

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032223\  
 Data File : VN077119.D  
 Acq On : 22 Mar 2023 20:53  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Mar 22 23:30:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 20 08:50:30 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.231  | 168  | 513314   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.107  | 114  | 890845   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.866 | 117  | 199173   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 91031    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.584  | 65    | 418265   | 51.012   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 102.020% |      |
| 35) Dibromofluoromethane    | 8.172  | 113   | 328891   | 52.718   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 105.440% |      |
| 50) Toluene-d8              | 10.572 | 98    | 590411   | 26.493   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 52.980%# |      |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 90011    | 11.430   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 22.860%# |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.137 | 85  | 110252  | 22.074  | ug/l   | 97  |
| 3) Chloromethane             | 2.372 | 50  | 82174   | 15.889  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.525 | 62  | 146005  | 26.154  | ug/l   | 98  |
| 5) Bromomethane              | 2.949 | 94  | 123185  | 32.668  | ug/l   | 99  |
| 6) Chloroethane              | 3.125 | 64  | 191138  | 54.110  | ug/l   | 96  |
| 7) Trichlorofluoromethane    | 3.507 | 101 | 544441  | 45.334  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.972 | 74  | 264838  | 58.596  | ug/l   | 93  |
| 9) 1,1,2-Trichlorotrifluo... | 4.384 | 101 | 309520  | 45.434  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.601 | 142 | 421192  | 54.893  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.531 | 59  | 345649  | 289.299 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 4.354 | 96  | 302259  | 48.501  | ug/l   | 98  |
| 13) Acrolein                 | 4.190 | 56  | 421066  | 284.933 | ug/l   | 98  |
| 14) Allyl chloride           | 5.037 | 41  | 525639  | 46.072  | ug/l   | 97  |
| 15) Acrylonitrile            | 5.731 | 53  | 1099358 | 273.703 | ug/l   | 99  |
| 16) Acetone                  | 4.437 | 43  | 863934  | 236.473 | ug/l   | 98  |
| 17) Carbon Disulfide         | 4.725 | 76  | 763862  | 42.035  | ug/l   | 96  |
| 18) Methyl Acetate           | 5.037 | 43  | 731640  | 53.107  | ug/l   | 95  |
| 19) Methyl tert-butyl Ether  | 5.807 | 73  | 1240641 | 55.469  | ug/l   | 100 |
| 20) Methylene Chloride       | 5.290 | 84  | 416803  | 52.567  | ug/l   | 95  |
| 21) trans-1,2-Dichloroethene | 5.795 | 96  | 325768  | 48.228  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.684 | 45  | 1304174 | 52.173  | ug/l   | 99  |
| 23) Vinyl Acetate            | 6.613 | 43  | 4140672 | 262.499 | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 6.578 | 63  | 696965  | 48.725  | ug/l   | 98  |
| 25) 2-Butanone               | 7.489 | 43  | 1363191 | 255.068 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 7.495 | 77  | 441241  | 40.997  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 7.495 | 96  | 408451  | 52.797  | ug/l   | 94  |
| 28) Bromochloromethane       | 7.819 | 49  | 299703  | 48.247  | ug/l   | 92  |
| 29) Tetrahydrofuran          | 7.842 | 42  | 919579  | 265.527 | ug/l   | 95  |
| 30) Chloroform               | 7.972 | 83  | 688619  | 49.601  | ug/l   | 100 |
| 31) Cyclohexane              | 8.266 | 56  | 527738  | 39.339  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 8.178 | 97  | 535778  | 45.153  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.378 | 75  | 458521  | 47.055  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.566 | 43  | 553378  | 53.078  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 8.366 | 117 | 441669  | 46.534  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.607 | 83  | 501893  | 44.004  | ug/l   | 98  |
| 40) Benzene                  | 8.613 | 78  | 1482480 | 50.165  | ug/l   | 100 |

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 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Mar 22 23:30:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 20 08:50:30 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.789  | 41   | 314363   | 55.971   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.678  | 62   | 544953   | 51.031   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.695  | 43   | 873012   | 53.603   | ug/l   | 97       |
| 44) Trichloroethene           | 9.354  | 130  | 314031   | 46.262   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.625  | 63   | 384516   | 48.990   | ug/l   | 99       |
| 46) Dibromomethane            | 9.713  | 93   | 241195   | 48.725   | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.889  | 83   | 465369   | 44.825   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.683  | 41   | 401290   | 51.539   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.695  | 88   | 148951   | 1120.053 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.448 | 43   | 1493499  | 147.257  | ug/l   | 96       |
| 52) Toluene                   | 10.630 | 92   | 405622   | 22.988   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.842 | 75   | 141958   | 13.951   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.313 | 75   | 465386   | 40.536   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.019 | 97   | 95036    | 13.659   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.878 | 69   | 151494   | 14.479   | ug/l # | 94       |
| 57) 1,3-Dichloropropane       | 11.166 | 76   | 170304   | 13.369   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.166 | 63   | 933148   | 209.200  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.201 | 43   | 530765   | 72.152   | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.360 | 129  | 95992    | 13.734   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.472 | 107  | 91180    | 13.215   | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.107 | 164  | 61722    | 46.174   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.895 | 112  | 233466   | 50.945   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.966 | 131  | 83955    | 49.510   | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.966 | 91   | 419997   | 50.456   | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.077 | 106  | 319661   | 103.548  | ug/l   | 93       |
| 69) o-Xylene                  | 12.401 | 106  | 159345   | 51.948   | ug/l   | 96       |
| 70) Styrene                   | 12.413 | 104  | 264485   | 55.383   | ug/l   | 96       |
| 71) Bromoform                 | 12.583 | 173  | 62825    | 54.676   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.701 | 105  | 391197   | 47.953   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.501 | 43   | 194284   | 55.022   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.942 | 83   | 144966   | 49.049   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.995 | 75   | 175936   | 74.719   | ug/l   | 39       |
| 77) Bromobenzene              | 12.983 | 156  | 86173    | 47.154   | ug/l   | 96       |
| 78) n-propylbenzene           | 13.042 | 91   | 460060   | 48.852   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.130 | 91   | 272980   | 45.491   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 327505   | 48.084   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.742 | 75   | 47095    | 55.054   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 263108   | 46.109   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.442 | 119  | 273654   | 47.853   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.483 | 105  | 340549   | 50.103   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 407371   | 50.078   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.730 | 119  | 337286   | 51.631   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.736 | 146  | 167033   | 48.361   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.813 | 146  | 163814   | 47.670   | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.060 | 91   | 290149   | 50.628   | ug/l   | 97       |
| 90) Hexachloroethane          | 14.336 | 117  | 58678    | 44.179   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 14.107 | 146  | 166242   | 48.287   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.724 | 75   | 24478    | 44.696   | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.395 | 180  | 78441    | 50.401   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.501 | 225  | 37427    | 43.666   | ug/l   | 98       |
| 95) Naphthalene               | 15.642 | 128  | 279268   | 46.321   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.848 | 180  | 79746    | 51.065   | ug/l   | 98       |

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Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 25 Sample Multiplier: 1

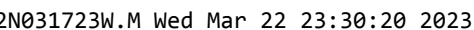
Instrument :  
MSVOA\_N  
ClientSampleId :

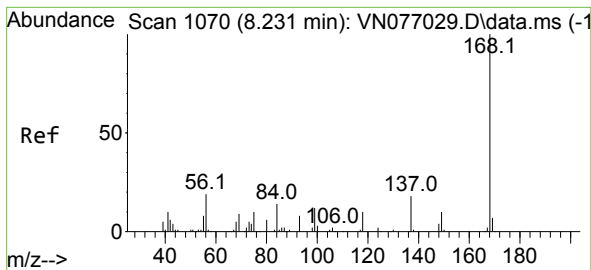
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 20 08:50:30 2023  
Response via : Initial Calibration

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

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

Quant Time: Mar 22 23:30:10 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 20 08:50:30 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

Instrument :

MSVOA\_N

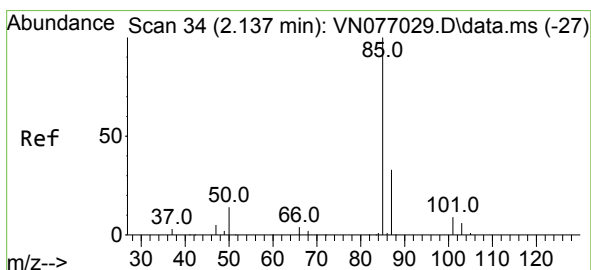
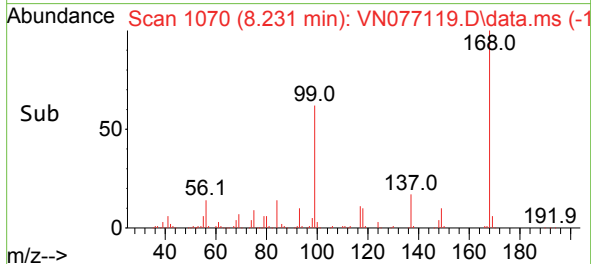
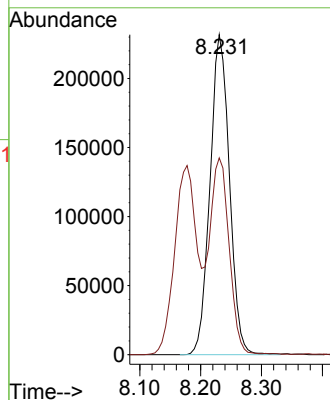
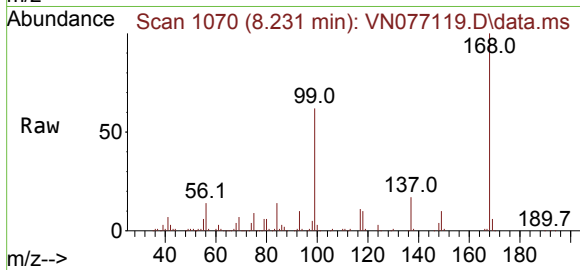
ClientSampleId :

Tgt Ion:168 Resp: 513314

Ion Ratio Lower Upper

168 100

99 61.3 53.9 80.9



#2

Dichlorodifluoromethane

Concen: 22.074 ug/l

RT: 2.137 min Scan# 34

Delta R.T. -0.000 min

Lab File: VN077119.D

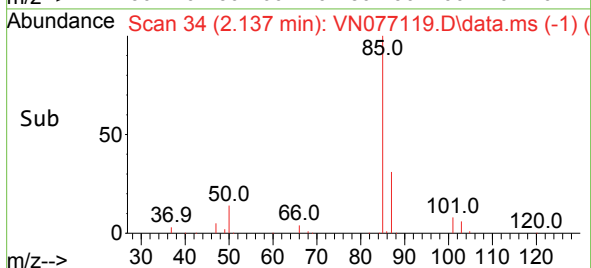
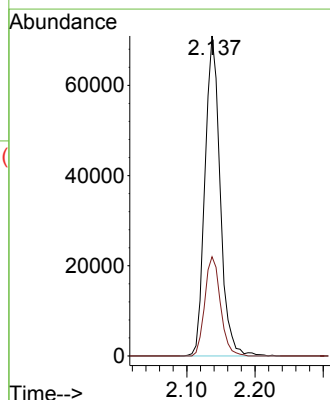
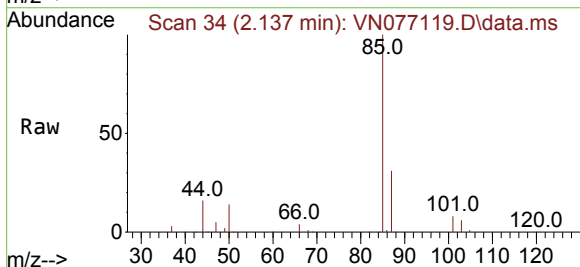
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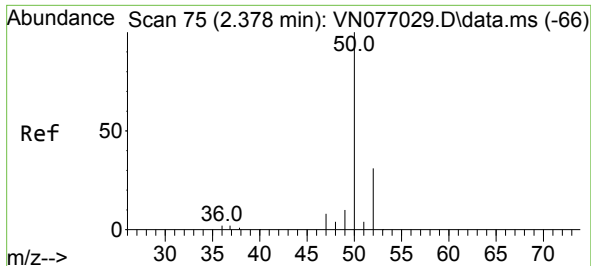
Tgt Ion: 85 Resp: 110252

Ion Ratio Lower Upper

85 100

87 31.0 16.4 49.2

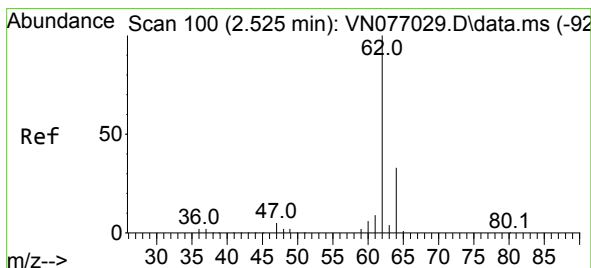
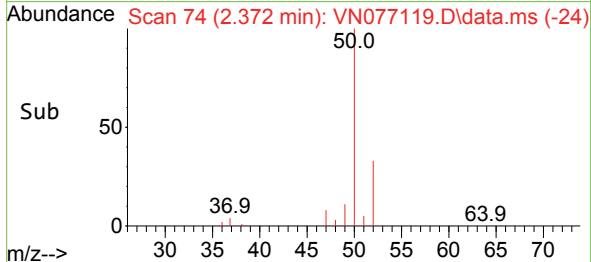
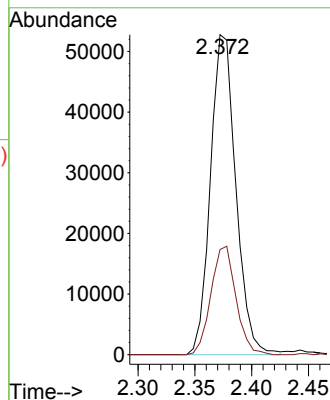
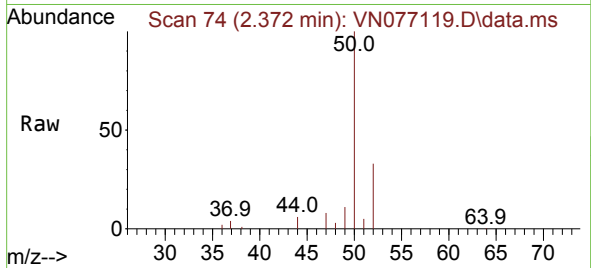




#3  
Chloromethane  
Concen: 15.889 ug/l  
RT: 2.372 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

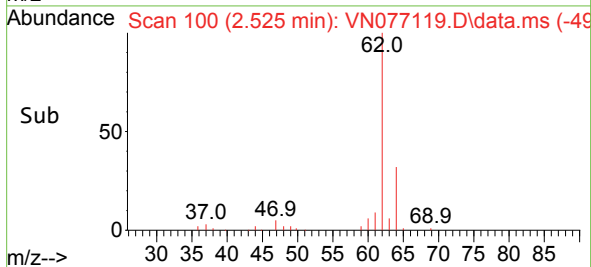
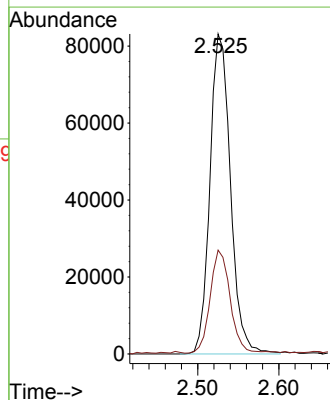
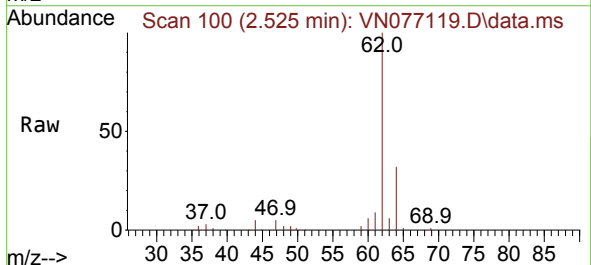
Instrument :  
MSVOA\_N  
ClientSampleId :

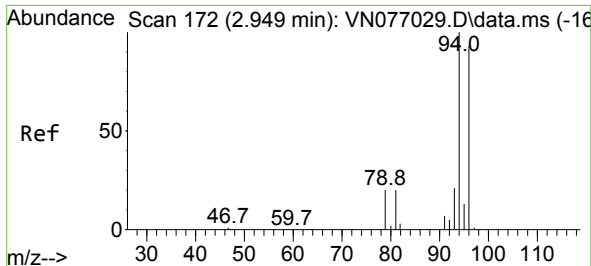
Tgt Ion: 50 Resp: 82174  
Ion Ratio Lower Upper  
50 100  
52 32.8 25.1 37.7



#4  
Vinyl Chloride  
Concen: 26.154 ug/l  
RT: 2.525 min Scan# 100  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 62 Resp: 146005  
Ion Ratio Lower Upper  
62 100  
64 32.0 26.6 40.0

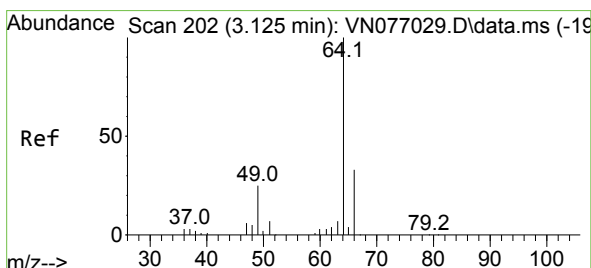
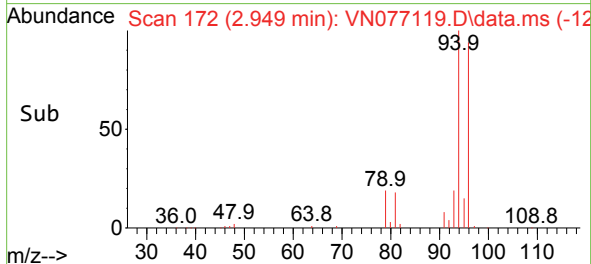
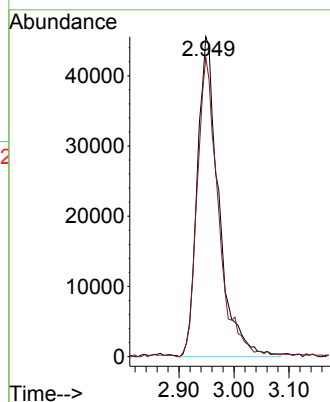
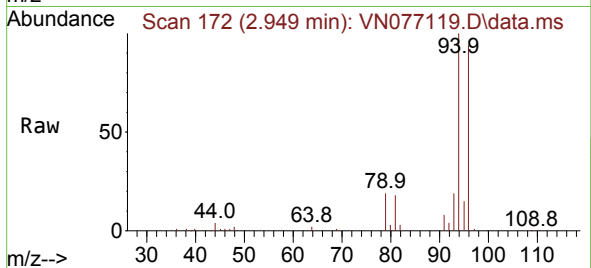




#5  
Bromomethane  
Concen: 32.668 ug/l  
RT: 2.949 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

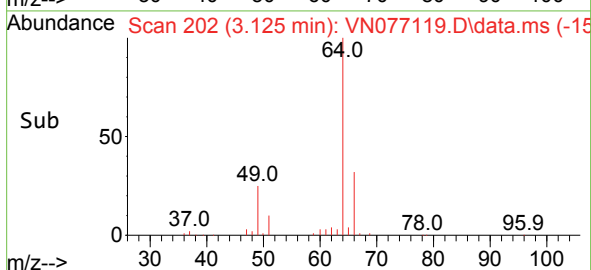
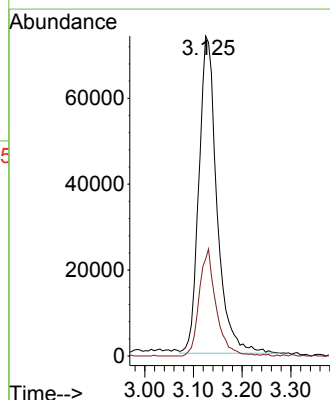
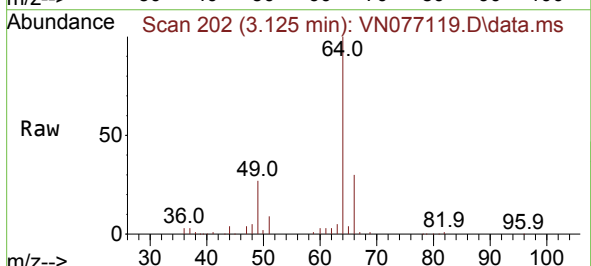
Instrument :  
MSVOA\_N  
ClientSampleId :

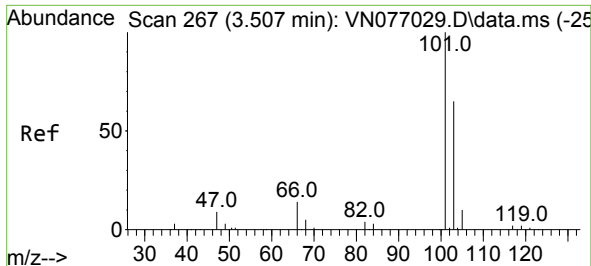
Tgt Ion: 94 Resp: 123185  
Ion Ratio Lower Upper  
94 100  
96 93.5 74.1 111.1



#6  
Chloroethane  
Concen: 54.110 ug/l  
RT: 3.125 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 64 Resp: 191138  
Ion Ratio Lower Upper  
64 100  
66 30.5 26.3 39.5

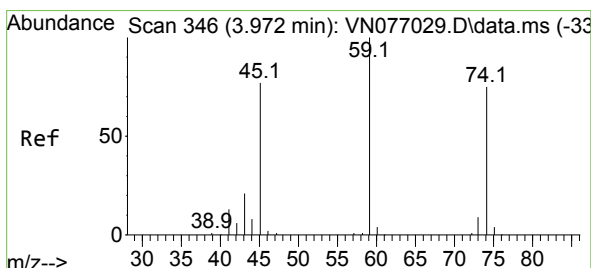
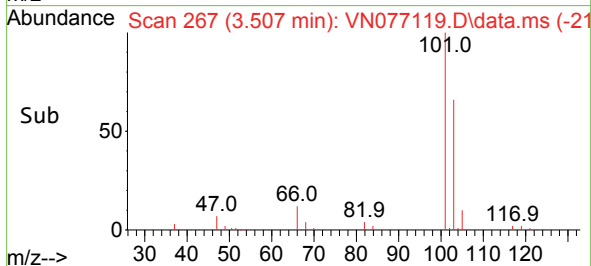
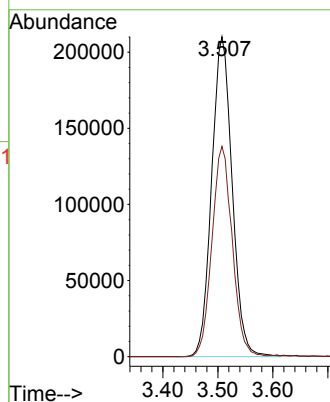
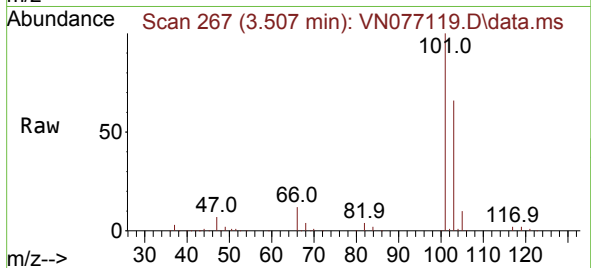




#7  
 Trichlorofluoromethane  
 Concen: 45.334 ug/l  
 RT: 3.507 min Scan# 267  
 Delta R.T. 0.000 min  
 Lab File: VN077119.D  
 Acq: 22 Mar 2023 20:53

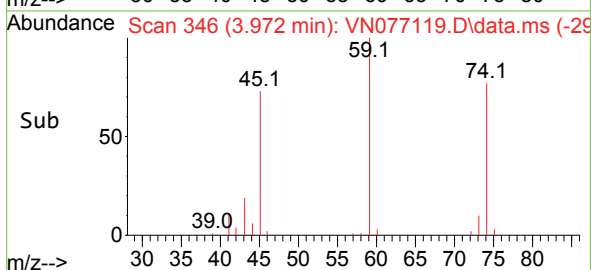
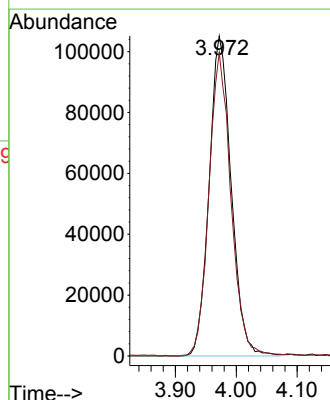
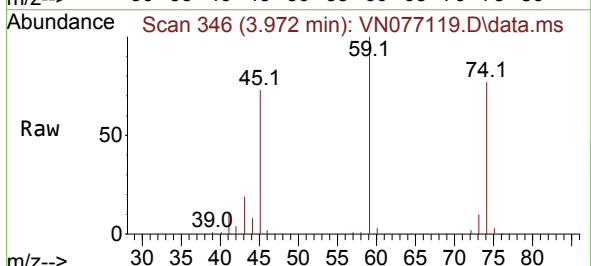
Instrument :  
 MSVOA\_N  
 ClientSampleId :

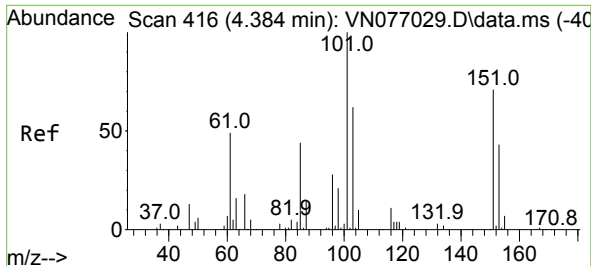
Tgt Ion:101 Resp: 544441  
 Ion Ratio Lower Upper  
 101 100  
 103 65.7 51.8 77.6



#8  
 Diethyl Ether  
 Concen: 58.596 ug/l  
 RT: 3.972 min Scan# 346  
 Delta R.T. 0.000 min  
 Lab File: VN077119.D  
 Acq: 22 Mar 2023 20:53

Tgt Ion: 74 Resp: 264838  
 Ion Ratio Lower Upper  
 74 100  
 45 94.5 50.8 152.5

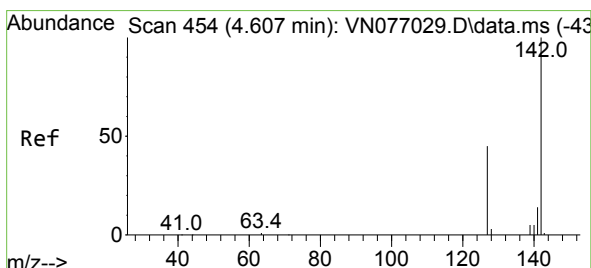
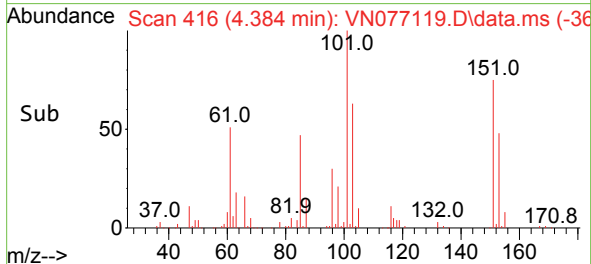
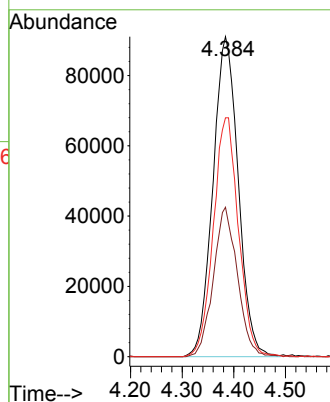
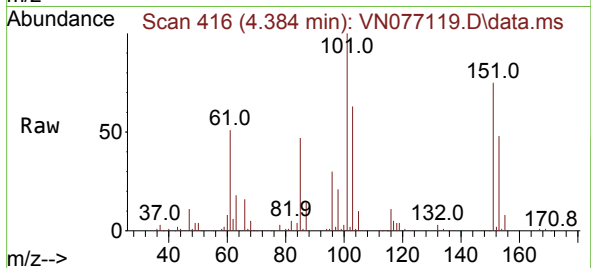




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.434 ug/l  
RT: 4.384 min Scan# 416  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

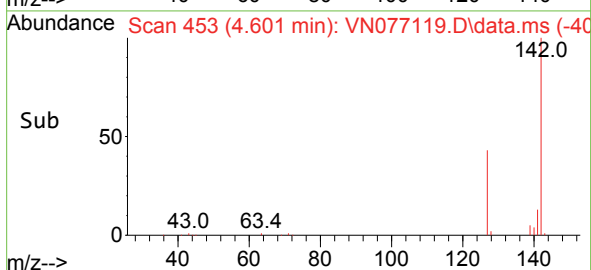
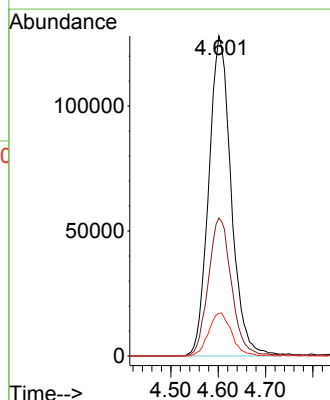
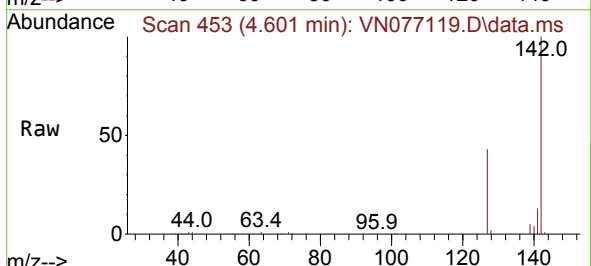
Instrument :  
MSVOA\_N  
ClientSampleId :

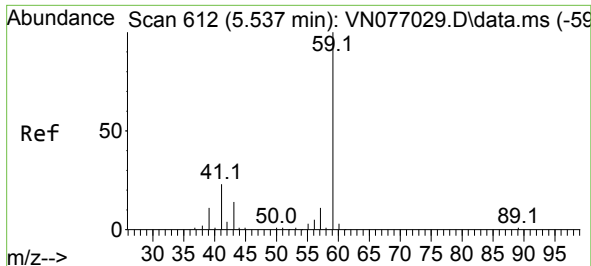
Tgt Ion:101 Resp: 309520  
Ion Ratio Lower Upper  
101 100  
85 44.4 36.6 55.0  
151 74.3 56.9 85.3



#10  
Methyl Iodide  
Concen: 54.893 ug/l  
RT: 4.601 min Scan# 453  
Delta R.T. -0.006 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion:142 Resp: 421192  
Ion Ratio Lower Upper  
142 100  
127 43.1 36.1 54.1  
141 13.3 10.8 16.2

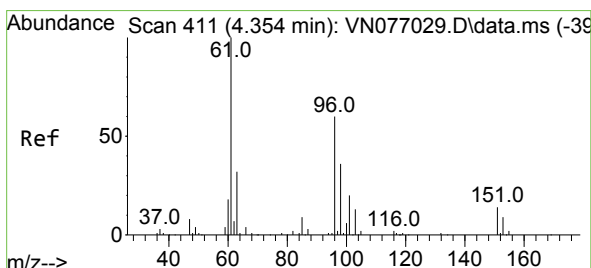
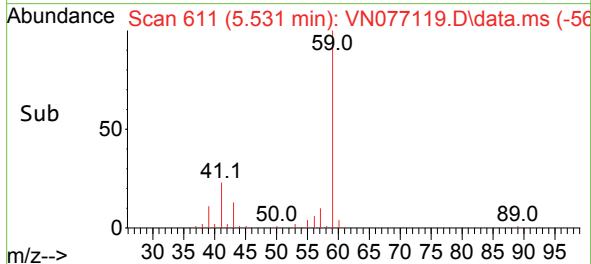
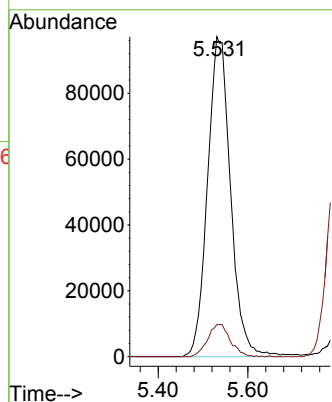
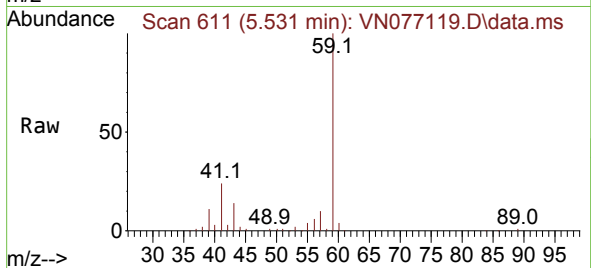




#11  
Tert butyl alcohol  
Concen: 289.299 ug/l  
RT: 5.531 min Scan# 611  
Delta R.T. -0.006 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

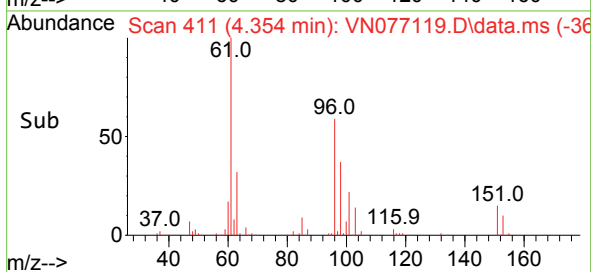
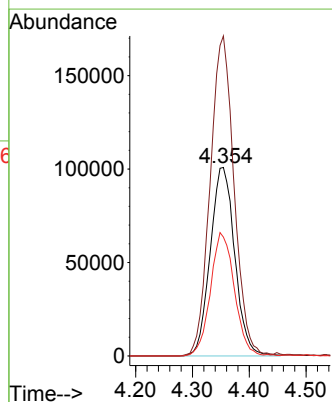
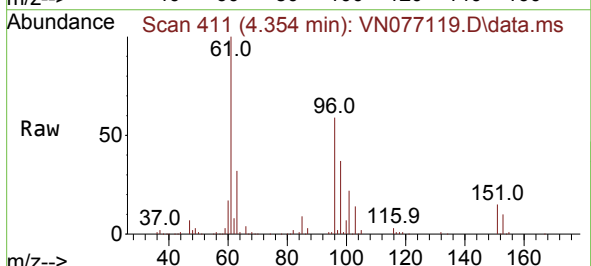
Instrument :  
MSVOA\_N  
ClientSampleId :

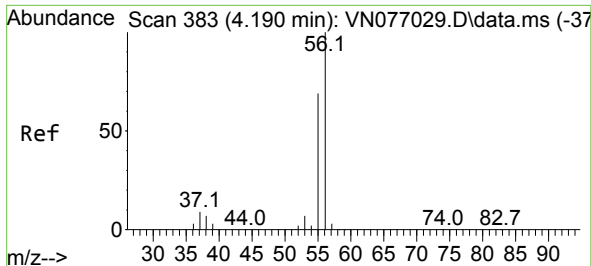
Tgt Ion: 59 Resp: 345649  
Ion Ratio Lower Upper  
59 100  
57 10.0 8.6 12.8



#12  
1,1-Dichloroethene  
Concen: 48.501 ug/l  
RT: 4.354 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 96 Resp: 302259  
Ion Ratio Lower Upper  
96 100  
61 169.8 133.8 200.8  
98 63.1 48.6 72.8

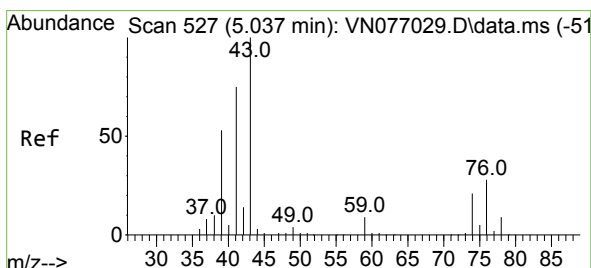
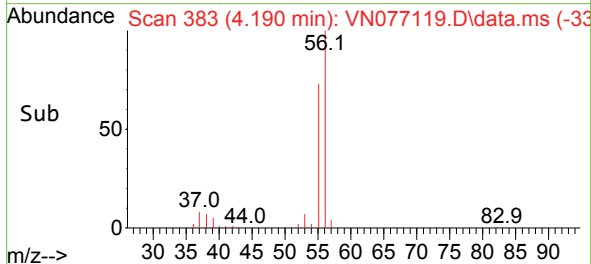
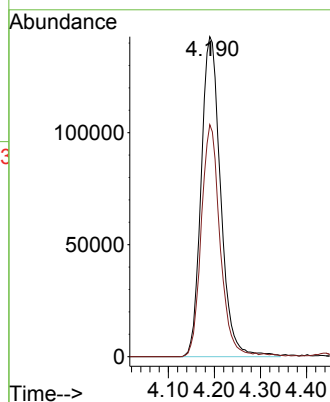
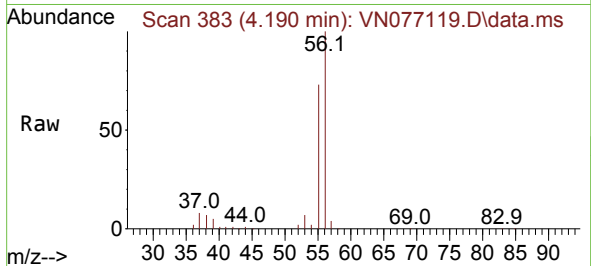




#13  
Acrolein  
Concen: 284.933 ug/l  
RT: 4.190 min Scan# 383  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

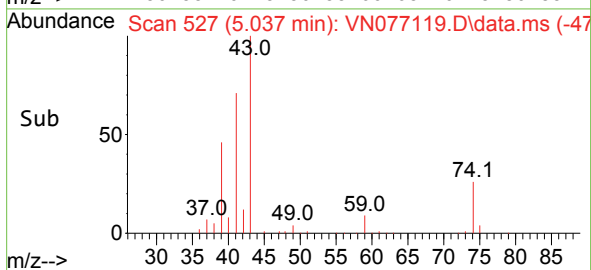
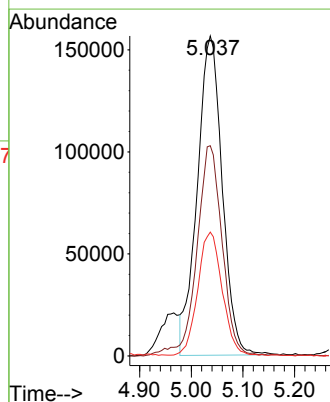
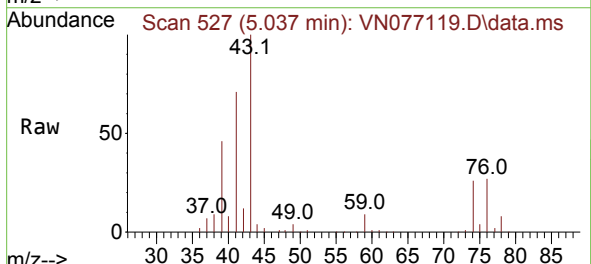
Instrument :  
MSVOA\_N  
ClientSampleId :

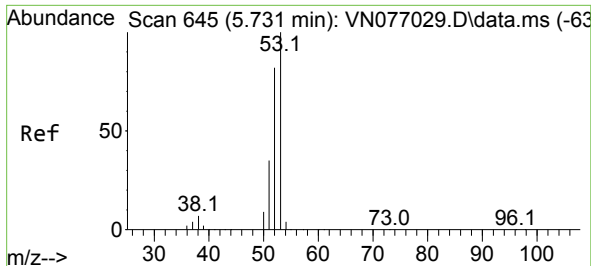
Tgt Ion: 56 Resp: 421066  
Ion Ratio Lower Upper  
56 100  
55 69.7 57.0 85.6



#14  
Allyl chloride  
Concen: 46.072 ug/l  
RT: 5.037 min Scan# 527  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

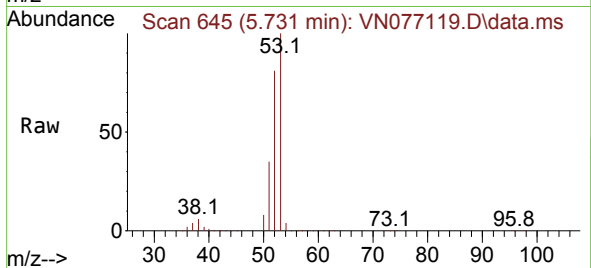
Tgt Ion: 41 Resp: 525639  
Ion Ratio Lower Upper  
41 100  
39 66.7 53.8 80.8  
76 37.6 26.7 40.1





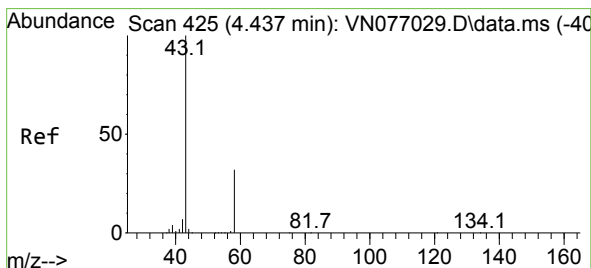
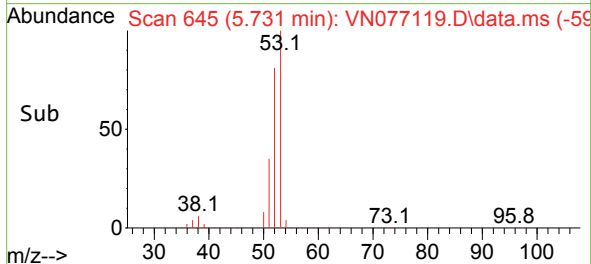
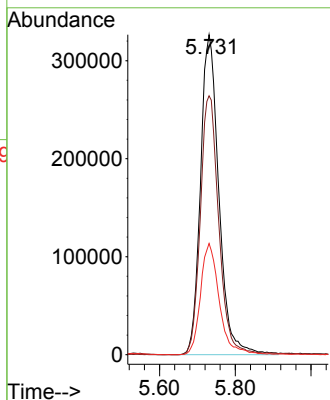
#15  
Acrylonitrile  
Concen: 273.703 ug/l  
RT: 5.731 min Scan# 645  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 53 Resp: 1099358

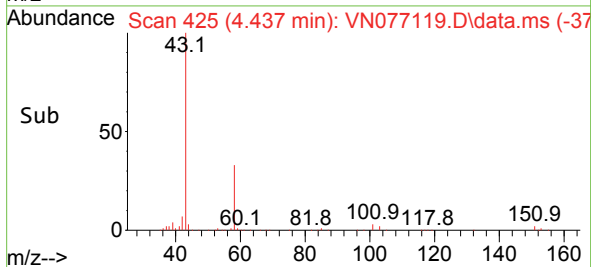
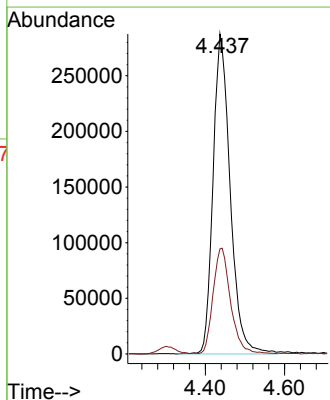
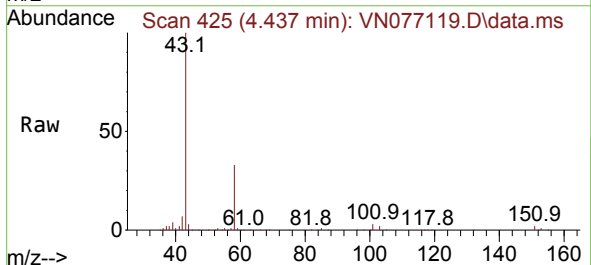
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 81.5  | 64.6  | 97.0  |
| 51  | 35.5  | 28.3  | 42.5  |

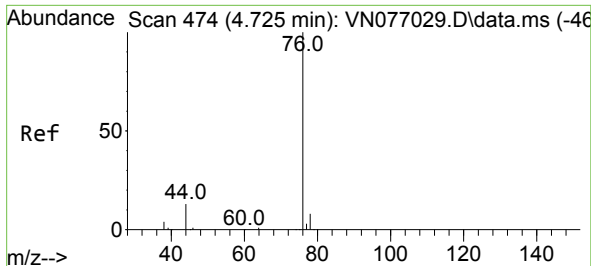


#16  
Acetone  
Concen: 236.473 ug/l  
RT: 4.437 min Scan# 425  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 43 Resp: 863934

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 32.6  | 25.4  | 38.0  |

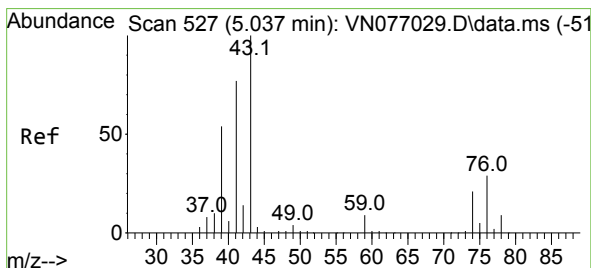
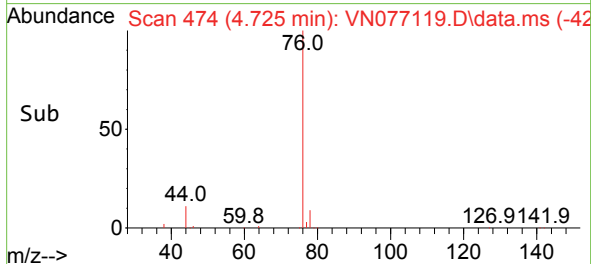
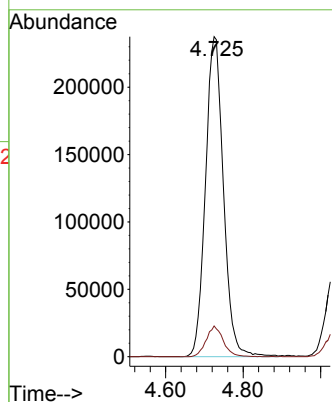
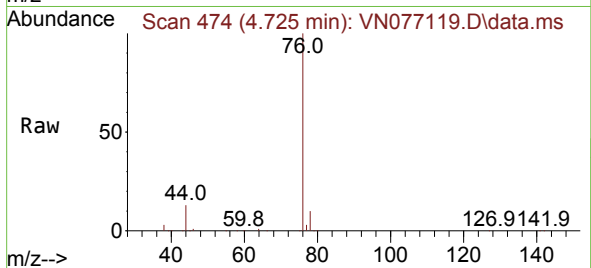




#17  
Carbon Disulfide  
Concen: 42.035 ug/l  
RT: 4.725 min Scan# 474  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

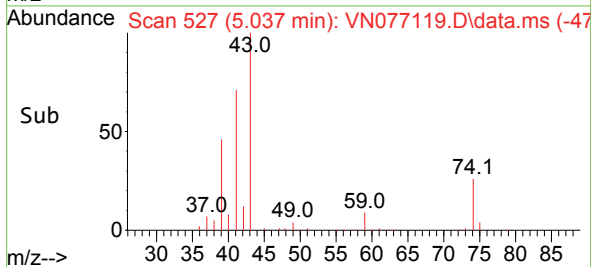
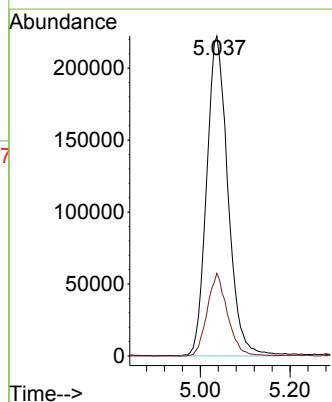
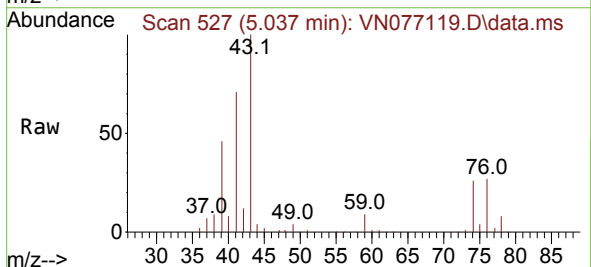
Instrument :  
MSVOA\_N  
ClientSampleId :

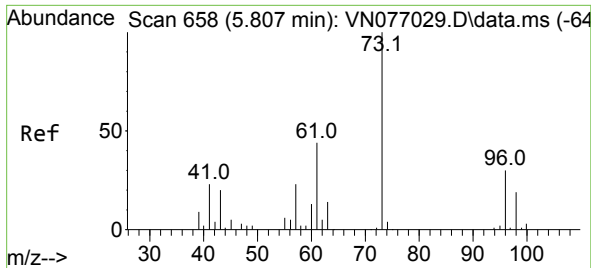
Tgt Ion: 76 Resp: 763862  
Ion Ratio Lower Upper  
76 100  
78 9.6 6.6 10.0



#18  
Methyl Acetate  
Concen: 53.107 ug/l  
RT: 5.037 min Scan# 527  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 43 Resp: 731640  
Ion Ratio Lower Upper  
43 100  
74 24.6 17.7 26.5

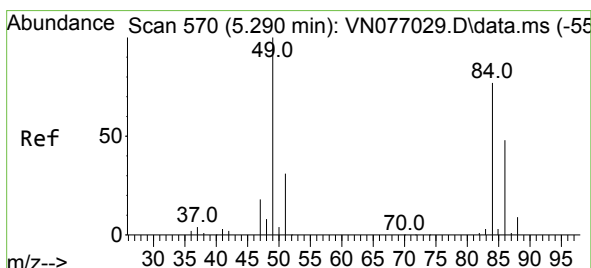
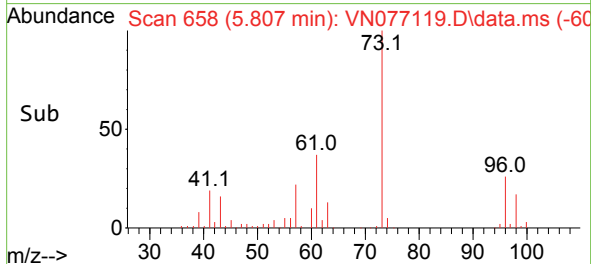
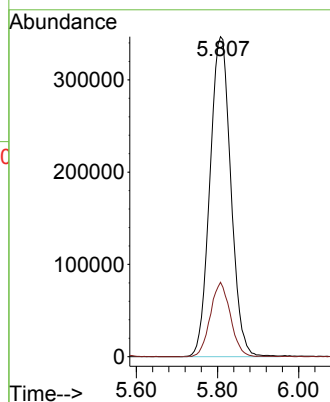
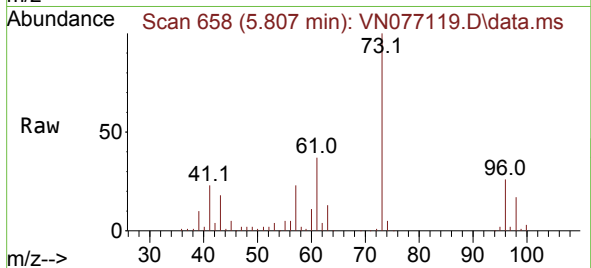




#19  
Methyl tert-butyl Ether  
Concen: 55.469 ug/l  
RT: 5.807 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

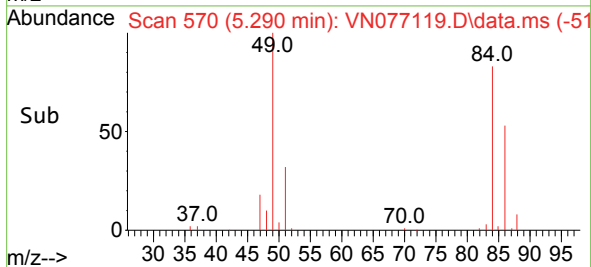
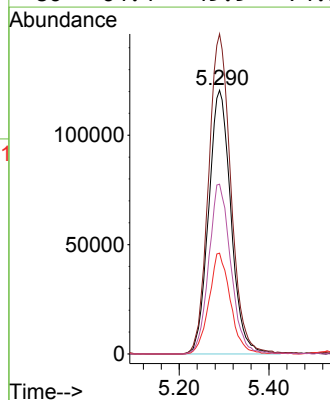
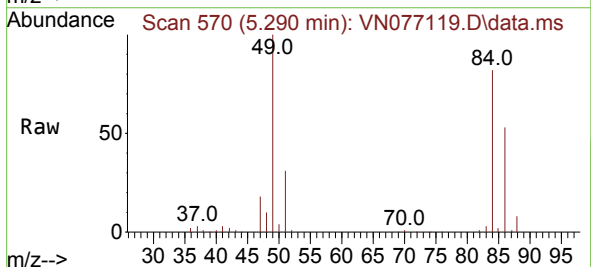
Instrument :  
MSVOA\_N  
ClientSampleId :

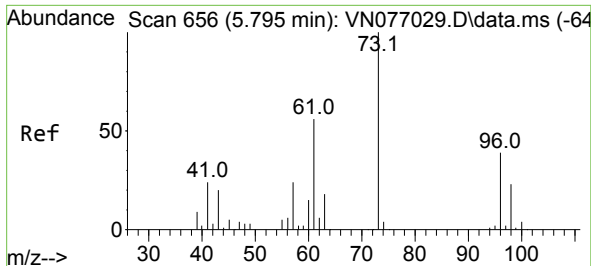
Tgt Ion: 73 Resp: 1240641  
Ion Ratio Lower Upper  
73 100  
57 23.3 18.7 28.1



#20  
Methylene Chloride  
Concen: 52.567 ug/l  
RT: 5.290 min Scan# 570  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 84 Resp: 416803  
Ion Ratio Lower Upper  
84 100  
49 121.3 103.8 155.6  
51 38.2 32.3 48.5  
86 64.4 49.9 74.9

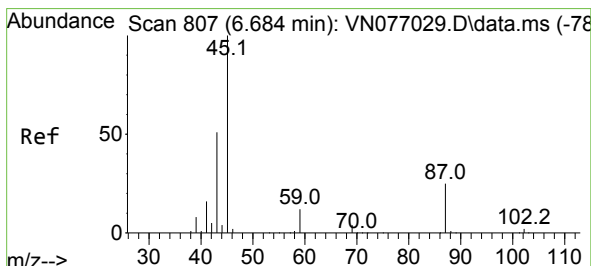
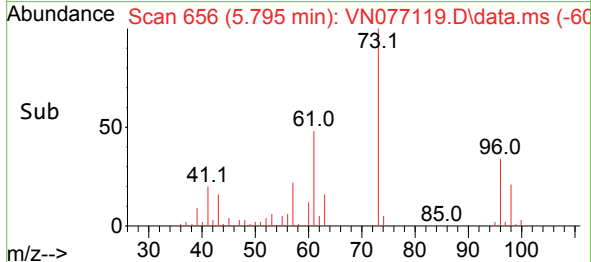
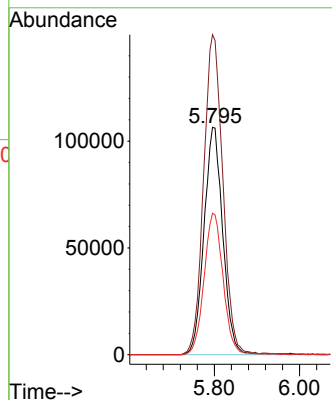
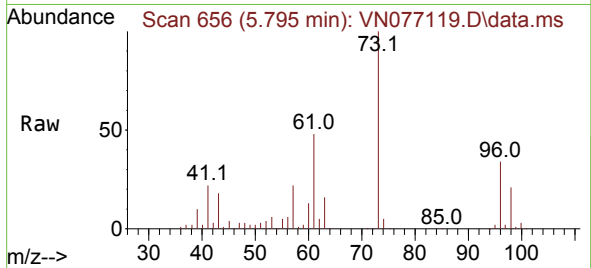




#21  
trans-1,2-Dichloroethene  
Concen: 48.228 ug/l  
RT: 5.795 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

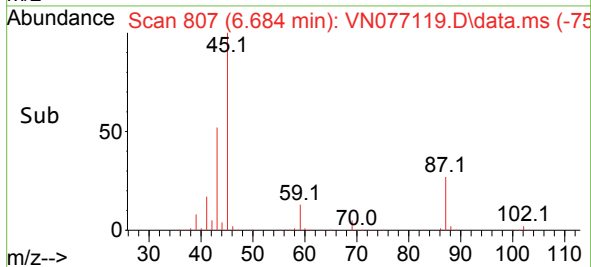
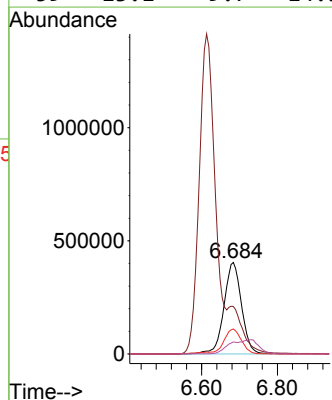
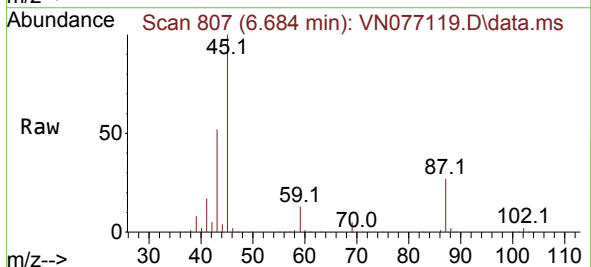
Instrument :  
MSVOA\_N  
ClientSampleId :

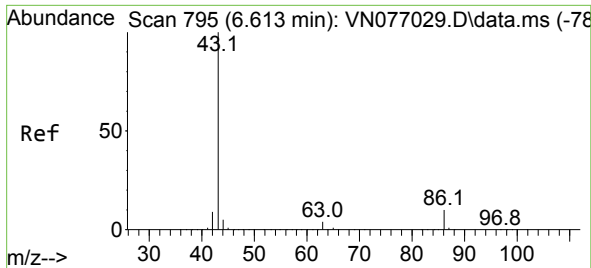
Tgt Ion: 96 Resp: 325768  
Ion Ratio Lower Upper  
96 100  
61 140.8 115.8 173.6  
98 62.2 48.2 72.2



#22  
Diisopropyl ether  
Concen: 52.173 ug/l  
RT: 6.684 min Scan# 807  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 45 Resp: 1304174  
Ion Ratio Lower Upper  
45 100  
43 51.8 41.5 62.3  
87 27.2 20.6 30.8  
59 13.1 9.7 14.5

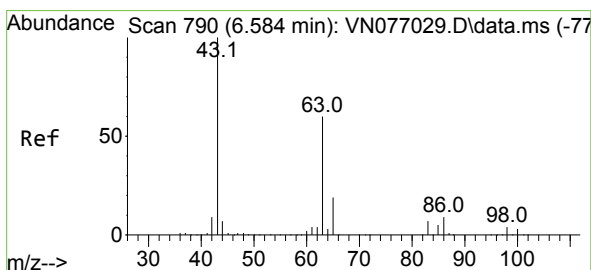
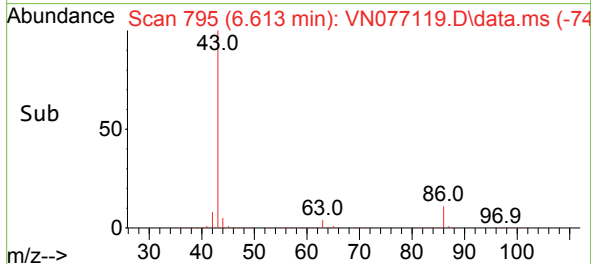
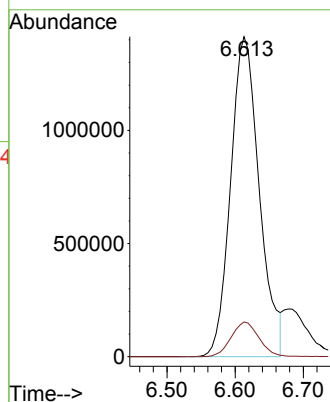
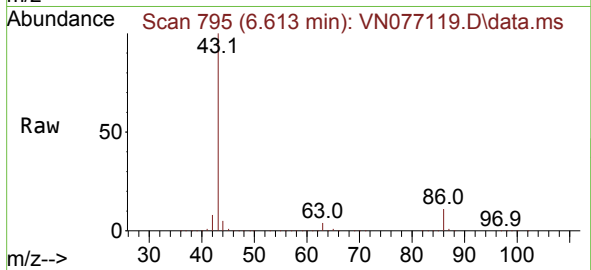




#23  
 Vinyl Acetate  
 Concen: 262.499 ug/l  
 RT: 6.613 min Scan# 795  
 Delta R.T. 0.000 min  
 Lab File: VN077119.D  
 Acq: 22 Mar 2023 20:53

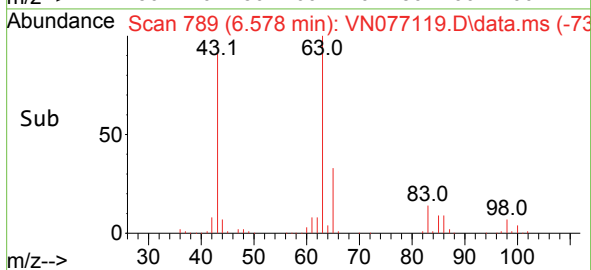
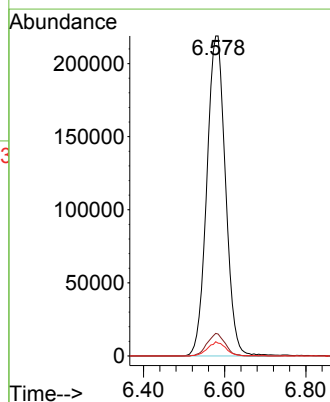
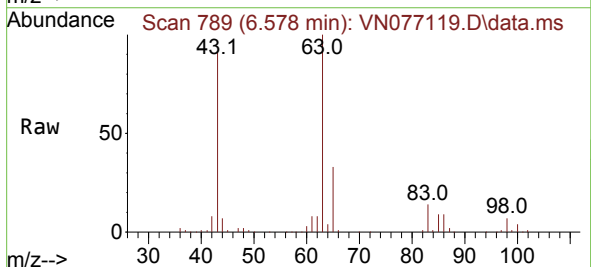
Instrument :  
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 ClientSampleId :

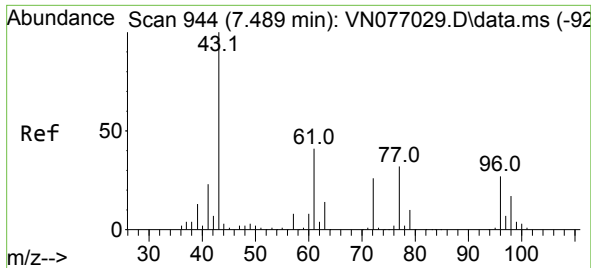
Tgt Ion: 43 Resp: 4140672  
 Ion Ratio Lower Upper  
 43 100  
 86 10.9 8.0 12.0



#24  
 1,1-Dichloroethane  
 Concen: 48.725 ug/l  
 RT: 6.578 min Scan# 789  
 Delta R.T. -0.006 min  
 Lab File: VN077119.D  
 Acq: 22 Mar 2023 20:53

Tgt Ion: 63 Resp: 696965  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.1 9.4  
 100 4.4 2.1 6.3

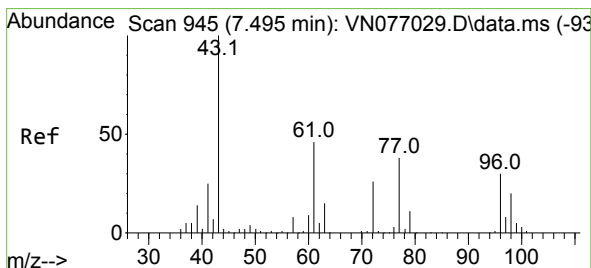
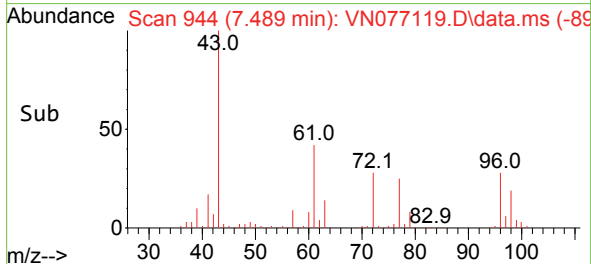
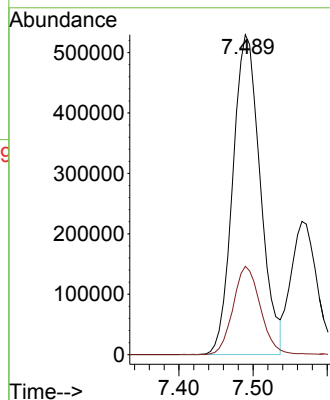
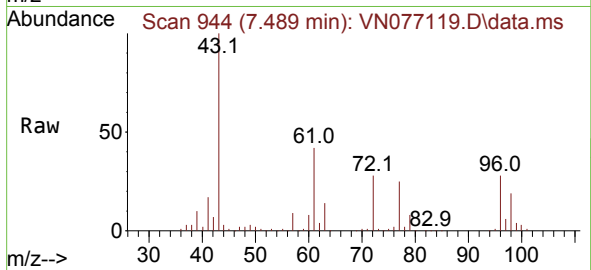




#25  
2-Butanone  
Concen: 255.068 ug/l  
RT: 7.489 min Scan# 944  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

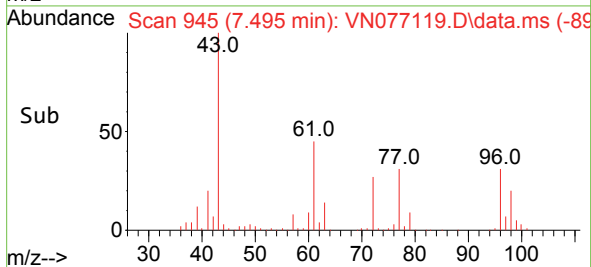
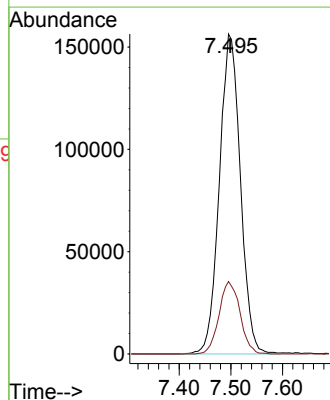
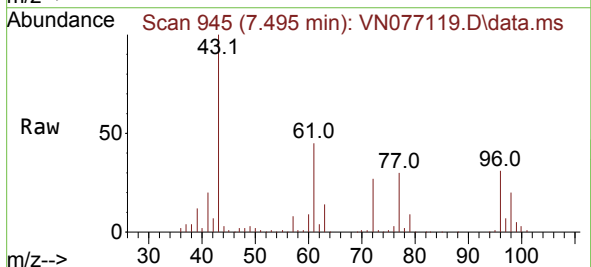
Instrument :  
MSVOA\_N  
ClientSampleId :

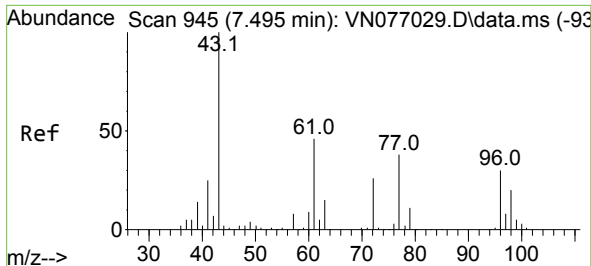
Tgt Ion: 43 Resp: 1363191  
Ion Ratio Lower Upper  
43 100  
72 27.6 20.7 31.1



#26  
2,2-Dichloropropane  
Concen: 40.997 ug/l  
RT: 7.495 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 77 Resp: 441241  
Ion Ratio Lower Upper  
77 100  
97 22.6 10.9 32.9

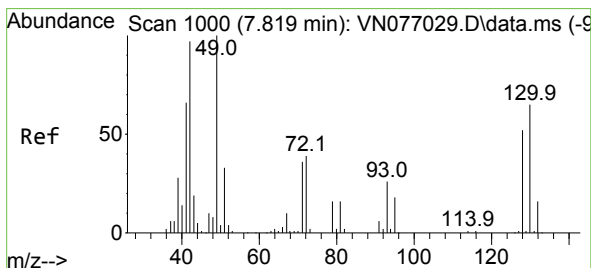
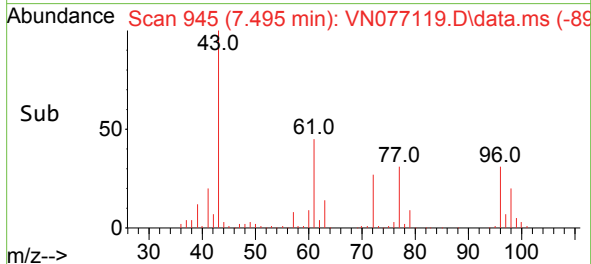
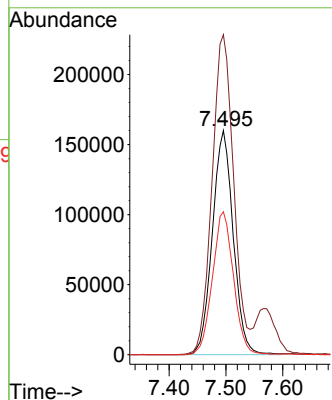
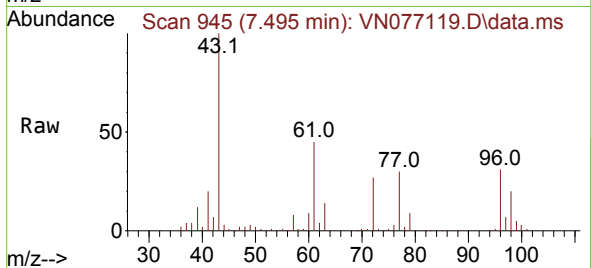




#27  
cis-1,2-Dichloroethene  
Concen: 52.797 ug/l  
RT: 7.495 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

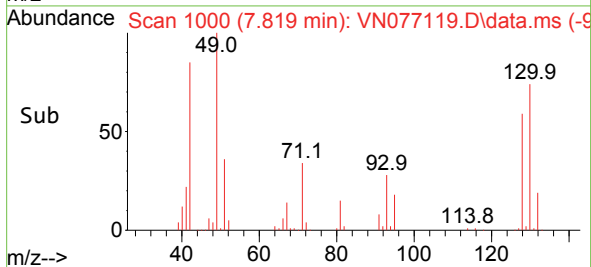
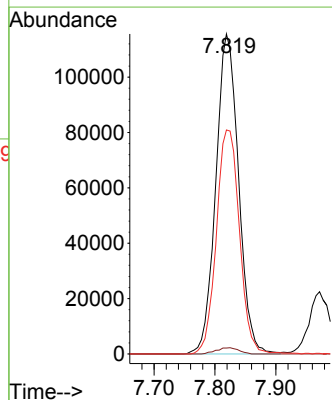
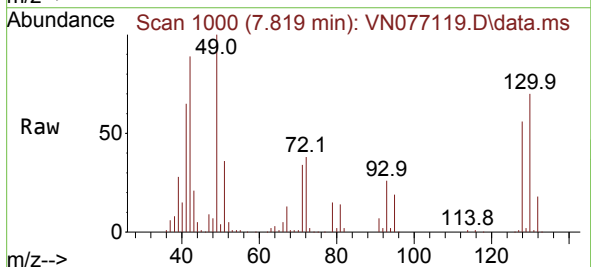
Instrument :  
MSVOA\_N  
ClientSampleId :

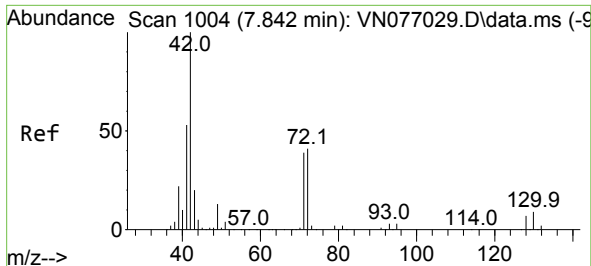
Tgt Ion: 96 Resp: 408451  
Ion Ratio Lower Upper  
96 100  
61 147.6 0.0 315.4  
98 64.4 0.0 128.6



#28  
Bromochloromethane  
Concen: 48.247 ug/l  
RT: 7.819 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 49 Resp: 299703  
Ion Ratio Lower Upper  
49 100  
129 1.9 0.0 3.2  
130 71.1 51.9 77.9





#29

Tetrahydrofuran

Concen: 265.527 ug/l

RT: 7.842 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

Instrument :

MSVOA\_N

ClientSampleId :

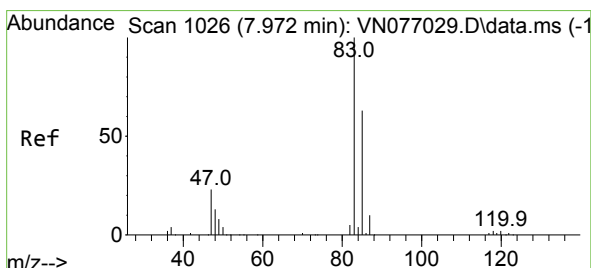
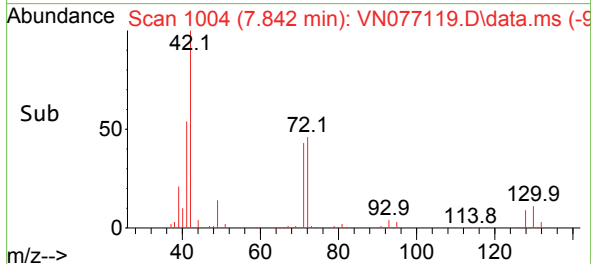
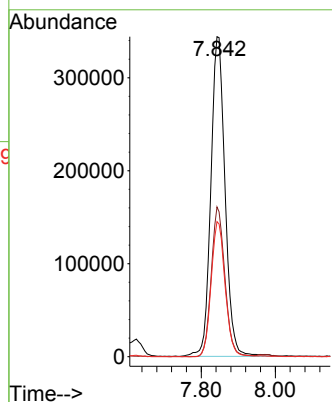
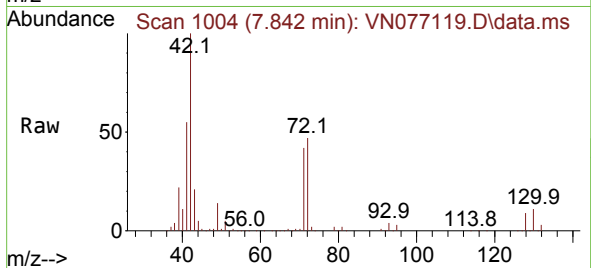
Tgt Ion: 42 Resp: 919579

Ion Ratio Lower Upper

42 100

72 44.8 33.2 49.8

71 41.3 31.0 46.4



#30

Chloroform

Concen: 49.601 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077119.D

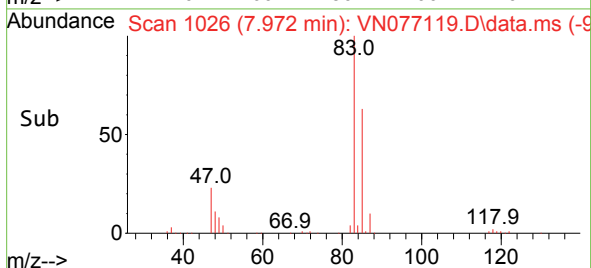
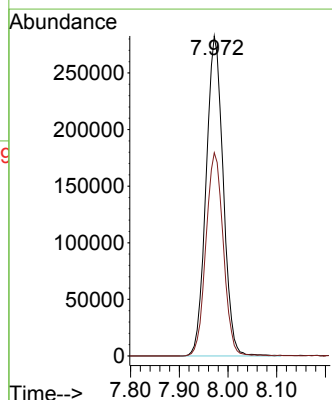
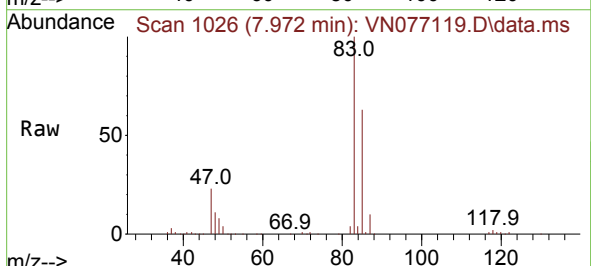
Acq: 22 Mar 2023 20:53

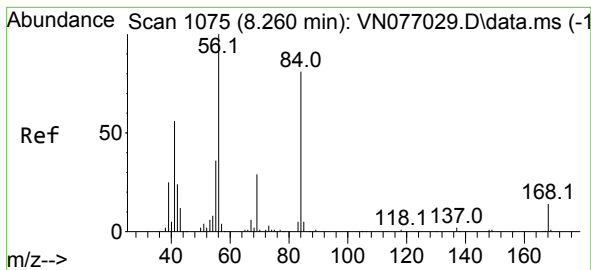
Tgt Ion: 83 Resp: 688619

Ion Ratio Lower Upper

83 100

85 63.5 50.6 75.8





#31

Cyclohexane

Concen: 39.339 ug/l

RT: 8.266 min Scan# 1075

Delta R.T. 0.006 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

Instrument :

MSVOA\_N

ClientSampleId :

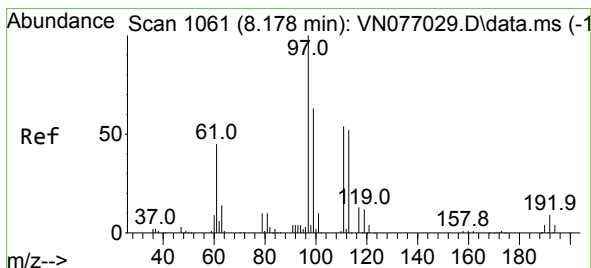
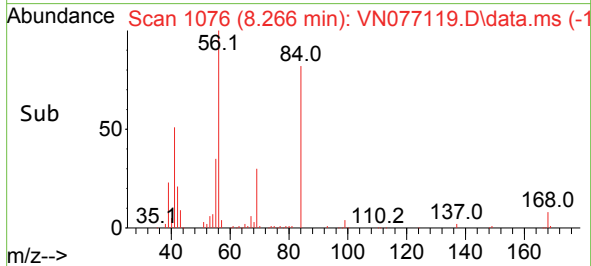
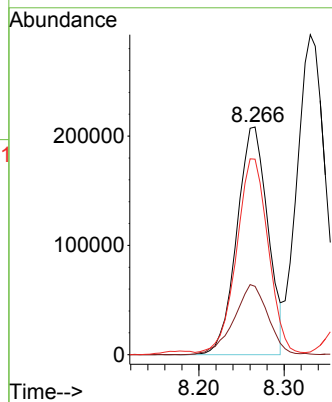
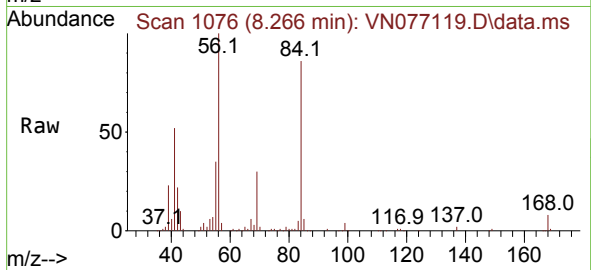
Tgt Ion: 56 Resp: 527738

Ion Ratio Lower Upper

56 100

69 30.0 22.8 34.2

84 84.2 64.7 97.1



#32

1,1,1-Trichloroethane

Concen: 45.153 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. -0.000 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

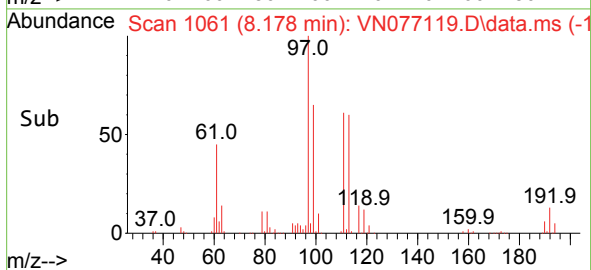
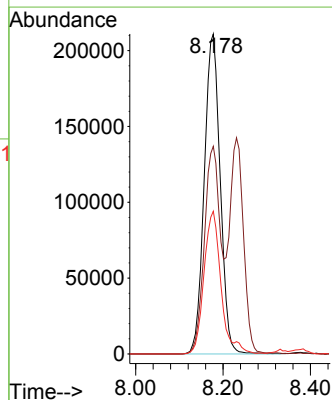
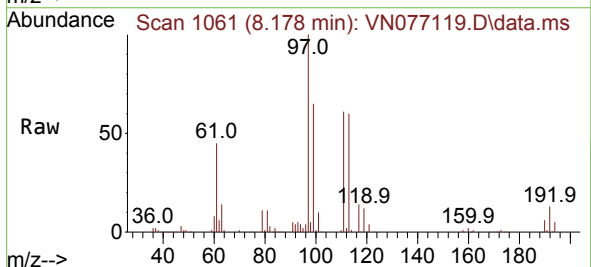
Tgt Ion: 97 Resp: 535778

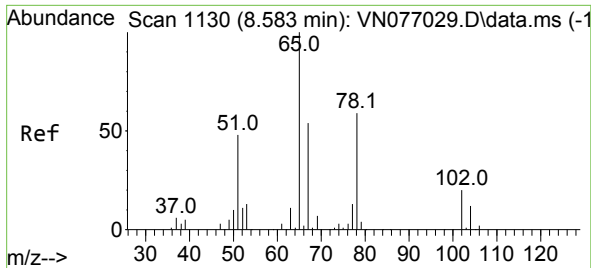
Ion Ratio Lower Upper

97 100

99 64.0 50.2 75.2

61 47.7 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 51.012 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

Instrument :

MSVOA\_N

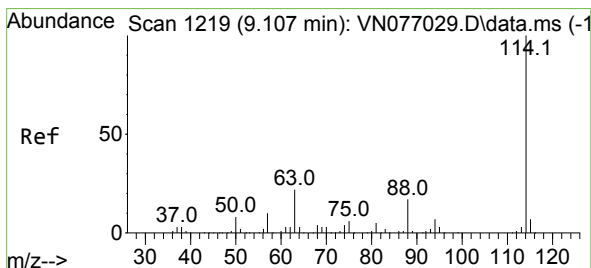
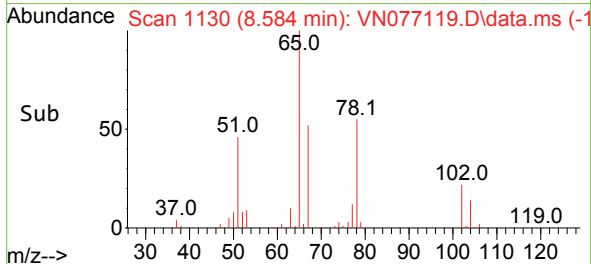
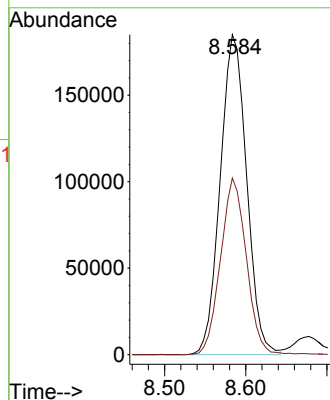
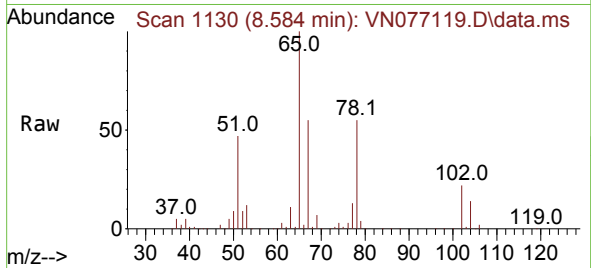
ClientSampleId :

Tgt Ion: 65 Resp: 418265

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

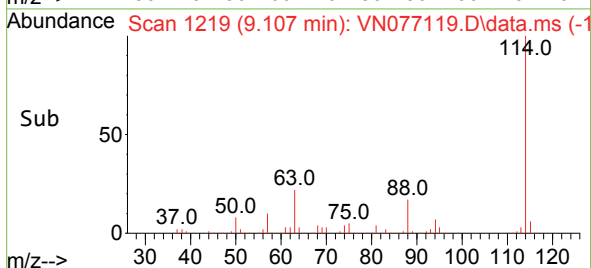
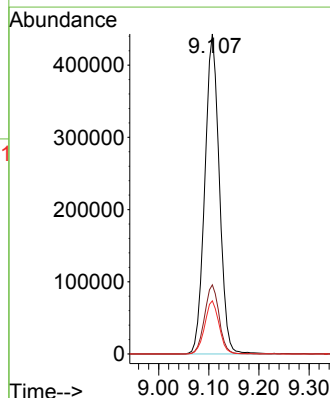
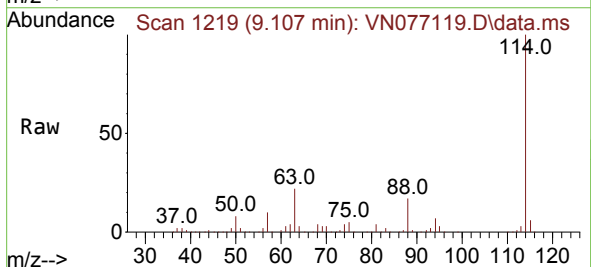
Tgt Ion: 114 Resp: 890845

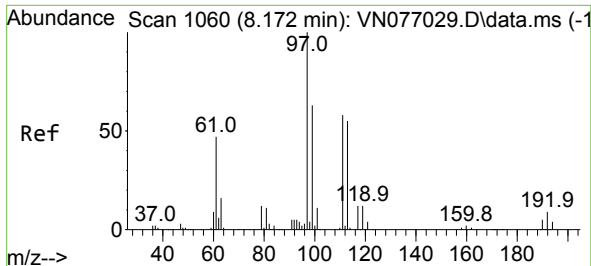
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.6

88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.718 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. 0.000 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

Instrument :

MSVOA\_N

ClientSampleId :

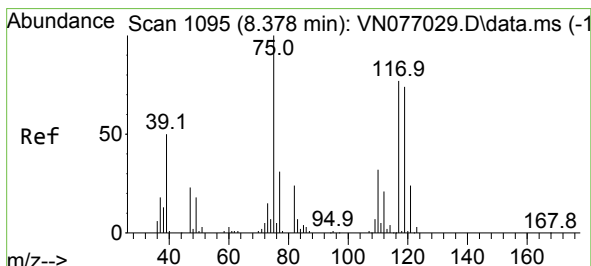
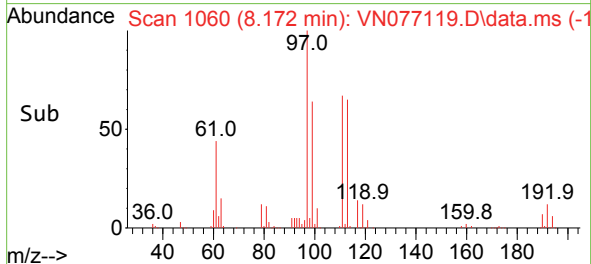
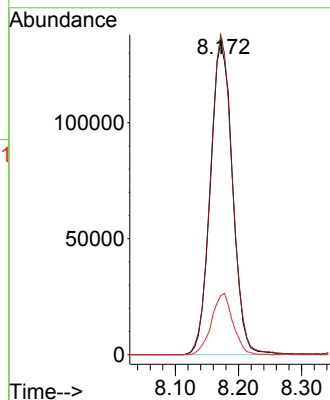
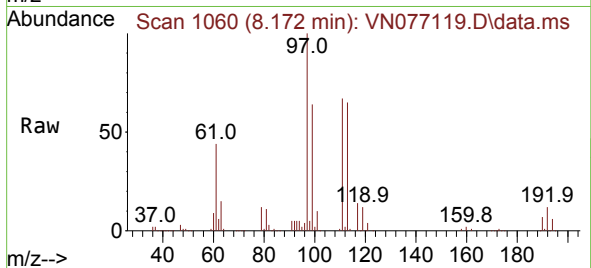
Tgt Ion:113 Resp: 328891

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

192 18.9 13.0 19.6



#36

1,1-Dichloropropene

Concen: 47.055 ug/l

RT: 8.378 min Scan# 1095

Delta R.T. 0.000 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

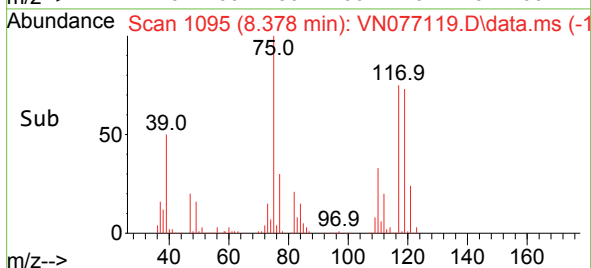
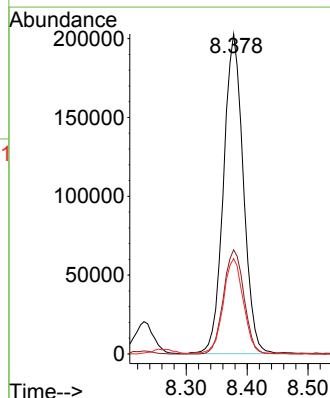
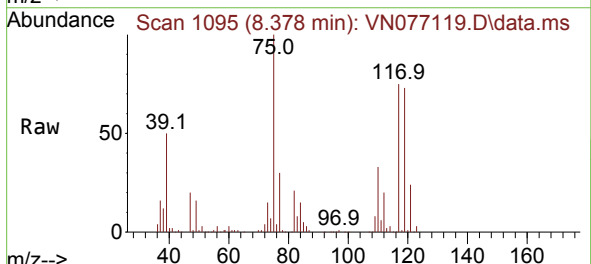
Tgt Ion: 75 Resp: 458521

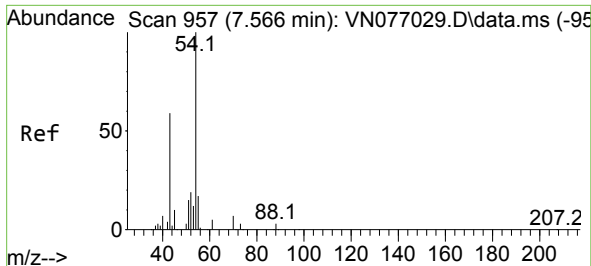
Ion Ratio Lower Upper

75 100

110 33.6 15.9 47.7

77 30.2 24.3 36.5

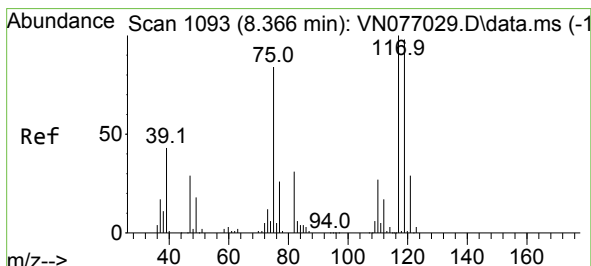
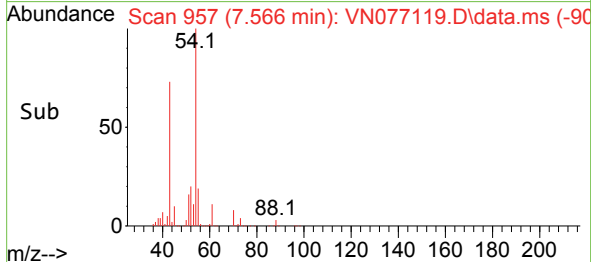
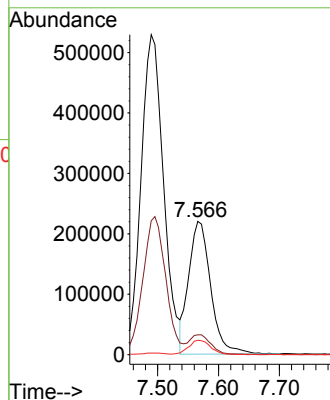
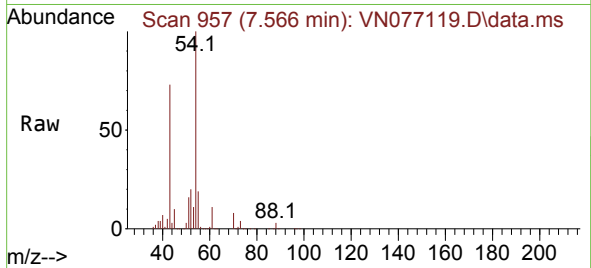




#37  
Ethyl Acetate  
Concen: 53.078 ug/l  
RT: 7.566 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

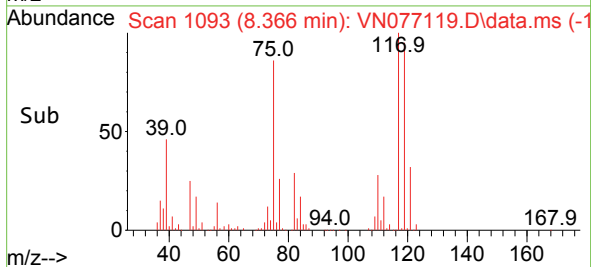
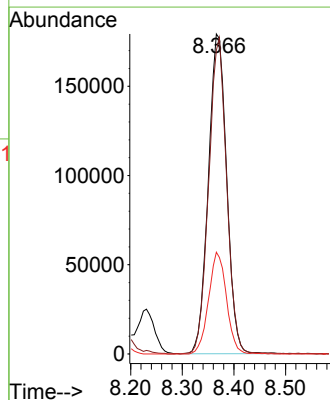
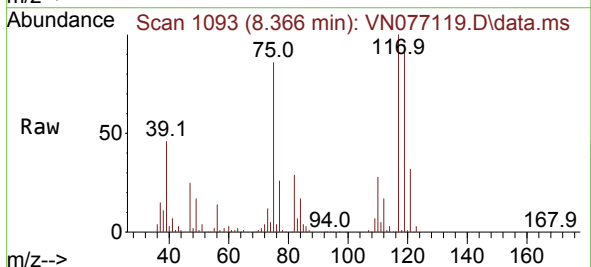
Instrument :  
MSVOA\_N  
ClientSampleId :

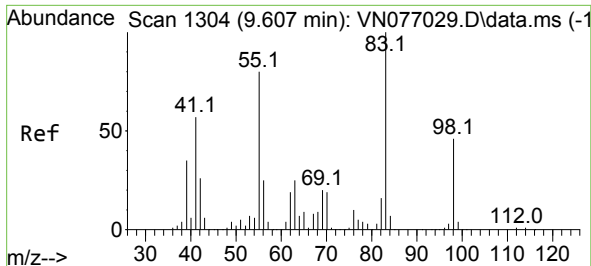
Tgt Ion: 43 Resp: 553378  
Ion Ratio Lower Upper  
43 100  
61 14.7 11.0 16.6  
70 11.0 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 46.534 ug/l  
RT: 8.366 min Scan# 1093  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 117 Resp: 441669  
Ion Ratio Lower Upper  
117 100  
119 95.0 78.2 117.2  
121 31.8 23.2 34.8

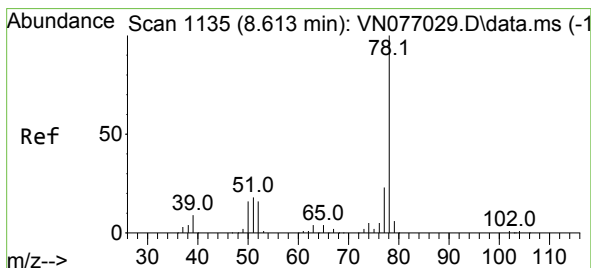
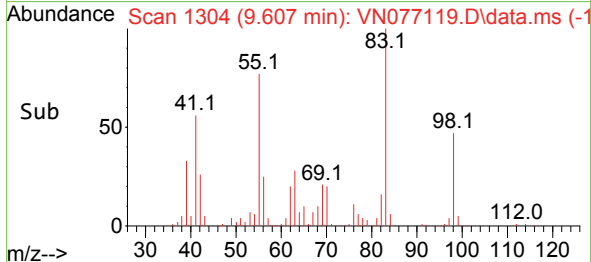
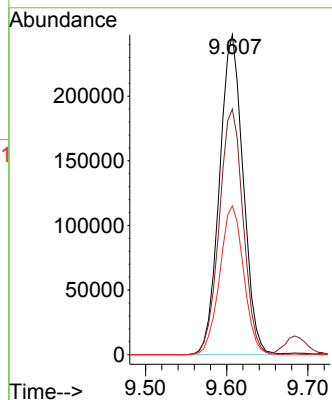
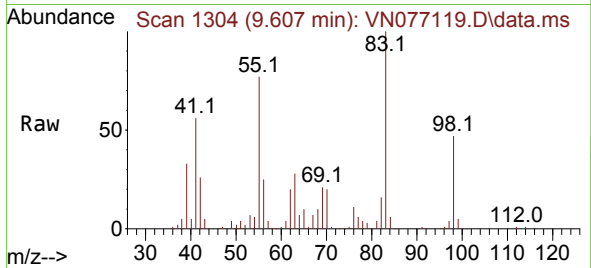




#39  
Methylcyclohexane  
Concen: 44.004 ug/l  
RT: 9.607 min Scan# 1134  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

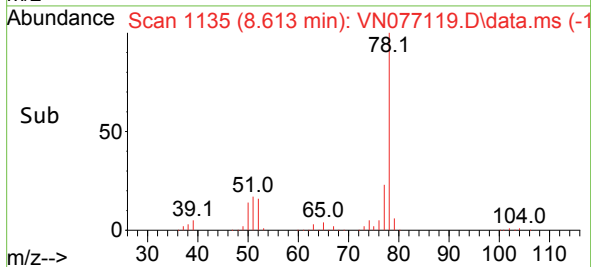
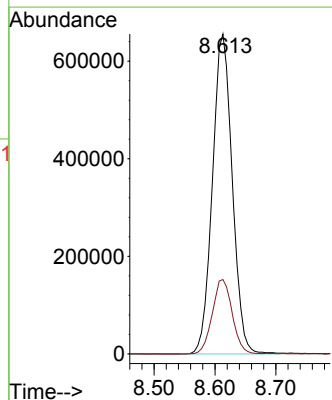
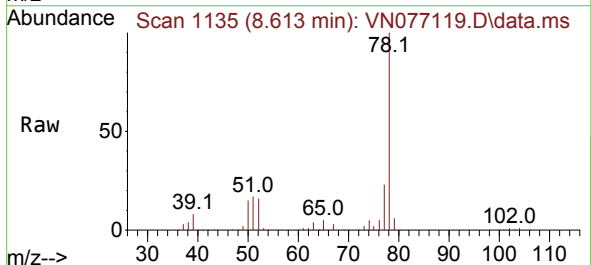
Instrument :  
MSVOA\_N  
ClientSampleId :

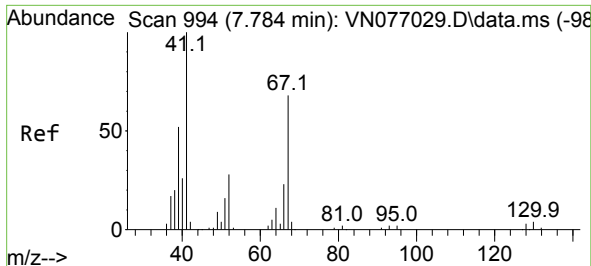
Tgt Ion: 83 Resp: 501893  
Ion Ratio Lower Upper  
83 100  
55 76.8 63.8 95.8  
98 46.5 37.1 55.7



#40  
Benzene  
Concen: 50.165 ug/l  
RT: 8.613 min Scan# 1135  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 78 Resp: 1482480  
Ion Ratio Lower Upper  
78 100  
77 23.3 18.5 27.7



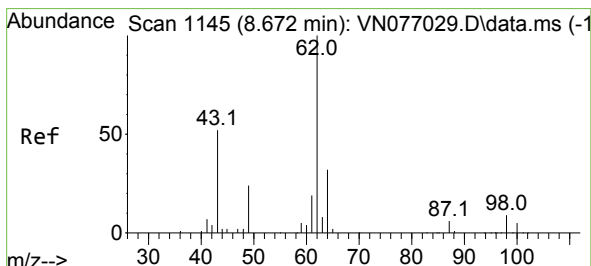
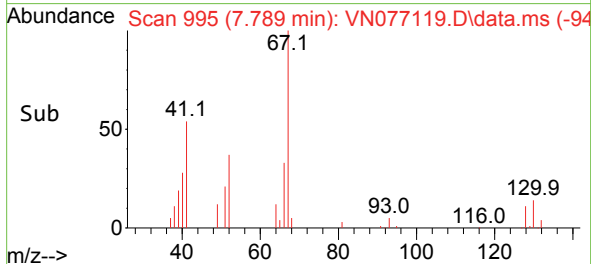
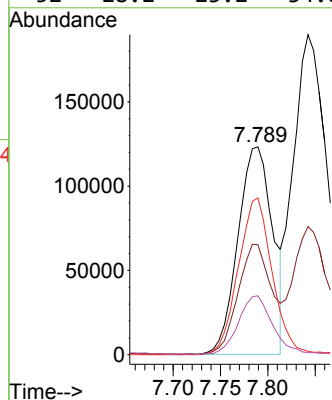
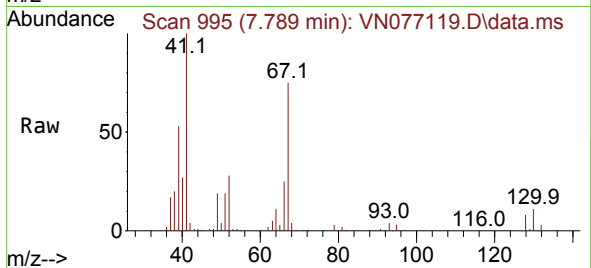


#41  
Methacrylonitrile  
Concen: 55.971 ug/l  
RT: 7.789 min Scan# 995  
Delta R.T. 0.006 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 41 Resp: 314363

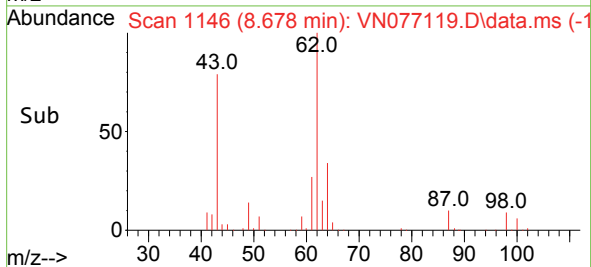
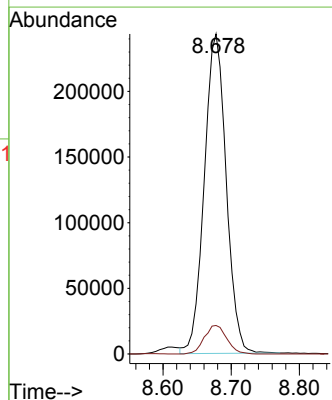
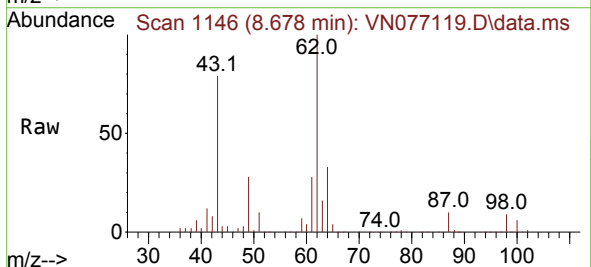
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 51.8  | 41.6  | 62.4  |
| 67  | 74.1  | 53.8  | 80.8  |
| 52  | 28.2  | 23.2  | 34.8  |

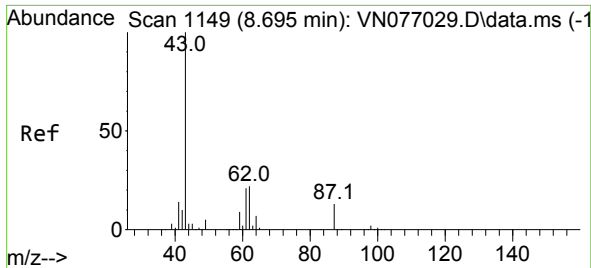


#42  
1,2-Dichloroethane  
Concen: 51.031 ug/l  
RT: 8.678 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 62 Resp: 544953

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.1   | 0.0   | 17.4  |

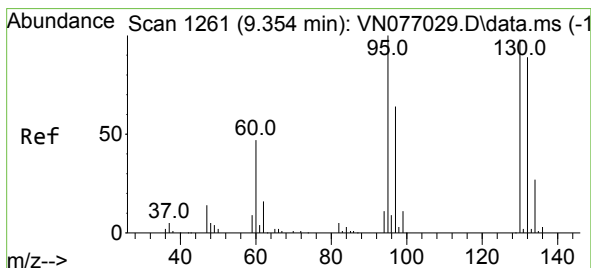
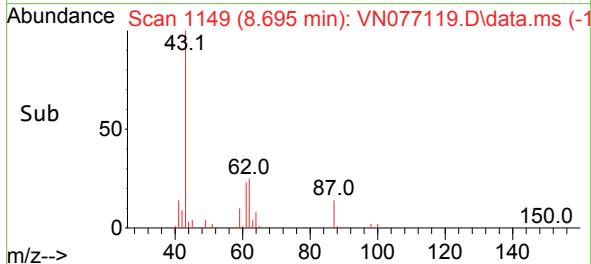
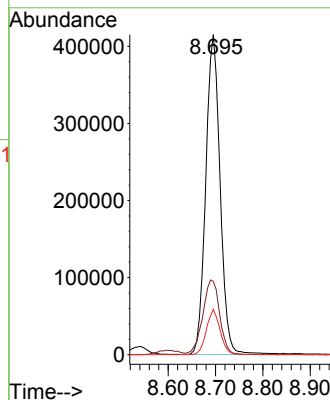
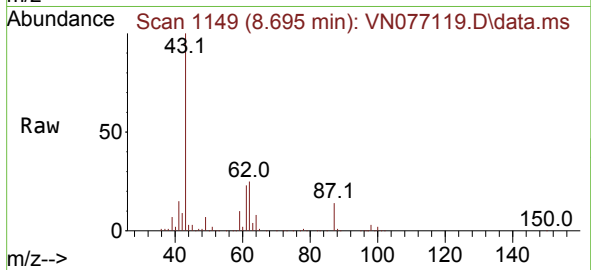




#43  
Isopropyl Acetate  
Concen: 53.603 ug/l  
RT: 8.695 min Scan# 1149  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

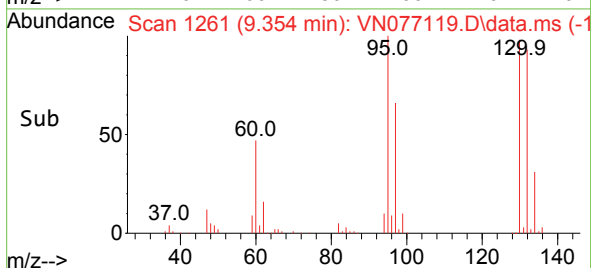
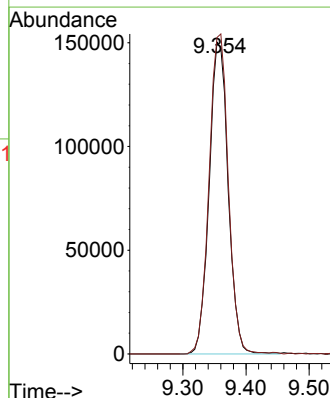
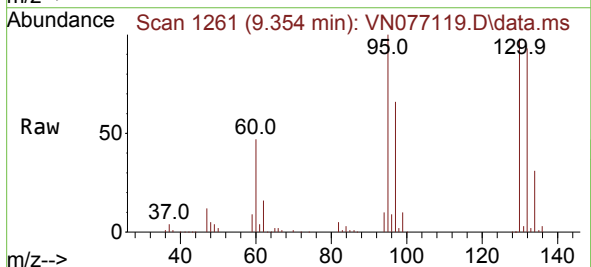
Instrument :  
MSVOA\_N  
ClientSampleId :

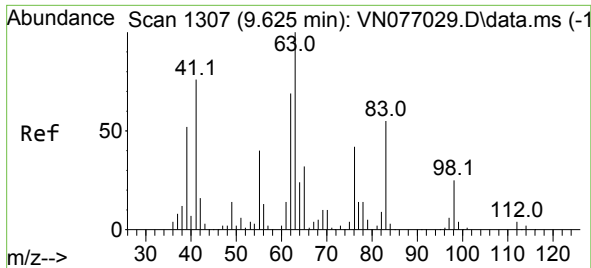
Tgt Ion: 43 Resp: 873012  
Ion Ratio Lower Upper  
43 100  
61 27.4 20.6 30.8  
87 13.4 10.0 15.0



#44  
Trichloroethene  
Concen: 46.262 ug/l  
RT: 9.354 min Scan# 1261  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion:130 Resp: 314031  
Ion Ratio Lower Upper  
130 100  
95 101.5 0.0 204.4

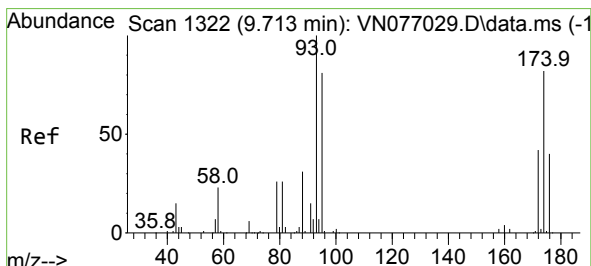
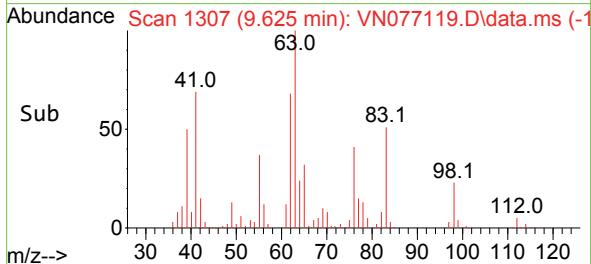
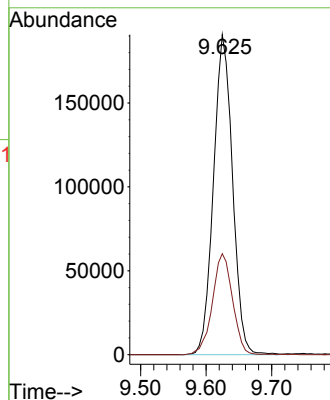
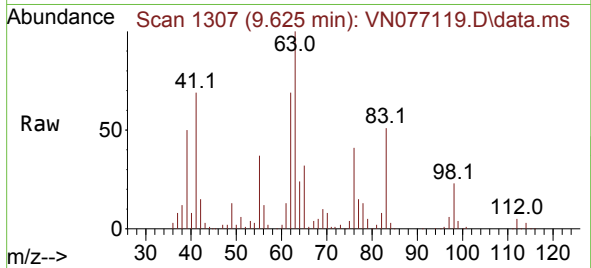




#45  
1,2-Dichloropropane  
Concen: 48.990 ug/l  
RT: 9.625 min Scan# 1307  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

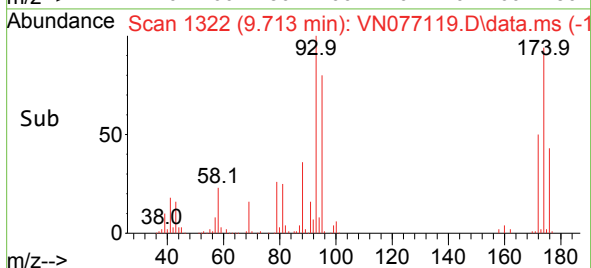
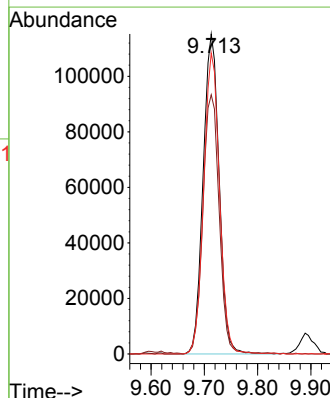
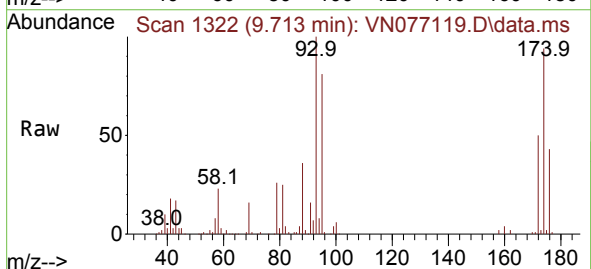
Instrument :  
MSVOA\_N  
ClientSampleId :

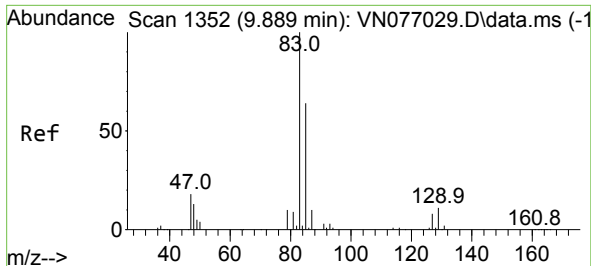
Tgt Ion: 63 Resp: 384516  
Ion Ratio Lower Upper  
63 100  
65 31.6 25.5 38.3



#46  
Dibromomethane  
Concen: 48.725 ug/l  
RT: 9.713 min Scan# 1322  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

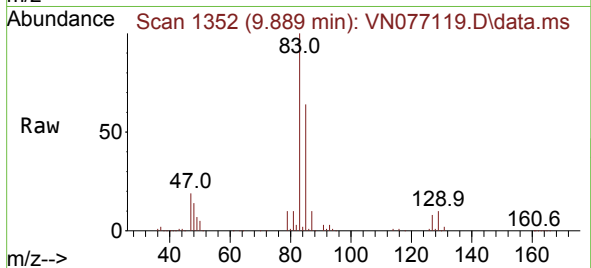
Tgt Ion: 93 Resp: 241195  
Ion Ratio Lower Upper  
93 100  
95 82.0 65.7 98.5  
174 92.8 66.4 99.6



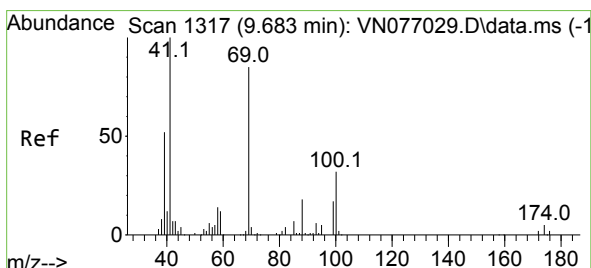
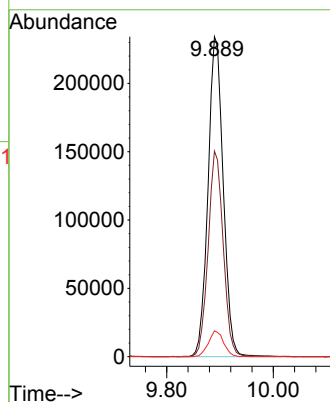
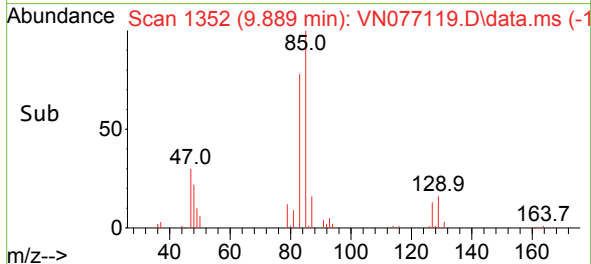


#47  
Bromodichloromethane  
Concen: 44.825 ug/l  
RT: 9.889 min Scan# 1352  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

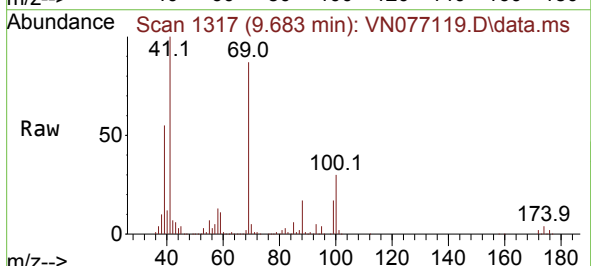
Instrument :  
MSVOA\_N  
ClientSampleId :



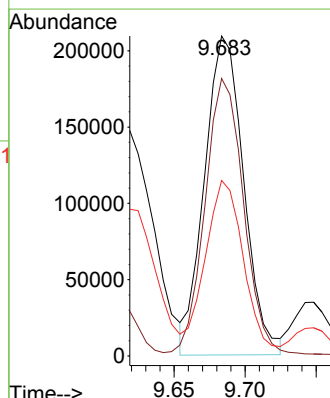
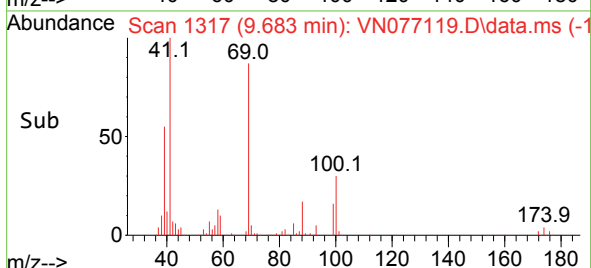
Tgt Ion: 83 Resp: 465369  
Ion Ratio Lower Upper  
83 100  
85 64.3 51.0 76.4  
127 8.1 6.1 9.1

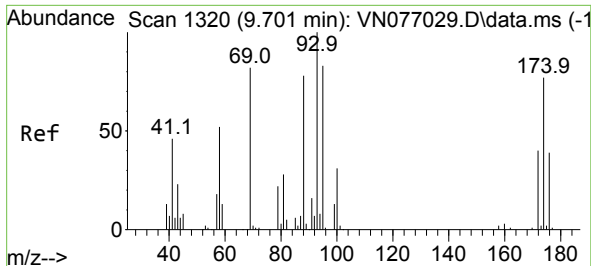


#48  
Methyl methacrylate  
Concen: 51.539 ug/l  
RT: 9.683 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53



Tgt Ion: 41 Resp: 401290  
Ion Ratio Lower Upper  
41 100  
69 86.2 64.3 96.5  
39 54.4 43.2 64.8





#49

1,4-Dioxane

Concen: 1120.053 ug/l

RT: 9.695 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

Instrument :

MSVOA\_N

ClientSampleId :

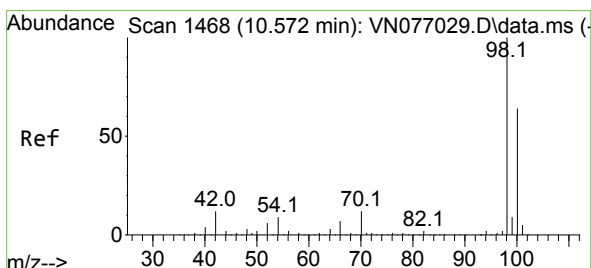
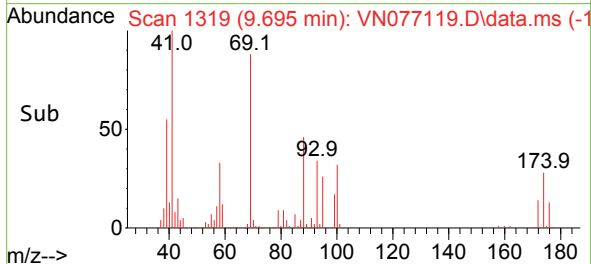
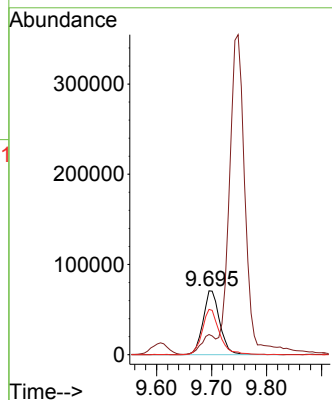
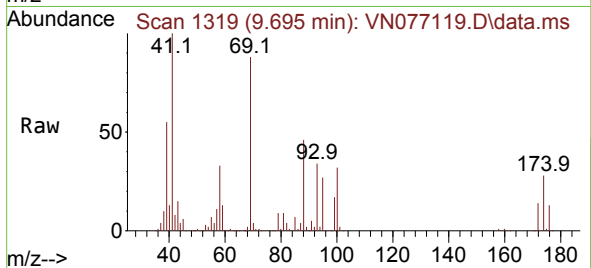
Tgt Ion: 88 Resp: 148951

Ion Ratio Lower Upper

88 100

43 25.9 22.2 33.2

58 73.7 60.8 91.2



#50

Toluene-d8

Concen: 26.493 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VN077119.D

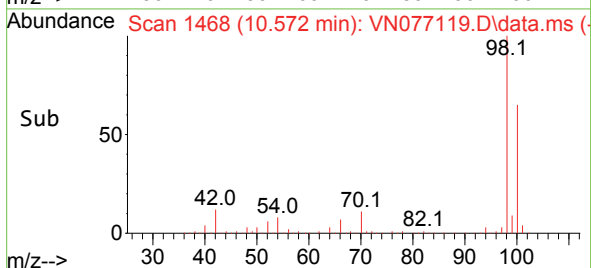
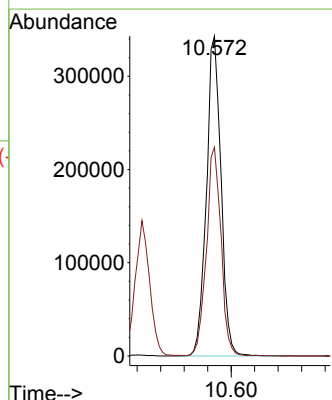
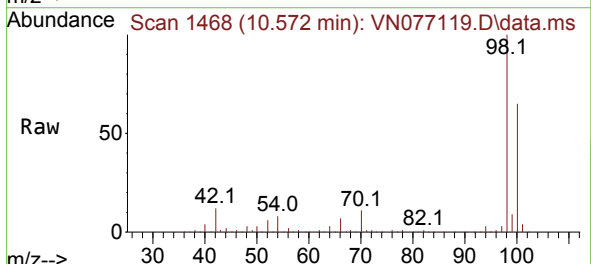
Acq: 22 Mar 2023 20:53

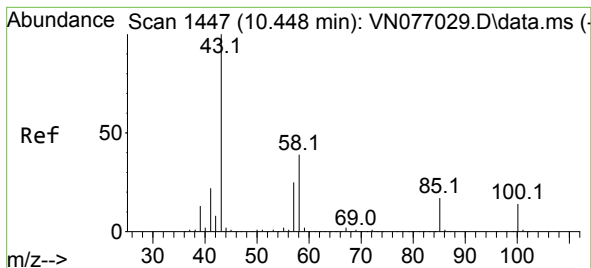
Tgt Ion: 98 Resp: 590411

Ion Ratio Lower Upper

98 100

100 65.4 51.6 77.4

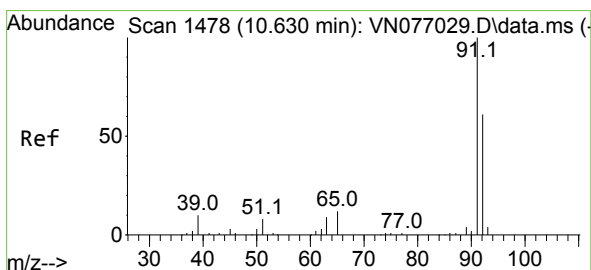
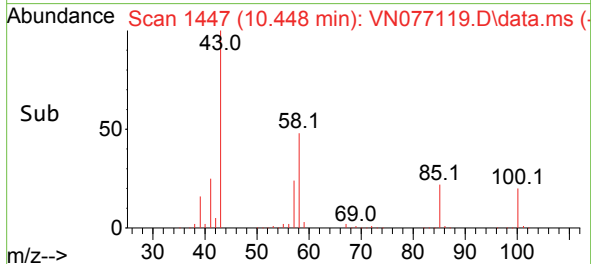
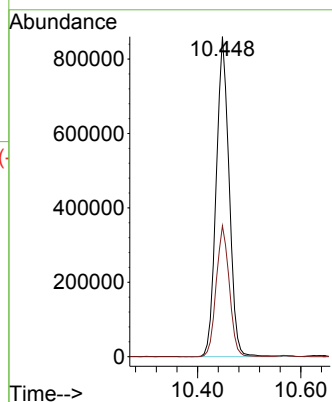
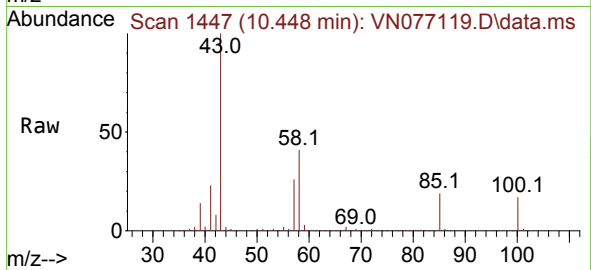




#51  
4-Methyl-2-Pentanone  
Concen: 147.257 ug/l  
RT: 10.448 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

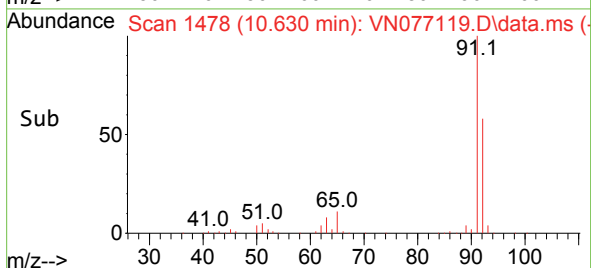
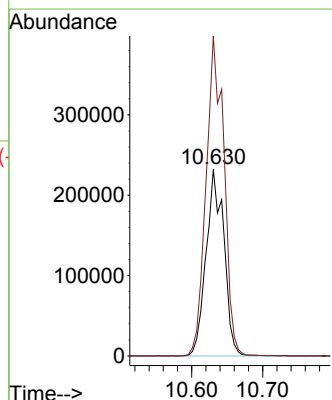
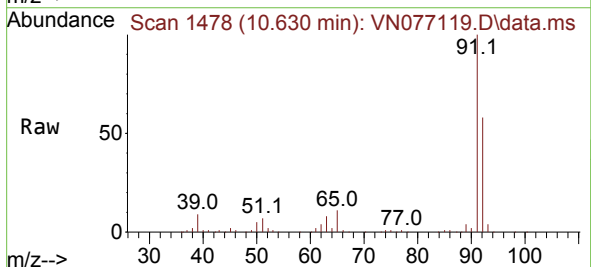
Instrument :  
MSVOA\_N  
ClientSampleId :

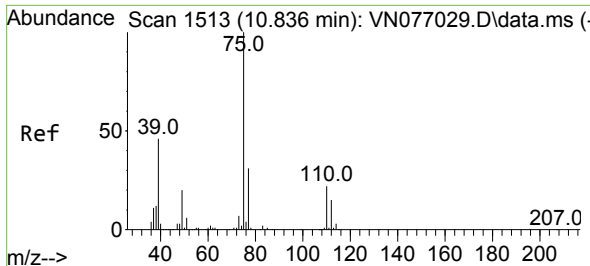
Tgt Ion: 43 Resp: 1493499  
Ion Ratio Lower Upper  
43 100  
58 41.4 31.1 46.7



#52  
Toluene  
Concen: 22.988 ug/l  
RT: 10.630 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 92 Resp: 405622  
Ion Ratio Lower Upper  
92 100  
91 172.6 135.8 203.8

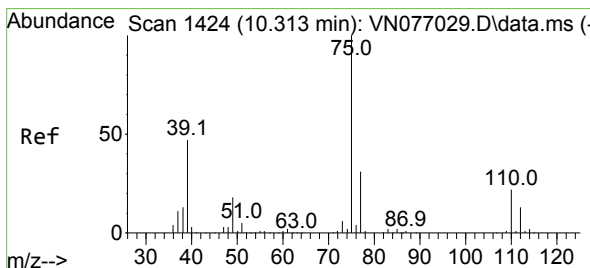
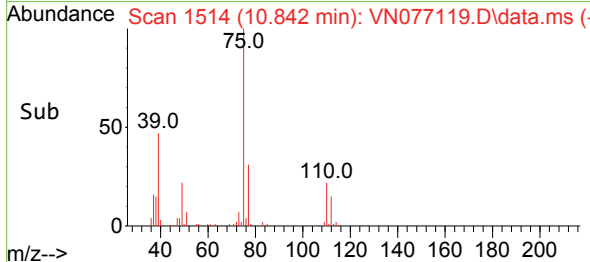
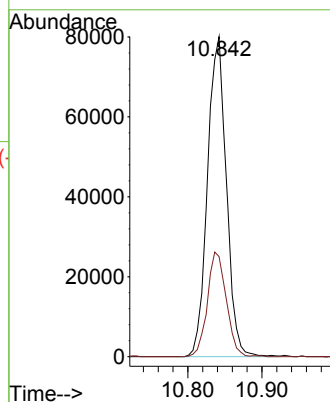
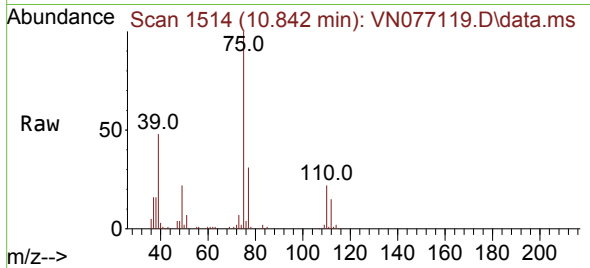




#53  
 t-1,3-Dichloropropene  
 Concen: 13.951 ug/l  
 RT: 10.842 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VN077119.D  
 Acq: 22 Mar 2023 20:53

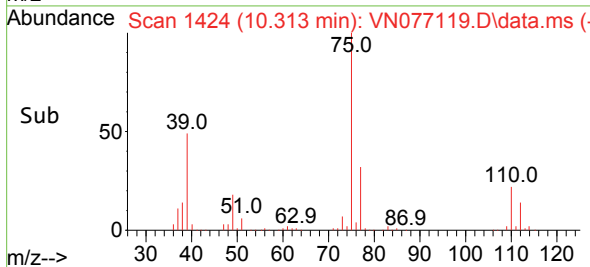
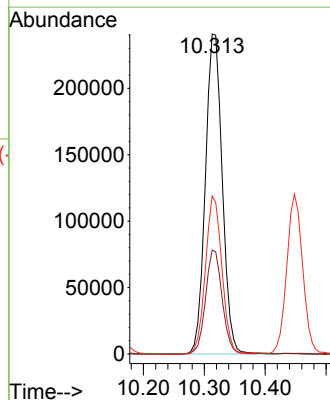
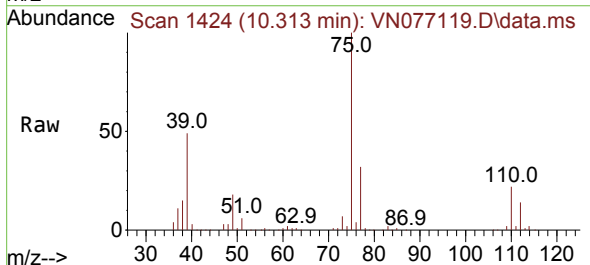
Instrument :  
 MSVOA\_N  
 ClientSampleId :

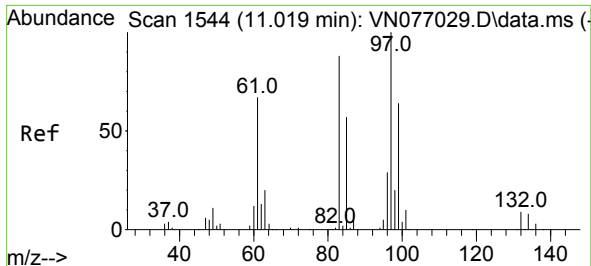
Tgt Ion: 75 Resp: 141958  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 25.1 37.7



#54  
 cis-1,3-Dichloropropene  
 Concen: 40.536 ug/l  
 RT: 10.313 min Scan# 1424  
 Delta R.T. 0.000 min  
 Lab File: VN077119.D  
 Acq: 22 Mar 2023 20:53

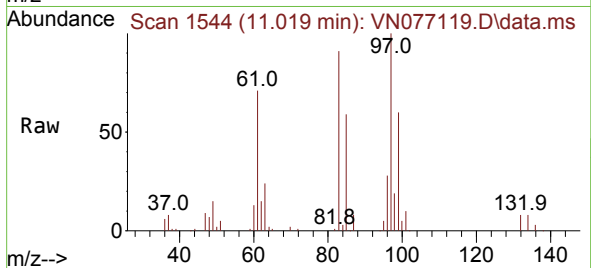
Tgt Ion: 75 Resp: 465386  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 24.5 36.7  
 39 49.3 37.8 56.6



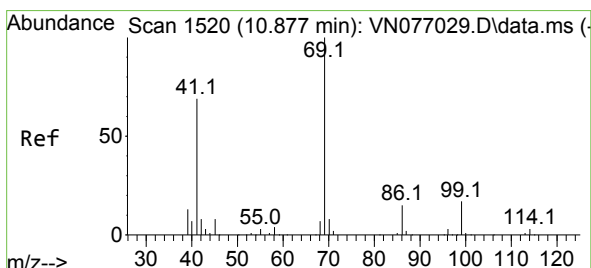
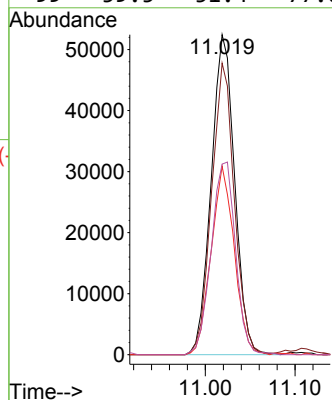
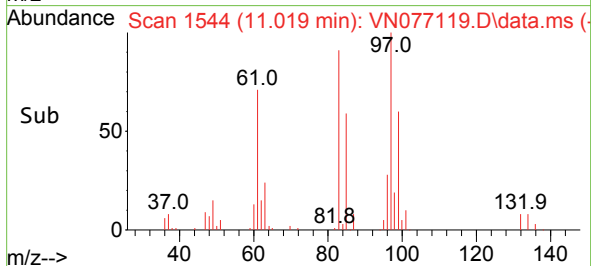


#55  
1,1,2-Trichloroethane  
Concen: 13.659 ug/l  
RT: 11.019 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

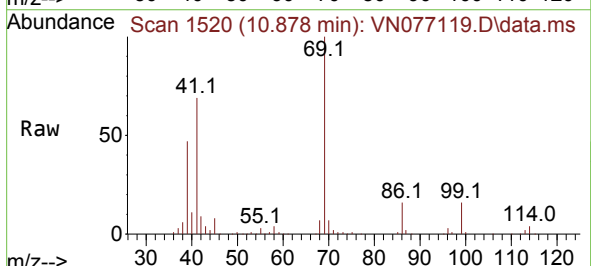
Instrument :  
MSVOA\_N  
ClientSampleId :



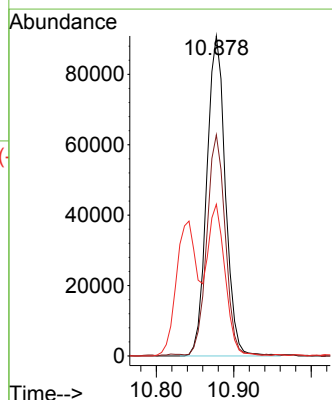
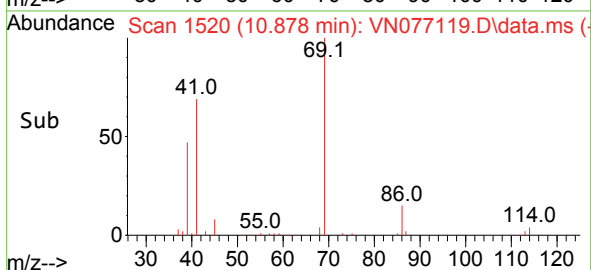
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 95036 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 91.1  | 70.5  | 105.7 |
| 85       | 58.9  | 45.4  | 68.2  |
| 99       | 59.5  | 51.4  | 77.0  |

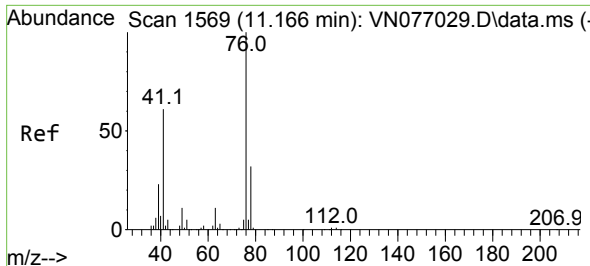


#56  
Ethyl methacrylate  
Concen: 14.479 ug/l  
RT: 10.878 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 151494 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 67.8  | 54.9  | 82.3   |
| 39       | 43.3  | 26.6  | 40.0   |





#57

1,3-Dichloropropane

Concen: 13.369 ug/l

RT: 11.166 min Scan# 11

Delta R.T. 0.000 min

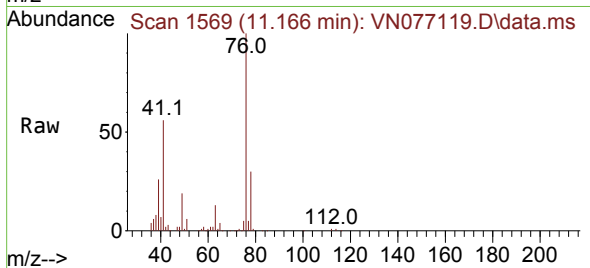
Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

Instrument :

MSVOA\_N

ClientSampleId :

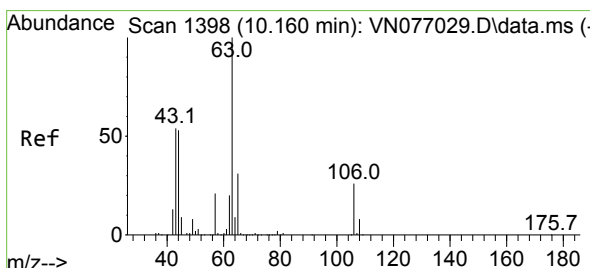
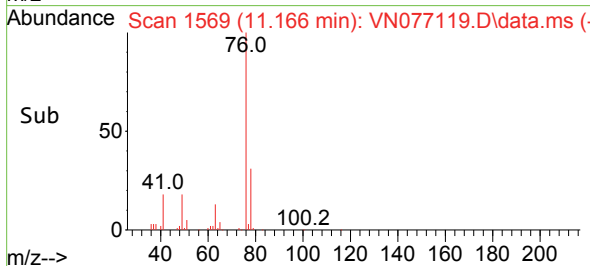
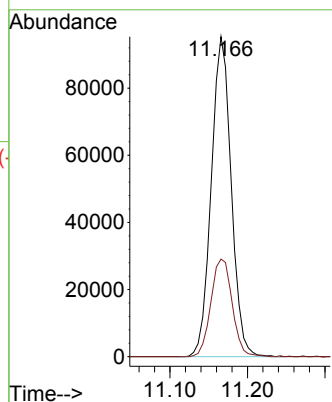


Tgt Ion: 76 Resp: 170304

Ion Ratio Lower Upper

76 100

78 32.6 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 209.200 ug/l

RT: 10.166 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VN077119.D

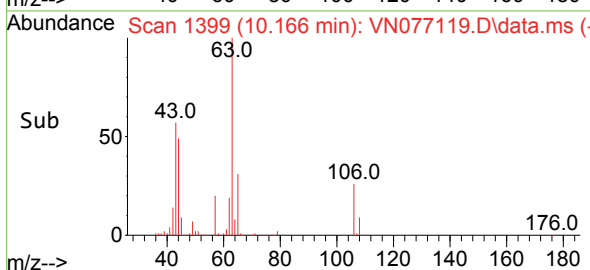
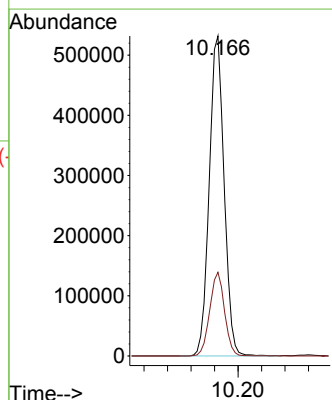
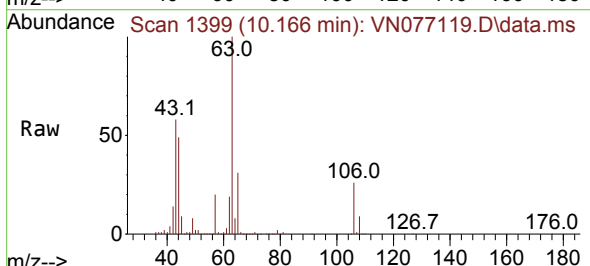
Acq: 22 Mar 2023 20:53

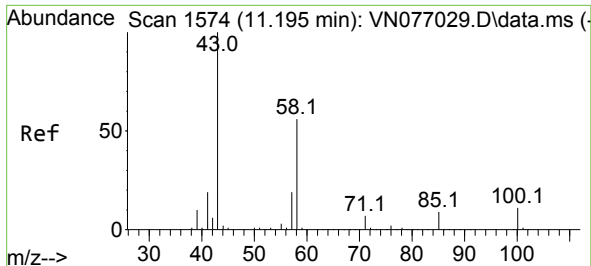
Tgt Ion: 63 Resp: 933148

Ion Ratio Lower Upper

63 100

106 26.0 20.6 31.0

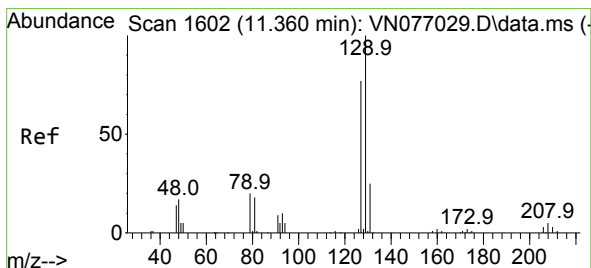
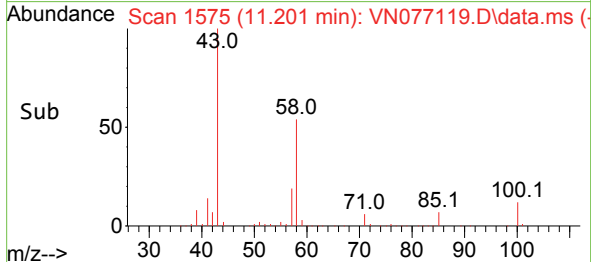
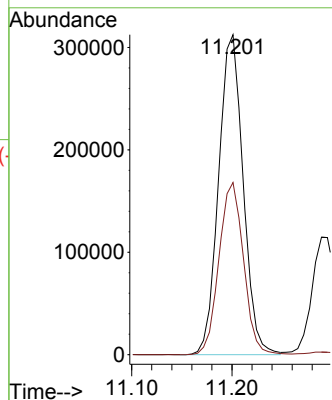
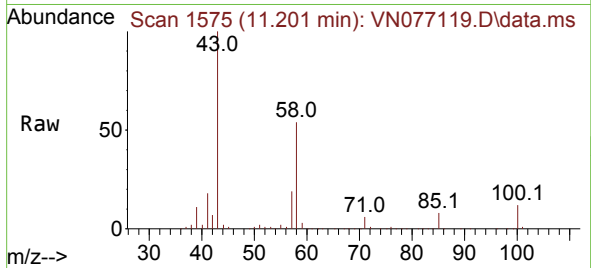




#59  
2-Hexanone  
Concen: 72.152 ug/l  
RT: 11.201 min Scan# 1575  
Delta R.T. 0.006 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

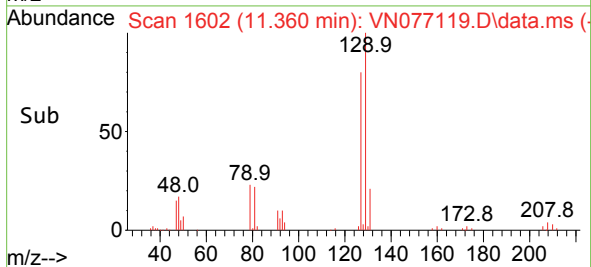
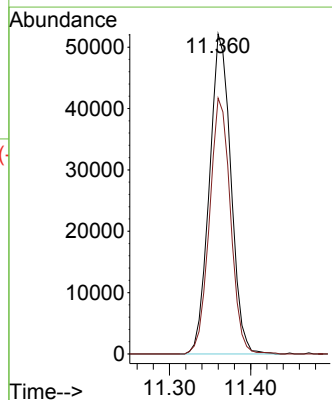
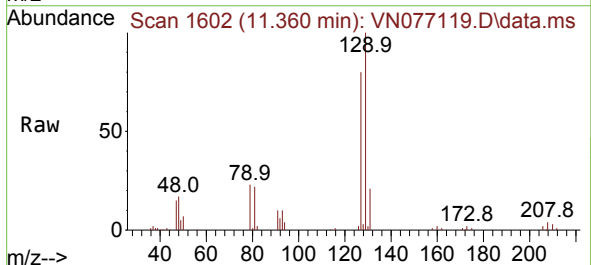
Instrument :  
MSVOA\_N  
ClientSampleId :

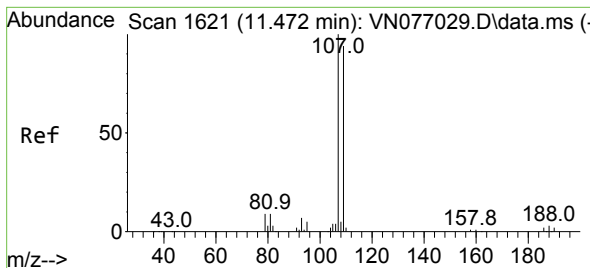
Tgt Ion: 43 Resp: 530765  
Ion Ratio Lower Upper  
43 100  
58 53.8 27.7 83.1



#60  
Dibromochloromethane  
Concen: 13.734 ug/l  
RT: 11.360 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 129 Resp: 95992  
Ion Ratio Lower Upper  
129 100  
127 77.9 38.6 115.7

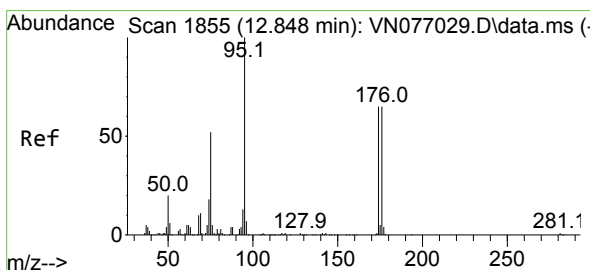
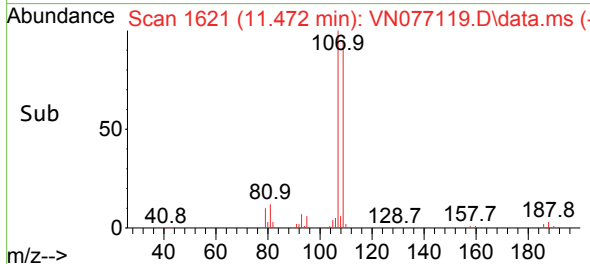
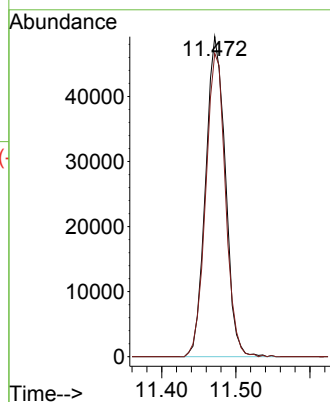
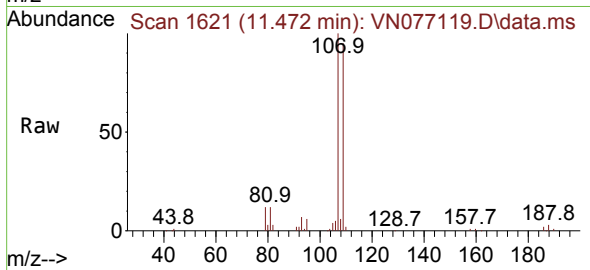




#61  
1,2-Dibromoethane  
Concen: 13.215 ug/l  
RT: 11.472 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

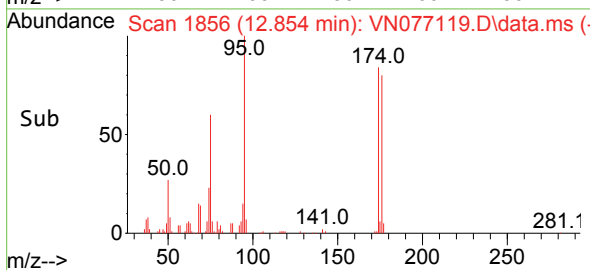
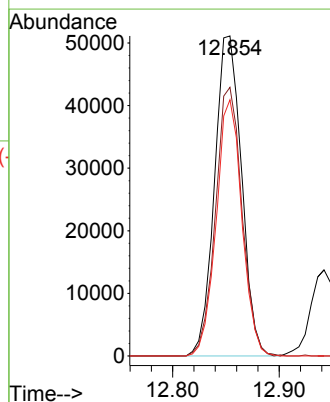
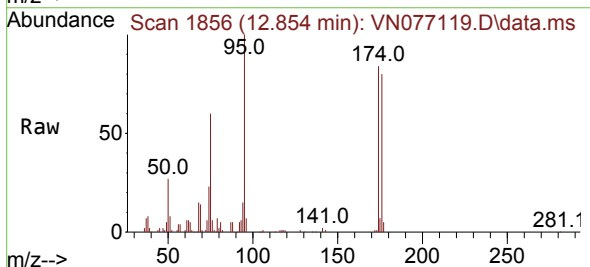
Instrument :  
MSVOA\_N  
ClientSampleId :

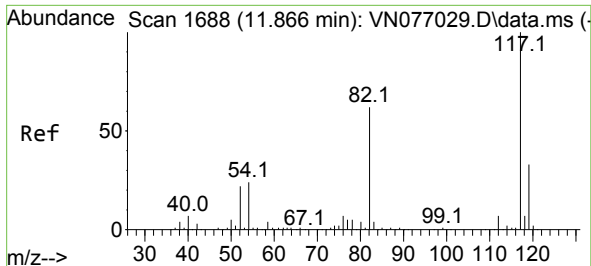
Tgt Ion:107 Resp: 91180  
Ion Ratio Lower Upper  
107 100  
109 94.6 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 11.430 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 95 Resp: 90011  
Ion Ratio Lower Upper  
95 100  
174 82.3 0.0 136.6  
176 76.1 0.0 130.0

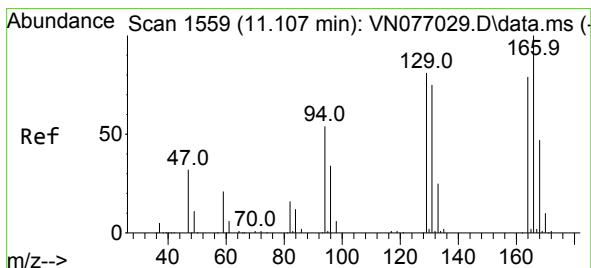
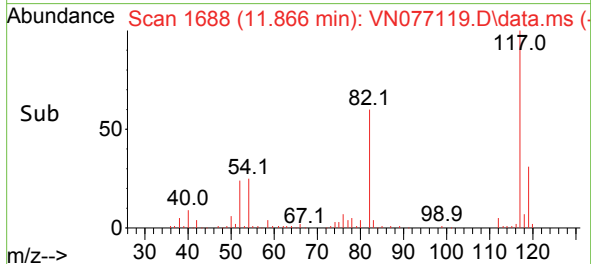
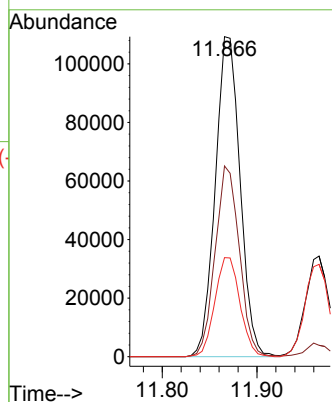
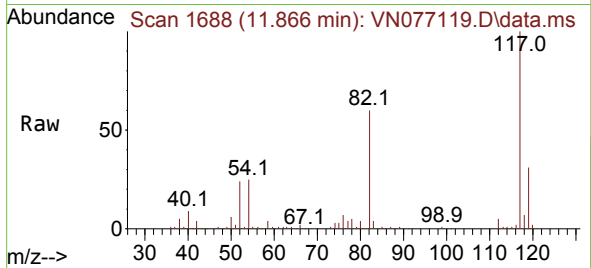




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

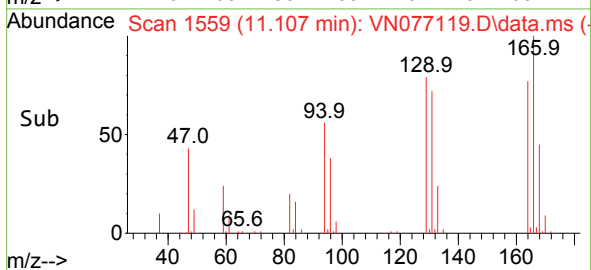
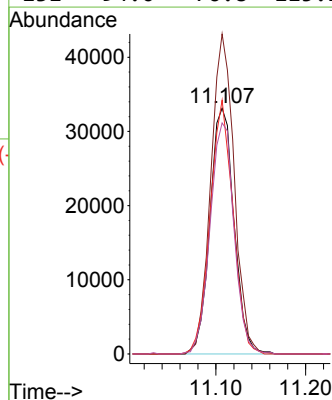
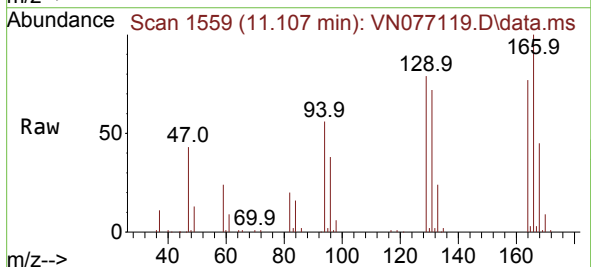
Instrument :  
MSVOA\_N  
ClientSampleId :

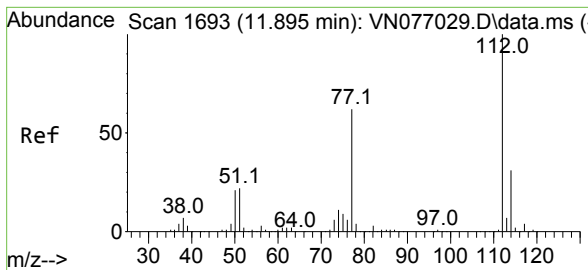
Tgt Ion:117 Resp: 199173  
Ion Ratio Lower Upper  
117 100  
82 59.6 49.4 74.0  
119 30.9 26.5 39.7



#64  
Tetrachloroethene  
Concen: 46.174 ug/l  
RT: 11.107 min Scan# 1559  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion:164 Resp: 61722  
Ion Ratio Lower Upper  
164 100  
166 130.2 101.9 152.9  
129 103.2 82.6 123.8  
131 94.0 76.8 115.2

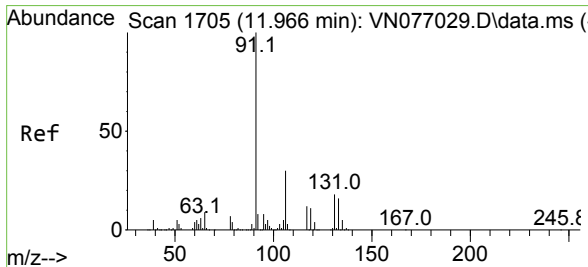
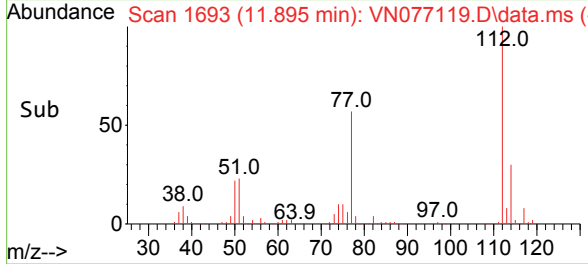
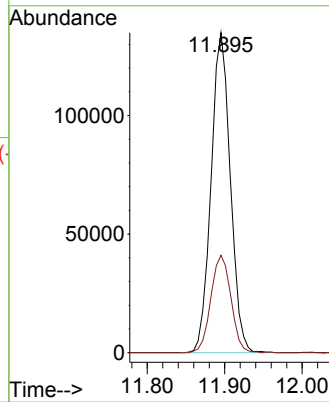
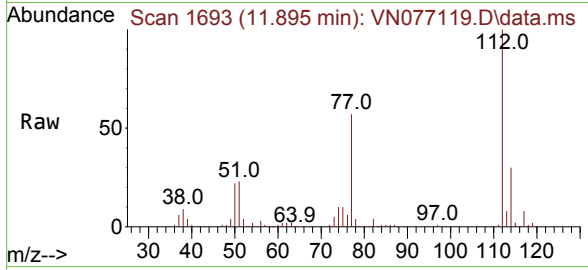




#65  
Chlorobenzene  
Concen: 50.945 ug/l  
RT: 11.895 min Scan# 112  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

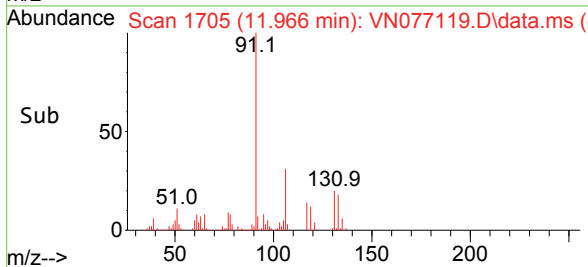
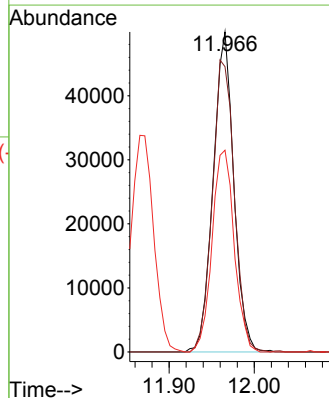
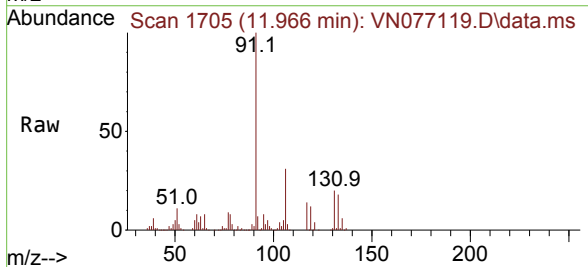
Instrument :  
MSVOA\_N  
ClientSampleId :

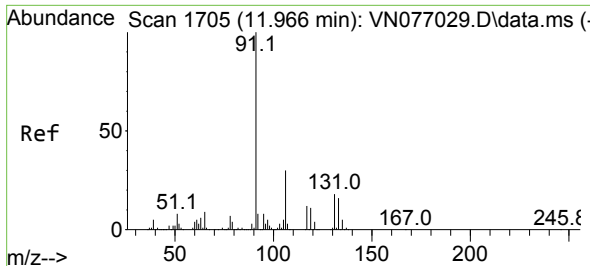
Tgt Ion:112 Resp: 233466  
Ion Ratio Lower Upper  
112 100  
114 30.4 24.8 37.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.510 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion:131 Resp: 83955  
Ion Ratio Lower Upper  
131 100  
133 97.1 46.8 140.3  
119 67.8 32.6 97.8

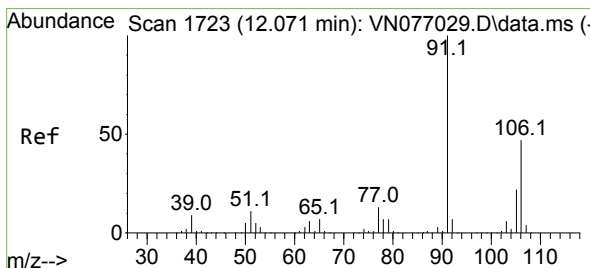
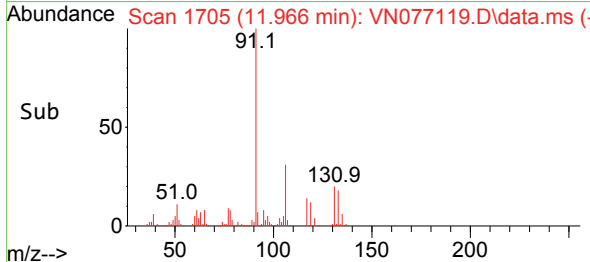
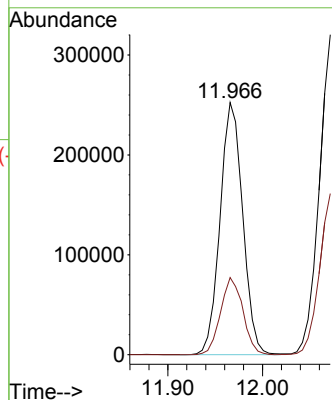
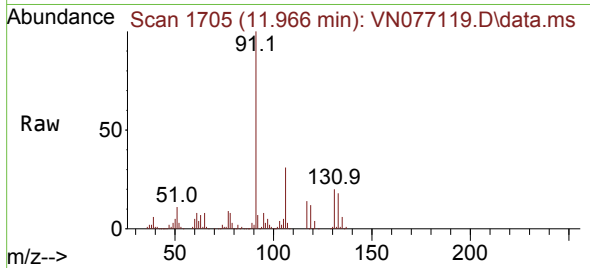




#67  
Ethyl Benzene  
Concen: 50.456 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

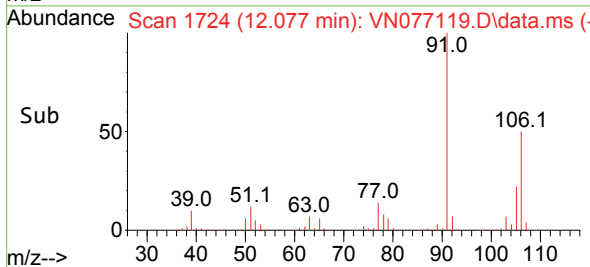
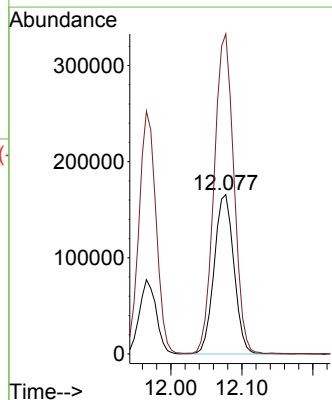
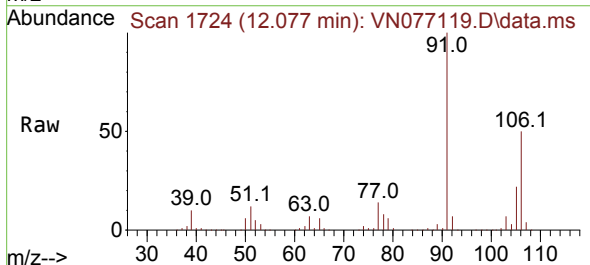
Instrument :  
MSVOA\_N  
ClientSampleId :

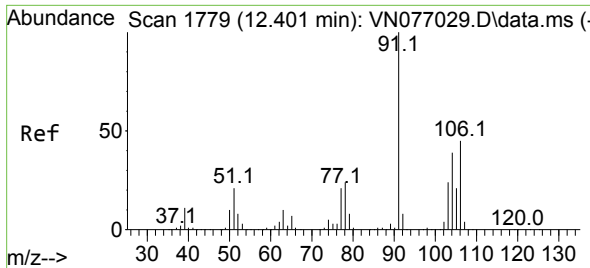
Tgt Ion: 91 Resp: 419997  
Ion Ratio Lower Upper  
91 100  
106 30.6 24.3 36.5



#68  
m/p-Xylenes  
Concen: 103.548 ug/l  
RT: 12.077 min Scan# 1724  
Delta R.T. 0.006 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion:106 Resp: 319661  
Ion Ratio Lower Upper  
106 100  
91 199.8 168.0 252.0

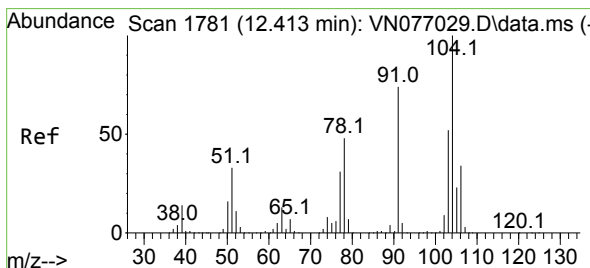
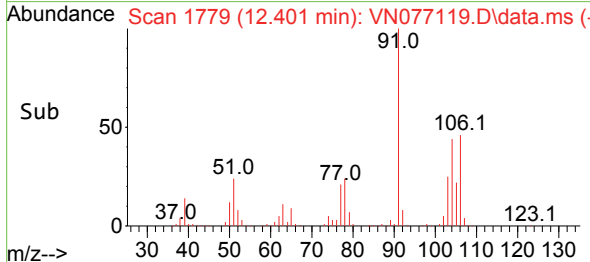
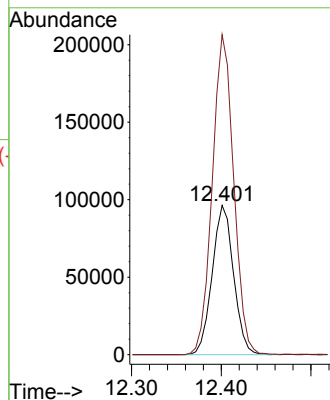
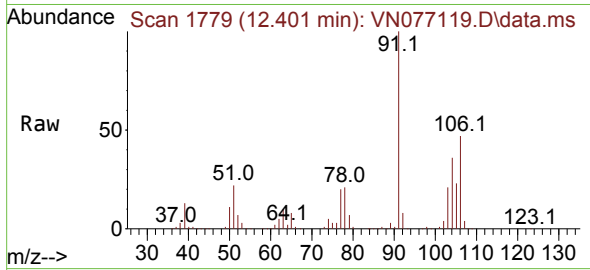




#69  
o-Xylene  
Concen: 51.948 ug/l  
RT: 12.401 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

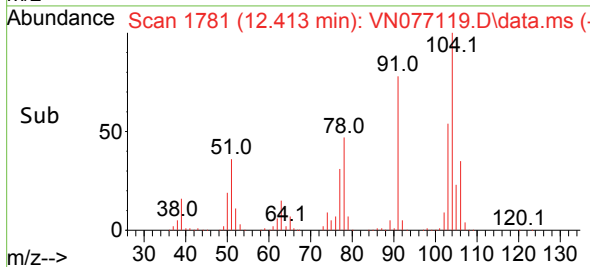
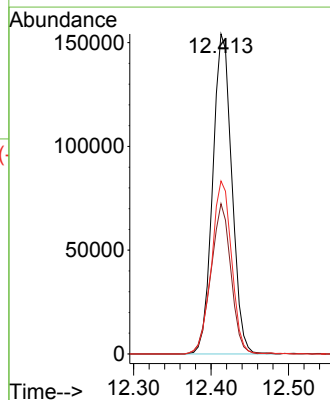
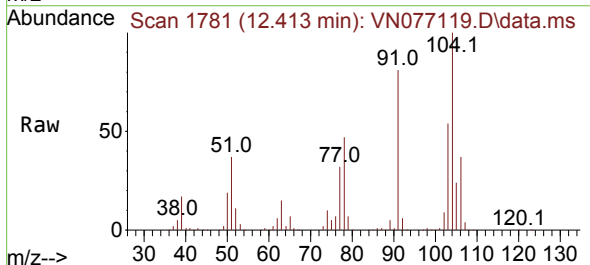
Instrument :  
MSVOA\_N  
ClientSampleId :

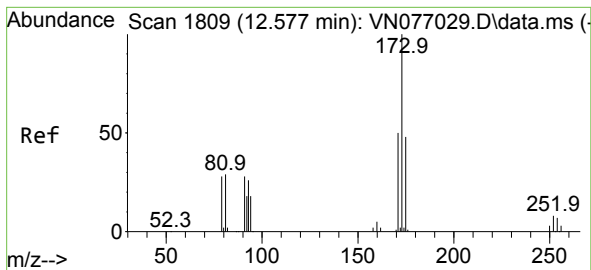
Tgt Ion:106 Resp: 159345  
Ion Ratio Lower Upper  
106 100  
91 214.6 110.3 330.9



#70  
Styrene  
Concen: 55.383 ug/l  
RT: 12.413 min Scan# 1781  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion:104 Resp: 264485  
Ion Ratio Lower Upper  
104 100  
78 49.0 41.8 62.8  
103 56.8 43.8 65.6





#71

Bromoform

Concen: 54.676 ug/l

RT: 12.583 min Scan# 1809

Delta R.T. 0.006 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

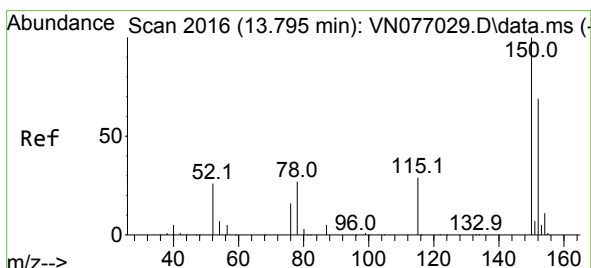
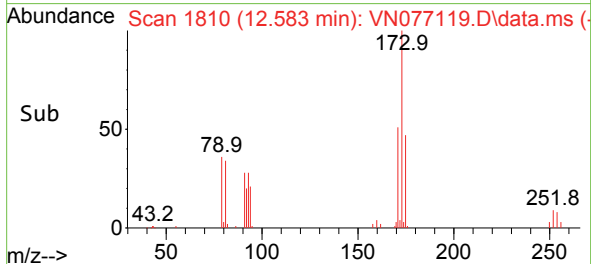
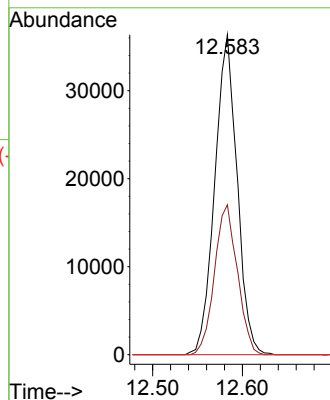
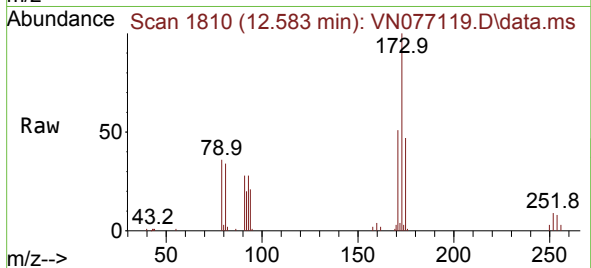
Instrument :

MSVOA\_N

ClientSampleId :

Tgt Ion:173 Resp: 62825

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 48.0  | 24.5  | 73.5  |
| 254 | 0.0   | 0.1   | 0.1   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

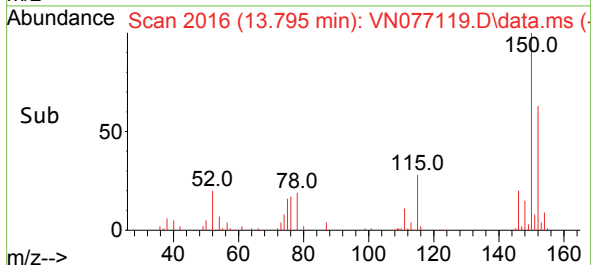
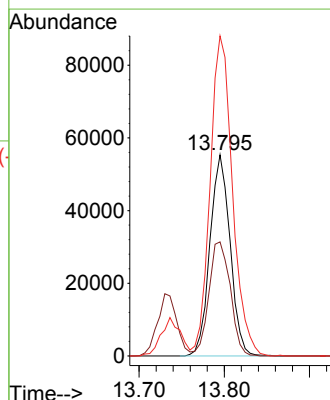
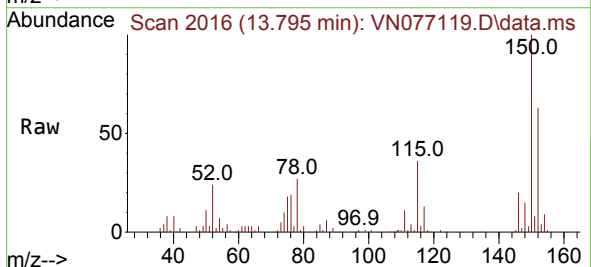
Delta R.T. -0.000 min

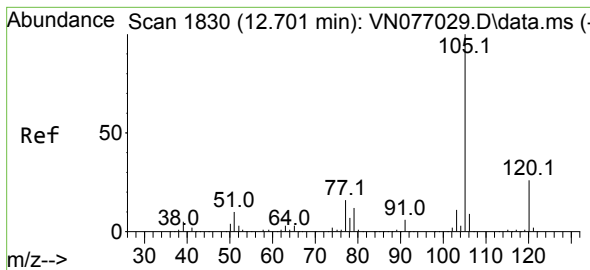
Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

Tgt Ion:152 Resp: 91031

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 60.2  | 31.9  | 95.7  |
| 150 | 176.3 | 0.0   | 348.0 |





#73

Isopropylbenzene

Concen: 47.953 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

Instrument :

MSVOA\_N

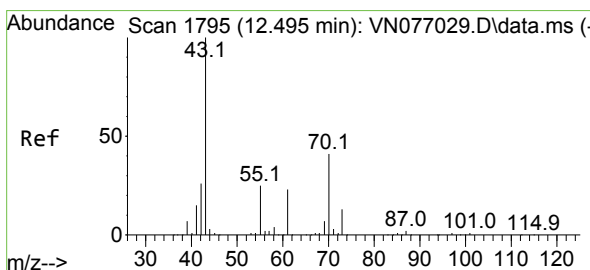
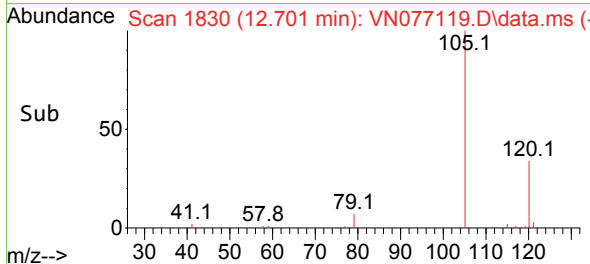
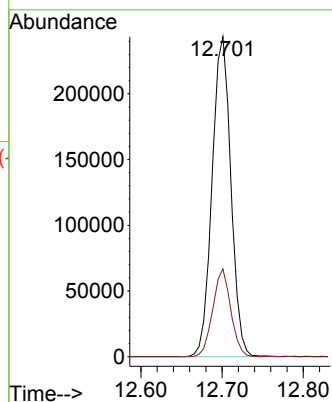
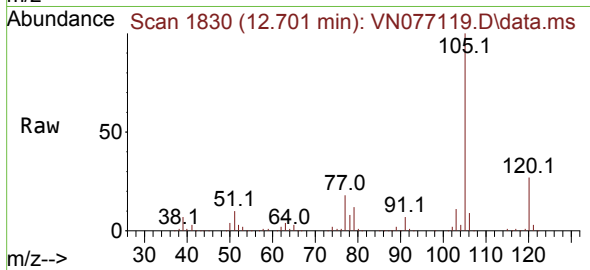
ClientSampleId :

Tgt Ion:105 Resp: 391197

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.4



#74

N-ethyl acetate

Concen: 55.022 ug/l

RT: 12.501 min Scan# 1796

Delta R.T. 0.006 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

Tgt Ion: 43 Resp: 194284

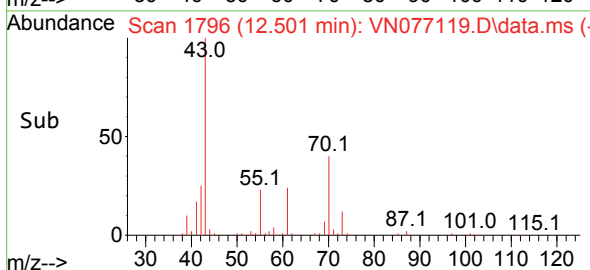
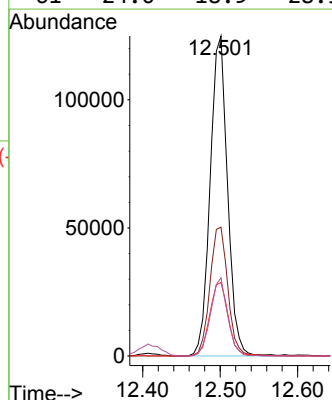
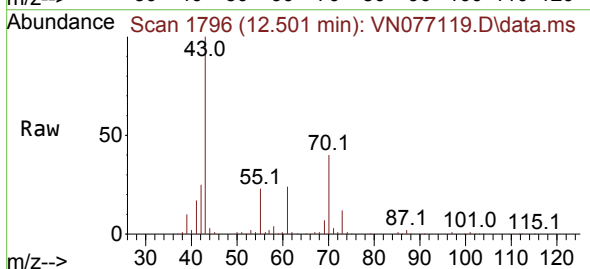
Ion Ratio Lower Upper

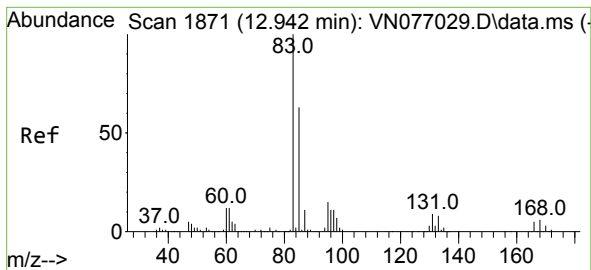
43 100

70 41.6 33.6 50.4

55 24.6 20.3 30.5

61 24.0 18.9 28.3

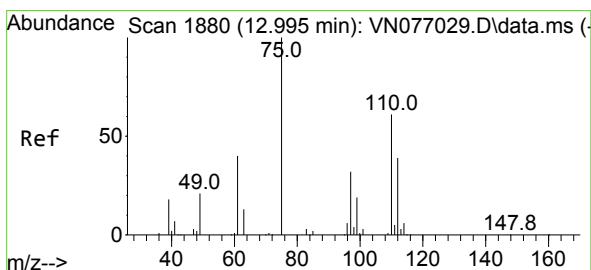
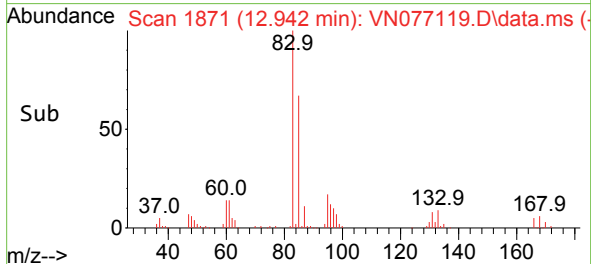
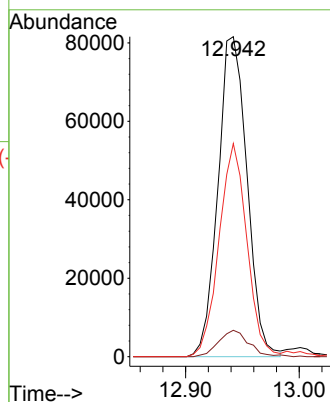
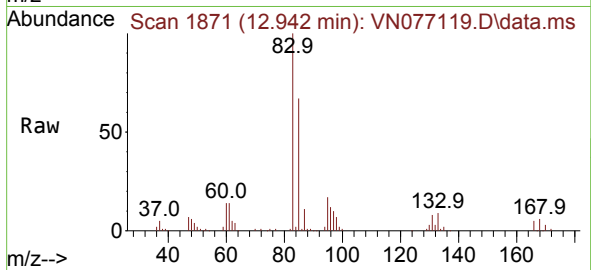




#75  
1,1,2,2-Tetrachloroethane  
Concen: 49.049 ug/l  
RT: 12.942 min Scan# 1871  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

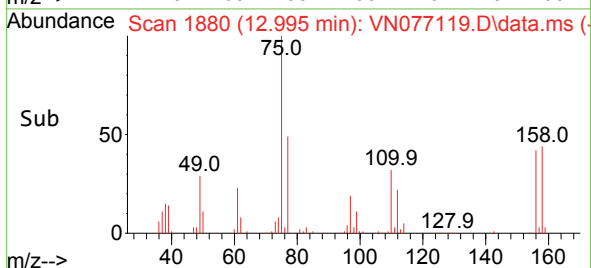
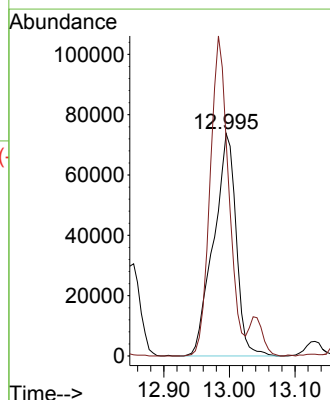
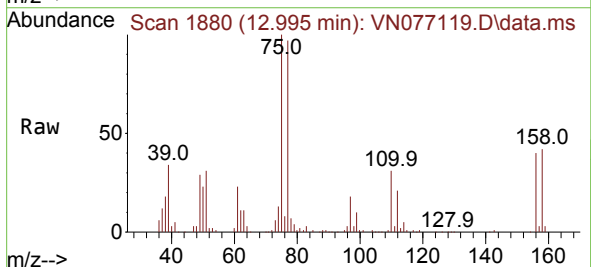
Instrument :  
MSVOA\_N  
ClientSampleId :

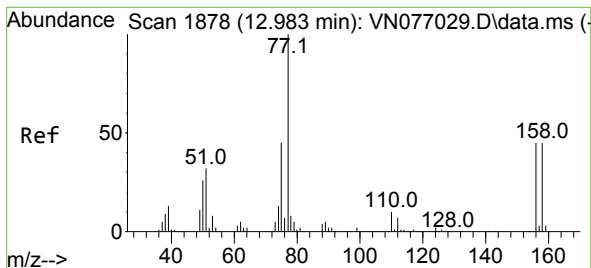
Tgt Ion: 83 Resp: 144966  
Ion Ratio Lower Upper  
83 100  
131 8.6 4.5 13.7  
85 63.8 31.9 95.9



#76  
1,2,3-Trichloropropane  
Concen: 74.719 ug/l  
RT: 12.995 min Scan# 1880  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 75 Resp: 175936  
Ion Ratio Lower Upper  
75 100  
77 118.6 107.3 322.0





#77

Bromobenzene

Concen: 47.154 ug/l

RT: 12.983 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

Instrument :

MSVOA\_N

ClientSampleId :

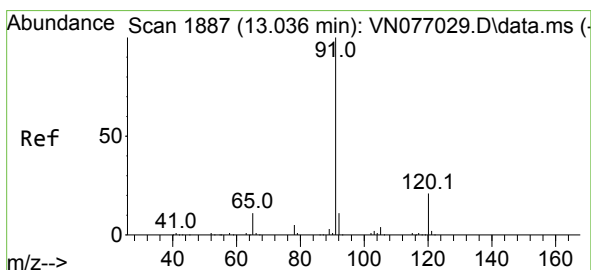
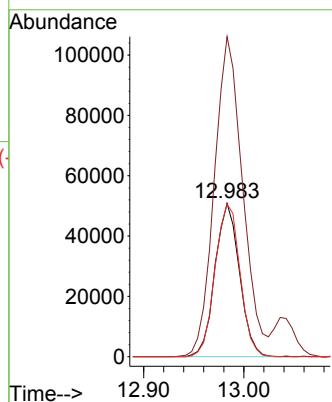
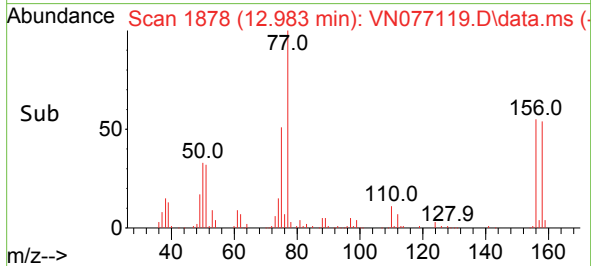
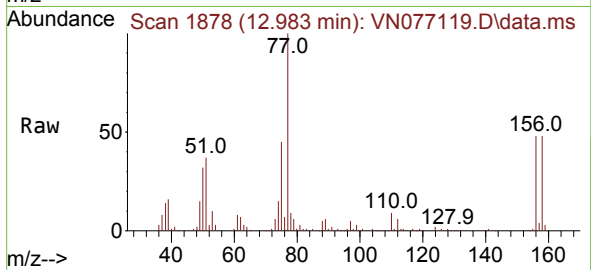
Tgt Ion:156 Resp: 86173

Ion Ratio Lower Upper

156 100

77 242.2 124.8 374.3

158 101.5 48.6 145.9



#78

n-propylbenzene

Concen: 48.852 ug/l

RT: 13.042 min Scan# 1888

Delta R.T. 0.006 min

Lab File: VN077119.D

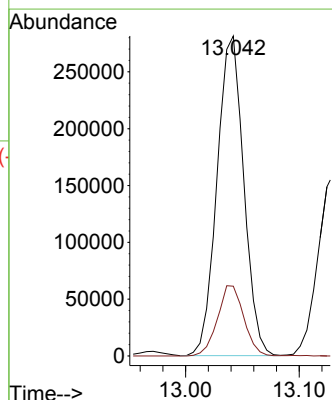
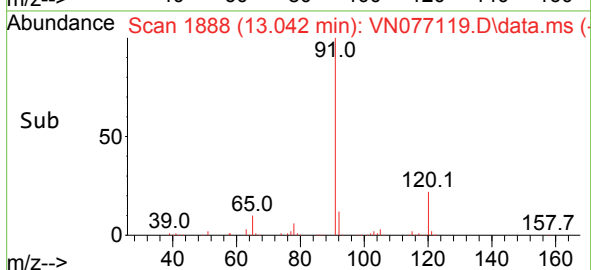
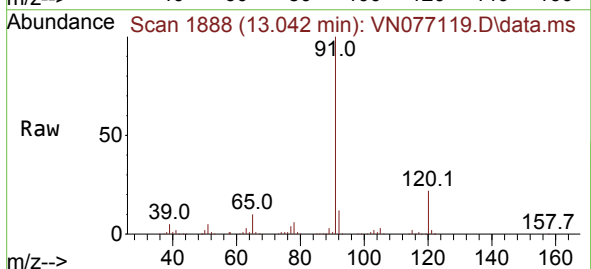
Acq: 22 Mar 2023 20:53

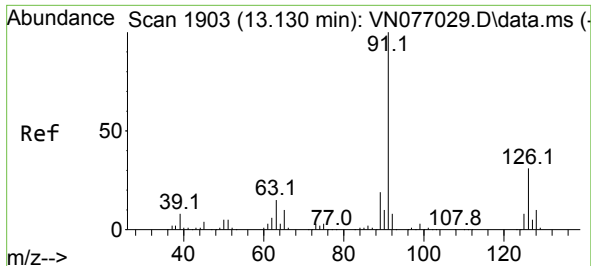
Tgt Ion: 91 Resp: 460060

Ion Ratio Lower Upper

91 100

120 21.7 10.8 32.3

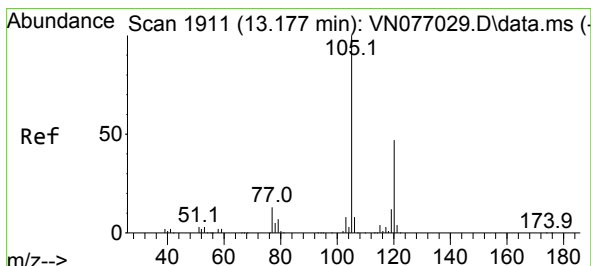
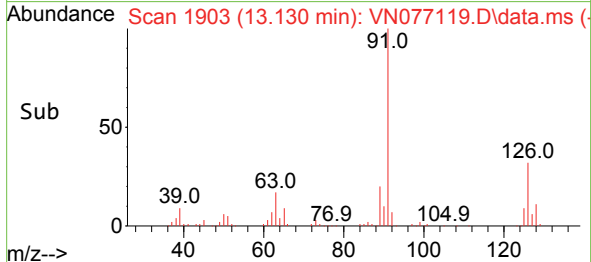
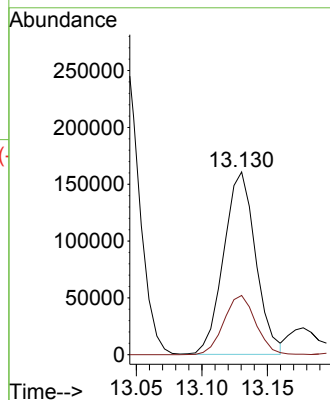
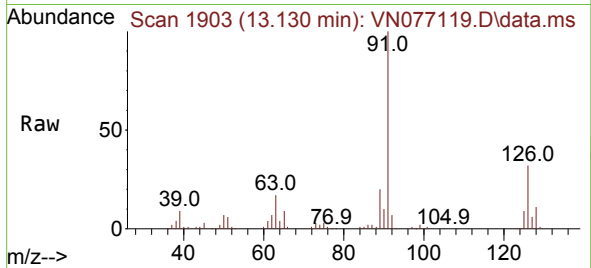




#79  
2-Chlorotoluene  
Concen: 45.491 ug/l  
RT: 13.130 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

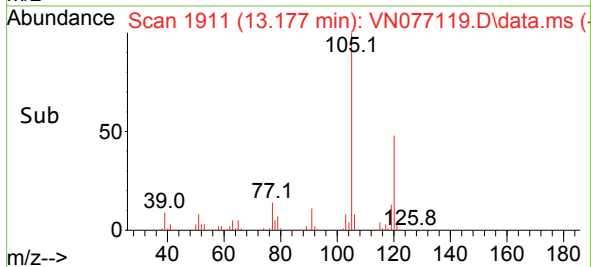
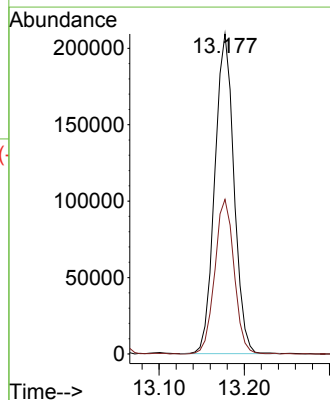
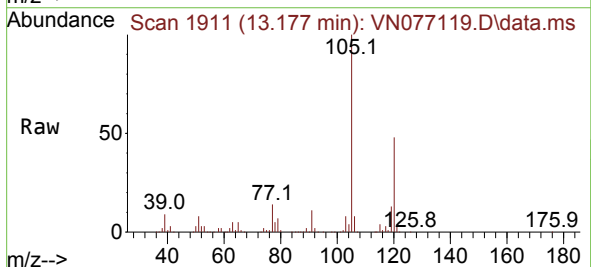
Instrument :  
MSVOA\_N  
ClientSampleId :

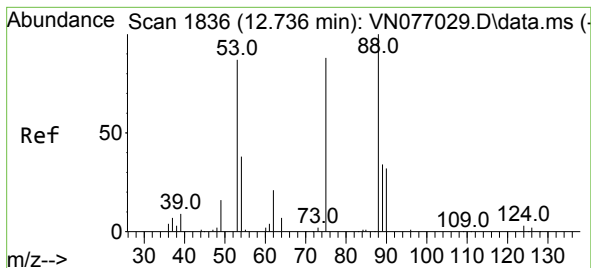
Tgt Ion: 91 Resp: 272980  
Ion Ratio Lower Upper  
91 100  
126 32.3 15.2 45.5



#80  
1,3,5-Trimethylbenzene  
Concen: 48.084 ug/l  
RT: 13.177 min Scan# 1911  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 105 Resp: 327505  
Ion Ratio Lower Upper  
105 100  
120 48.7 23.4 70.2

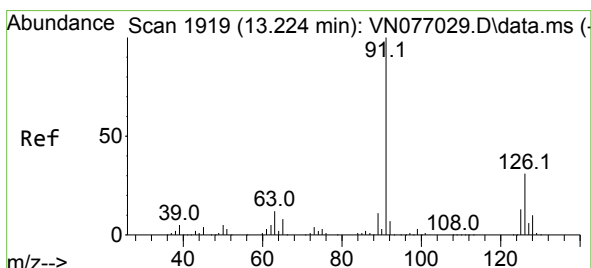
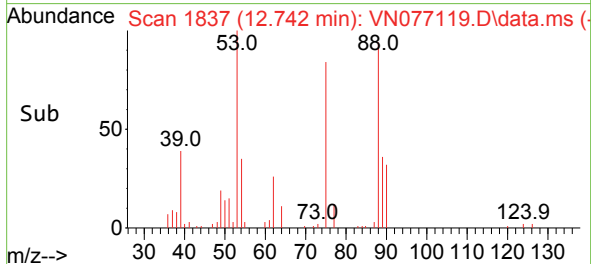
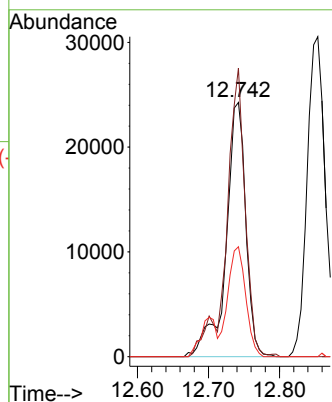
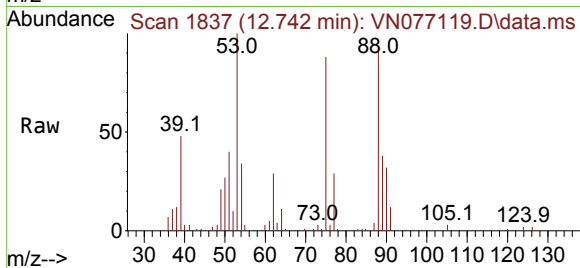




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.054 ug/l  
RT: 12.742 min Scan# 1837  
Delta R.T. 0.006 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

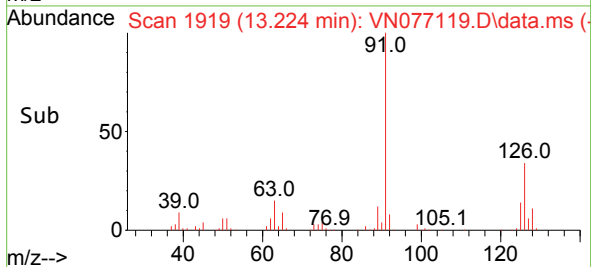
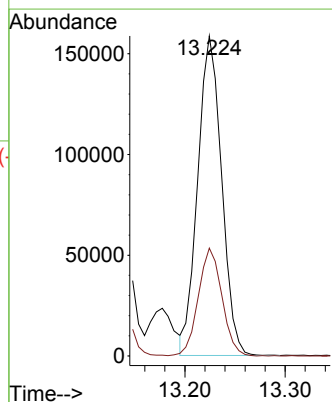
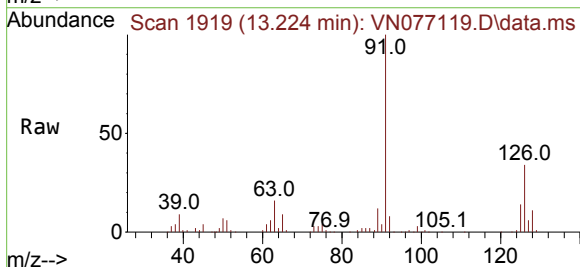
Instrument :  
MSVOA\_N  
ClientSampleId :

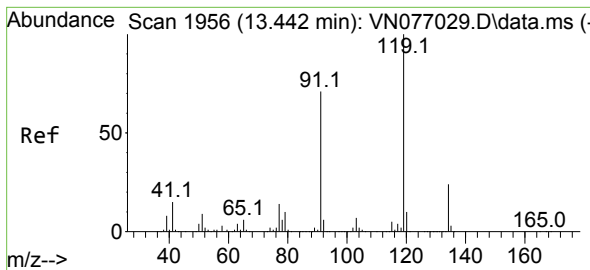
Tgt Ion: 75 Resp: 47095  
Ion Ratio Lower Upper  
75 100  
53 106.6 80.8 121.2  
89 39.0 34.2 51.4



#82  
4-Chlorotoluene  
Concen: 46.109 ug/l  
RT: 13.224 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion: 91 Resp: 263108  
Ion Ratio Lower Upper  
91 100  
126 33.4 15.5 46.5

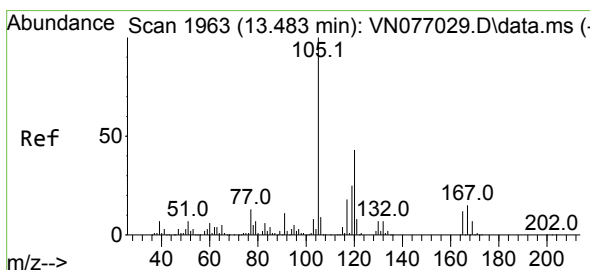
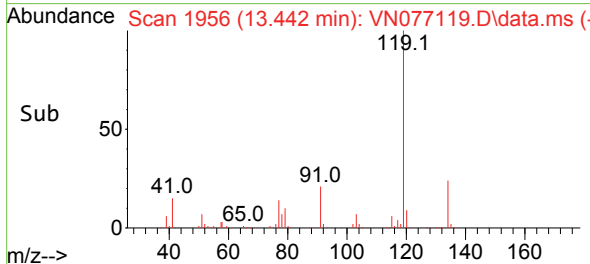
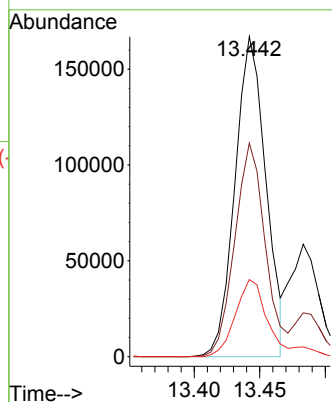
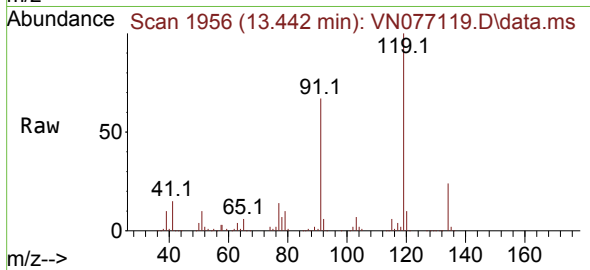




#83  
tert-Butylbenzene  
Concen: 47.853 ug/l  
RT: 13.442 min Scan# 1956  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

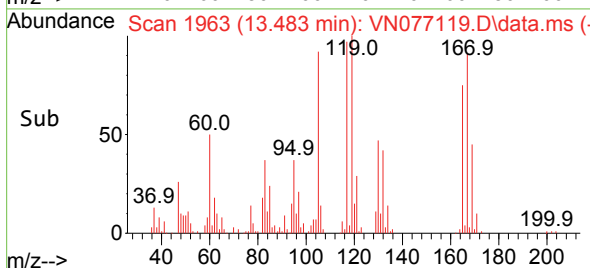
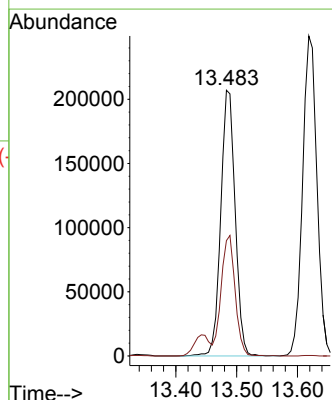
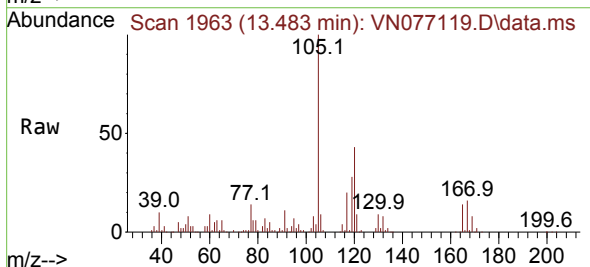
Instrument :  
MSVOA\_N  
ClientSampleId :

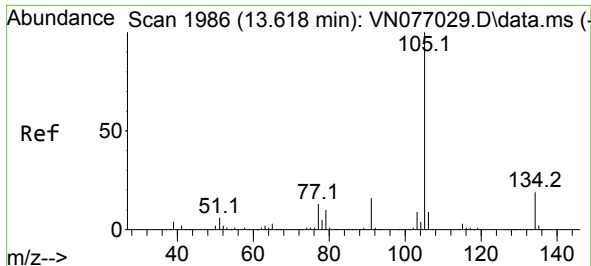
Tgt Ion:119 Resp: 273654  
Ion Ratio Lower Upper  
119 100  
91 66.4 35.8 107.3  
134 26.6 13.3 39.8



#84  
1,2,4-Trimethylbenzene  
Concen: 50.103 ug/l  
RT: 13.483 min Scan# 1963  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion:105 Resp: 340549  
Ion Ratio Lower Upper  
105 100  
120 43.9 21.8 65.3

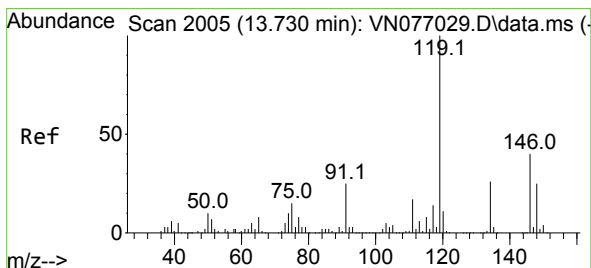
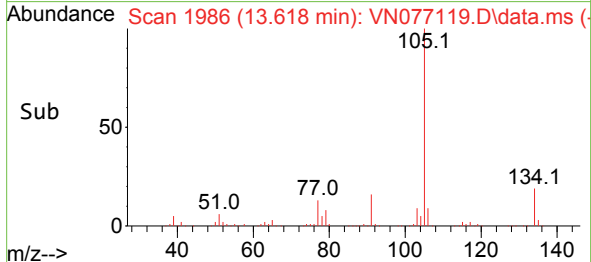
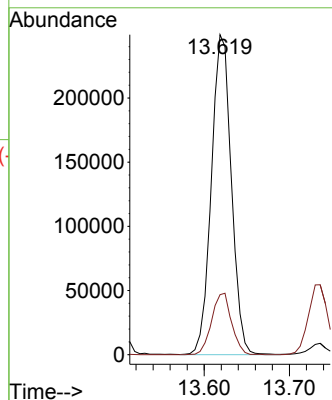
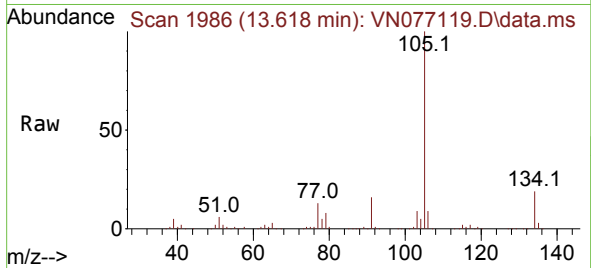




#85  
 sec-Butylbenzene  
 Concen: 50.078 ug/l  
 RT: 13.618 min Scan# 1986  
 Delta R.T. 0.000 min  
 Lab File: VN077119.D  
 Acq: 22 Mar 2023 20:53

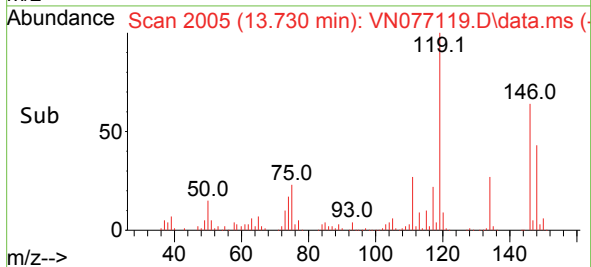
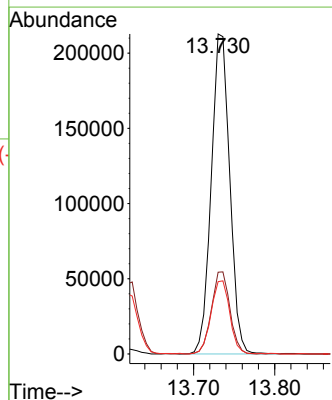
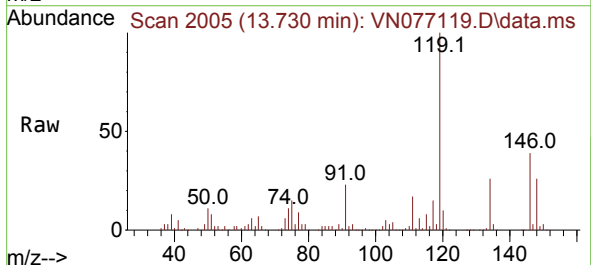
Instrument :  
 MSVOA\_N  
 ClientSampleId :

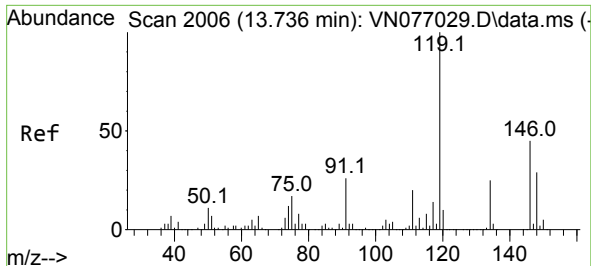
Tgt Ion:105 Resp: 407371  
 Ion Ratio Lower Upper  
 105 100  
 134 19.1 9.3 27.9



#86  
 p-Isopropyltoluene  
 Concen: 51.631 ug/l  
 RT: 13.730 min Scan# 2005  
 Delta R.T. 0.000 min  
 Lab File: VN077119.D  
 Acq: 22 Mar 2023 20:53

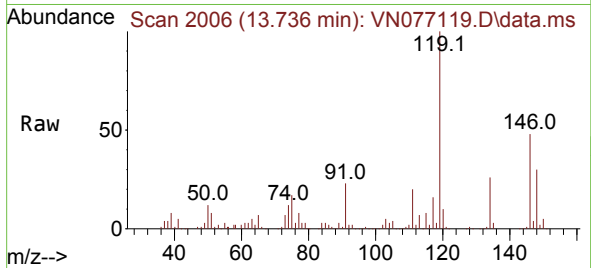
Tgt Ion:119 Resp: 337286  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 12.8 38.4  
 91 23.1 12.7 38.1



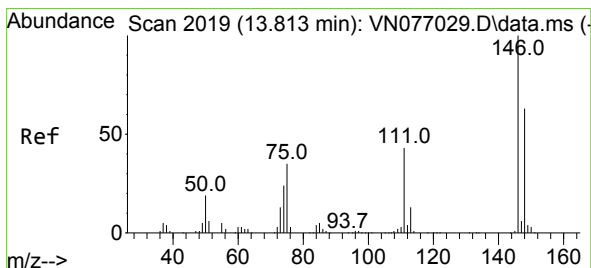
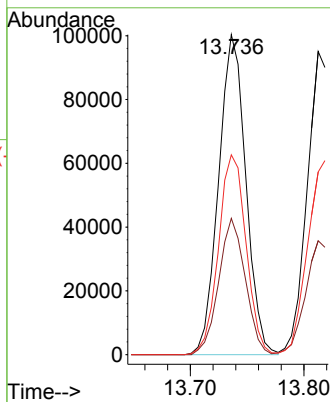
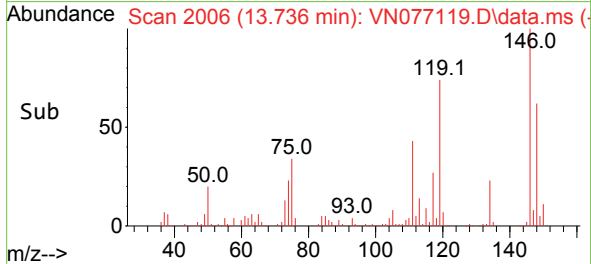


#87  
 1,3-Dichlorobenzene  
 Concen: 48.361 ug/l  
 RT: 13.736 min Scan# 2006  
 Delta R.T. 0.000 min  
 Lab File: VN077119.D  
 Acq: 22 Mar 2023 20:53

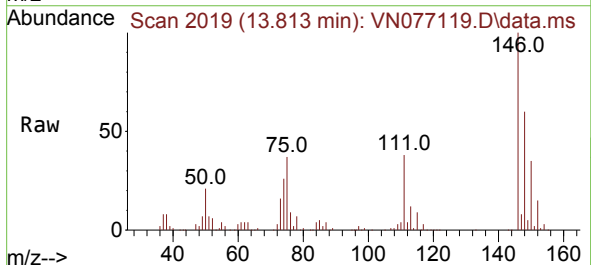
Instrument :  
 MSVOA\_N  
 ClientSampleId :



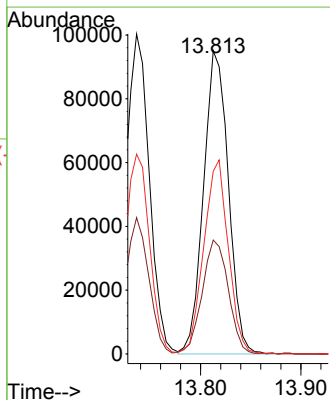
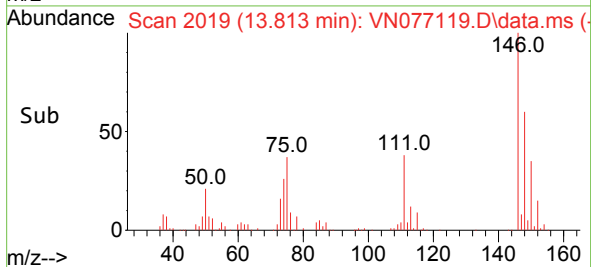
Tgt Ion:146 Resp: 167033  
 Ion Ratio Lower Upper  
 146 100  
 111 41.6 21.9 65.5  
 148 63.3 32.1 96.5

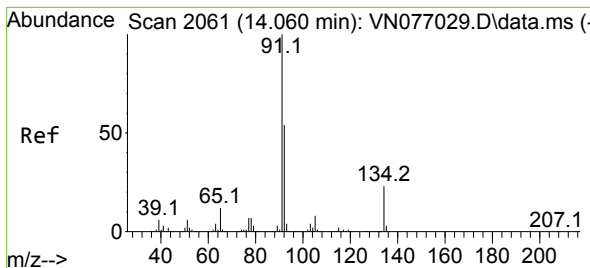


#88  
 1,4-Dichlorobenzene  
 Concen: 47.670 ug/l  
 RT: 13.813 min Scan# 2019  
 Delta R.T. -0.000 min  
 Lab File: VN077119.D  
 Acq: 22 Mar 2023 20:53



Tgt Ion:146 Resp: 163814  
 Ion Ratio Lower Upper  
 146 100  
 111 39.7 21.5 64.5  
 148 63.3 31.9 95.9





#89

n-Butylbenzene

Concen: 50.628 ug/l

RT: 14.060 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VN077119.D

Acq: 22 Mar 2023 20:53

Instrument :

MSVOA\_N

ClientSampleId :

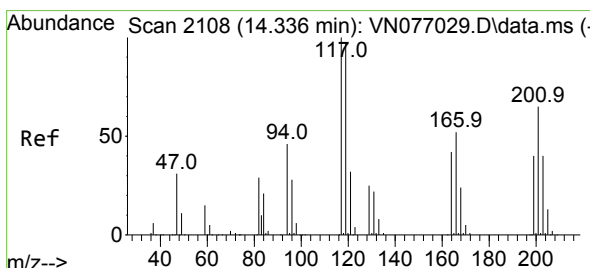
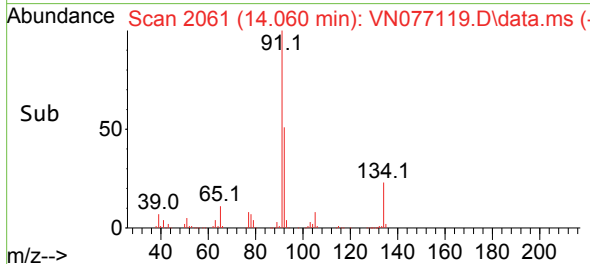
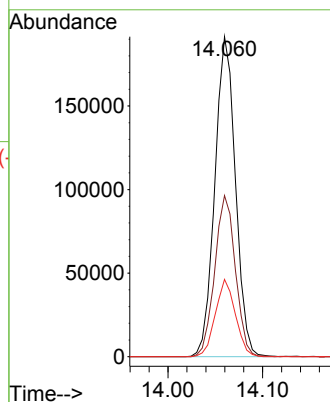
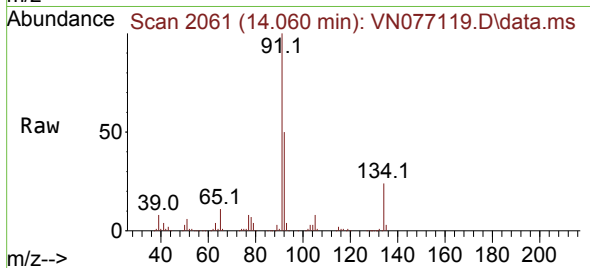
Tgt Ion: 91 Resp: 290149

Ion Ratio Lower Upper

91 100

92 50.5 26.5 79.5

134 23.5 11.7 35.1



#90

Hexachloroethane

Concen: 44.179 ug/l

RT: 14.336 min Scan# 2108

Delta R.T. 0.000 min

Lab File: VN077119.D

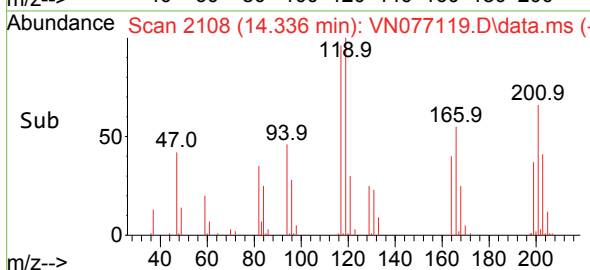
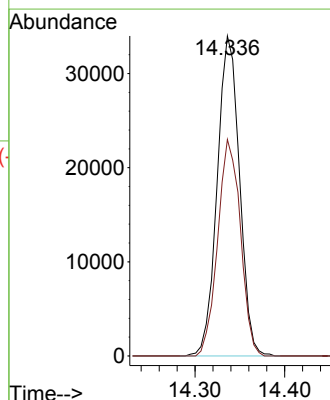
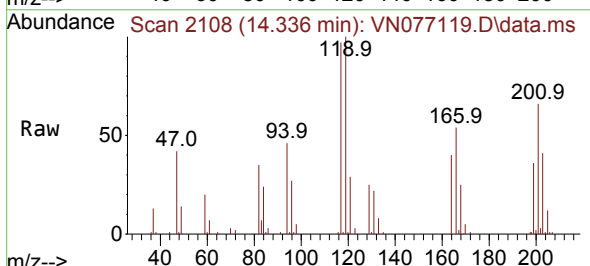
Acq: 22 Mar 2023 20:53

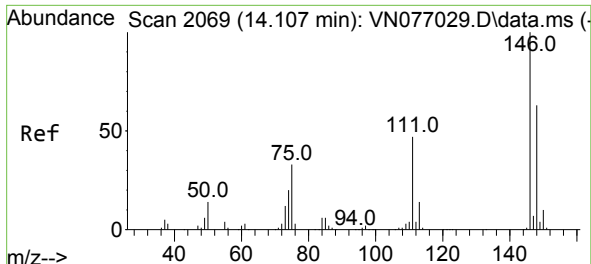
Tgt Ion: 117 Resp: 58678

Ion Ratio Lower Upper

117 100

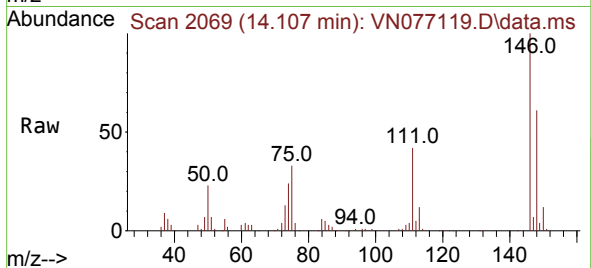
201 68.7 32.5 97.4



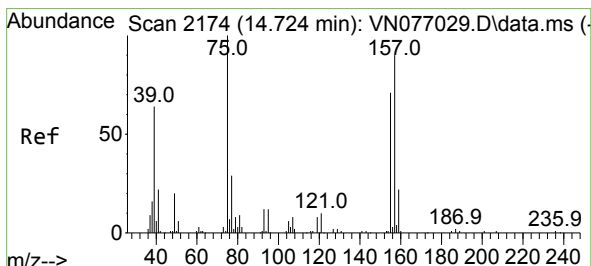
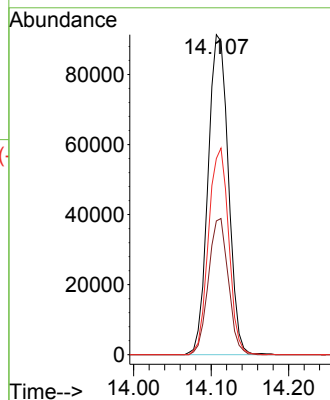
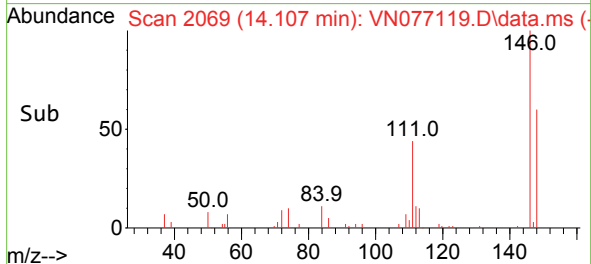


#91  
1,2-Dichlorobenzene  
Concen: 48.287 ug/l  
RT: 14.107 min Scan# 2069  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

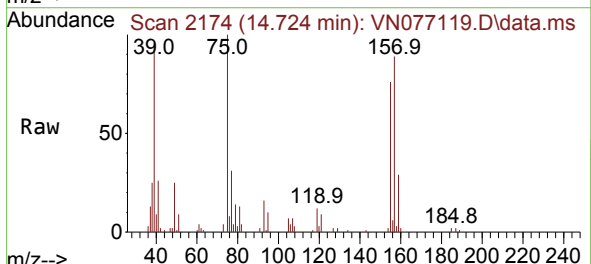
Instrument :  
MSVOA\_N  
ClientSampleId :



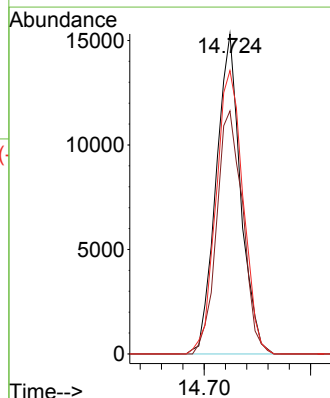
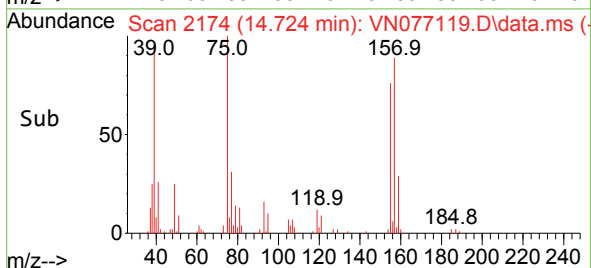
Tgt Ion:146 Resp: 166242  
Ion Ratio Lower Upper  
146 100  
111 41.6 22.6 67.7  
148 64.1 31.6 95.0

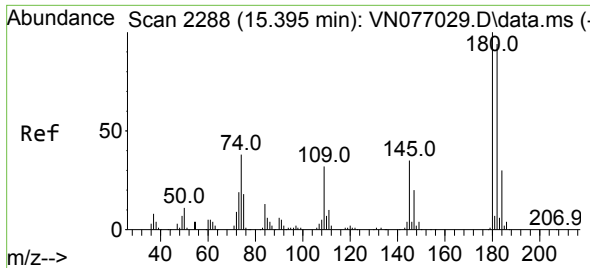


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 44.696 ug/l  
RT: 14.724 min Scan# 2174  
Delta R.T. 0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53



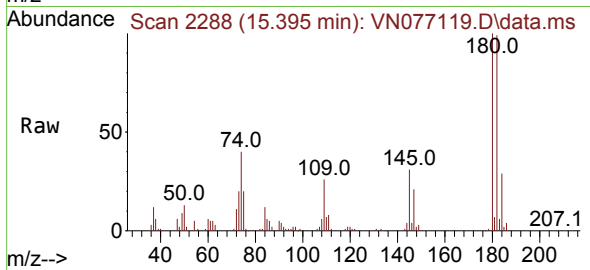
Tgt Ion: 75 Resp: 24478  
Ion Ratio Lower Upper  
75 100  
155 80.8 36.1 108.3  
157 97.7 45.8 137.3



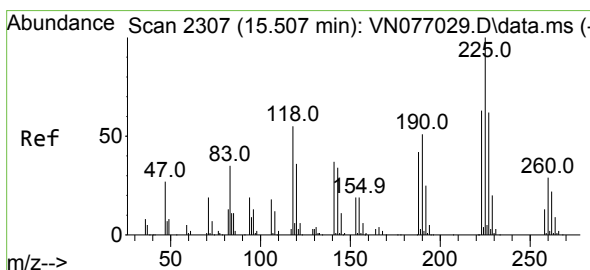
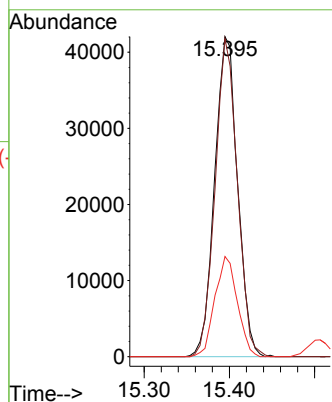
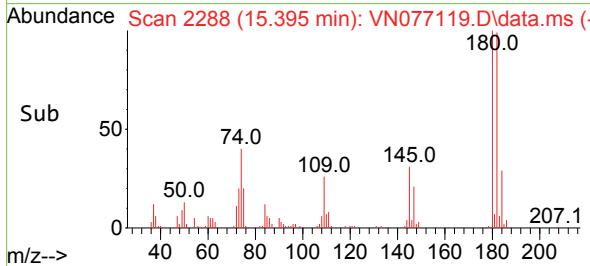


#93  
1,2,4-Trichlorobenzene  
Concen: 50.401 ug/l  
RT: 15.395 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Instrument :  
MSVOA\_N  
ClientSampleId :

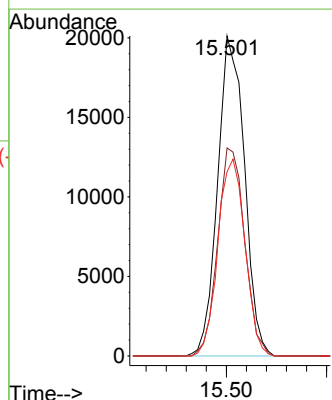
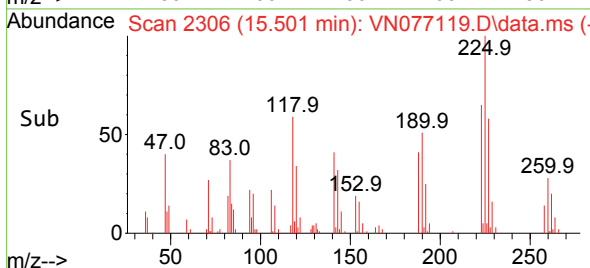
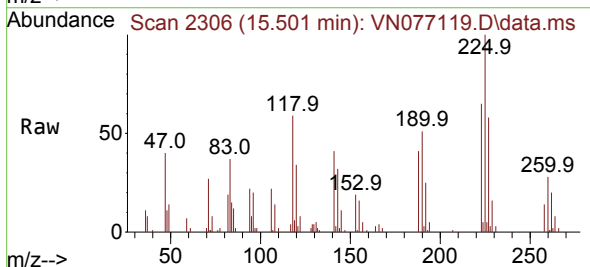


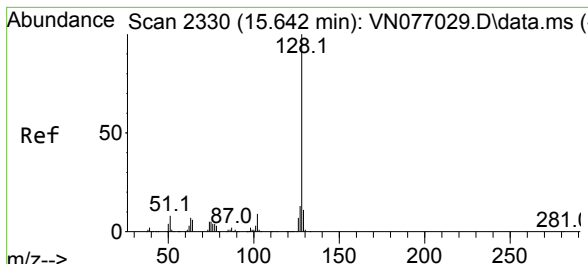
Tgt Ion:180 Resp: 78441  
Ion Ratio Lower Upper  
180 100  
182 96.4 47.3 141.9  
145 30.7 16.9 50.7



#94  
Hexachlorobutadiene  
Concen: 43.666 ug/l  
RT: 15.501 min Scan# 2306  
Delta R.T. -0.006 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Tgt Ion:225 Resp: 37427  
Ion Ratio Lower Upper  
225 100  
223 65.2 31.6 95.0  
227 62.0 31.3 93.8

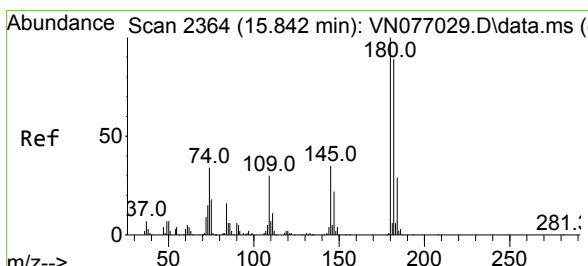
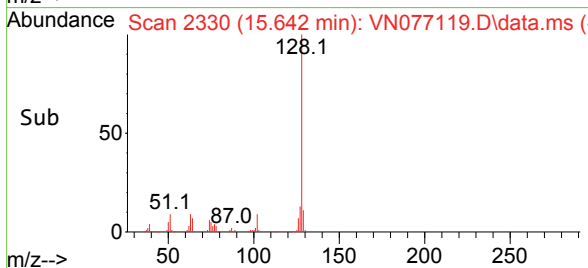
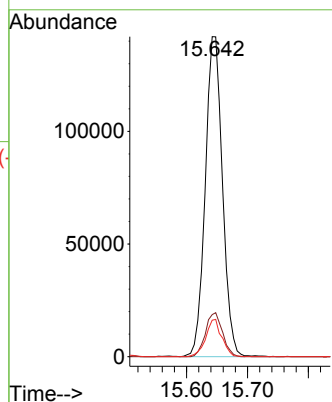
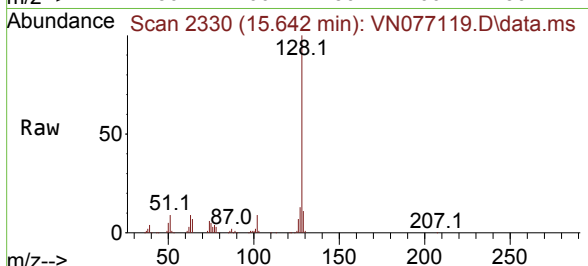




#95  
Naphthalene  
Concen: 46.321 ug/l  
RT: 15.642 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

Instrument :  
MSVOA\_N  
ClientSampleId :

|             |              |
|-------------|--------------|
| Tgt Ion:128 | Resp: 279268 |
| Ion Ratio   | Lower Upper  |
| 128 100     |              |
| 127 13.5    | 10.0 15.0    |
| 129 10.9    | 8.6 13.0     |



#96  
1,2,3-Trichlorobenzene  
Concen: 51.065 ug/l  
RT: 15.848 min Scan# 2365  
Delta R.T. 0.006 min  
Lab File: VN077119.D  
Acq: 22 Mar 2023 20:53

|             |             |
|-------------|-------------|
| Tgt Ion:180 | Resp: 79746 |
| Ion Ratio   | Lower Upper |
| 180 100     |             |
| 182 94.2    | 47.4 142.2  |
| 145 32.3    | 17.9 53.8   |

