T. 0.006 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

Tgt Ion: 49 Resp: 236663  
 Ion Ratio Lower Upper  
 49 100  
 129 2.7 0.0 4.8  
 130 84.2 75.3 112.9





#29

Tetrahydrofuran

Concen: 252.987 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

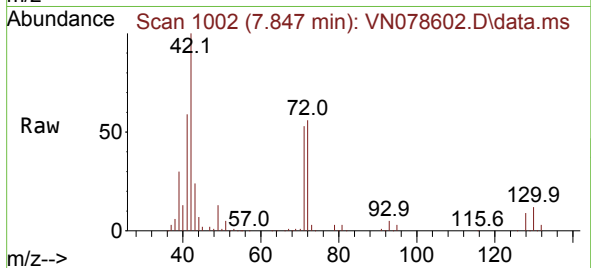
Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

ClientSampleId :



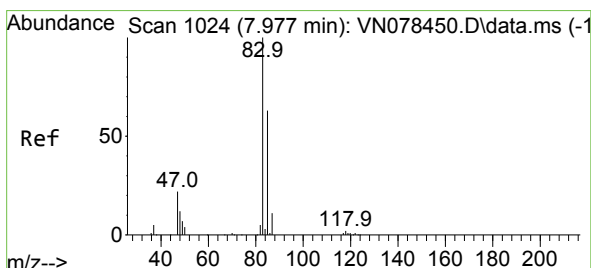
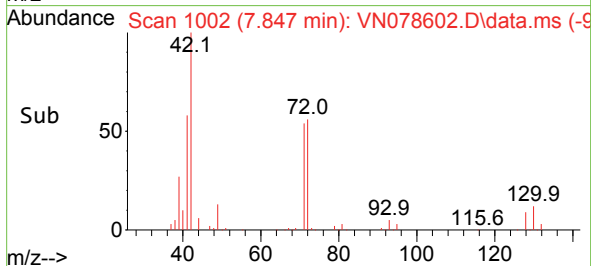
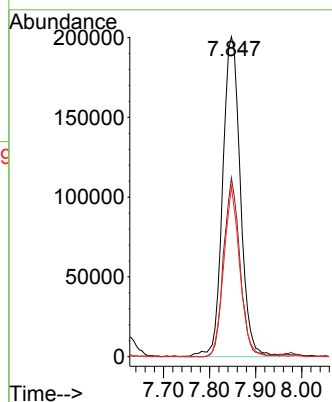
Tgt Ion: 42 Resp: 534418

Ion Ratio Lower Upper

42 100

72 51.0 49.8 74.6

71 48.2 47.4 71.2



#30

Chloroform

Concen: 51.737 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.006 min

Lab File: VN078602.D

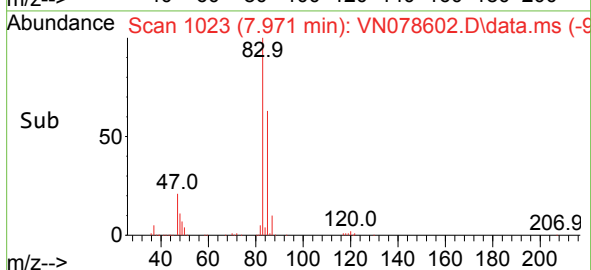
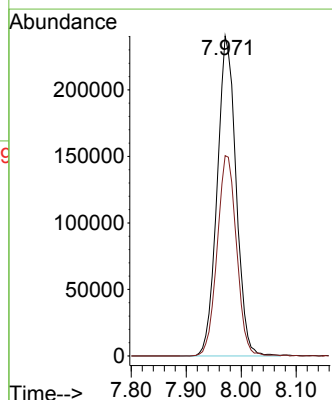
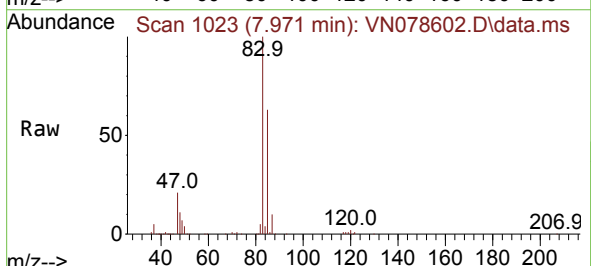
Acq: 20 Jul 2023 18:46

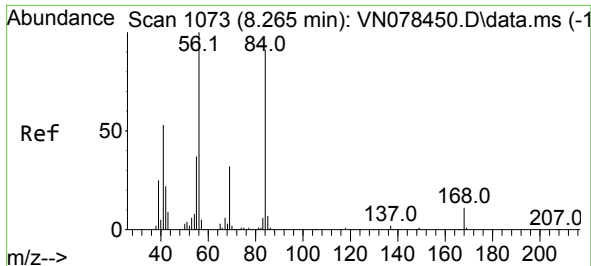
Tgt Ion: 83 Resp: 573869

Ion Ratio Lower Upper

83 100

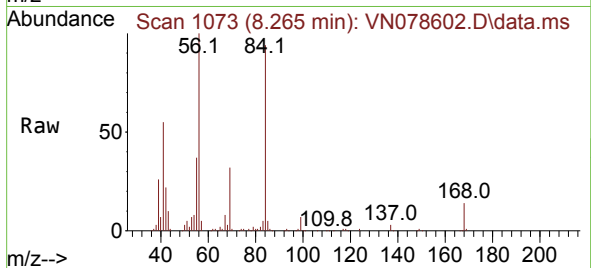
85 62.6 55.4 83.0



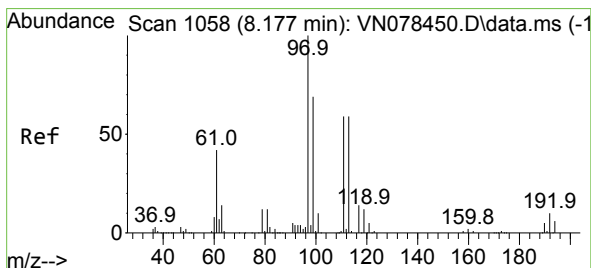
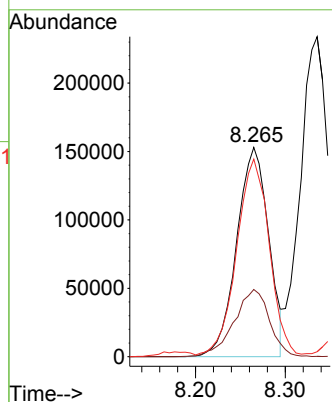
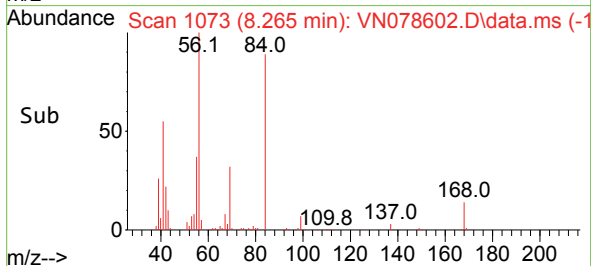


#31  
Cyclohexane  
Concen: 42.634 ug/l  
RT: 8.265 min Scan# 1073  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Instrument :  
MSVOA\_N  
ClientSampleId :

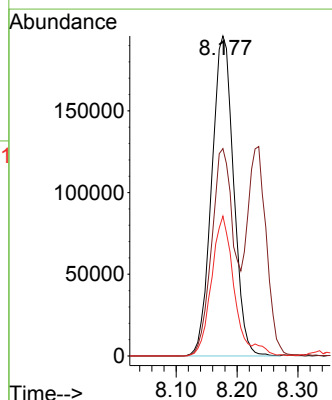
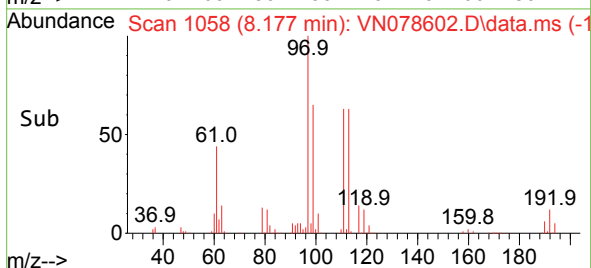
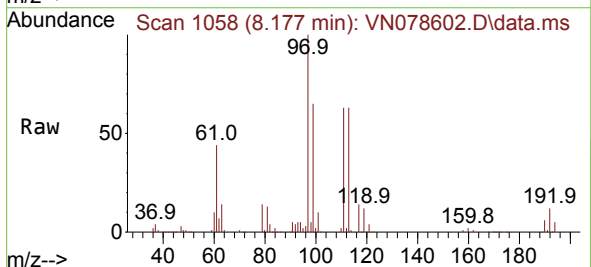


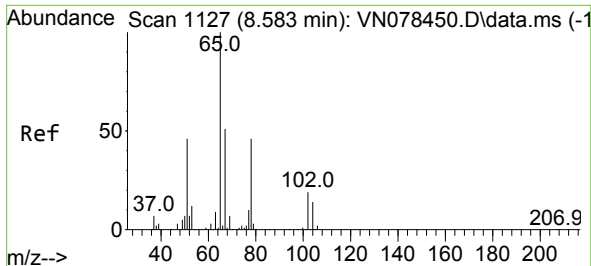
Tgt Ion: 56 Resp: 378287  
Ion Ratio Lower Upper  
56 100  
69 32.0 26.8 40.2  
84 92.3 81.8 122.6



#32  
1,1,1-Trichloroethane  
Concen: 49.186 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 97 Resp: 489144  
Ion Ratio Lower Upper  
97 100  
99 66.1 50.3 75.5  
61 45.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 50.571 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

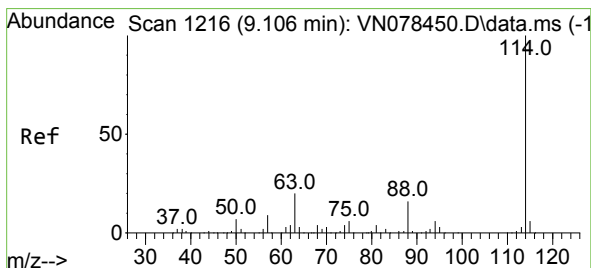
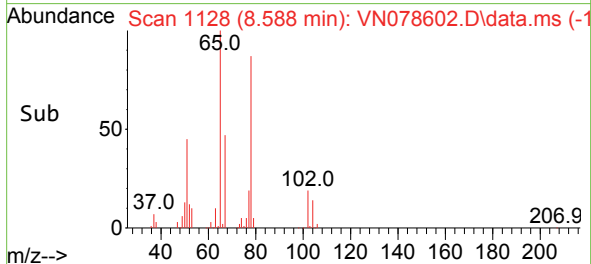
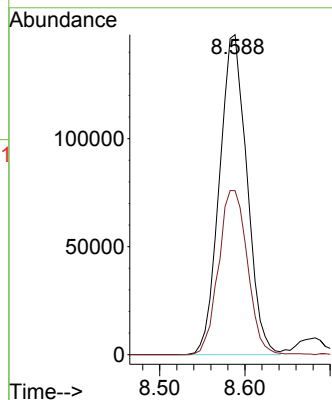
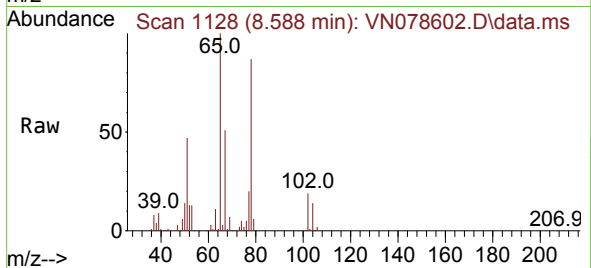
ClientSampleId :

Tgt Ion: 65 Resp: 332024

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

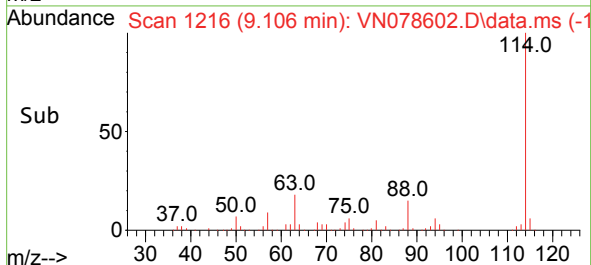
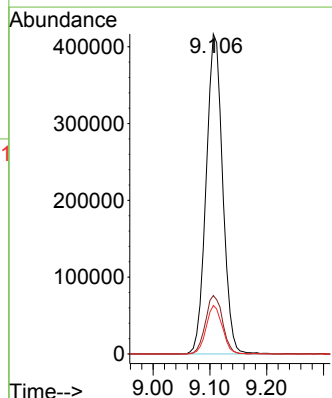
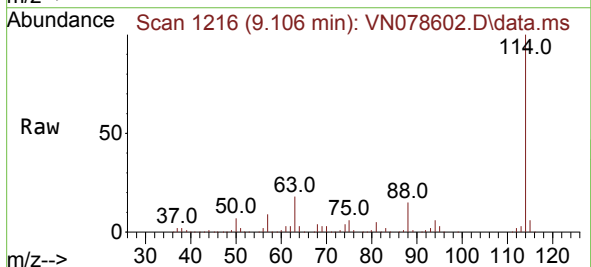
Tgt Ion: 114 Resp: 838169

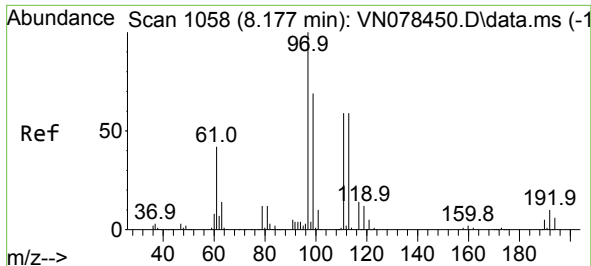
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.4

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.471 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

ClientSampleId :

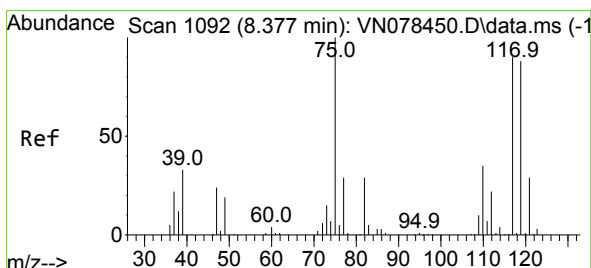
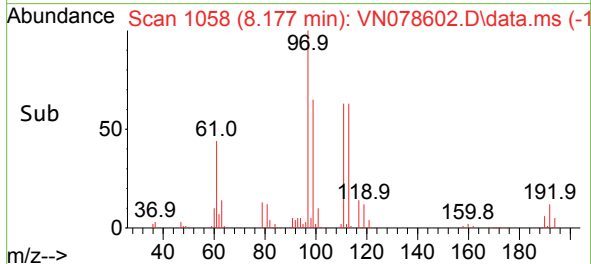
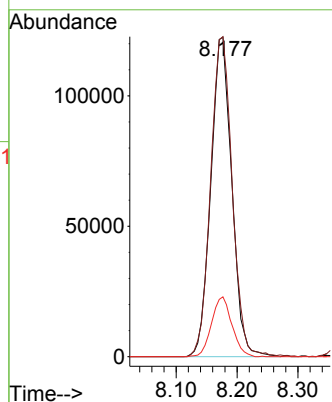
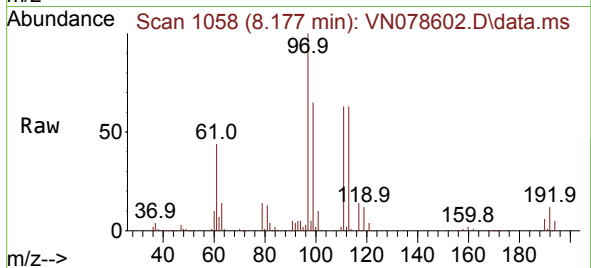
Tgt Ion:113 Resp: 292858

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 18.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 47.620 ug/l

RT: 8.383 min Scan# 1093

Delta R.T. 0.006 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

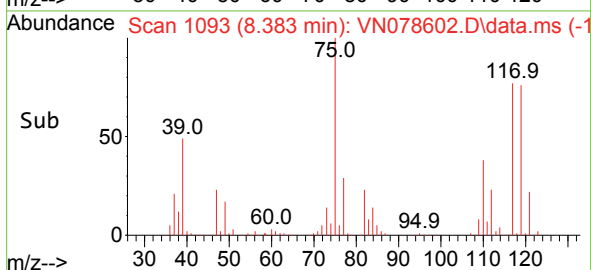
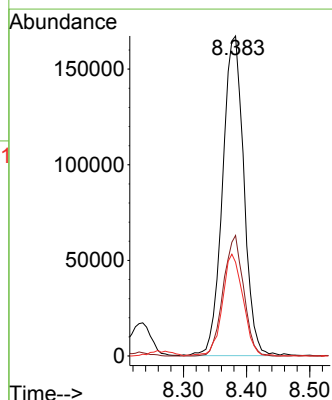
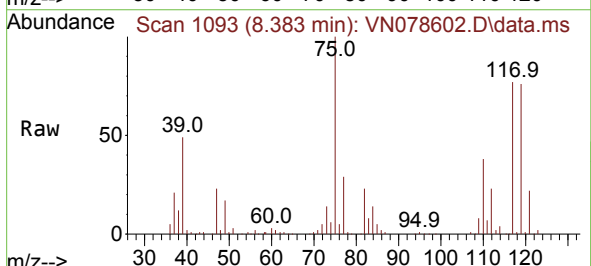
Tgt Ion: 75 Resp: 391224

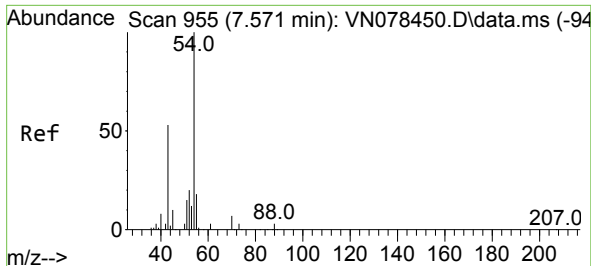
Ion Ratio Lower Upper

75 100

110 36.1 19.1 57.3

77 31.1 25.0 37.4

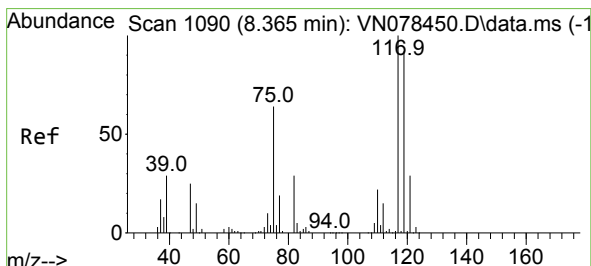
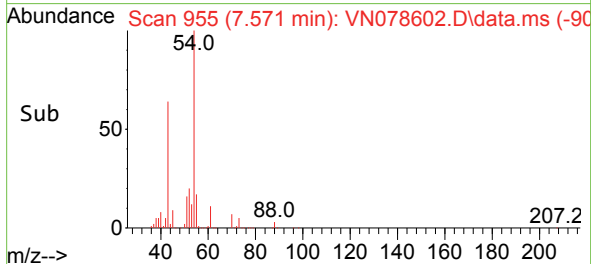
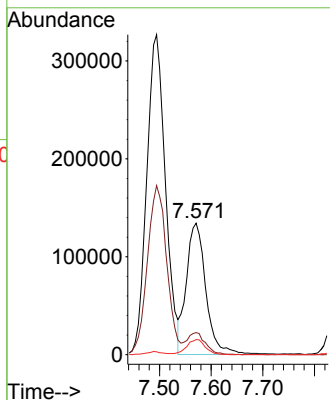
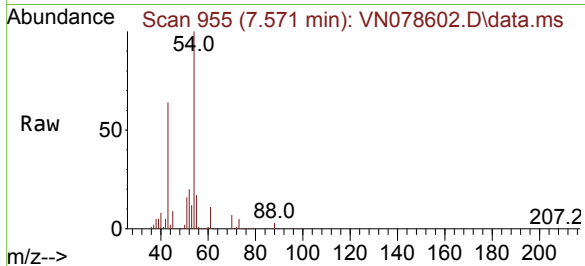




#37  
Ethyl Acetate  
Concen: 51.526 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

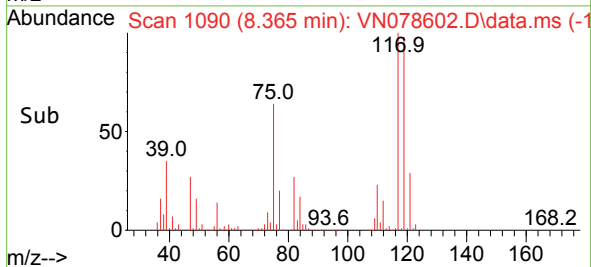
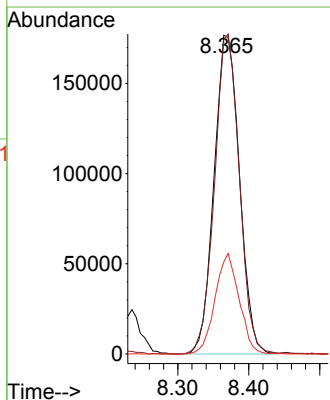
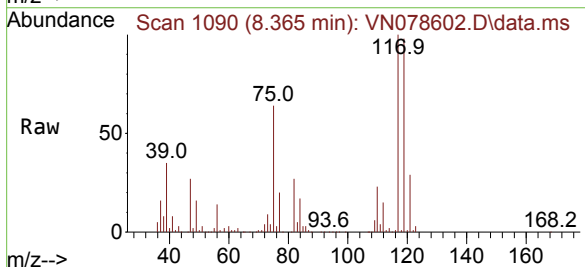
Instrument :  
MSVOA\_N  
ClientSampleId :

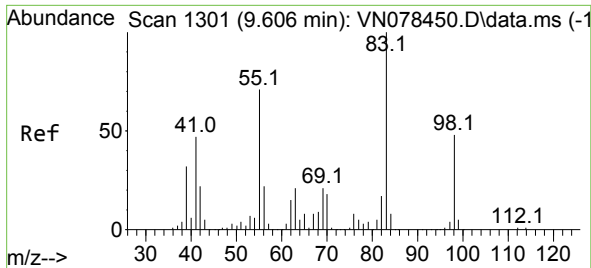
Tgt Ion: 43 Resp: 352877  
Ion Ratio Lower Upper  
43 100  
61 15.1 13.2 19.8  
70 11.0 11.3 16.9#



#38  
Carbon Tetrachloride  
Concen: 49.153 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

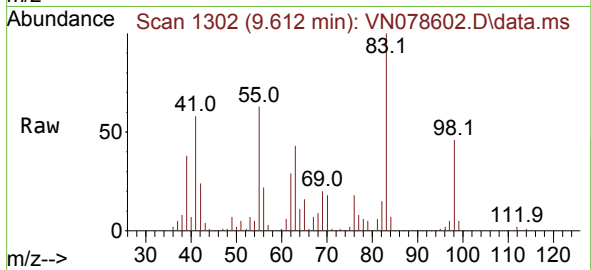
Tgt Ion: 117 Resp: 438882  
Ion Ratio Lower Upper  
117 100  
119 98.5 77.3 115.9  
121 28.8 23.3 34.9



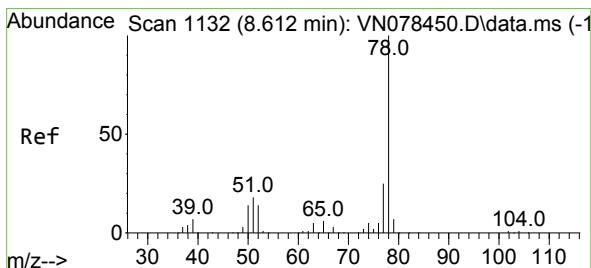
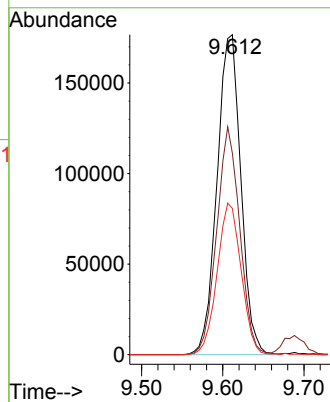
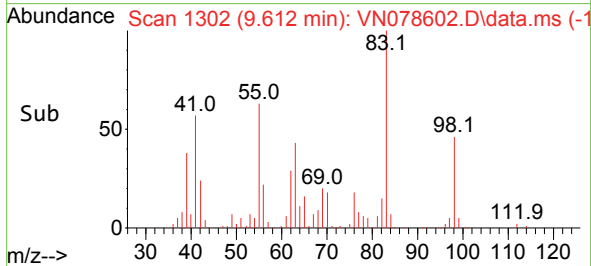


#39  
Methylcyclohexane  
Concen: 48.231 ug/l  
RT: 9.612 min Scan# 11302  
Delta R.T. 0.006 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Instrument :  
MSVOA\_N  
ClientSampleId :

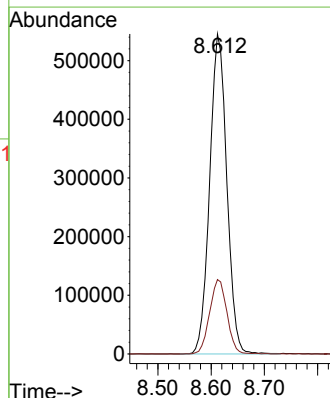
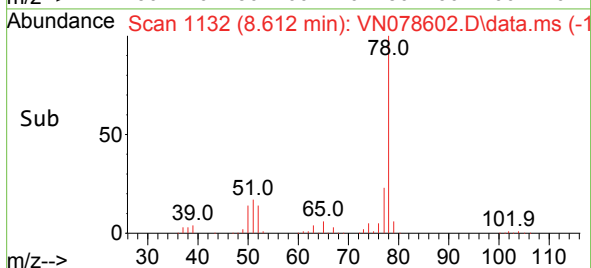
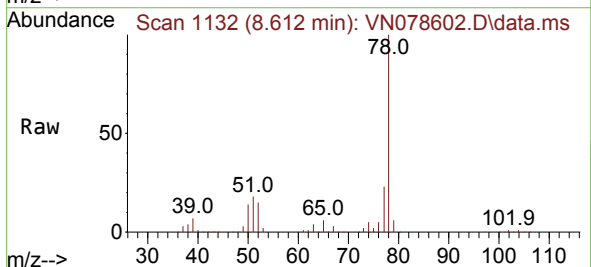


Tgt Ion: 83 Resp: 361683  
Ion Ratio Lower Upper  
83 100  
55 63.0 49.1 73.7  
98 45.7 40.6 61.0



#40  
Benzene  
Concen: 50.031 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 78 Resp: 1217698  
Ion Ratio Lower Upper  
78 100  
77 23.3 19.0 28.6

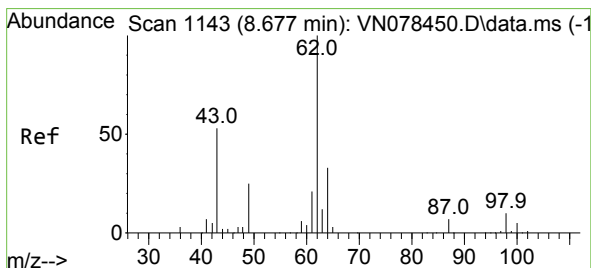
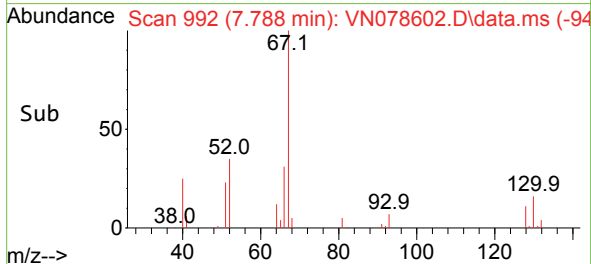
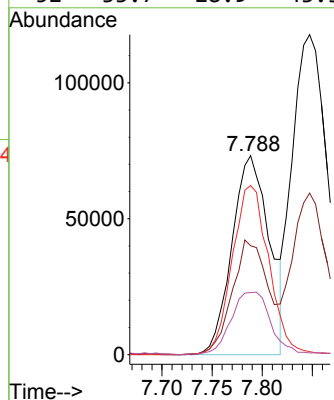
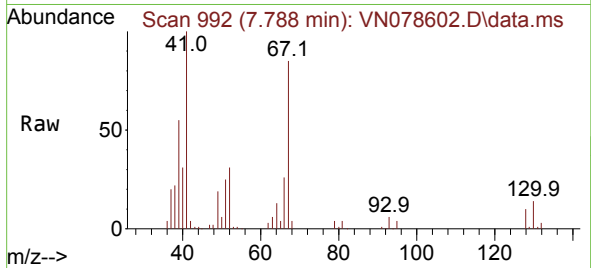




#41  
Methacrylonitrile  
Concen: 54.551 ug/l  
RT: 7.788 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

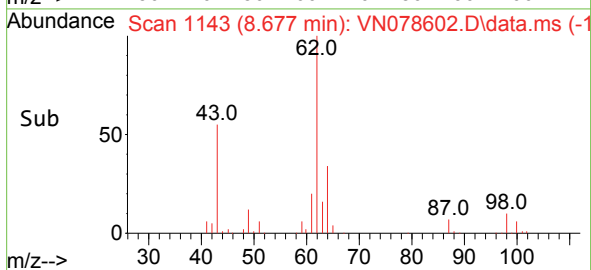
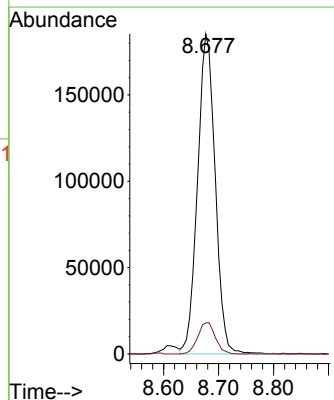
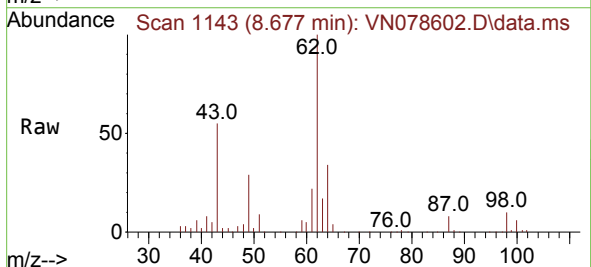
Instrument :  
MSVOA\_N  
ClientSampleId :

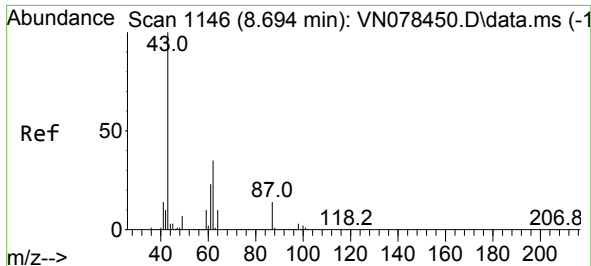
| Tgt Ion: 41 | Resp: 190455 |       |       |
|-------------|--------------|-------|-------|
| Ion         | Ratio        | Lower | Upper |
| 41          | 100          |       |       |
| 39          | 52.9         | 42.6  | 64.0  |
| 67          | 83.4         | 77.5  | 116.3 |
| 52          | 33.7         | 28.9  | 43.3  |



#42  
1,2-Dichloroethane  
Concen: 49.986 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 413814 |
| Ion Ratio   | Lower Upper  |
| 62 100      |              |
| 98 9.7      | 0.0 19.8     |

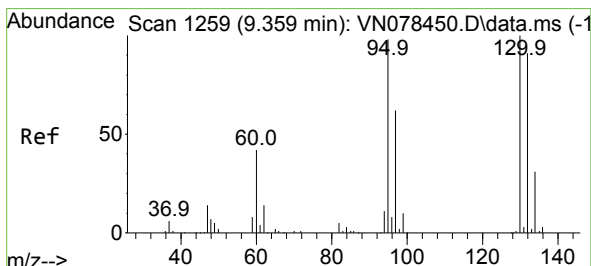
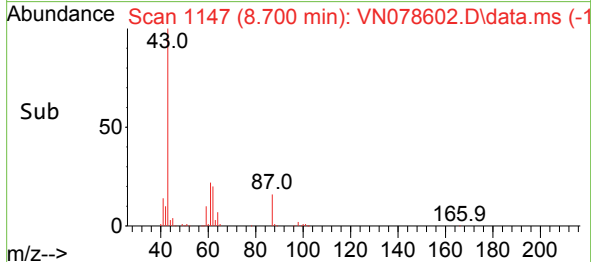
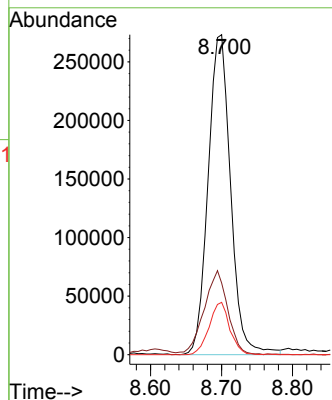
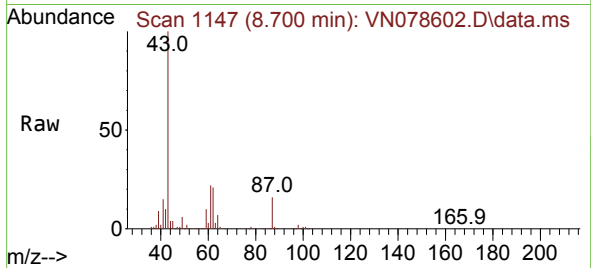




#43  
Isopropyl Acetate  
Concen: 53.409 ug/l  
RT: 8.700 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

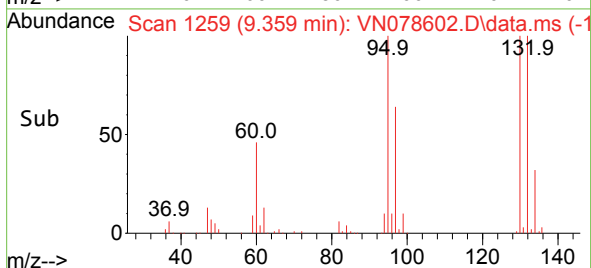
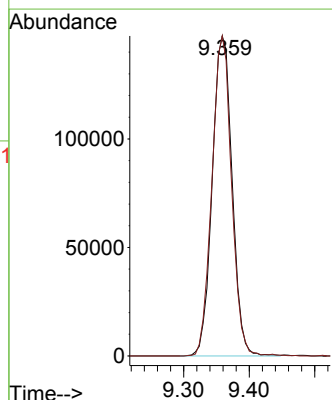
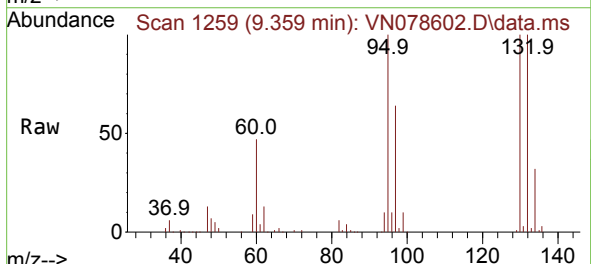
Instrument :  
MSVOA\_N  
ClientSampleId :

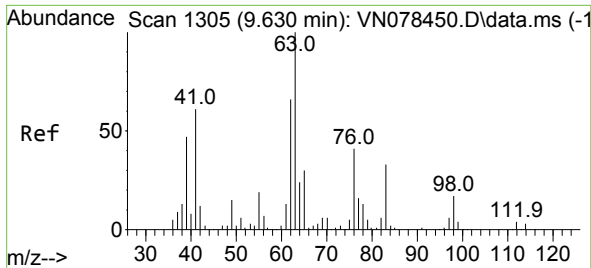
Tgt Ion: 43 Resp: 602201  
Ion Ratio Lower Upper  
43 100  
61 27.7 24.7 37.1  
87 15.0 14.6 21.8



#44  
Trichloroethene  
Concen: 47.206 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion:130 Resp: 309664  
Ion Ratio Lower Upper  
130 100  
95 100.0 0.0 204.6

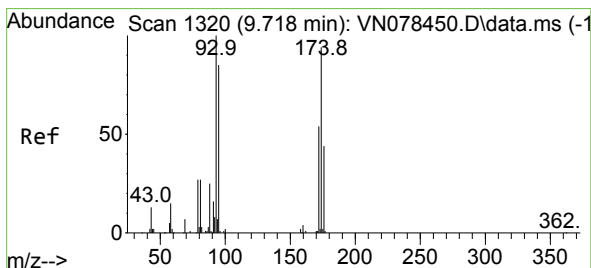
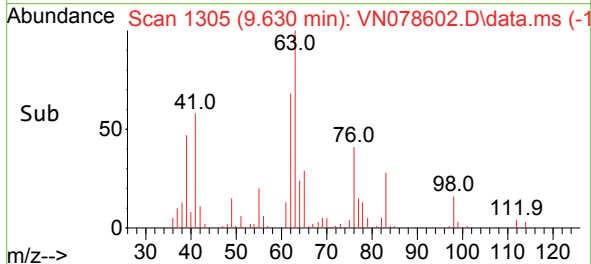
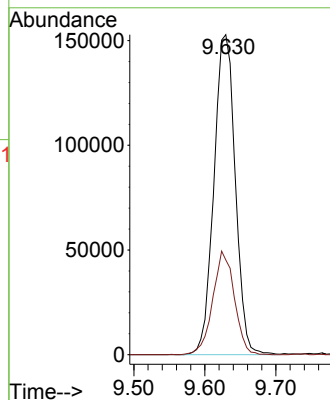
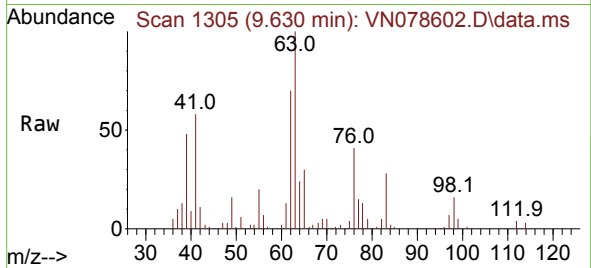




#45  
1,2-Dichloropropane  
Concen: 51.765 ug/l  
RT: 9.630 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

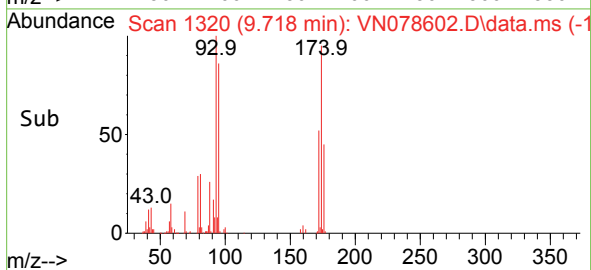
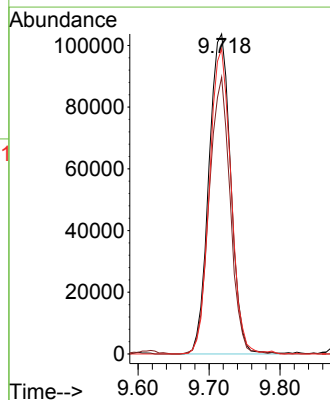
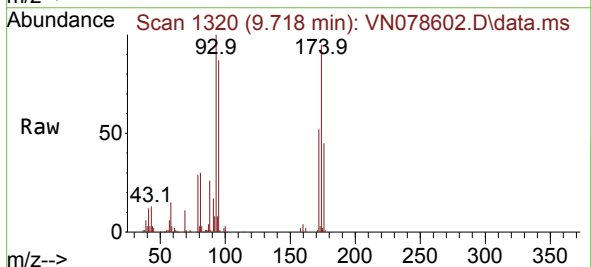
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 63 Resp: 319101  
Ion Ratio Lower Upper  
63 100  
65 29.6 23.9 35.9



#46  
Dibromomethane  
Concen: 51.009 ug/l  
RT: 9.718 min Scan# 1320  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 93 Resp: 221315  
Ion Ratio Lower Upper  
93 100  
95 83.1 63.8 95.8  
174 93.7 65.6 98.4

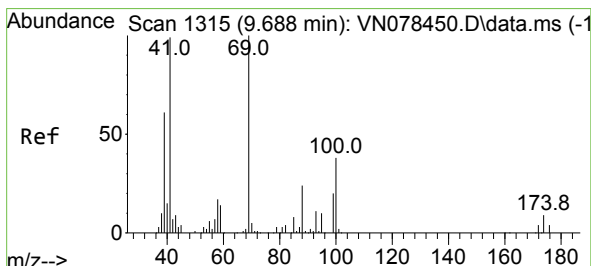
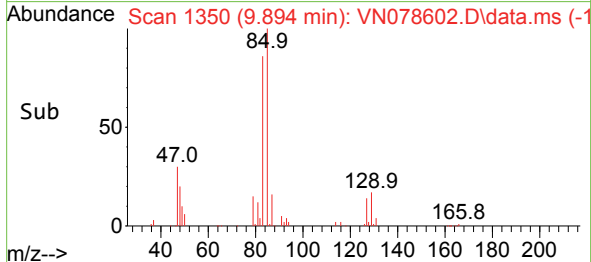
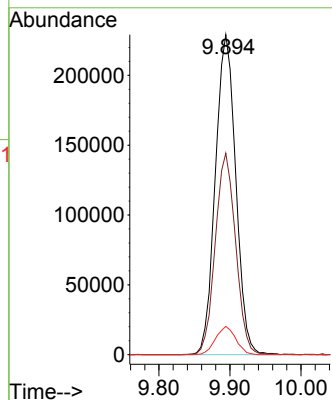
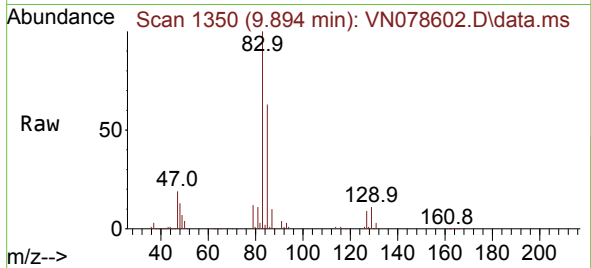




#47  
Bromodichloromethane  
Concen: 52.502 ug/l  
RT: 9.894 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

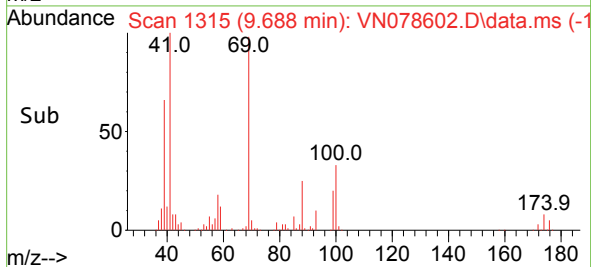
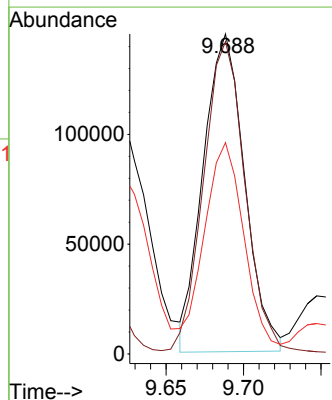
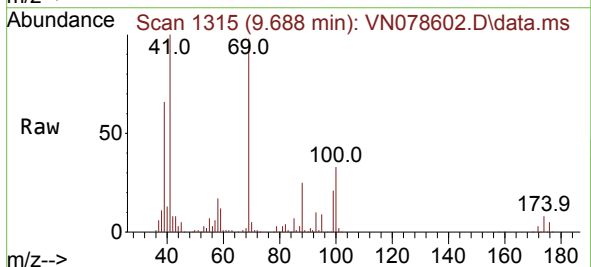
Instrument :  
MSVOA\_N  
ClientSampleId :

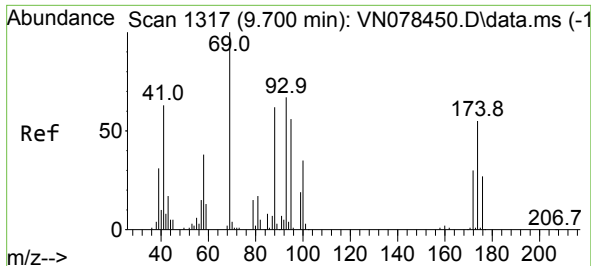
Tgt Ion: 83 Resp: 456621  
Ion Ratio Lower Upper  
83 100  
85 63.0 49.6 74.4  
127 8.9 7.0 10.6



#48  
Methyl methacrylate  
Concen: 51.499 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 41 Resp: 269018  
Ion Ratio Lower Upper  
41 100  
69 99.4 90.4 135.6  
39 65.6 54.6 81.8





#49

1,4-Dioxane

Concen: 1053.118 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

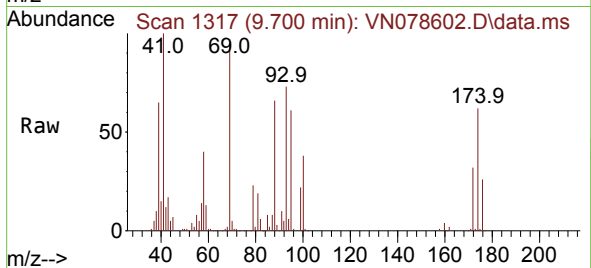
Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

ClientSampleId :



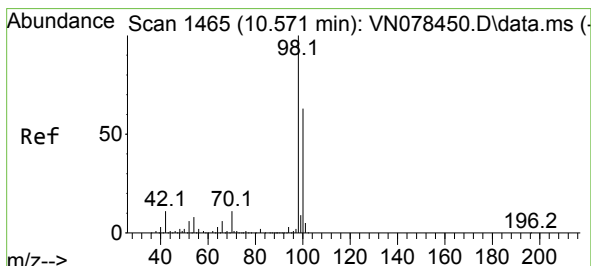
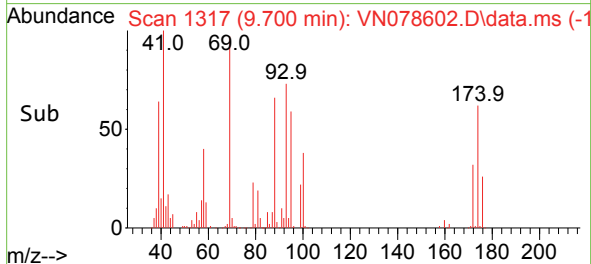
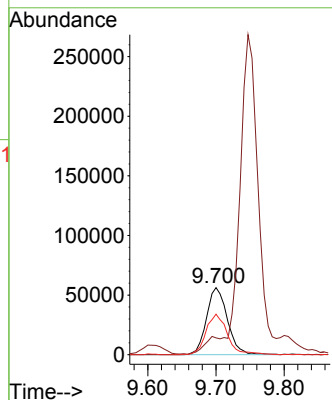
Tgt Ion: 88 Resp: 119971

Ion Ratio Lower Upper

88 100

43 20.0 17.0 25.6

58 62.2 47.0 70.4



#50

Toluene-d8

Concen: 50.155 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078602.D

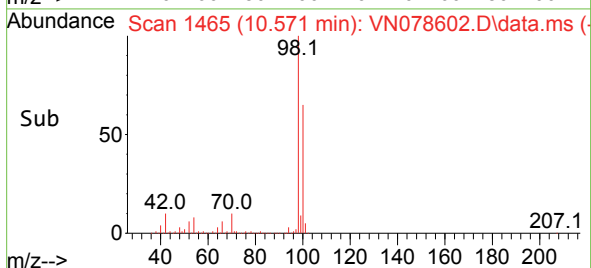
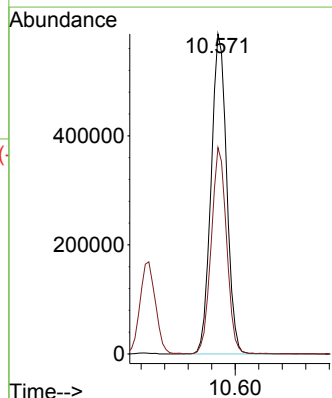
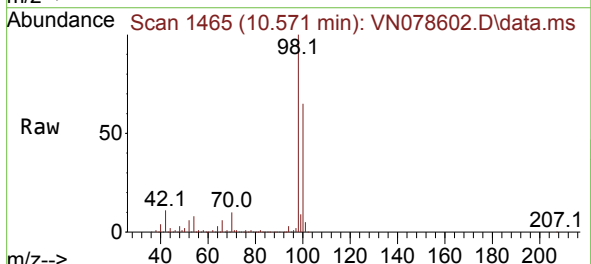
Acq: 20 Jul 2023 18:46

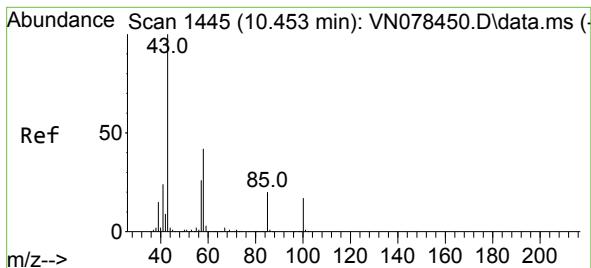
Tgt Ion: 98 Resp: 1078035

Ion Ratio Lower Upper

98 100

100 63.6 52.0 78.0

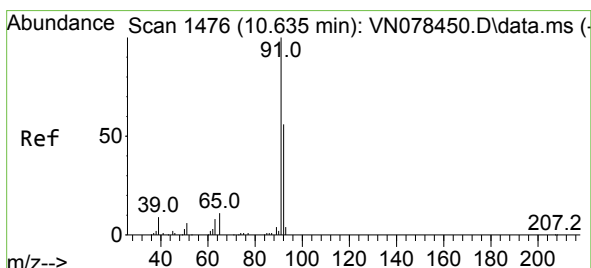
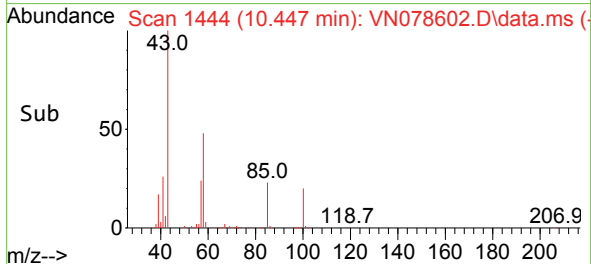
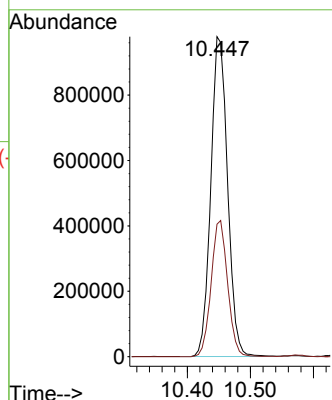
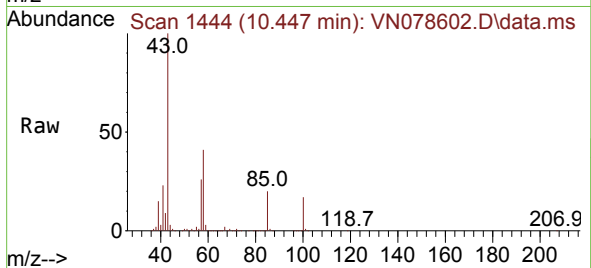




#51  
4-Methyl-2-Pentanone  
Concen: 269.066 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.006 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

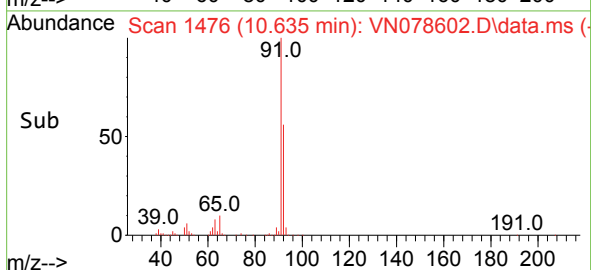
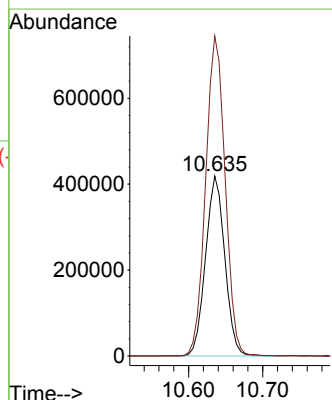
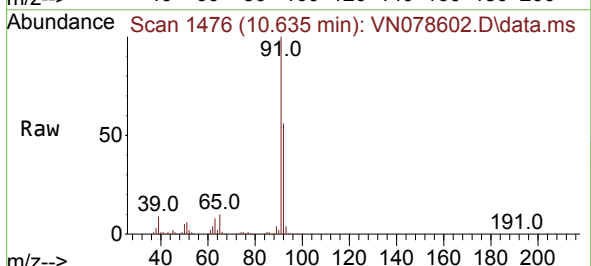
Instrument :  
MSVOA\_N  
ClientSampleId :

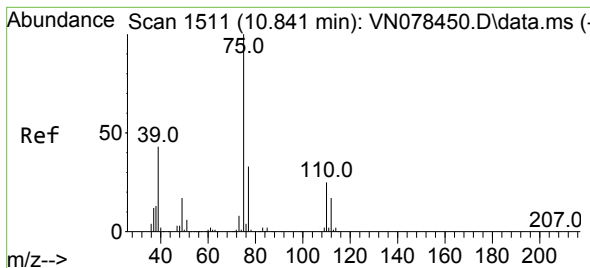
Tgt Ion: 43 Resp: 1804538  
Ion Ratio Lower Upper  
43 100  
58 41.9 36.6 54.8



#52  
Toluene  
Concen: 50.141 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 92 Resp: 756363  
Ion Ratio Lower Upper  
92 100  
91 179.9 137.4 206.0

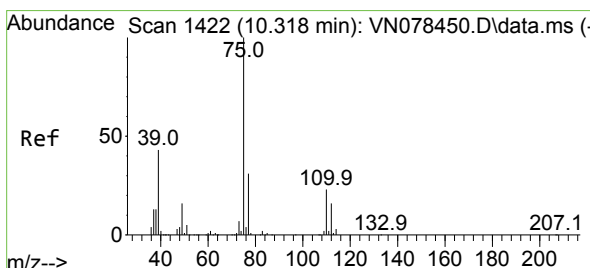
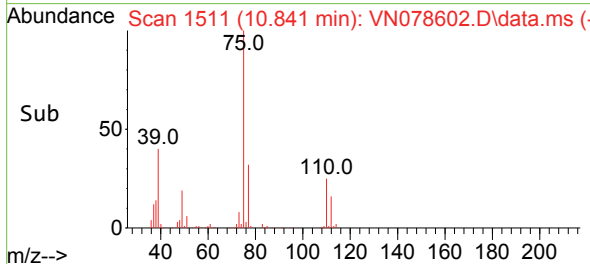
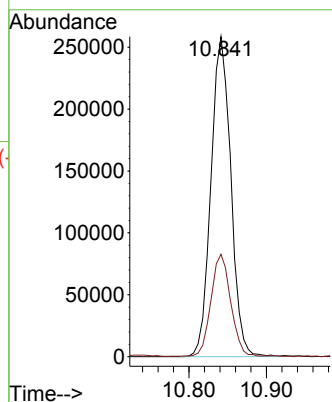
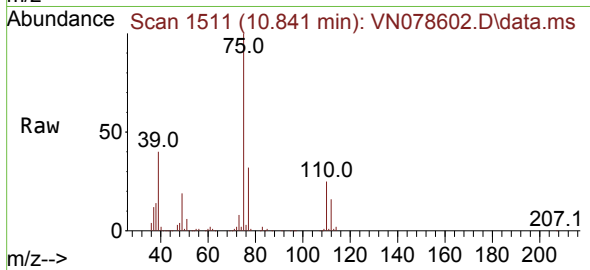




#53  
 t-1,3-Dichloropropene  
 Concen: 51.722 ug/l  
 RT: 10.841 min Scan# 1511  
 Delta R.T. 0.000 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

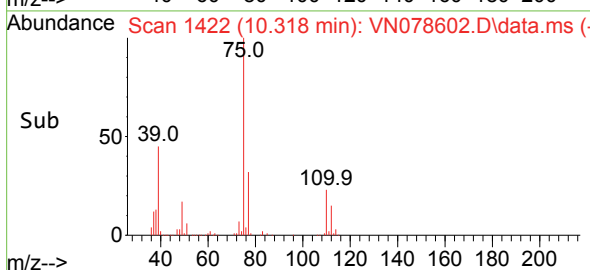
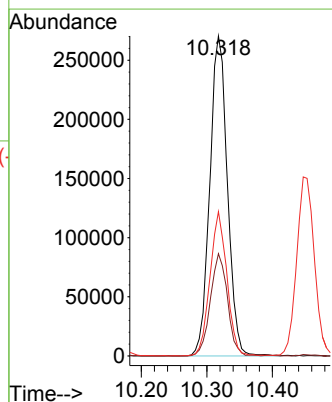
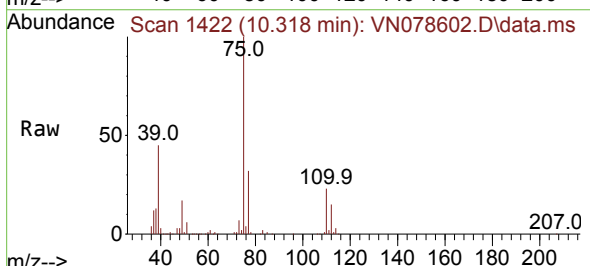
Instrument :  
 MSVOA\_N  
 ClientSampleId :

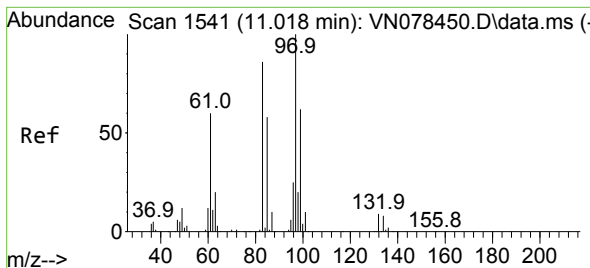
Tgt Ion: 75 Resp: 460841  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.170 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. -0.000 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

Tgt Ion: 75 Resp: 504983  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 26.1 39.1  
 39 45.1 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 52.631 ug/l

RT: 11.024 min Scan# 1

Delta R.T. 0.006 min

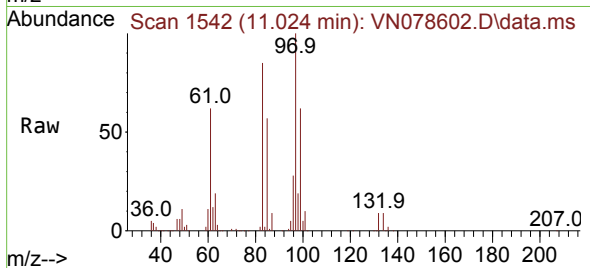
Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion: 97 Resp: 312801

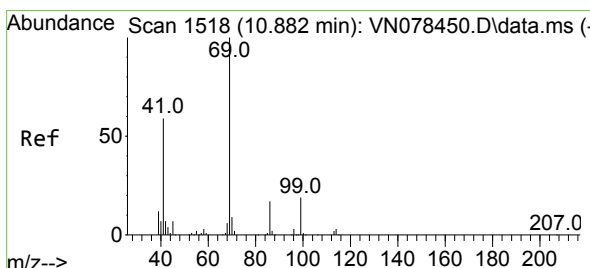
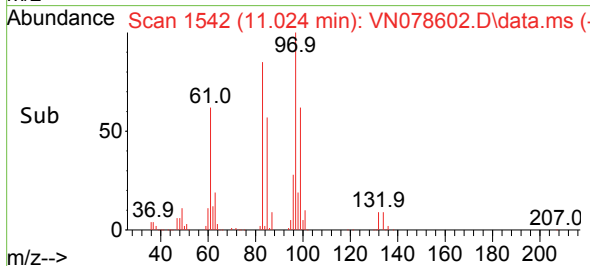
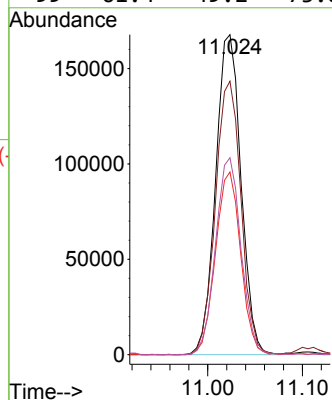
Ion Ratio Lower Upper

97 100

83 85.5 65.1 97.7

85 57.1 43.4 65.2

99 61.4 49.2 73.8



#56

Ethyl methacrylate

Concen: 53.945 ug/l

RT: 10.882 min Scan# 1518

Delta R.T. 0.000 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

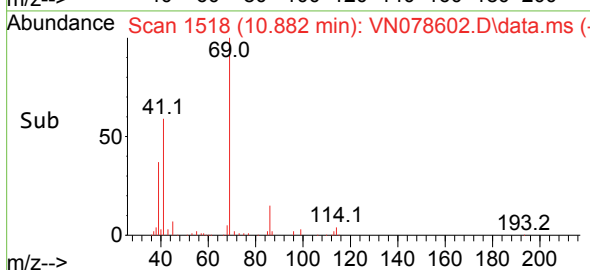
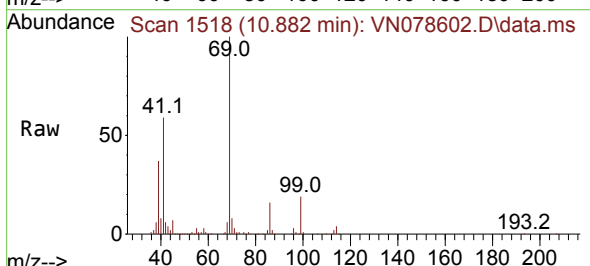
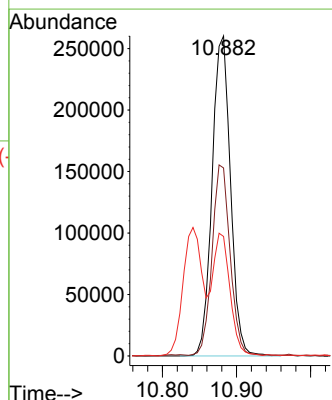
Tgt Ion: 69 Resp: 448177

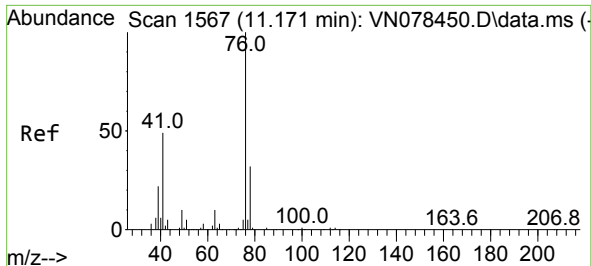
Ion Ratio Lower Upper

69 100

41 58.4 39.6 59.4

39 36.6 28.6 43.0





#57

1,3-Dichloropropane

Concen: 51.200 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.000 min

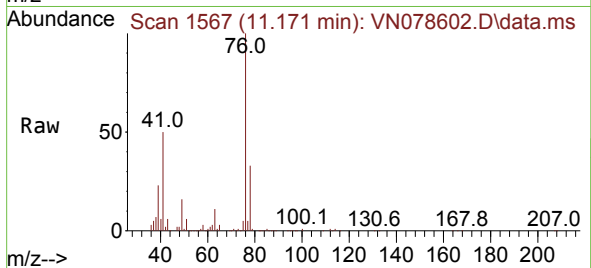
Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

ClientSampleId :

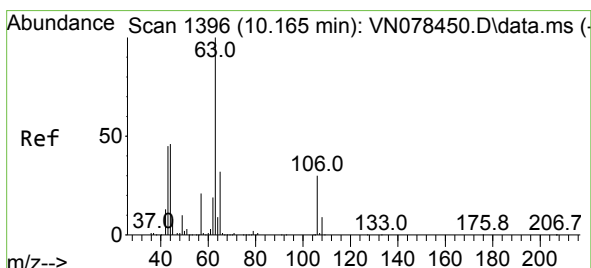
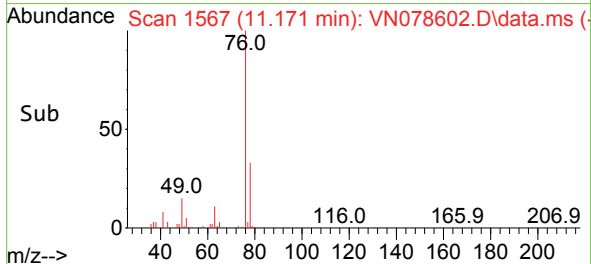
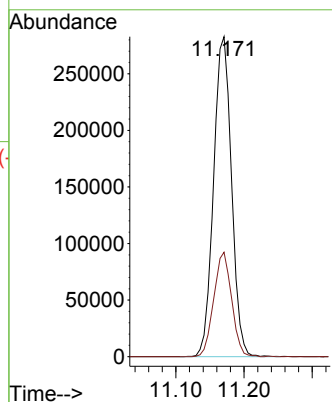


Tgt Ion: 76 Resp: 517397

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 252.410 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN078602.D

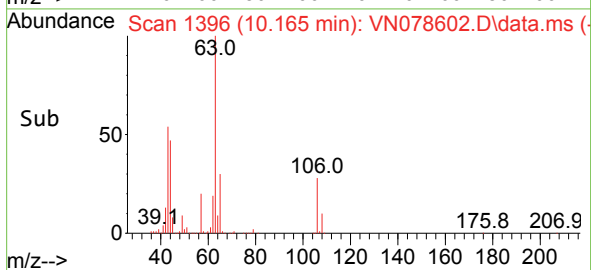
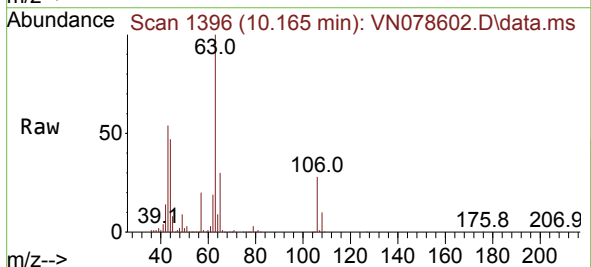
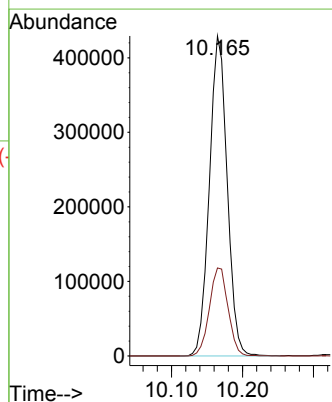
Acq: 20 Jul 2023 18:46

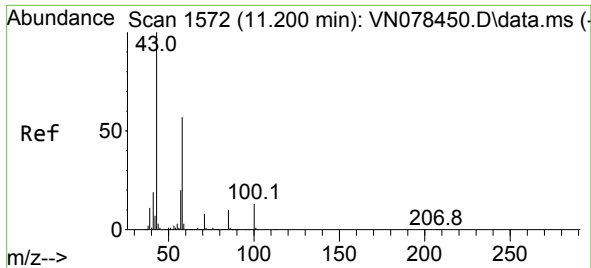
Tgt Ion: 63 Resp: 747331

Ion Ratio Lower Upper

63 100

106 28.8 26.2 39.4

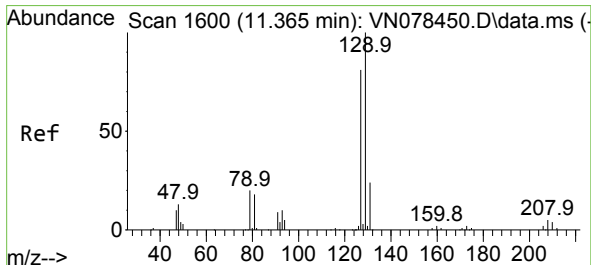
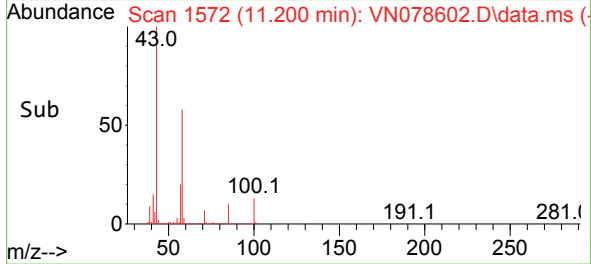
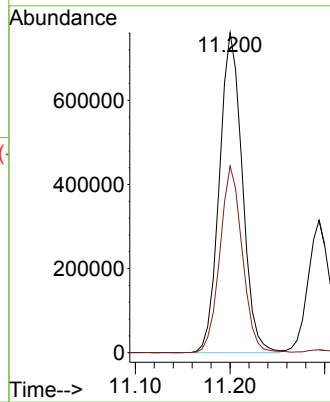
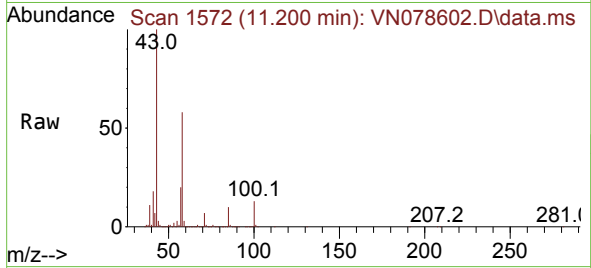




#59  
2-Hexanone  
Concen: 267.979 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

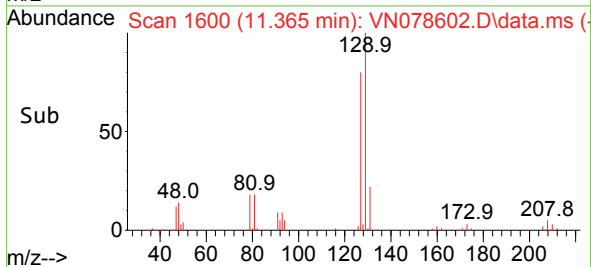
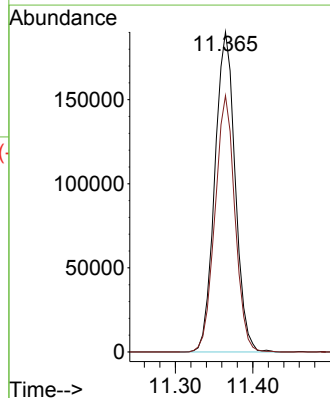
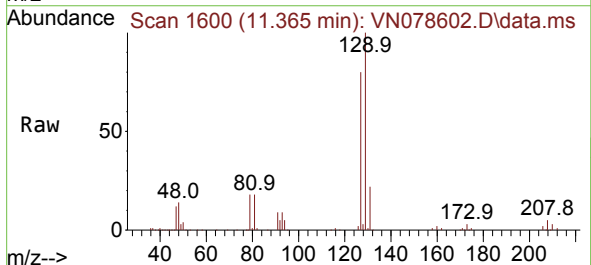
Instrument :  
MSVOA\_N  
ClientSampleId :

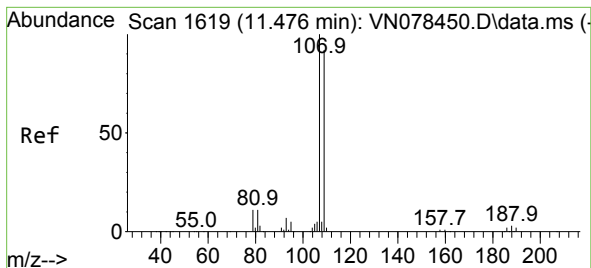
Tgt Ion: 43 Resp: 1277325  
Ion Ratio Lower Upper  
43 100  
58 57.1 31.7 95.1



#60  
Dibromochloromethane  
Concen: 52.891 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

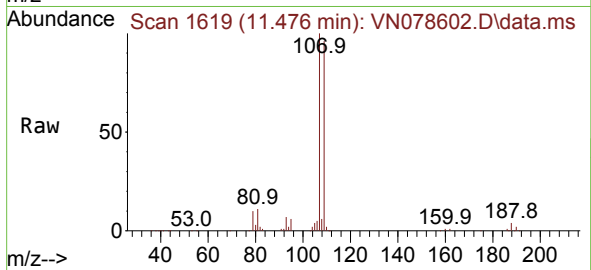
Tgt Ion: 129 Resp: 347035  
Ion Ratio Lower Upper  
129 100  
127 78.8 38.6 116.0



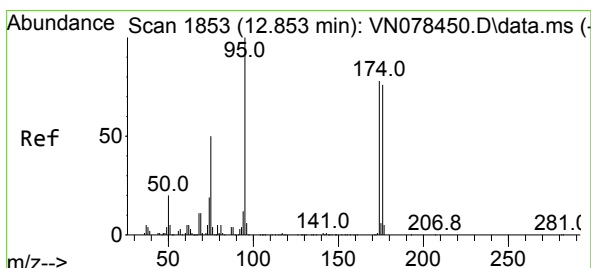
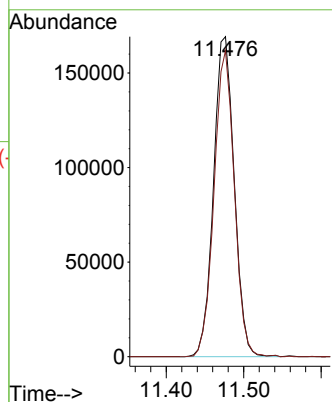
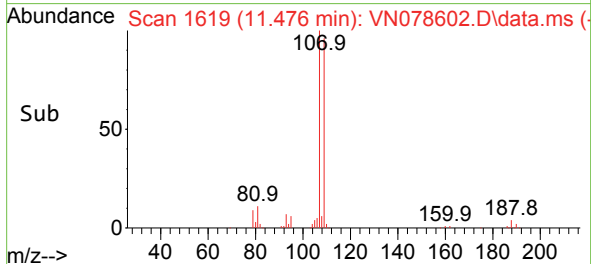


#61  
1,2-Dibromoethane  
Concen: 51.188 ug/l  
RT: 11.476 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

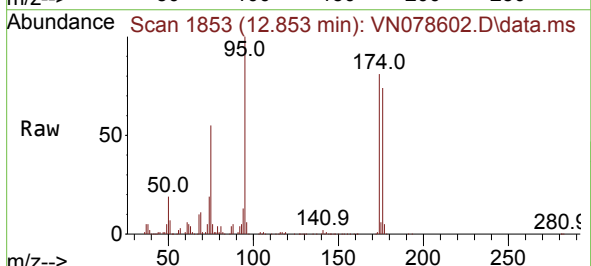
Instrument :  
MSVOA\_N  
ClientSampleId :



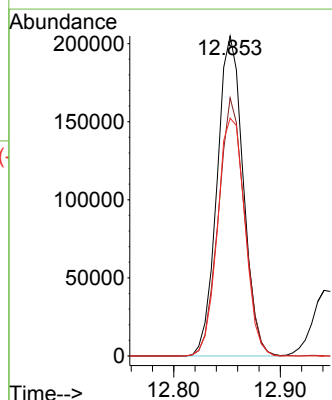
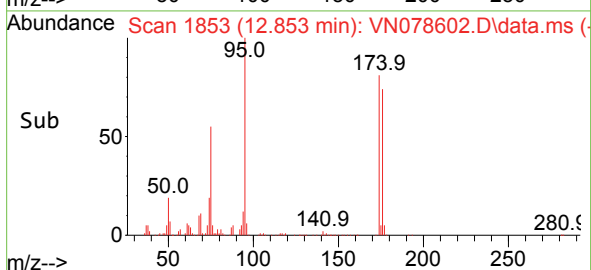
Tgt Ion:107 Resp: 313393  
Ion Ratio Lower Upper  
107 100  
109 93.8 76.6 114.8

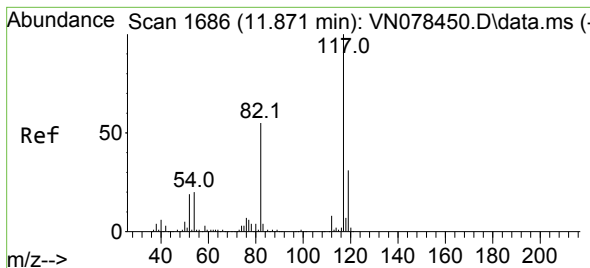


#62  
4-Bromofluorobenzene  
Concen: 52.699 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46



Tgt Ion: 95 Resp: 348899  
Ion Ratio Lower Upper  
95 100  
174 80.4 0.0 143.8  
176 77.6 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

ClientSampleId :

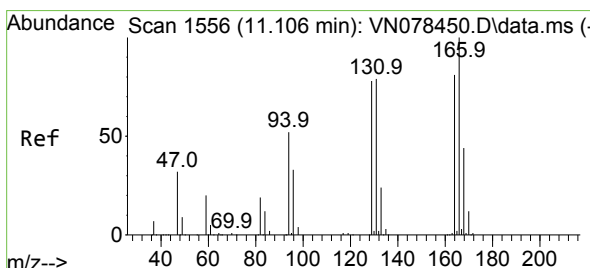
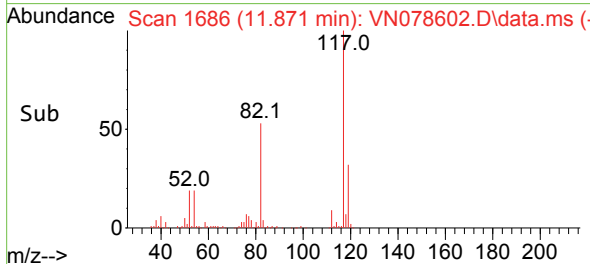
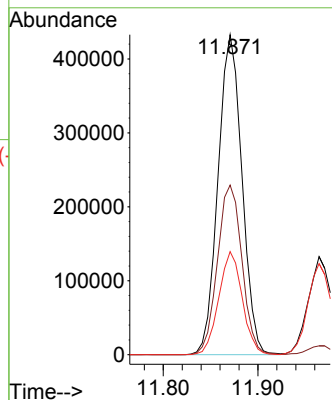
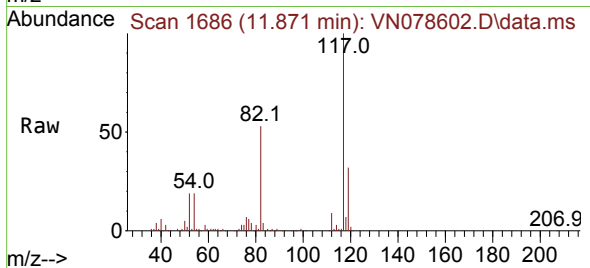
Tgt Ion:117 Resp: 761310

Ion Ratio Lower Upper

117 100

82 53.0 44.0 66.0

119 32.2 25.6 38.4



#64

Tetrachloroethene

Concen: 43.999 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. 0.006 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Tgt Ion:164 Resp: 251840

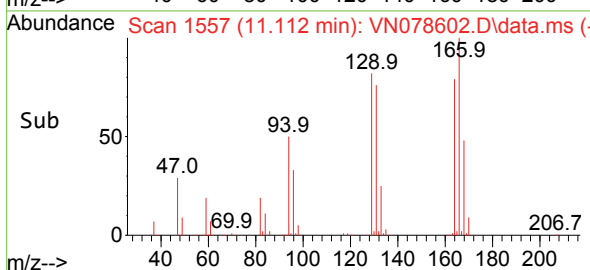
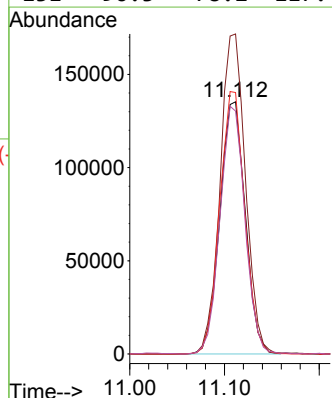
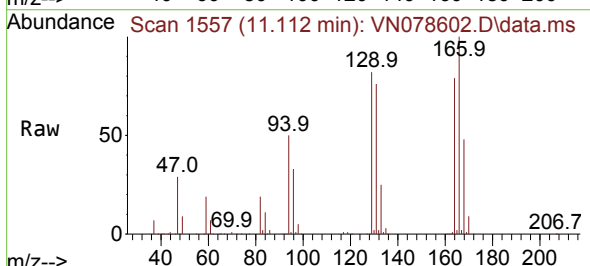
Ion Ratio Lower Upper

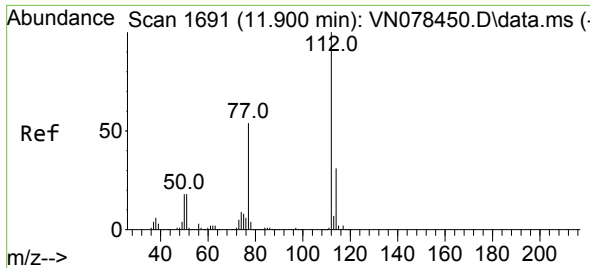
164 100

166 126.9 101.4 152.0

129 103.7 82.4 123.6

131 96.3 78.2 117.4

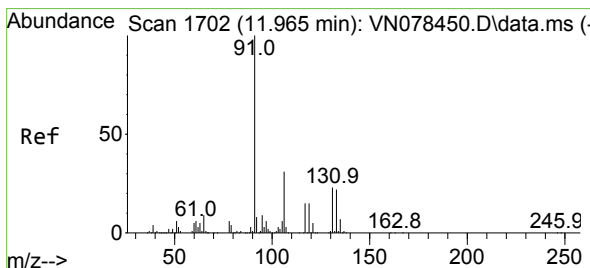
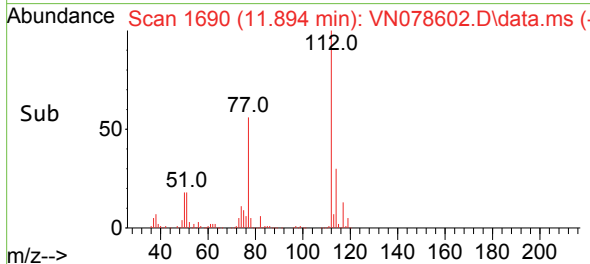
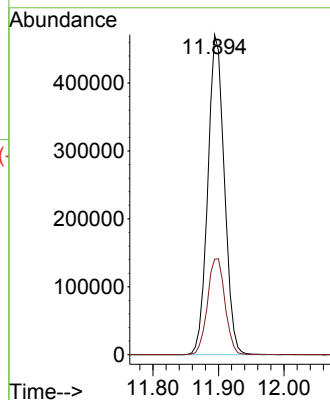
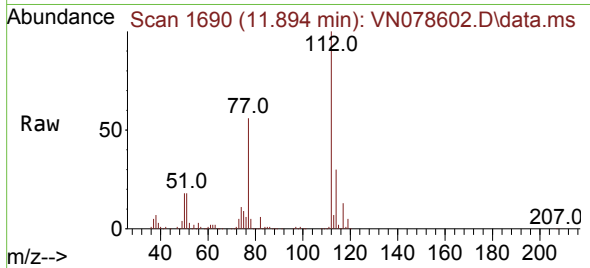




#65  
Chlorobenzene  
Concen: 48.496 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. -0.006 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

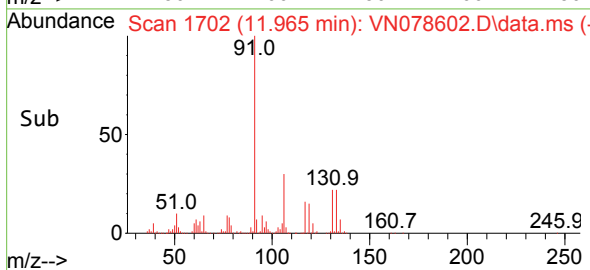
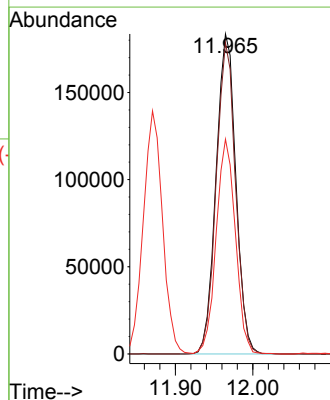
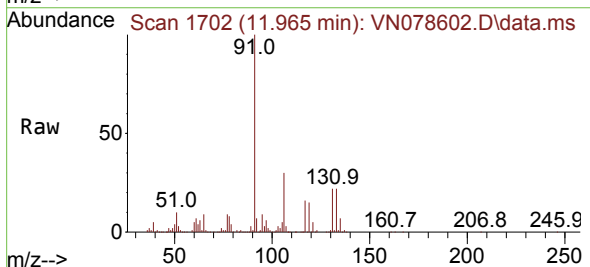
Instrument :  
MSVOA\_N  
ClientSampleId :

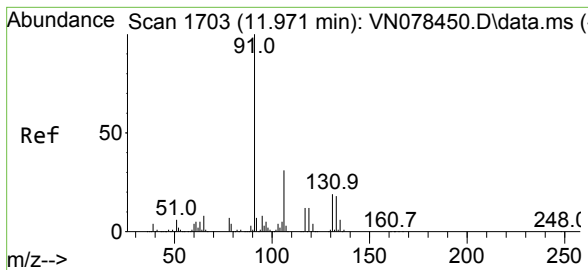
Tgt Ion:112 Resp: 825261  
Ion Ratio Lower Upper  
112 100  
114 29.9 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.801 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion:131 Resp: 326022  
Ion Ratio Lower Upper  
131 100  
133 95.1 46.4 139.1  
119 65.1 34.1 102.2

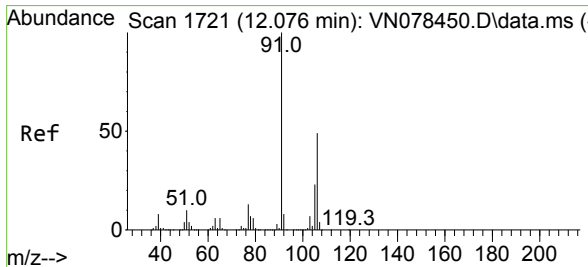
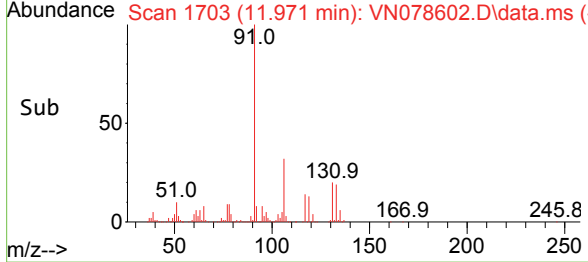
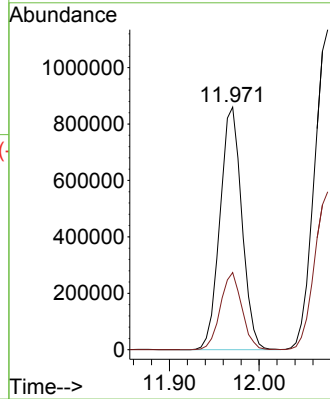
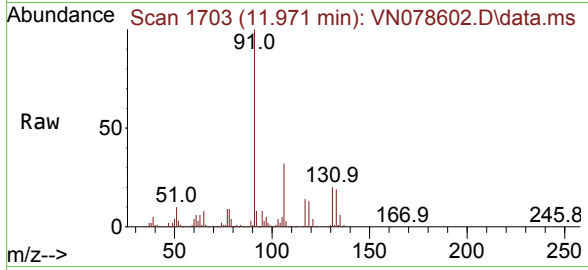




#67  
Ethyl Benzene  
Concen: 50.576 ug/l  
RT: 11.971 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

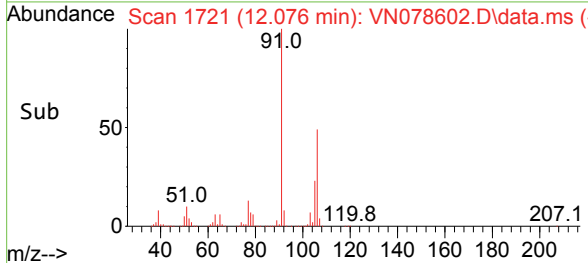
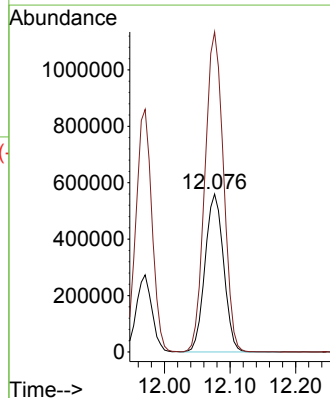
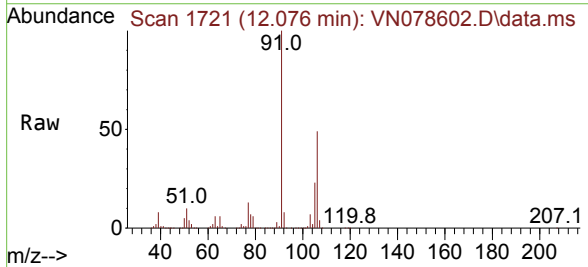
Instrument :  
MSVOA\_N  
ClientSampleId :

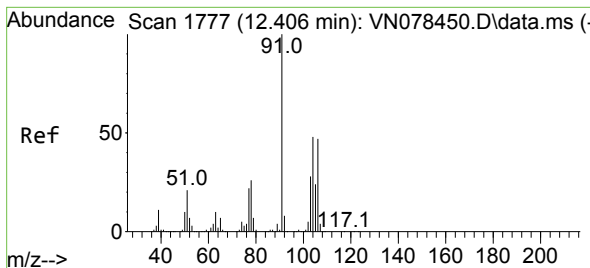
Tgt Ion: 91 Resp: 1454786  
Ion Ratio Lower Upper  
91 100  
106 31.8 25.6 38.4



#68  
m/p-Xylenes  
Concen: 103.816 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion:106 Resp: 1104098  
Ion Ratio Lower Upper  
106 100  
91 202.3 159.6 239.4





#69

o-Xylene

Concen: 50.694 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

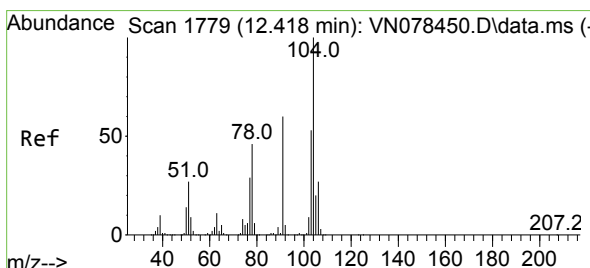
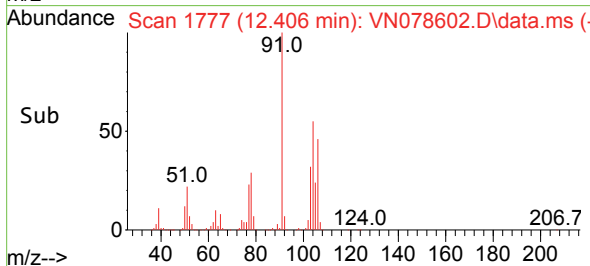
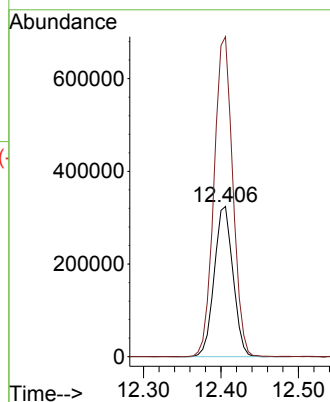
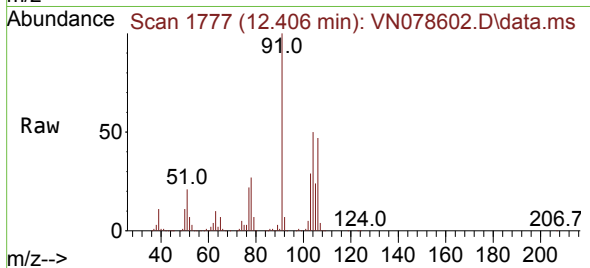
ClientSampleId :

Tgt Ion:106 Resp: 544552

Ion Ratio Lower Upper

106 100

91 213.7 105.2 315.5



#70

Styrene

Concen: 53.355 ug/l

RT: 12.418 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

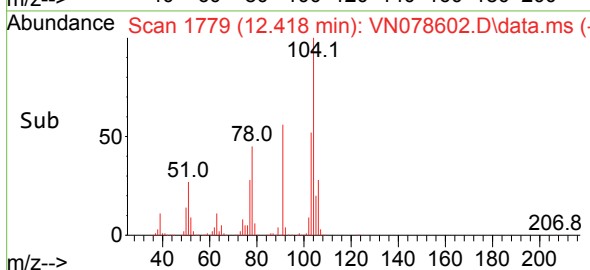
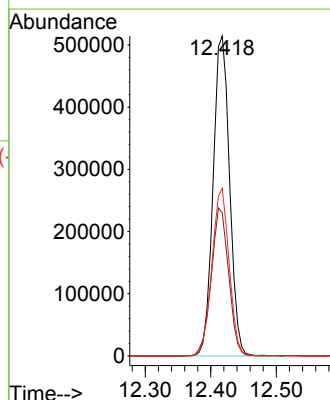
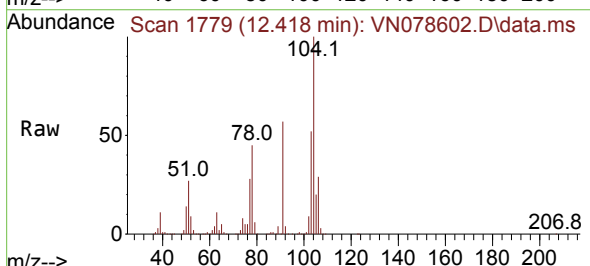
Tgt Ion:104 Resp: 896651

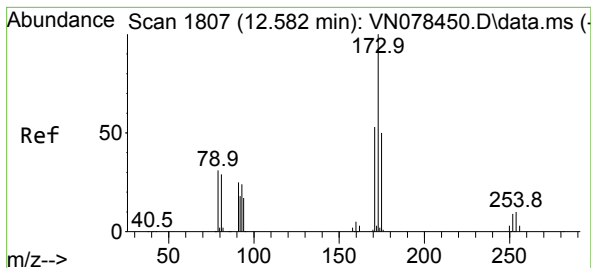
Ion Ratio Lower Upper

104 100

78 48.8 39.5 59.3

103 54.8 43.2 64.8





#71

Bromoform

Concen: 51.671 ug/l

RT: 12.582 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

ClientSampleId :

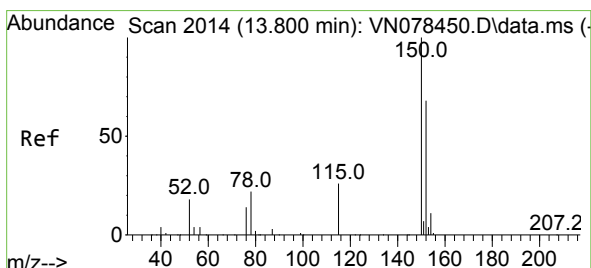
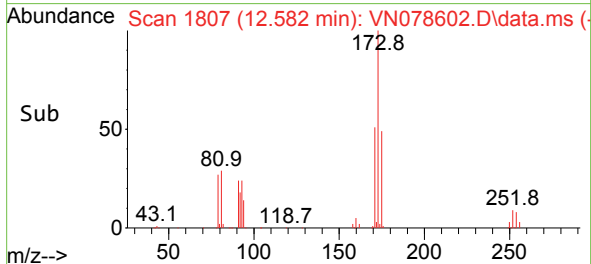
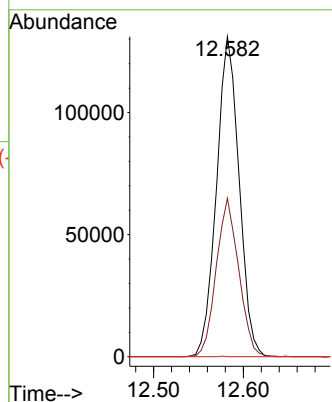
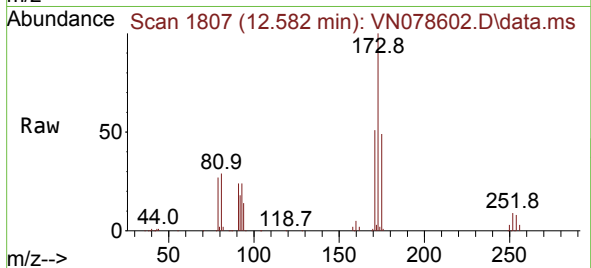
Tgt Ion:173 Resp: 229088

Ion Ratio Lower Upper

173 100

175 49.3 24.3 73.0

254 0.0 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.006 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

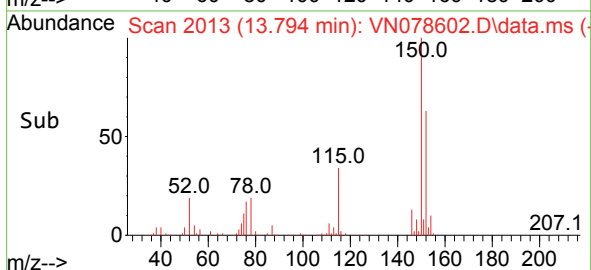
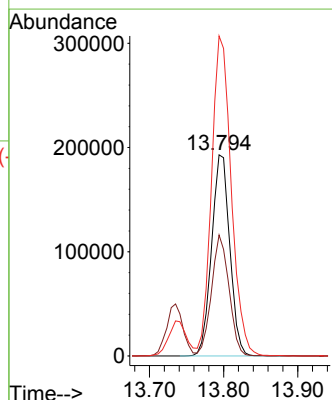
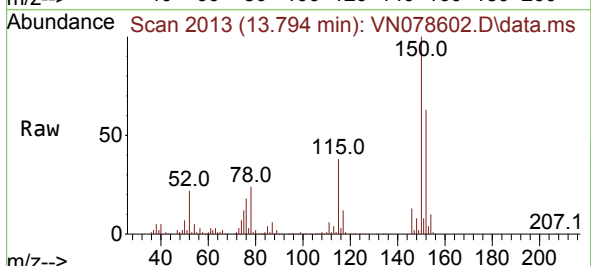
Tgt Ion:152 Resp: 328655

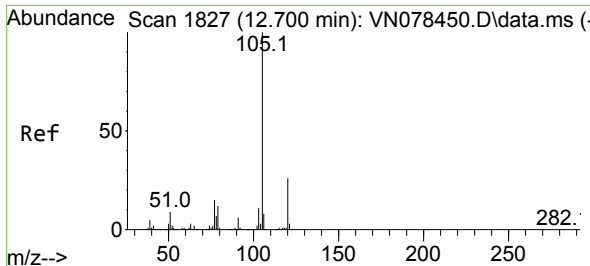
Ion Ratio Lower Upper

152 100

115 57.9 32.3 96.8

150 172.3 0.0 355.8

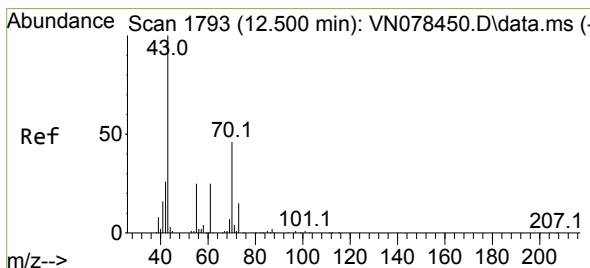
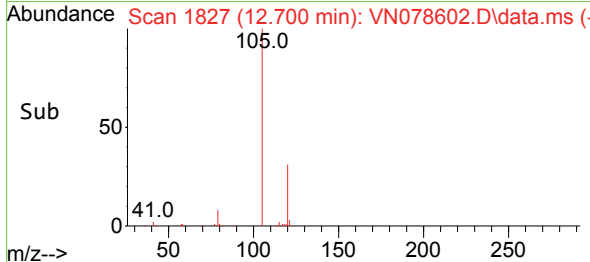
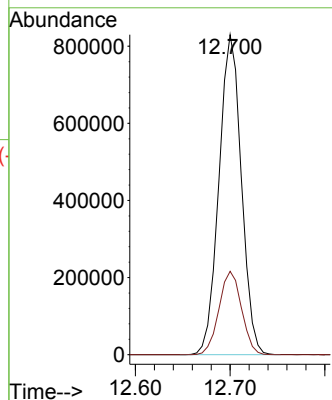
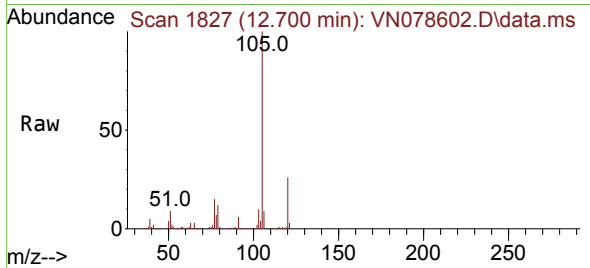




#73  
Isopropylbenzene  
Concen: 44.164 ug/l  
RT: 12.700 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

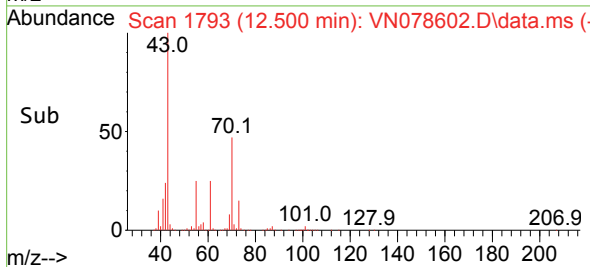
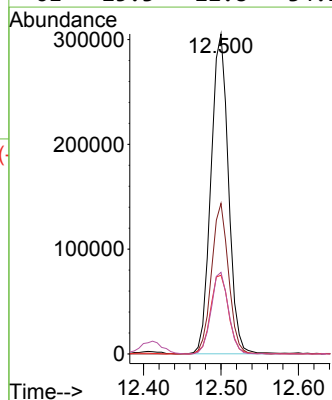
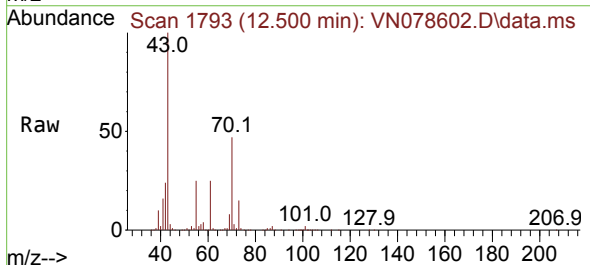
Instrument :  
MSVOA\_N  
ClientSampleId :

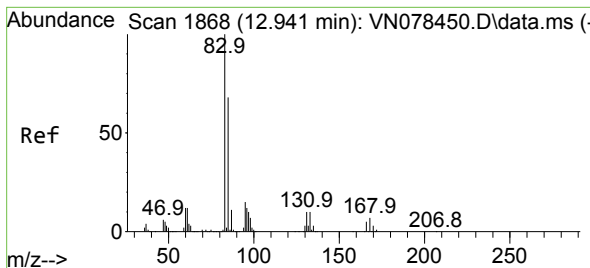
Tgt Ion:105 Resp: 1363873  
Ion Ratio Lower Upper  
105 100  
120 26.2 13.1 39.1



#74  
N-ethyl acetate  
Concen: 44.844 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 43 Resp: 477254  
Ion Ratio Lower Upper  
43 100  
70 45.9 43.4 65.2  
55 25.5 21.4 32.0  
61 25.3 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.765 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

ClientSampleId :

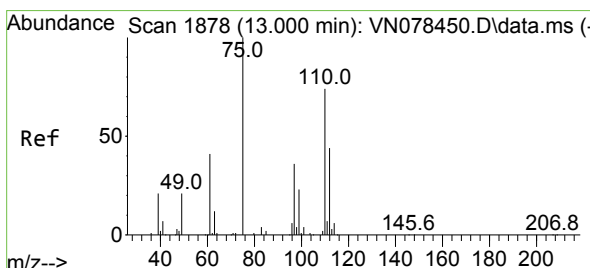
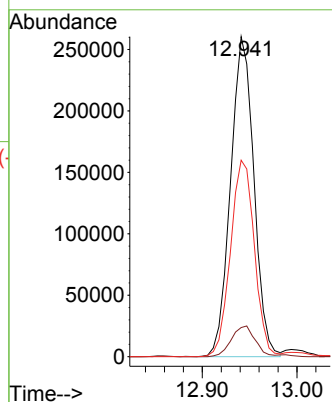
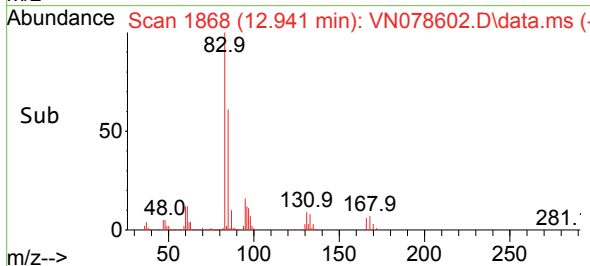
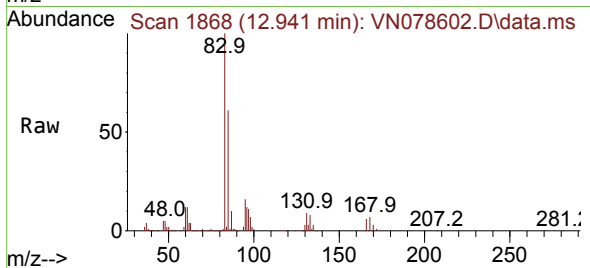
Tgt Ion: 83 Resp: 445551

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

85 62.9 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 65.469 ug/l

RT: 13.000 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VN078602.D

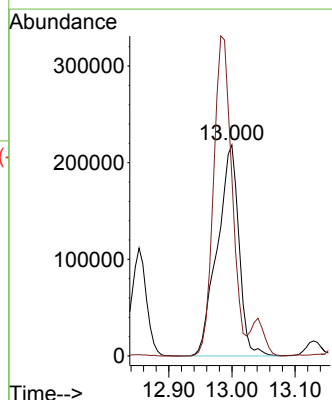
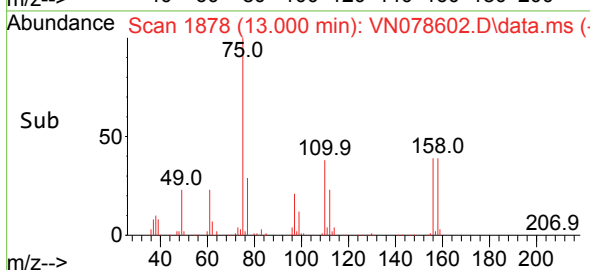
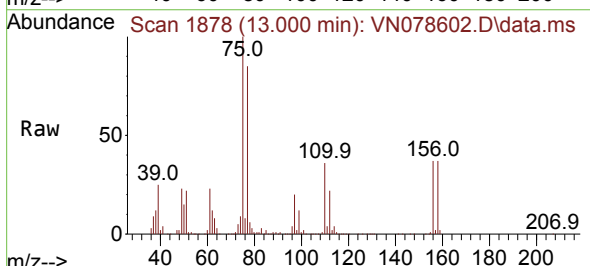
Acq: 20 Jul 2023 18:46

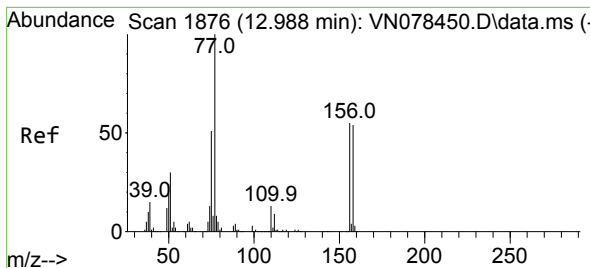
Tgt Ion: 75 Resp: 520089

Ion Ratio Lower Upper

75 100

77 129.0 84.5 253.5





#77

Bromobenzene

Concen: 48.122 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

ClientSampleId :

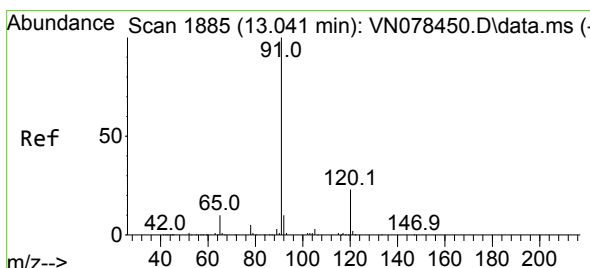
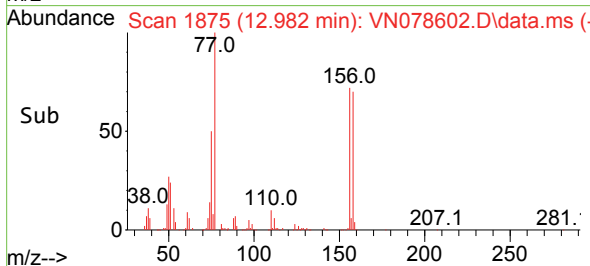
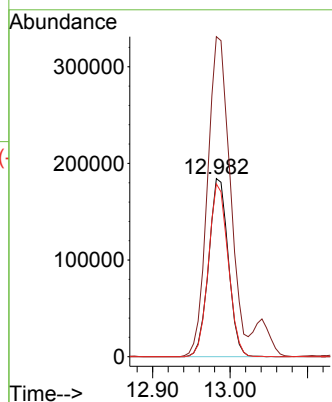
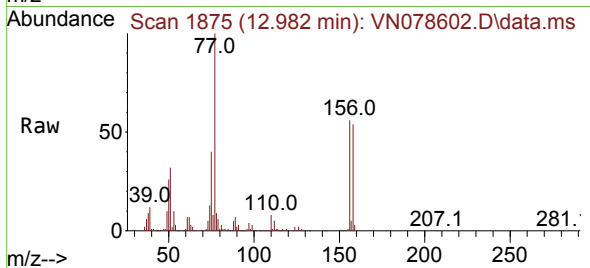
Tgt Ion:156 Resp: 323567

Ion Ratio Lower Upper

156 100

77 207.3 107.7 323.3

158 97.5 48.4 145.3



#78

n-propylbenzene

Concen: 45.369 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN078602.D

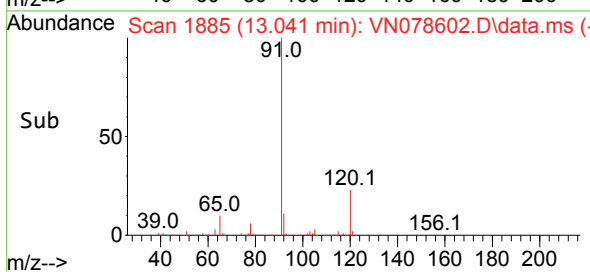
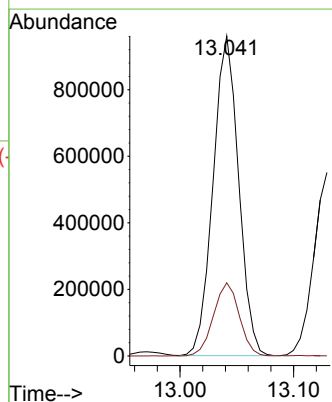
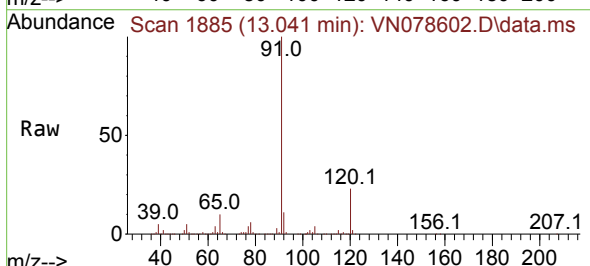
Acq: 20 Jul 2023 18:46

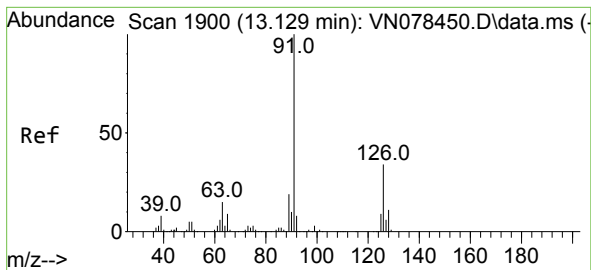
Tgt Ion: 91 Resp: 1498359

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4

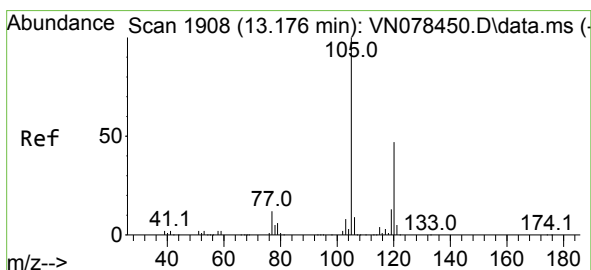
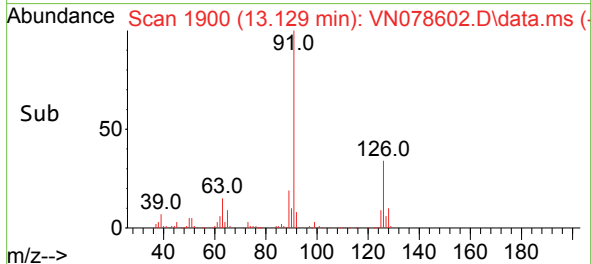
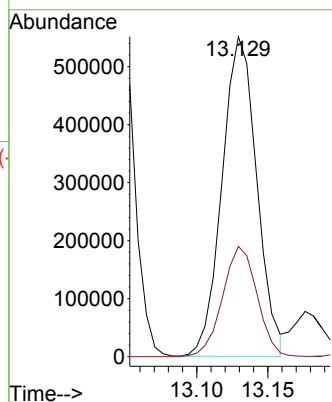
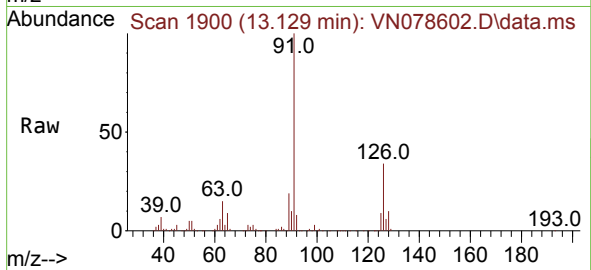




#79  
2-Chlorotoluene  
Concen: 43.296 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

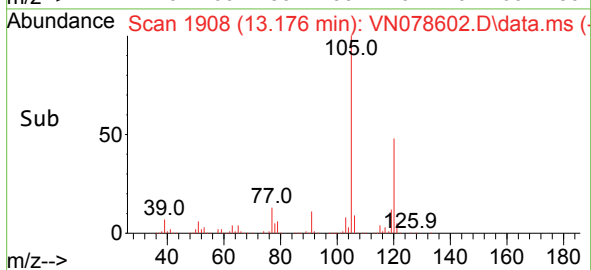
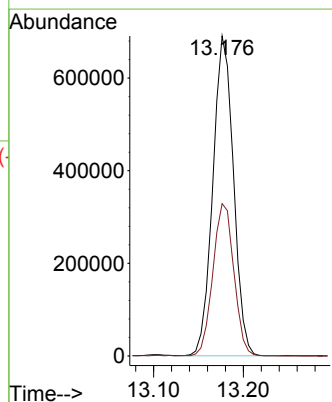
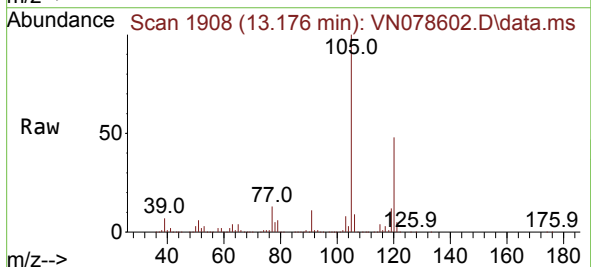
Instrument :  
MSVOA\_N  
ClientSampleId :

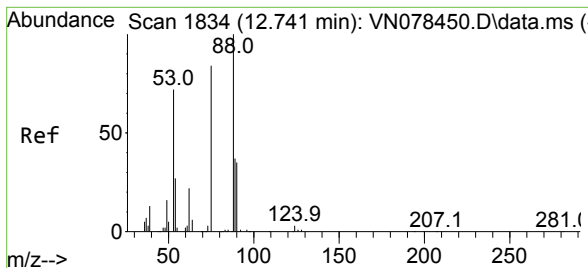
Tgt Ion: 91 Resp: 936613  
Ion Ratio Lower Upper  
91 100  
126 34.3 16.3 48.8



#80  
1,3,5-Trimethylbenzene  
Concen: 45.207 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 105 Resp: 1103070  
Ion Ratio Lower Upper  
105 100  
120 48.3 24.1 72.3

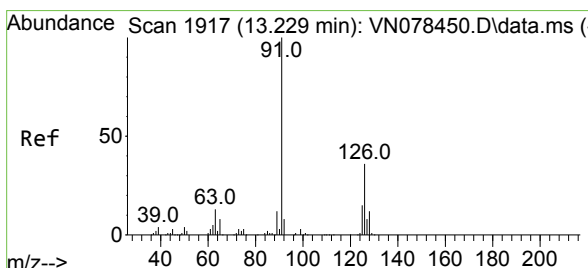
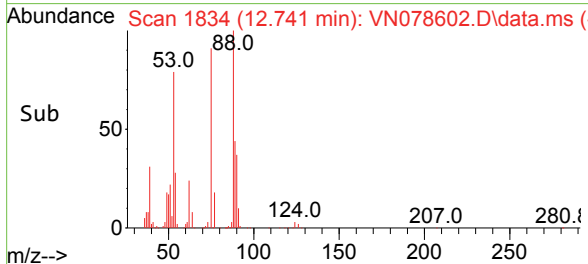
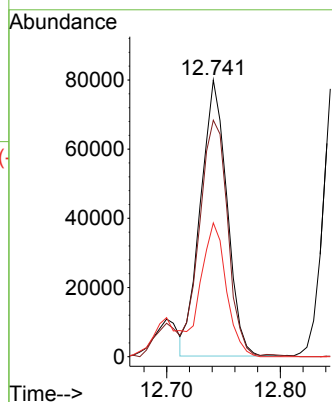
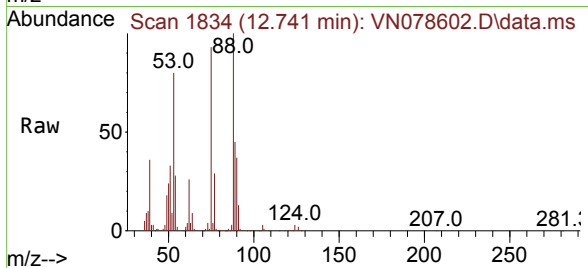




#81  
trans-1,4-Dichloro-2-butene  
Concen: 42.747 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

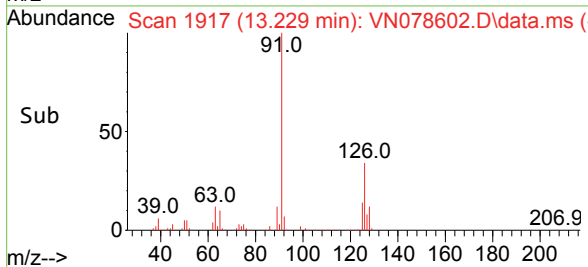
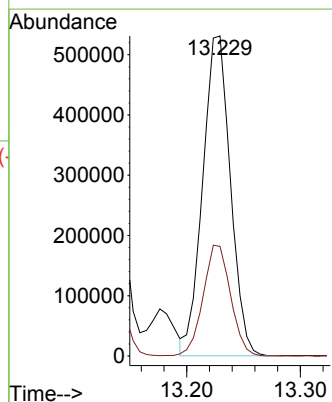
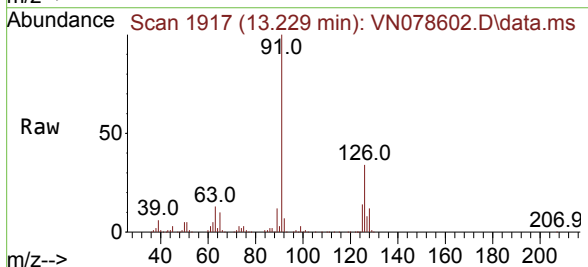
Instrument :  
MSVOA\_N  
ClientSampleId :

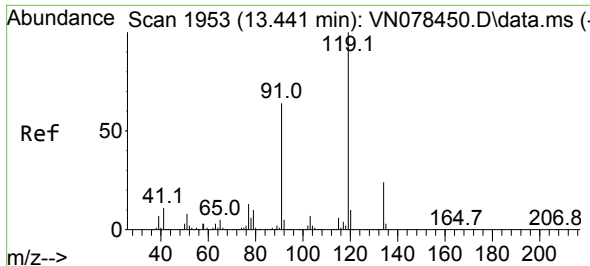
Tgt Ion: 75 Resp: 129225  
Ion Ratio Lower Upper  
75 100  
53 91.7 67.4 101.2  
89 45.9 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 44.567 ug/l  
RT: 13.229 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion: 91 Resp: 899384  
Ion Ratio Lower Upper  
91 100  
126 34.4 16.7 50.0

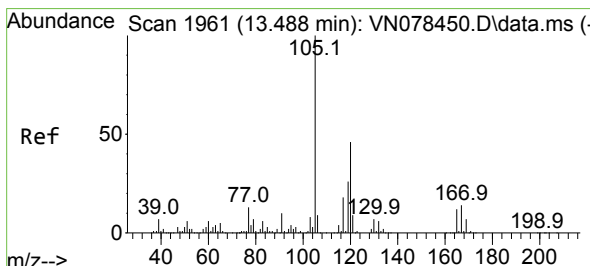
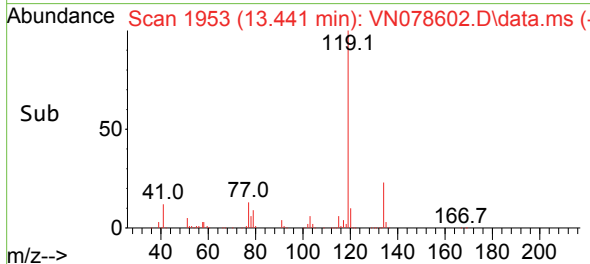
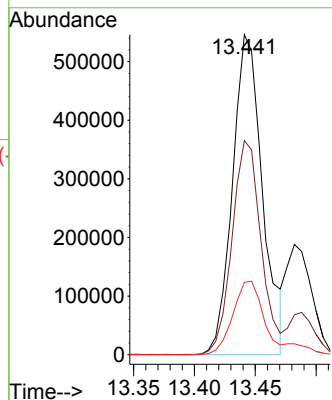
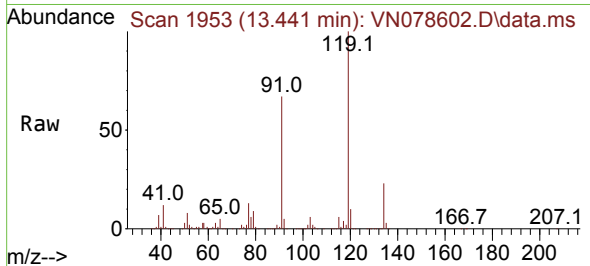




#83  
tert-Butylbenzene  
Concen: 45.177 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

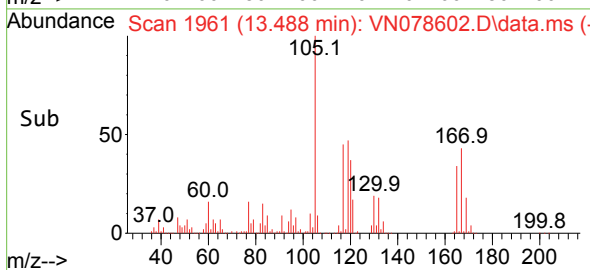
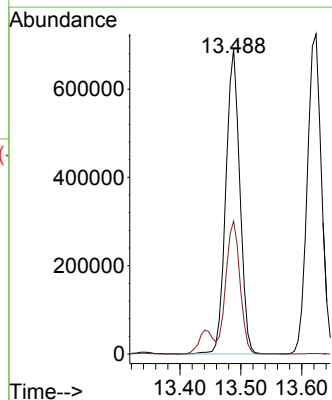
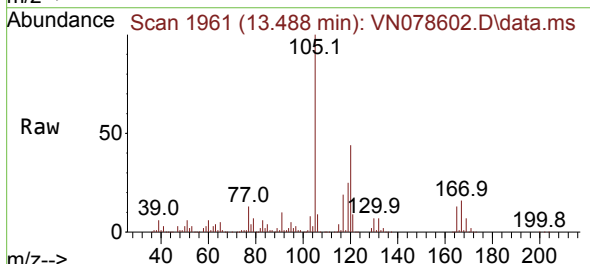
Instrument :  
MSVOA\_N  
ClientSampleId :

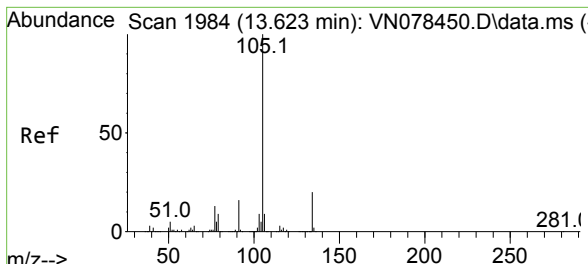
Tgt Ion:119 Resp: 935900  
Ion Ratio Lower Upper  
119 100  
91 64.5 33.9 101.7  
134 25.9 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 46.492 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: VN078602.D  
Acq: 20 Jul 2023 18:46

Tgt Ion:105 Resp: 1101898  
Ion Ratio Lower Upper  
105 100  
120 44.0 22.0 66.0

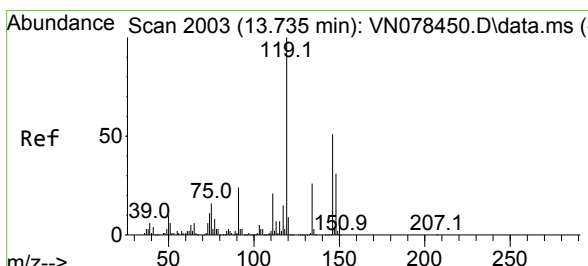
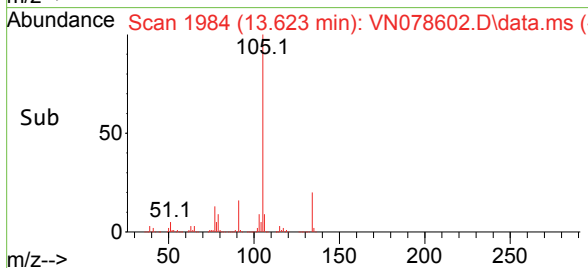
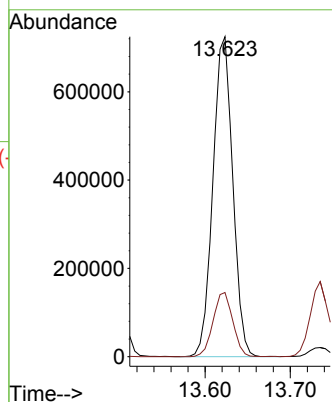
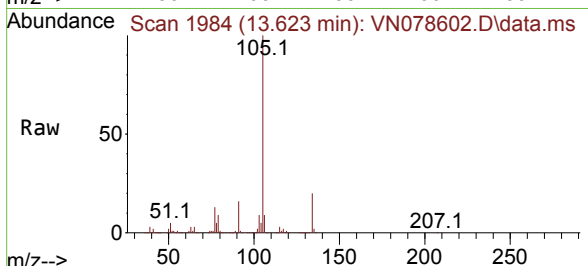




#85  
 sec-Butylbenzene  
 Concen: 44.716 ug/l  
 RT: 13.623 min Scan# 1984  
 Delta R.T. 0.000 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

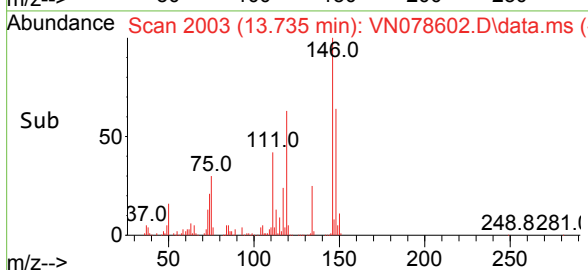
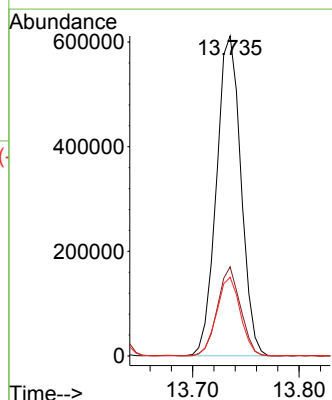
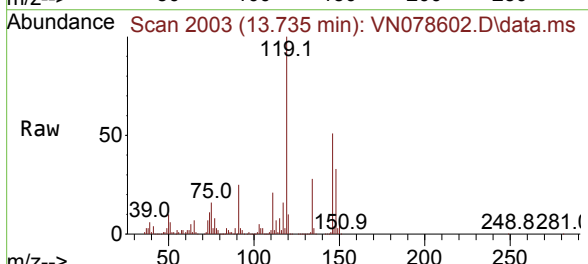
Instrument :  
 MSVOA\_N  
 ClientSampleId :

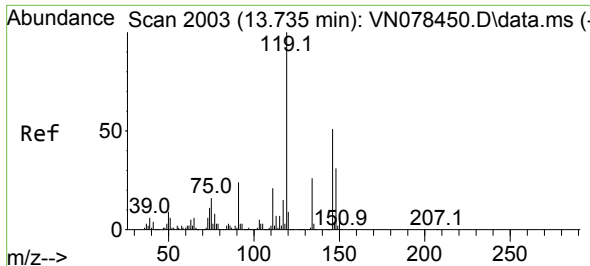
Tgt Ion:105 Resp: 1170894  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 46.346 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

Tgt Ion:119 Resp: 974451  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 12.6 37.8  
 91 24.0 12.4 37.2

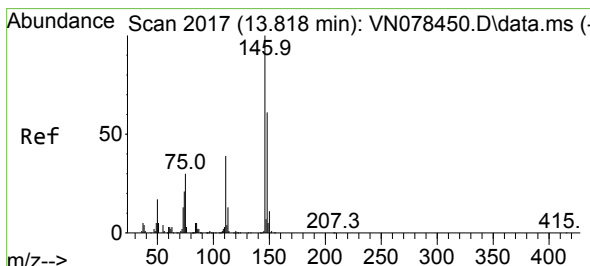
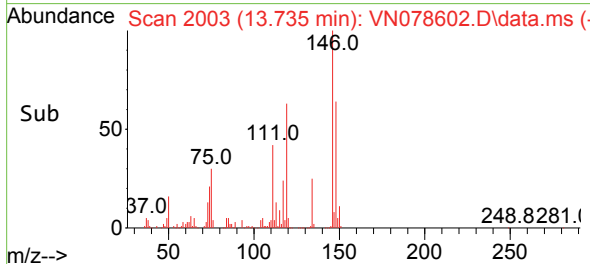
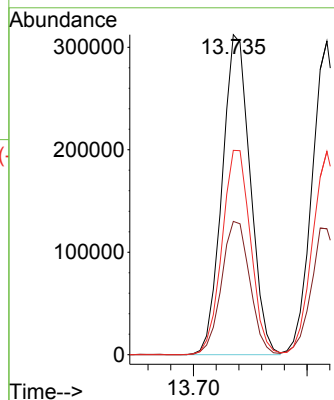
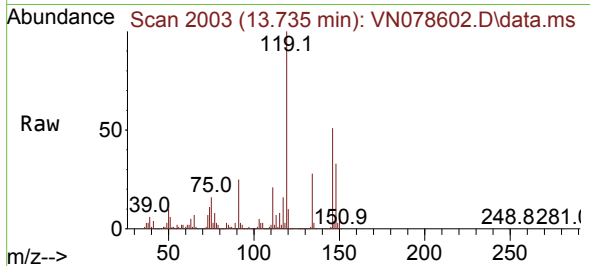




#87  
 1,3-Dichlorobenzene  
 Concen: 45.187 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

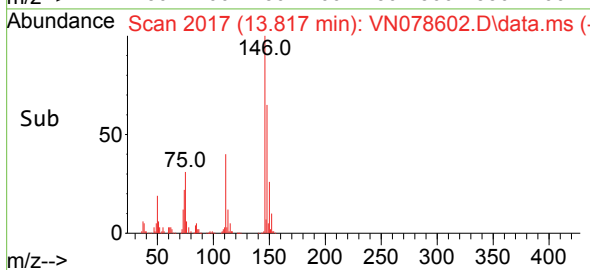
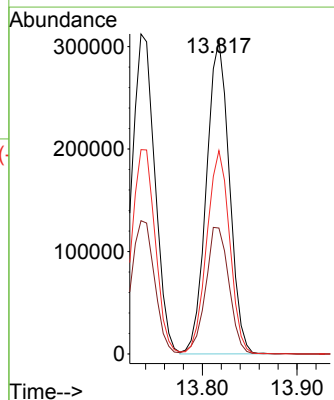
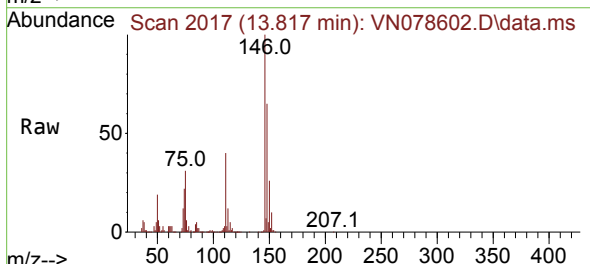
Instrument :  
 MSVOA\_N  
 ClientSampleId :

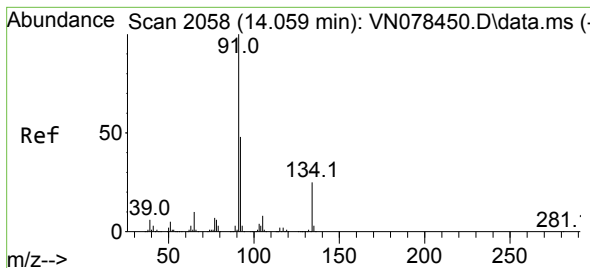
Tgt Ion:146 Resp: 535712  
 Ion Ratio Lower Upper  
 146 100  
 111 42.1 22.1 66.3  
 148 65.0 32.0 96.0



#88  
 1,4-Dichlorobenzene  
 Concen: 43.195 ug/l  
 RT: 13.817 min Scan# 2017  
 Delta R.T. -0.001 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

Tgt Ion:146 Resp: 515808  
 Ion Ratio Lower Upper  
 146 100  
 111 40.8 20.6 61.8  
 148 64.8 31.6 94.8





#89

n-Butylbenzene

Concen: 49.060 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN078602.D

Acq: 20 Jul 2023 18:46

Instrument :

MSVOA\_N

ClientSampleId :

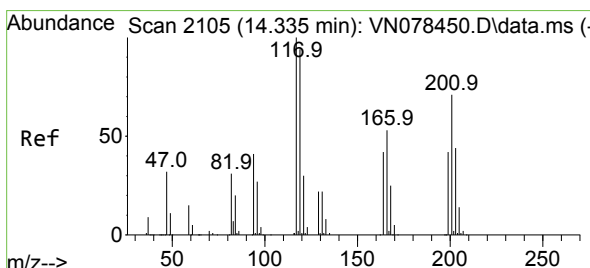
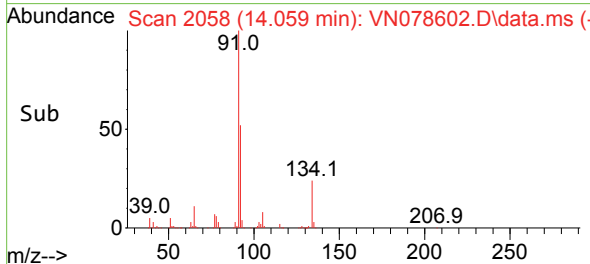
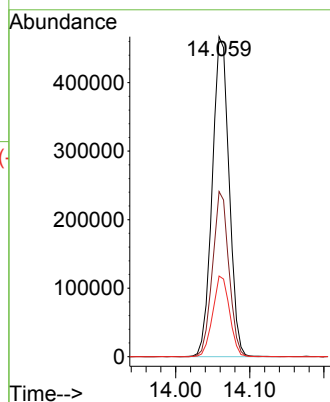
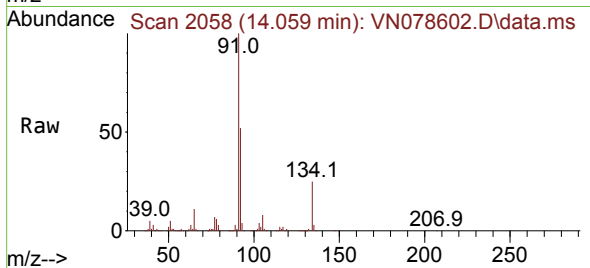
Tgt Ion: 91 Resp: 738065

Ion Ratio Lower Upper

91 100

92 50.2 26.4 79.0

134 25.1 12.6 37.6



#90

Hexachloroethane

Concen: 48.632 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. 0.006 min

Lab File: VN078602.D

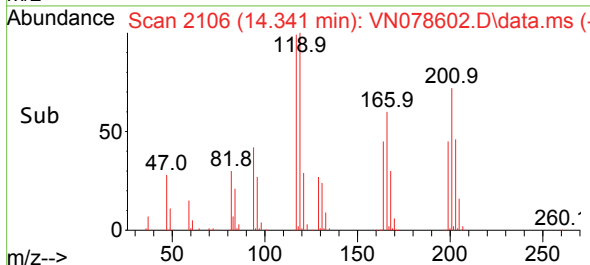
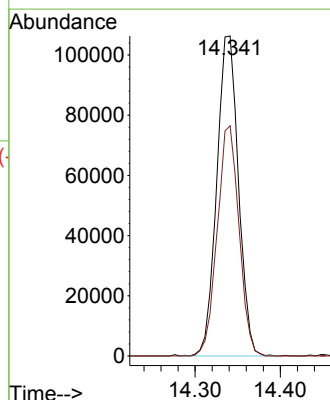
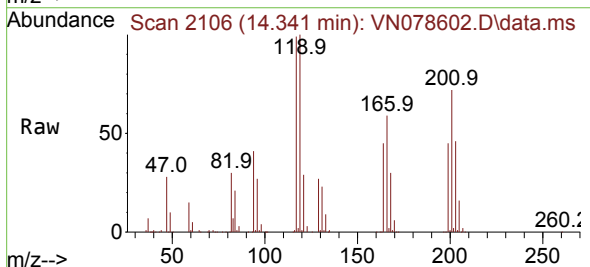
Acq: 20 Jul 2023 18:46

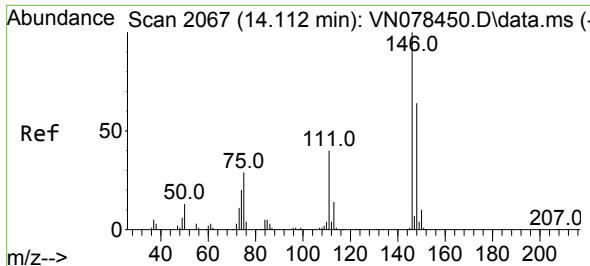
Tgt Ion: 117 Resp: 188024

Ion Ratio Lower Upper

117 100

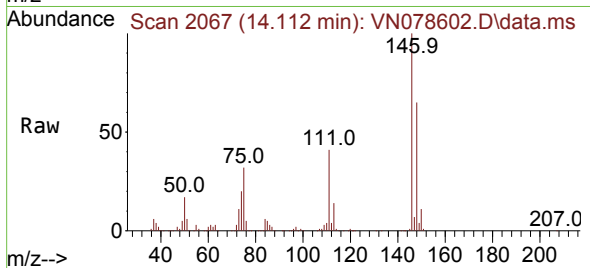
201 72.2 29.3 88.0



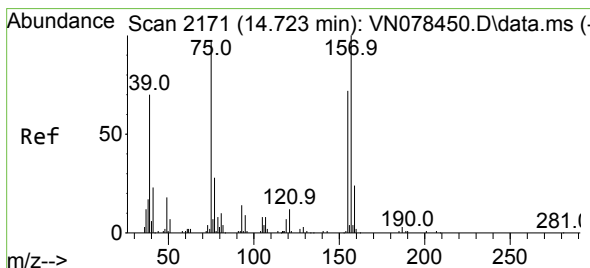
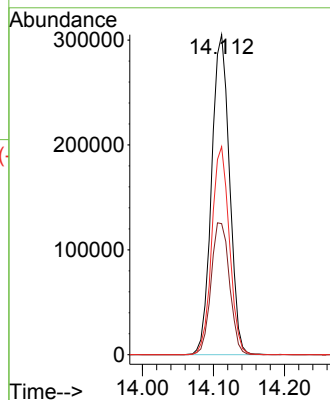
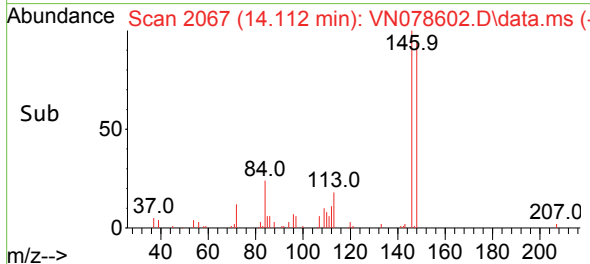


#91  
 1,2-Dichlorobenzene  
 Concen: 45.149 ug/l  
 RT: 14.112 min Scan# 2067  
 Delta R.T. -0.000 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

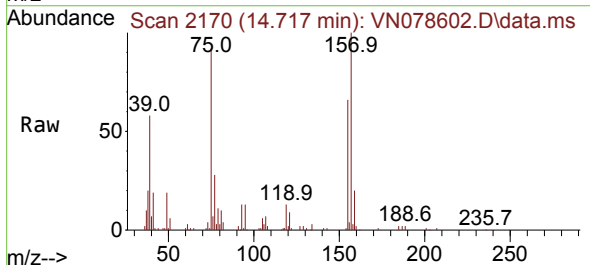
Instrument :  
 MSVOA\_N  
 ClientSampleId :



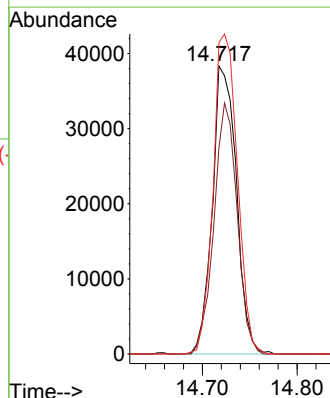
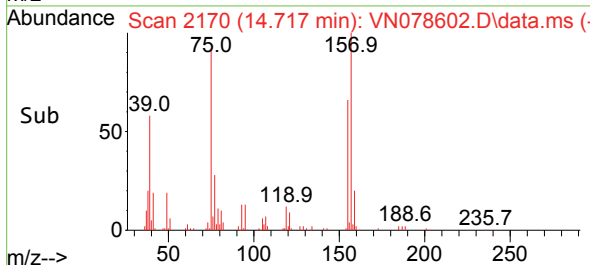
Tgt Ion:146 Resp: 532682  
 Ion Ratio Lower Upper  
 146 100  
 111 42.5 22.0 66.0  
 148 63.8 31.8 95.3

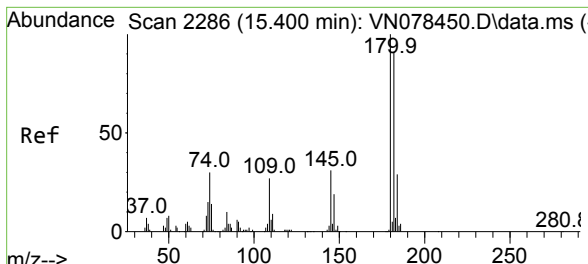


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.553 ug/l  
 RT: 14.717 min Scan# 2170  
 Delta R.T. -0.006 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46



Tgt Ion: 75 Resp: 67599  
 Ion Ratio Lower Upper  
 75 100  
 155 83.9 39.1 117.2  
 157 112.2 50.3 150.9

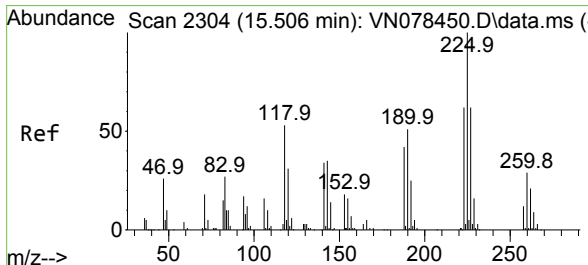
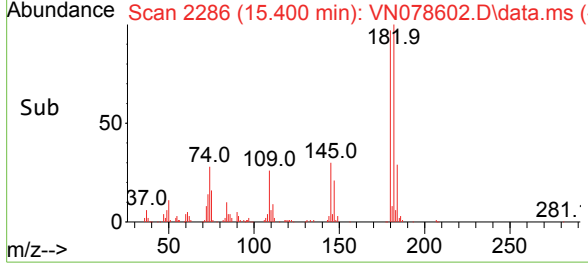
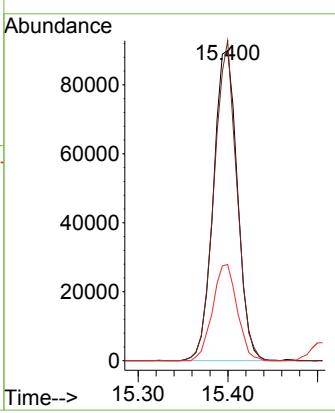
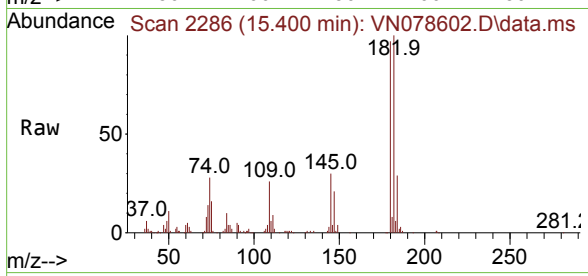




#93  
 1,2,4-Trichlorobenzene  
 Concen: 44.441 ug/l  
 RT: 15.400 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

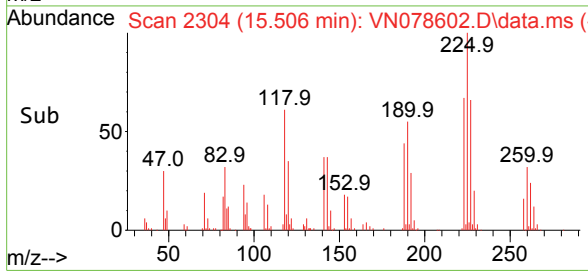
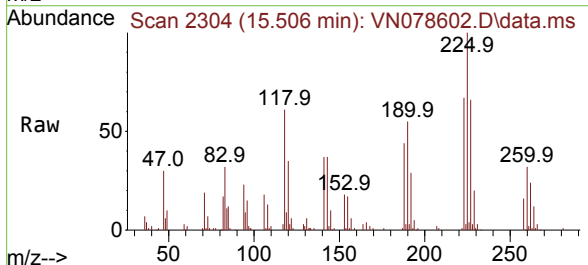
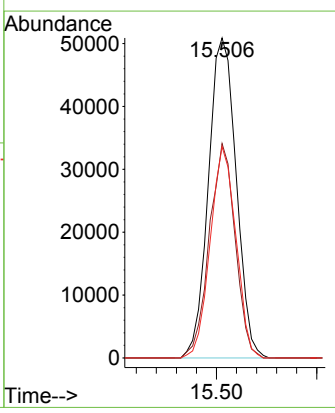
Instrument :  
 MSVOA\_N  
 ClientSampleId :

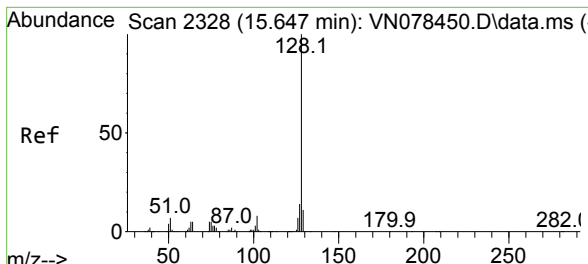
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 167339 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.9  | 46.1  | 138.2  |
| 145       | 31.7  | 16.6  | 49.8   |



#94  
 Hexachlorobutadiene  
 Concen: 50.291 ug/l  
 RT: 15.506 min Scan# 2304  
 Delta R.T. -0.000 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 97917 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.3  | 31.3  | 93.8  |
| 227       | 60.9  | 31.9  | 95.9  |

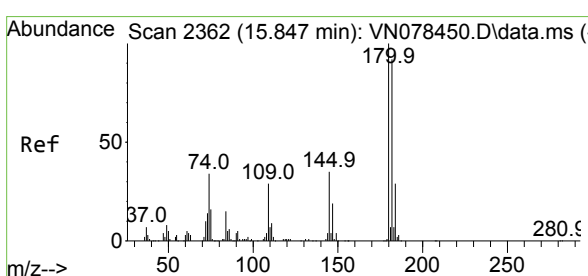
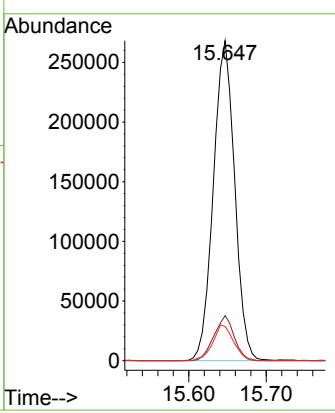
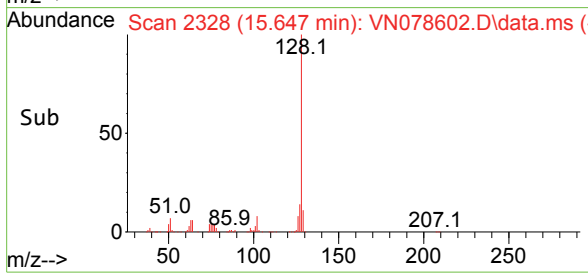
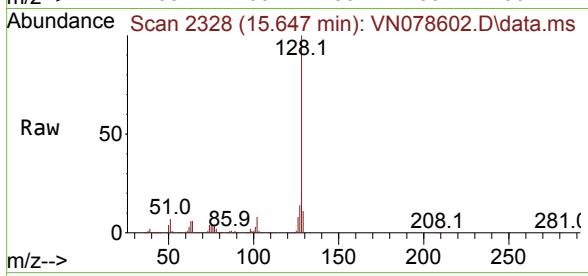




#95  
 Naphthalene  
 Concen: 39.771 ug/l  
 RT: 15.647 min Scan# 2328  
 Delta R.T. -0.000 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 511957 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.4  | 10.0  | 15.0   |
| 129      | 10.9  | 8.7   | 13.1   |



#96  
 1,2,3-Trichlorobenzene  
 Concen: 43.218 ug/l  
 RT: 15.841 min Scan# 2361  
 Delta R.T. -0.006 min  
 Lab File: VN078602.D  
 Acq: 20 Jul 2023 18:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 187121 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.2  | 46.2  | 138.6  |
| 145      | 35.0  | 17.5  | 52.6   |

