

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031423\  
 Data File : VN076980.D  
 Acq On : 14 Mar 2023 14:20  
 Operator : JC\MD  
 Sample : VN0314WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0314WBSD01

Quant Time: Mar 15 04:22:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 10 13:47:39 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.231  | 168   | 255048   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.107  | 114   | 381271   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.866 | 117   | 341364   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.795 | 152   | 167818   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.584  | 65    | 192441   | 50.562   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 101.120% |
| 35) Dibromofluoromethane     | 8.178  | 113   | 123630   | 48.653   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 97.300%  |
| 50) Toluene-d8               | 10.572 | 98    | 438202   | 46.792   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 93.580%  |
| 62) 4-Bromofluorobenzene     | 12.854 | 95    | 178614   | 52.144   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 104.280% |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.143  | 85    | 93650    | 20.386   | ug/l   | 98       |
| 3) Chloromethane             | 2.378  | 50    | 32023    | 12.882   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.531  | 62    | 36794    | 15.945   | ug/l   | 93       |
| 5) Bromomethane              | 2.972  | 94    | 35250    | 20.768   | ug/l   | 86       |
| 6) Chloroethane              | 3.137  | 64    | 25005    | 17.070   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.513  | 101   | 130593   | 21.811   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.978  | 74    | 31538    | 16.372   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.384  | 101   | 55062    | 18.000   | ug/l   | 90       |
| 10) Methyl Iodide            | 4.607  | 142   | 57174    | 17.857   | ug/l # | 78       |
| 11) Tert butyl alcohol       | 5.531  | 59    | 49915    | 94.276   | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.354  | 96    | 48555    | 17.223   | ug/l   | 90       |
| 13) Acrolein                 | 4.196  | 56    | 31294    | 65.757   | ug/l   | 98       |
| 14) Allyl chloride           | 5.043  | 41    | 56697    | 14.019   | ug/l   | 88       |
| 15) Acrylonitrile            | 5.737  | 53    | 108980   | 72.831   | ug/l   | 96       |
| 16) Acetone                  | 4.437  | 43    | 124650   | 94.514   | ug/l # | 87       |
| 17) Carbon Disulfide         | 4.725  | 76    | 122322   | 15.664   | ug/l   | 97       |
| 18) Methyl Acetate           | 5.037  | 43    | 67636    | 13.906   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.807  | 73    | 204275   | 20.378   | ug/l   | 91       |
| 20) Methylene Chloride       | 5.296  | 84    | 53510    | 15.780   | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 5.801  | 96    | 50356    | 16.849   | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.690  | 45    | 130648   | 14.602   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.619  | 43    | 435589   | 79.054   | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.578  | 63    | 93197    | 16.306   | ug/l   | 97       |
| 25) 2-Butanone               | 7.490  | 43    | 140332   | 74.815   | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 7.501  | 77    | 108008   | 21.355   | ug/l   | 92       |
| 27) cis-1,2-Dichloroethene   | 7.495  | 96    | 59339    | 17.206   | ug/l   | 86       |
| 28) Bromochloromethane       | 7.819  | 49    | 36988    | 17.891   | ug/l   | 91       |
| 29) Tetrahydrofuran          | 7.842  | 42    | 80453    | 69.199   | ug/l   | 100      |
| 30) Chloroform               | 7.978  | 83    | 117701   | 19.166   | ug/l   | 100      |
| 31) Cyclohexane              | 8.266  | 56    | 81706    | 14.963   | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 8.172  | 97    | 126739   | 22.013   | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.372  | 75    | 79804    | 20.306   | ug/l   | 95       |
| 37) Ethyl Acetate            | 7.566  | 43    | 55733    | 17.733   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.372  | 117   | 117948   | 25.643   | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.607  | 83    | 90421    | 18.954   | ug/l   | 92       |
| 40) Benzene                  | 8.613  | 78    | 216662   | 18.703   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031423\  
 Data File : VN076980.D  
 Acq On : 14 Mar 2023 14:20  
 Operator : JC\MD  
 Sample : VN0314WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0314WBSD01

Quant Time: Mar 15 04:22:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 10 13:47:39 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.790  | 41   | 31861    | 17.037  | ug/l   | 88       |
| 42) 1,2-Dichloroethane        | 8.678  | 62   | 109273   | 24.183  | ug/l   | 90       |
| 43) Isopropyl Acetate         | 8.695  | 43   | 101564   | 18.306  | ug/l   | 95       |
| 44) Trichloroethene           | 9.354  | 130  | 62869    | 21.000  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.625  | 63   | 48188    | 16.907  | ug/l   | 98       |
| 46) Dibromomethane            | 9.713  | 93   | 42440    | 21.321  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.889  | 83   | 97761    | 23.150  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.684  | 41   | 49262    | 18.122  | ug/l   | 82       |
| 49) 1,4-Dioxane               | 9.695  | 88   | 21106    | 410.044 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.448 | 43   | 280598   | 84.193  | ug/l   | 95       |
| 52) Toluene                   | 10.631 | 92   | 143869   | 20.179  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.836 | 75   | 98372    | 23.366  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.319 | 75   | 96786    | 20.933  | ug/l # | 91       |
| 55) 1,1,2-Trichloroethane     | 11.019 | 97   | 56063    | 20.210  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.878 | 69   | 84244    | 20.022  | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 11.166 | 76   | 94803    | 19.381  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.160 | 63   | 98931    | 73.839  | ug/l   | 97       |
| 59) 2-Hexanone                | 11.195 | 43   | 213661   | 87.925  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.360 | 129  | 72951    | 23.870  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.472 | 107  | 58619    | 21.084  | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.101 | 164  | 66098    | 23.924  | ug/l   | 89       |
| 65) Chlorobenzene             | 11.895 | 112  | 153136   | 20.055  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.966 | 131  | 69349    | 23.265  | ug/l   | 94       |
| 67) Ethyl Benzene             | 11.966 | 91   | 291279   | 20.745  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.072 | 106  | 217595   | 41.233  | ug/l   | 83       |
| 69) o-Xylene                  | 12.401 | 106  | 110356   | 21.540  | ug/l   | 82       |
| 70) Styrene                   | 12.413 | 104  | 172658   | 20.860  | ug/l # | 89       |
| 71) Bromoform                 | 12.583 | 173  | 52832    | 24.457  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.701 | 105  | 298687   | 19.974  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.495 | 43   | 82253    | 16.613  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.942 | 83   | 70774    | 16.085  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.995 | 75   | 103187   | 25.362  | ug/l   | 62       |
| 77) Bromobenzene              | 12.983 | 156  | 67900    | 20.311  | ug/l   | 100      |
| 78) n-propylbenzene           | 13.042 | 91   | 323560   | 19.431  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.130 | 91   | 213198   | 19.743  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 272147   | 21.365  | ug/l   | 91       |
| 81) trans-1,4-Dichloro-2-b... | 12.742 | 75   | 22252    | 17.865  | ug/l # | 73       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 206330   | 20.221  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.442 | 119  | 224043   | 20.703  | ug/l   | 86       |
| 84) 1,2,4-Trimethylbenzene    | 13.483 | 105  | 267246   | 20.970  | ug/l   | 91       |
| 85) sec-Butylbenzene          | 13.619 | 105  | 295718   | 19.936  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.736 | 119  | 261186   | 21.804  | ug/l   | 91       |
| 87) 1,3-Dichlorobenzene       | 13.736 | 146  | 125793   | 20.647  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.813 | 146  | 124506   | 20.371  | ug/l   | 95       |
| 89) n-Butylbenzene            | 14.060 | 91   | 198464   | 19.855  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.336 | 117  | 47100    | 20.463  | ug/l   | 73       |
| 91) 1,2-Dichlorobenzene       | 14.107 | 146  | 124059   | 20.269  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.724 | 75   | 20860    | 21.473  | ug/l   | 82       |
| 93) 1,2,4-Trichlorobenzene    | 15.395 | 180  | 75701    | 22.251  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.507 | 225  | 47260    | 26.073  | ug/l   | 97       |
| 95) Naphthalene               | 15.642 | 128  | 212189   | 20.949  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.842 | 180  | 73599    | 22.278  | ug/l   | 98       |

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Data File : VN076980.D  
Acq On : 14 Mar 2023 14:20  
Operator : JC\MD  
Sample : VN0314WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

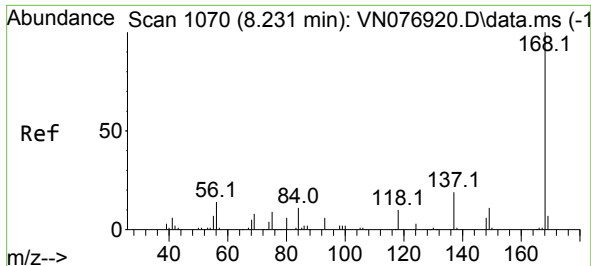
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031023W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 10 13:47:39 2023  
Response via : Initial Calibration

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

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VN0314WBSD01

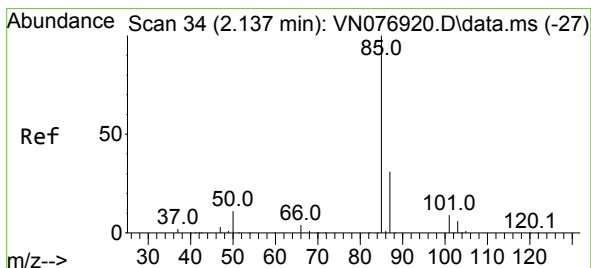
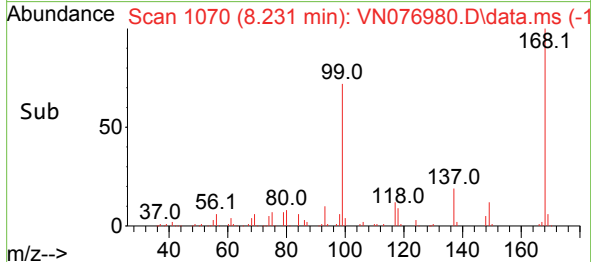
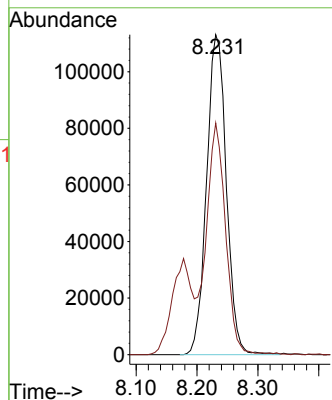
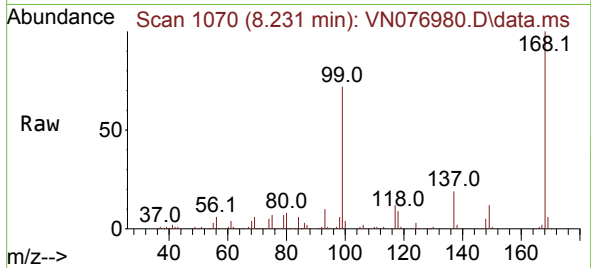
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#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

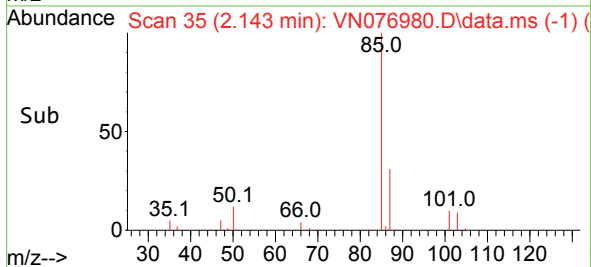
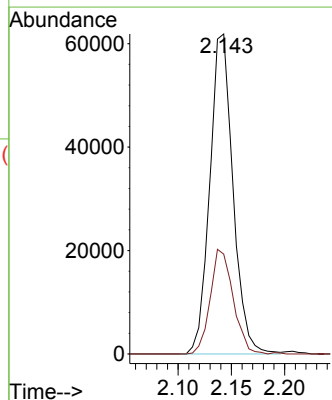
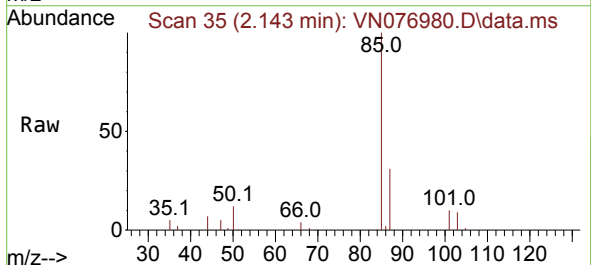
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

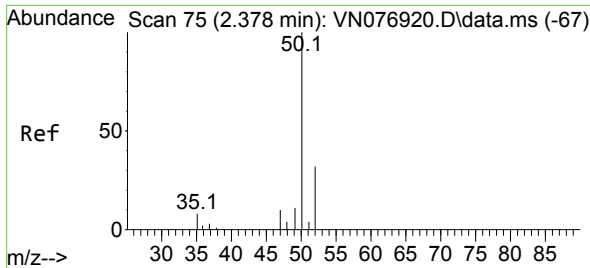
Tgt Ion:168 Resp: 255048  
Ion Ratio Lower Upper  
168 100  
99 72.2 48.6 73.0



#2  
Dichlorodifluoromethane  
Concen: 20.386 ug/l  
RT: 2.143 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 85 Resp: 93650  
Ion Ratio Lower Upper  
85 100  
87 31.2 16.2 48.6

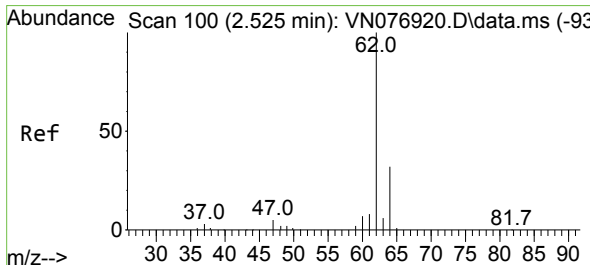
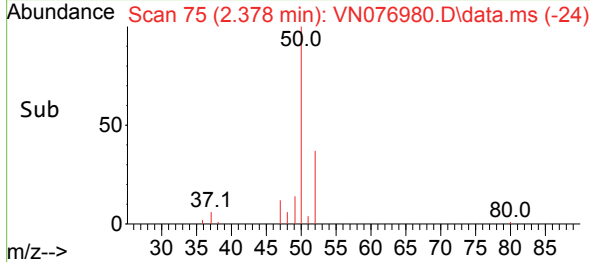
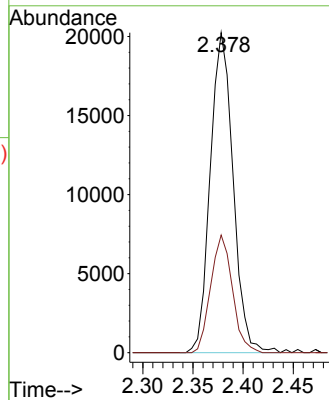
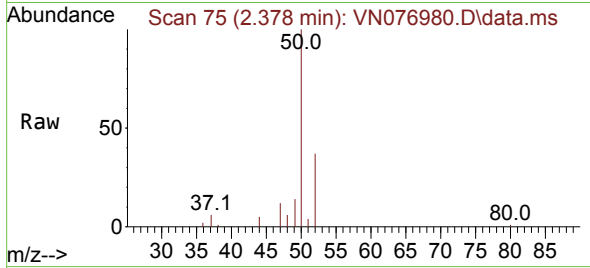




#3  
Chloromethane  
Concen: 12.882 ug/l  
RT: 2.378 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

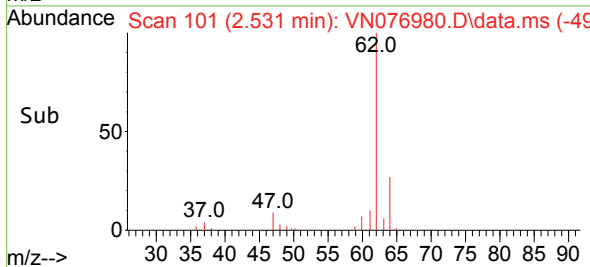
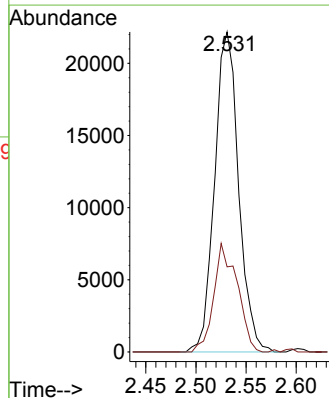
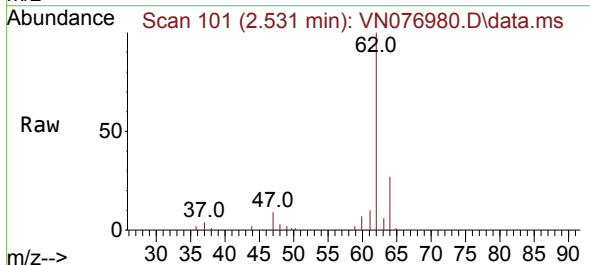
Instrument :  
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ClientSampleId :  
VN0314WBSD01

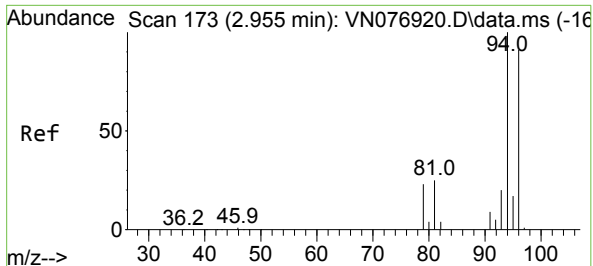
Tgt Ion: 50 Resp: 32023  
Ion Ratio Lower Upper  
50 100  
52 36.7 27.9 41.9



#4  
Vinyl Chloride  
Concen: 15.945 ug/l  
RT: 2.531 min Scan# 101  
Delta R.T. 0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 62 Resp: 36794  
Ion Ratio Lower Upper  
62 100  
64 26.6 24.5 36.7

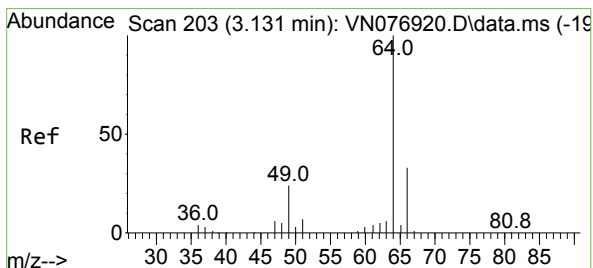
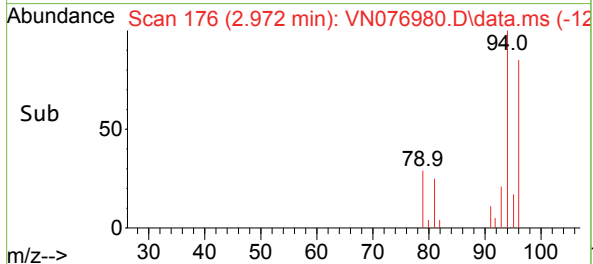
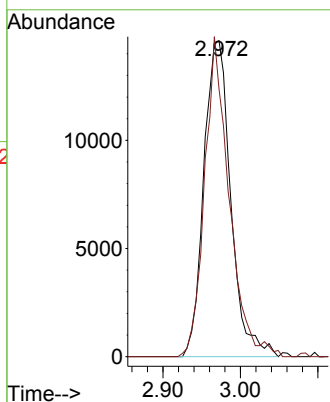
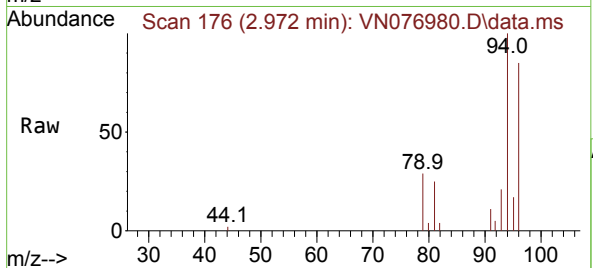




#5  
Bromomethane  
Concen: 20.768 ug/l  
RT: 2.972 min Scan# 11  
Delta R.T. 0.017 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

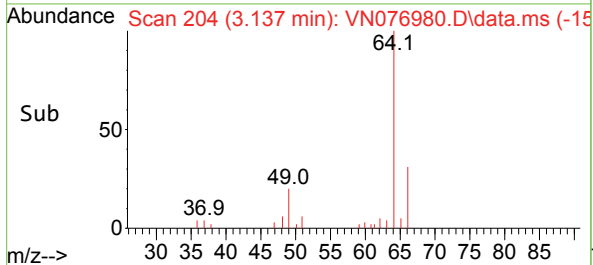
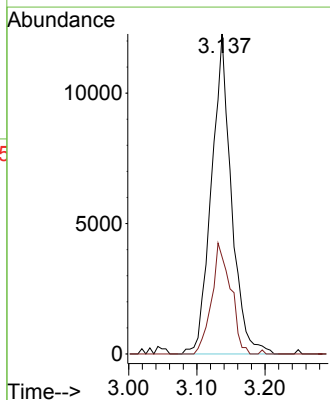
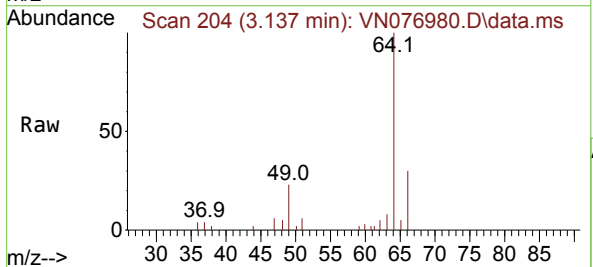
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

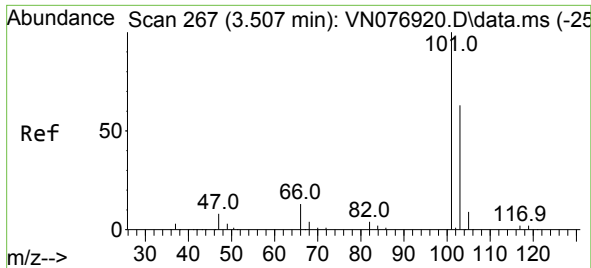
Tgt Ion: 94 Resp: 35250  
Ion Ratio Lower Upper  
94 100  
96 84.8 79.0 118.6



#6  
Chloroethane  
Concen: 17.070 ug/l  
RT: 3.137 min Scan# 204  
Delta R.T. 0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 64 Resp: 25005  
Ion Ratio Lower Upper  
64 100  
66 30.3 26.2 39.4

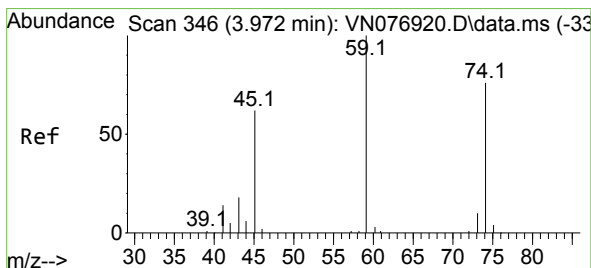
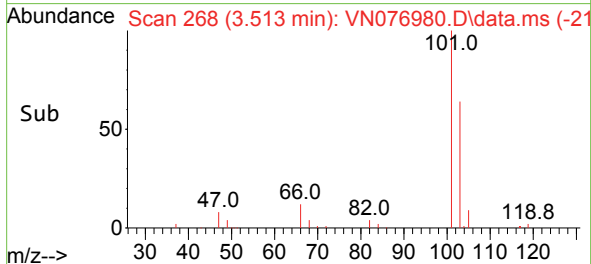
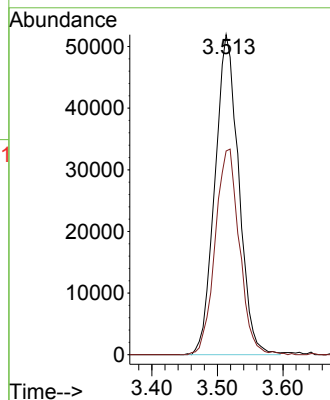
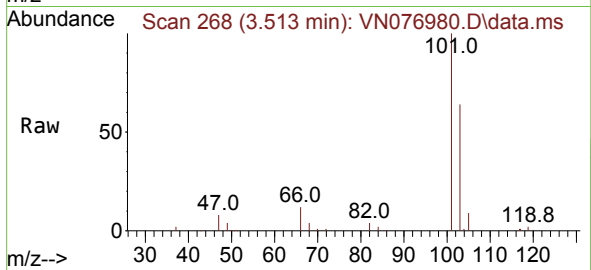




#7  
Trichlorofluoromethane  
Concen: 21.811 ug/l  
RT: 3.513 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

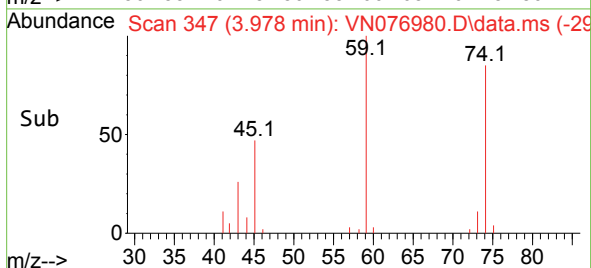
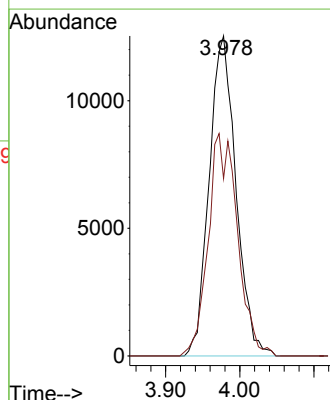
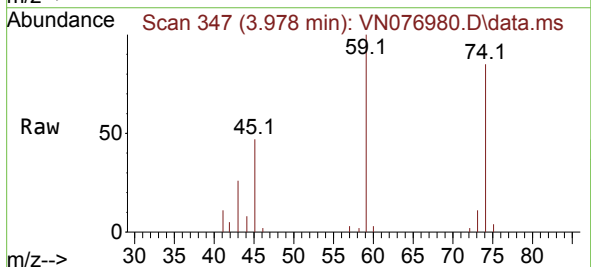
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

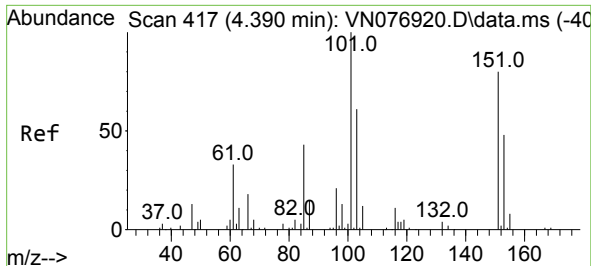
Tgt Ion:101 Resp: 130593  
Ion Ratio Lower Upper  
101 100  
103 63.7 53.4 80.0



#8  
Diethyl Ether  
Concen: 16.372 ug/l  
RT: 3.978 min Scan# 347  
Delta R.T. 0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 74 Resp: 31538  
Ion Ratio Lower Upper  
74 100  
45 75.7 35.5 106.5

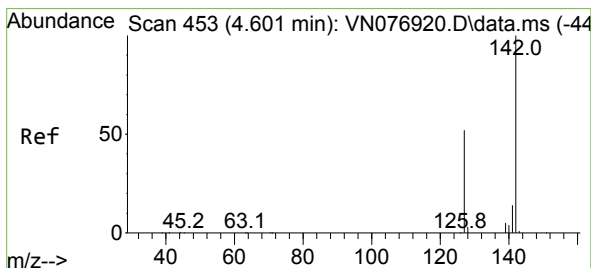
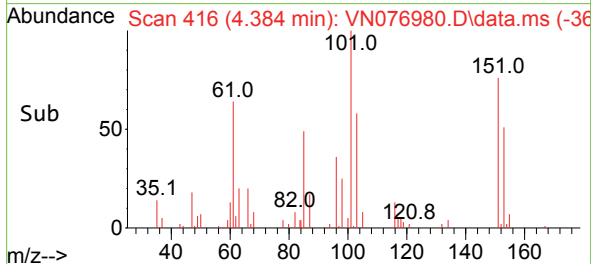
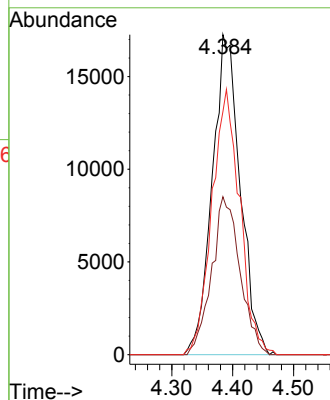
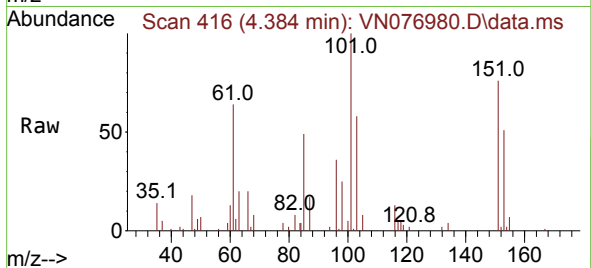




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.000 ug/l  
RT: 4.384 min Scan# 417  
Delta R.T. -0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

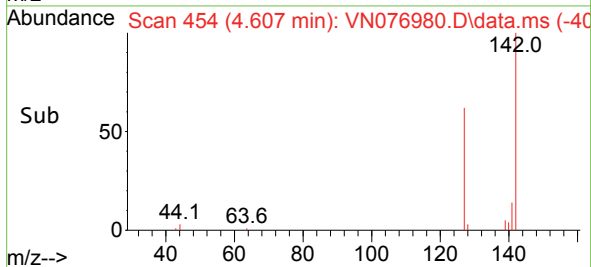
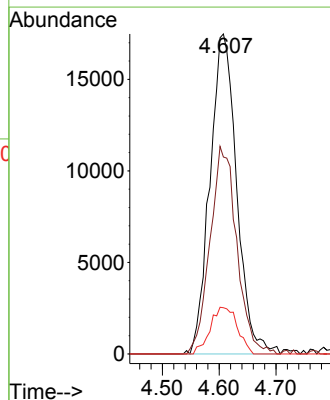
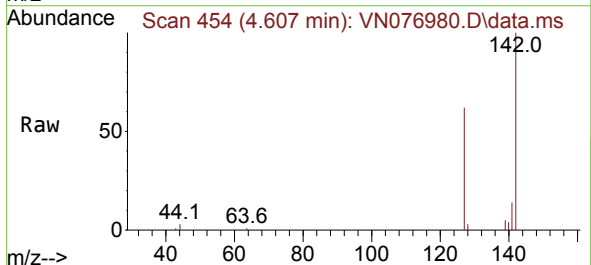
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

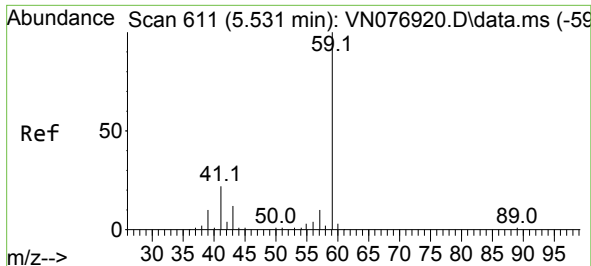
Tgt Ion:101 Resp: 55062  
Ion Ratio Lower Upper  
101 100  
85 50.1 35.2 52.8  
151 82.7 58.9 88.3



#10  
Methyl Iodide  
Concen: 17.857 ug/l  
RT: 4.607 min Scan# 454  
Delta R.T. 0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion:142 Resp: 57174  
Ion Ratio Lower Upper  
142 100  
127 61.6 35.2 52.8#  
141 14.5 10.2 15.2

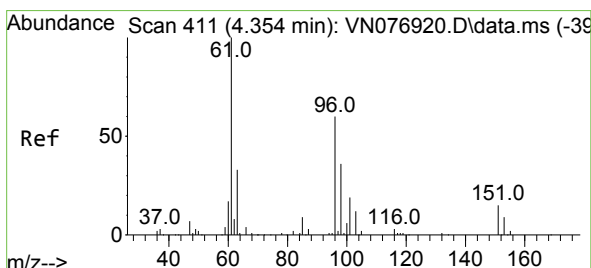
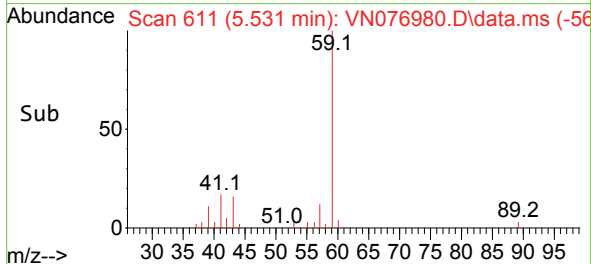
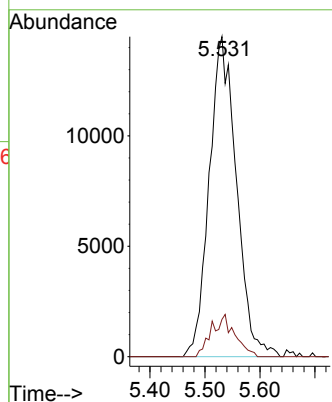
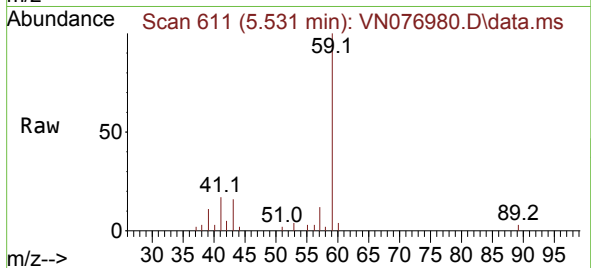




#11  
Tert butyl alcohol  
Concen: 94.276 ug/l  
RT: 5.531 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

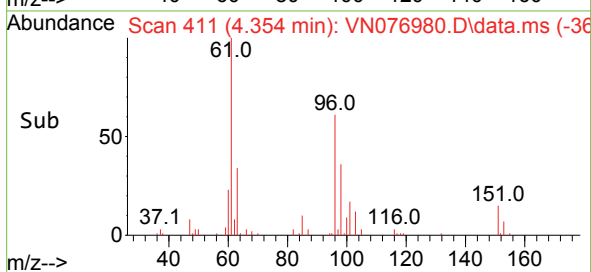
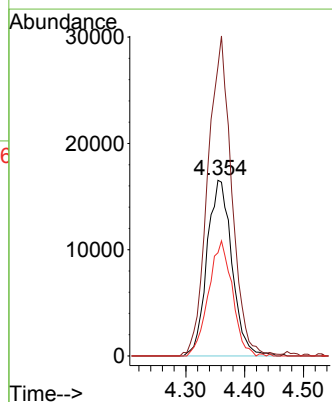
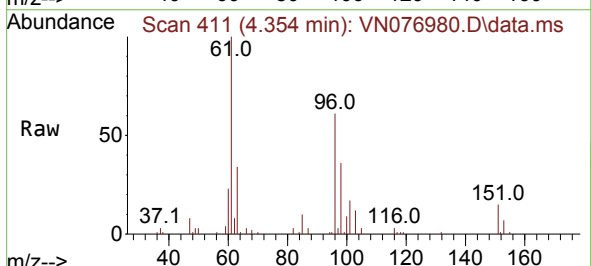
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

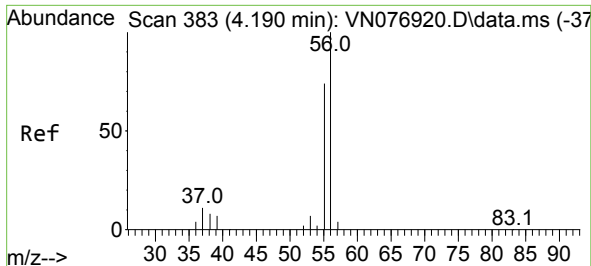
Tgt Ion: 59 Resp: 49915  
Ion Ratio Lower Upper  
59 100  
57 11.2 8.6 12.8



#12  
1,1-Dichloroethene  
Concen: 17.223 ug/l  
RT: 4.354 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 96 Resp: 48555  
Ion Ratio Lower Upper  
96 100  
61 164.8 121.3 181.9  
98 58.8 52.1 78.1





#13

Acrolein

Concen: 65.757 ug/l

RT: 4.196 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

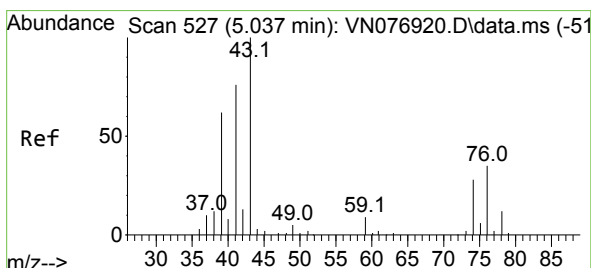
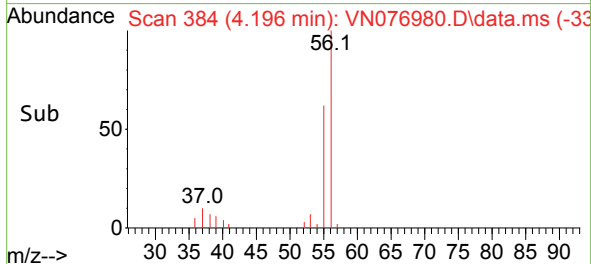
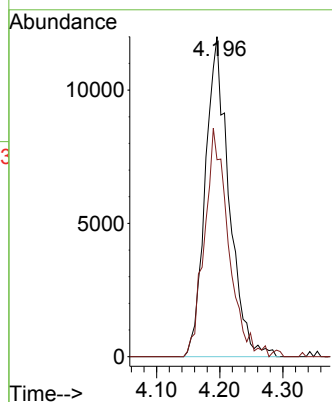
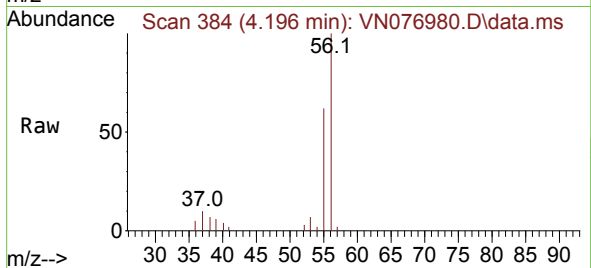
VN0314WBSD01

Tgt Ion: 56 Resp: 31294

Ion Ratio Lower Upper

56 100

55 72.2 56.7 85.1



#14

Allyl chloride

Concen: 14.019 ug/l

RT: 5.043 min Scan# 528

Delta R.T. 0.006 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

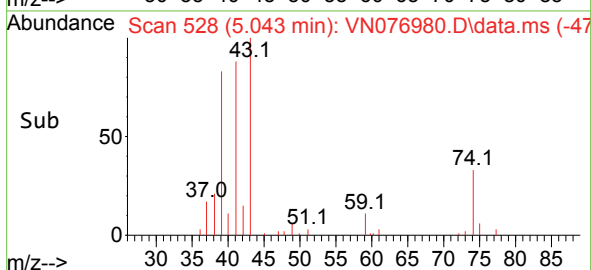
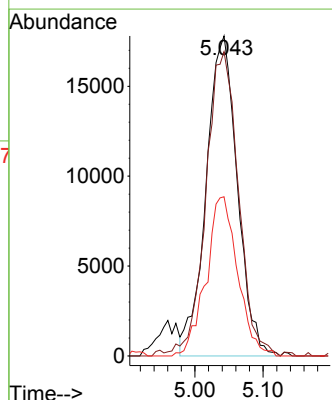
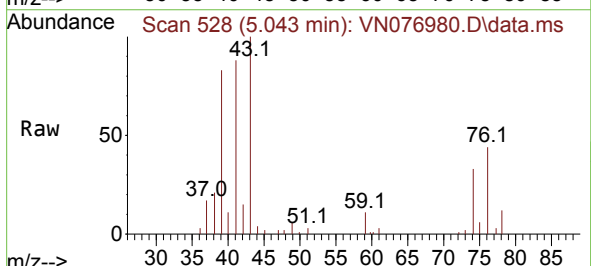
Tgt Ion: 41 Resp: 56697

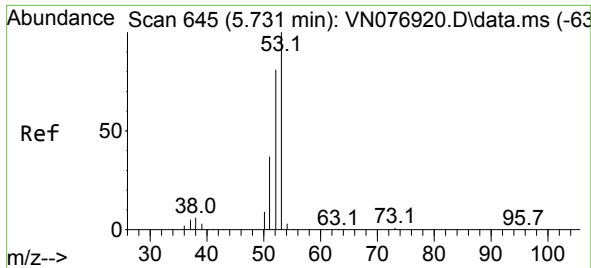
Ion Ratio Lower Upper

41 100

39 98.6 68.1 102.1

76 50.4 44.1 66.1

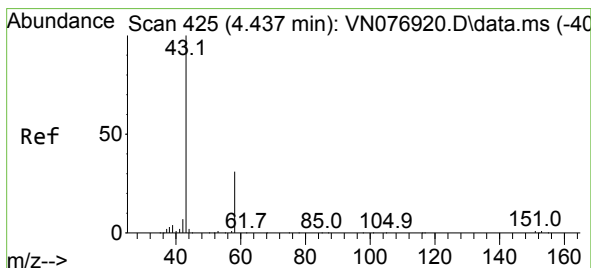
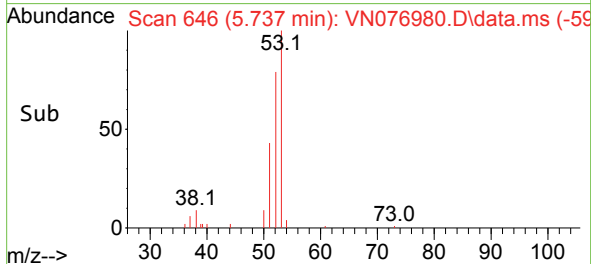
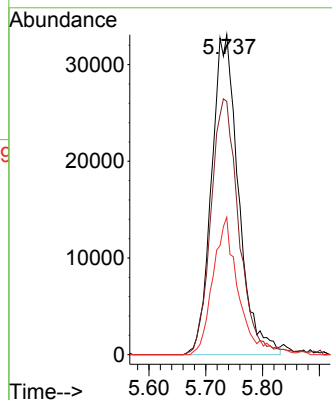
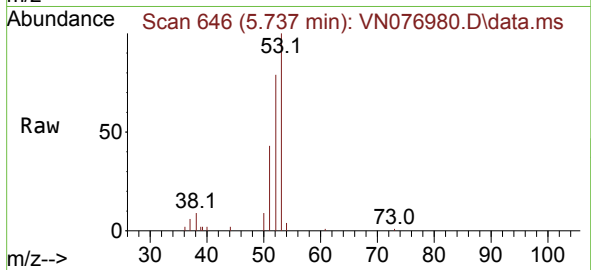




#15  
Acrylonitrile  
Concen: 72.831 ug/l  
RT: 5.737 min Scan# 645  
Delta R.T. 0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

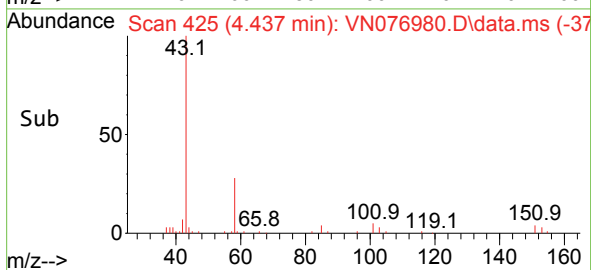
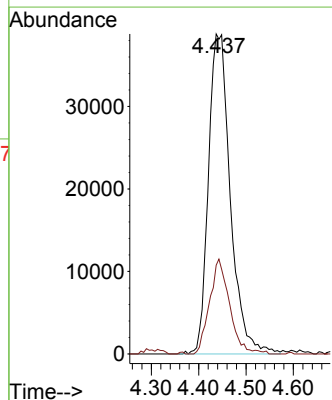
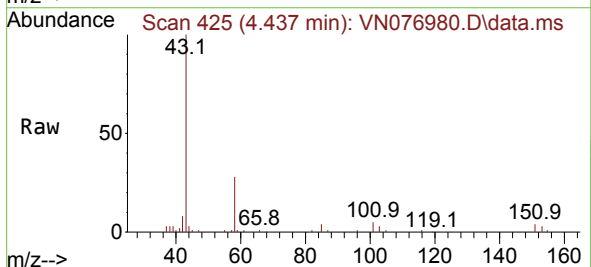
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

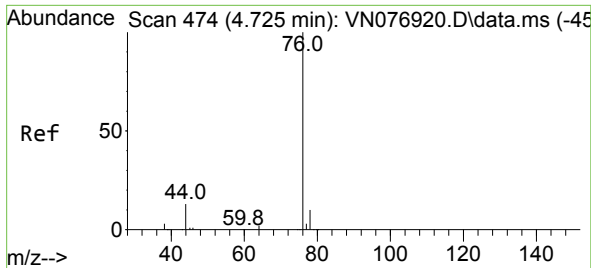
Tgt Ion: 53 Resp: 108980  
Ion Ratio Lower Upper  
53 100  
52 83.2 65.3 97.9  
51 40.9 28.8 43.2



#16  
Acetone  
Concen: 94.514 ug/l  
RT: 4.437 min Scan# 425  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 43 Resp: 124650  
Ion Ratio Lower Upper  
43 100  
58 27.8 28.2 42.2#

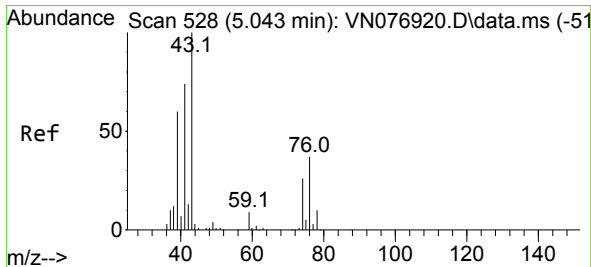
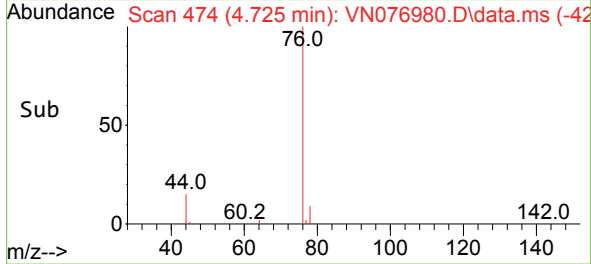
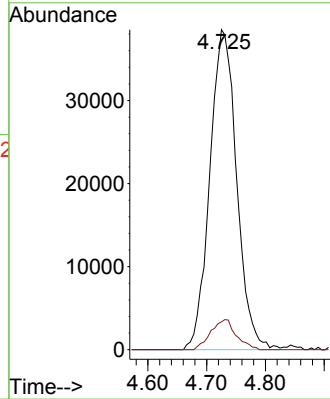
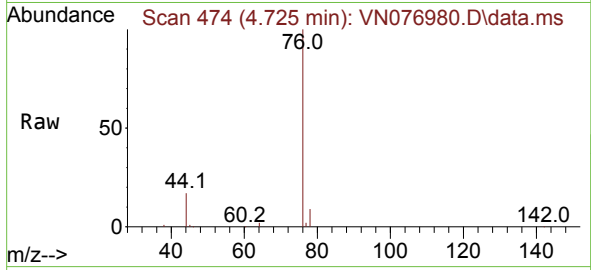




#17  
Carbon Disulfide  
Concen: 15.664 ug/l  
RT: 4.725 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

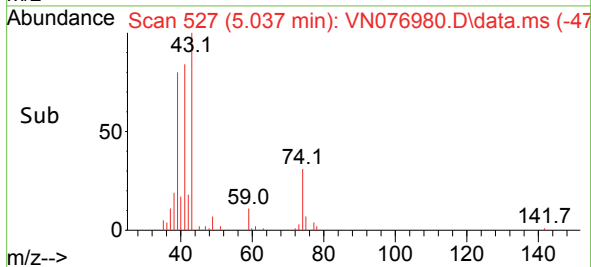
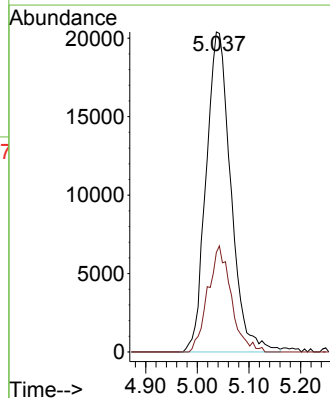
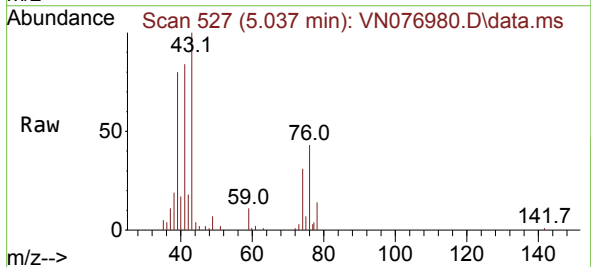
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

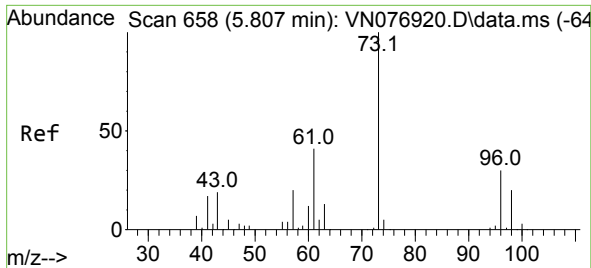
Tgt Ion: 76 Resp: 122322  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.8 11.8



#18  
Methyl Acetate  
Concen: 13.906 ug/l  
RT: 5.037 min Scan# 527  
Delta R.T. -0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 43 Resp: 67636  
Ion Ratio Lower Upper  
43 100  
74 31.4 25.9 38.9

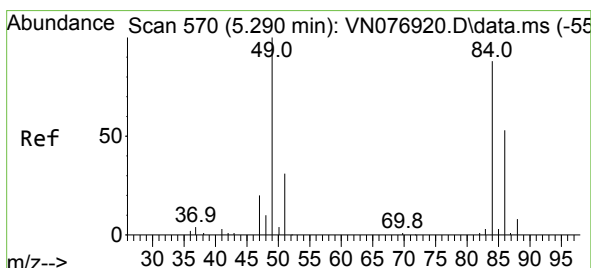
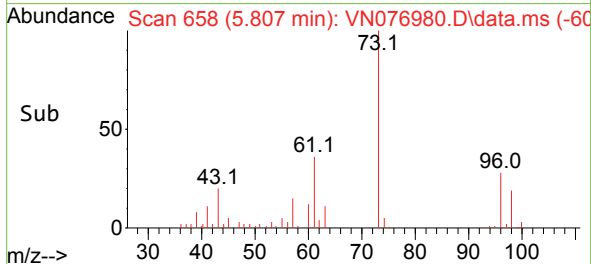
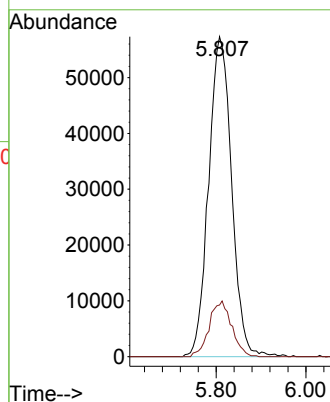
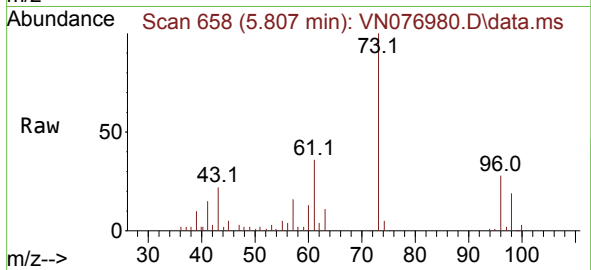




#19  
Methyl tert-butyl Ether  
Concen: 20.378 ug/l  
RT: 5.807 min Scan# 610  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

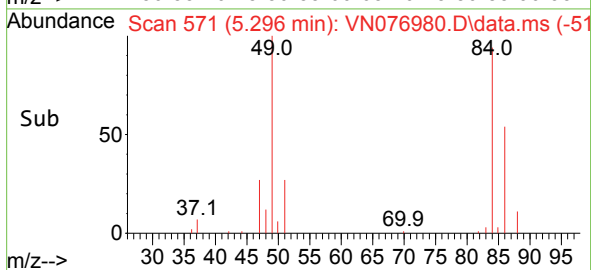
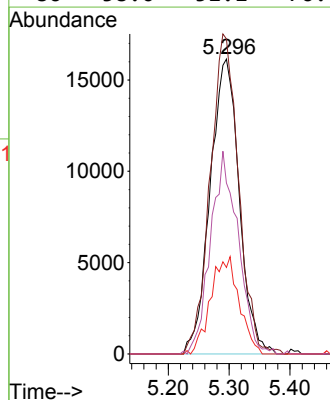
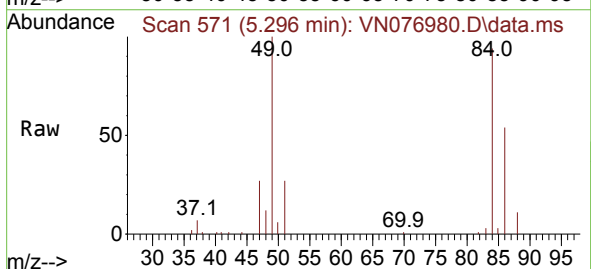
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ClientSampleId :  
VN0314WBSD01

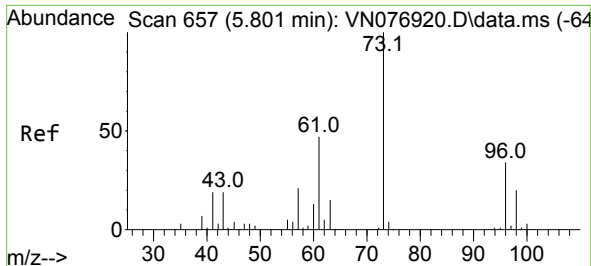
Tgt Ion: 73 Resp: 204275  
Ion Ratio Lower Upper  
73 100  
57 16.2 16.1 24.1



#20  
Methylene Chloride  
Concen: 15.780 ug/l  
RT: 5.296 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 84 Resp: 53510  
Ion Ratio Lower Upper  
84 100  
49 106.8 76.6 114.8  
51 29.3 25.4 38.2  
86 58.0 51.1 76.7

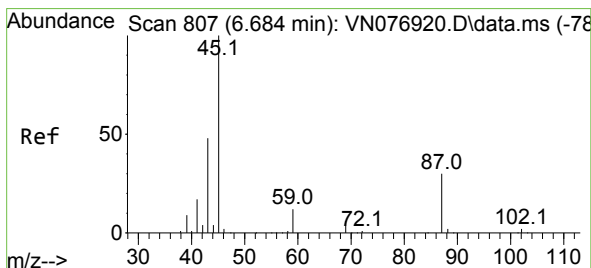
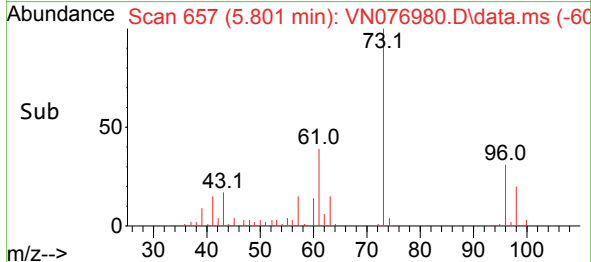
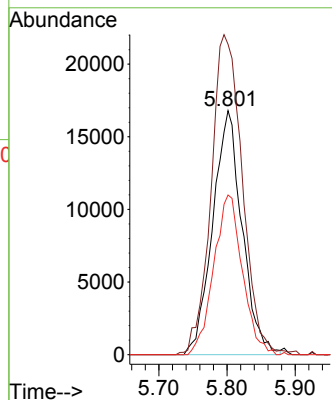
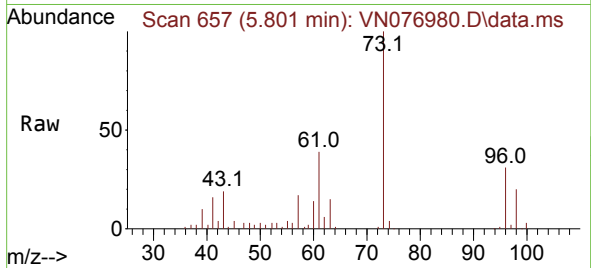




#21  
trans-1,2-Dichloroethene  
Concen: 16.849 ug/l  
RT: 5.801 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

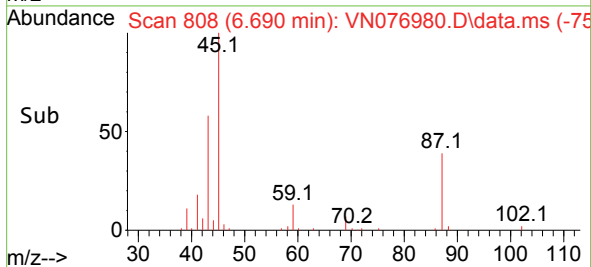
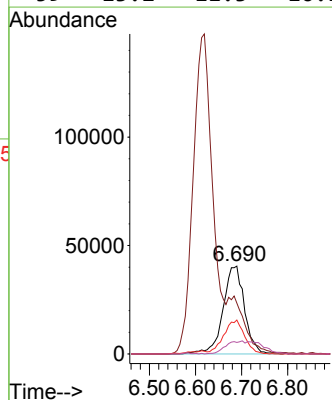
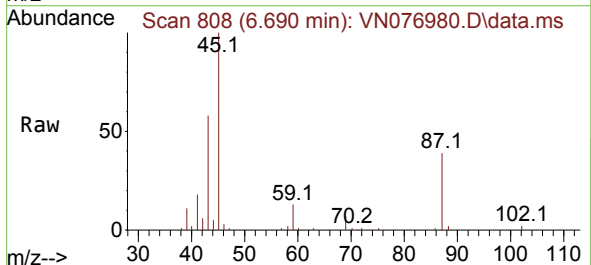
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

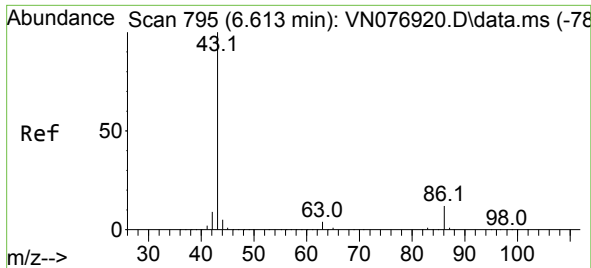
Tgt Ion: 96 Resp: 50356  
Ion Ratio Lower Upper  
96 100  
61 126.3 95.0 142.6  
98 65.4 54.5 81.7



#22  
Diisopropyl ether  
Concen: 14.602 ug/l  
RT: 6.690 min Scan# 808  
Delta R.T. 0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 45 Resp: 130648  
Ion Ratio Lower Upper  
45 100  
43 56.3 42.6 63.8  
87 38.6 29.7 44.5  
59 13.2 11.3 16.9

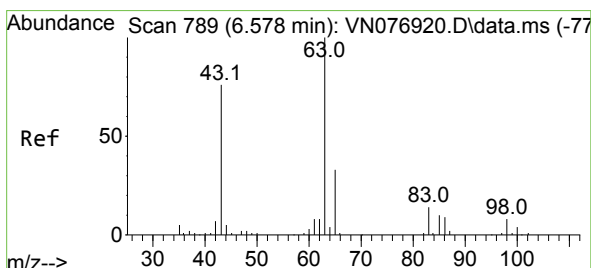
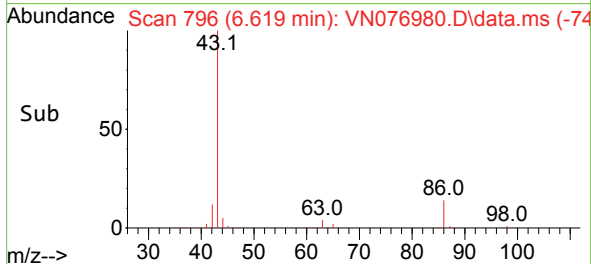
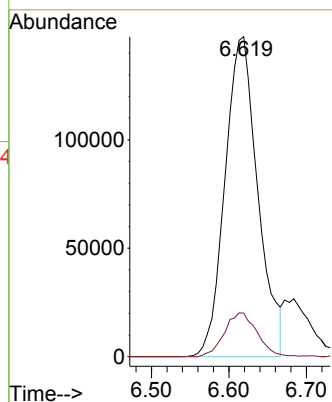
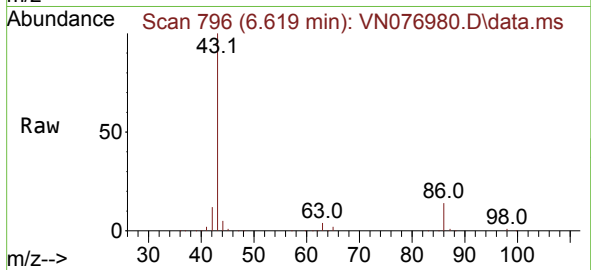




#23  
 Vinyl Acetate  
 Concen: 79.054 ug/l  
 RT: 6.619 min Scan# 795  
 Delta R.T. 0.006 min  
 Lab File: VN076980.D  
 Acq: 14 Mar 2023 14:20

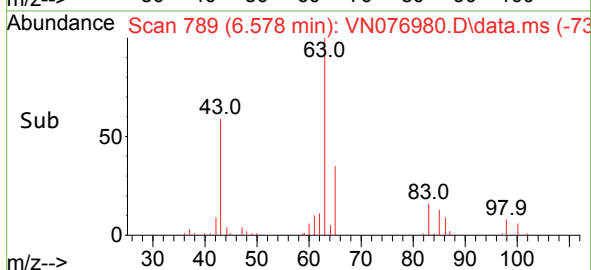
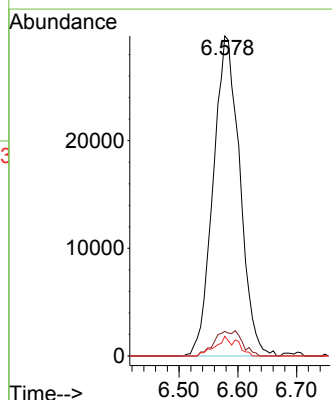
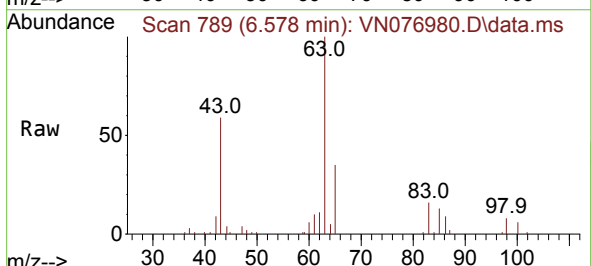
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0314WBSD01

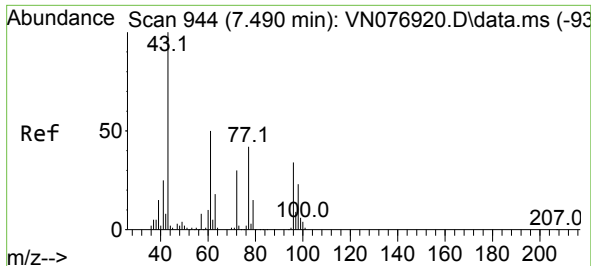
Tgt Ion: 43 Resp: 435589  
 Ion Ratio Lower Upper  
 43 100  
 86 13.6 11.8 17.6



#24  
 1,1-Dichloroethane  
 Concen: 16.306 ug/l  
 RT: 6.578 min Scan# 789  
 Delta R.T. -0.000 min  
 Lab File: VN076980.D  
 Acq: 14 Mar 2023 14:20

Tgt Ion: 63 Resp: 93197  
 Ion Ratio Lower Upper  
 63 100  
 98 7.6 4.2 12.6  
 100 6.1 2.2 6.6

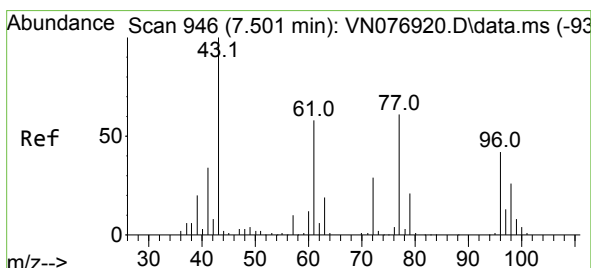
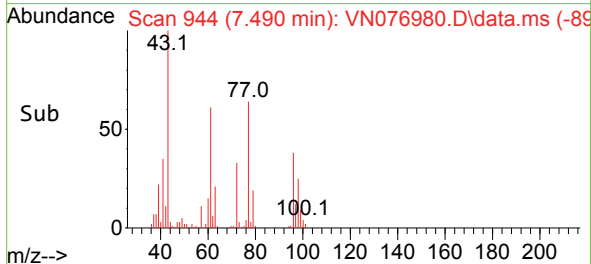
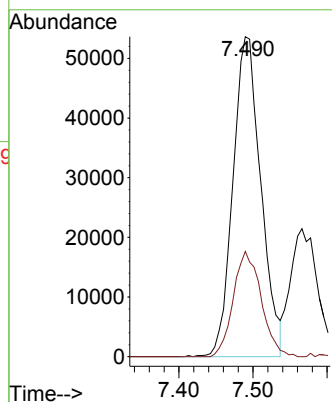
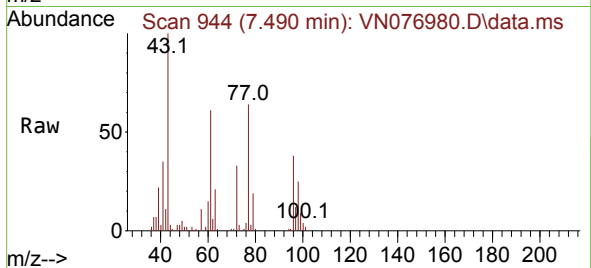




#25  
2-Butanone  
Concen: 74.815 ug/l  
RT: 7.490 min Scan# 944  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

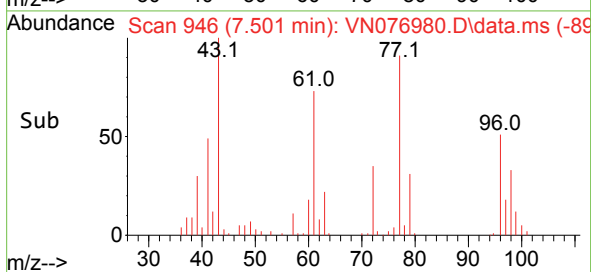
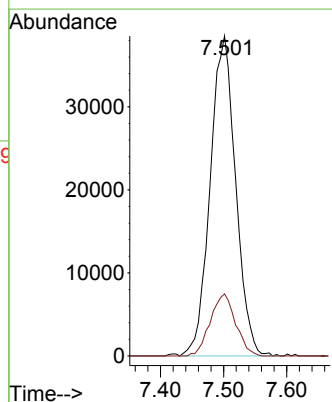
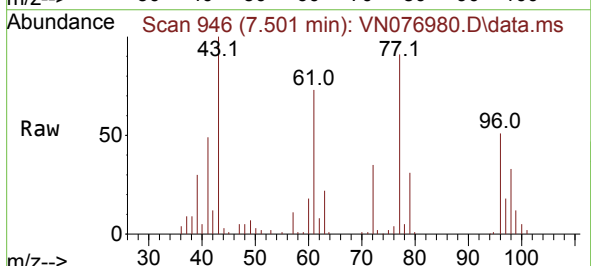
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

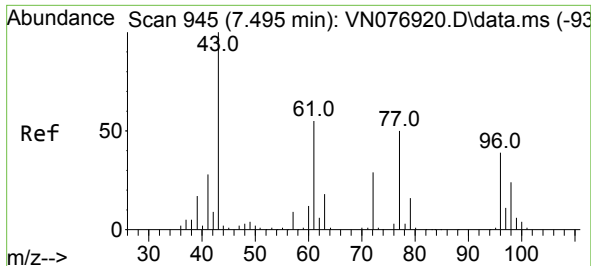
Tgt Ion: 43 Resp: 140332  
Ion Ratio Lower Upper  
43 100  
72 32.9 28.8 43.2



#26  
2,2-Dichloropropane  
Concen: 21.355 ug/l  
RT: 7.501 min Scan# 946  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 77 Resp: 108008  
Ion Ratio Lower Upper  
77 100  
97 19.3 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 17.206 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBSD01

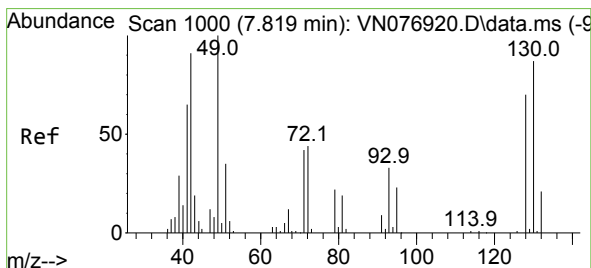
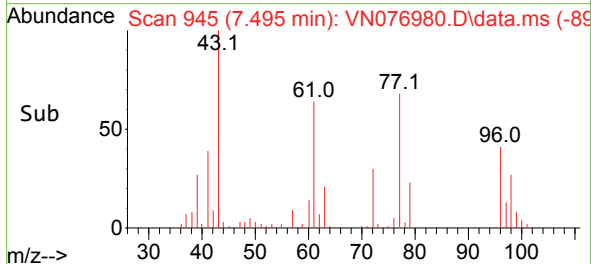
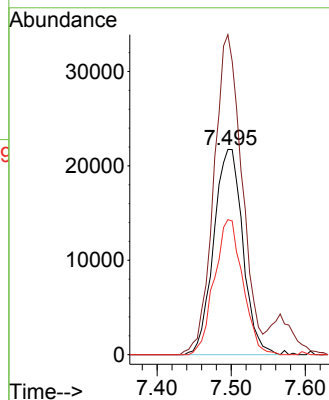
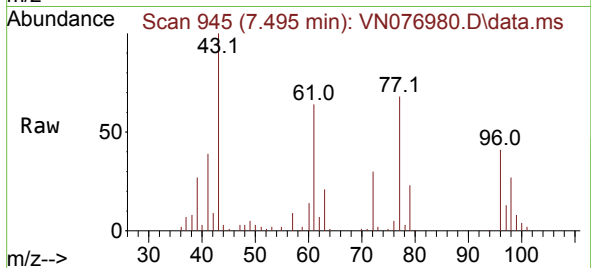
Tgt Ion: 96 Resp: 59339

Ion Ratio Lower Upper

96 100

61 150.7 0.0 255.6

98 64.4 0.0 127.4



#28

Bromochloromethane

Concen: 17.891 ug/l

RT: 7.819 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

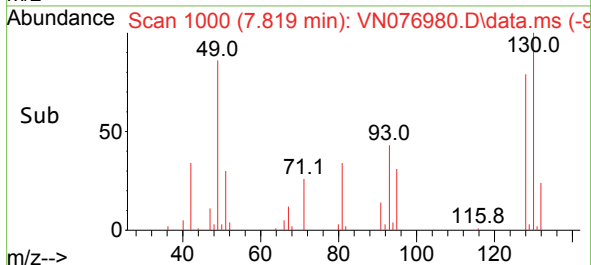
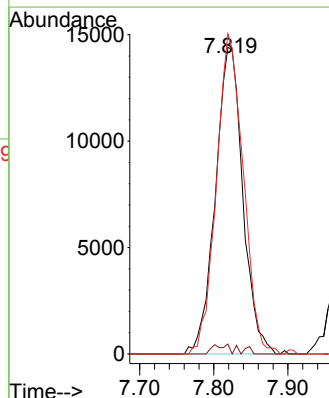
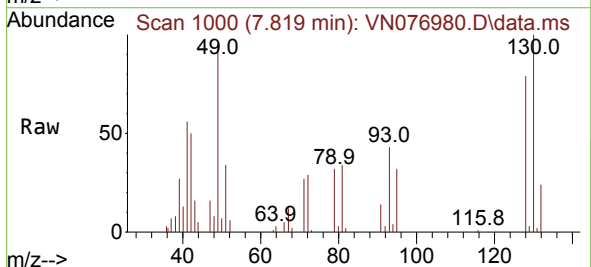
Tgt Ion: 49 Resp: 36988

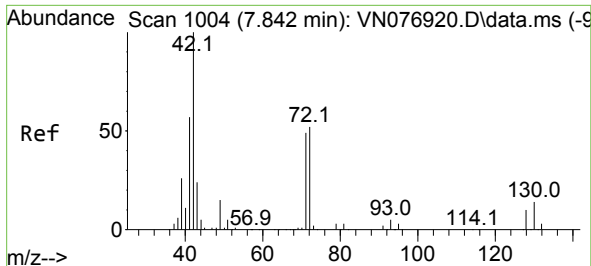
Ion Ratio Lower Upper

49 100

129 1.7 0.0 4.6

130 102.5 74.8 112.2





#29

Tetrahydrofuran

Concen: 69.199 ug/l

RT: 7.842 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBSD01

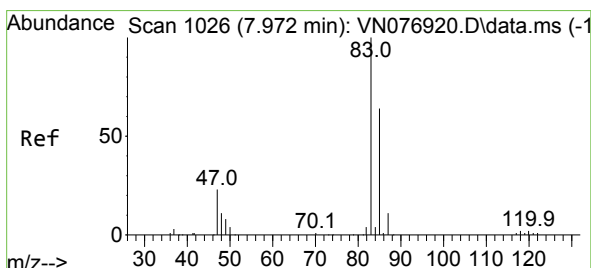
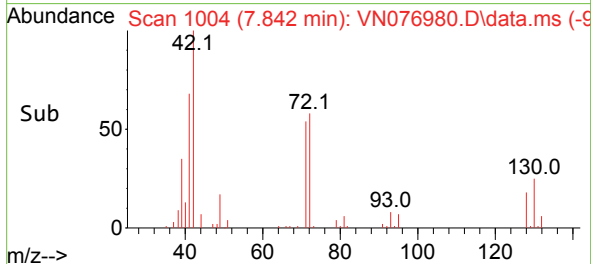
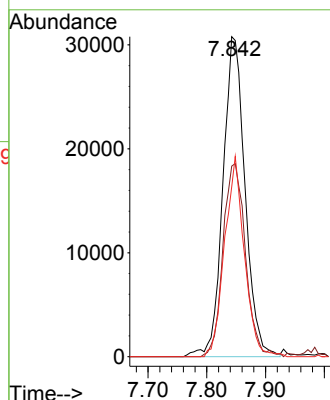
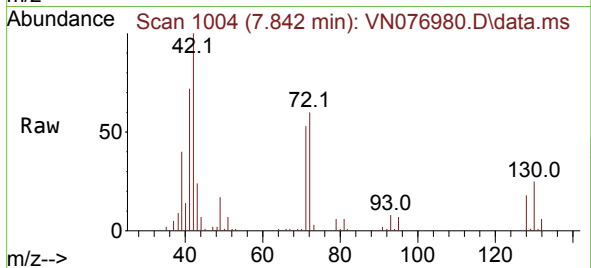
Tgt Ion: 42 Resp: 80453

Ion Ratio Lower Upper

42 100

72 61.2 48.6 73.0

71 56.1 45.1 67.7



#30

Chloroform

Concen: 19.166 ug/l

RT: 7.978 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VN076980.D

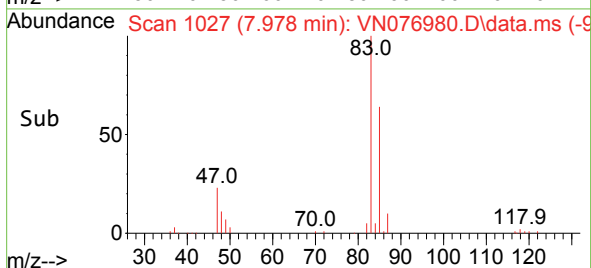
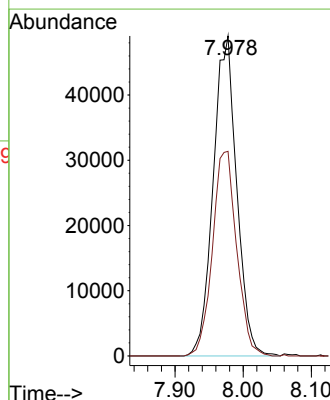
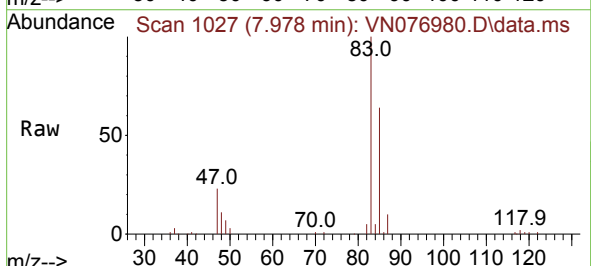
Acq: 14 Mar 2023 14:20

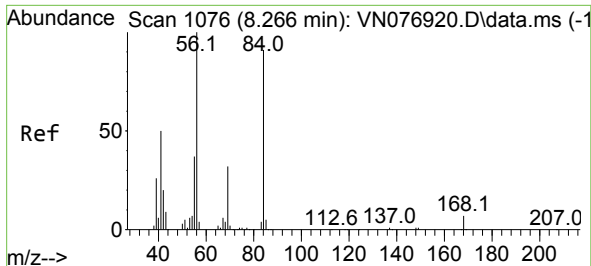
Tgt Ion: 83 Resp: 117701

Ion Ratio Lower Upper

83 100

85 64.0 51.3 76.9

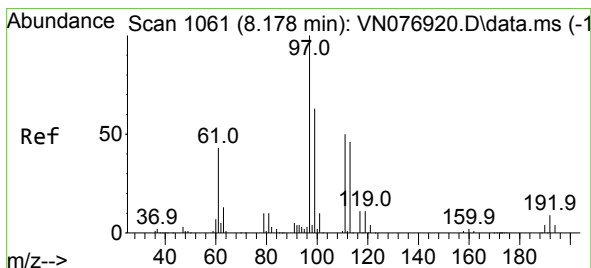
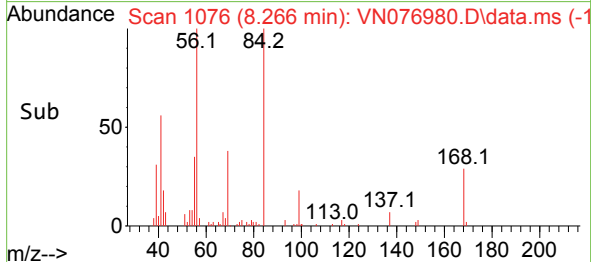
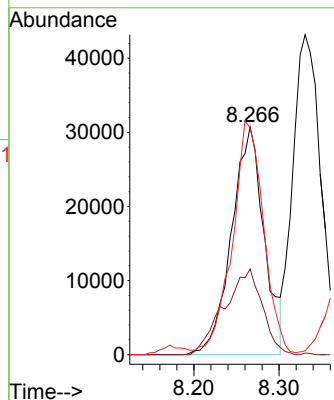
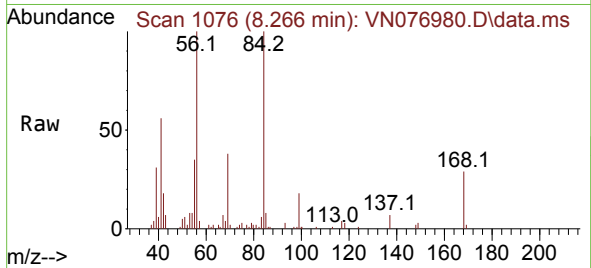




#31  
Cyclohexane  
Concen: 14.963 ug/l  
RT: 8.266 min Scan# 1076  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

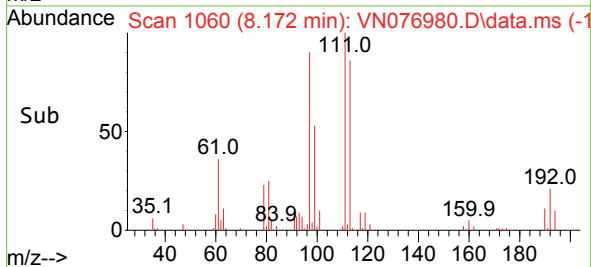
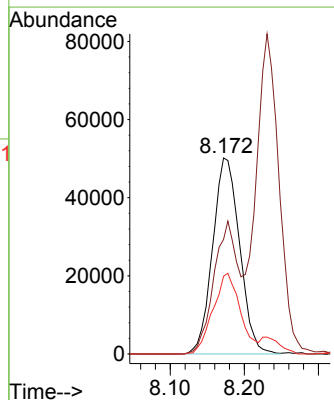
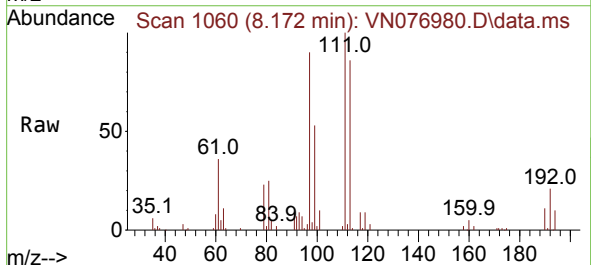
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

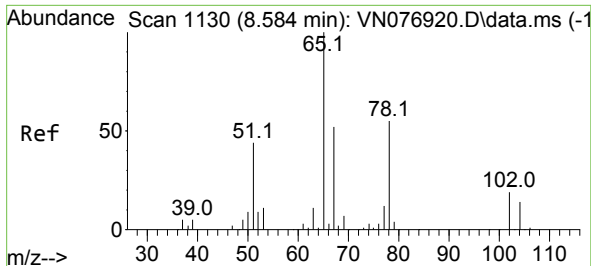
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 81706 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 37.6  | 27.0  | 40.6  |
| 84        | 96.8  | 82.9  | 124.3 |



#32  
1,1,1-Trichloroethane  
Concen: 22.013 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 126739 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 59.7  | 51.2  | 76.8   |
| 61        | 41.9  | 35.7  | 53.5   |





#33

1,2-Dichloroethane-d4

Concen: 50.562 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

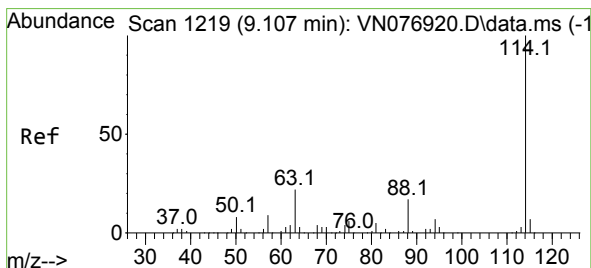
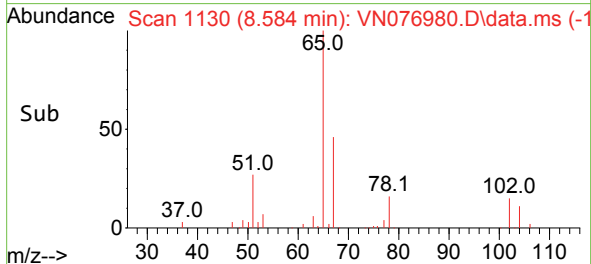
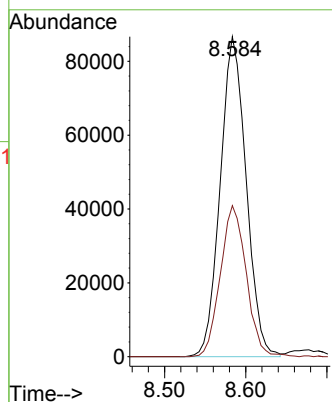
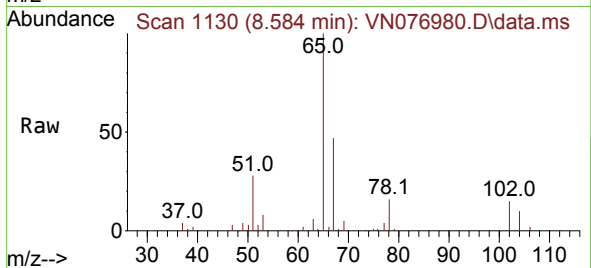
VN0314WBSD01

Tgt Ion: 65 Resp: 192441

Ion Ratio Lower Upper

65 100

67 47.1 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

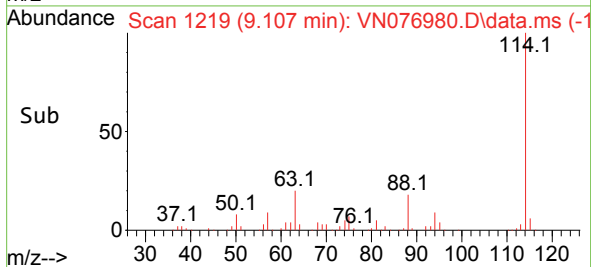
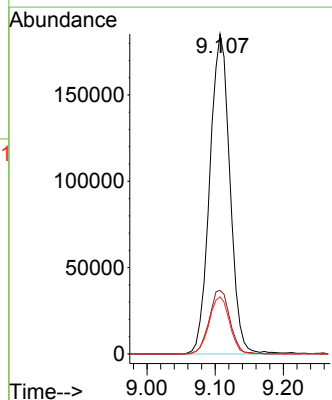
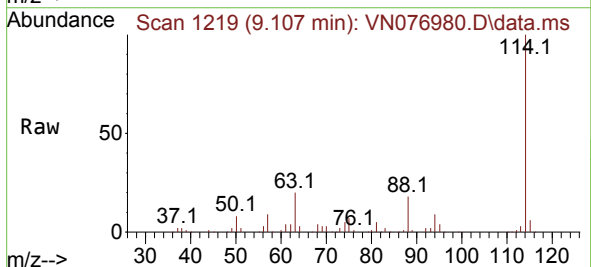
Tgt Ion: 114 Resp: 381271

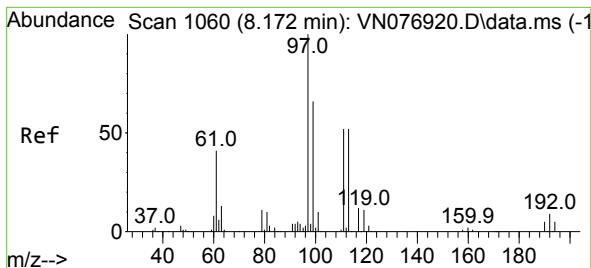
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.6

88 17.9 0.0 28.6





#35

Dibromofluoromethane

Concen: 48.653 ug/l

RT: 8.178 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBSD01

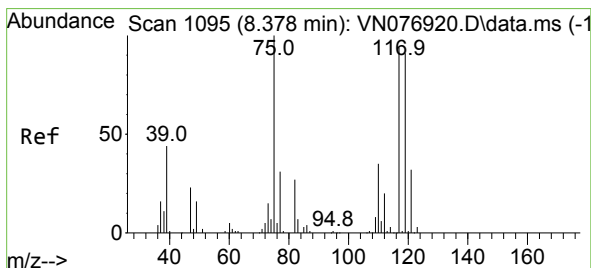
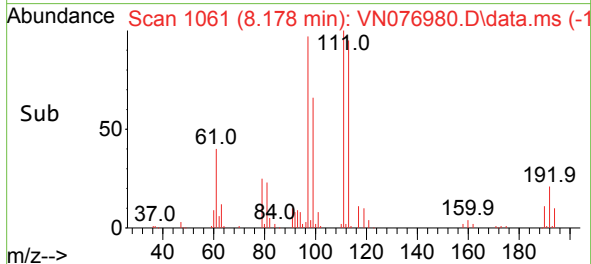
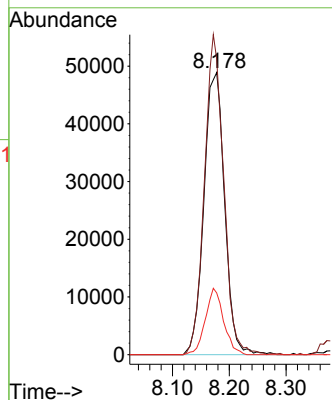
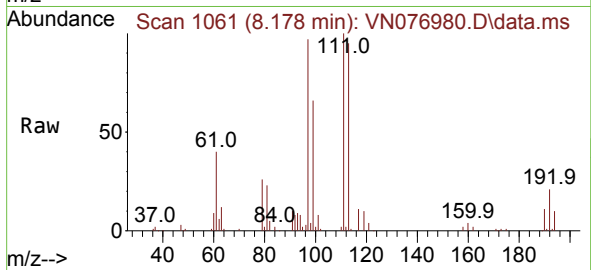
Tgt Ion:113 Resp: 123630

Ion Ratio Lower Upper

113 100

111 105.2 81.8 122.8

192 20.8 13.9 20.9



#36

1,1-Dichloropropene

Concen: 20.306 ug/l

RT: 8.372 min Scan# 1094

Delta R.T. -0.006 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

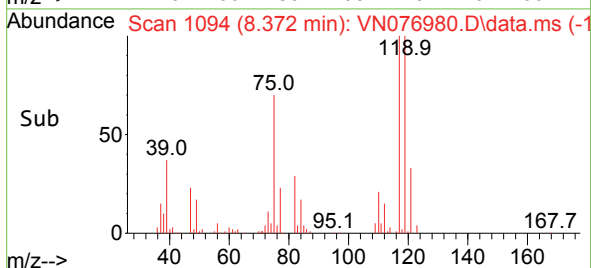
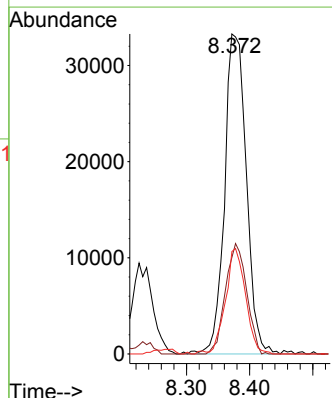
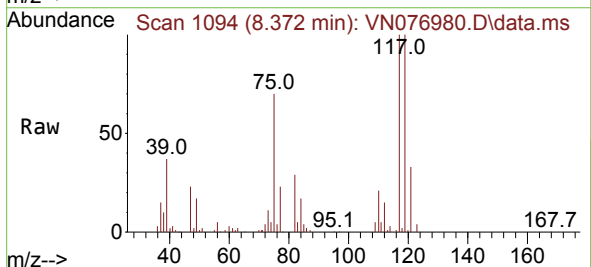
Tgt Ion: 75 Resp: 79804

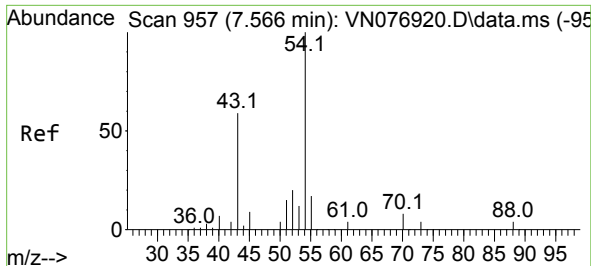
Ion Ratio Lower Upper

75 100

110 33.6 18.9 56.9

77 30.2 24.9 37.3

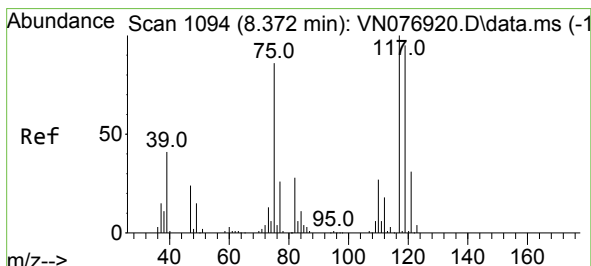
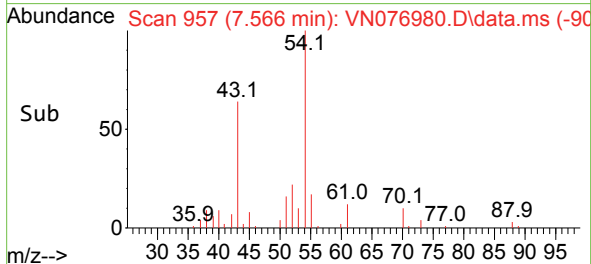
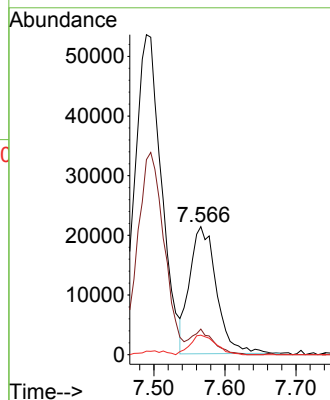
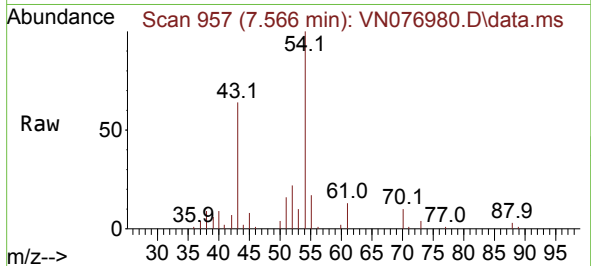




#37  
Ethyl Acetate  
Concen: 17.733 ug/l  
RT: 7.566 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

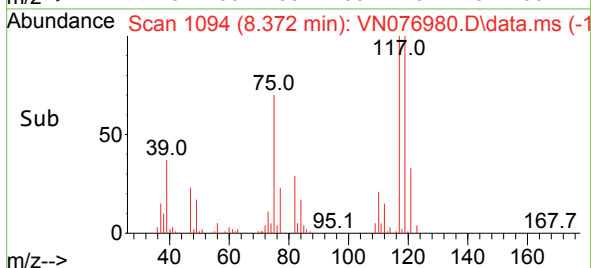
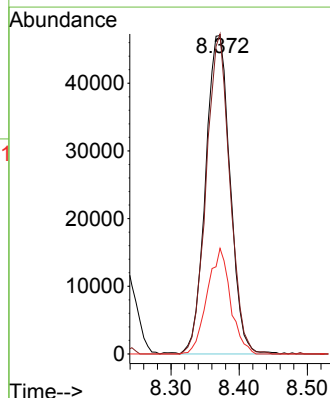
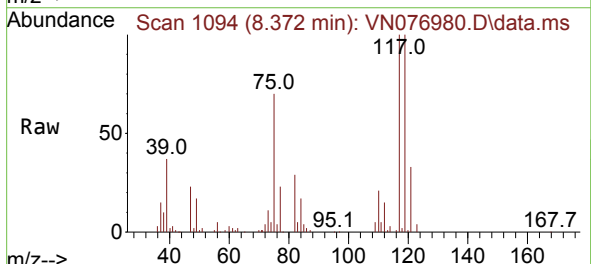
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

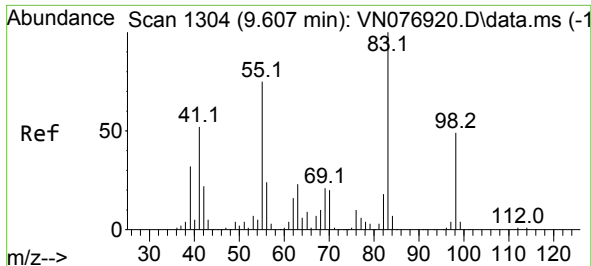
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 55733 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 16.9  | 13.5  | 20.3  |
| 70       | 14.7  | 11.0  | 16.6  |



#38  
Carbon Tetrachloride  
Concen: 25.643 ug/l  
RT: 8.372 min Scan# 1094  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 117948 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 100.5 | 76.9  | 115.3  |
| 121      | 33.1  | 23.2  | 34.8   |





#39

Methylcyclohexane

Concen: 18.954 ug/l

RT: 9.607 min Scan# 1134

Delta R.T. 0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBSD01

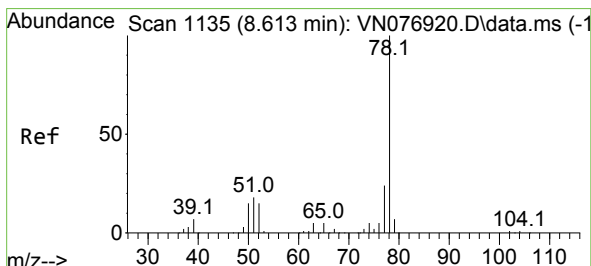
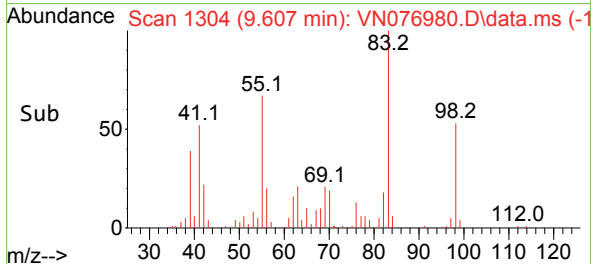
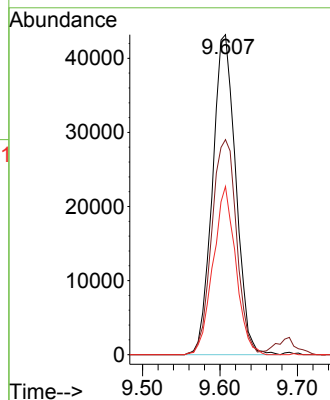
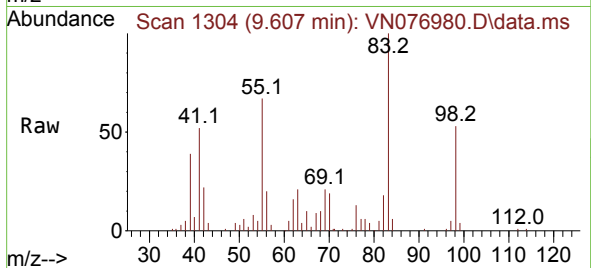
Tgt Ion: 83 Resp: 90421

Ion Ratio Lower Upper

83 100

55 67.2 47.0 70.4

98 52.6 39.4 59.0



#40

Benzene

Concen: 18.703 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VN076980.D

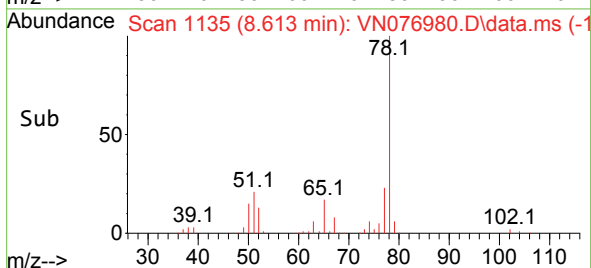
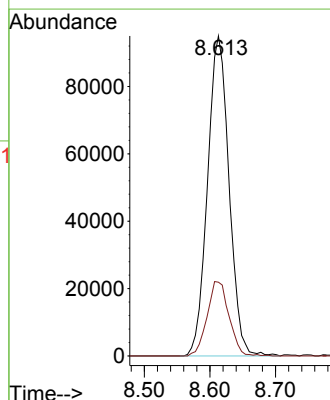
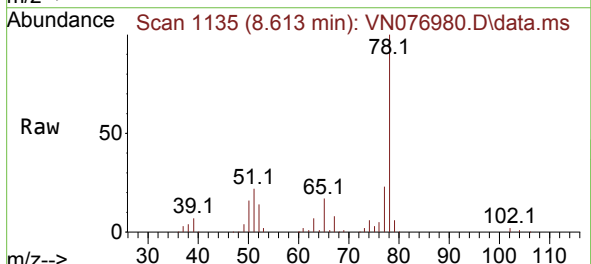
Acq: 14 Mar 2023 14:20

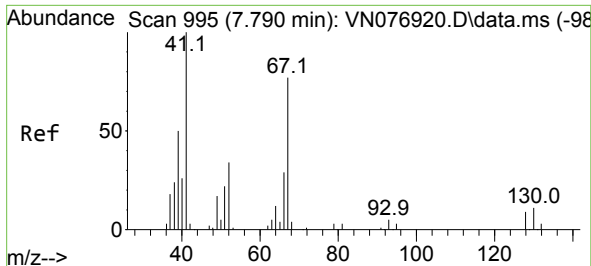
Tgt Ion: 78 Resp: 216662

Ion Ratio Lower Upper

78 100

77 23.0 19.3 28.9

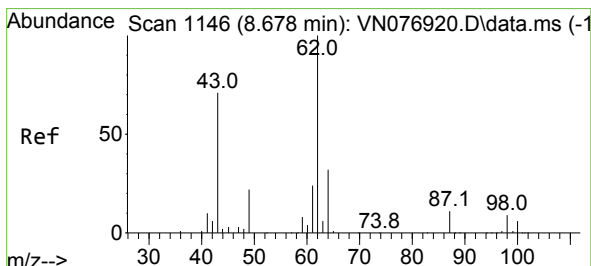
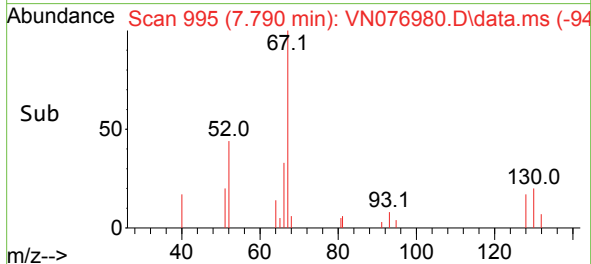
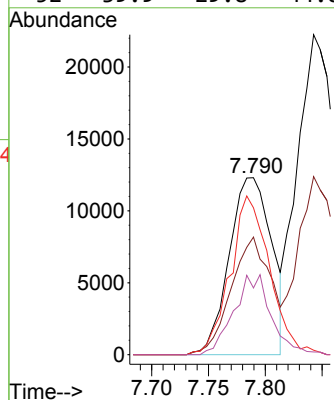
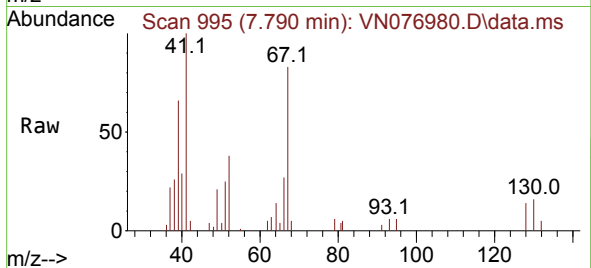




#41  
Methacrylonitrile  
Concen: 17.037 ug/l  
RT: 7.790 min Scan# 995  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

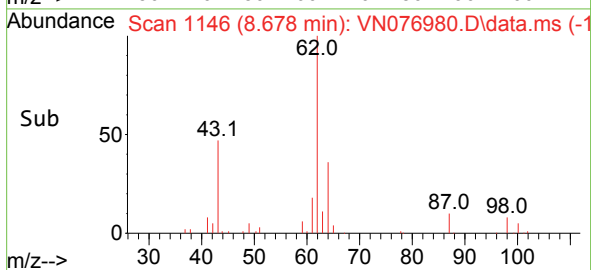
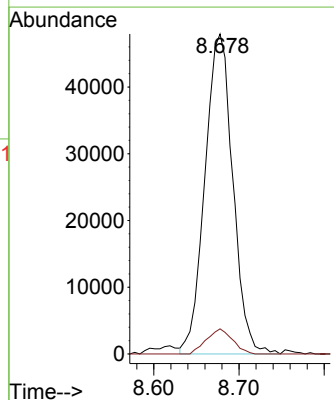
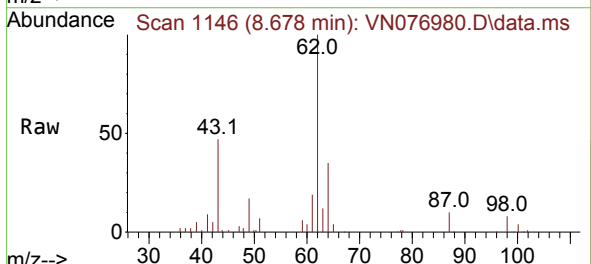
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

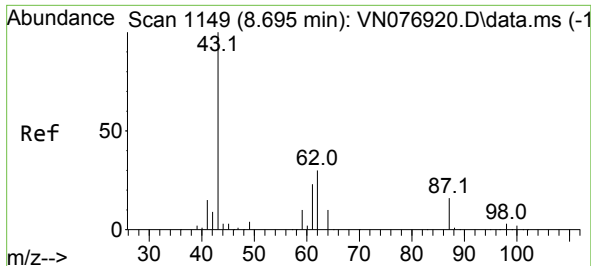
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 31861 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 62.4  | 43.4  | 65.0  |
| 67       | 83.7  | 78.6  | 118.0 |
| 52       | 39.9  | 29.8  | 44.8  |



#42  
1,2-Dichloroethane  
Concen: 24.183 ug/l  
RT: 8.678 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 109273 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 7.3   | 0.0   | 21.8   |

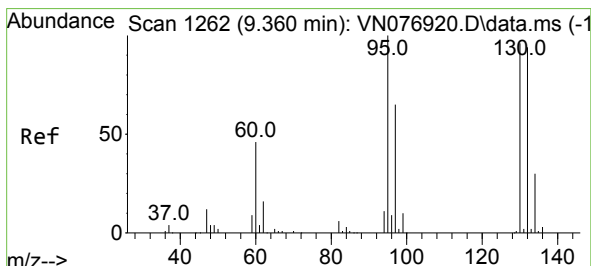
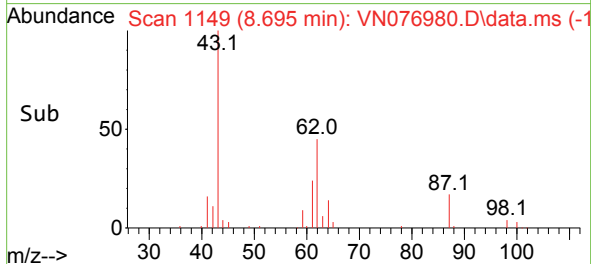
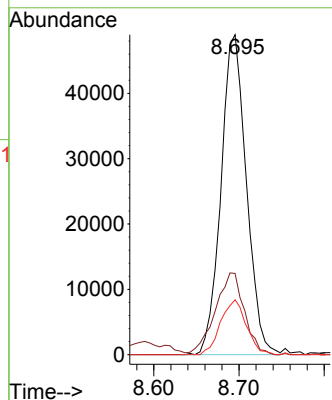
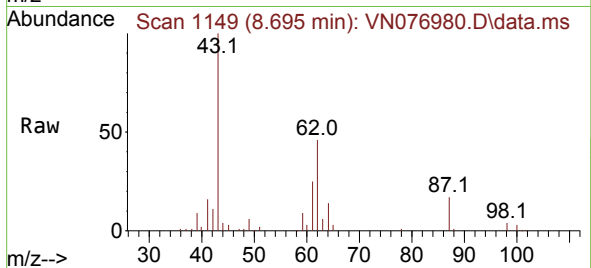




#43  
Isopropyl Acetate  
Concen: 18.306 ug/l  
RT: 8.695 min Scan# 1149  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

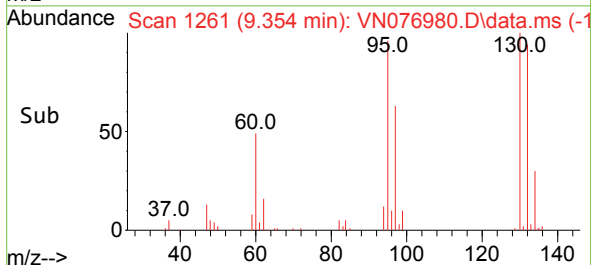
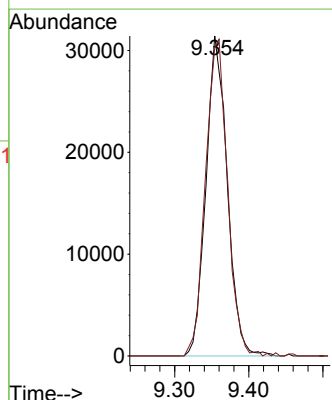
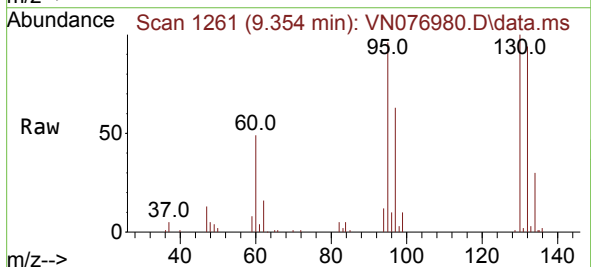
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

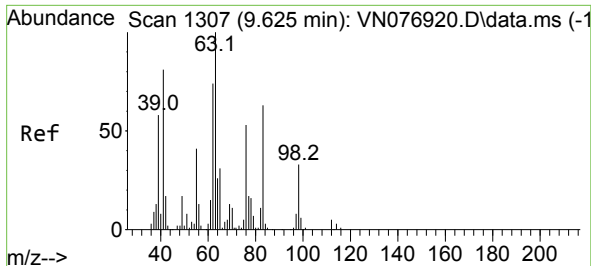
Tgt Ion: 43 Resp: 101564  
Ion Ratio Lower Upper  
43 100  
61 29.3 26.2 39.2  
87 17.4 14.8 22.2



#44  
Trichloroethene  
Concen: 21.000 ug/l  
RT: 9.354 min Scan# 1261  
Delta R.T. -0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion:130 Resp: 62869  
Ion Ratio Lower Upper  
130 100  
95 96.4 0.0 208.6





#45

1,2-Dichloropropane

Concen: 16.907 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

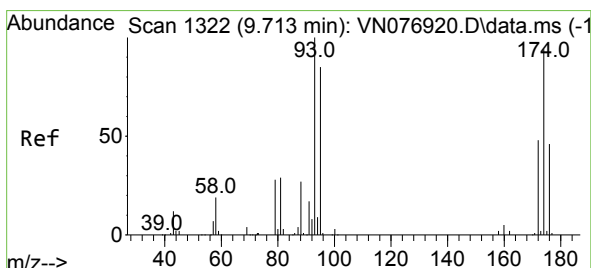
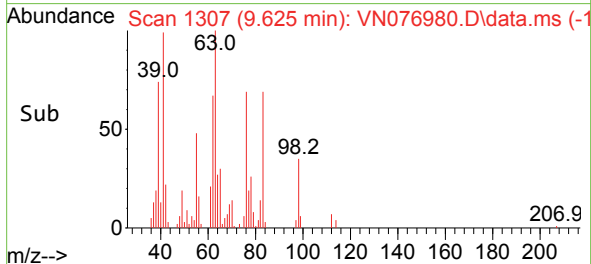
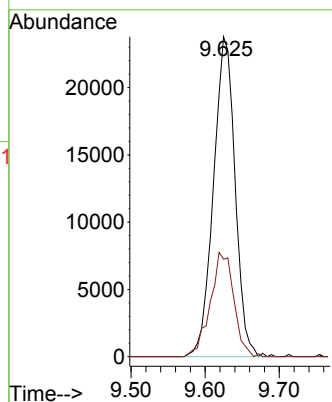
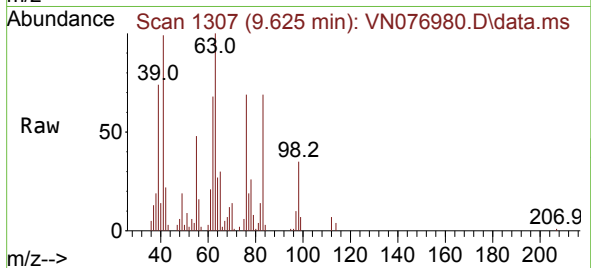
VN0314WBSD01

Tgt Ion: 63 Resp: 48188

Ion Ratio Lower Upper

63 100

65 30.4 25.0 37.6



#46

Dibromomethane

Concen: 21.321 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

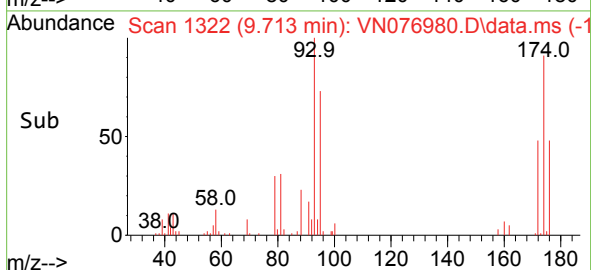
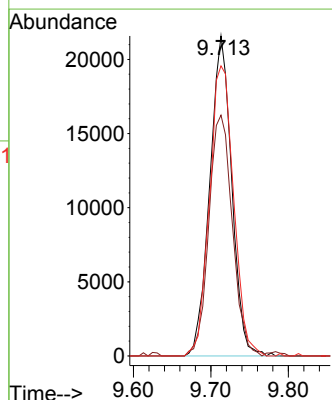
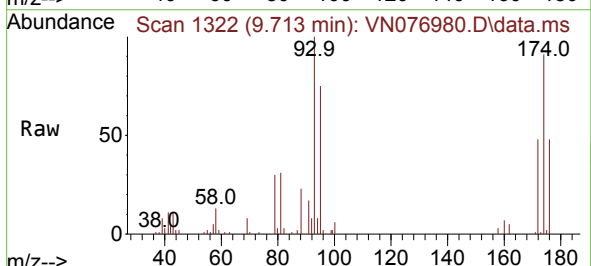
Tgt Ion: 93 Resp: 42440

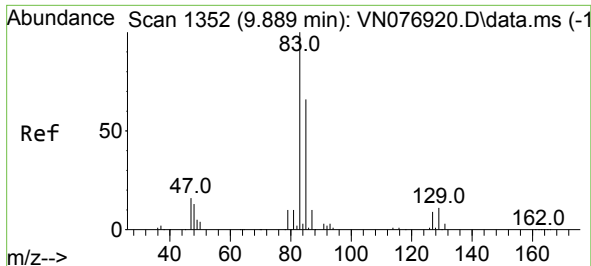
Ion Ratio Lower Upper

93 100

95 80.6 65.7 98.5

174 99.6 69.3 103.9

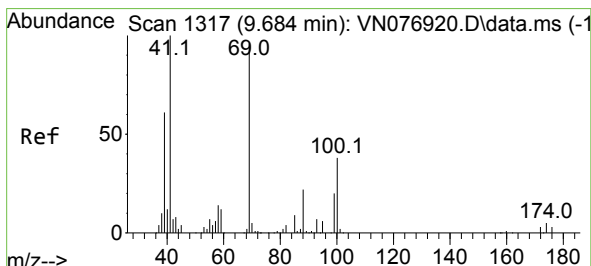
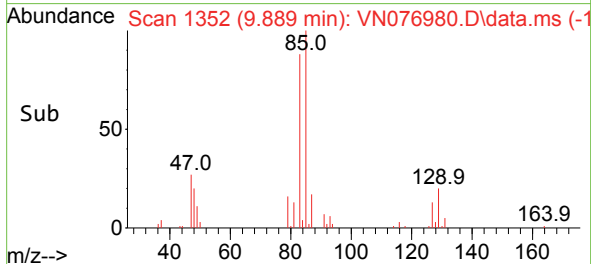
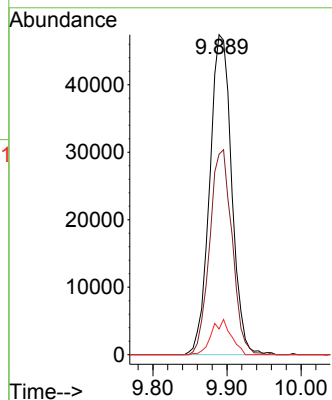
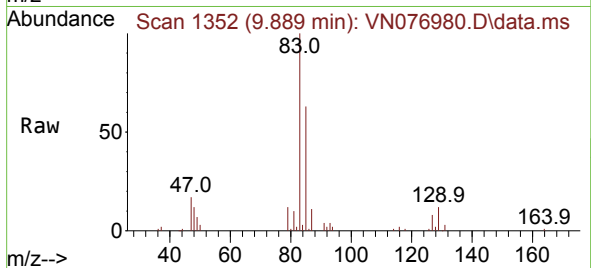




#47  
Bromodichloromethane  
Concen: 23.150 ug/l  
RT: 9.889 min Scan# 1352  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

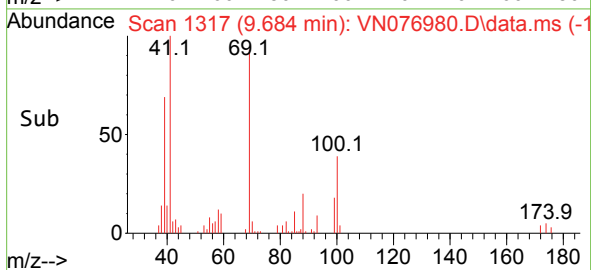
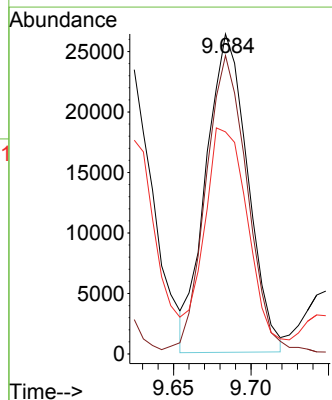
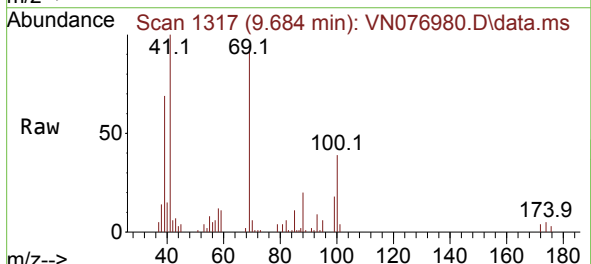
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

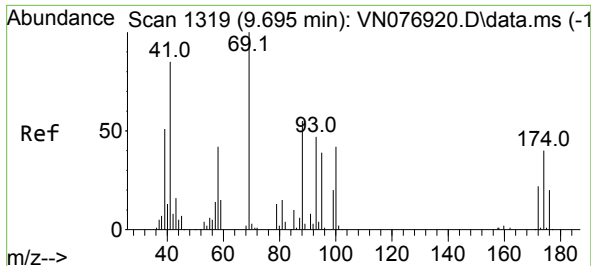
Tgt Ion: 83 Resp: 97761  
Ion Ratio Lower Upper  
83 100  
85 62.6 52.6 78.8  
127 8.1 7.0 10.6



#48  
Methyl methacrylate  
Concen: 18.122 ug/l  
RT: 9.684 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 41 Resp: 49262  
Ion Ratio Lower Upper  
41 100  
69 94.7 92.6 139.0  
39 76.4 51.4 77.0





#49

1,4-Dioxane

Concen: 410.044 ug/l

RT: 9.695 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBSD01

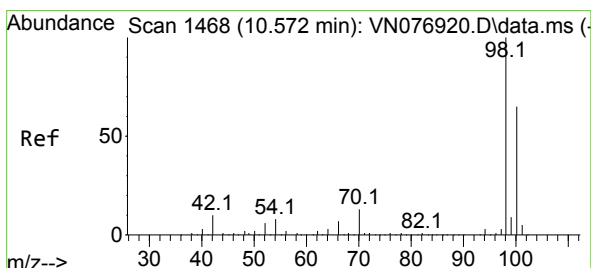
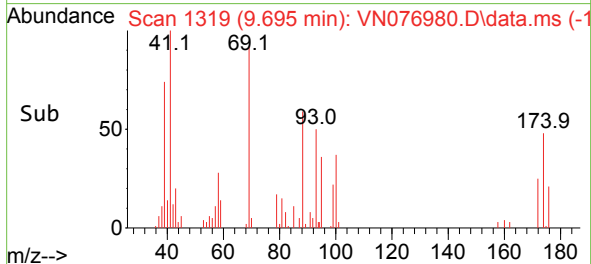
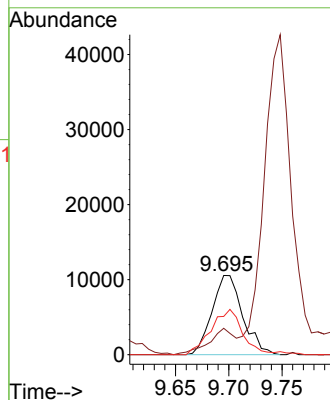
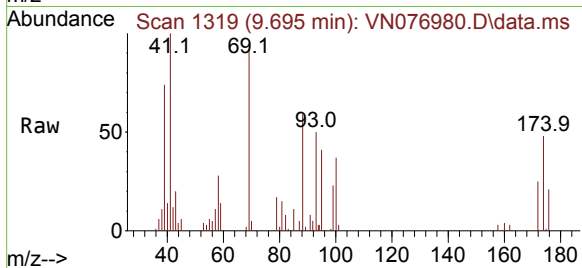
Tgt Ion: 88 Resp: 21106

Ion Ratio Lower Upper

88 100

43 27.6 15.3 22.9#

58 60.6 47.6 71.4



#50

Toluene-d8

Concen: 46.792 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN076980.D

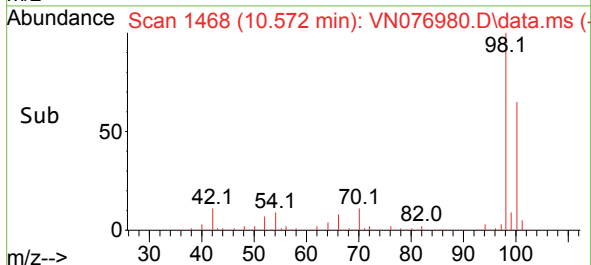
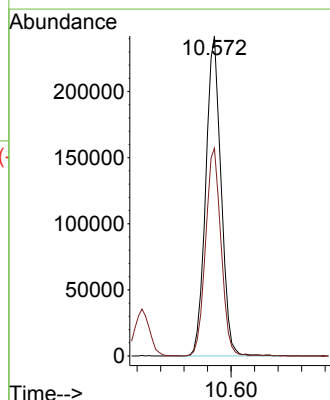
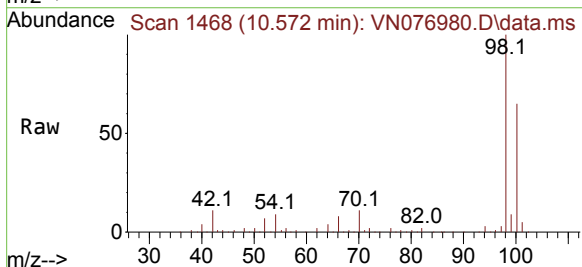
Acq: 14 Mar 2023 14:20

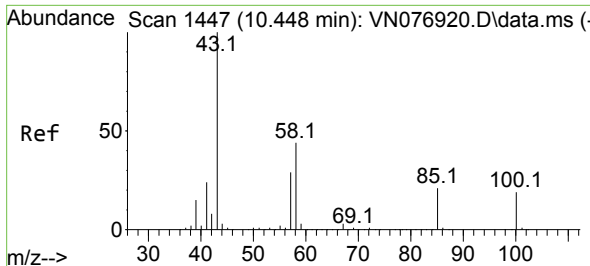
Tgt Ion: 98 Resp: 438202

Ion Ratio Lower Upper

98 100

100 65.7 52.8 79.2

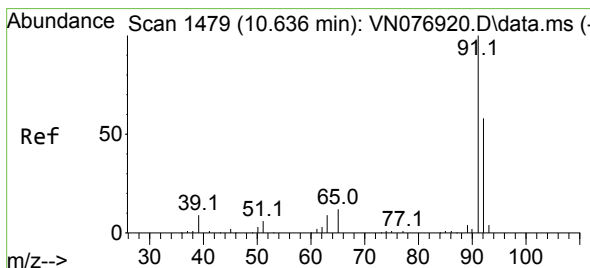
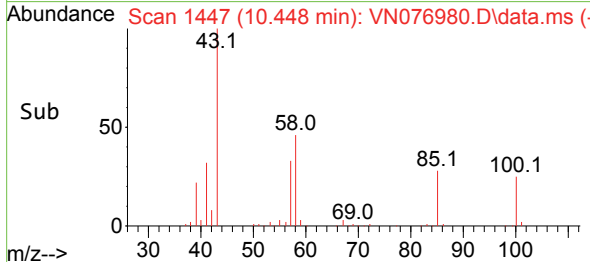
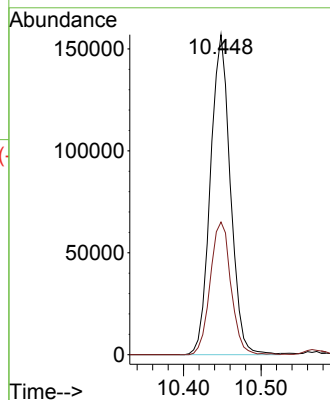
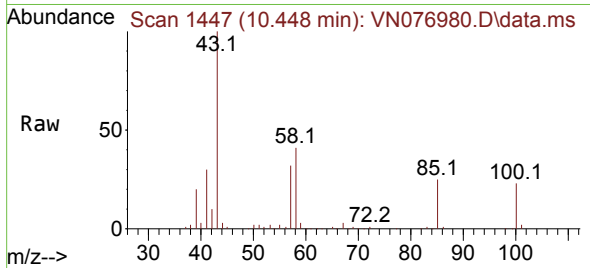




#51  
4-Methyl-2-Pentanone  
Concen: 84.193 ug/l  
RT: 10.448 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

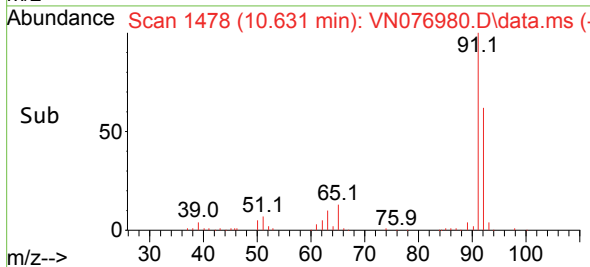
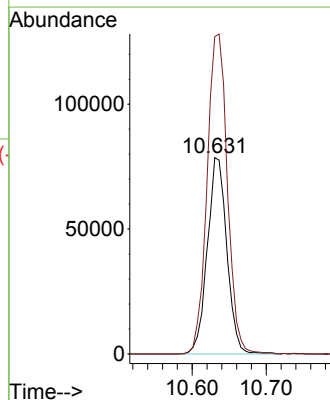
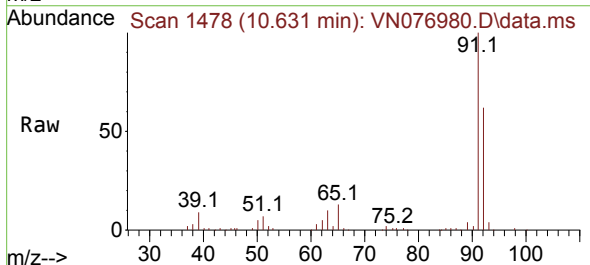
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

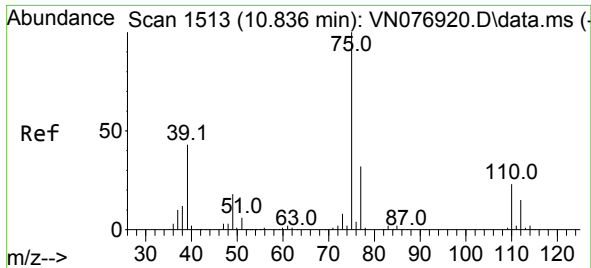
Tgt Ion: 43 Resp: 280598  
Ion Ratio Lower Upper  
43 100  
58 43.1 37.4 56.0



#52  
Toluene  
Concen: 20.179 ug/l  
RT: 10.631 min Scan# 1478  
Delta R.T. -0.005 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 92 Resp: 143869  
Ion Ratio Lower Upper  
92 100  
91 169.6 138.2 207.2

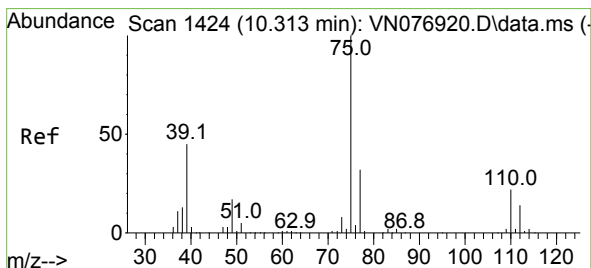
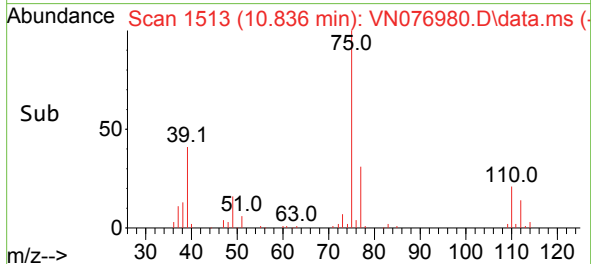
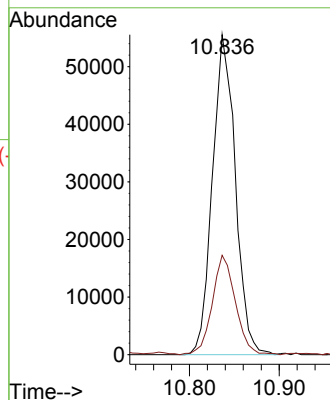
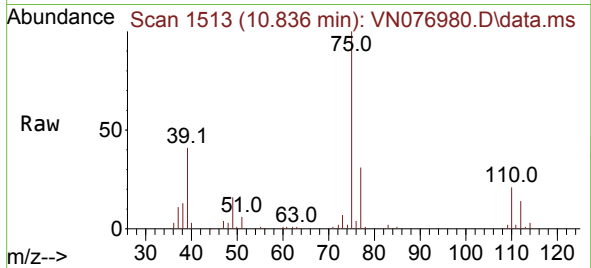




#53  
t-1,3-Dichloropropene  
Concen: 23.366 ug/l  
RT: 10.836 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

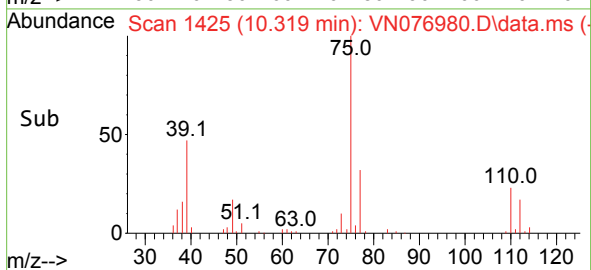
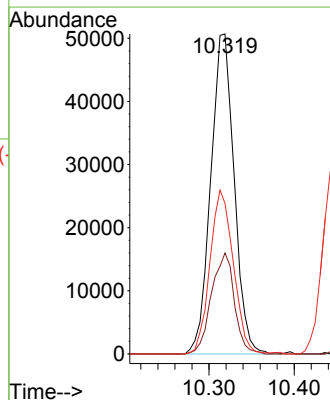
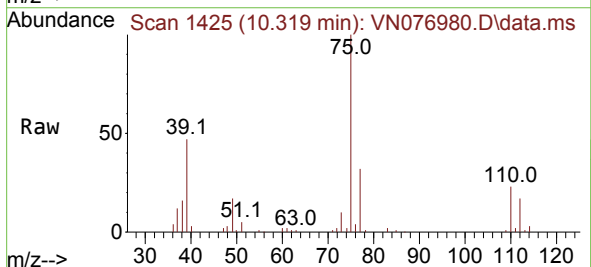
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

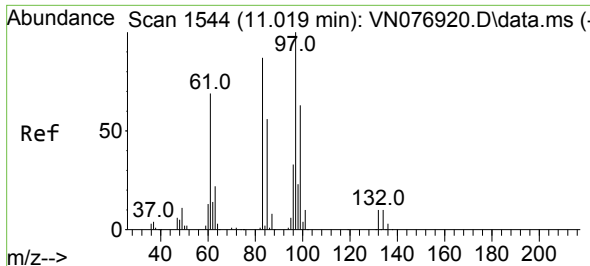
Tgt Ion: 75 Resp: 98372  
Ion Ratio Lower Upper  
75 100  
77 31.1 25.0 37.6



#54  
cis-1,3-Dichloropropene  
Concen: 20.933 ug/l  
RT: 10.319 min Scan# 1425  
Delta R.T. 0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 75 Resp: 96786  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.7 38.5  
39 47.1 29.7 44.5#

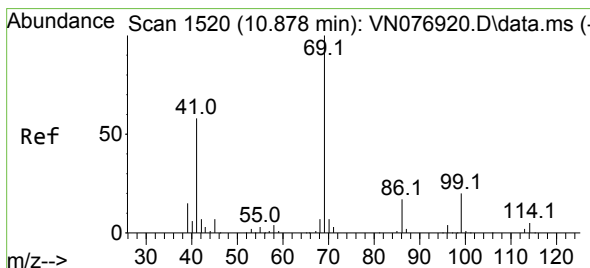
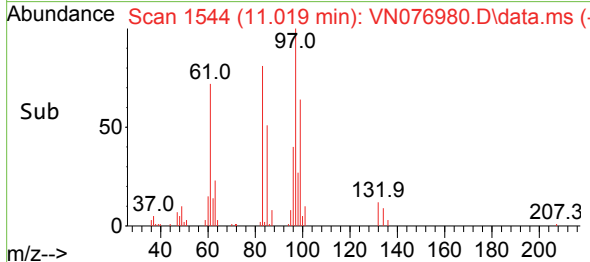
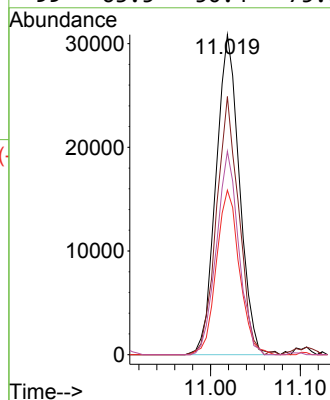
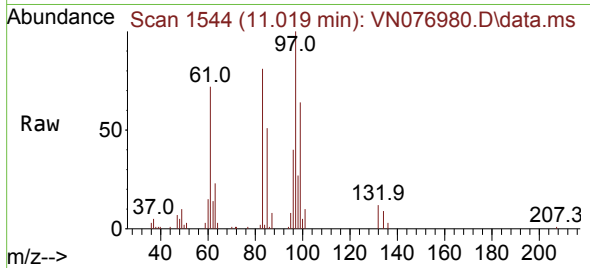




#55  
1,1,2-Trichloroethane  
Concen: 20.210 ug/l  
RT: 11.019 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

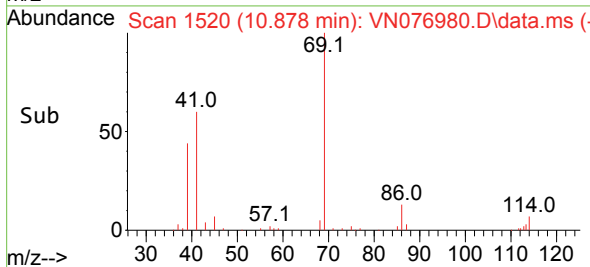
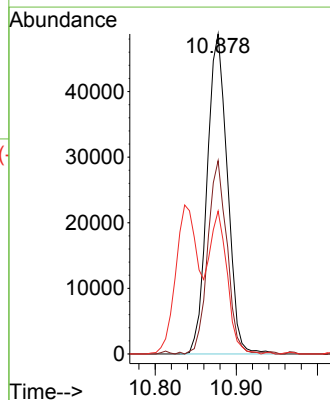
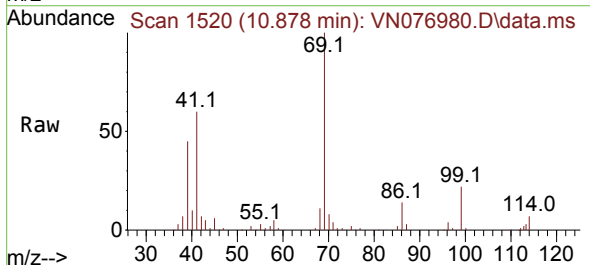
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

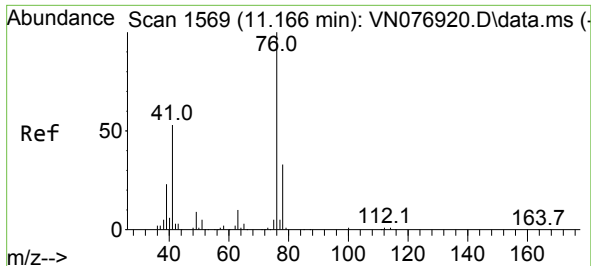
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 56063 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 80.7  | 67.1  | 100.7 |
| 85       | 51.4  | 41.8  | 62.8  |
| 99       | 63.5  | 50.4  | 75.6  |



#56  
Ethyl methacrylate  
Concen: 20.022 ug/l  
RT: 10.878 min Scan# 1520  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 84244 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 57.5  | 38.0  | 57.0# |
| 39       | 39.3  | 22.4  | 33.6# |

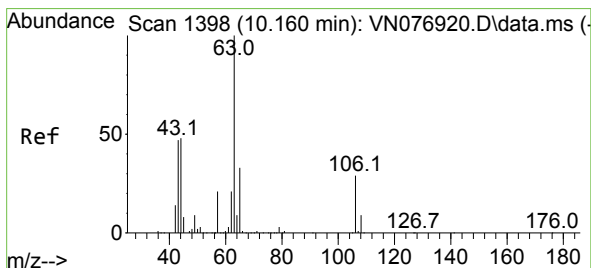
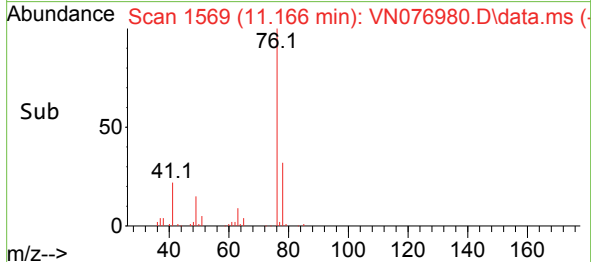
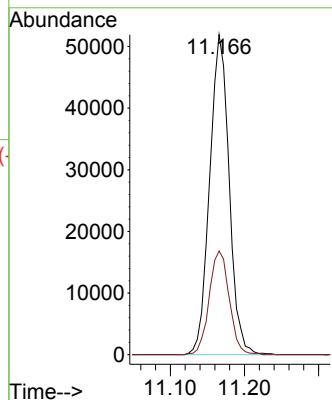
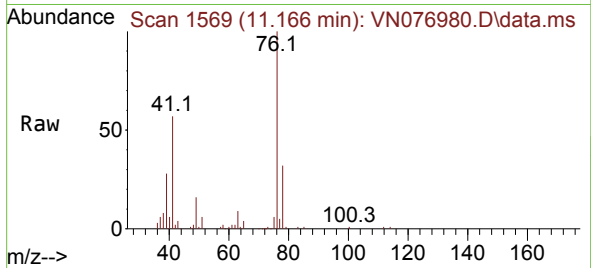




#57  
1,3-Dichloropropane  
Concen: 19.381 ug/l  
RT: 11.166 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

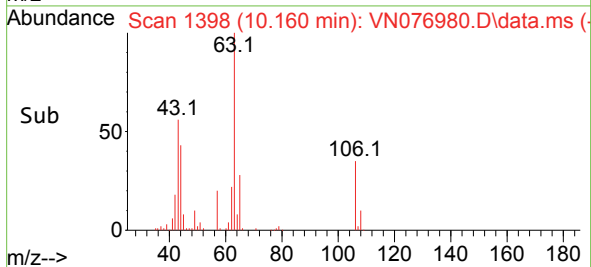
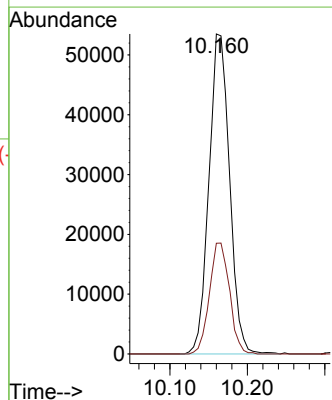
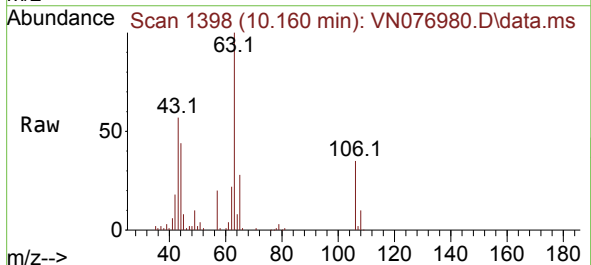
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

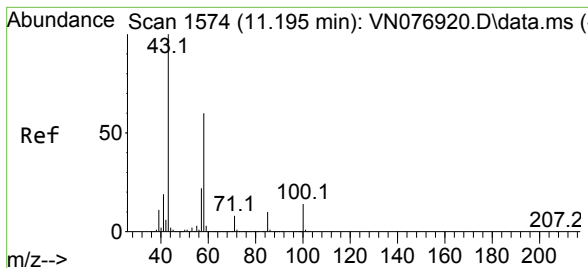
Tgt Ion: 76 Resp: 94803  
Ion Ratio Lower Upper  
76 100  
78 33.4 26.1 39.1



#58  
2-Chloroethyl Vinyl ether  
Concen: 73.839 ug/l  
RT: 10.160 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 63 Resp: 98931  
Ion Ratio Lower Upper  
63 100  
106 33.7 25.6 38.4

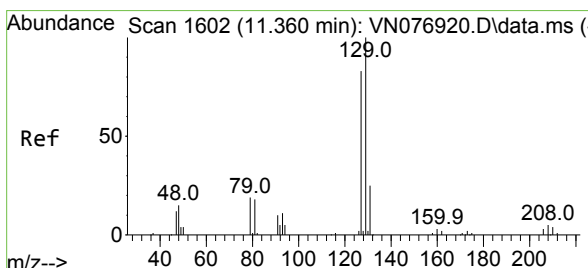
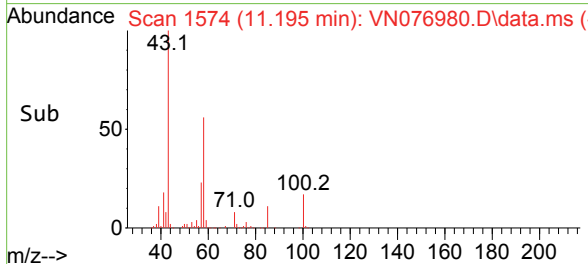
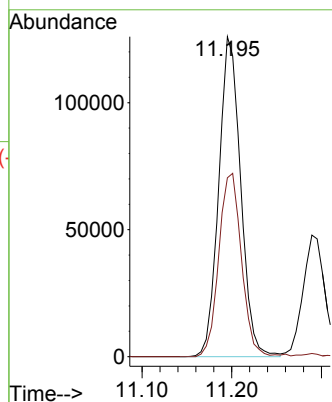
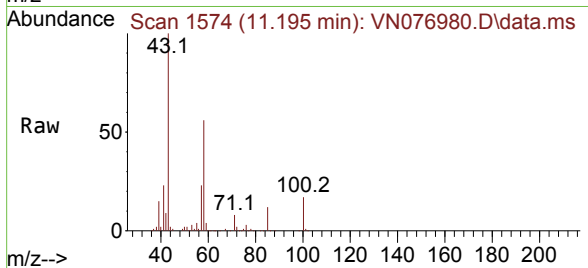




#59  
2-Hexanone  
Concen: 87.925 ug/l  
RT: 11.195 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

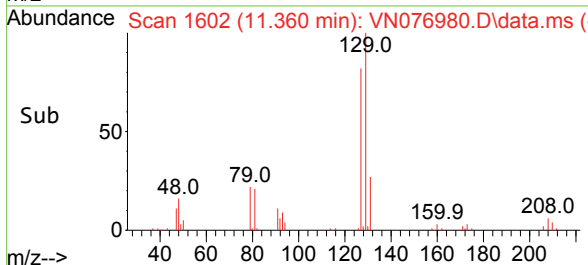
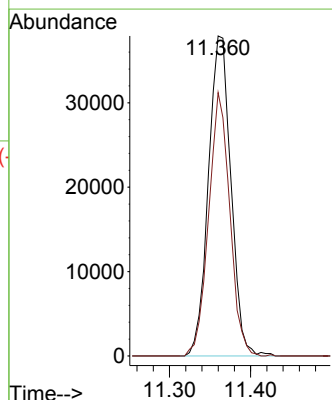
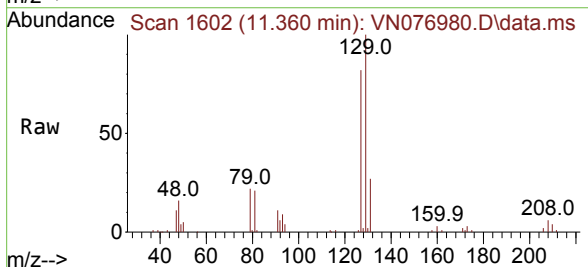
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

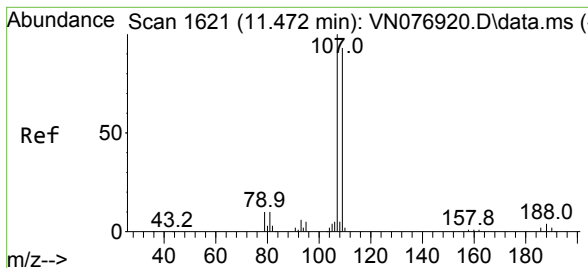
Tgt Ion: 43 Resp: 213661  
Ion Ratio Lower Upper  
43 100  
58 59.3 32.6 98.0



#60  
Dibromochloromethane  
Concen: 23.870 ug/l  
RT: 11.360 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion:129 Resp: 72951  
Ion Ratio Lower Upper  
129 100  
127 77.2 39.6 118.8

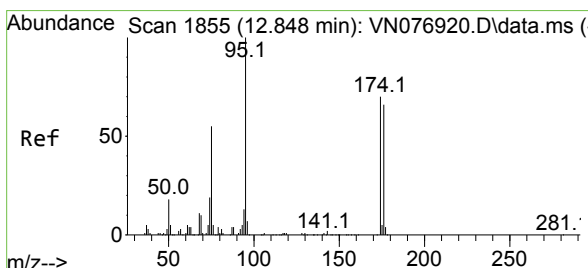
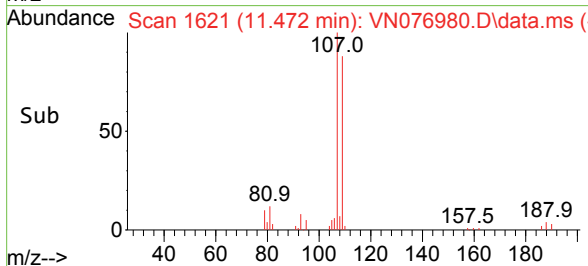
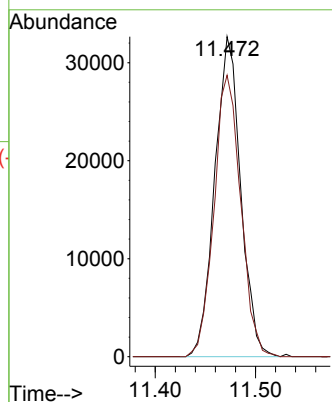
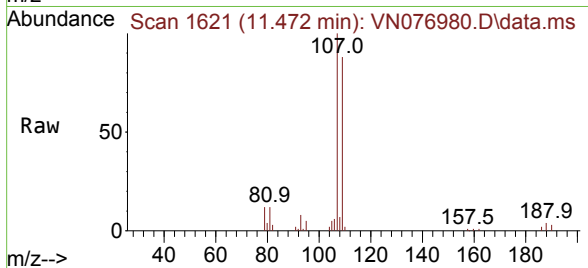




#61  
1,2-Dibromoethane  
Concen: 21.084 ug/l  
RT: 11.472 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

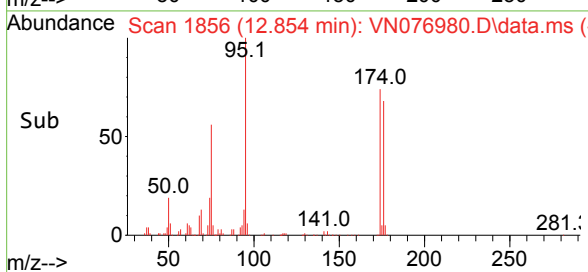
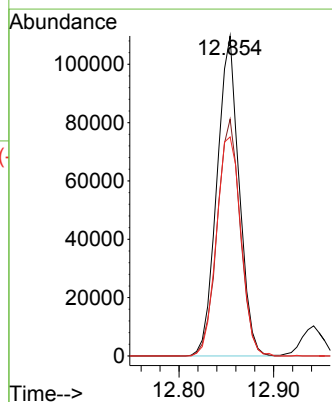
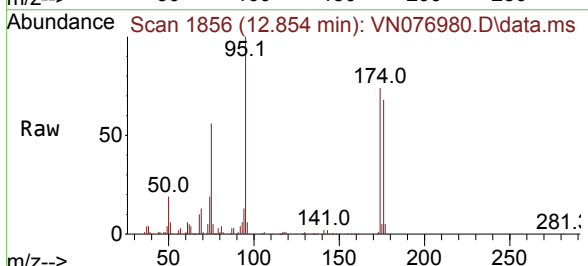
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

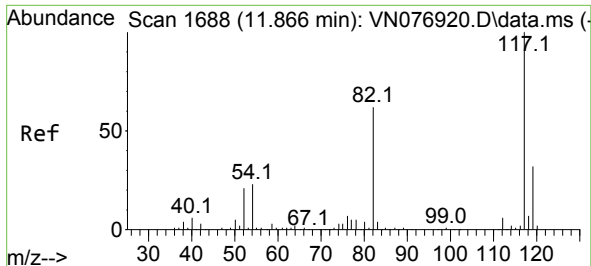
Tgt Ion:107 Resp: 58619  
Ion Ratio Lower Upper  
107 100  
109 90.7 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 52.144 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 95 Resp: 178614  
Ion Ratio Lower Upper  
95 100  
174 76.4 0.0 162.4  
176 75.6 0.0 157.4

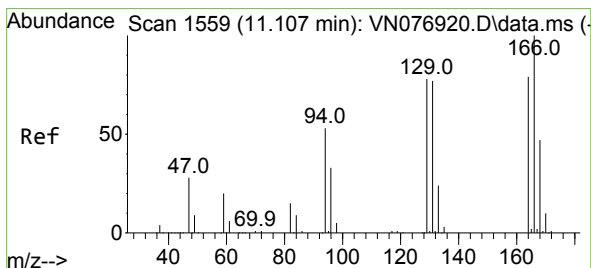
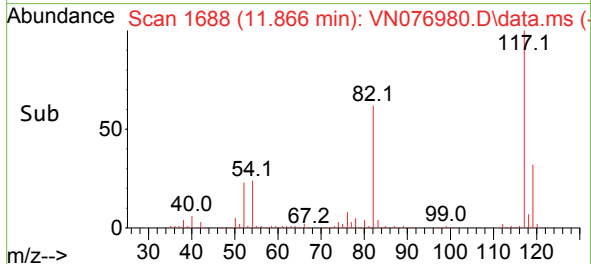
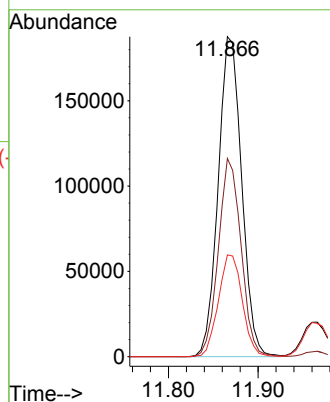
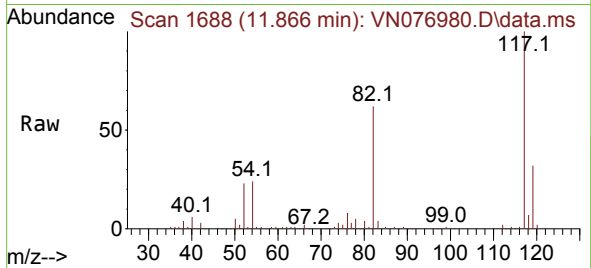




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

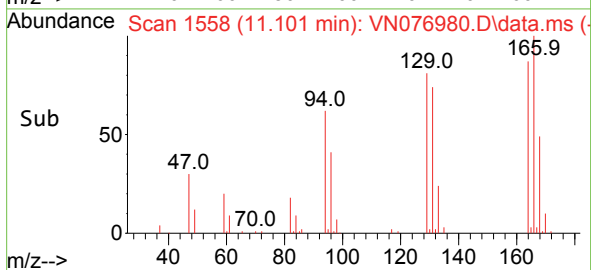
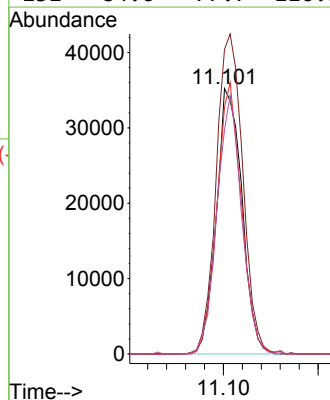
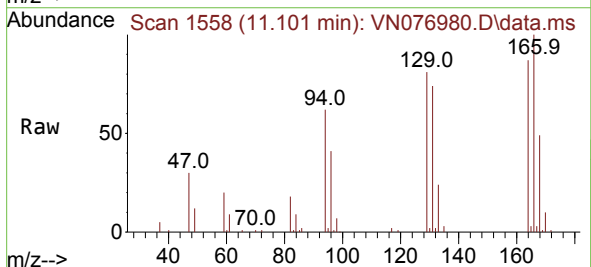
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

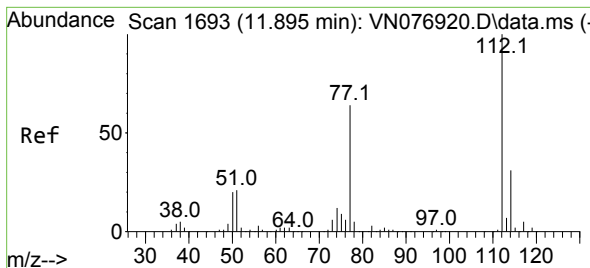
Tgt Ion:117 Resp: 341364  
Ion Ratio Lower Upper  
117 100  
82 62.0 43.5 65.3  
119 31.8 25.5 38.3



#64  
Tetrachloroethene  
Concen: 23.924 ug/l  
RT: 11.101 min Scan# 1558  
Delta R.T. -0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion:164 Resp: 66098  
Ion Ratio Lower Upper  
164 100  
166 114.8 102.7 154.1  
129 93.0 81.5 122.3  
131 84.6 77.7 116.5





#65

Chlorobenzene

Concen: 20.055 ug/l

RT: 11.895 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

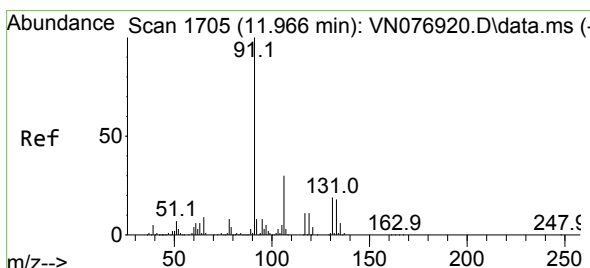
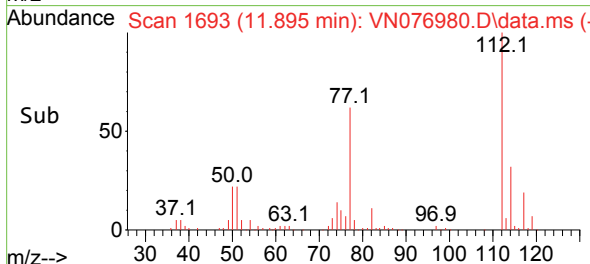
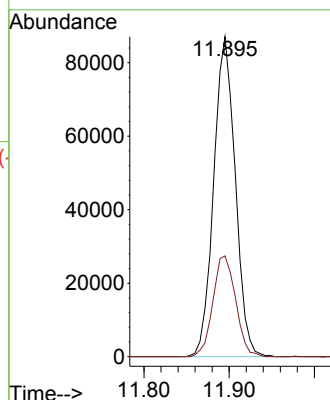
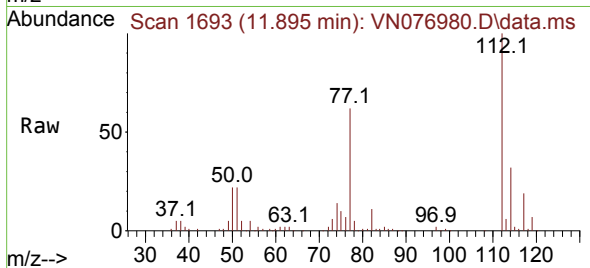
VN0314WBSD01

Tgt Ion:112 Resp: 153136

Ion Ratio Lower Upper

112 100

114 31.5 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 23.265 ug/l

RT: 11.966 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

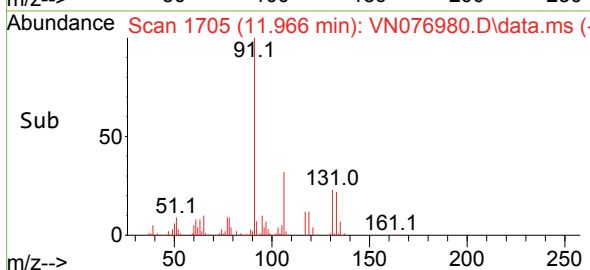
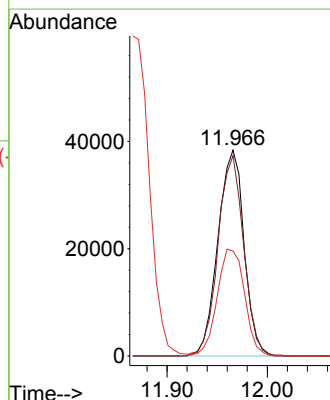
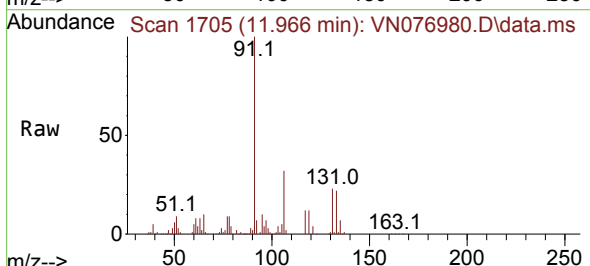
Tgt Ion:131 Resp: 69349

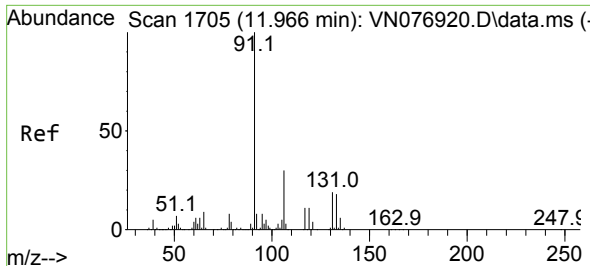
Ion Ratio Lower Upper

131 100

133 95.5 47.9 143.8

119 54.2 33.1 99.2

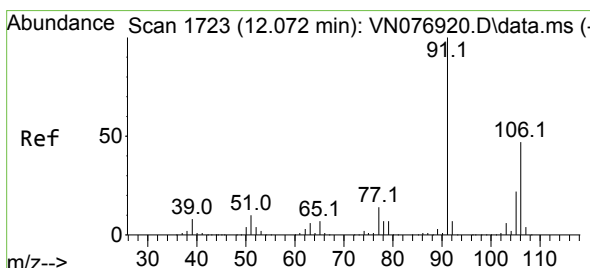
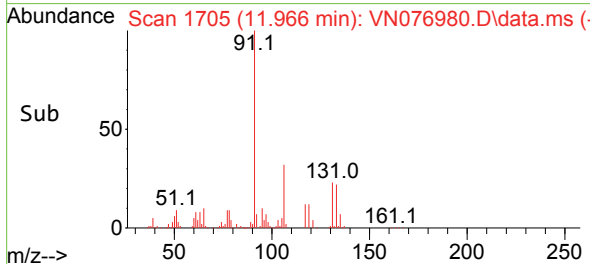
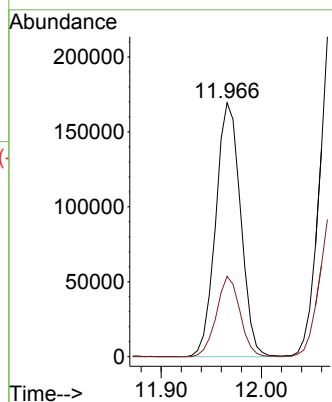
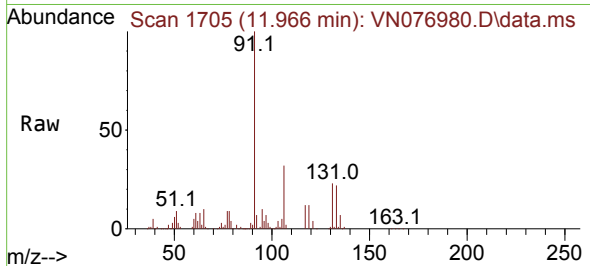




#67  
Ethyl Benzene  
Concen: 20.745 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

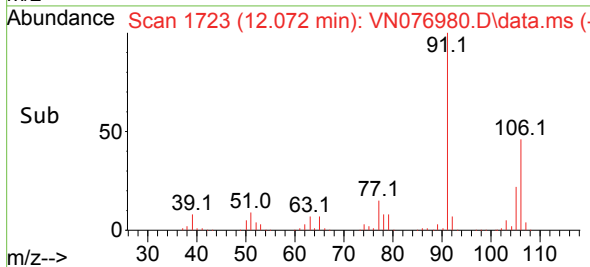
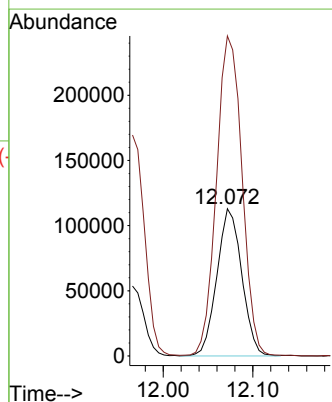
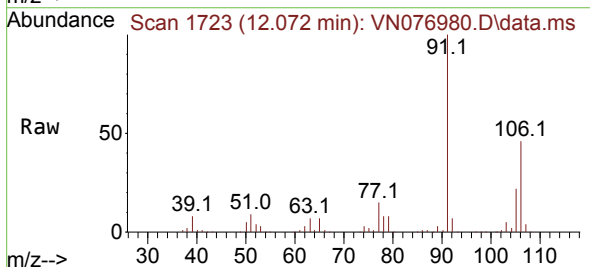
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

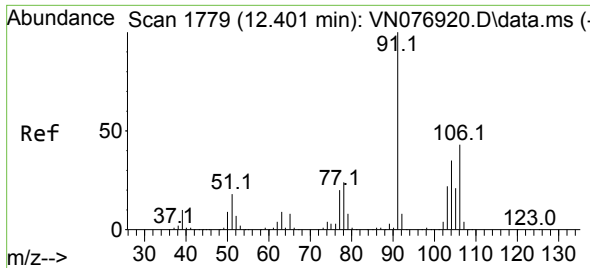
Tgt Ion: 91 Resp: 291279  
Ion Ratio Lower Upper  
91 100  
106 31.7 25.1 37.7



#68  
m/p-Xylenes  
Concen: 41.233 ug/l  
RT: 12.072 min Scan# 1723  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion:106 Resp: 217595  
Ion Ratio Lower Upper  
106 100  
91 223.8 158.0 237.0

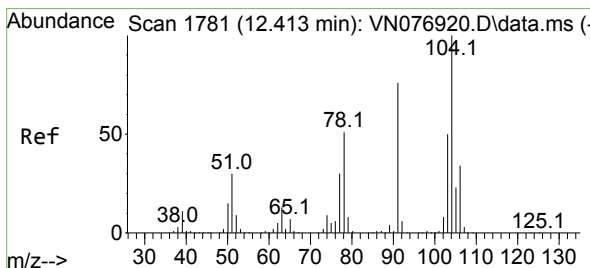
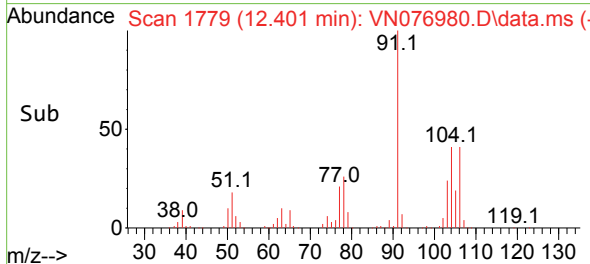
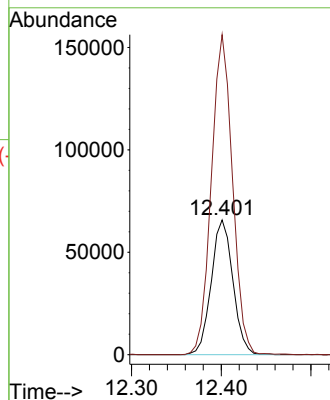
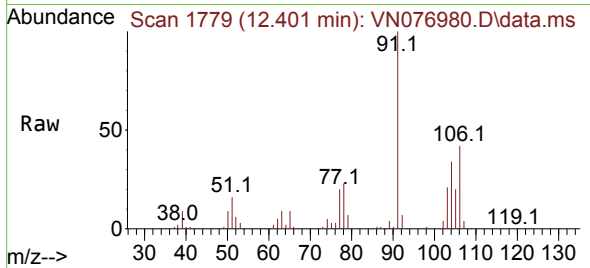




#69  
o-Xylene  
Concen: 21.540 ug/l  
RT: 12.401 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

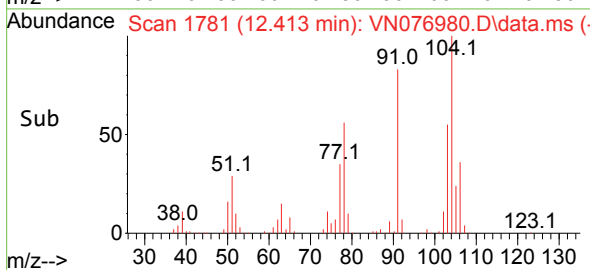
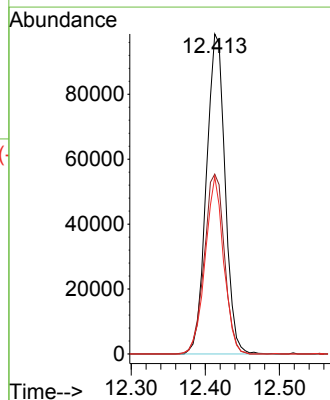
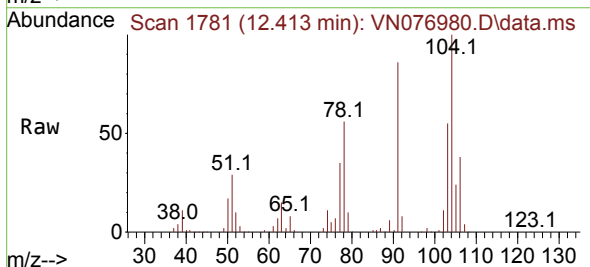
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

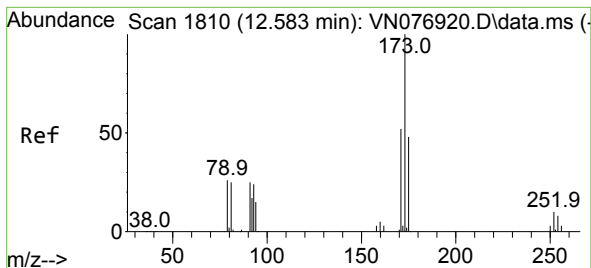
Tgt Ion:106 Resp: 110356  
Ion Ratio Lower Upper  
106 100  
91 231.9 101.8 305.4



#70  
Styrene  
Concen: 20.860 ug/l  
RT: 12.413 min Scan# 1781  
Delta R.T. -0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion:104 Resp: 172658  
Ion Ratio Lower Upper  
104 100  
78 61.0 36.6 55.0#  
103 55.1 43.4 65.0





#71

Bromoform

Concen: 24.457 ug/l

RT: 12.583 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBSD01

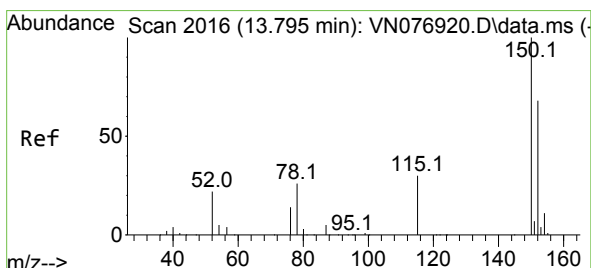
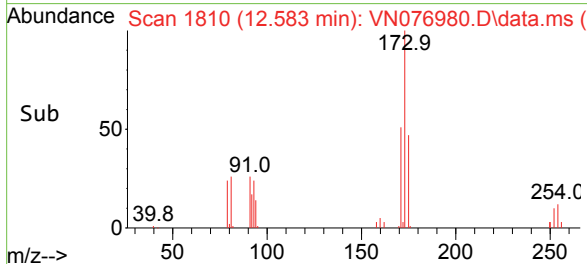
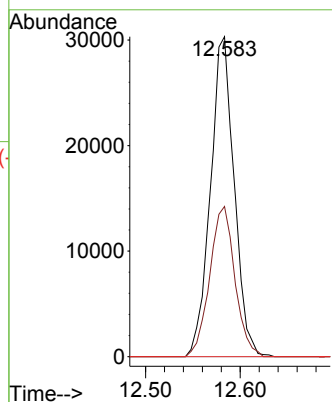
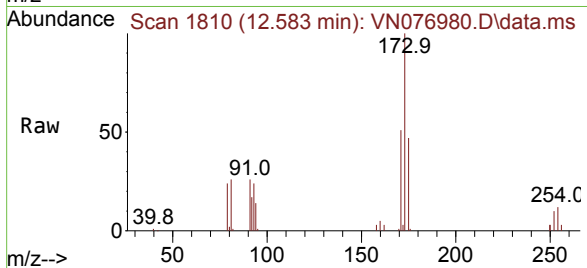
Tgt Ion:173 Resp: 52832

Ion Ratio Lower Upper

173 100

175 49.8 24.9 74.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

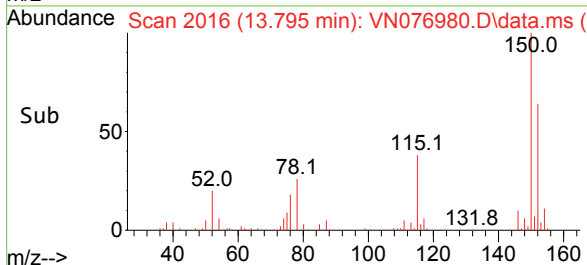
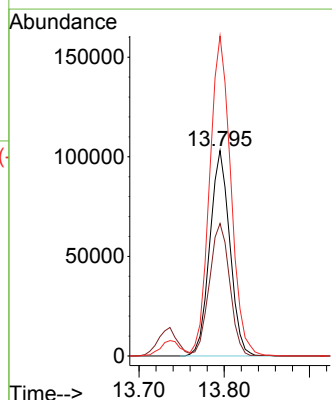
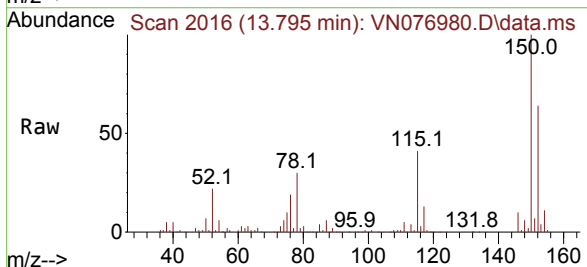
Tgt Ion:152 Resp: 167818

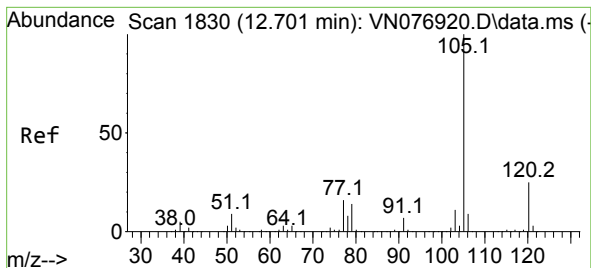
Ion Ratio Lower Upper

152 100

115 65.9 30.3 90.9

150 165.1 0.0 353.6





#73

Isopropylbenzene

Concen: 19.974 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

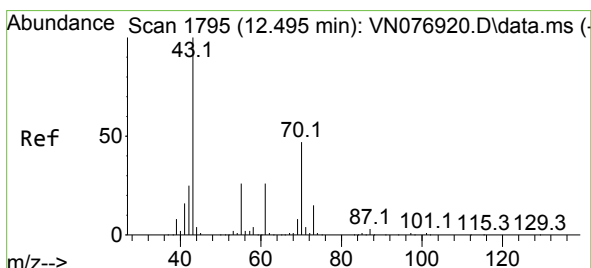
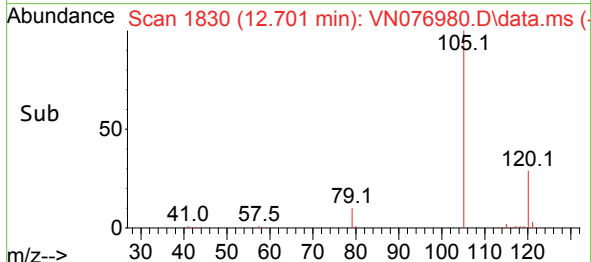
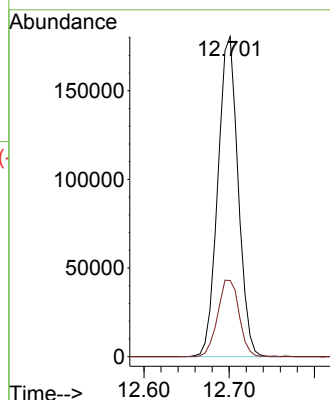
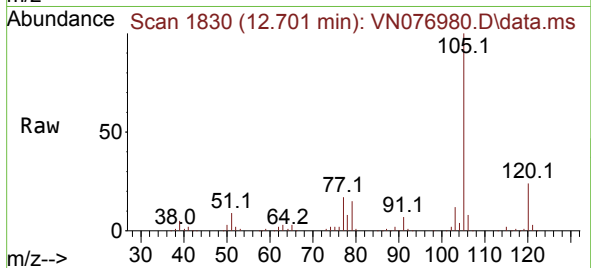
VN0314WBSD01

Tgt Ion:105 Resp: 298687

Ion Ratio Lower Upper

105 100

120 25.4 13.8 41.4



#74

N-ethyl acetate

Concen: 16.613 ug/l

RT: 12.495 min Scan# 1795

Delta R.T. 0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Tgt Ion: 43 Resp: 82253

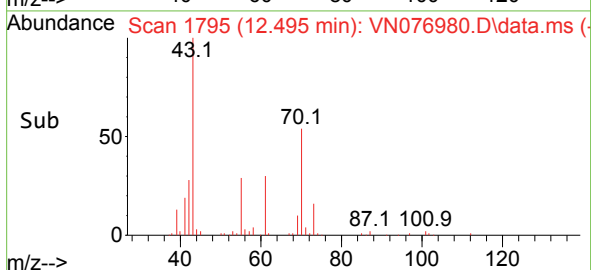
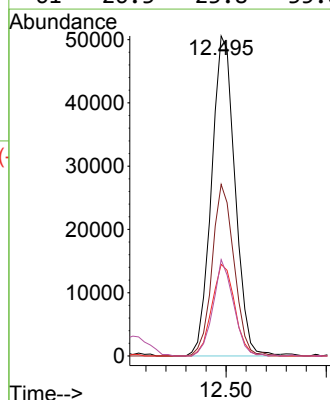
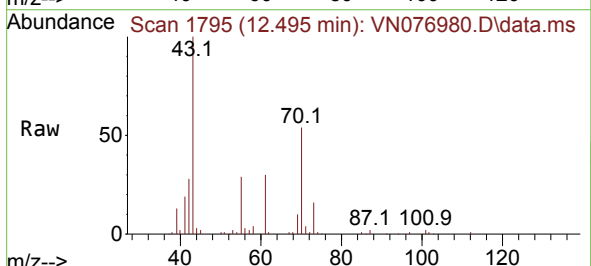
Ion Ratio Lower Upper

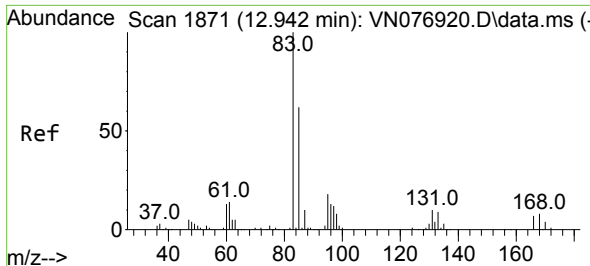
43 100

70 50.1 46.8 70.2

55 27.8 23.4 35.2

61 26.3 23.8 35.8

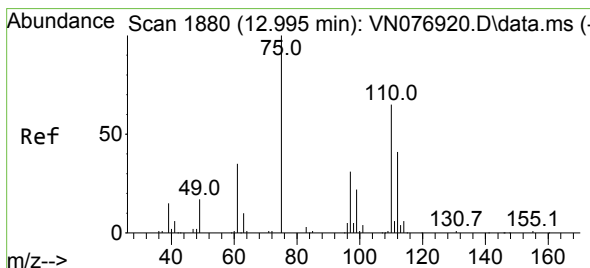
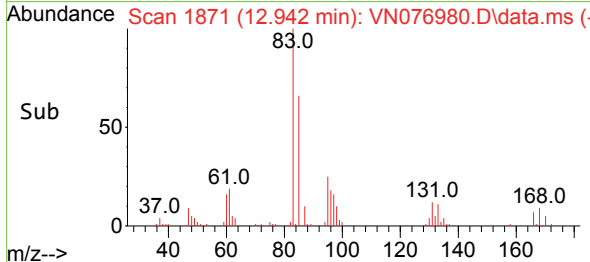
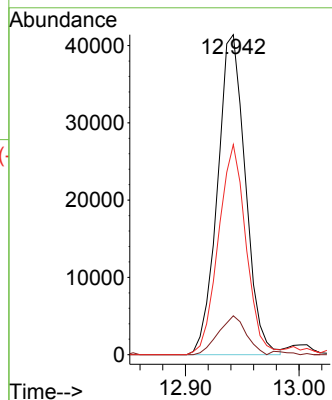
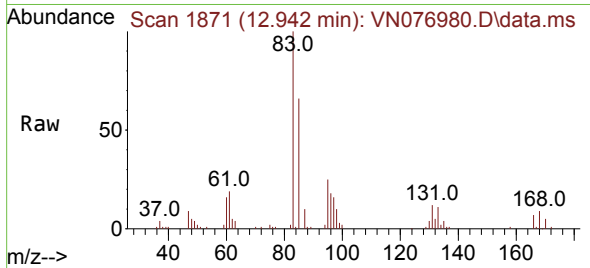




#75  
1,1,2,2-Tetrachloroethane  
Concen: 16.085 ug/l  
RT: 12.942 min Scan# 1871  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

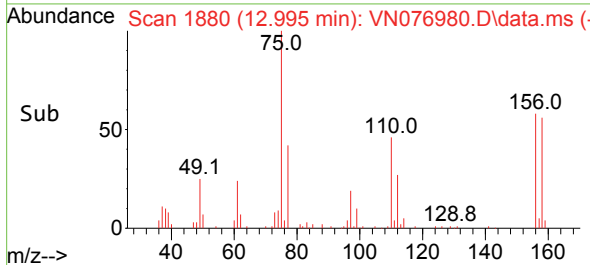
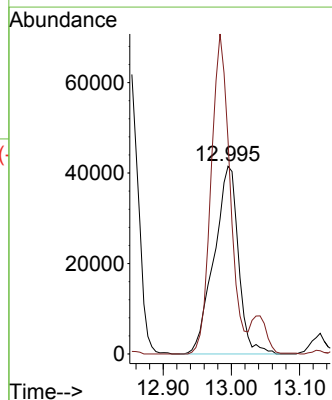
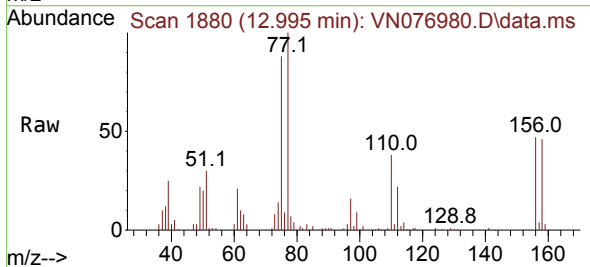
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

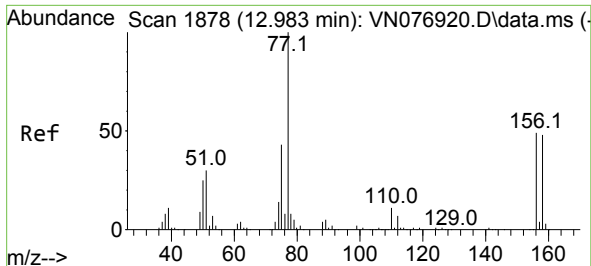
Tgt Ion: 83 Resp: 70774  
Ion Ratio Lower Upper  
83 100  
131 12.0 5.3 16.1  
85 65.1 32.0 96.0



#76  
1,2,3-Trichloropropane  
Concen: 25.362 ug/l  
RT: 12.995 min Scan# 1880  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 75 Resp: 103187  
Ion Ratio Lower Upper  
75 100  
77 133.0 93.8 281.4

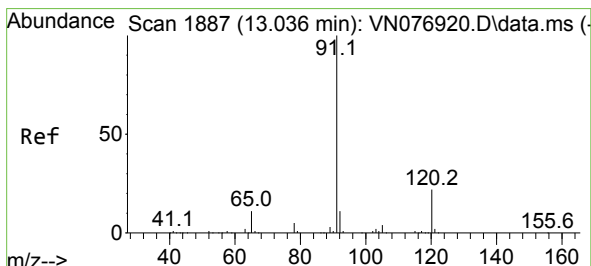
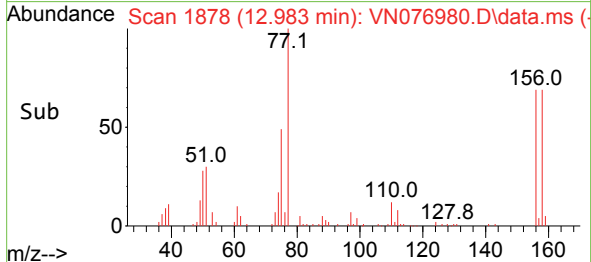
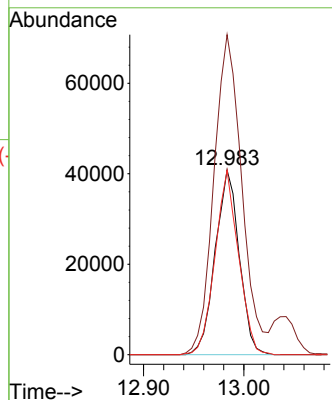
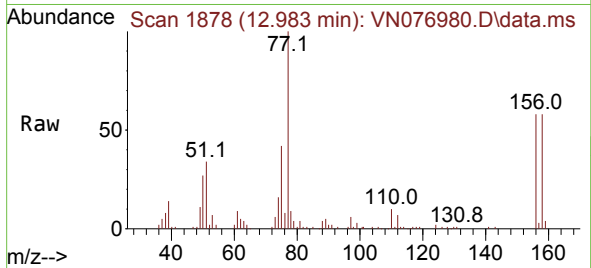




#77  
Bromobenzene  
Concen: 20.311 ug/l  
RT: 12.983 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

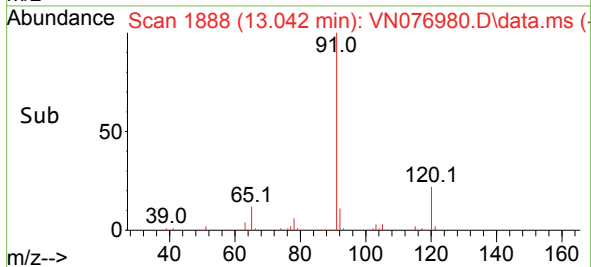
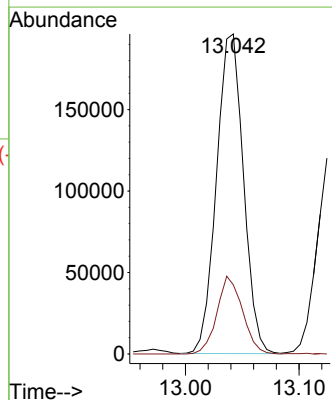
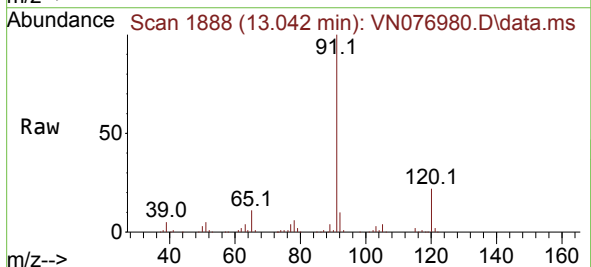
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

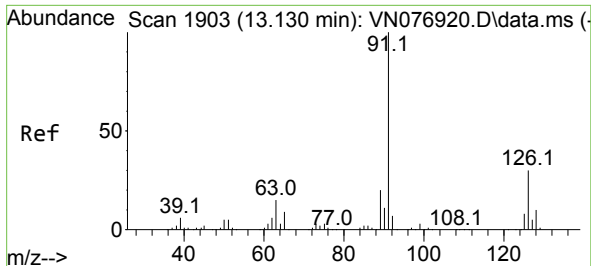
Tgt Ion:156 Resp: 67900  
Ion Ratio Lower Upper  
156 100  
77 202.1 101.3 303.7  
158 97.9 48.9 146.7



#78  
n-propylbenzene  
Concen: 19.431 ug/l  
RT: 13.042 min Scan# 1888  
Delta R.T. 0.006 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 91 Resp: 323560  
Ion Ratio Lower Upper  
91 100  
120 22.9 11.9 35.7

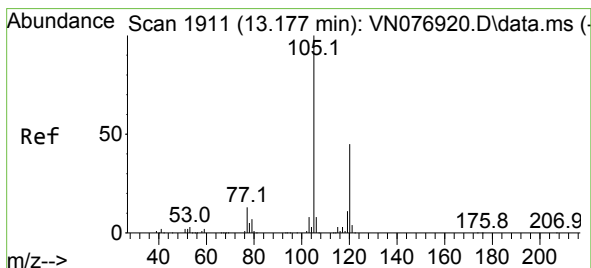
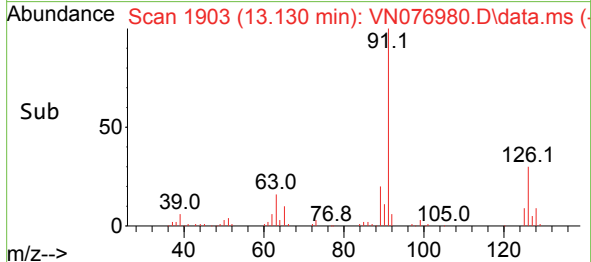
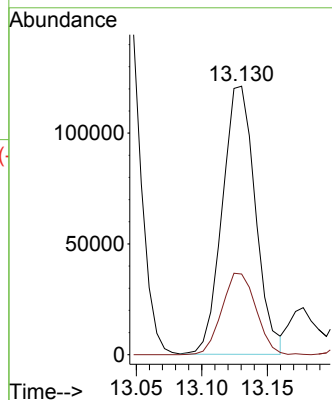
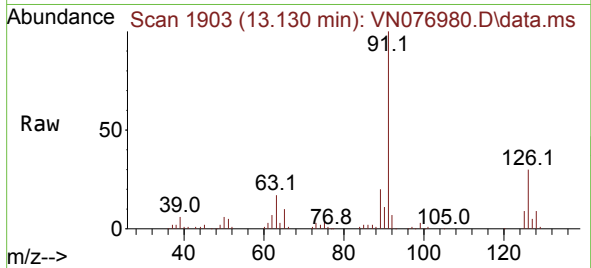




#79  
2-Chlorotoluene  
Concen: 19.743 ug/l  
RT: 13.130 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

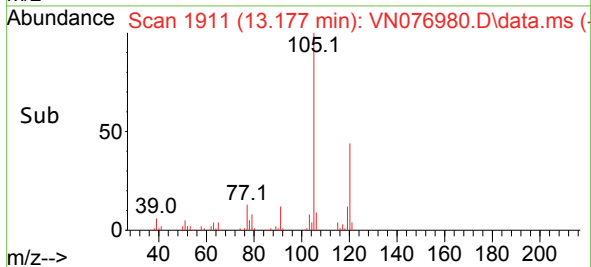
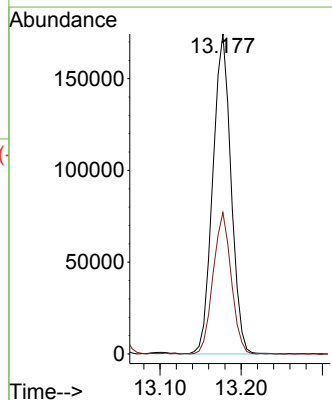
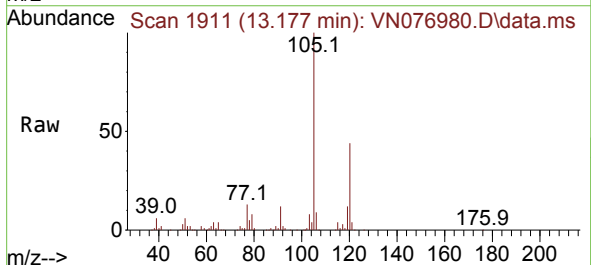
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

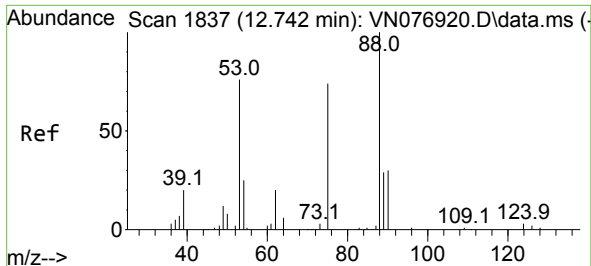
Tgt Ion: 91 Resp: 213198  
Ion Ratio Lower Upper  
91 100  
126 31.3 17.7 53.1



#80  
1,3,5-Trimethylbenzene  
Concen: 21.365 ug/l  
RT: 13.177 min Scan# 1911  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 105 Resp: 272147  
Ion Ratio Lower Upper  
105 100  
120 43.9 25.2 75.6

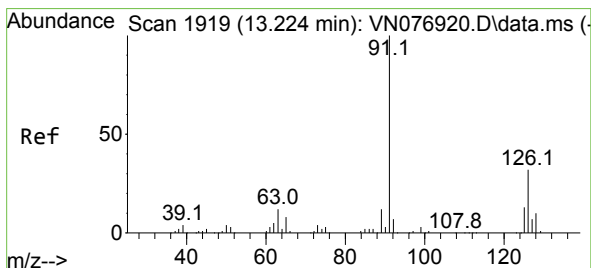
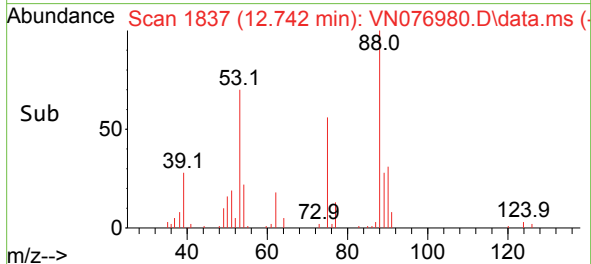
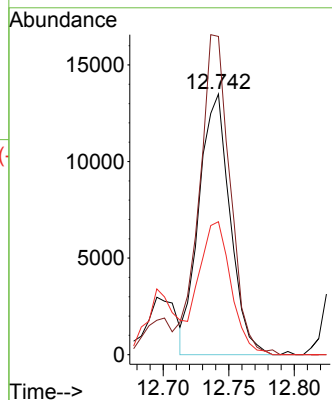
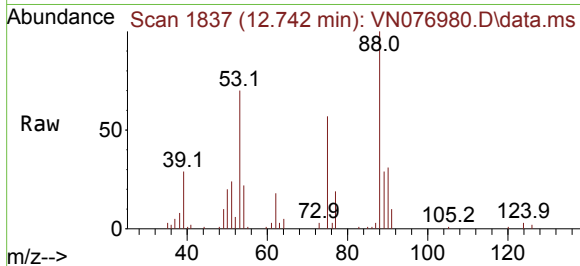




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.865 ug/l  
RT: 12.742 min Scan# 1837  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

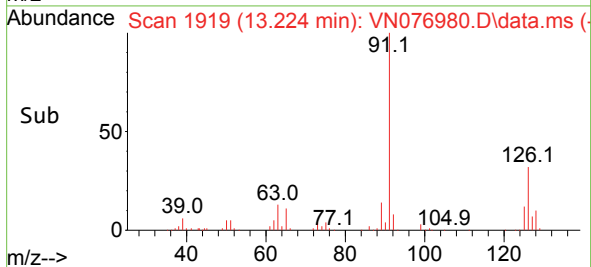
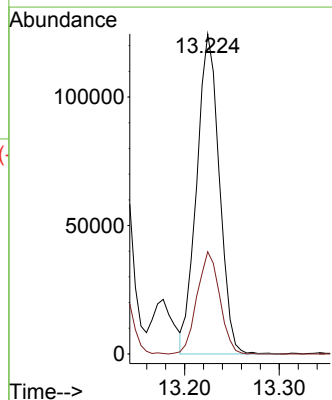
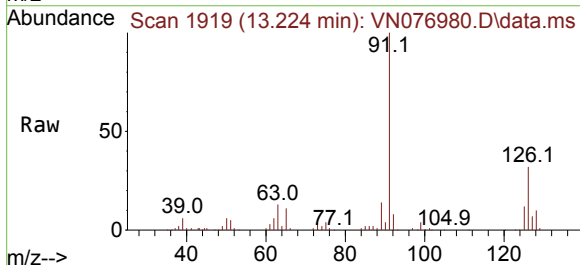
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBSD01

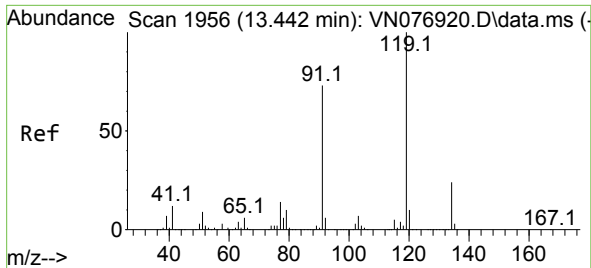
Tgt Ion: 75 Resp: 22252  
Ion Ratio Lower Upper  
75 100  
53 121.9 67.4 101.0#  
89 51.5 39.5 59.3



#82  
4-Chlorotoluene  
Concen: 20.221 ug/l  
RT: 13.224 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: VN076980.D  
Acq: 14 Mar 2023 14:20

Tgt Ion: 91 Resp: 206330  
Ion Ratio Lower Upper  
91 100  
126 32.0 18.0 54.0

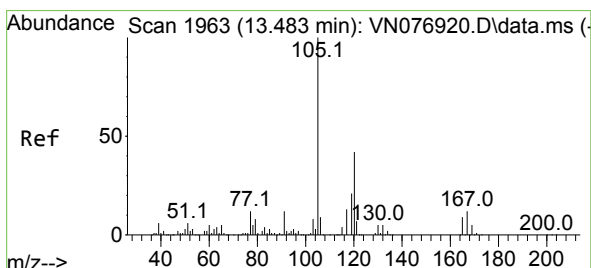
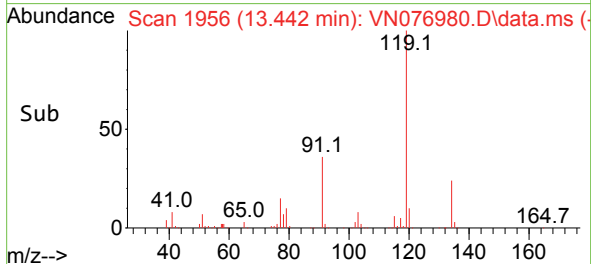
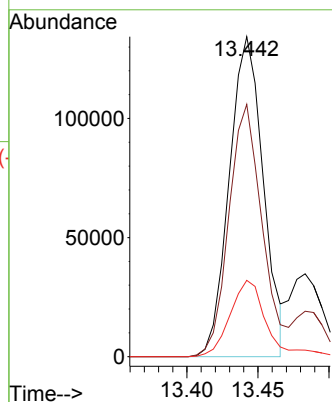
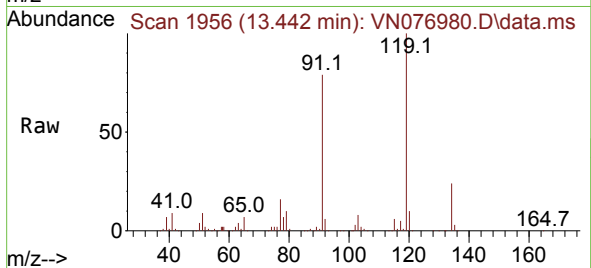




#83  
 tert-Butylbenzene  
 Concen: 20.703 ug/l  
 RT: 13.442 min Scan# 1956  
 Delta R.T. 0.000 min  
 Lab File: VN076980.D  
 Acq: 14 Mar 2023 14:20

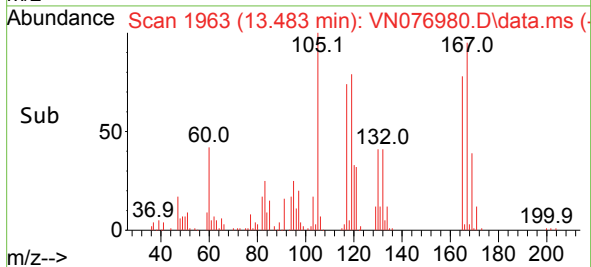
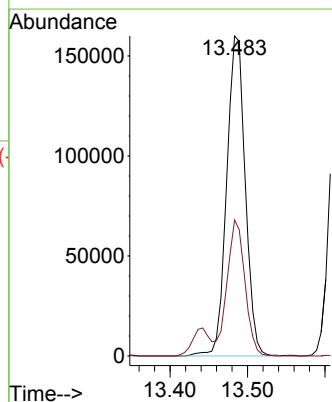
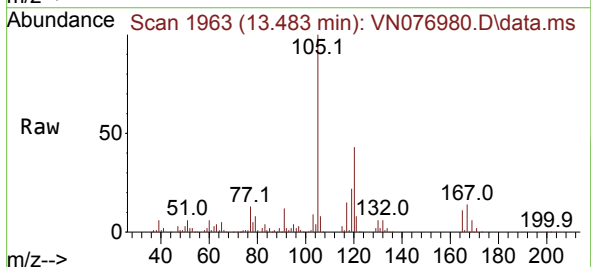
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0314WBSD01

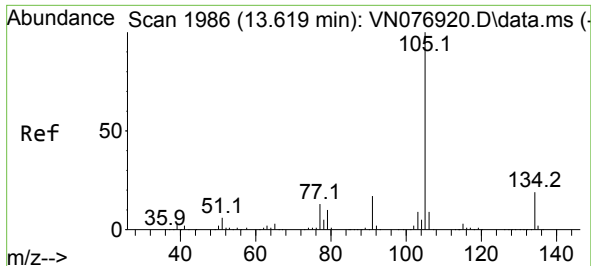
Tgt Ion:119 Resp: 224043  
 Ion Ratio Lower Upper  
 119 100  
 91 77.8 31.9 95.5  
 134 25.6 13.8 41.4



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.970 ug/l  
 RT: 13.483 min Scan# 1963  
 Delta R.T. 0.000 min  
 Lab File: VN076980.D  
 Acq: 14 Mar 2023 14:20

Tgt Ion:105 Resp: 267246  
 Ion Ratio Lower Upper  
 105 100  
 120 41.2 23.6 70.8

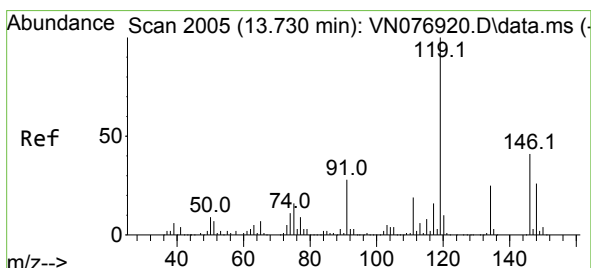
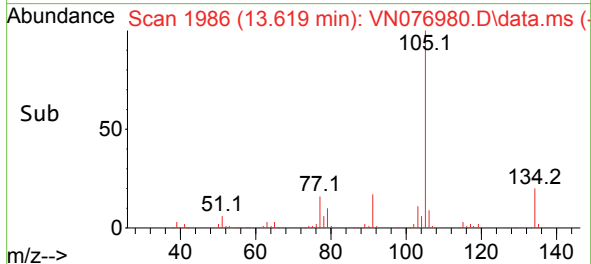
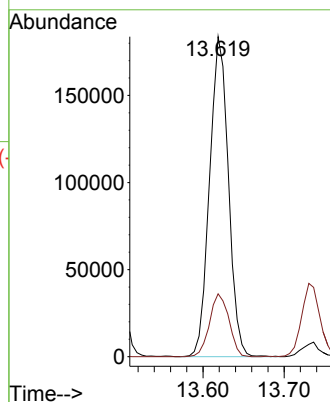
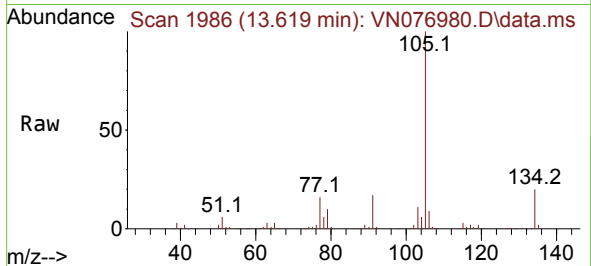




#85  
 sec-Butylbenzene  
 Concen: 19.936 ug/l  
 RT: 13.619 min Scan# 1986  
 Delta R.T. -0.000 min  
 Lab File: VN076980.D  
 Acq: 14 Mar 2023 14:20

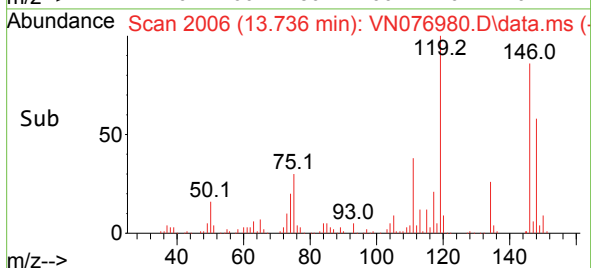
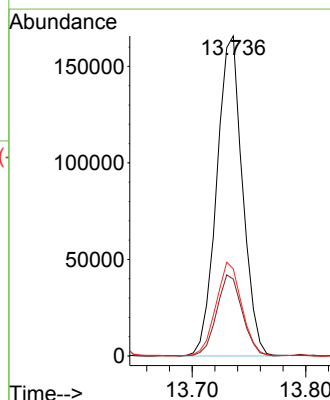
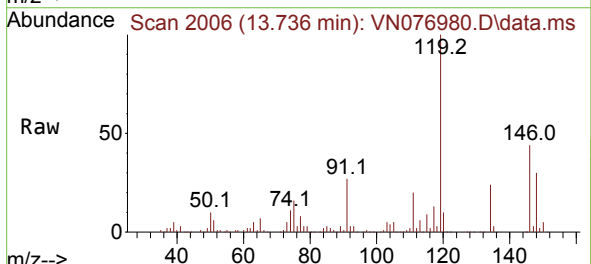
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0314WBSD01

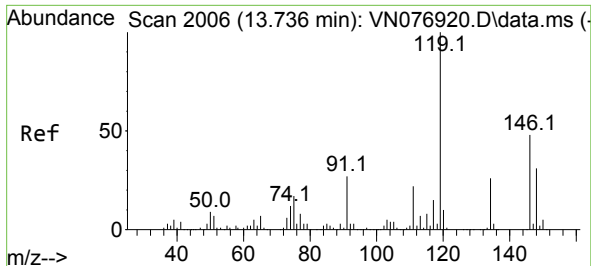
Tgt Ion:105 Resp: 295718  
 Ion Ratio Lower Upper  
 105 100  
 134 20.2 10.4 31.2



#86  
 p-Isopropyltoluene  
 Concen: 21.804 ug/l  
 RT: 13.736 min Scan# 2006  
 Delta R.T. 0.006 min  
 Lab File: VN076980.D  
 Acq: 14 Mar 2023 14:20

Tgt Ion:119 Resp: 261186  
 Ion Ratio Lower Upper  
 119 100  
 134 25.2 13.5 40.5  
 91 29.4 11.2 33.6

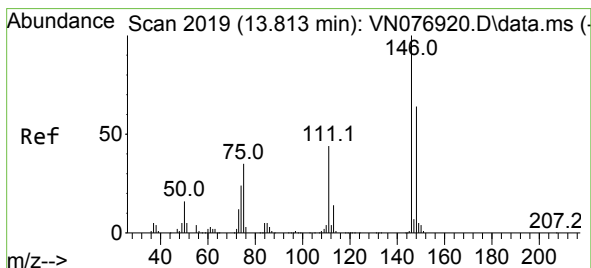
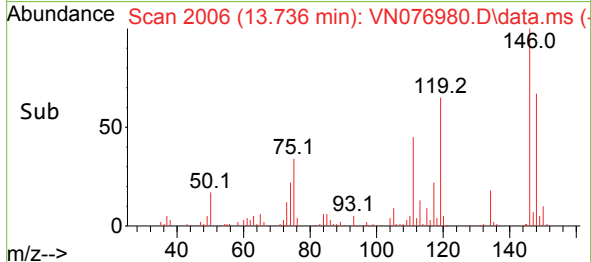
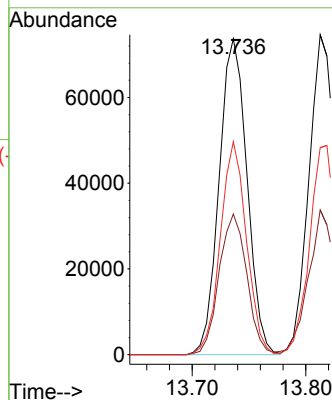
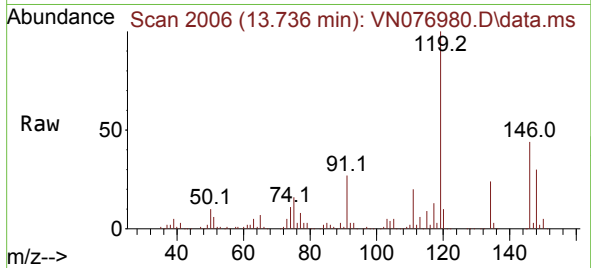




#87  
 1,3-Dichlorobenzene  
 Concen: 20.647 ug/l  
 RT: 13.736 min Scan# 2006  
 Delta R.T. 0.000 min  
 Lab File: VN076980.D  
 Acq: 14 Mar 2023 14:20

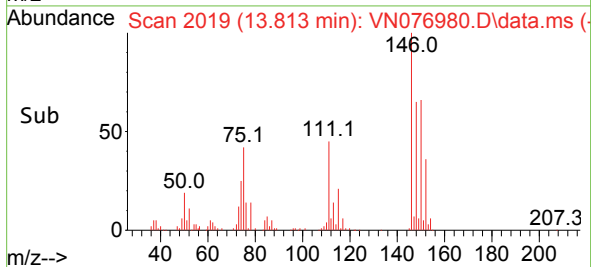
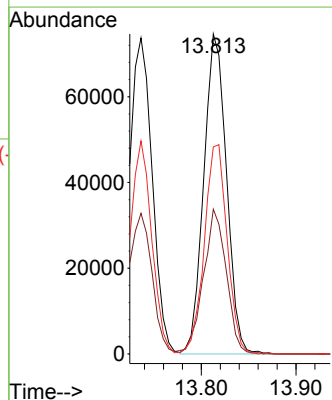
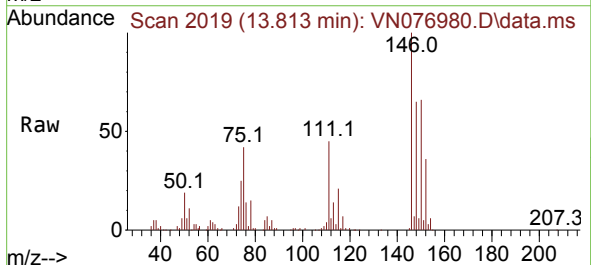
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0314WBSD01

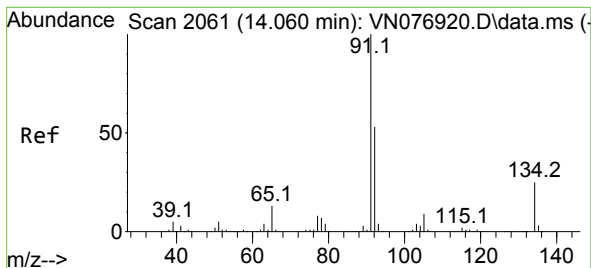
Tgt Ion:146 Resp: 125793  
 Ion Ratio Lower Upper  
 146 100  
 111 44.3 20.4 61.2  
 148 63.1 31.5 94.5



#88  
 1,4-Dichlorobenzene  
 Concen: 20.371 ug/l  
 RT: 13.813 min Scan# 2019  
 Delta R.T. -0.000 min  
 Lab File: VN076980.D  
 Acq: 14 Mar 2023 14:20

Tgt Ion:146 Resp: 124506  
 Ion Ratio Lower Upper  
 146 100  
 111 45.7 20.0 60.0  
 148 65.8 31.8 95.4





#89

n-Butylbenzene

Concen: 19.855 ug/l

RT: 14.060 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBSD01

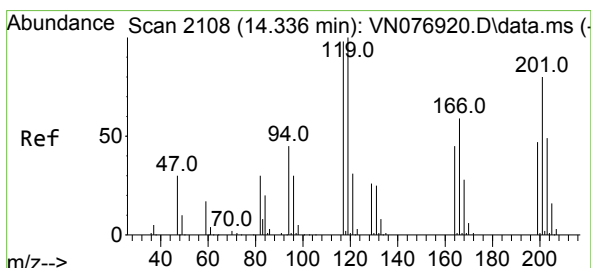
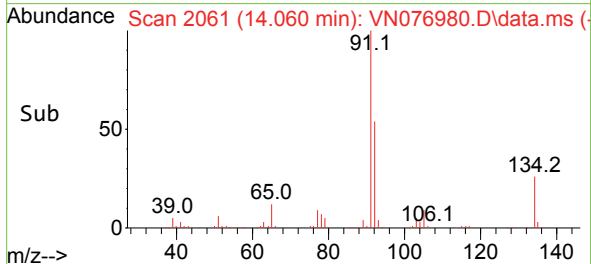
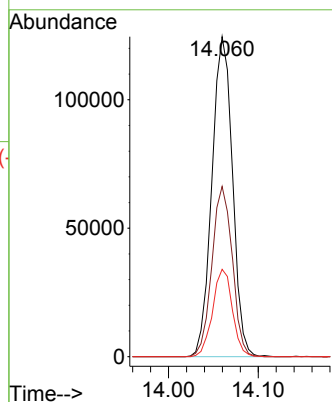
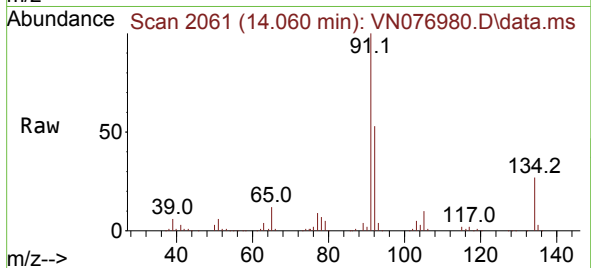
Tgt Ion: 91 Resp: 198464

Ion Ratio Lower Upper

91 100

92 52.7 26.6 79.7

134 26.2 13.6 40.7



#90

Hexachloroethane

Concen: 20.463 ug/l

RT: 14.336 min Scan# 2108

Delta R.T. 0.000 min

Lab File: VN076980.D

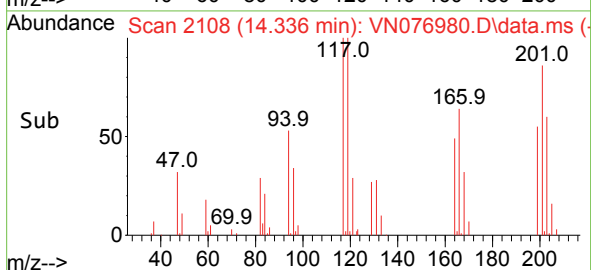
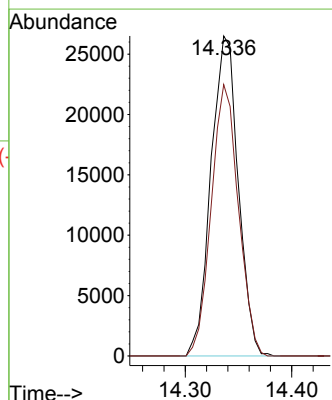
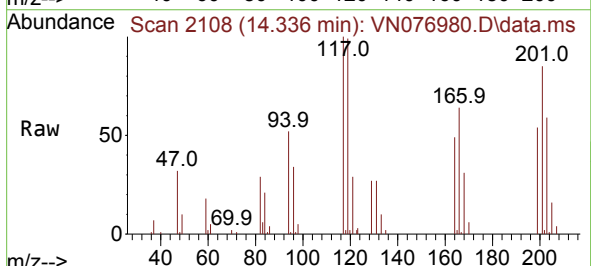
Acq: 14 Mar 2023 14:20

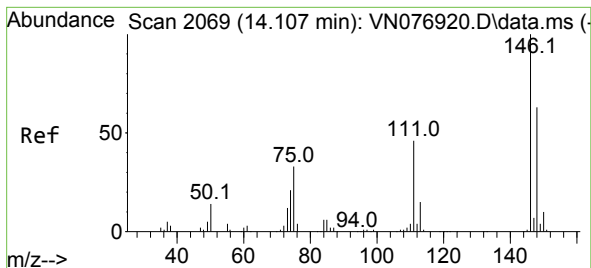
Tgt Ion: 117 Resp: 47100

Ion Ratio Lower Upper

117 100

201 84.5 31.9 95.7





#91

1,2-Dichlorobenzene

Concen: 20.269 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBSD01

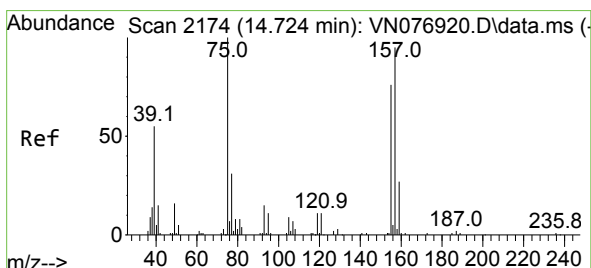
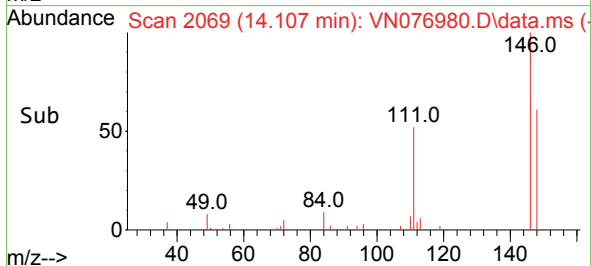
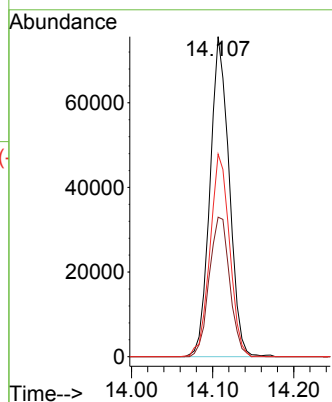
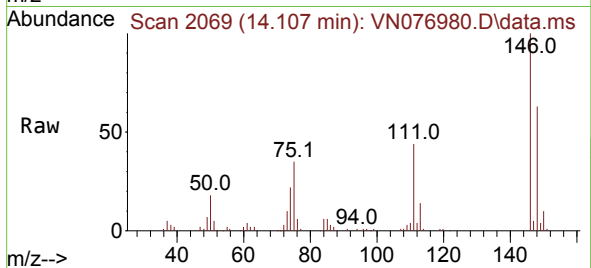
Tgt Ion:146 Resp: 124059

Ion Ratio Lower Upper

146 100

111 46.7 21.4 64.2

148 64.5 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.473 ug/l

RT: 14.724 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

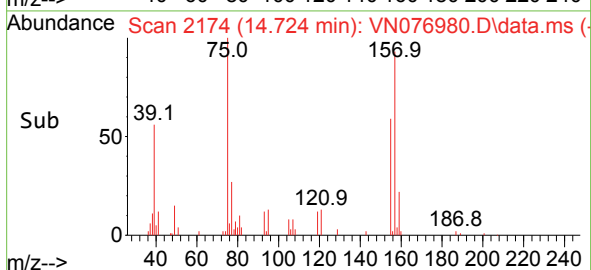
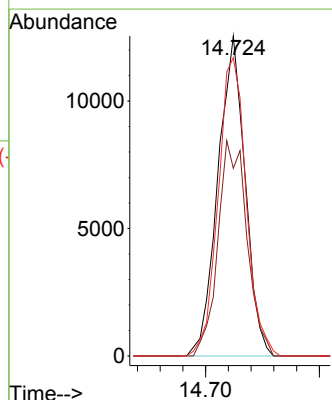
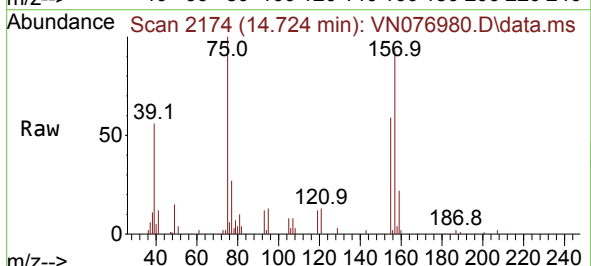
Tgt Ion: 75 Resp: 20860

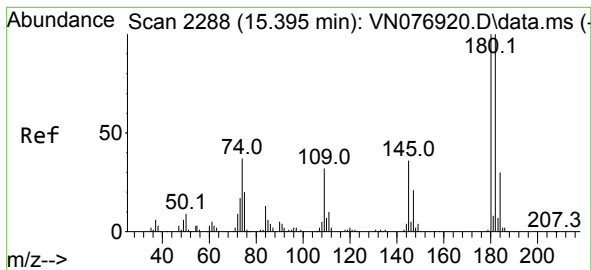
Ion Ratio Lower Upper

75 100

155 71.7 44.3 132.8

157 96.2 58.3 174.8





#93

1,2,4-Trichlorobenzene

Concen: 22.251 ug/l

RT: 15.395 min Scan# 2288

Delta R.T. -0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBSD01

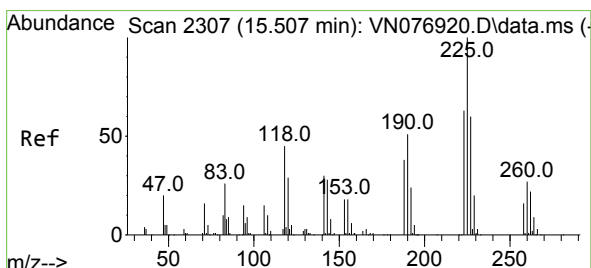
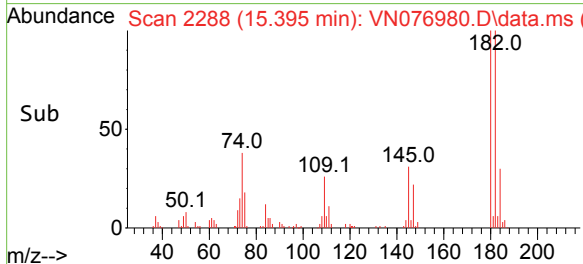
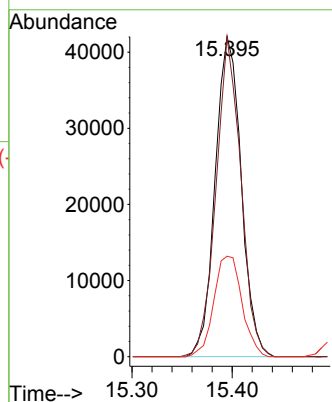
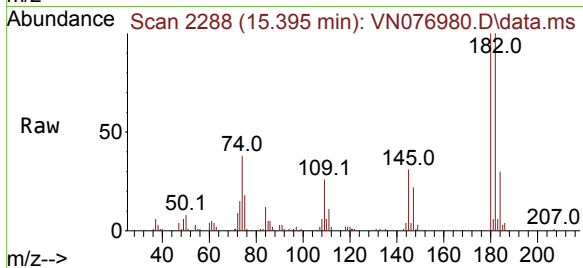
Tgt Ion:180 Resp: 75701

Ion Ratio Lower Upper

180 100

182 95.2 47.4 142.2

145 34.0 15.8 47.3



#94

Hexachlorobutadiene

Concen: 26.073 ug/l

RT: 15.507 min Scan# 2307

Delta R.T. -0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

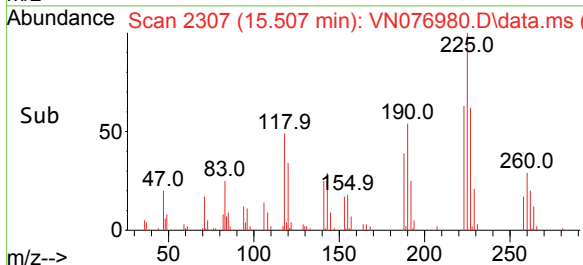
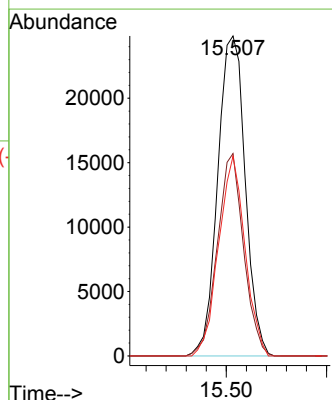
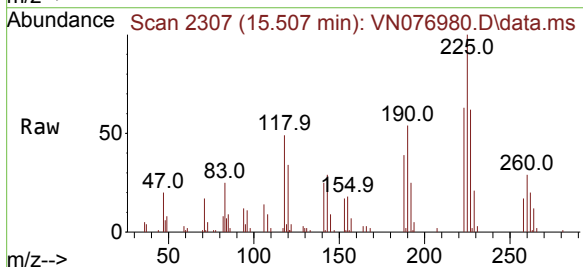
Tgt Ion:225 Resp: 47260

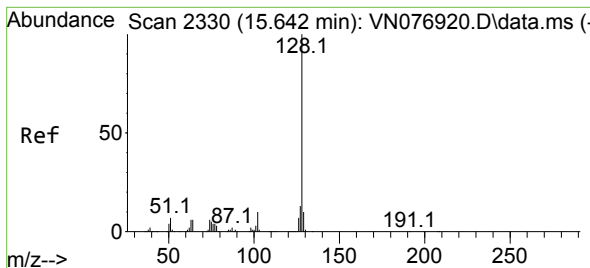
Ion Ratio Lower Upper

225 100

223 60.5 31.4 94.0

227 59.8 30.9 92.7





#95

Naphthalene

Concen: 20.949 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBSD01

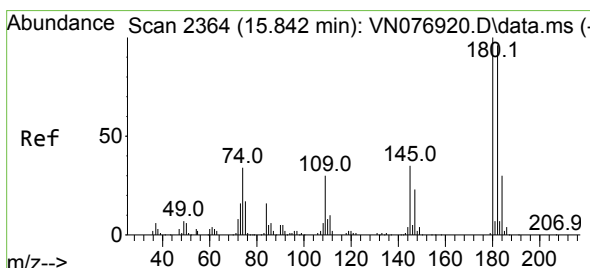
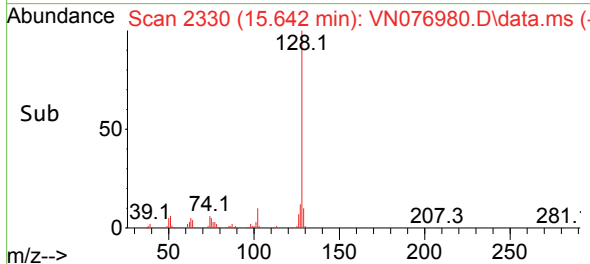
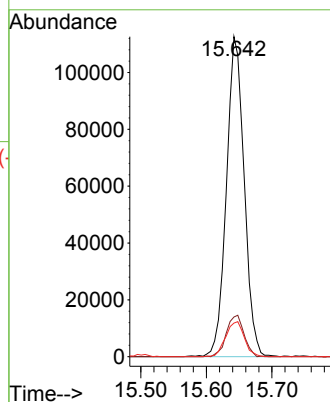
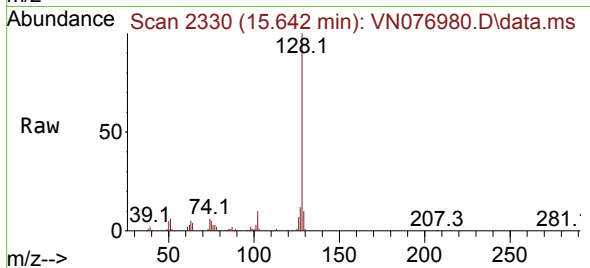
Tgt Ion:128 Resp: 212189

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.5 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 22.278 ug/l

RT: 15.842 min Scan# 2364

Delta R.T. -0.000 min

Lab File: VN076980.D

Acq: 14 Mar 2023 14:20

Tgt Ion:180 Resp: 73599

Ion Ratio Lower Upper

180 100

182 94.1 47.7 143.1

145 35.7 17.0 51.0

