

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041223\  
 Data File : VN077313.D  
 Acq On : 12 Apr 2023 13:29  
 Operator : JC\MD  
 Sample : VN0412WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0412WBSD01

Quant Time: Apr 13 01:13:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 06 08:27:03 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.231  | 168  | 491802   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.107  | 114  | 929503   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.866 | 117  | 820556   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 333692   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.584  | 65    | 352074   | 52.379   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 104.760% |      |
| 35) Dibromofluoromethane    | 8.172  | 113   | 311800   | 52.400   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 104.800% |      |
| 50) Toluene-d8              | 10.572 | 98    | 1240681  | 51.794   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 103.580% |      |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 390820   | 49.056   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 98.120%  |      |

|                              |       |     |         |         |      |     |
|------------------------------|-------|-----|---------|---------|------|-----|
| Target Compounds             |       |     |         | Qvalue  |      |     |
| 2) Dichlorodifluoromethane   | 2.137 | 85  | 112239  | 17.881  | ug/l | 98  |
| 3) Chloromethane             | 2.372 | 50  | 130825  | 16.818  | ug/l | 98  |
| 4) Vinyl Chloride            | 2.525 | 62  | 185753  | 17.612  | ug/l | 98  |
| 5) Bromomethane              | 2.960 | 94  | 133797  | 17.499  | ug/l | 95  |
| 6) Chloroethane              | 3.131 | 64  | 121313  | 16.117  | ug/l | 98  |
| 7) Trichlorofluoromethane    | 3.502 | 101 | 182038  | 19.906  | ug/l | 99  |
| 8) Diethyl Ether             | 3.966 | 74  | 72726   | 18.978  | ug/l | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 4.378 | 101 | 109255  | 19.521  | ug/l | 98  |
| 10) Methyl Iodide            | 4.601 | 142 | 126901  | 18.644  | ug/l | 98  |
| 11) Tert butyl alcohol       | 5.531 | 59  | 116582  | 85.000  | ug/l | 99  |
| 12) 1,1-Dichloroethene       | 4.348 | 96  | 105162  | 18.254  | ug/l | 85  |
| 13) Acrolein                 | 4.190 | 56  | 121116  | 93.238  | ug/l | 95  |
| 14) Allyl chloride           | 5.037 | 41  | 137753  | 15.831  | ug/l | 90  |
| 15) Acrylonitrile            | 5.731 | 53  | 266676  | 87.949  | ug/l | 99  |
| 16) Acetone                  | 4.437 | 43  | 225921  | 91.160  | ug/l | 99  |
| 17) Carbon Disulfide         | 4.719 | 76  | 275351  | 17.724  | ug/l | 96  |
| 18) Methyl Acetate           | 5.037 | 43  | 170129  | 18.024  | ug/l | 97  |
| 19) Methyl tert-butyl Ether  | 5.807 | 73  | 377186  | 18.451  | ug/l | 99  |
| 20) Methylene Chloride       | 5.284 | 84  | 123885  | 17.700  | ug/l | 99  |
| 21) trans-1,2-Dichloroethene | 5.801 | 96  | 118007  | 18.708  | ug/l | 90  |
| 22) Diisopropyl ether        | 6.684 | 45  | 318868  | 18.279  | ug/l | 100 |
| 23) Vinyl Acetate            | 6.607 | 43  | 1209890 | 102.576 | ug/l | 99  |
| 24) 1,1-Dichloroethane       | 6.584 | 63  | 208883  | 18.543  | ug/l | 98  |
| 25) 2-Butanone               | 7.489 | 43  | 355655  | 88.423  | ug/l | 98  |
| 26) 2,2-Dichloropropane      | 7.501 | 77  | 200489  | 19.409  | ug/l | 98  |
| 27) cis-1,2-Dichloroethene   | 7.495 | 96  | 143686  | 18.653  | ug/l | 98  |
| 28) Bromochloromethane       | 7.819 | 49  | 91086   | 20.102  | ug/l | 96  |
| 29) Tetrahydrofuran          | 7.842 | 42  | 223977  | 86.626  | ug/l | 98  |
| 30) Chloroform               | 7.972 | 83  | 226090  | 18.821  | ug/l | 100 |
| 31) Cyclohexane              | 8.260 | 56  | 190995  | 18.287  | ug/l | 98  |
| 32) 1,1,1-Trichloroethane    | 8.172 | 97  | 205537  | 18.813  | ug/l | 98  |
| 36) 1,1-Dichloropropene      | 8.378 | 75  | 169005  | 19.204  | ug/l | 98  |
| 37) Ethyl Acetate            | 7.566 | 43  | 141375  | 17.955  | ug/l | 98  |
| 38) Carbon Tetrachloride     | 8.372 | 117 | 176059  | 19.526  | ug/l | 94  |
| 39) Methylcyclohexane        | 9.607 | 83  | 229272  | 19.320  | ug/l | 98  |
| 40) Benzene                  | 8.613 | 78  | 516101  | 18.801  | ug/l | 98  |

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 Acq On : 12 Apr 2023 13:29  
 Operator : JC\MD  
 Sample : VN0412WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0412WBSD01

Quant Time: Apr 13 01:13:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 06 08:27:03 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.789  | 41   | 71799    | 16.964  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.678  | 62   | 163605   | 19.365  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.695  | 43   | 254669   | 17.528  | ug/l   | 99       |
| 44) Trichloroethene           | 9.360  | 130  | 128375   | 19.545  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.625  | 63   | 126141   | 19.349  | ug/l   | 94       |
| 46) Dibromomethane            | 9.713  | 93   | 94870    | 19.314  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.895  | 83   | 184811   | 18.824  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.689  | 41   | 112083   | 18.083  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.701  | 88   | 55757    | 371.044 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.448 | 43   | 762119   | 90.746  | ug/l   | 100      |
| 52) Toluene                   | 10.636 | 92   | 346341   | 19.276  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.842 | 75   | 203983   | 19.134  | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene   | 10.313 | 75   | 221563   | 19.511  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 11.019 | 97   | 138135   | 19.585  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.878 | 69   | 211496   | 19.252  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.166 | 76   | 226218   | 19.414  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.166 | 63   | 309649   | 94.688  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.201 | 43   | 571850   | 91.397  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.360 | 129  | 145350   | 20.009  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.472 | 107  | 136448   | 19.382  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.107 | 164  | 98255    | 19.383  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.895 | 112  | 364182   | 20.159  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.966 | 131  | 131151   | 19.187  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.966 | 91   | 661548   | 19.845  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.077 | 106  | 507588   | 38.751  | ug/l   | 100      |
| 69) o-Xylene                  | 12.401 | 106  | 260465   | 20.156  | ug/l   | 100      |
| 70) Styrene                   | 12.413 | 104  | 406592   | 19.553  | ug/l   | 99       |
| 71) Bromoform                 | 12.583 | 173  | 93384    | 19.408  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.701 | 105  | 655586   | 20.227  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.495 | 43   | 221423   | 18.027  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.942 | 83   | 201840   | 19.844  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.995 | 75   | 245023   | 30.836  | ug/l   | 61       |
| 77) Bromobenzene              | 12.983 | 156  | 134610   | 20.426  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.042 | 91   | 721645   | 20.151  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.130 | 91   | 429912   | 19.937  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 534953   | 20.665  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.736 | 75   | 74535    | 21.108  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 415469   | 20.435  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.442 | 119  | 465080   | 20.184  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.489 | 105  | 512406   | 20.036  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.618 | 105  | 662936   | 20.644  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.736 | 119  | 516730   | 20.474  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.736 | 146  | 244776   | 20.076  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.818 | 146  | 241797   | 20.110  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.060 | 91   | 420017   | 20.047  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.336 | 117  | 111216   | 20.155  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 14.113 | 146  | 249571   | 20.462  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.724 | 75   | 35081    | 18.199  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.371 | 180  | 76522    | 17.379  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.471 | 225  | 48676    | 19.098  | ug/l   | 98       |
| 95) Naphthalene               | 15.589 | 128  | 281849   | 17.040  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.760 | 180  | 71180    | 16.901  | ug/l   | 99       |

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Data File : VN077313.D  
Acq On : 12 Apr 2023 13:29  
Operator : JC\MD  
Sample : VN0412WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

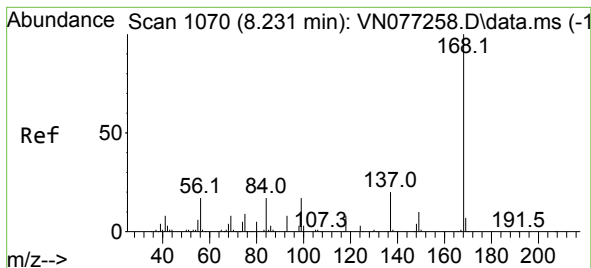
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

Quant Time: Apr 13 01:13:59 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 06 08:27:03 2023  
Response via : Initial Calibration

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

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

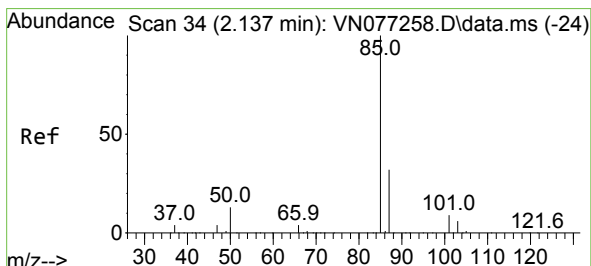
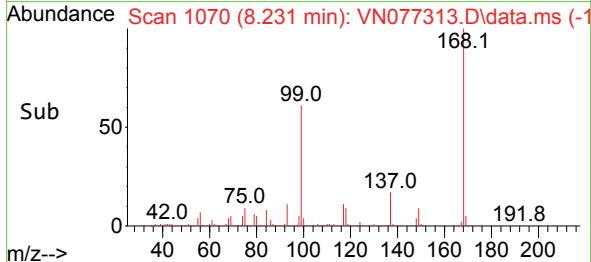
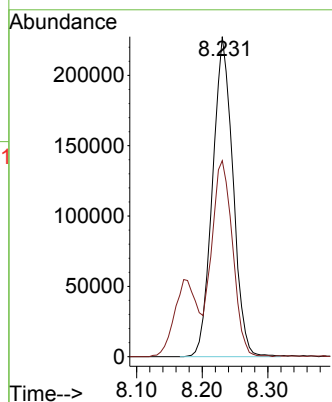
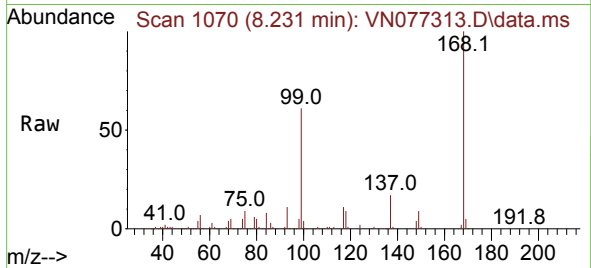




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

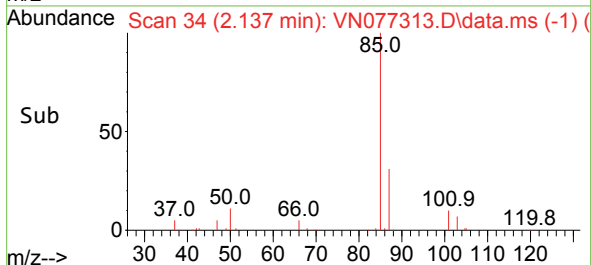
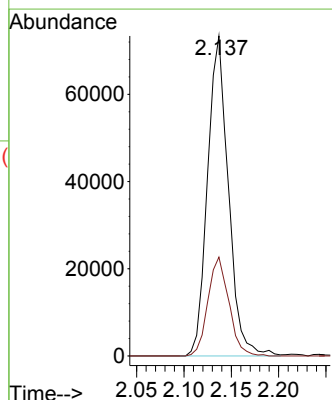
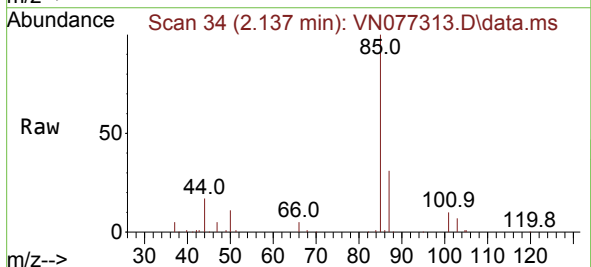
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

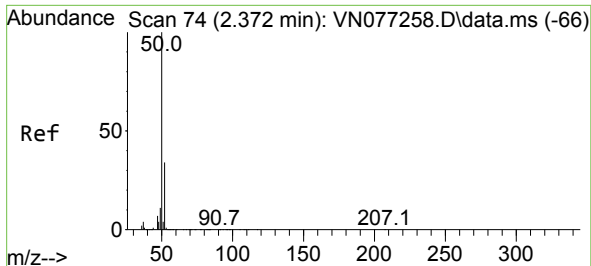
Tgt Ion:168 Resp: 491802  
Ion Ratio Lower Upper  
168 100  
99 61.0 50.6 75.8



#2  
Dichlorodifluoromethane  
Concen: 17.881 ug/l  
RT: 2.137 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 85 Resp: 112239  
Ion Ratio Lower Upper  
85 100  
87 30.9 16.1 48.2

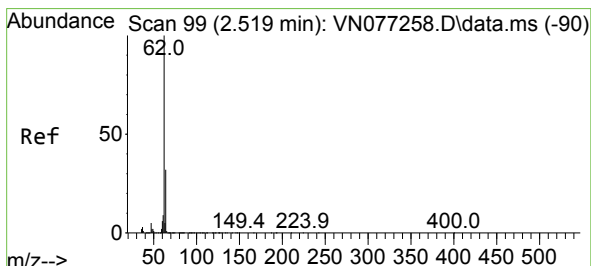
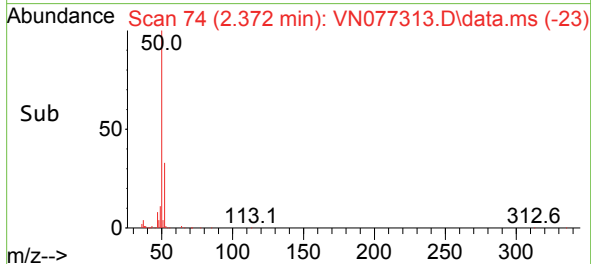
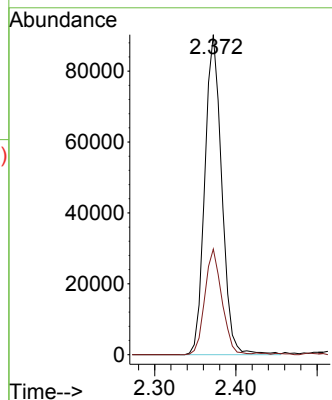
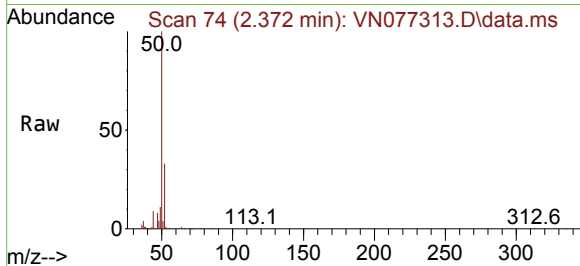




#3  
Chloromethane  
Concen: 16.818 ug/l  
RT: 2.372 min Scan# 74  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

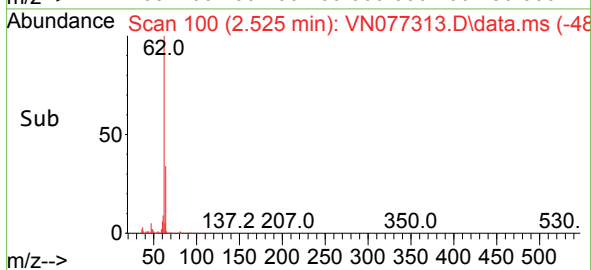
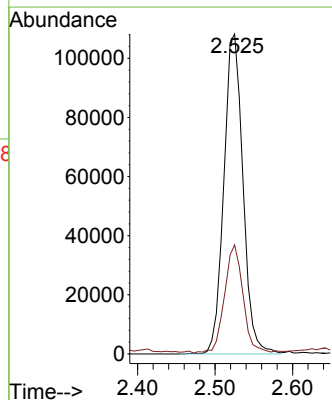
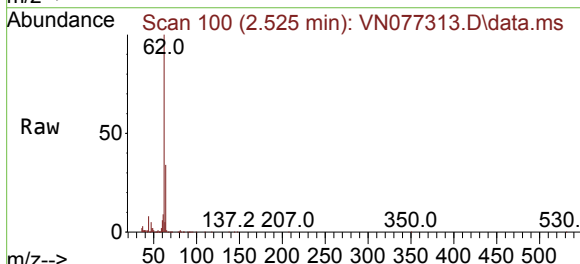
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

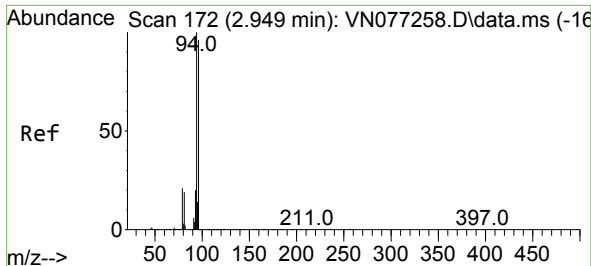
Tgt Ion: 50 Resp: 130825  
Ion Ratio Lower Upper  
50 100  
52 33.0 27.3 40.9



#4  
Vinyl Chloride  
Concen: 17.612 ug/l  
RT: 2.525 min Scan# 100  
Delta R.T. 0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 62 Resp: 185753  
Ion Ratio Lower Upper  
62 100  
64 33.5 25.8 38.8

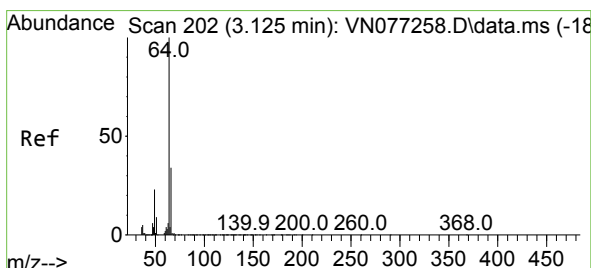
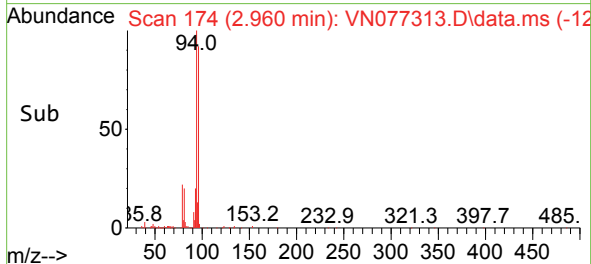
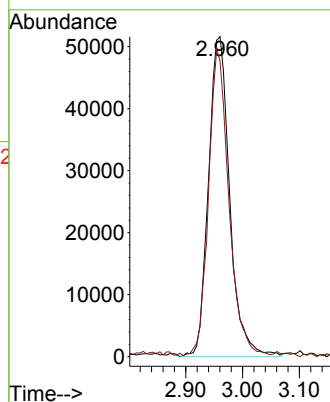
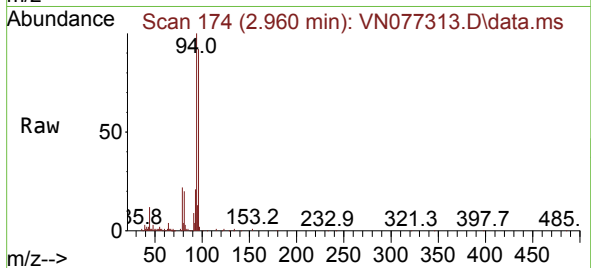




#5  
Bromomethane  
Concen: 17.499 ug/l  
RT: 2.960 min Scan# 174  
Delta R.T. 0.011 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

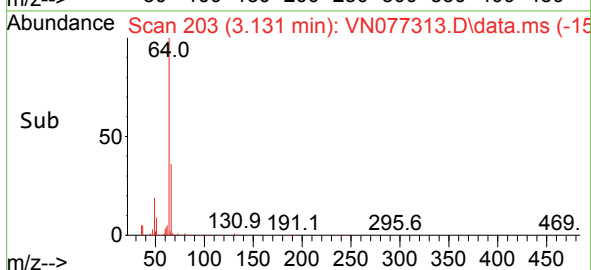
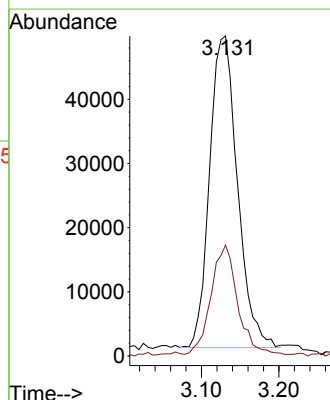
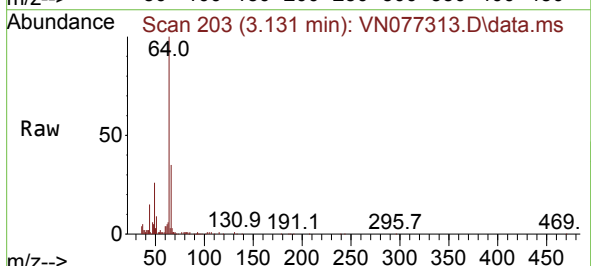
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

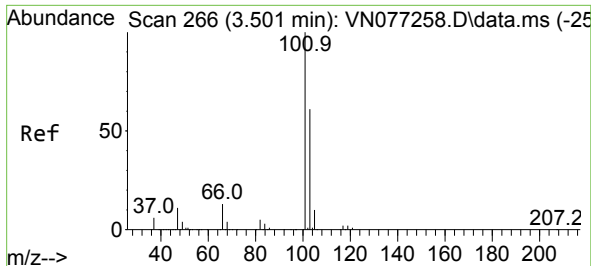
Tgt Ion: 94 Resp: 133797  
Ion Ratio Lower Upper  
94 100  
96 91.4 77.0 115.4



#6  
Chloroethane  
Concen: 16.117 ug/l  
RT: 3.131 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 64 Resp: 121313  
Ion Ratio Lower Upper  
64 100  
66 34.9 26.9 40.3

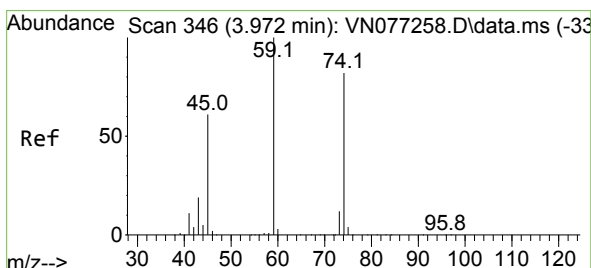
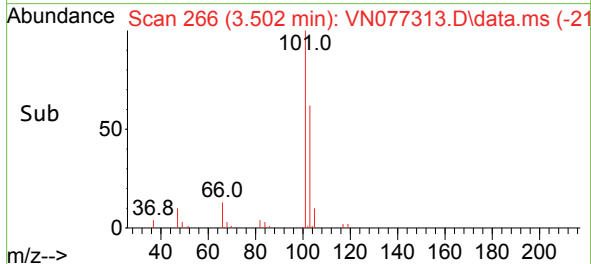
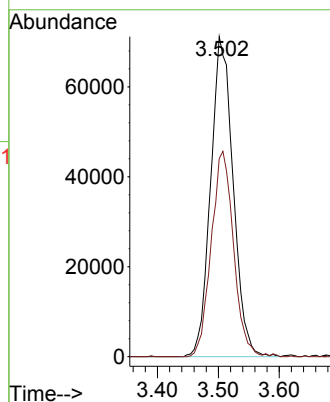
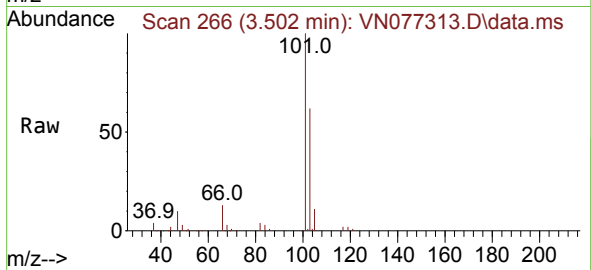




#7  
Trichlorofluoromethane  
Concen: 19.906 ug/l  
RT: 3.502 min Scan# 20  
Delta R.T. 0.001 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

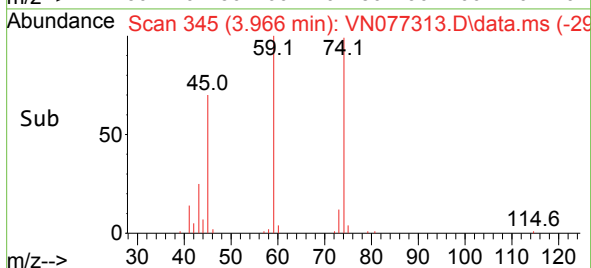
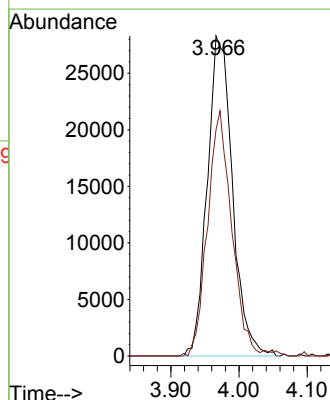
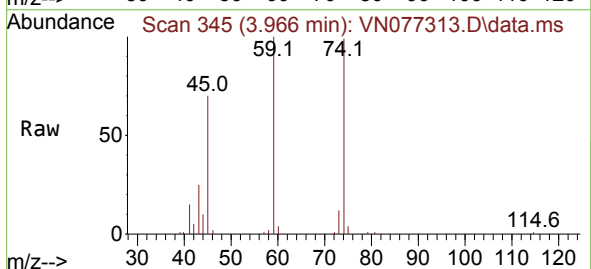
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

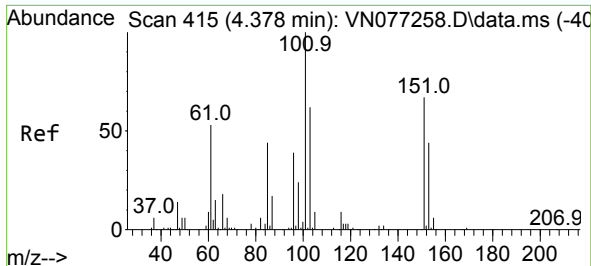
Tgt Ion:101 Resp: 182038  
Ion Ratio Lower Upper  
101 100  
103 62.0 49.0 73.4



#8  
Diethyl Ether  
Concen: 18.978 ug/l  
RT: 3.966 min Scan# 345  
Delta R.T. -0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 74 Resp: 72726  
Ion Ratio Lower Upper  
74 100  
45 73.1 37.8 113.4

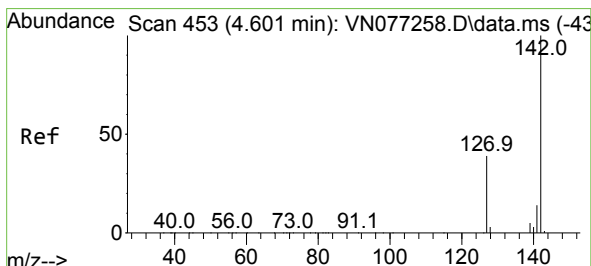
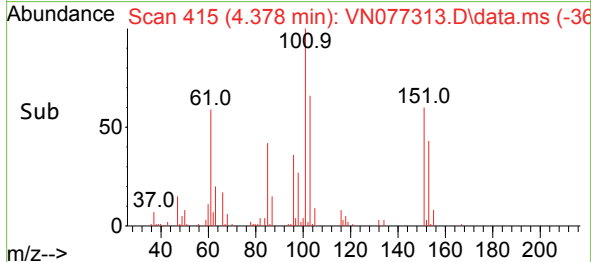
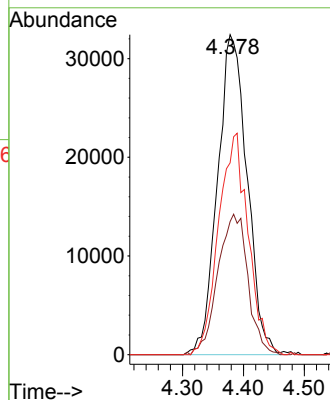
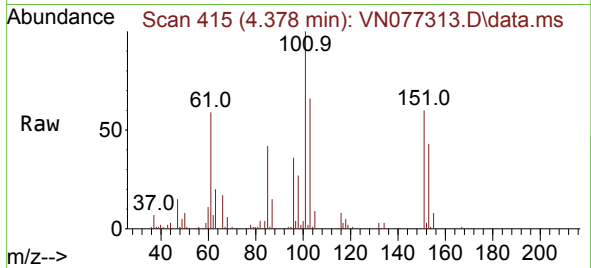




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.521 ug/l  
RT: 4.378 min Scan# 415  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

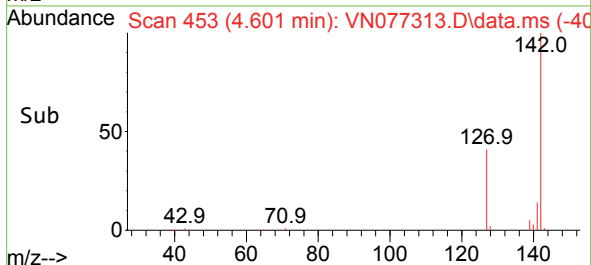
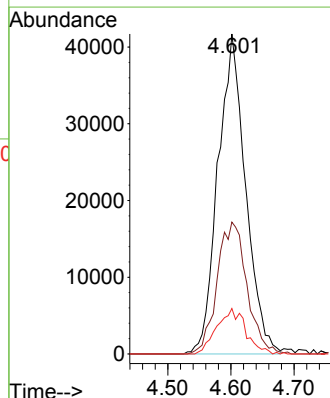
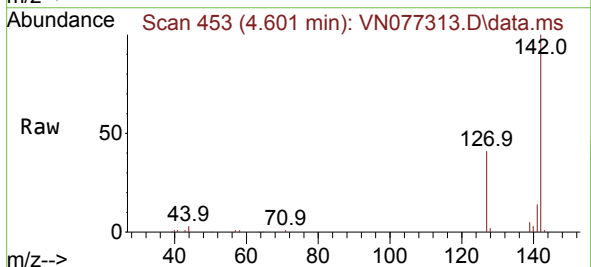
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

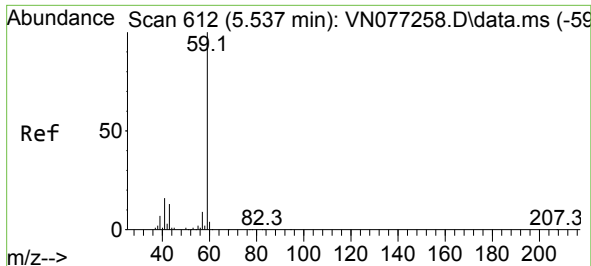
Tgt Ion:101 Resp: 109255  
Ion Ratio Lower Upper  
101 100  
85 44.7 37.3 55.9  
151 69.3 56.3 84.5



#10  
Methyl Iodide  
Concen: 18.644 ug/l  
RT: 4.601 min Scan# 453  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion:142 Resp: 126901  
Ion Ratio Lower Upper  
142 100  
127 41.2 31.5 47.3  
141 14.2 11.4 17.2

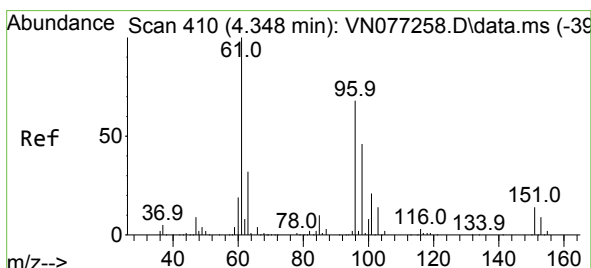
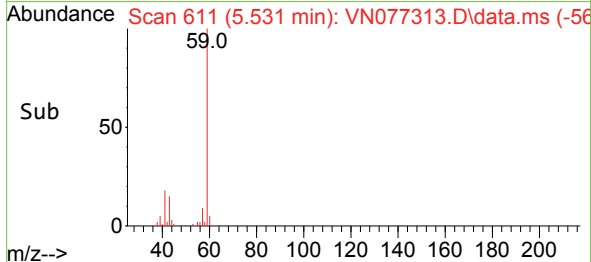
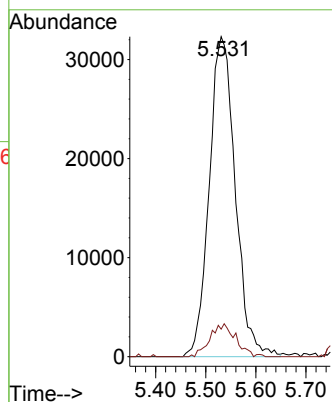
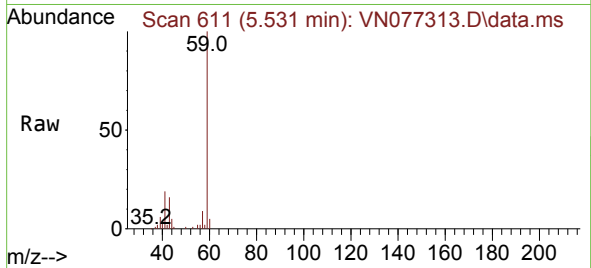




#11  
Tert butyl alcohol  
Concen: 85.000 ug/l  
RT: 5.531 min Scan# 611  
Delta R.T. -0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

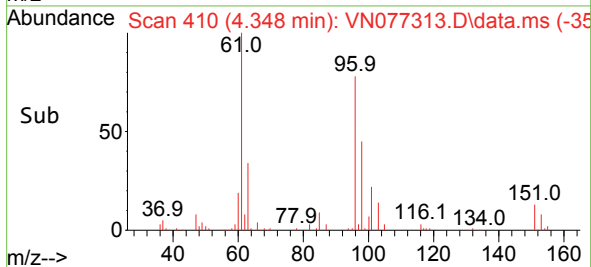
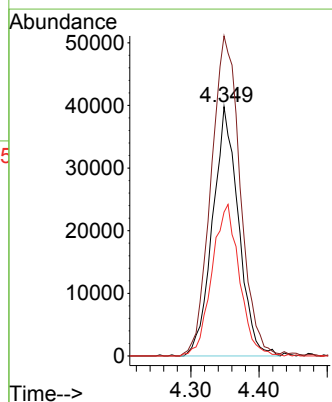
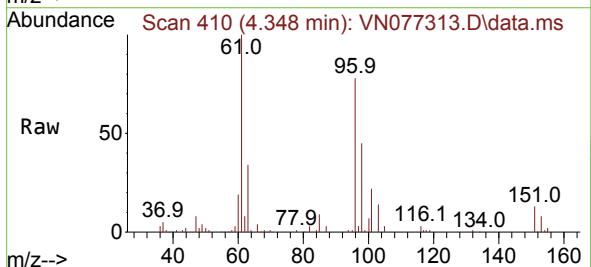
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

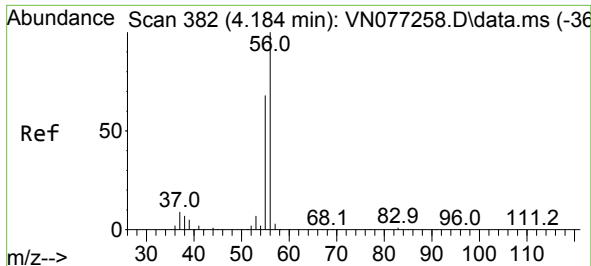
Tgt Ion: 59 Resp: 116582  
Ion Ratio Lower Upper  
59 100  
57 10.1 8.3 12.5



#12  
1,1-Dichloroethene  
Concen: 18.254 ug/l  
RT: 4.348 min Scan# 410  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 96 Resp: 105162  
Ion Ratio Lower Upper  
96 100  
61 128.4 118.3 177.5  
98 57.7 54.5 81.7





#13

Acrolein

Concen: 93.238 ug/l

RT: 4.190 min Scan# 382

Delta R.T. 0.006 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Instrument :

MSVOA\_N

ClientSampleId :

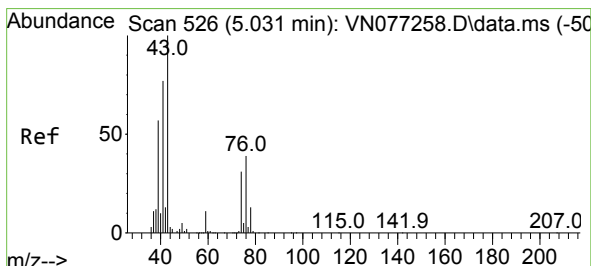
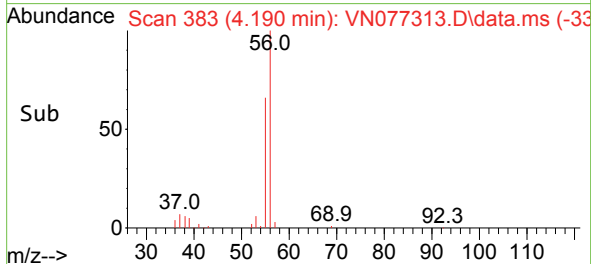
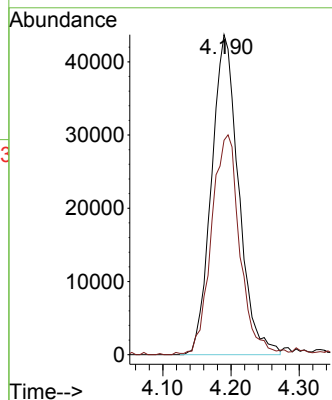
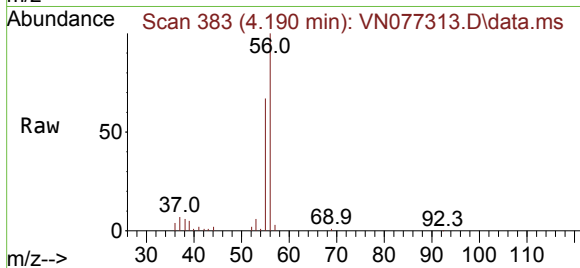
VN0412WBSD01

Tgt Ion: 56 Resp: 121116

Ion Ratio Lower Upper

56 100

55 71.9 54.2 81.2



#14

Allyl chloride

Concen: 15.831 ug/l

RT: 5.037 min Scan# 527

Delta R.T. 0.006 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

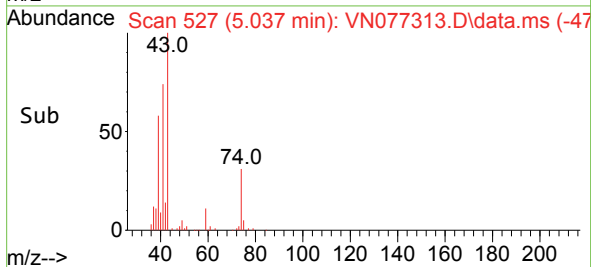
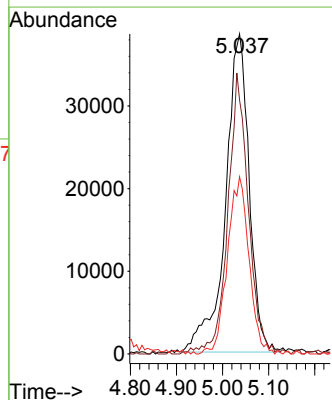
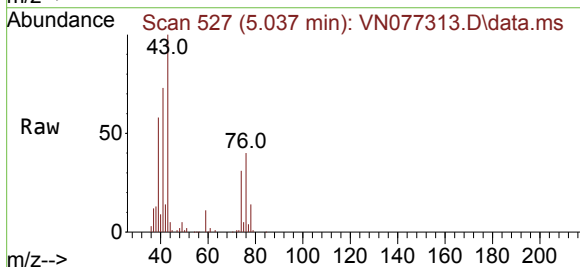
Tgt Ion: 41 Resp: 137753

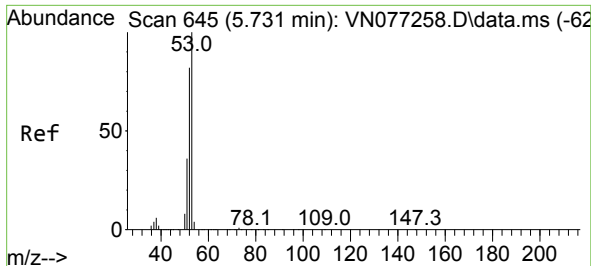
Ion Ratio Lower Upper

41 100

39 76.3 55.0 82.4

76 50.6 35.4 53.2

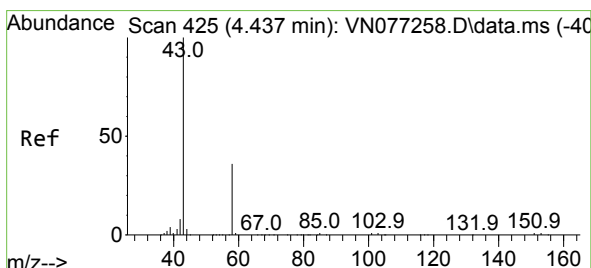
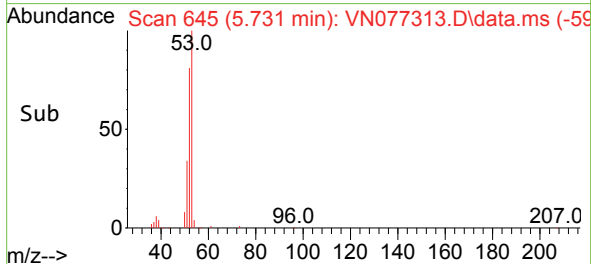
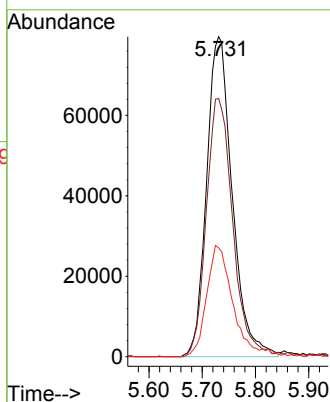
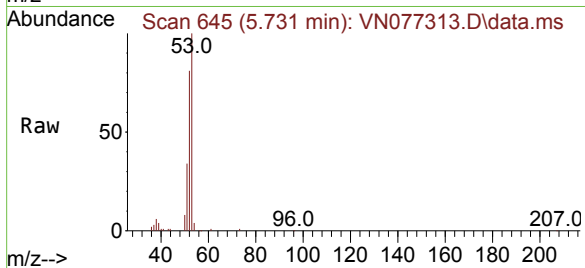




#15  
Acrylonitrile  
Concen: 87.949 ug/l  
RT: 5.731 min Scan# 645  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

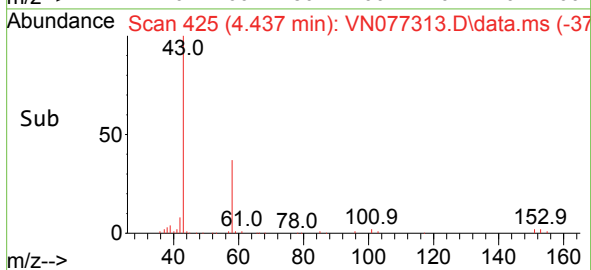
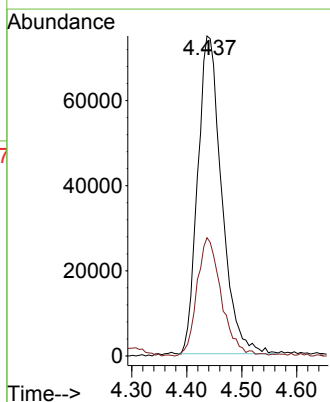
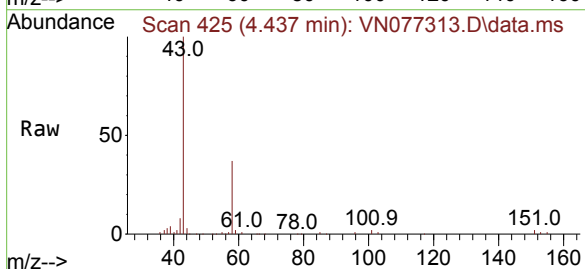
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

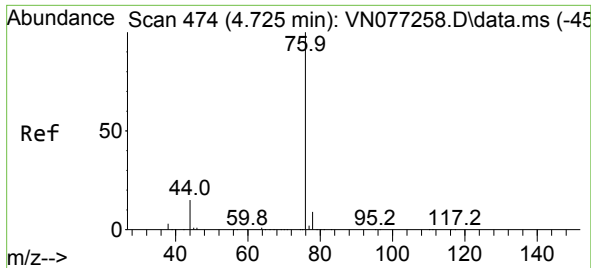
Tgt Ion: 53 Resp: 266676  
Ion Ratio Lower Upper  
53 100  
52 82.9 65.2 97.8  
51 35.5 28.1 42.1



#16  
Acetone  
Concen: 91.160 ug/l  
RT: 4.437 min Scan# 425  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 43 Resp: 225921  
Ion Ratio Lower Upper  
43 100  
58 36.9 29.0 43.6

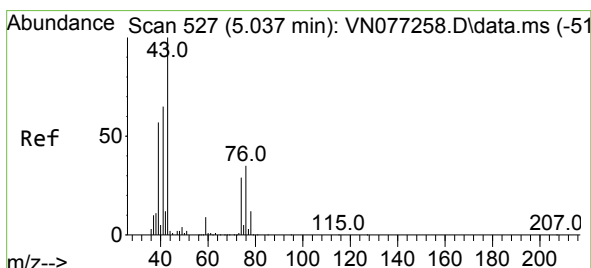
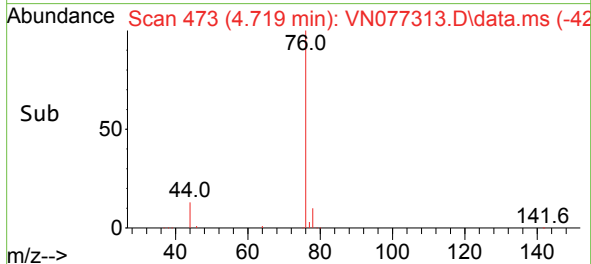
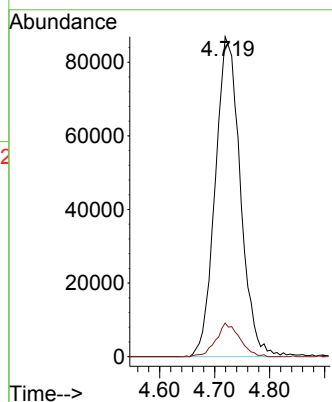
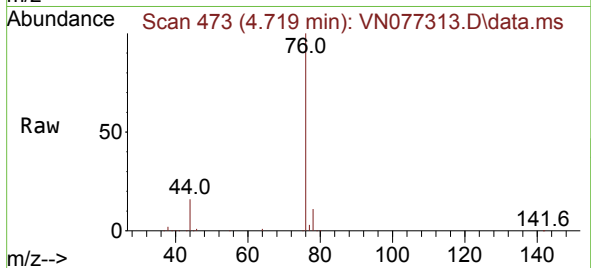




#17  
Carbon Disulfide  
Concen: 17.724 ug/l  
RT: 4.719 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

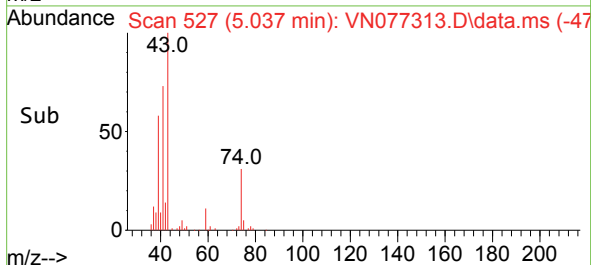
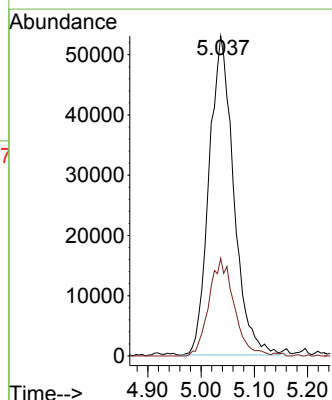
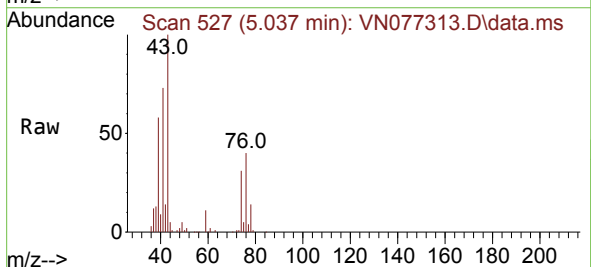
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

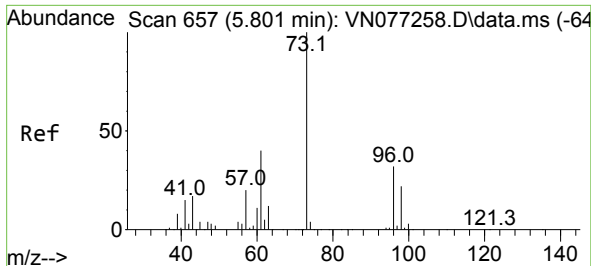
Tgt Ion: 76 Resp: 275351  
Ion Ratio Lower Upper  
76 100  
78 10.5 7.3 10.9



#18  
Methyl Acetate  
Concen: 18.024 ug/l  
RT: 5.037 min Scan# 527  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 43 Resp: 170129  
Ion Ratio Lower Upper  
43 100  
74 31.1 23.4 35.2

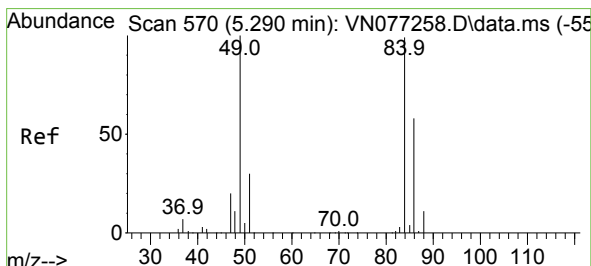
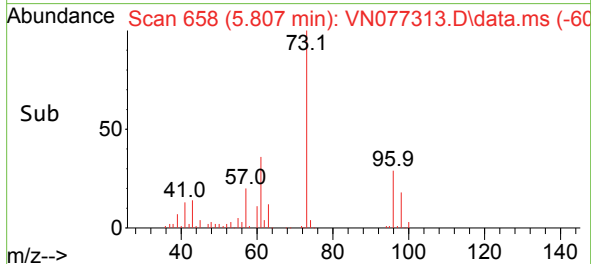
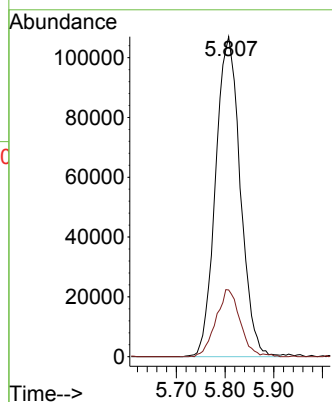
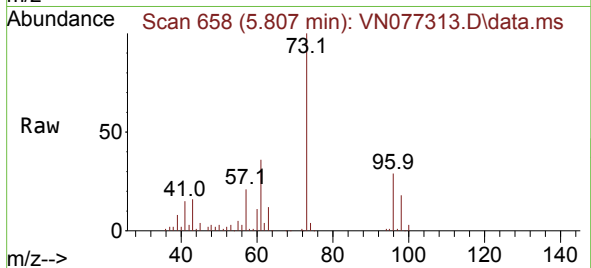




#19  
Methyl tert-butyl Ether  
Concen: 18.451 ug/l  
RT: 5.807 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

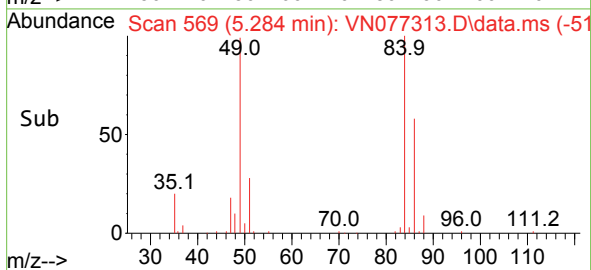
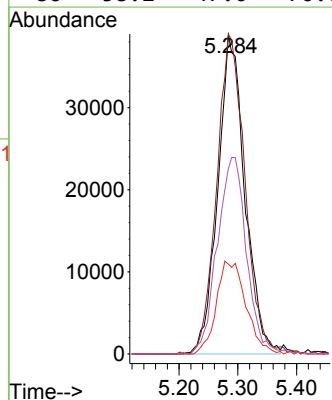
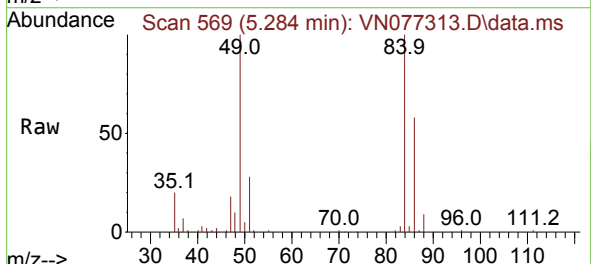
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

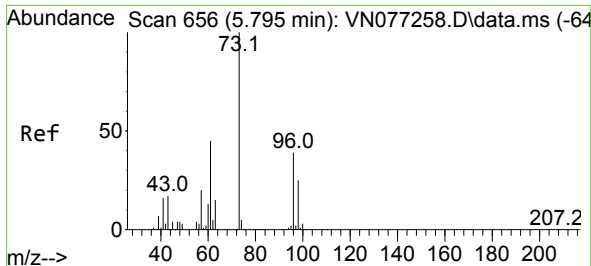
Tgt Ion: 73 Resp: 377186  
Ion Ratio Lower Upper  
73 100  
57 20.9 16.2 24.4



#20  
Methylene Chloride  
Concen: 17.700 ug/l  
RT: 5.284 min Scan# 569  
Delta R.T. -0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 84 Resp: 123885  
Ion Ratio Lower Upper  
84 100  
49 99.8 80.6 121.0  
51 28.2 24.4 36.6  
86 58.2 47.0 70.6

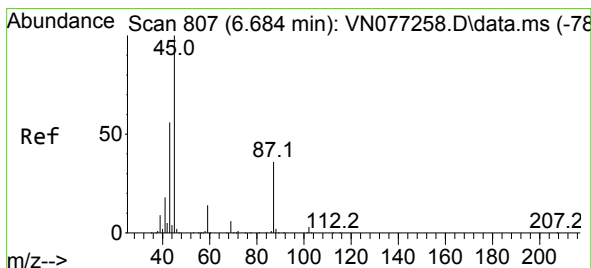
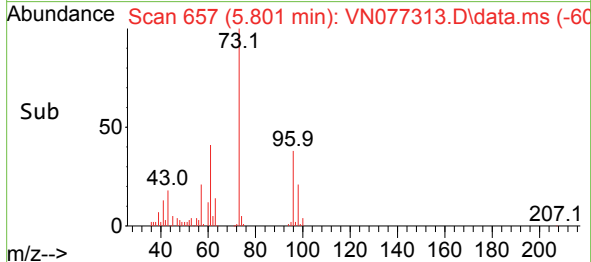
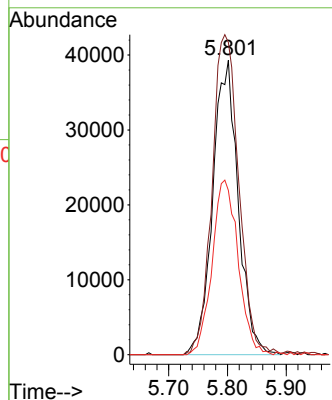
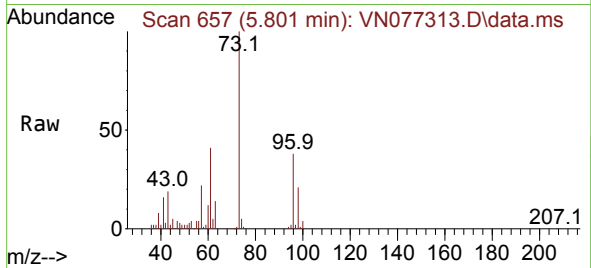




#21  
trans-1,2-Dichloroethene  
Concen: 18.708 ug/l  
RT: 5.801 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

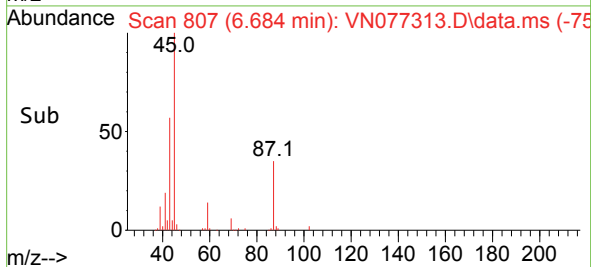
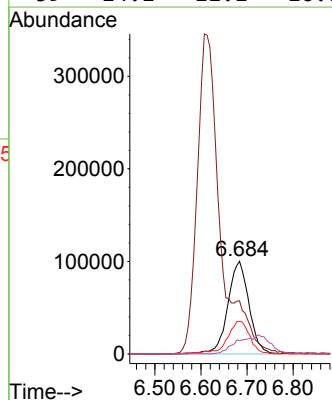
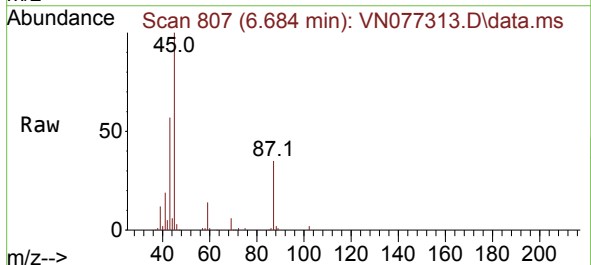
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

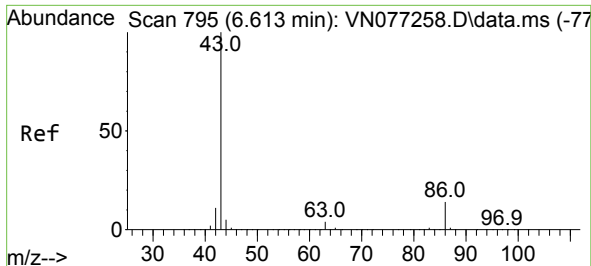
Tgt Ion: 96 Resp: 118007  
Ion Ratio Lower Upper  
96 100  
61 106.1 93.8 140.6  
98 55.8 50.9 76.3



#22  
Diisopropyl ether  
Concen: 18.279 ug/l  
RT: 6.684 min Scan# 807  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 45 Resp: 318868  
Ion Ratio Lower Upper  
45 100  
43 55.7 44.6 66.8  
87 35.2 28.4 42.6  
59 14.1 11.1 16.7

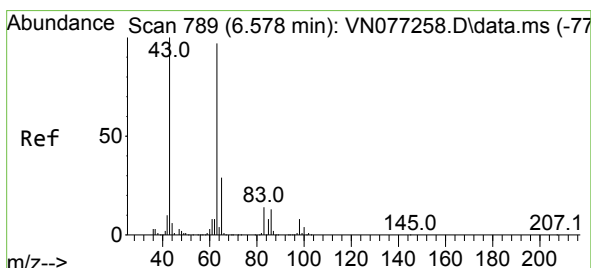
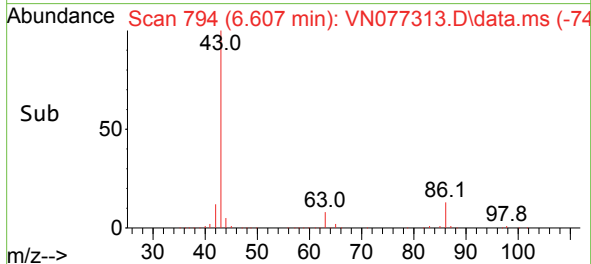
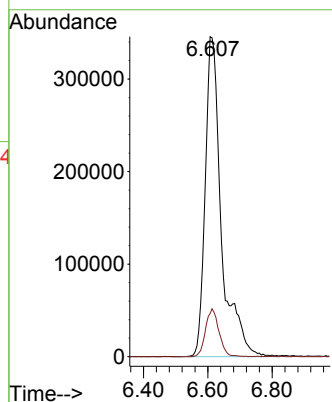
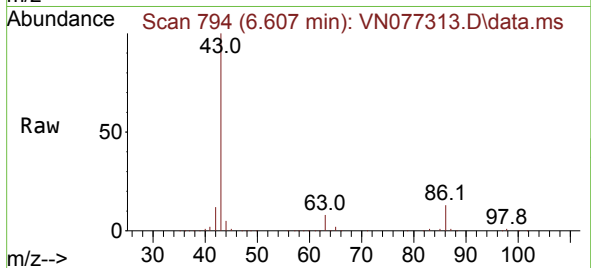




#23  
 Vinyl Acetate  
 Concen: 102.576 ug/l  
 RT: 6.607 min Scan# 794  
 Delta R.T. -0.006 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

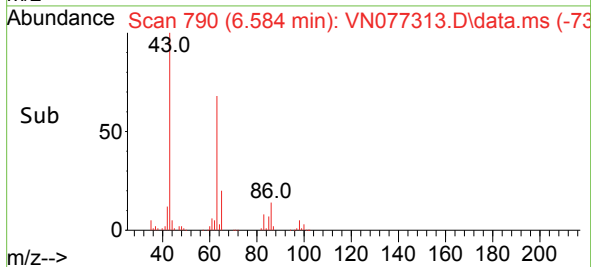
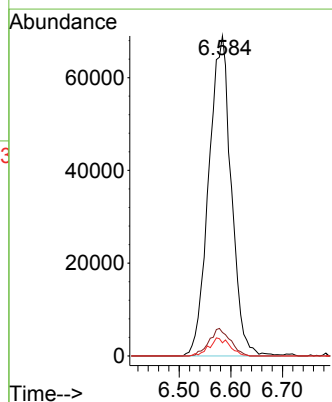
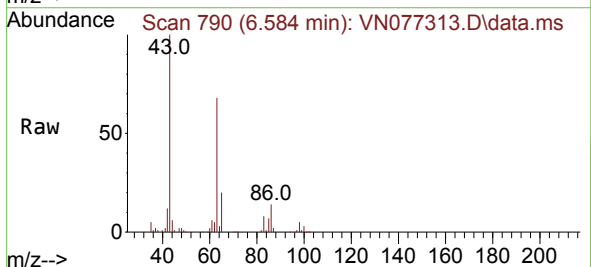
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0412WBSD01

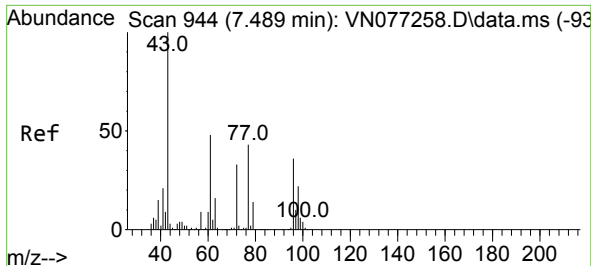
Tgt Ion: 43 Resp: 1209890  
 Ion Ratio Lower Upper  
 43 100  
 86 13.5 11.2 16.8



#24  
 1,1-Dichloroethane  
 Concen: 18.543 ug/l  
 RT: 6.584 min Scan# 790  
 Delta R.T. 0.006 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

Tgt Ion: 63 Resp: 208883  
 Ion Ratio Lower Upper  
 63 100  
 98 7.3 4.0 12.0  
 100 4.1 2.3 6.9

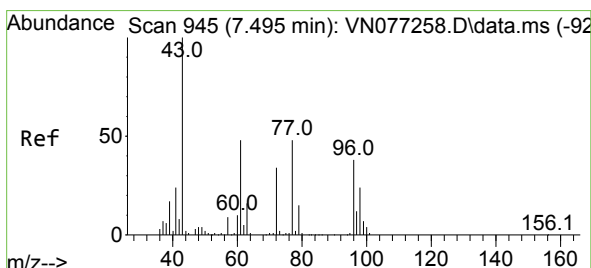
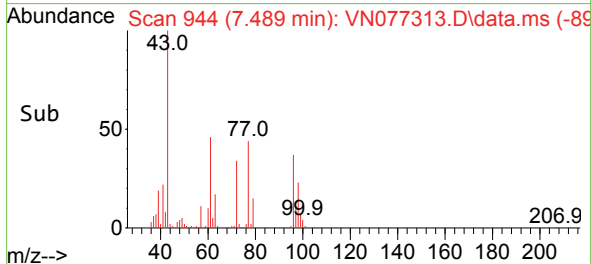
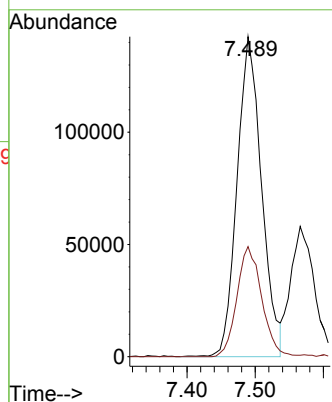
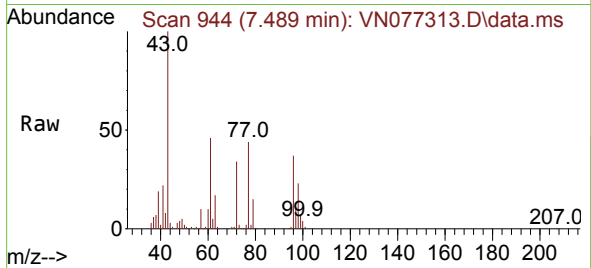




#25  
2-Butanone  
Concen: 88.423 ug/l  
RT: 7.489 min Scan# 944  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

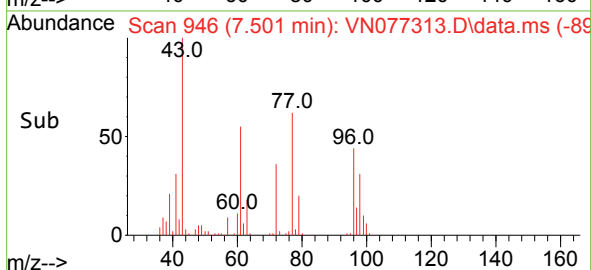
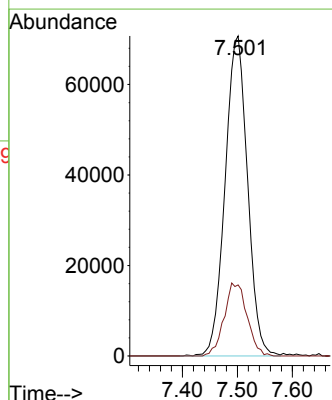
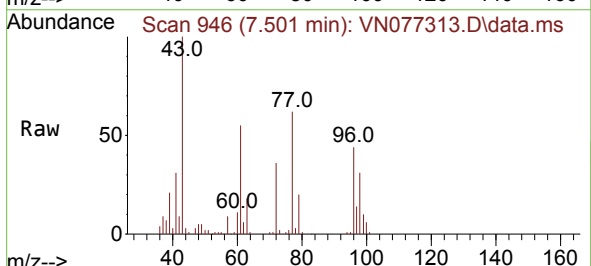
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

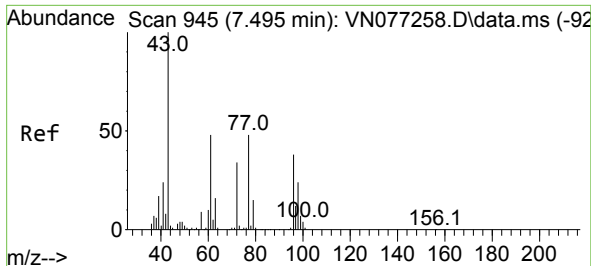
Tgt Ion: 43 Resp: 355655  
Ion Ratio Lower Upper  
43 100  
72 34.4 26.6 39.8



#26  
2,2-Dichloropropane  
Concen: 19.409 ug/l  
RT: 7.501 min Scan# 946  
Delta R.T. 0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 77 Resp: 200489  
Ion Ratio Lower Upper  
77 100  
97 23.2 12.0 36.1

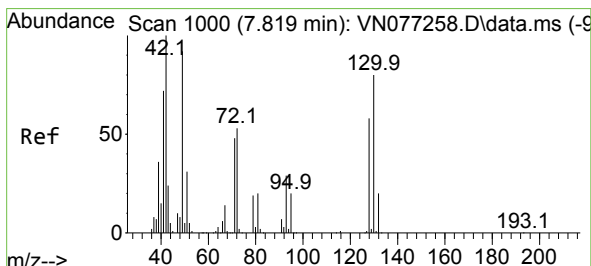
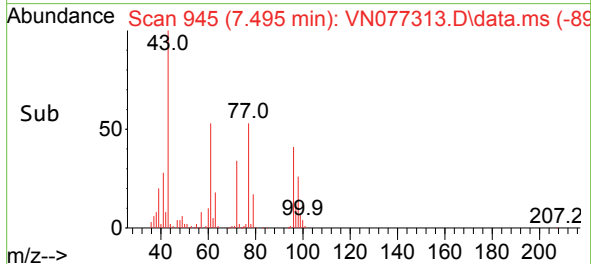
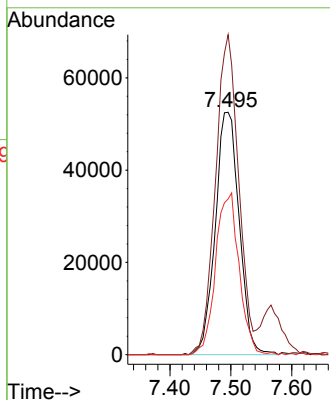
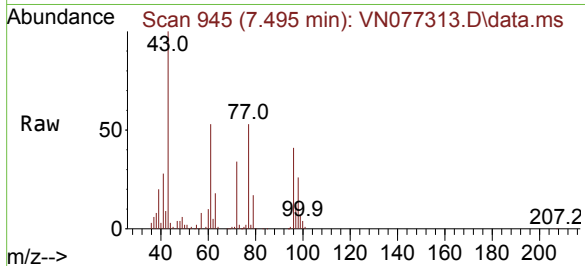




#27  
 cis-1,2-Dichloroethene  
 Concen: 18.653 ug/l  
 RT: 7.495 min Scan# 945  
 Delta R.T. 0.000 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

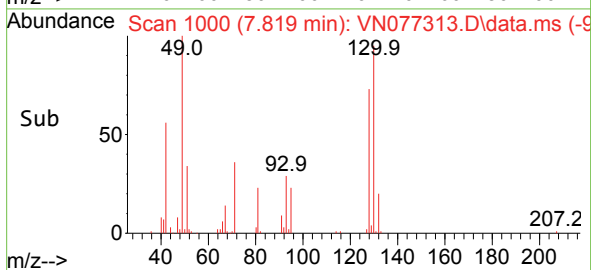
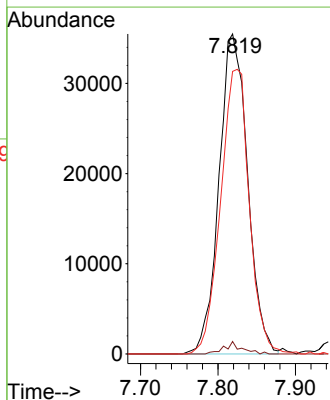
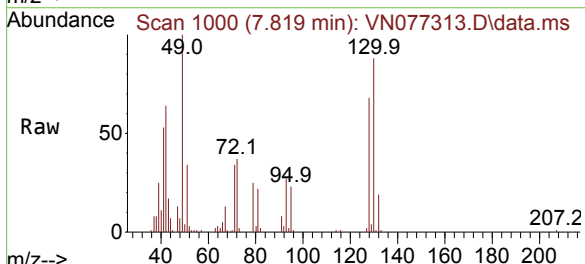
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0412WBSD01

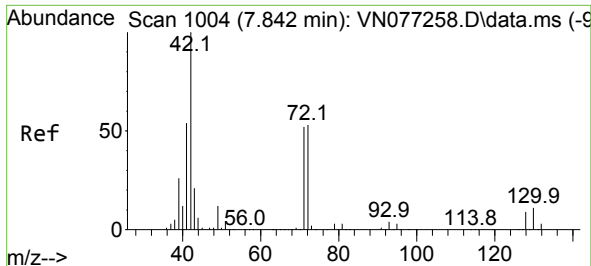
Tgt Ion: 96 Resp: 143686  
 Ion Ratio Lower Upper  
 96 100  
 61 128.5 0.0 261.0  
 98 65.5 0.0 128.0



#28  
 Bromochloromethane  
 Concen: 20.102 ug/l  
 RT: 7.819 min Scan# 1000  
 Delta R.T. -0.000 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

Tgt Ion: 49 Resp: 91086  
 Ion Ratio Lower Upper  
 49 100  
 129 2.3 0.0 4.4  
 130 89.5 68.4 102.6





#29

Tetrahydrofuran

Concen: 86.626 ug/l

RT: 7.842 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0412WBSD01

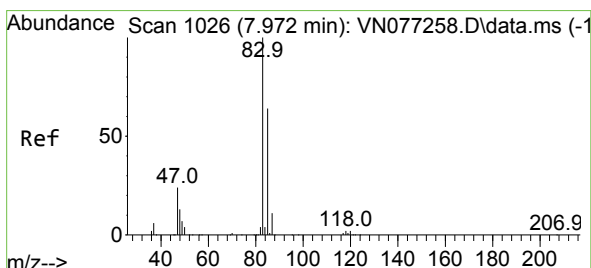
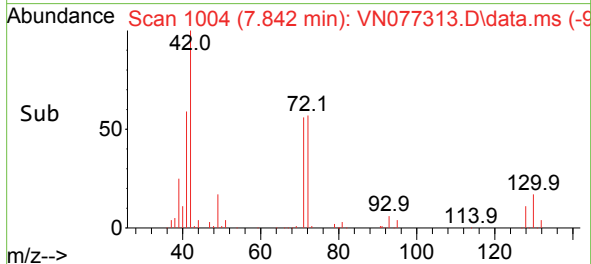
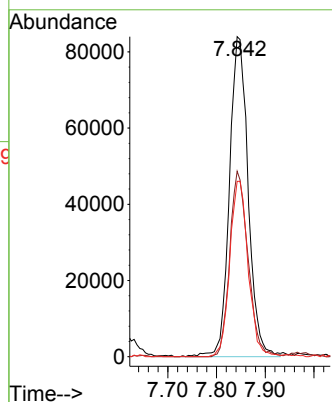
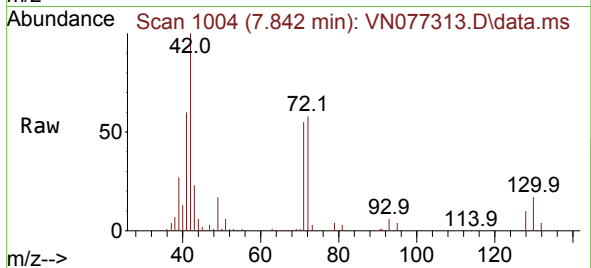
Tgt Ion: 42 Resp: 223977

Ion Ratio Lower Upper

42 100

72 56.8 44.6 66.8

71 53.8 41.3 61.9



#30

Chloroform

Concen: 18.821 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077313.D

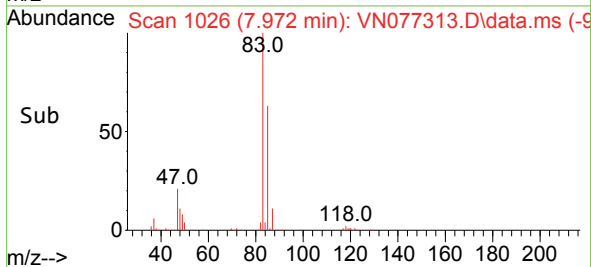
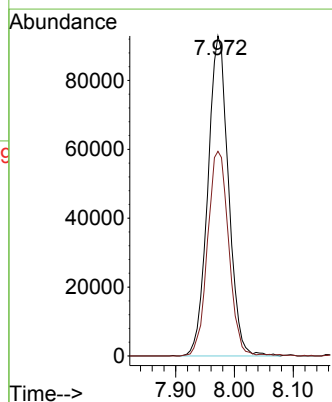
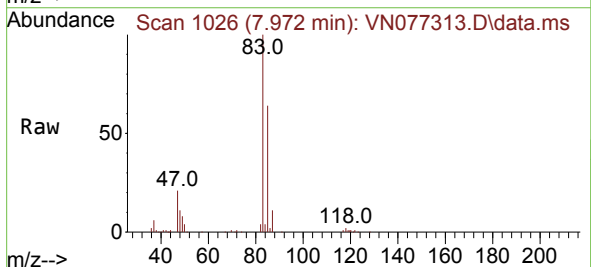
Acq: 12 Apr 2023 13:29

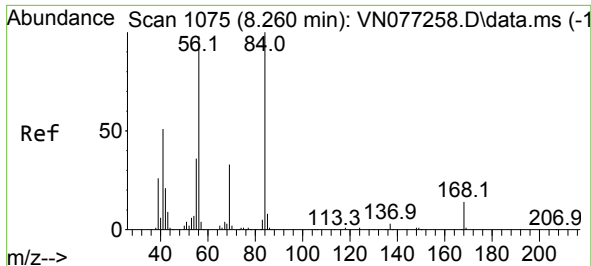
Tgt Ion: 83 Resp: 226090

Ion Ratio Lower Upper

83 100

85 63.9 50.9 76.3

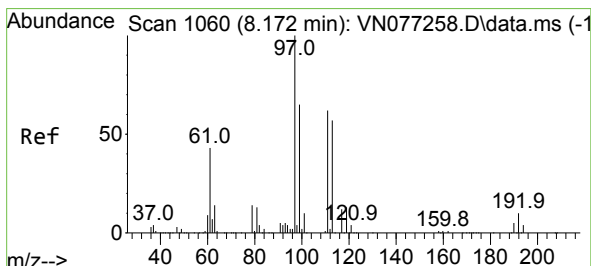
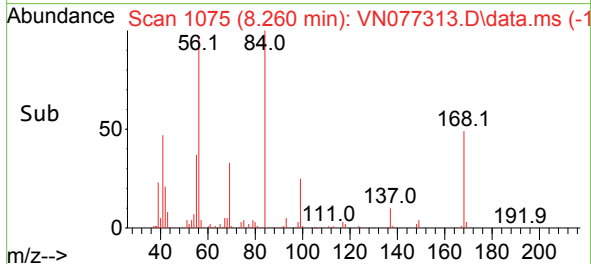
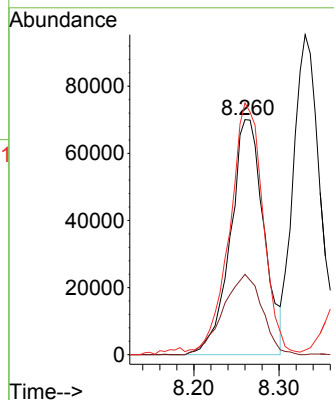
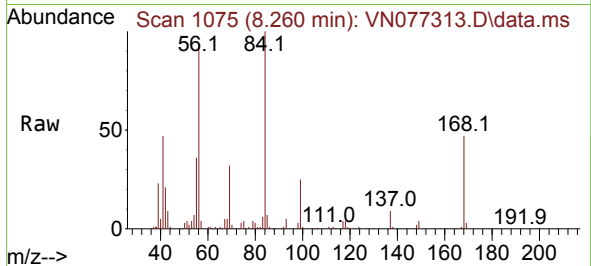




#31  
Cyclohexane  
Concen: 18.287 ug/l  
RT: 8.260 min Scan# 1075  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

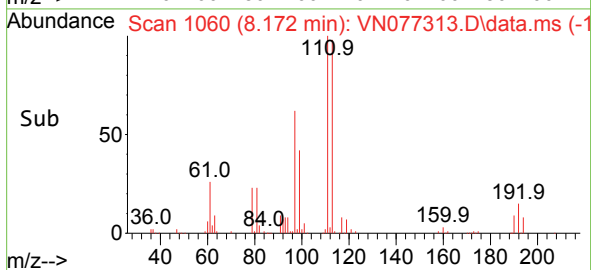
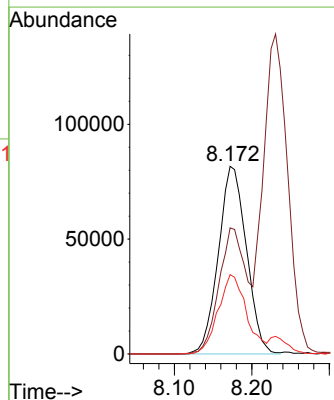
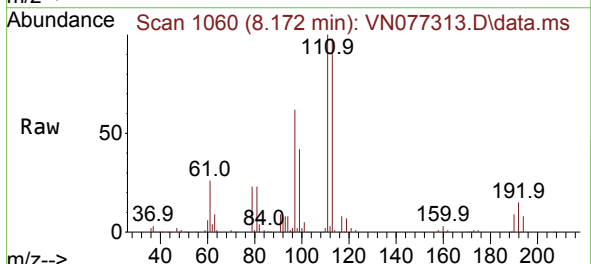
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

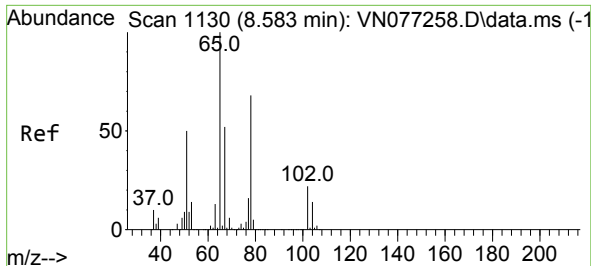
Tgt Ion: 56 Resp: 190995  
Ion Ratio Lower Upper  
56 100  
69 34.2 26.6 40.0  
84 104.1 81.8 122.8



#32  
1,1,1-Trichloroethane  
Concen: 18.813 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 97 Resp: 205537  
Ion Ratio Lower Upper  
97 100  
99 66.3 54.2 81.4  
61 43.1 35.8 53.6

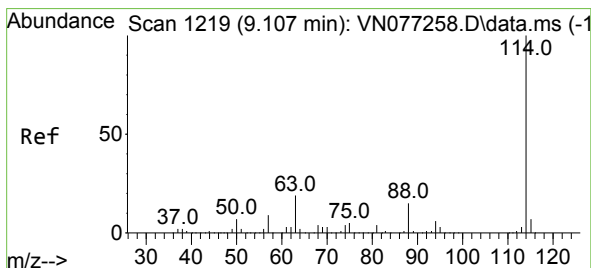
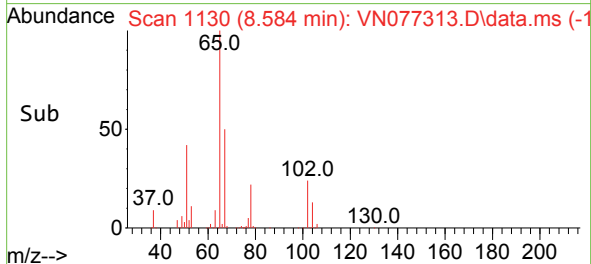
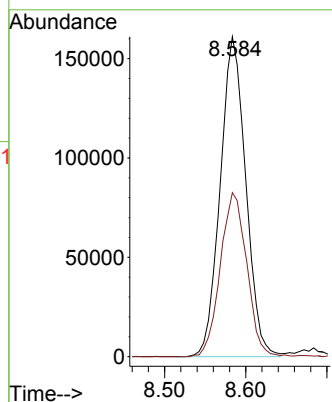
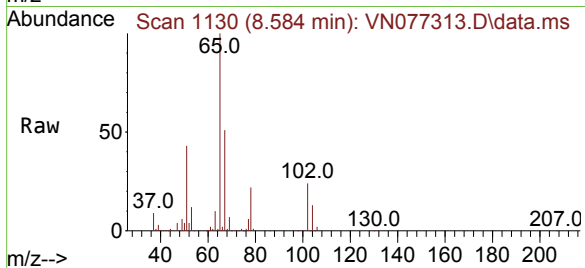




#33  
1,2-Dichloroethane-d4  
Concen: 52.379 ug/l  
RT: 8.584 min Scan# 1130  
Delta R.T. 0.001 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

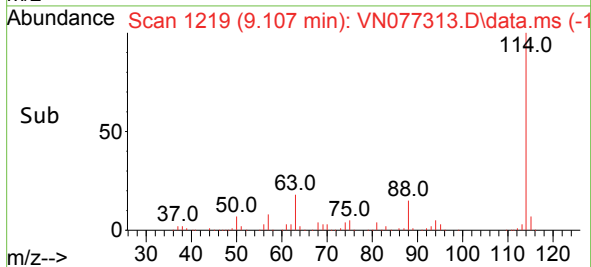
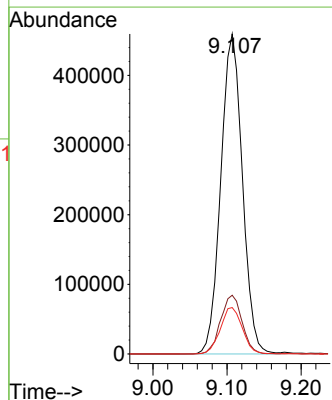
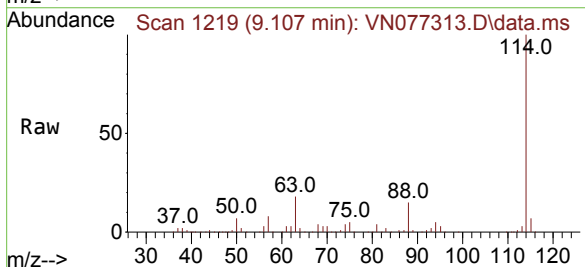
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

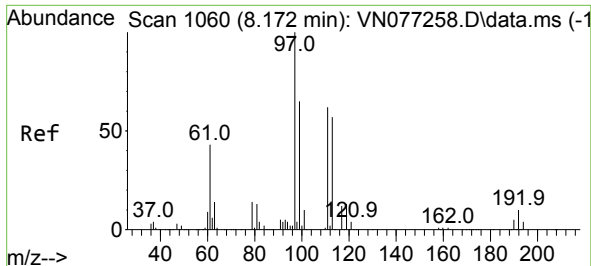
Tgt Ion: 65 Resp: 352074  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 108.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.107 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 114 Resp: 929503  
Ion Ratio Lower Upper  
114 100  
63 18.4 0.0 37.8  
88 14.5 0.0 29.4

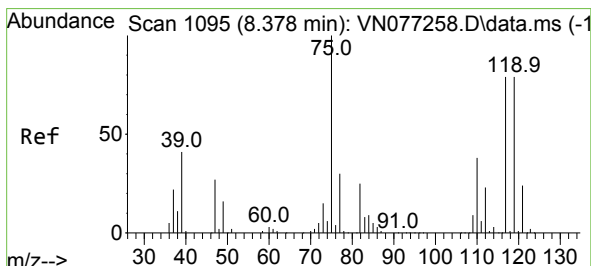
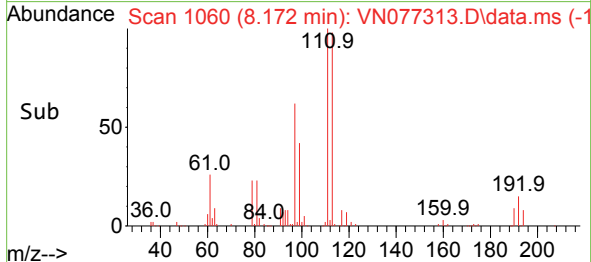
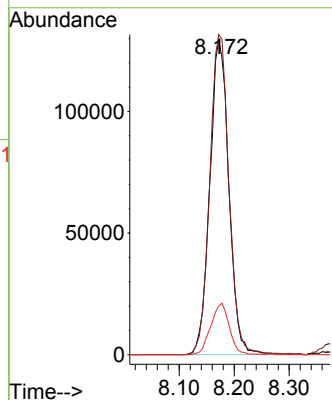
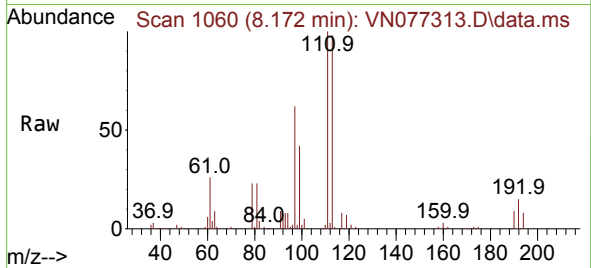




#35  
Dibromofluoromethane  
Concen: 52.400 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

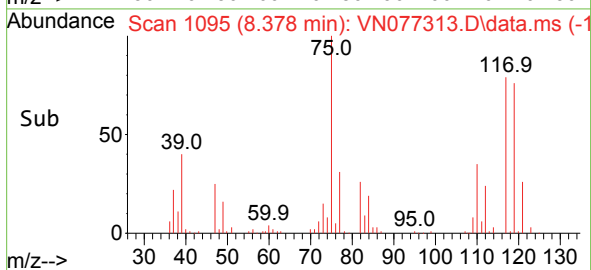
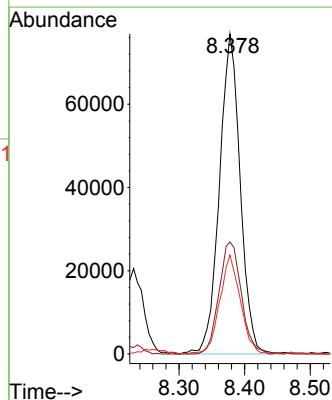
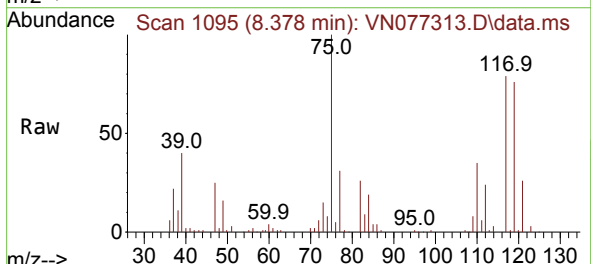
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

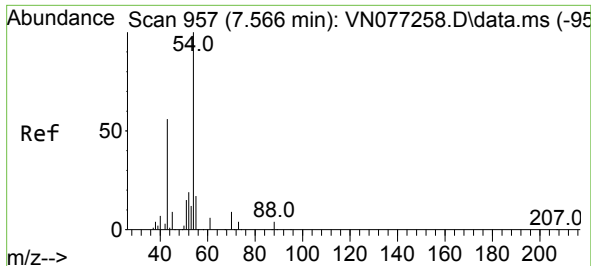
Tgt Ion:113 Resp: 311800  
Ion Ratio Lower Upper  
113 100  
111 102.3 83.4 125.0  
192 15.9 13.5 20.3



#36  
1,1-Dichloropropene  
Concen: 19.204 ug/l  
RT: 8.378 min Scan# 1095  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 75 Resp: 169005  
Ion Ratio Lower Upper  
75 100  
110 37.4 17.8 53.5  
77 30.6 25.0 37.4

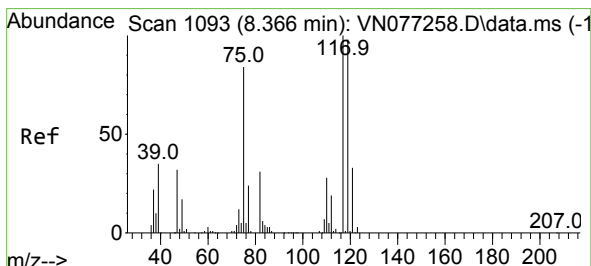
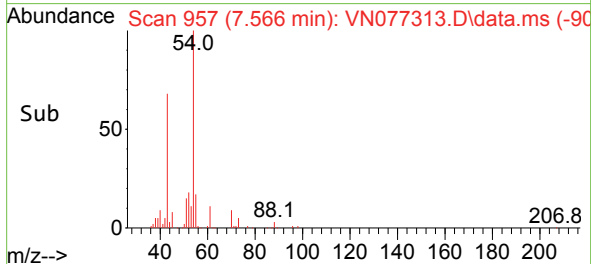
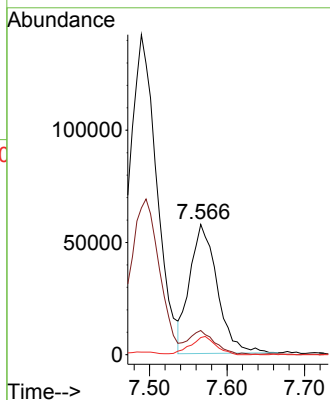
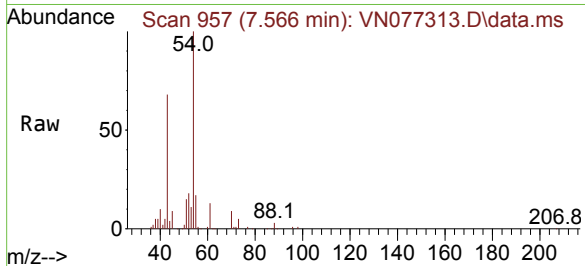




#37  
Ethyl Acetate  
Concen: 17.955 ug/l  
RT: 7.566 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

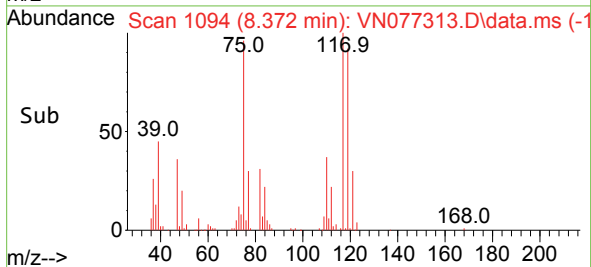
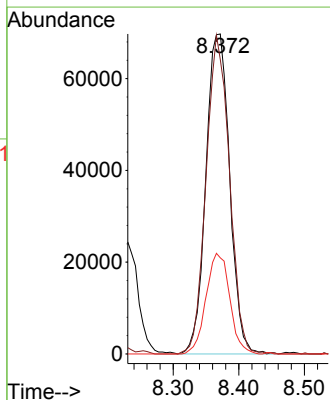
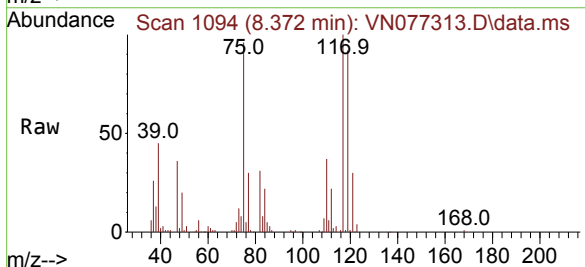
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

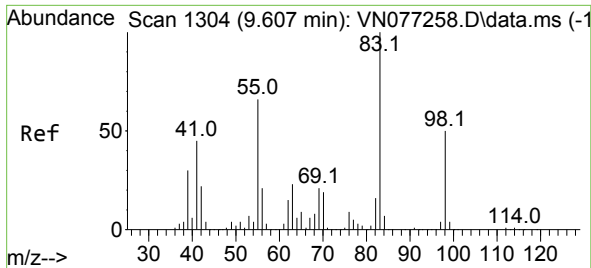
Tgt Ion: 43 Resp: 141375  
Ion Ratio Lower Upper  
43 100  
61 16.6 12.2 18.2  
70 13.0 10.0 15.0



#38  
Carbon Tetrachloride  
Concen: 19.526 ug/l  
RT: 8.372 min Scan# 1094  
Delta R.T. 0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 117 Resp: 176059  
Ion Ratio Lower Upper  
117 100  
119 92.0 78.5 117.7  
121 30.1 26.6 40.0

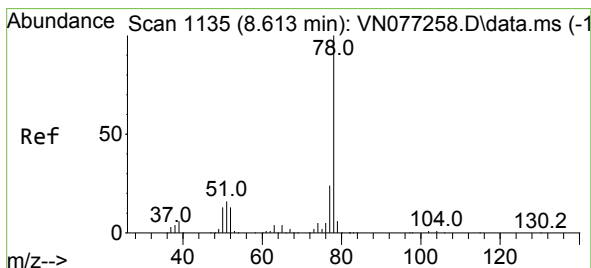
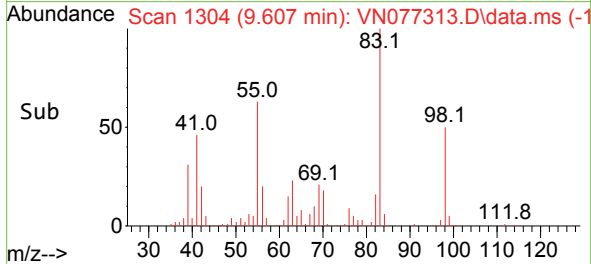
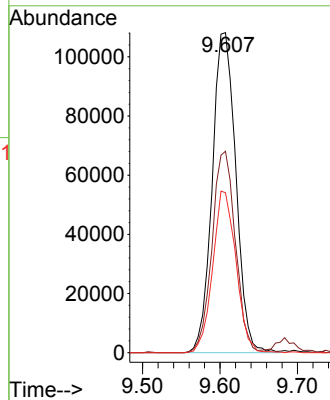
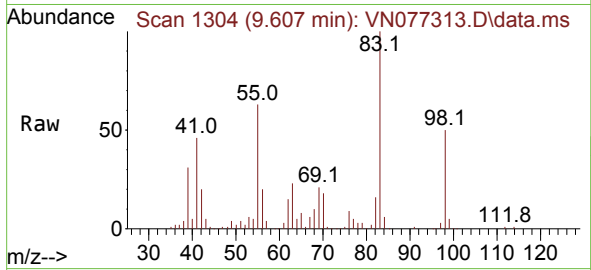




#39  
Methylcyclohexane  
Concen: 19.320 ug/l  
RT: 9.607 min Scan# 1135  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

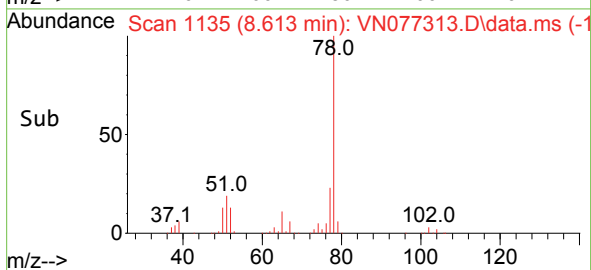
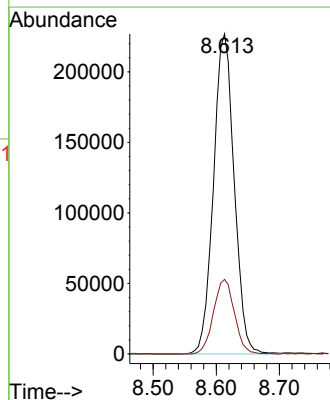
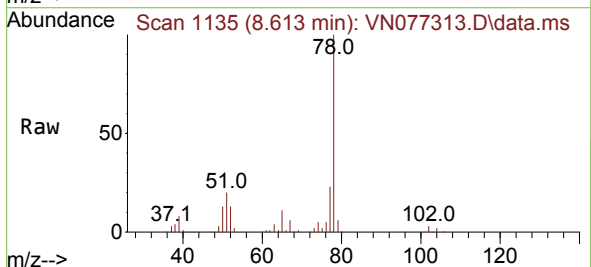
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

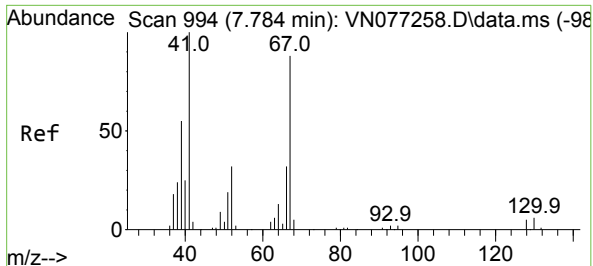
Tgt Ion: 83 Resp: 229272  
Ion Ratio Lower Upper  
83 100  
55 63.0 52.4 78.6  
98 50.0 39.8 59.6



#40  
Benzene  
Concen: 18.801 ug/l  
RT: 8.613 min Scan# 1135  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 78 Resp: 516101  
Ion Ratio Lower Upper  
78 100  
77 23.3 19.5 29.3

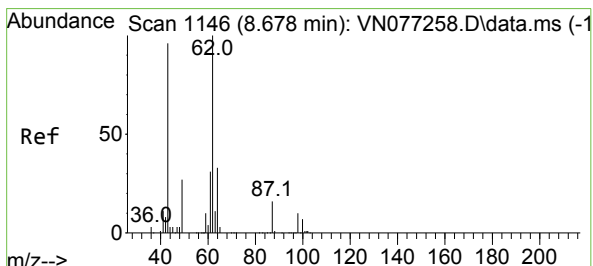
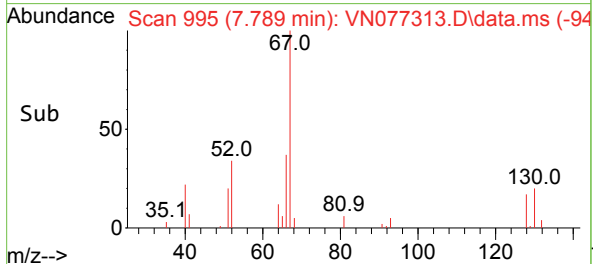
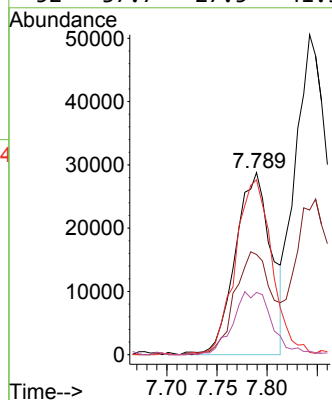
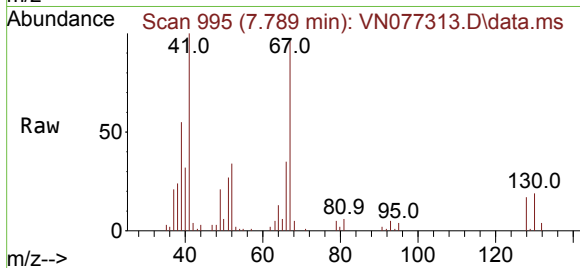




#41  
Methacrylonitrile  
Concen: 16.964 ug/l  
RT: 7.789 min Scan# 994  
Delta R.T. 0.005 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

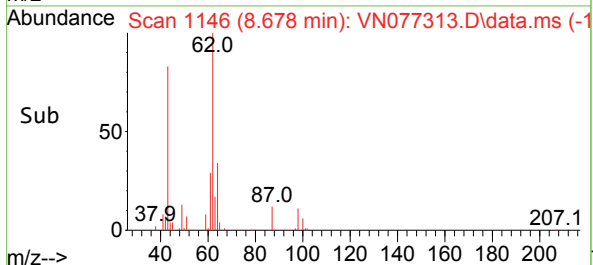
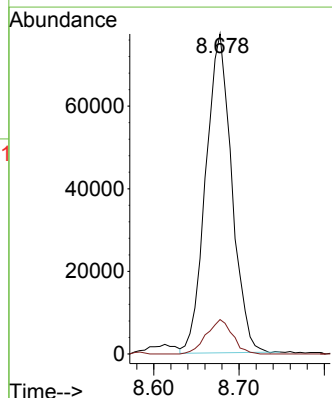
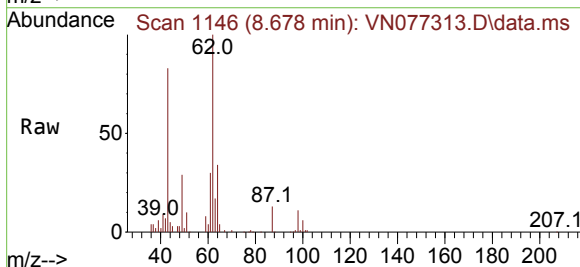
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

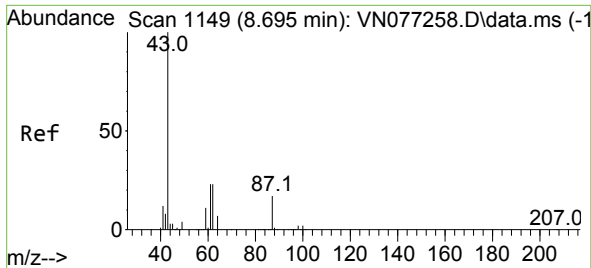
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 71799 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 58.0  | 44.1  | 66.1  |
| 67       | 98.2  | 71.4  | 107.2 |
| 52       | 37.7  | 27.5  | 41.3  |



#42  
1,2-Dichloroethane  
Concen: 19.365 ug/l  
RT: 8.678 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 163605 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.8  | 0.0   | 20.2   |

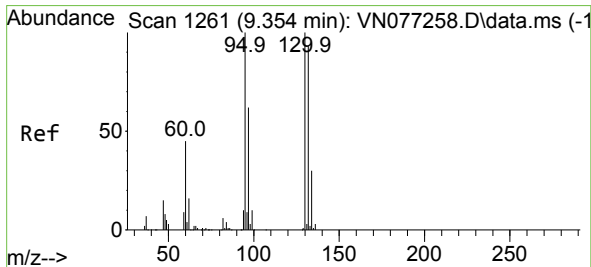
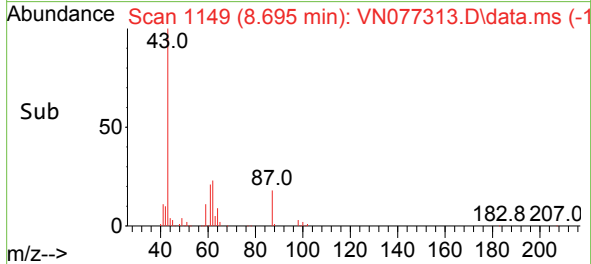
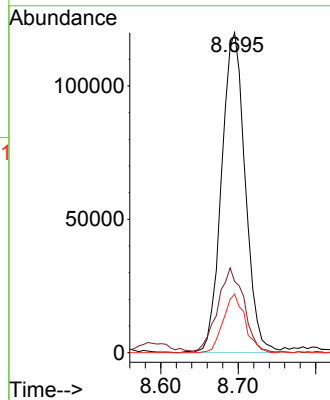
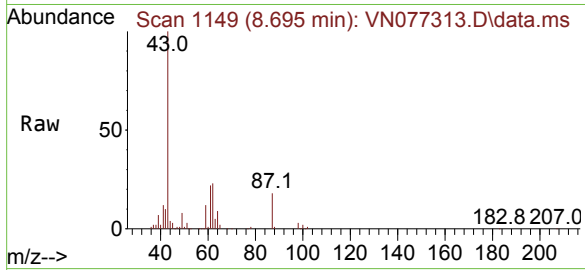




#43  
Isopropyl Acetate  
Concen: 17.528 ug/l  
RT: 8.695 min Scan# 1149  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

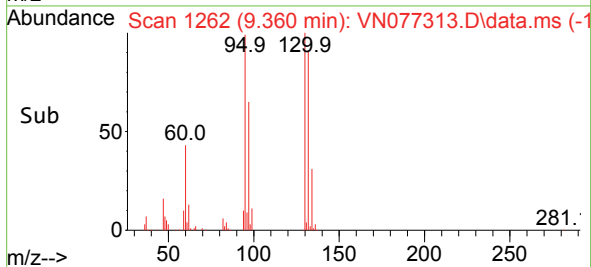
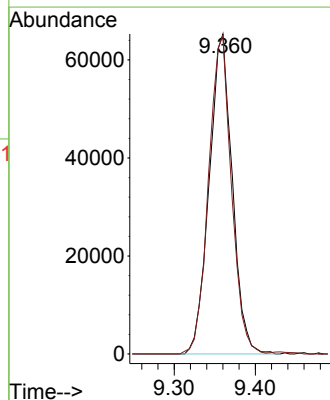
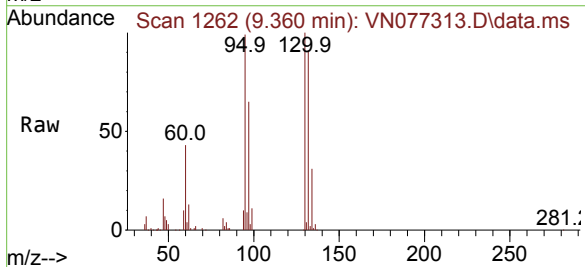
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

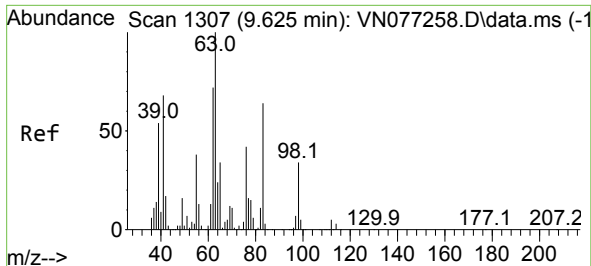
Tgt Ion: 43 Resp: 254669  
Ion Ratio Lower Upper  
43 100  
61 29.5 22.7 34.1  
87 17.0 13.6 20.4



#44  
Trichloroethene  
Concen: 19.545 ug/l  
RT: 9.360 min Scan# 1262  
Delta R.T. 0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion:130 Resp: 128375  
Ion Ratio Lower Upper  
130 100  
95 99.5 0.0 200.2





#45

1,2-Dichloropropane

Concen: 19.349 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Instrument :

MSVOA\_N

ClientSampleId :

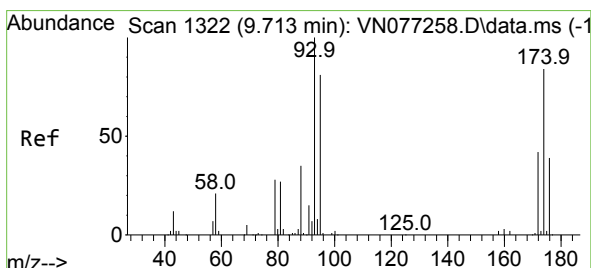
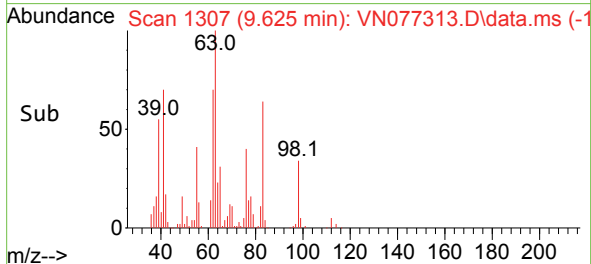
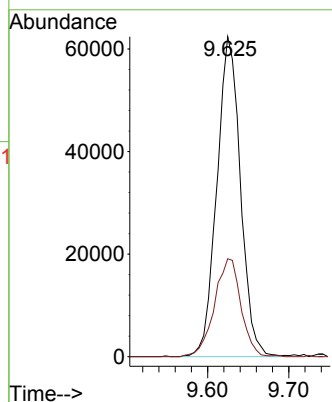
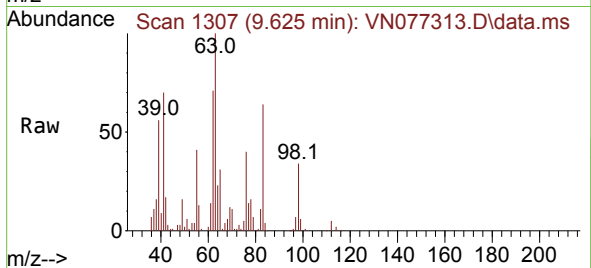
VN0412WBSD01

Tgt Ion: 63 Resp: 126141

Ion Ratio Lower Upper

63 100

65 30.6 27.1 40.7



#46

Dibromomethane

Concen: 19.314 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

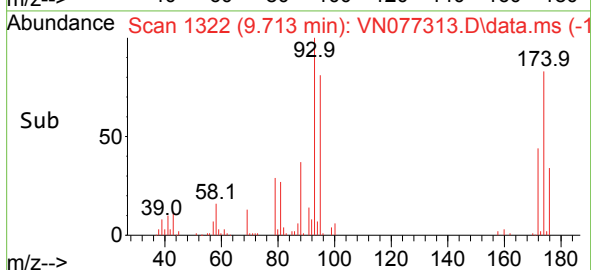
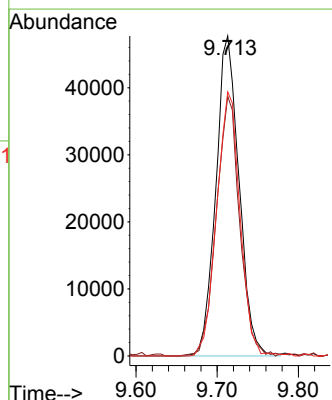
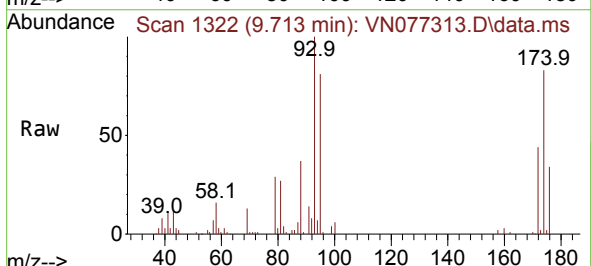
Tgt Ion: 93 Resp: 94870

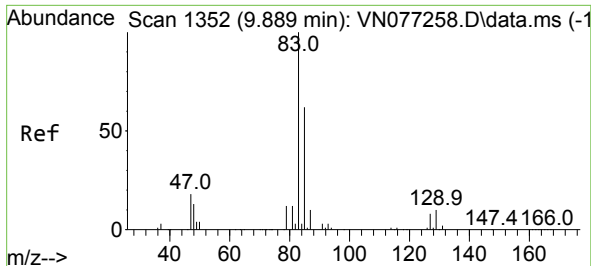
Ion Ratio Lower Upper

93 100

95 81.0 65.8 98.6

174 83.2 66.0 99.0





#47

Bromodichloromethane

Concen: 18.824 ug/l

RT: 9.895 min Scan# 1353

Delta R.T. 0.006 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0412WBSD01

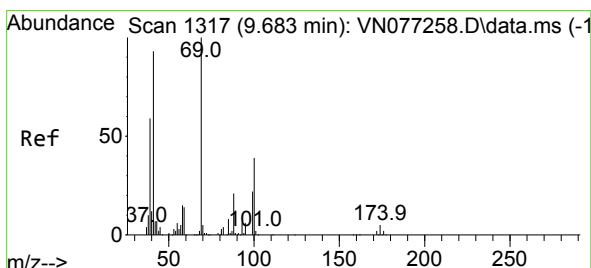
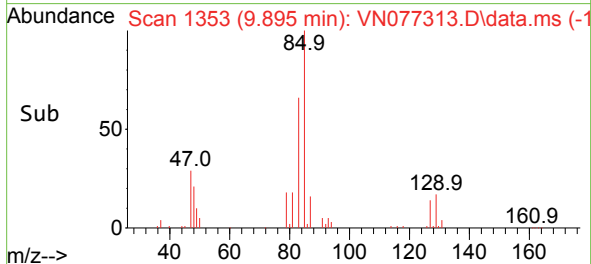
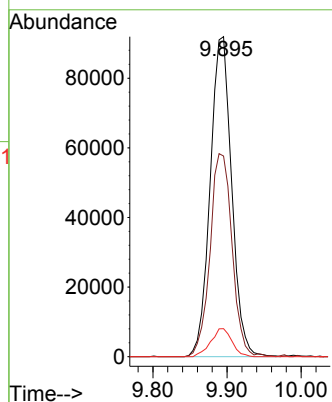
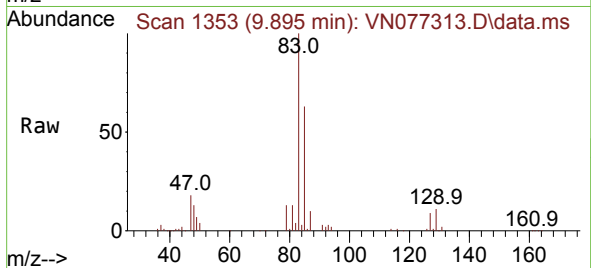
Tgt Ion: 83 Resp: 184811

Ion Ratio Lower Upper

83 100

85 62.7 49.8 74.8

127 8.7 6.2 9.2



#48

Methyl methacrylate

Concen: 18.083 ug/l

RT: 9.689 min Scan# 1318

Delta R.T. 0.006 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

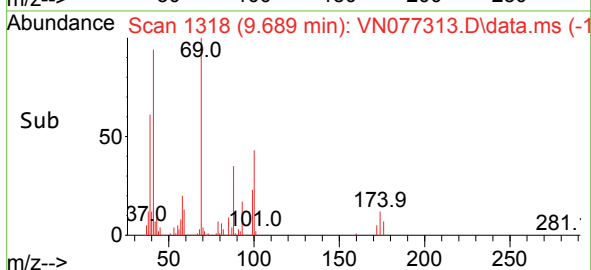
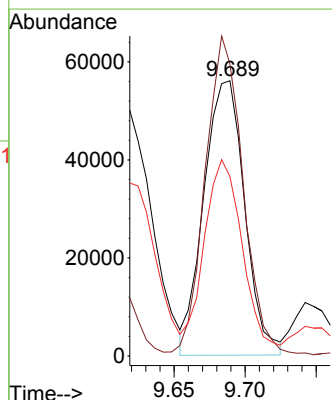
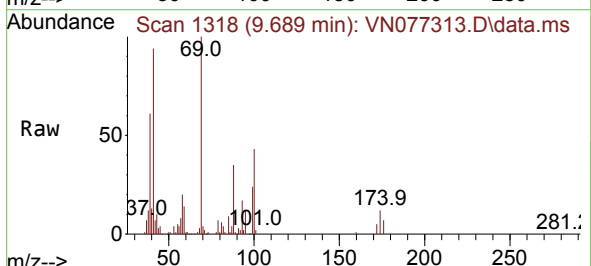
Tgt Ion: 41 Resp: 112083

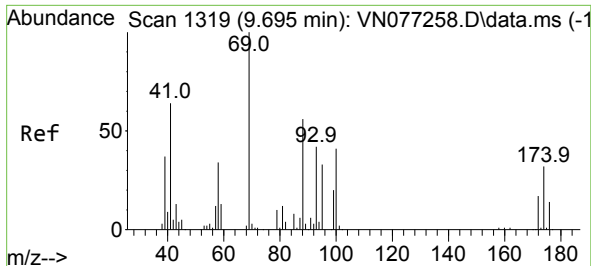
Ion Ratio Lower Upper

41 100

69 107.3 85.0 127.6

39 68.1 53.5 80.3





#49

1,4-Dioxane

Concen: 371.044 ug/l

RT: 9.701 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0412WBSD01

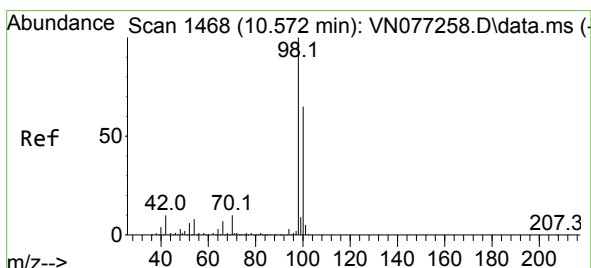
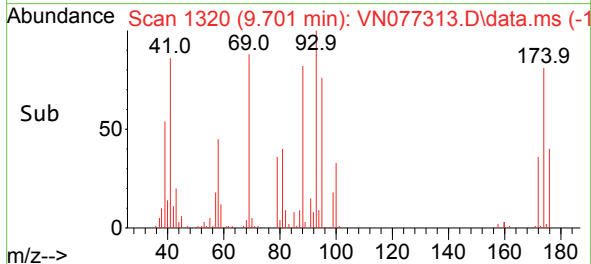
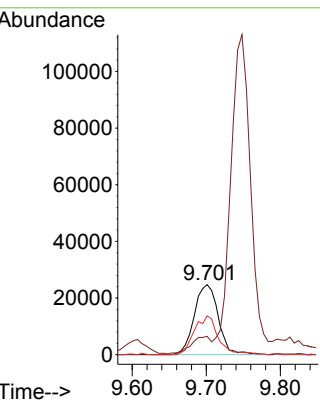
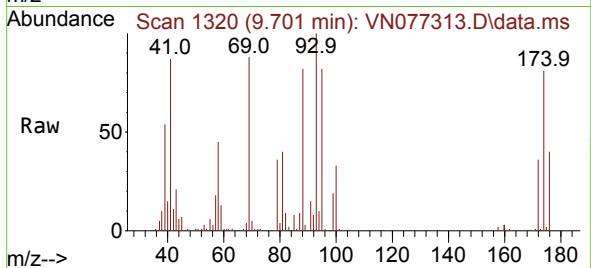
Tgt Ion: 88 Resp: 55757

Ion Ratio Lower Upper

88 100

43 20.4 17.0 25.6

58 55.0 49.8 74.6



#50

Toluene-d8

Concen: 51.794 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077313.D

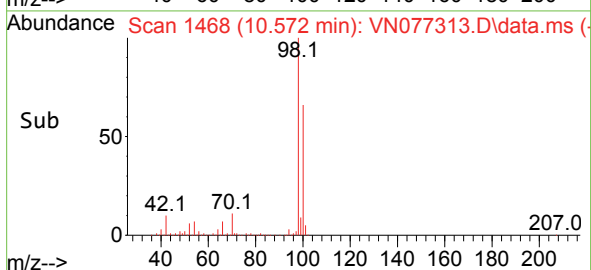
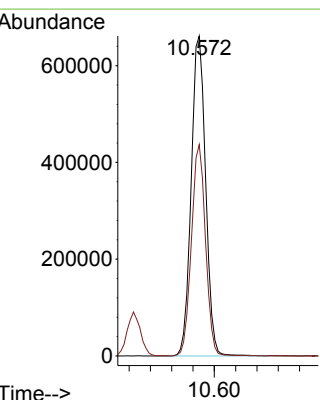
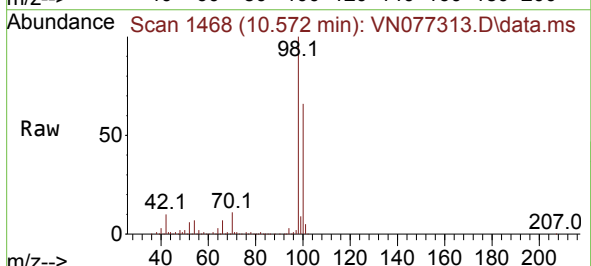
Acq: 12 Apr 2023 13:29

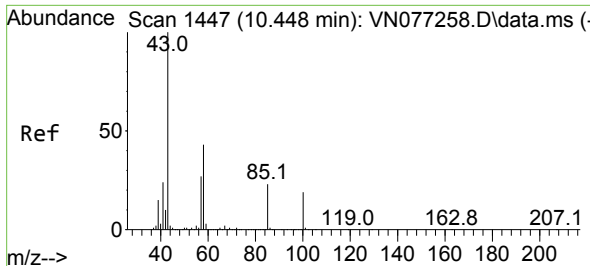
Tgt Ion: 98 Resp: 1240681

Ion Ratio Lower Upper

98 100

100 64.7 51.3 76.9

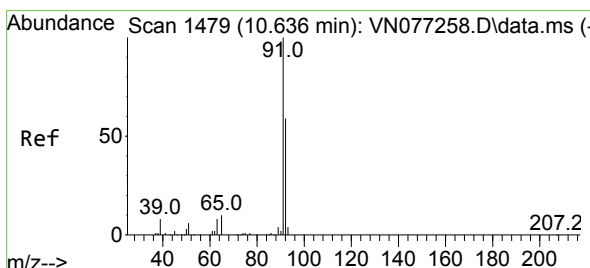
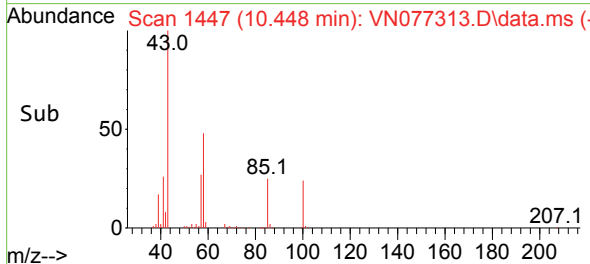
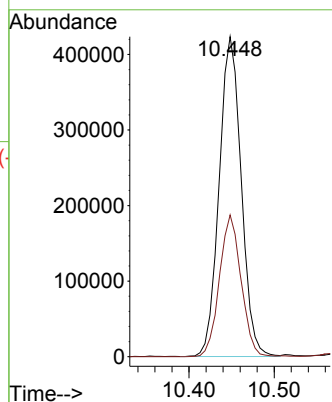
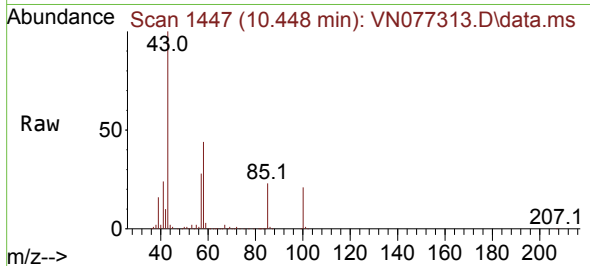




#51  
4-Methyl-2-Pentanone  
Concen: 90.746 ug/l  
RT: 10.448 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

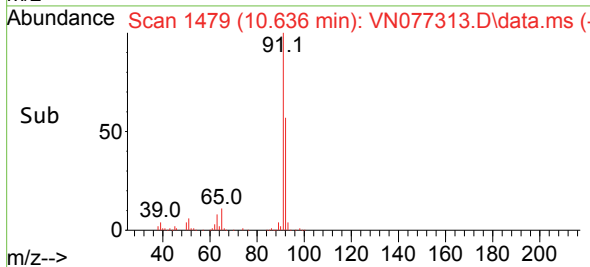
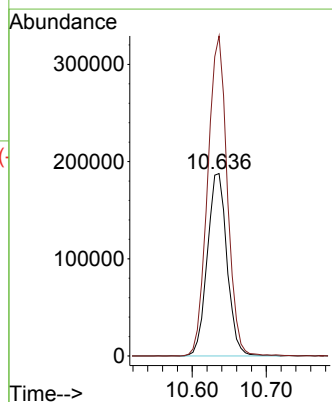
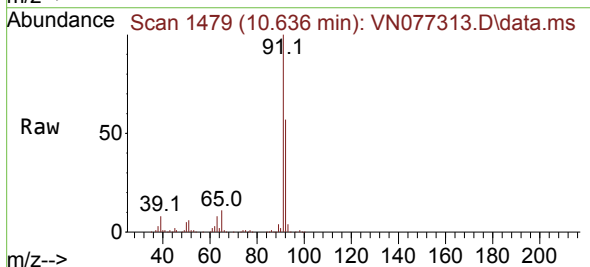
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

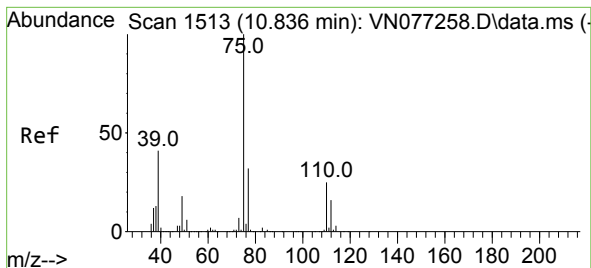
Tgt Ion: 43 Resp: 762119  
Ion Ratio Lower Upper  
43 100  
58 43.6 34.6 52.0



#52  
Toluene  
Concen: 19.276 ug/l  
RT: 10.636 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 92 Resp: 346341  
Ion Ratio Lower Upper  
92 100  
91 174.9 138.0 207.0

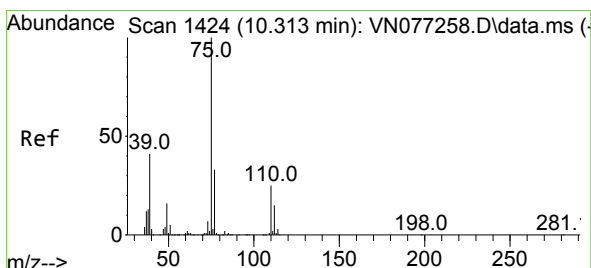
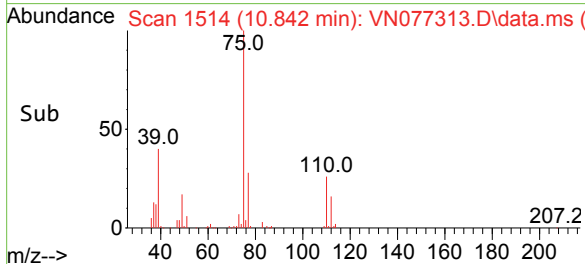
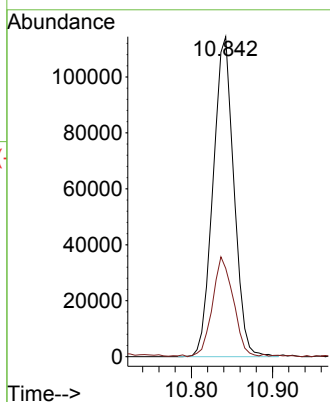
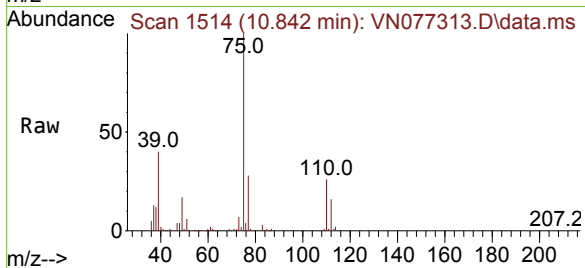




#53  
 t-1,3-Dichloropropene  
 Concen: 19.134 ug/l  
 RT: 10.842 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

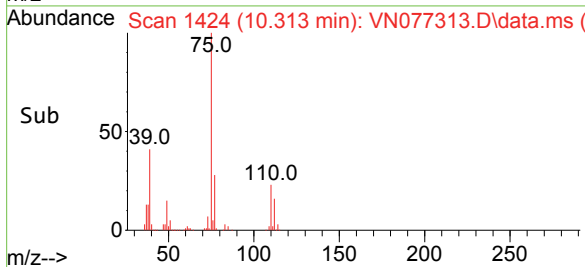
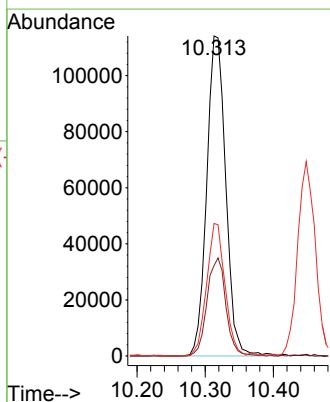
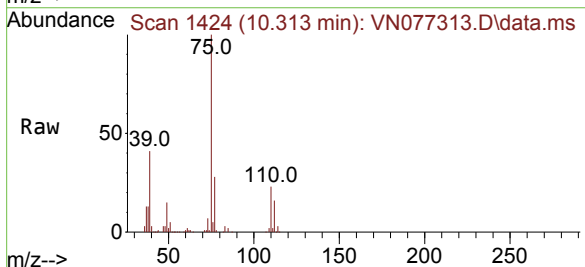
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0412WBSD01

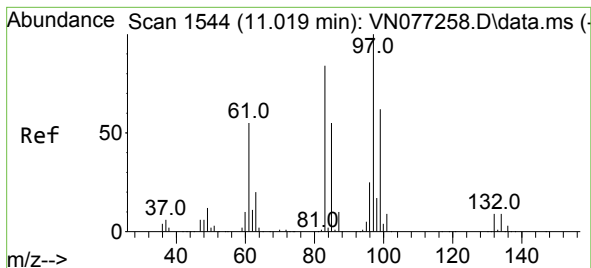
Tgt Ion: 75 Resp: 203983  
 Ion Ratio Lower Upper  
 75 100  
 77 27.3 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.511 ug/l  
 RT: 10.313 min Scan# 1424  
 Delta R.T. -0.000 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

Tgt Ion: 75 Resp: 221563  
 Ion Ratio Lower Upper  
 75 100  
 77 28.2 26.7 40.1  
 39 41.4 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 19.585 ug/l

RT: 11.019 min Scan# 1544

Delta R.T. -0.000 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0412WBSD01

Tgt Ion: 97 Resp: 138135

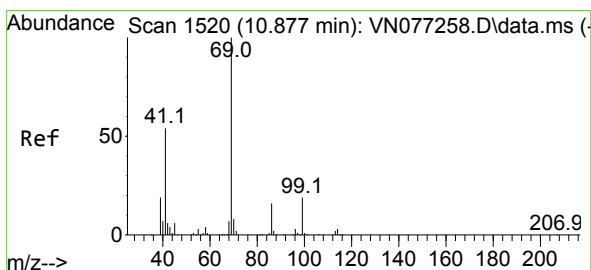
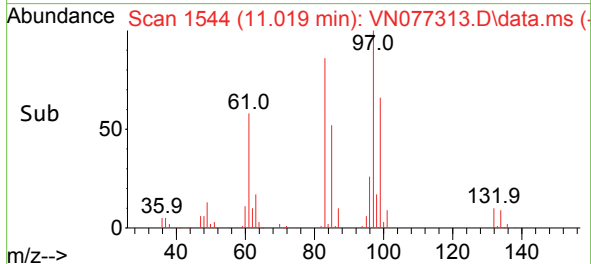
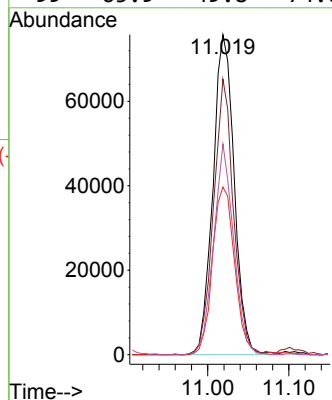
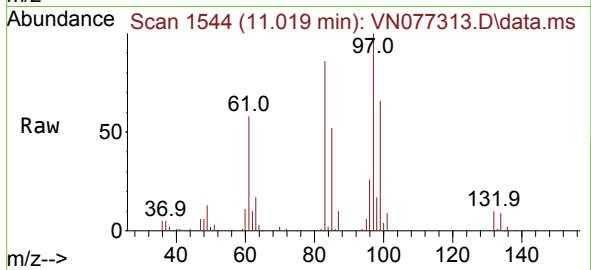
Ion Ratio Lower Upper

97 100

83 86.1 67.4 101.2

85 52.4 44.1 66.1

99 65.9 49.8 74.6



#56

Ethyl methacrylate

Concen: 19.252 ug/l

RT: 10.878 min Scan# 1520

Delta R.T. 0.000 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

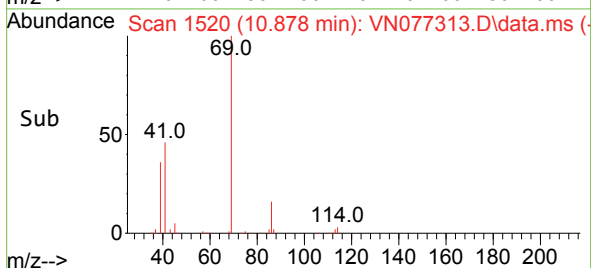
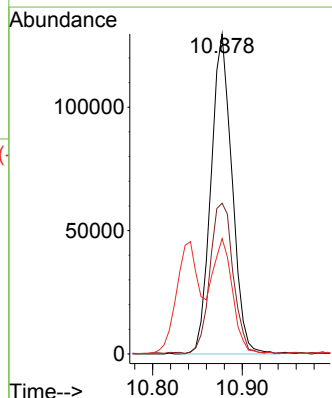
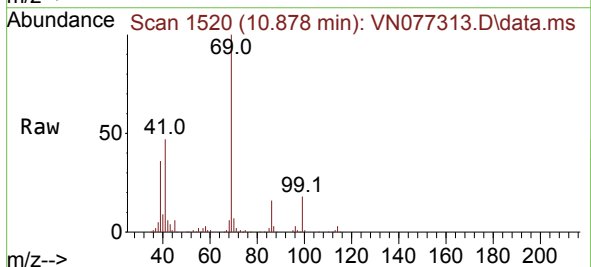
Tgt Ion: 69 Resp: 211496

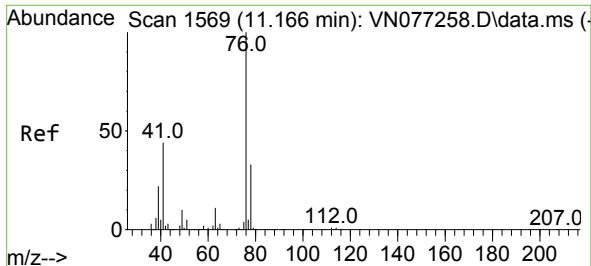
Ion Ratio Lower Upper

69 100

41 51.6 42.8 64.2

39 33.8 27.0 40.4

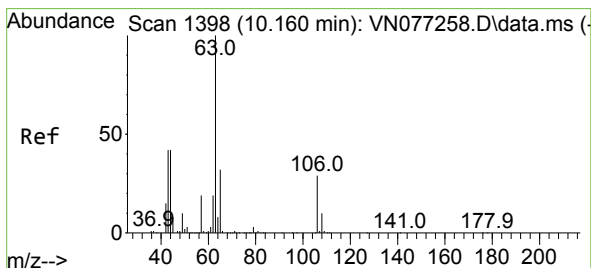
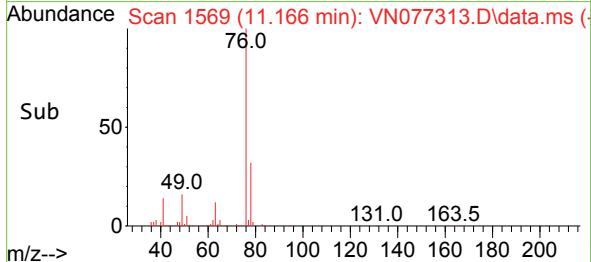
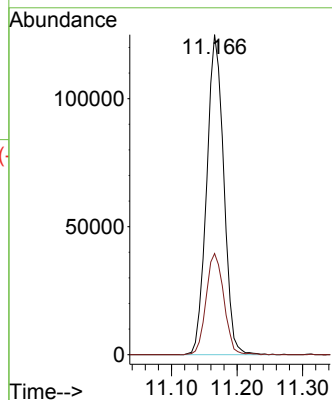
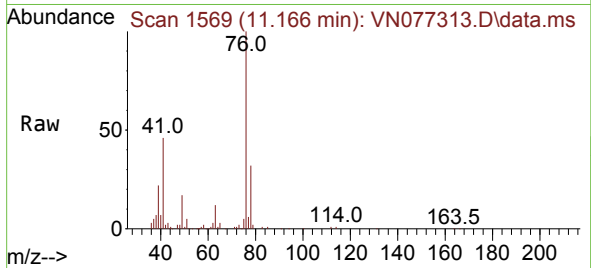




#57  
1,3-Dichloropropane  
Concen: 19.414 ug/l  
RT: 11.166 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

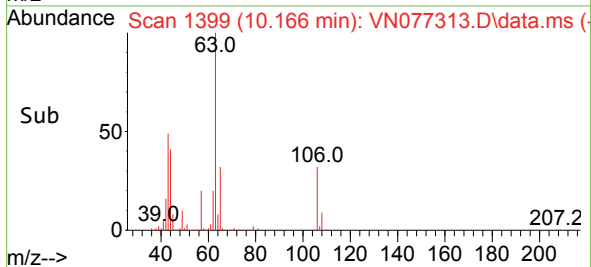
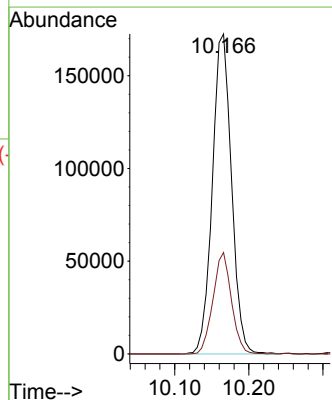
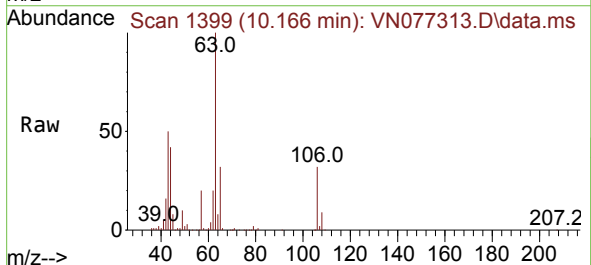
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

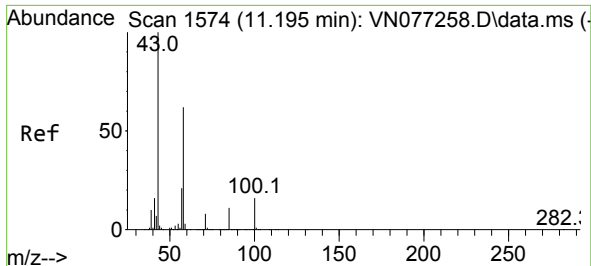
Tgt Ion: 76 Resp: 226218  
Ion Ratio Lower Upper  
76 100  
78 33.0 26.2 39.4



#58  
2-Chloroethyl Vinyl ether  
Concen: 94.688 ug/l  
RT: 10.166 min Scan# 1399  
Delta R.T. 0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 63 Resp: 309649  
Ion Ratio Lower Upper  
63 100  
106 30.5 24.1 36.1

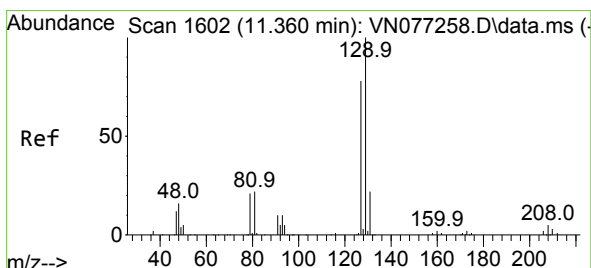
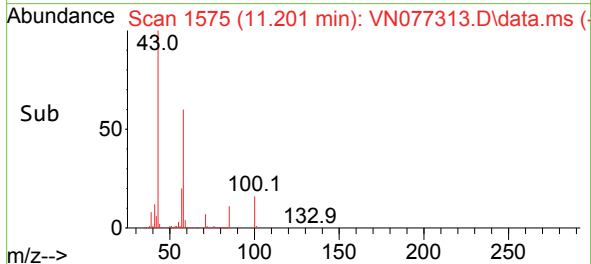
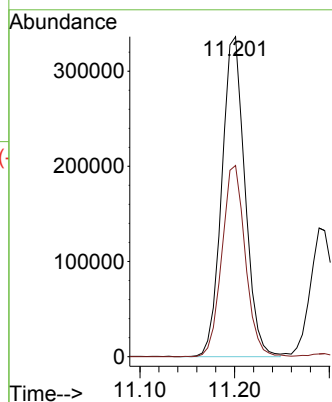
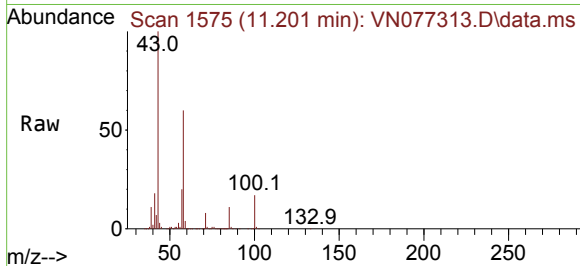




#59  
2-Hexanone  
Concen: 91.397 ug/l  
RT: 11.201 min Scan# 1575  
Delta R.T. 0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

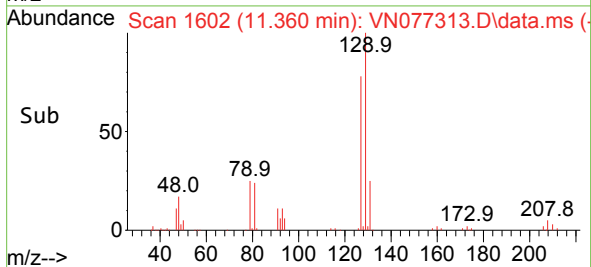
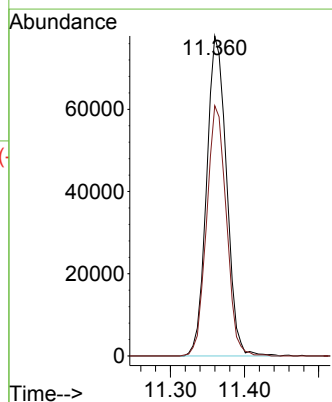
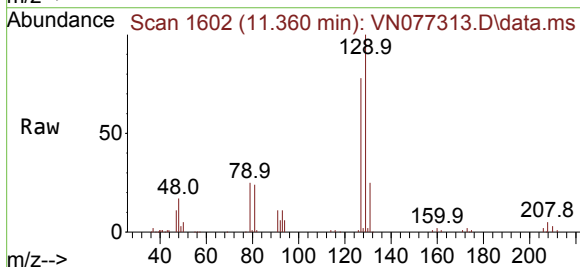
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

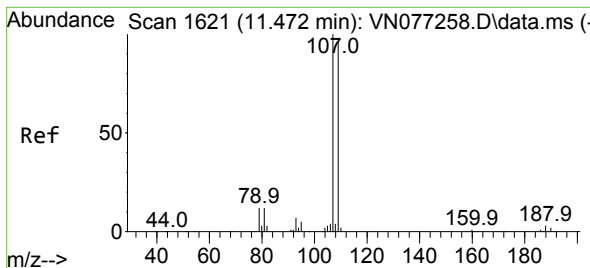
Tgt Ion: 43 Resp: 571850  
Ion Ratio Lower Upper  
43 100  
58 60.3 30.9 92.5



#60  
Dibromochloromethane  
Concen: 20.009 ug/l  
RT: 11.360 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 129 Resp: 145350  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.1 114.5

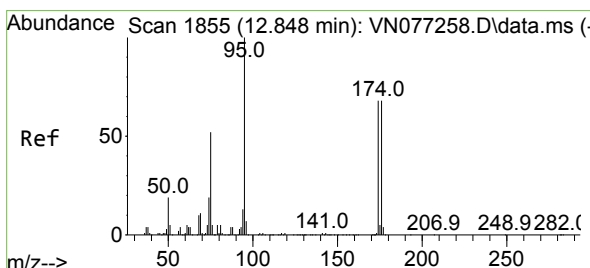
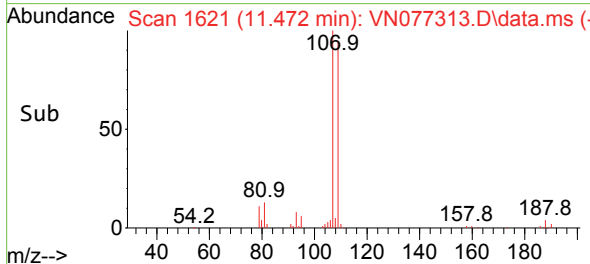
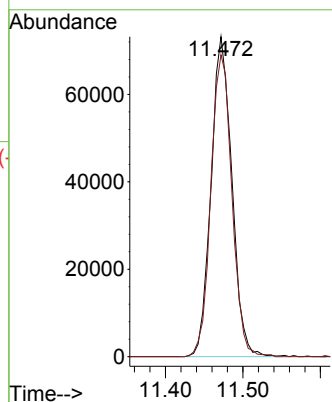
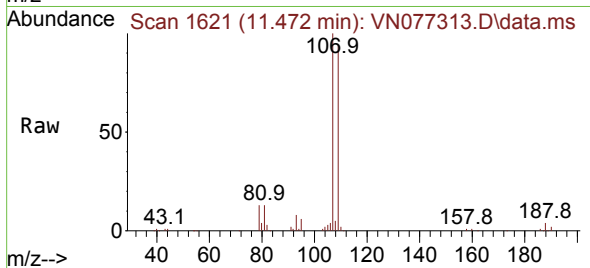




#61  
1,2-Dibromoethane  
Concen: 19.382 ug/l  
RT: 11.472 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

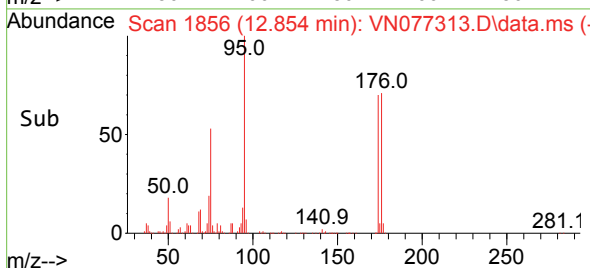
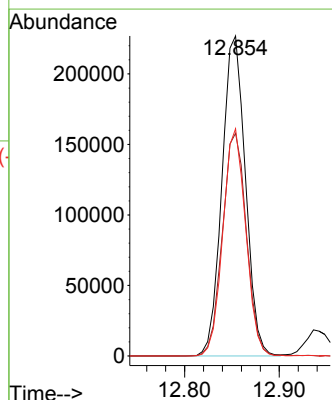
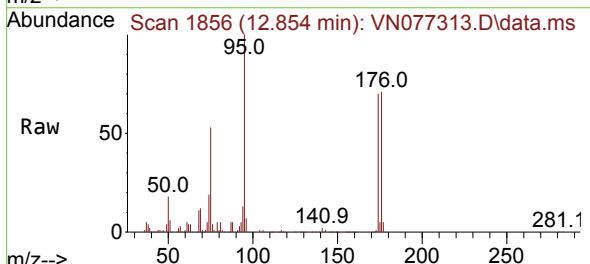
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

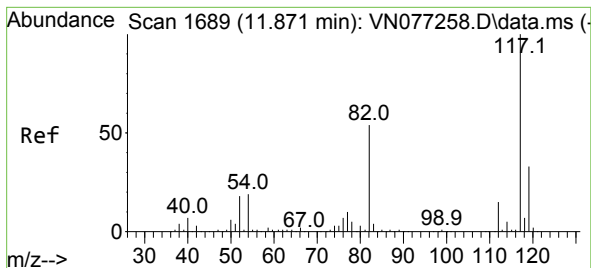
Tgt Ion:107 Resp: 136448  
Ion Ratio Lower Upper  
107 100  
109 95.3 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 49.056 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 95 Resp: 390820  
Ion Ratio Lower Upper  
95 100  
174 71.1 0.0 146.8  
176 69.1 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0412WBSD01

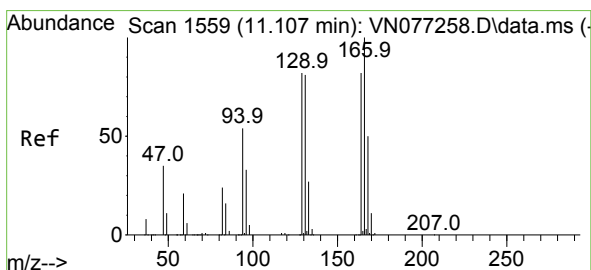
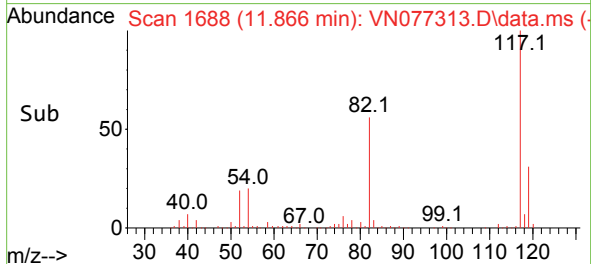
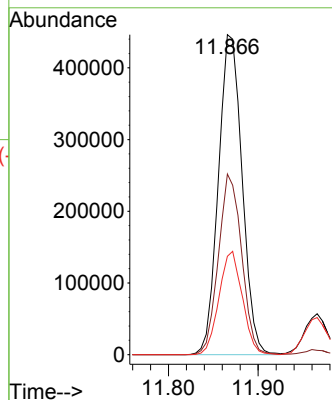
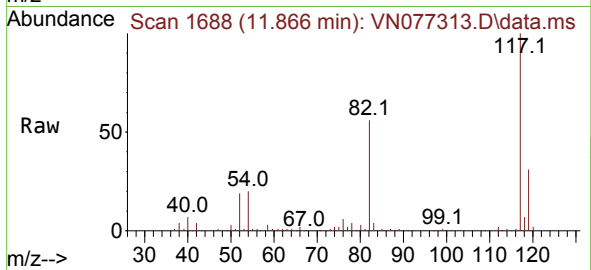
Tgt Ion:117 Resp: 820556

Ion Ratio Lower Upper

117 100

82 56.4 42.9 64.3

119 30.7 26.2 39.4



#64

Tetrachloroethene

Concen: 19.383 ug/l

RT: 11.107 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Tgt Ion:164 Resp: 98255

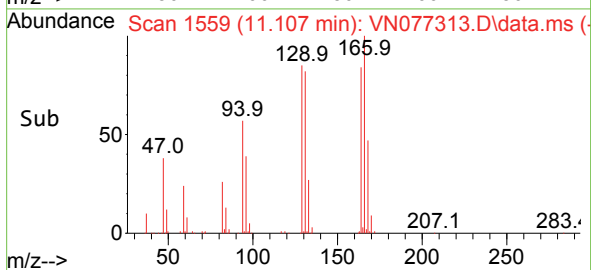
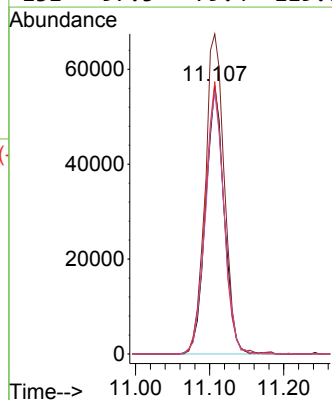
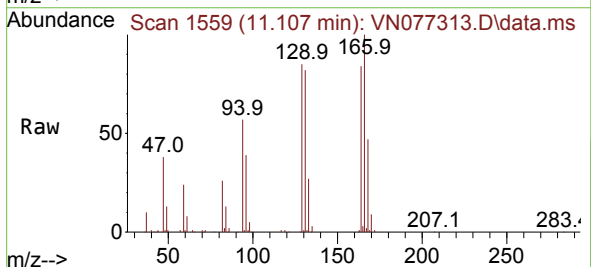
Ion Ratio Lower Upper

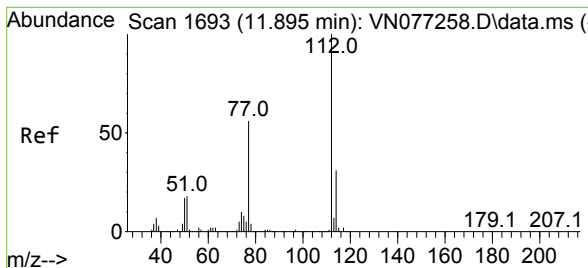
164 100

166 119.4 97.8 146.6

129 101.6 80.1 120.1

131 97.5 79.4 119.0

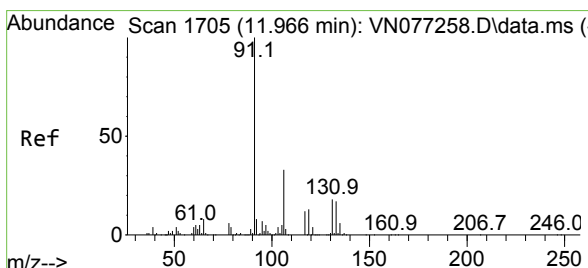
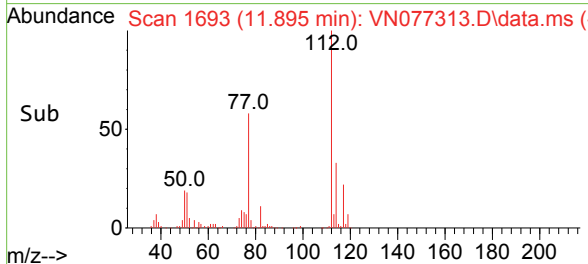
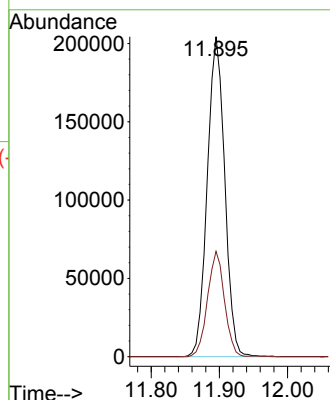
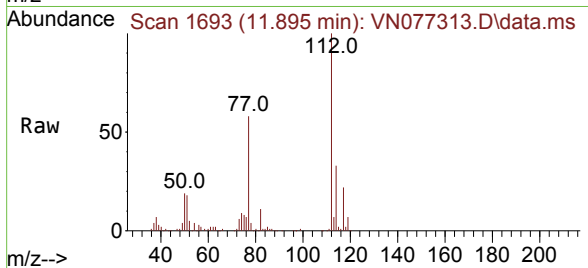




#65  
Chlorobenzene  
Concen: 20.159 ug/l  
RT: 11.895 min Scan# 1693  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

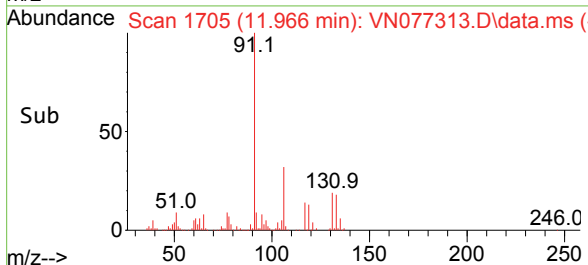
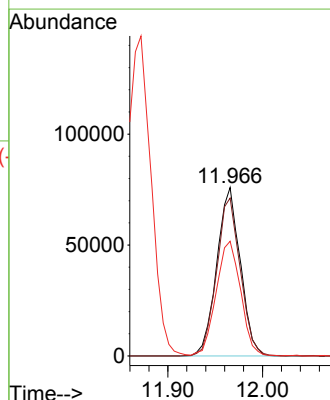
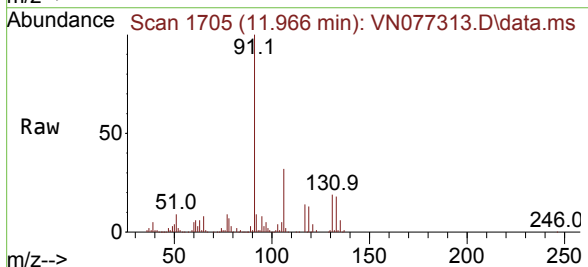
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

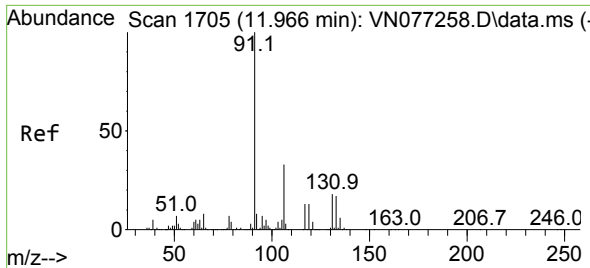
Tgt Ion:112 Resp: 364182  
Ion Ratio Lower Upper  
112 100  
114 32.9 24.6 36.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.187 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion:131 Resp: 131151  
Ion Ratio Lower Upper  
131 100  
133 94.6 46.9 140.6  
119 70.9 34.0 102.0

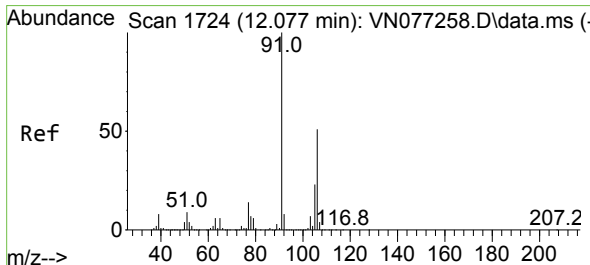
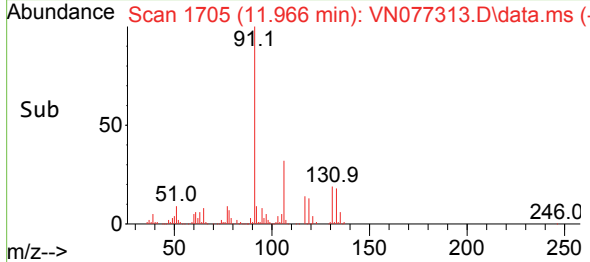
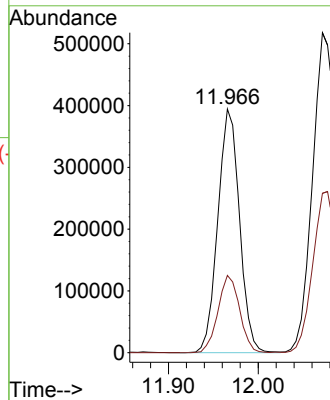
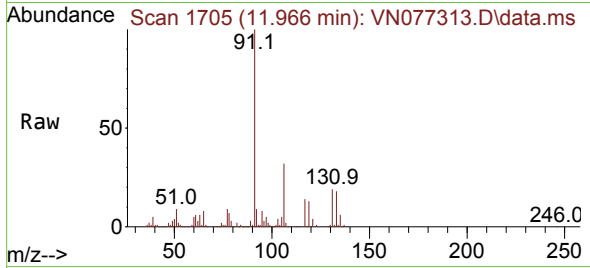




#67  
Ethyl Benzene  
Concen: 19.845 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

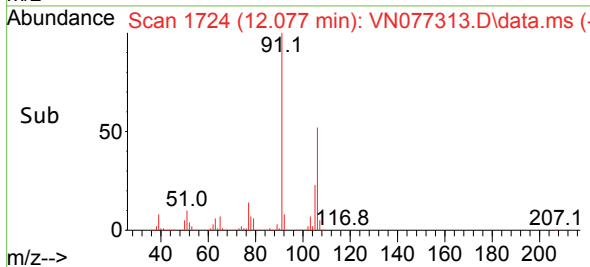
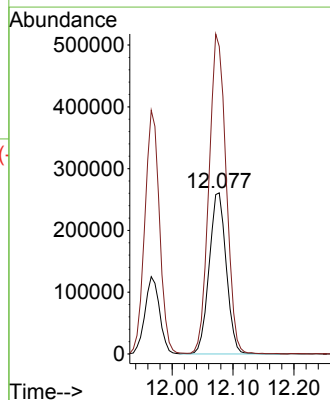
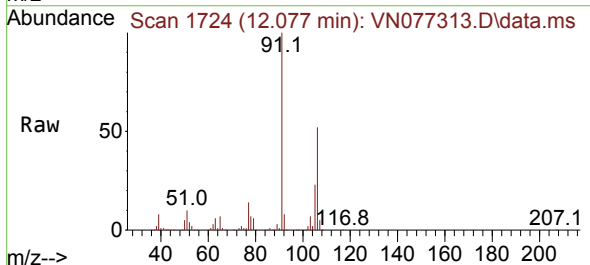
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

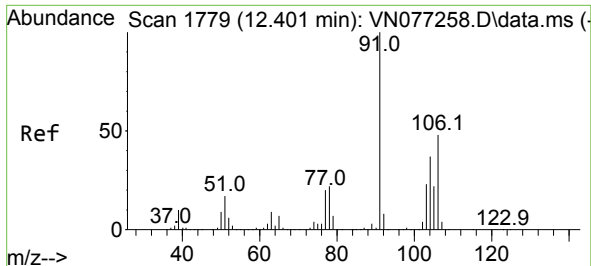
Tgt Ion: 91 Resp: 661548  
Ion Ratio Lower Upper  
91 100  
106 31.7 26.2 39.2



#68  
m/p-Xylenes  
Concen: 38.751 ug/l  
RT: 12.077 min Scan# 1724  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 106 Resp: 507588  
Ion Ratio Lower Upper  
106 100  
91 199.0 158.7 238.1

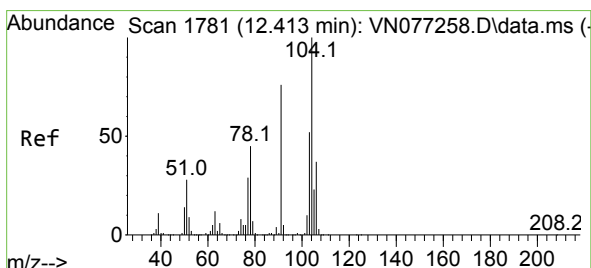
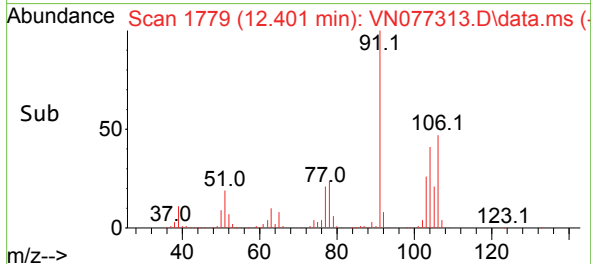
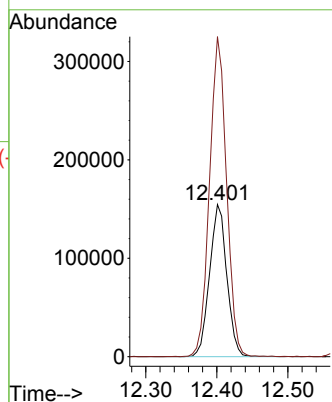
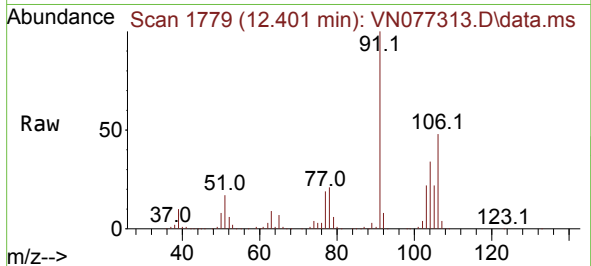




#69  
o-Xylene  
Concen: 20.156 ug/l  
RT: 12.401 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

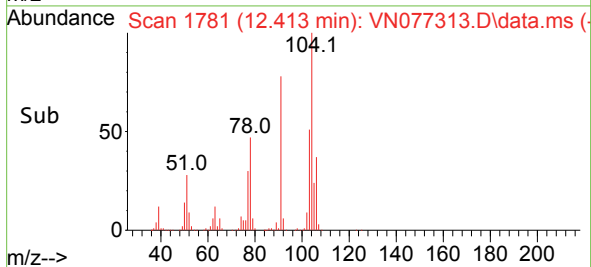
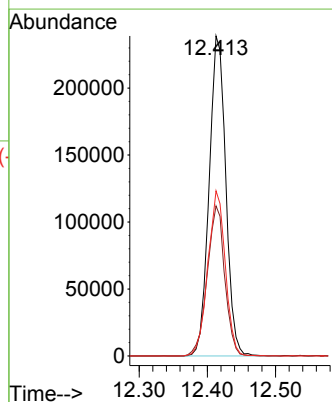
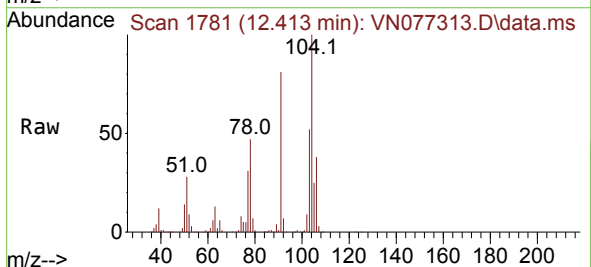
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

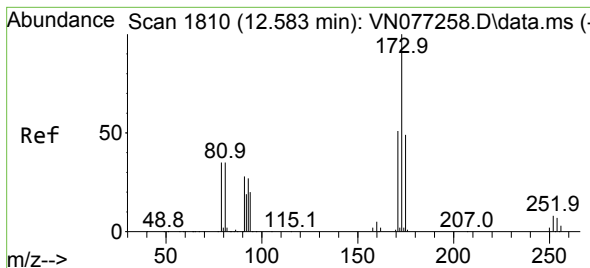
Tgt Ion:106 Resp: 260465  
Ion Ratio Lower Upper  
106 100  
91 207.9 104.0 312.0



#70  
Styrene  
Concen: 19.553 ug/l  
RT: 12.413 min Scan# 1781  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion:104 Resp: 406592  
Ion Ratio Lower Upper  
104 100  
78 49.4 38.0 57.0  
103 53.9 43.1 64.7





#71

Bromoform

Concen: 19.408 ug/l

RT: 12.583 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0412WBSD01

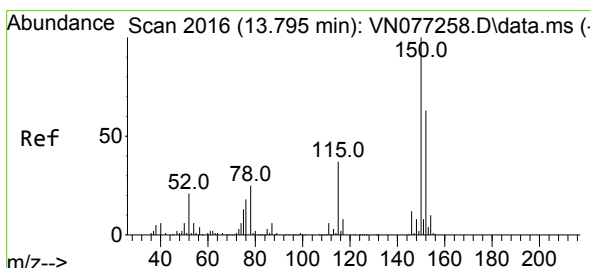
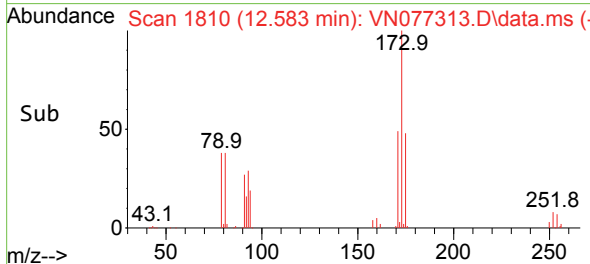
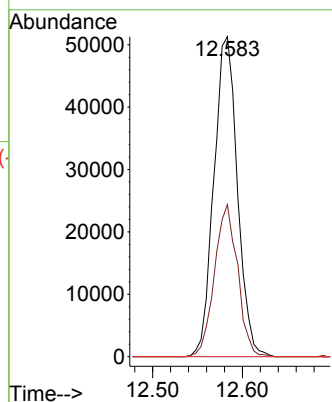
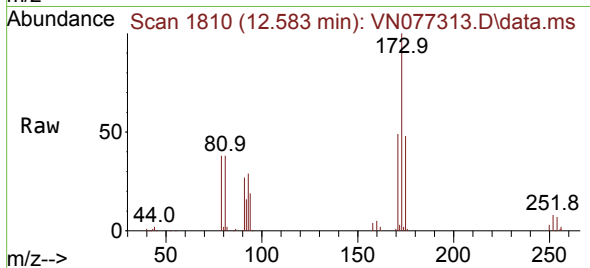
Tgt Ion:173 Resp: 93384

Ion Ratio Lower Upper

173 100

175 46.7 24.1 72.4

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

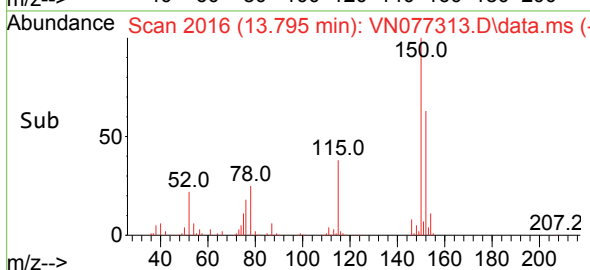
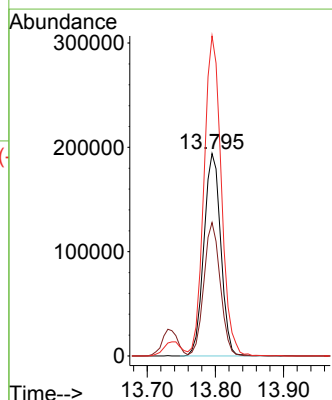
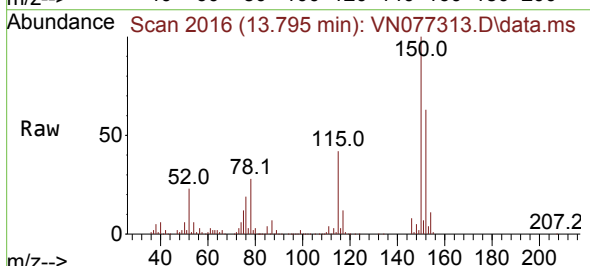
Tgt Ion:152 Resp: 333692

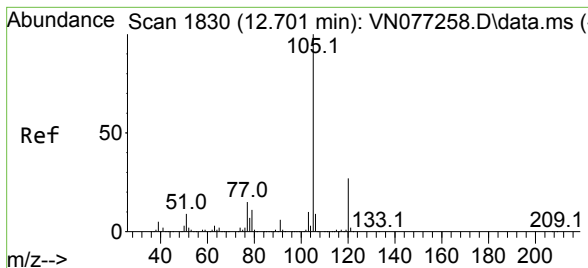
Ion Ratio Lower Upper

152 100

115 63.8 32.1 96.3

150 162.0 0.0 354.8





#73

Isopropylbenzene

Concen: 20.227 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Instrument :

MSVOA\_N

ClientSampleId :

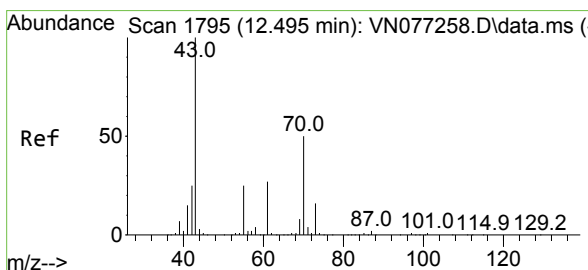
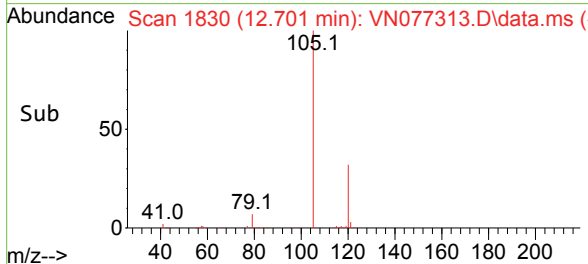
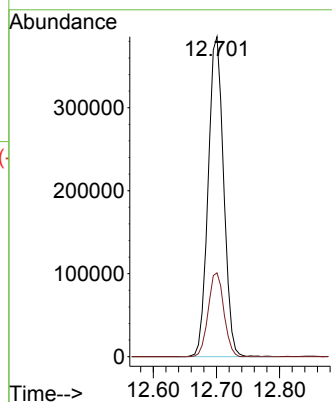
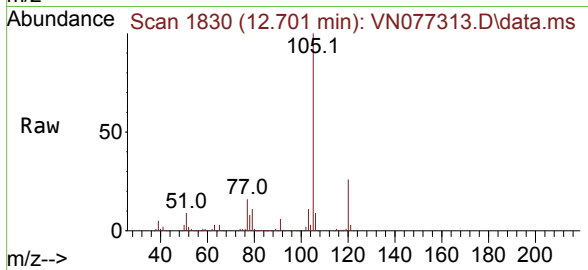
VN0412WBSD01

Tgt Ion:105 Resp: 655586

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



#74

N-ethyl acetate

Concen: 18.027 ug/l

RT: 12.495 min Scan# 1795

Delta R.T. 0.000 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Tgt Ion: 43 Resp: 221423

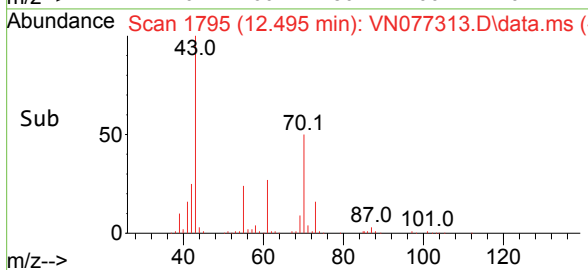
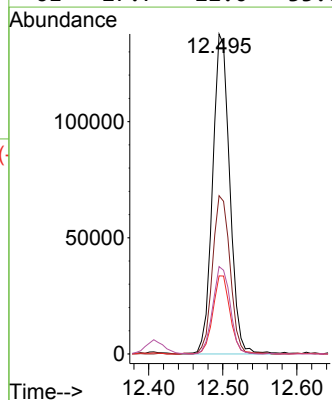
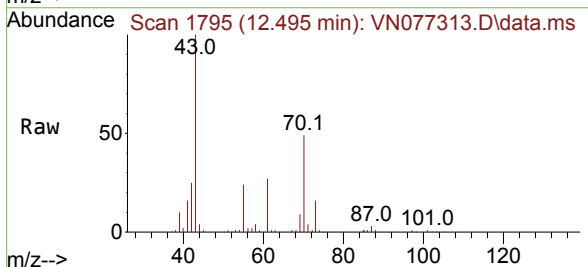
Ion Ratio Lower Upper

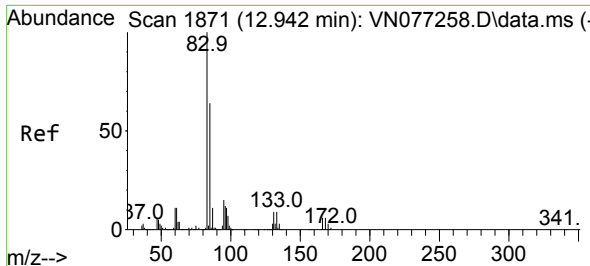
43 100

70 50.4 41.0 61.6

55 24.7 19.3 28.9

61 27.7 22.0 33.0

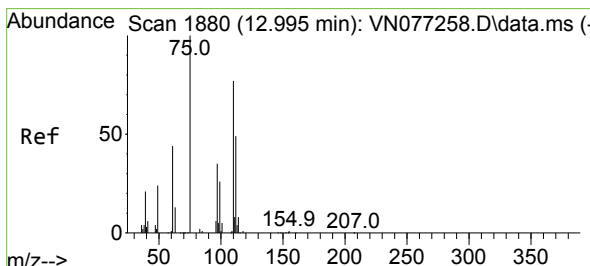
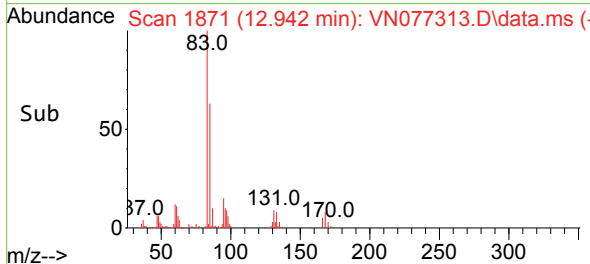
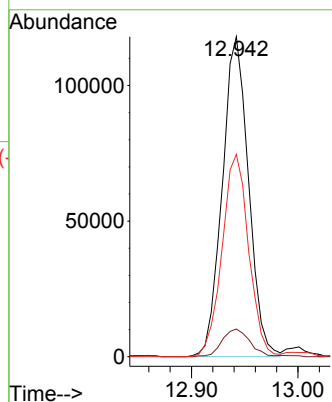
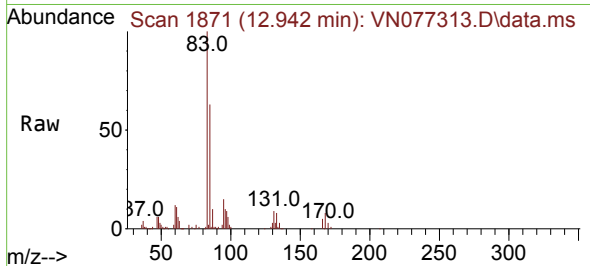




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 19.844 ug/l  
 RT: 12.942 min Scan# 1871  
 Delta R.T. 0.000 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

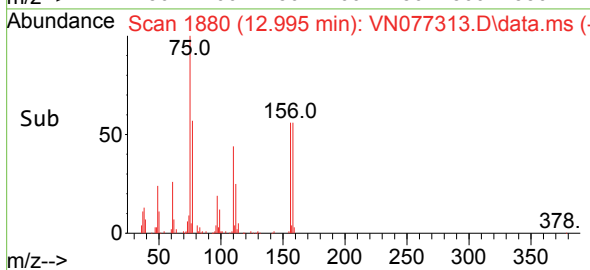
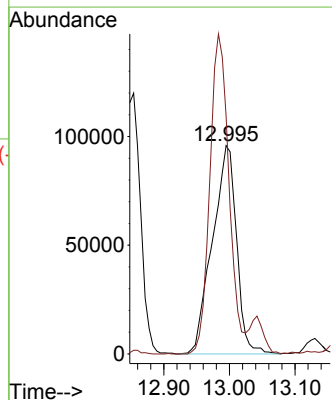
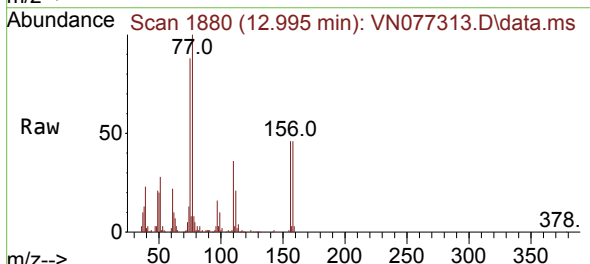
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0412WBSD01

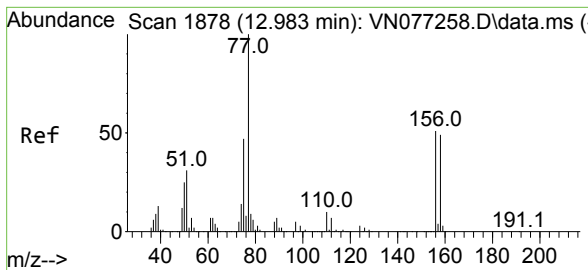
Tgt Ion: 83 Resp: 201840  
 Ion Ratio Lower Upper  
 83 100  
 131 9.4 4.9 14.6  
 85 64.1 32.1 96.3



#76  
 1,2,3-Trichloropropane  
 Concen: 30.836 ug/l  
 RT: 12.995 min Scan# 1880  
 Delta R.T. 0.000 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

Tgt Ion: 75 Resp: 245023  
 Ion Ratio Lower Upper  
 75 100  
 77 121.7 88.3 264.9

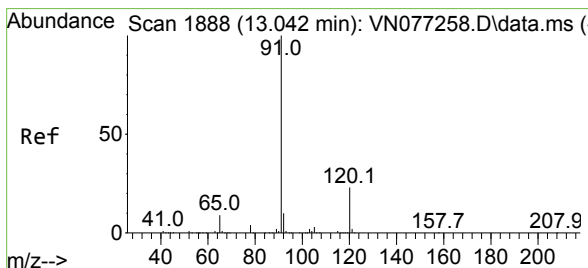
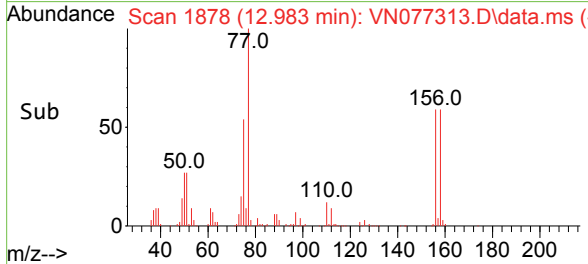
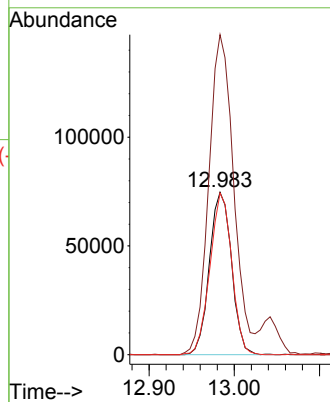
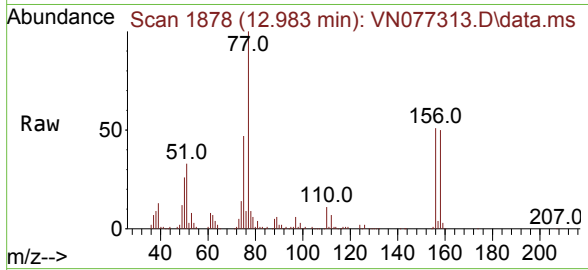




#77  
Bromobenzene  
Concen: 20.426 ug/l  
RT: 12.983 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

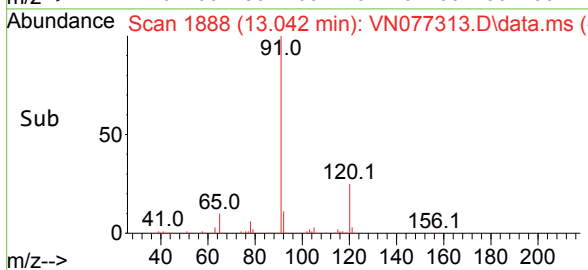
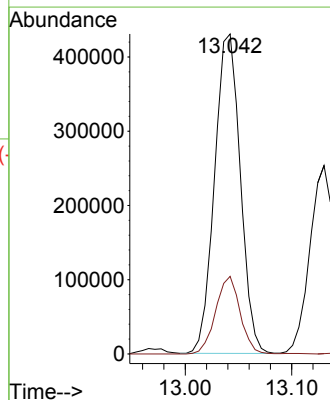
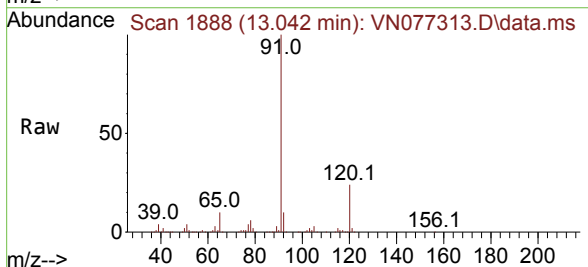
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

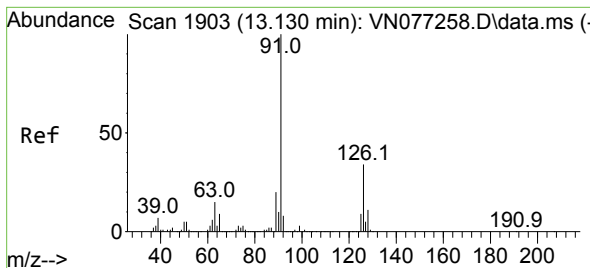
Tgt Ion:156 Resp: 134610  
Ion Ratio Lower Upper  
156 100  
77 221.5 115.3 345.8  
158 98.2 49.3 147.8



#78  
n-propylbenzene  
Concen: 20.151 ug/l  
RT: 13.042 min Scan# 1888  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 91 Resp: 721645  
Ion Ratio Lower Upper  
91 100  
120 23.1 11.5 34.5





#79

2-Chlorotoluene

Concen: 19.937 ug/l

RT: 13.130 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Instrument :

MSVOA\_N

ClientSampleId :

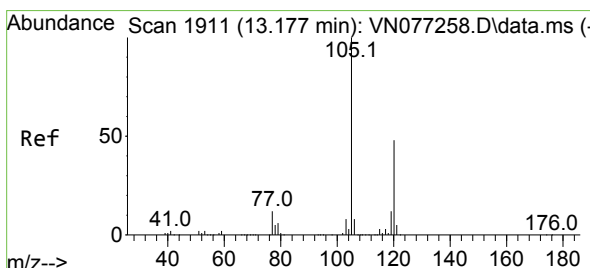
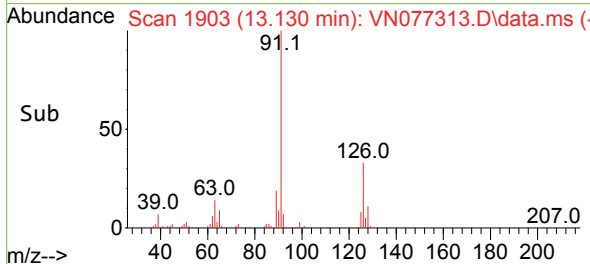
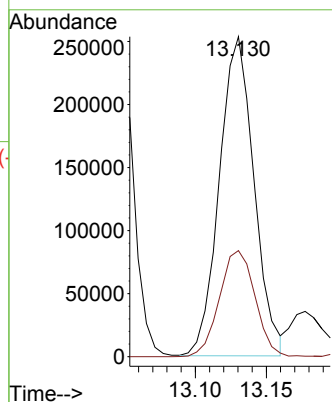
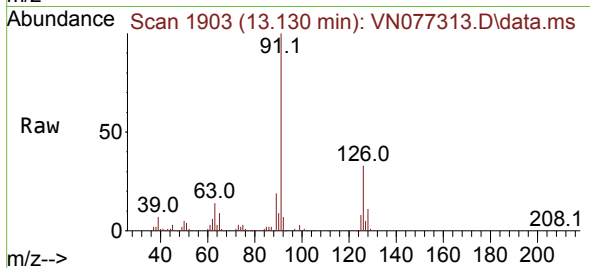
VN0412WBSD01

Tgt Ion: 91 Resp: 429912

Ion Ratio Lower Upper

91 100

126 34.2 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 20.665 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VN077313.D

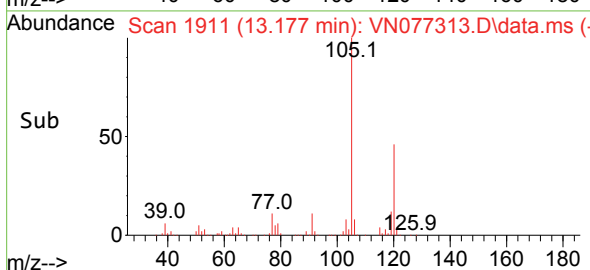
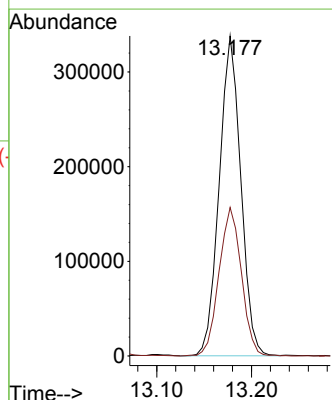
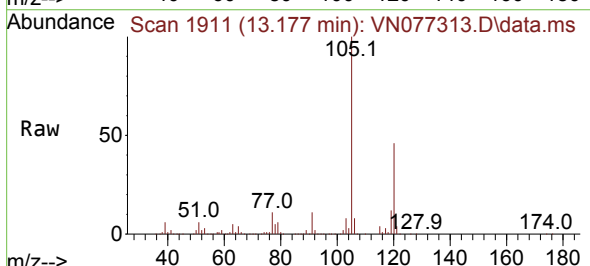
Acq: 12 Apr 2023 13:29

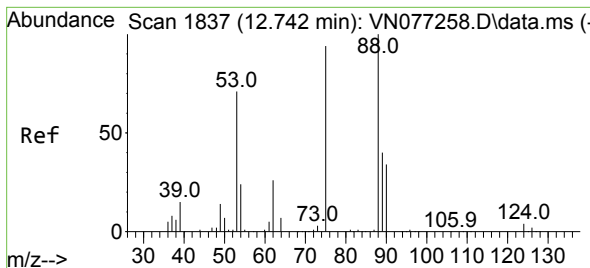
Tgt Ion:105 Resp: 534953

Ion Ratio Lower Upper

105 100

120 48.2 24.3 73.0

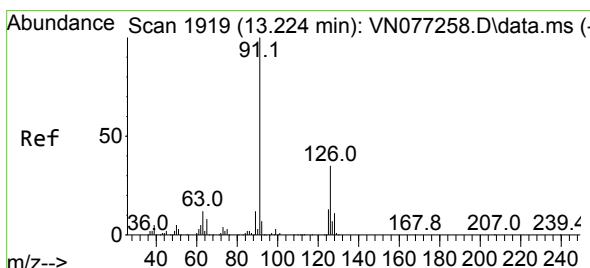
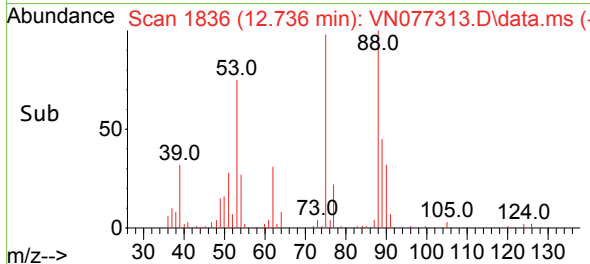
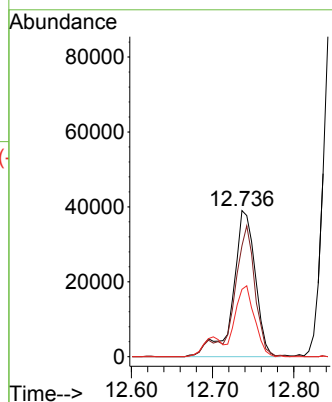
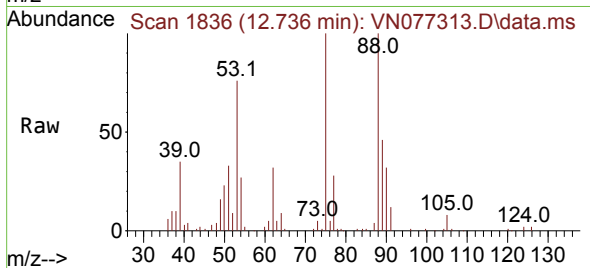




#81  
trans-1,4-Dichloro-2-butene  
Concen: 21.108 ug/l  
RT: 12.736 min Scan# 1836  
Delta R.T. -0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

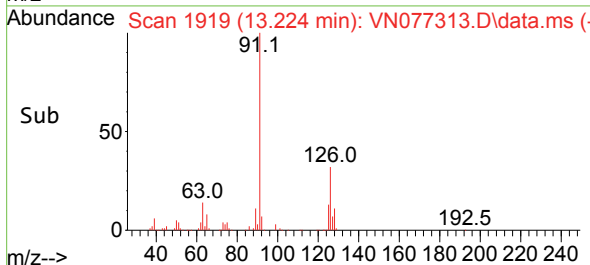
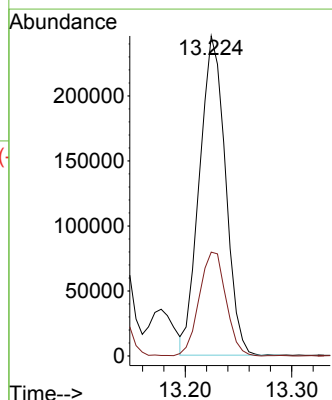
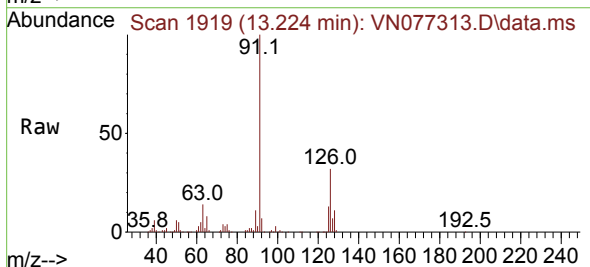
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

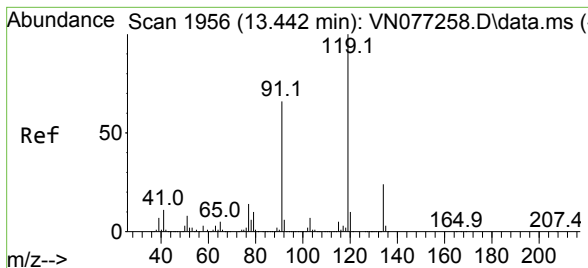
Tgt Ion: 75 Resp: 74535  
Ion Ratio Lower Upper  
75 100  
53 75.5 72.8 109.2  
89 42.6 37.4 56.2



#82  
4-Chlorotoluene  
Concen: 20.435 ug/l  
RT: 13.224 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 91 Resp: 415469  
Ion Ratio Lower Upper  
91 100  
126 33.5 16.9 50.7

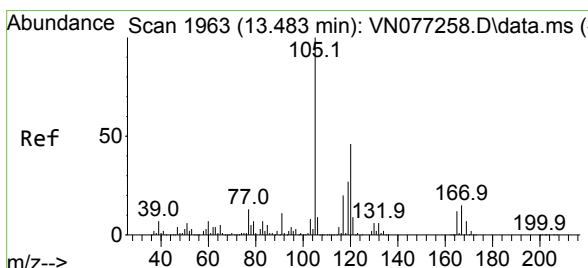
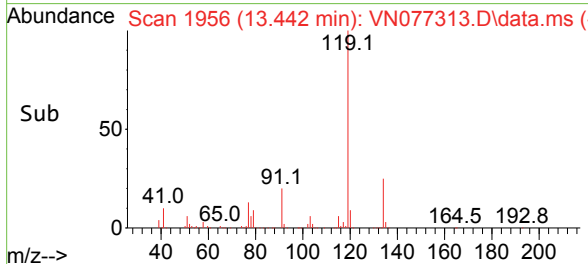
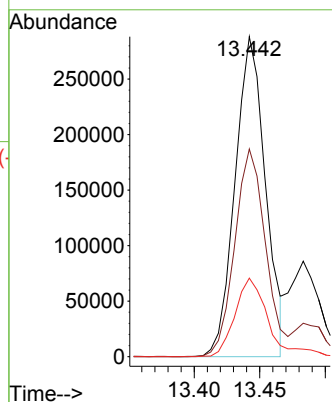
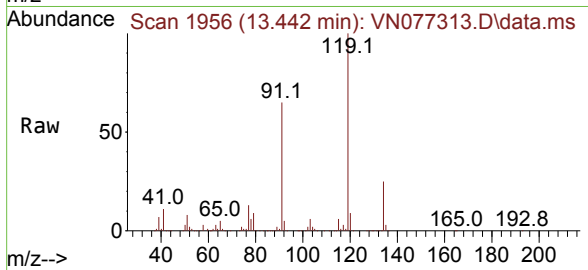




#83  
tert-Butylbenzene  
Concen: 20.184 ug/l  
RT: 13.442 min Scan# 1956  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

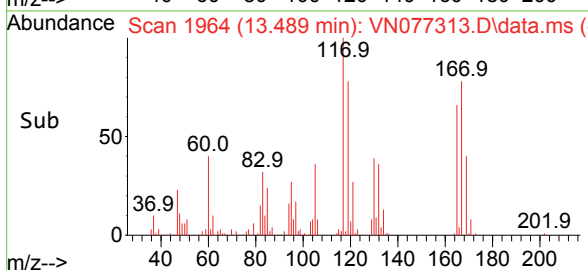
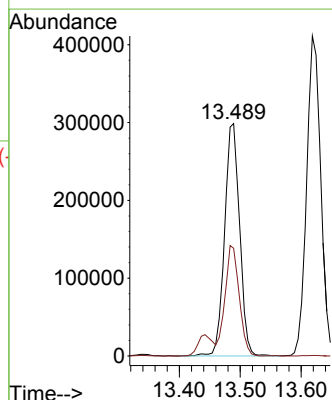
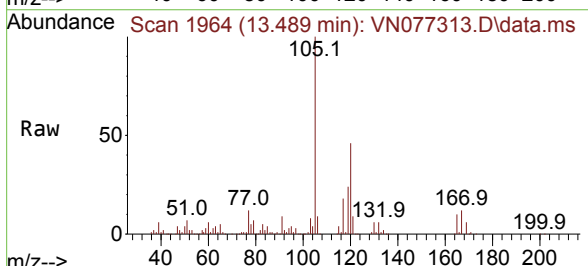
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

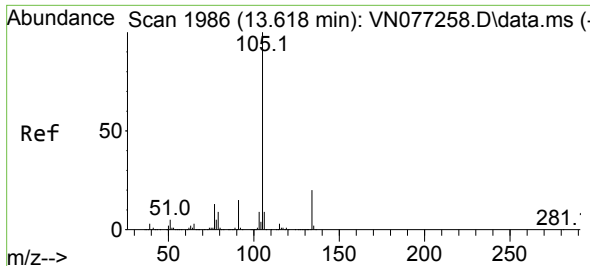
Tgt Ion:119 Resp: 465080  
Ion Ratio Lower Upper  
119 100  
91 66.0 33.5 100.4  
134 26.9 13.3 39.9



#84  
1,2,4-Trimethylbenzene  
Concen: 20.036 ug/l  
RT: 13.489 min Scan# 1964  
Delta R.T. 0.006 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion:105 Resp: 512406  
Ion Ratio Lower Upper  
105 100  
120 45.0 22.5 67.5

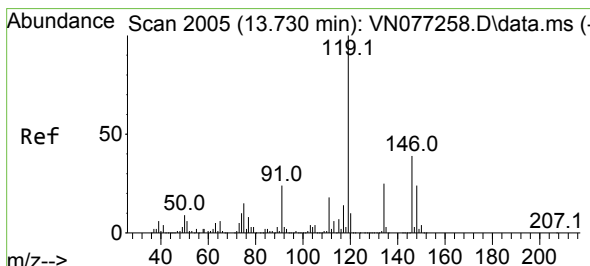
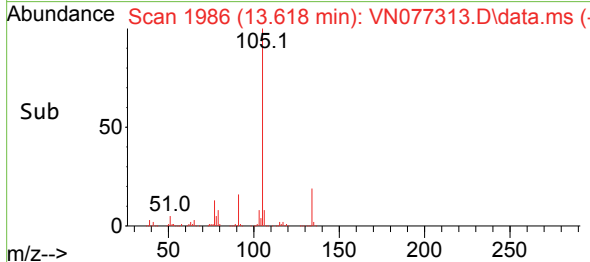
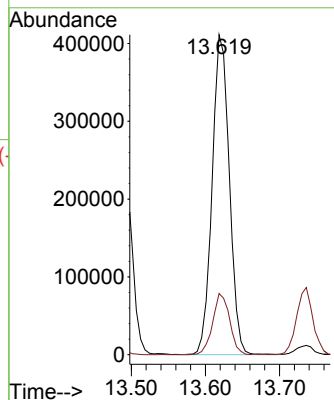
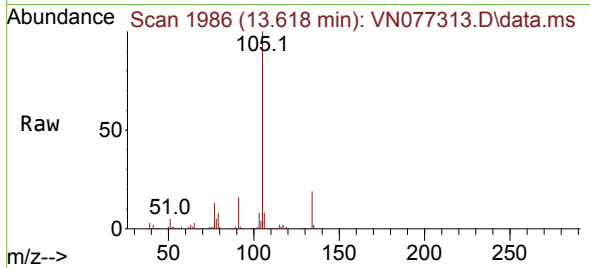




#85  
 sec-Butylbenzene  
 Concen: 20.644 ug/l  
 RT: 13.618 min Scan# 1986  
 Delta R.T. 0.000 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

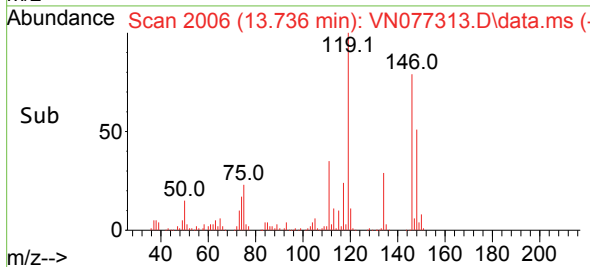
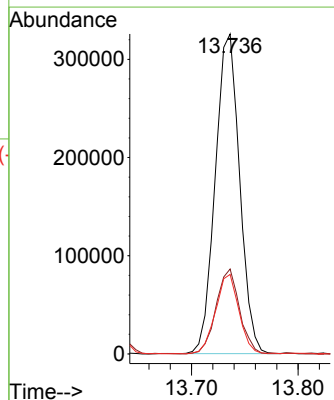
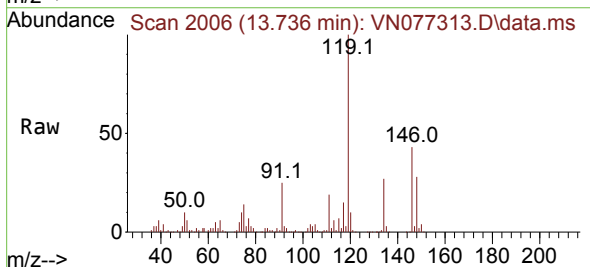
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0412WBSD01

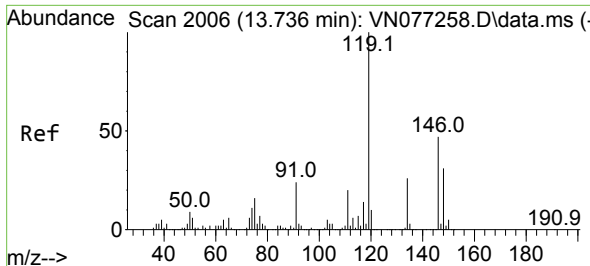
Tgt Ion:105 Resp: 662936  
 Ion Ratio Lower Upper  
 105 100  
 134 18.8 9.8 29.4



#86  
 p-Isopropyltoluene  
 Concen: 20.474 ug/l  
 RT: 13.736 min Scan# 2006  
 Delta R.T. 0.006 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

Tgt Ion:119 Resp: 516730  
 Ion Ratio Lower Upper  
 119 100  
 134 25.4 12.9 38.6  
 91 23.8 12.3 36.8

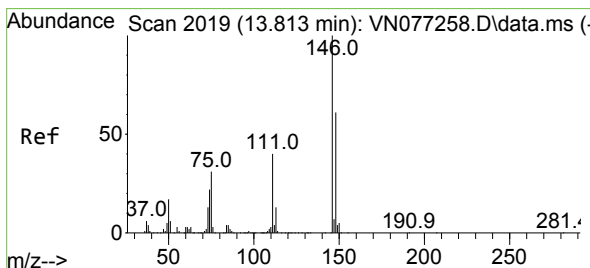
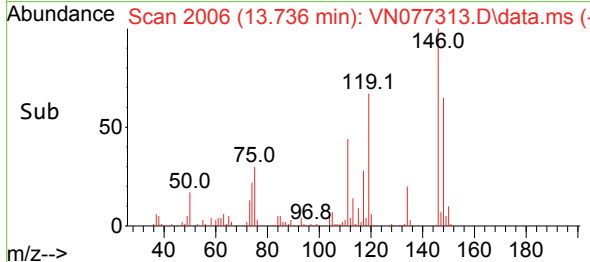
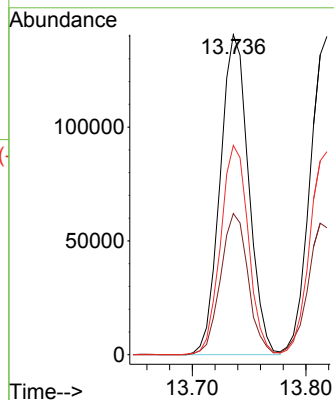
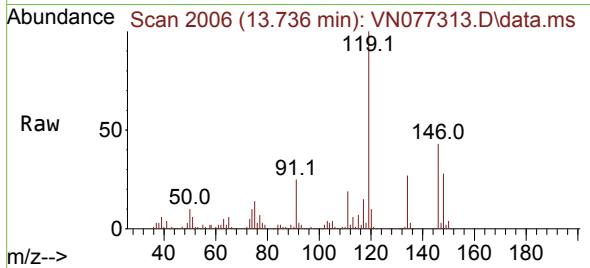




#87  
1,3-Dichlorobenzene  
Concen: 20.076 ug/l  
RT: 13.736 min Scan# 2006  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

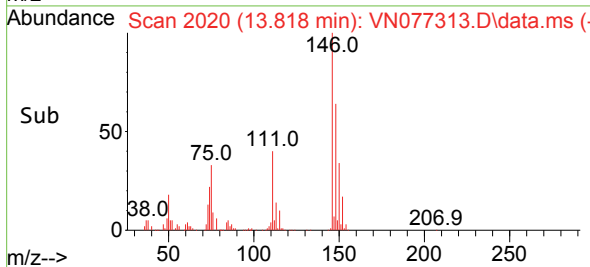
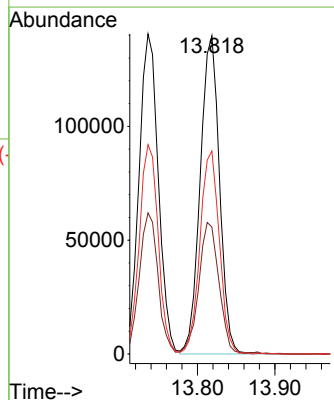
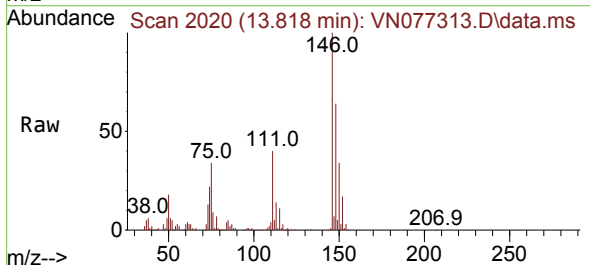
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

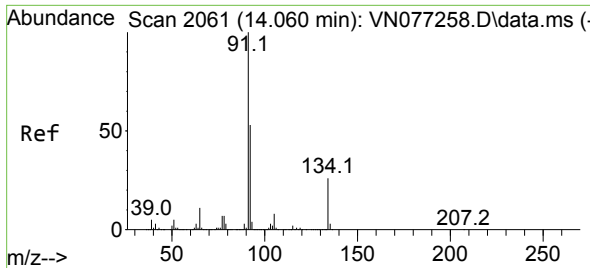
Tgt Ion:146 Resp: 244776  
Ion Ratio Lower Upper  
146 100  
111 42.7 21.8 65.4  
148 63.9 31.7 95.1



#88  
1,4-Dichlorobenzene  
Concen: 20.110 ug/l  
RT: 13.818 min Scan# 2020  
Delta R.T. 0.005 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion:146 Resp: 241797  
Ion Ratio Lower Upper  
146 100  
111 42.7 20.4 61.2  
148 64.2 31.6 95.0

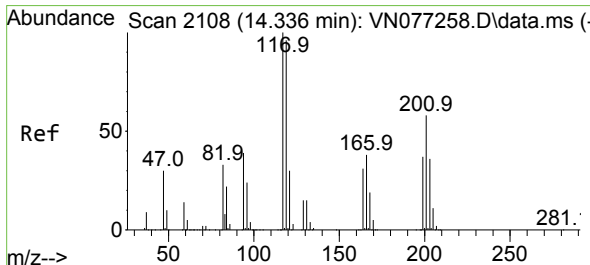
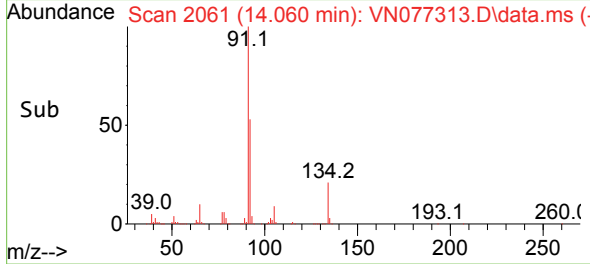
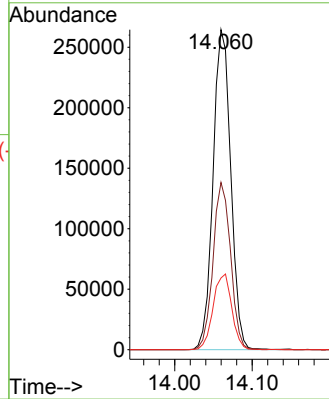
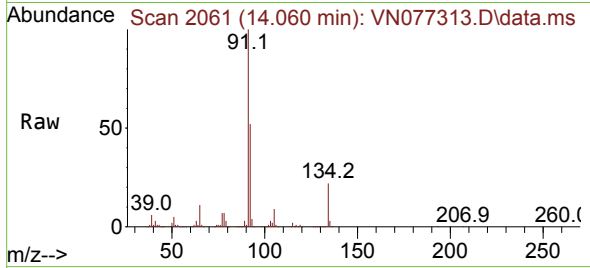




#89  
n-Butylbenzene  
Concen: 20.047 ug/l  
RT: 14.060 min Scan# 2061  
Delta R.T. -0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

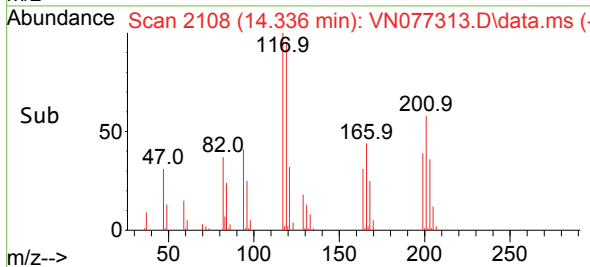
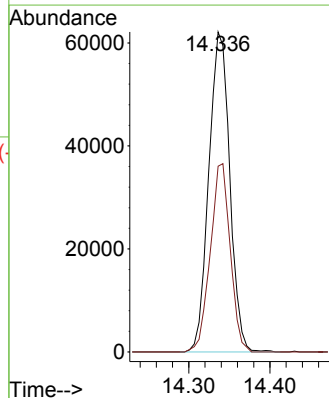
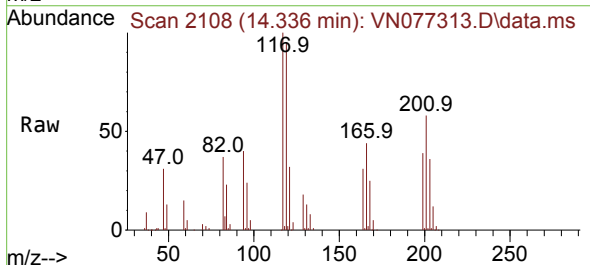
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0412WBSD01

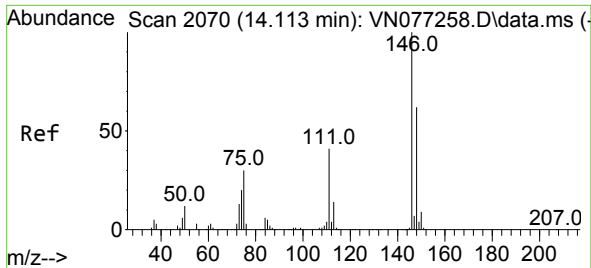
Tgt Ion: 91 Resp: 420017  
Ion Ratio Lower Upper  
91 100  
92 51.9 26.7 80.0  
134 24.9 12.8 38.3



#90  
Hexachloroethane  
Concen: 20.155 ug/l  
RT: 14.336 min Scan# 2108  
Delta R.T. 0.000 min  
Lab File: VN077313.D  
Acq: 12 Apr 2023 13:29

Tgt Ion: 117 Resp: 111216  
Ion Ratio Lower Upper  
117 100  
201 56.0 29.8 89.5

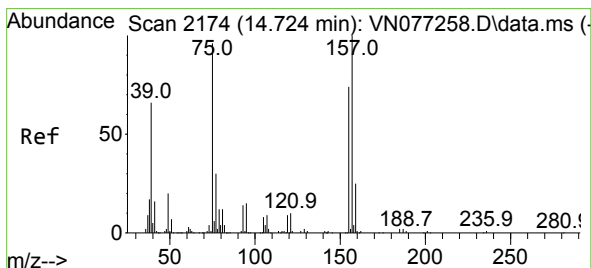
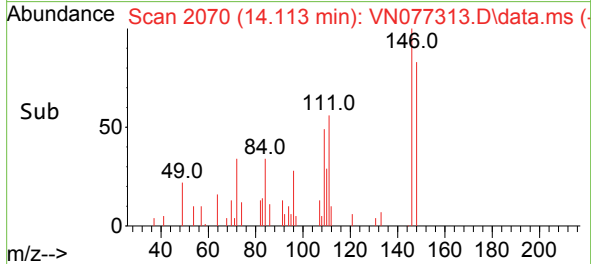
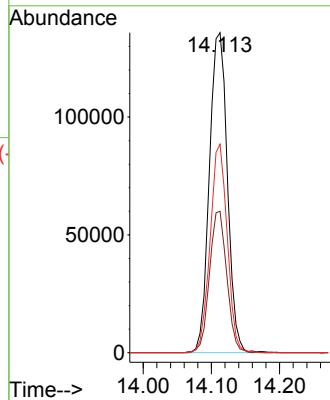
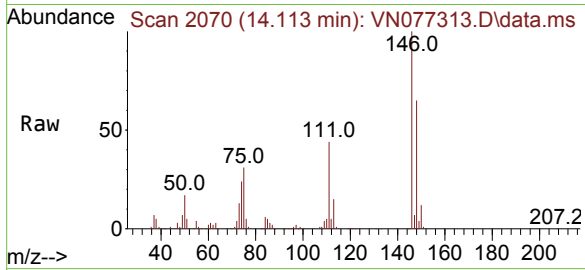




#91  
 1,2-Dichlorobenzene  
 Concen: 20.462 ug/l  
 RT: 14.113 min Scan# 2070  
 Delta R.T. -0.000 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

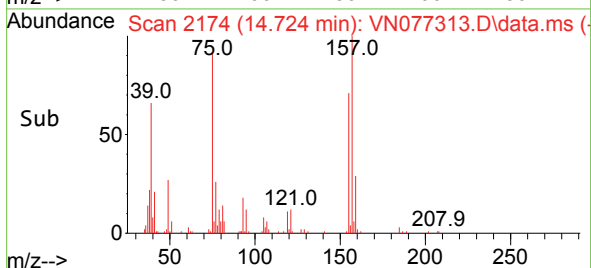
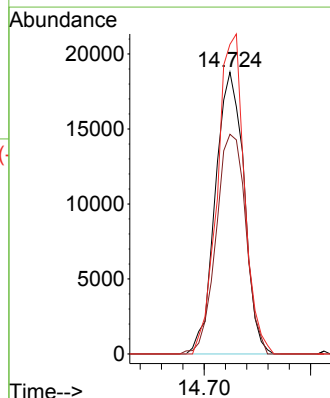
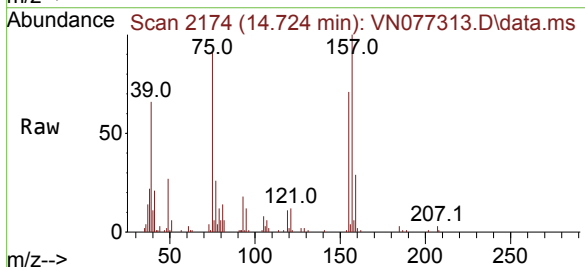
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0412WBSD01

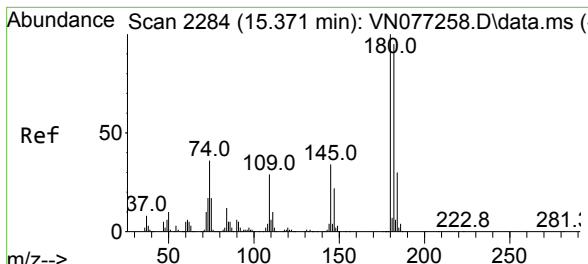
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 249571 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 42.5  | 21.9  | 65.5   |
| 148       | 62.0  | 31.9  | 95.5   |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.199 ug/l  
 RT: 14.724 min Scan# 2174  
 Delta R.T. 0.000 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 35081 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 81.0  | 41.0  | 123.2 |
| 157       | 106.9 | 54.0  | 162.0 |

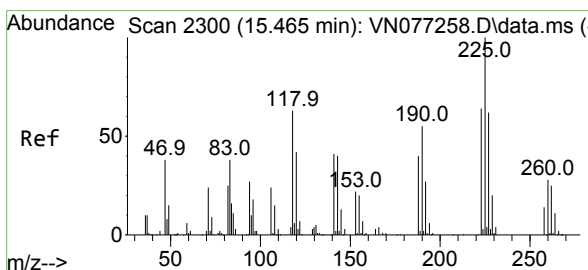
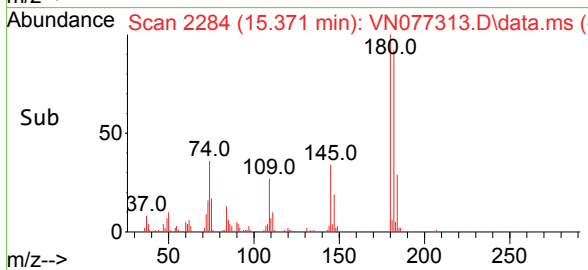
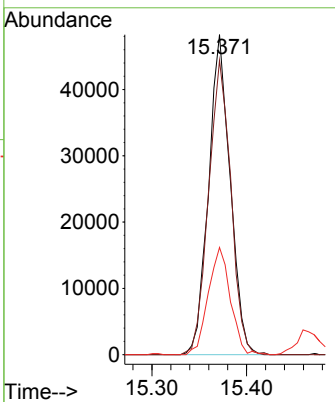
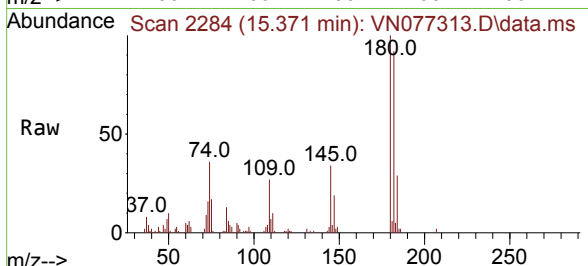




#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.379 ug/l  
 RT: 15.371 min Scan# 2284  
 Delta R.T. 0.000 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

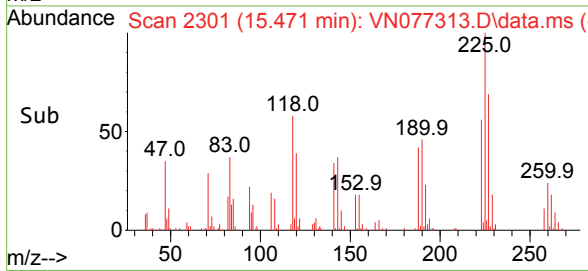
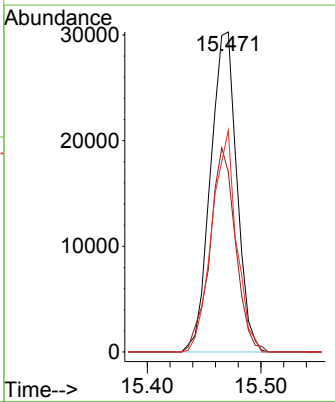
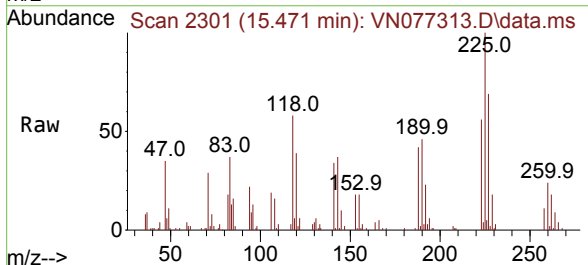
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0412WBSD01

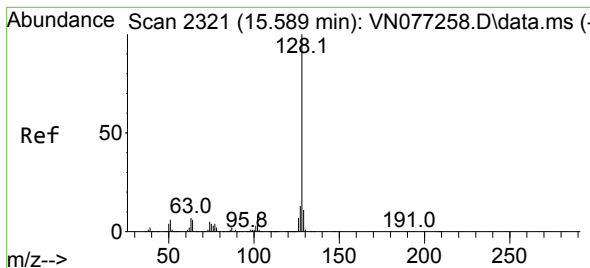
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 76522 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.8  | 46.7  | 140.0 |
| 145       | 34.4  | 16.6  | 49.8  |



#94  
 Hexachlorobutadiene  
 Concen: 19.098 ug/l  
 RT: 15.471 min Scan# 2301  
 Delta R.T. 0.006 min  
 Lab File: VN077313.D  
 Acq: 12 Apr 2023 13:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 48676 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.3  | 31.7  | 95.1  |
| 227       | 64.9  | 31.2  | 93.6  |





#95

Naphthalene

Concen: 17.040 ug/l

RT: 15.589 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0412WBSD01

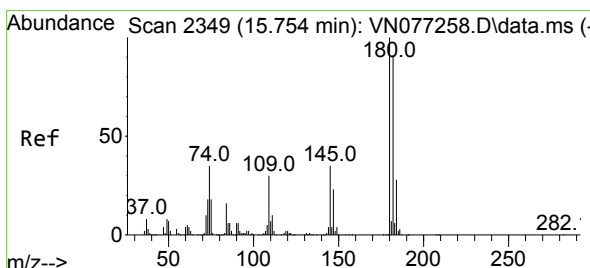
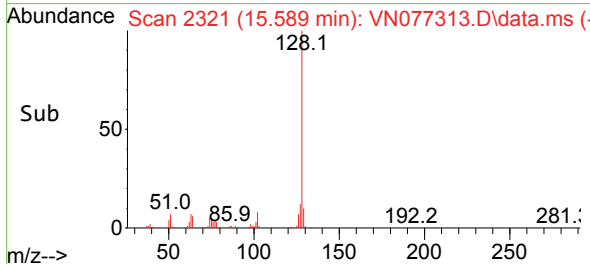
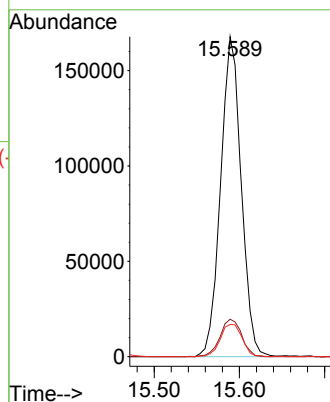
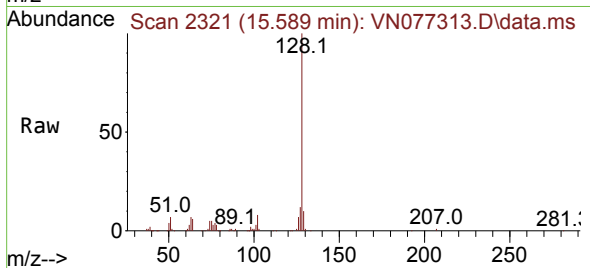
Tgt Ion:128 Resp: 281849

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

129 10.8 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 16.901 ug/l

RT: 15.760 min Scan# 2350

Delta R.T. 0.006 min

Lab File: VN077313.D

Acq: 12 Apr 2023 13:29

Tgt Ion:180 Resp: 71180

Ion Ratio Lower Upper

180 100

182 95.3 46.9 140.8

145 36.1 17.6 52.8

