

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120922\  
 Data File : VN075668.D  
 Acq On : 09 Dec 2022 14:33  
 Operator : JC\MD  
 Sample : VSTDIC075  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 12 08:19:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120922W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 12 07:54:35 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                        |        |       |          |          |             |          |
| Internal Standards           |        |       |          |          |             |          |
| 1) Pentafluorobenzene        | 8.230  | 168   | 221613   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106  | 114   | 356208   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5         | 11.871 | 117   | 326774   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 173392   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds  |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4    | 8.582  | 65    | 183200   | 77.912   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 155.820%# |          |
| 35) Dibromofluoromethane     | 8.171  | 113   | 167821   | 77.220   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 154.440%# |          |
| 50) Toluene-d8               | 10.571 | 98    | 658974   | 80.741   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 161.480%# |          |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 232686   | 83.385   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 166.760%# |          |
| Target Compounds             |        |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.136  | 85    | 119194   | 73.128   | ug/l        | 98       |
| 3) Chloromethane             | 2.371  | 50    | 137903   | 71.012   | ug/l        | 96       |
| 4) Vinyl Chloride            | 2.524  | 62    | 178431   | 74.801   | ug/l        | 100      |
| 5) Bromomethane              | 2.930  | 94    | 156042   | 76.806   | ug/l        | 98       |
| 6) Chloroethane              | 3.112  | 64    | 135131   | 75.924   | ug/l        | 99       |
| 7) Trichlorofluoromethane    | 3.500  | 101   | 263584   | 76.159   | ug/l        | 99       |
| 8) Diethyl Ether             | 3.971  | 74    | 98938    | 78.194   | ug/l        | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.383  | 101   | 152740   | 75.198   | ug/l        | 98       |
| 10) Methyl Iodide            | 4.595  | 142   | 257938   | 77.711   | ug/l        | 99       |
| 11) Tert butyl alcohol       | 5.542  | 59    | 135894   | 390.659  | ug/l        | 98       |
| 12) 1,1-Dichloroethene       | 4.347  | 96    | 148590   | 78.267   | ug/l        | 97       |
| 13) Acrolein                 | 4.189  | 56    | 155663   | 388.544  | ug/l        | 99       |
| 14) Allyl chloride           | 5.036  | 41    | 171561   | 72.566   | ug/l        | 98       |
| 15) Acrylonitrile            | 5.730  | 53    | 354623   | 394.673  | ug/l        | 100      |
| 16) Acetone                  | 4.436  | 43    | 282311   | 354.526  | ug/l        | 99       |
| 17) Carbon Disulfide         | 4.718  | 76    | 384586   | 76.556   | ug/l        | 99       |
| 18) Methyl Acetate           | 5.030  | 43    | 182411   | 71.288   | ug/l        | 100      |
| 19) Methyl tert-butyl Ether  | 5.806  | 73    | 514736   | 80.600   | ug/l        | 99       |
| 20) Methylene Chloride       | 5.289  | 84    | 169006   | 71.194   | ug/l        | 98       |
| 21) trans-1,2-Dichloroethene | 5.794  | 96    | 164170   | 77.380   | ug/l        | 96       |
| 22) Diisopropyl ether        | 6.677  | 45    | 436055   | 81.062   | ug/l        | 98       |
| 23) Vinyl Acetate            | 6.612  | 43    | 1532450  | 373.599  | ug/l        | 99       |
| 24) 1,1-Dichloroethane       | 6.577  | 63    | 280215   | 79.136   | ug/l        | 99       |
| 25) 2-Butanone               | 7.488  | 43    | 447332   | 384.278  | ug/l        | 98       |
| 26) 2,2-Dichloropropane      | 7.494  | 77    | 239943   | 79.453   | ug/l        | 100      |
| 27) cis-1,2-Dichloroethene   | 7.494  | 96    | 195216   | 75.792   | ug/l        | 98       |
| 28) Bromochloromethane       | 7.818  | 49    | 115814   | 81.804   | ug/l        | 99       |
| 29) Tetrahydrofuran          | 7.841  | 42    | 293277   | 408.745  | ug/l        | 99       |
| 30) Chloroform               | 7.971  | 83    | 311081   | 79.316   | ug/l        | 99       |
| 31) Cyclohexane              | 8.265  | 56    | 247026   | 70.956   | ug/l        | 99       |
| 32) 1,1,1-Trichloroethane    | 8.177  | 97    | 293056   | 80.990   | ug/l        | 97       |
| 36) 1,1-Dichloropropene      | 8.377  | 75    | 231126   | 80.091   | ug/l        | 99       |
| 37) Ethyl Acetate            | 7.571  | 43    | 178505   | 77.043   | ug/l        | 96       |
| 38) Carbon Tetrachloride     | 8.365  | 117   | 262813   | 78.922   | ug/l        | 99       |
| 39) Methylcyclohexane        | 9.606  | 83    | 302648   | 82.707   | ug/l        | 97       |
| 40) Benzene                  | 8.612  | 78    | 689495   | 77.854   | ug/l        | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120922\  
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 Acq On : 09 Dec 2022 14:33  
 Operator : JC\MD  
 Sample : VSTDIC075  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 12 08:19:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120922W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 12 07:54:35 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 100495   | 84.589   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 226265   | 76.374   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.694  | 43   | 315180   | 81.483   | ug/l   | 99       |
| 44) Trichloroethene           | 9.353  | 130  | 193687   | 77.523   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 165207   | 78.433   | ug/l   | 97       |
| 46) Dibromomethane            | 9.712  | 93   | 127215   | 80.445   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.888  | 83   | 250804   | 80.889   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.682  | 41   | 147996   | 83.074   | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 72859    | 1682.456 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 967106   | 405.477  | ug/l   | 99       |
| 52) Toluene                   | 10.635 | 92   | 474106   | 80.992   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 270593   | 88.364   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 286809   | 84.183   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 182105   | 79.122   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 269621   | 86.454   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 298434   | 80.222   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 410755   | 446.082  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.200 | 43   | 723582   | 417.573  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.359 | 129  | 214222   | 84.584   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 191610   | 79.461   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 173244   | 72.785   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.894 | 112  | 521920   | 77.627   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 197668   | 80.807   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 934765   | 82.184   | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.076 | 106  | 743332   | 161.741  | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 366310   | 82.137   | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 609939   | 85.273   | ug/l   | 100      |
| 71) Bromoform                 | 12.582 | 173  | 161069   | 86.868   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.700 | 105  | 963001   | 77.350   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 306679   | 84.779   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 268451   | 71.781   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 331211   | 95.117   | ug/l   | 74       |
| 77) Bromobenzene              | 12.982 | 156  | 234942   | 75.040   | ug/l   | 99       |
| 78) n-propylbenzene           | 13.041 | 91   | 1110107  | 80.355   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 647507   | 75.918   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 838214   | 80.530   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 82686    | 75.896   | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 13.129 | 91   | 647507   | 75.918   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.441 | 119  | 735758   | 77.948   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 839219   | 80.220   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.617 | 105  | 1062646  | 81.890   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 910022   | 83.814   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 451362   | 77.087   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 449431   | 75.461   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 759062   | 87.224   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 157061   | 84.451   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 441667   | 75.805   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 50870    | 82.777   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 239908   | 85.765   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 123803   | 78.006   | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 710133   | 85.895   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 229279   | 83.416   | ug/l   | 98       |

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Data File : VN075668.D  
Acq On : 09 Dec 2022 14:33  
Operator : JC\MD  
Sample : VSTDIC075  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

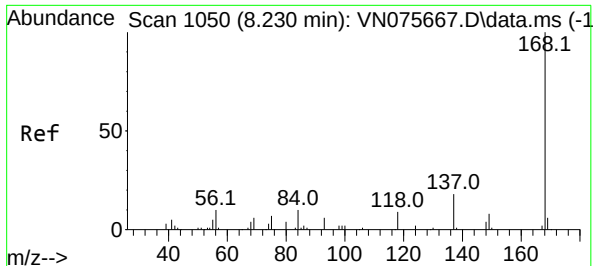
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Dec 12 08:19:31 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120922W.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 12 07:54:35 2022  
Response via : Initial Calibration

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

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

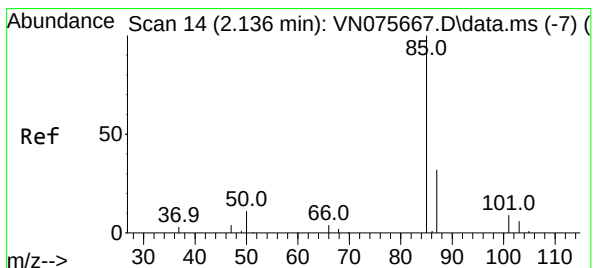
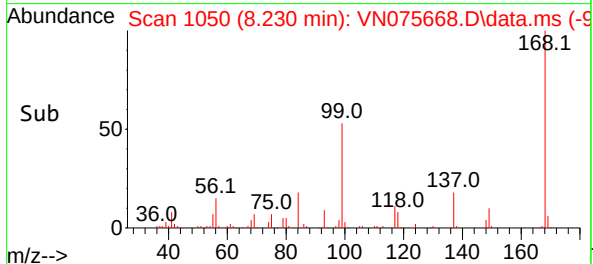
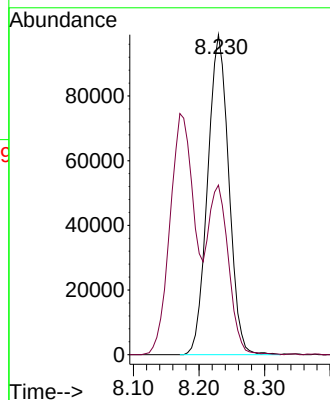
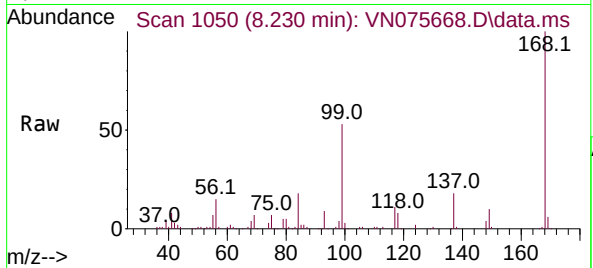




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

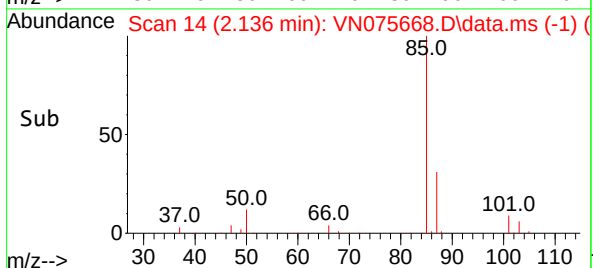
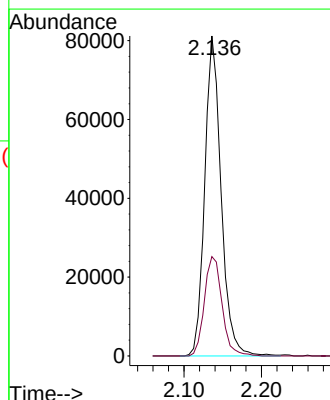
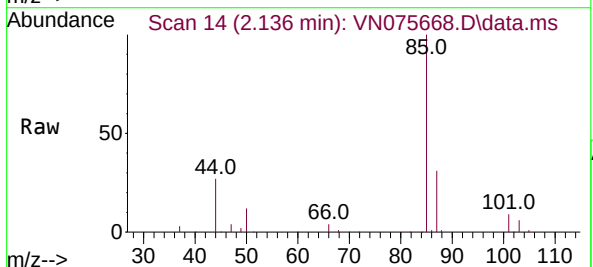
Instrument :  
MSVOA\_N  
ClientSampleId :

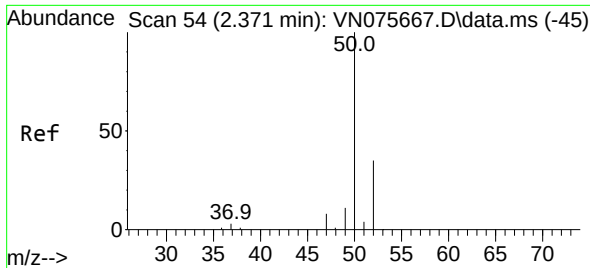
Tgt Ion:168 Resp: 221613  
Ion Ratio Lower Upper  
168 100  
99 52.8 41.2 61.8



#2  
Dichlorodifluoromethane  
Concen: 73.128 ug/l  
RT: 2.136 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 85 Resp: 119194  
Ion Ratio Lower Upper  
85 100  
87 31.1 16.1 48.2

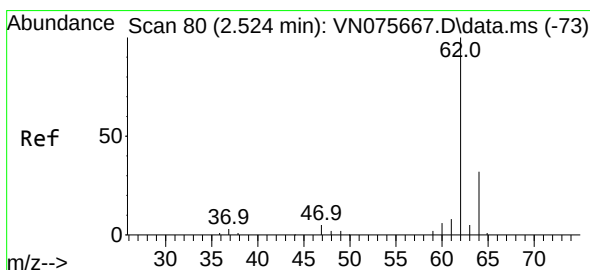
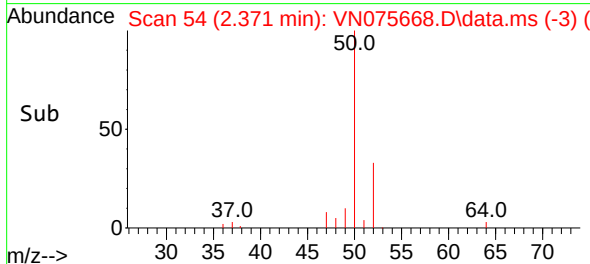
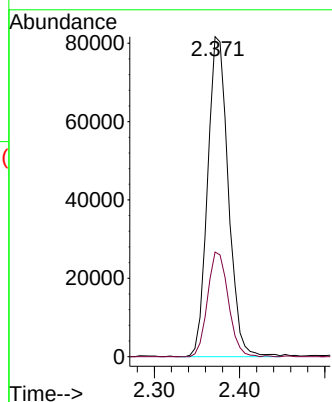
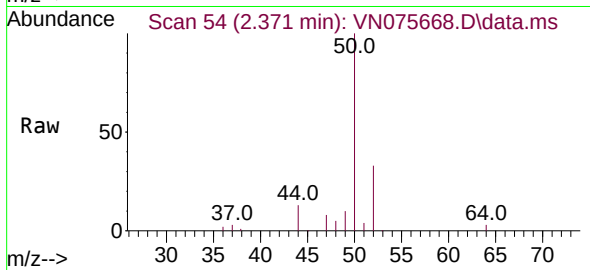




#3  
Chloromethane  
Concen: 71.012 ug/l  
RT: 2.371 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

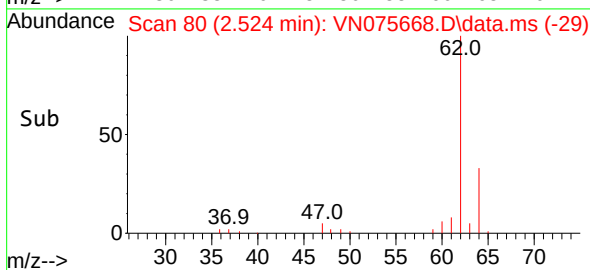
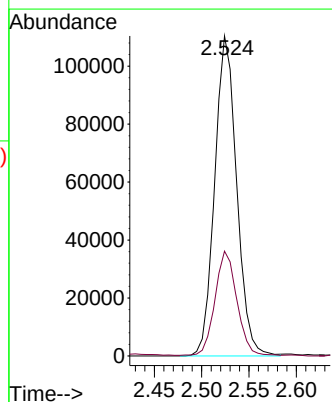
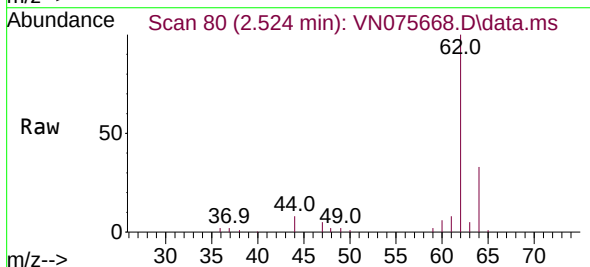
Instrument :  
MSVOA\_N  
ClientSampleId :

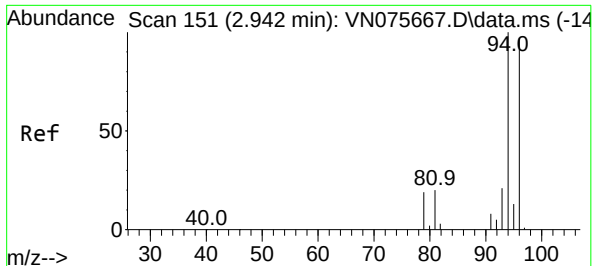
Tgt Ion: 50 Resp: 137903  
Ion Ratio Lower Upper  
50 100  
52 32.7 27.9 41.9



#4  
Vinyl Chloride  
Concen: 74.801 ug/l  
RT: 2.524 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 62 Resp: 178431  
Ion Ratio Lower Upper  
62 100  
64 32.6 25.9 38.9

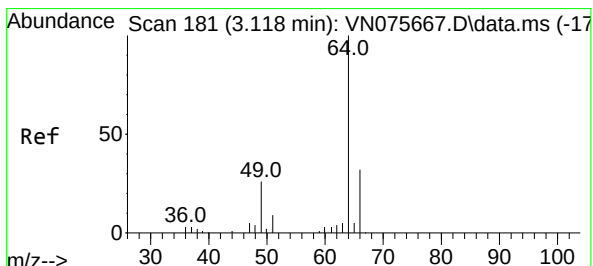
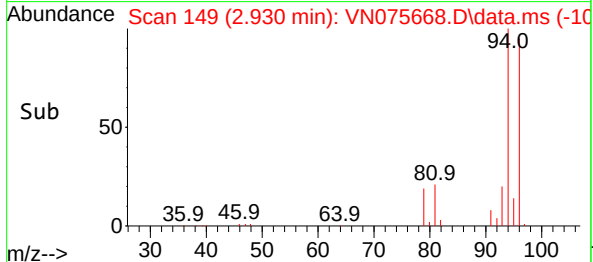
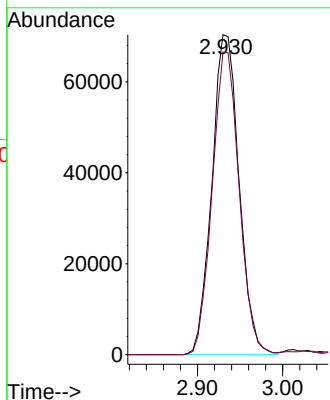
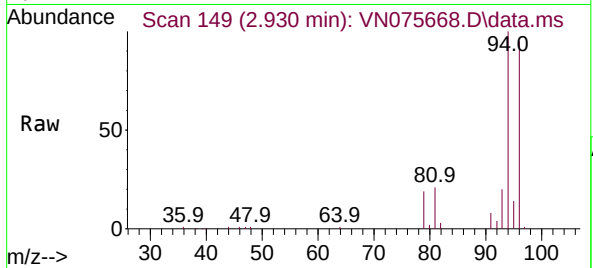




#5  
Bromomethane  
Concen: 76.806 ug/l  
RT: 2.930 min Scan# 14  
Delta R.T. -0.012 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

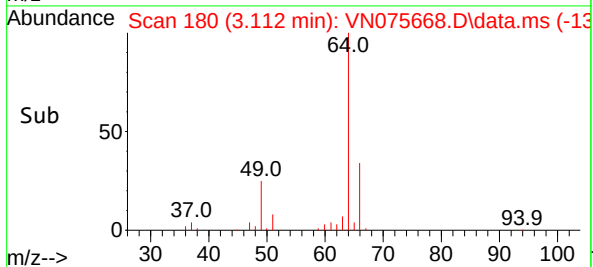
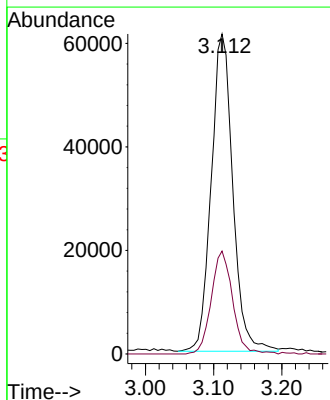
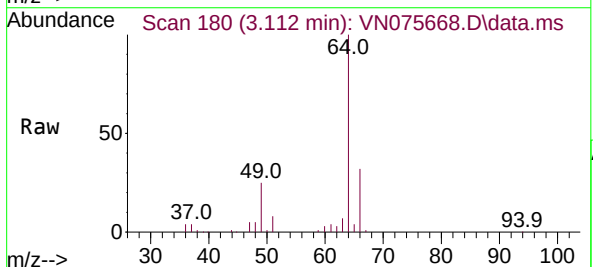
Instrument :  
MSVOA\_N  
ClientSampleId :

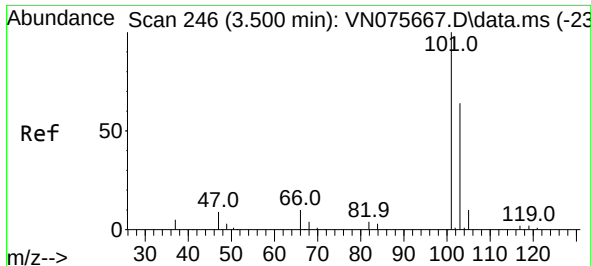
Tgt Ion: 94 Resp: 156042  
Ion Ratio Lower Upper  
94 100  
96 94.6 77.6 116.4



#6  
Chloroethane  
Concen: 75.924 ug/l  
RT: 3.112 min Scan# 180  
Delta R.T. -0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 64 Resp: 135131  
Ion Ratio Lower Upper  
64 100  
66 32.4 25.7 38.5

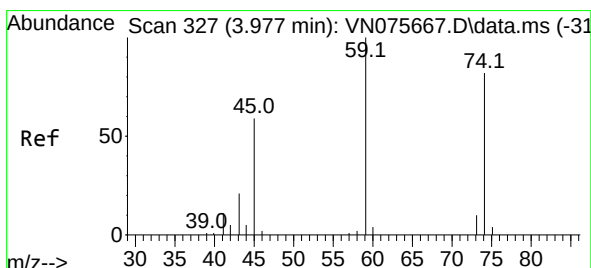
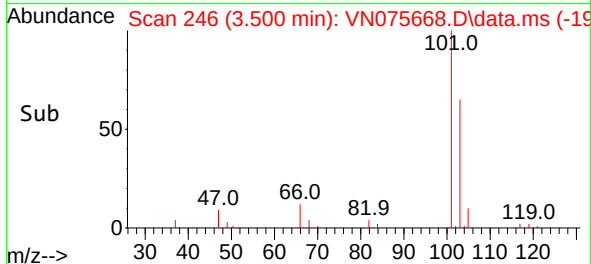
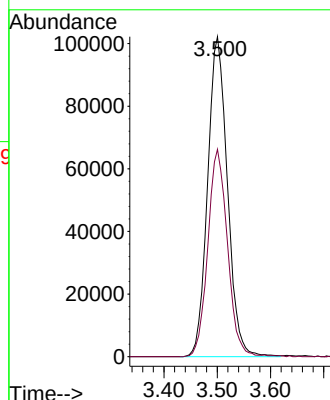
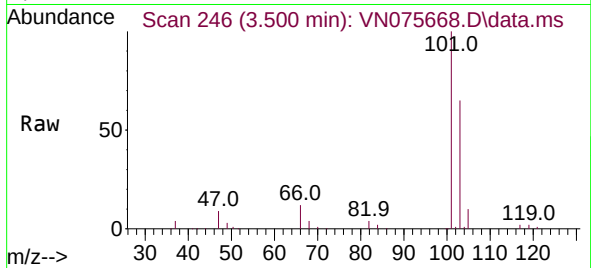




#7  
 Trichlorofluoromethane  
 Concen: 76.159 ug/l  
 RT: 3.500 min Scan# 246  
 Delta R.T. 0.000 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

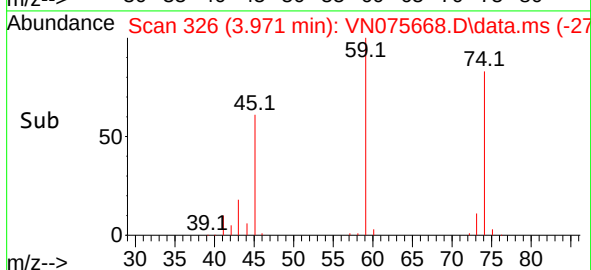
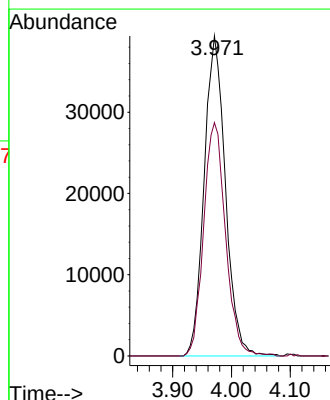
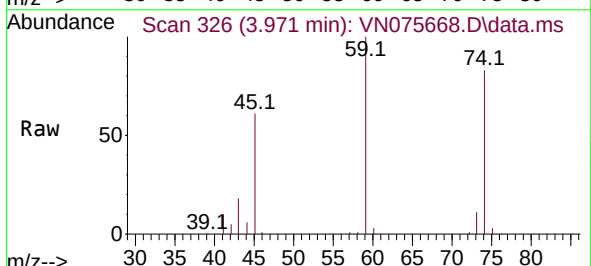
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion:101 Resp: 263584  
 Ion Ratio Lower Upper  
 101 100  
 103 64.8 51.4 77.2

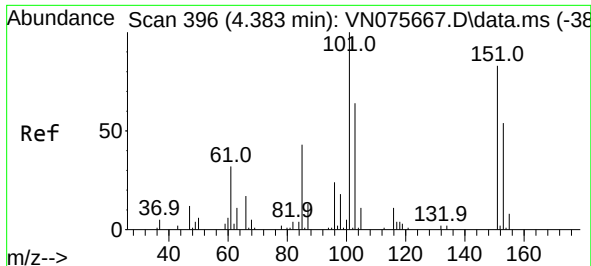


#8  
 Diethyl Ether  
 Concen: 78.194 ug/l  
 RT: 3.971 min Scan# 326  
 Delta R.T. -0.006 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

Tgt Ion: 74 Resp: 98938  
 Ion Ratio Lower Upper  
 74 100  
 45 75.2 36.8 110.4



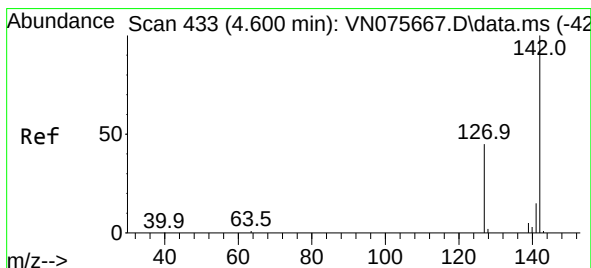
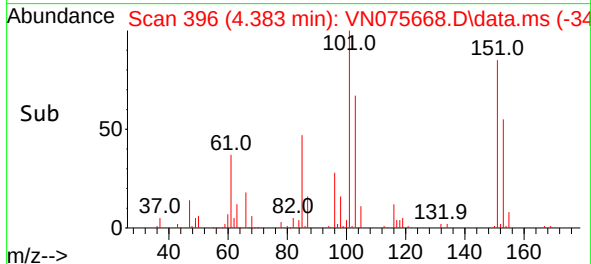
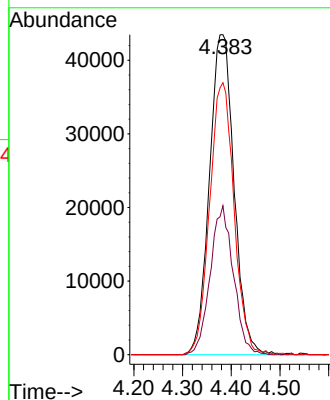
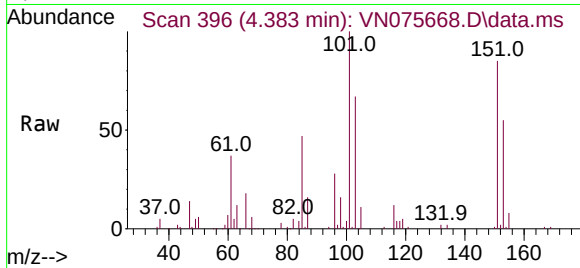




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 75.198 ug/l  
 RT: 4.383 min Scan# 396  
 Delta R.T. 0.000 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

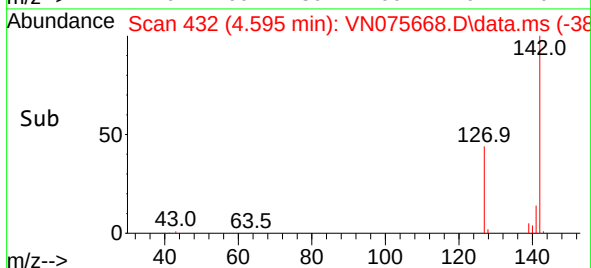
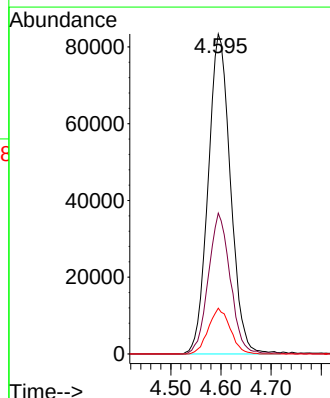
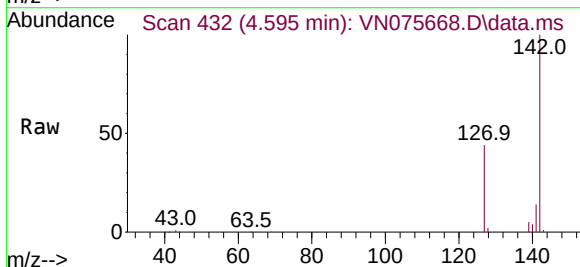
Instrument :  
 MSVOA\_N  
 ClientSampleId :

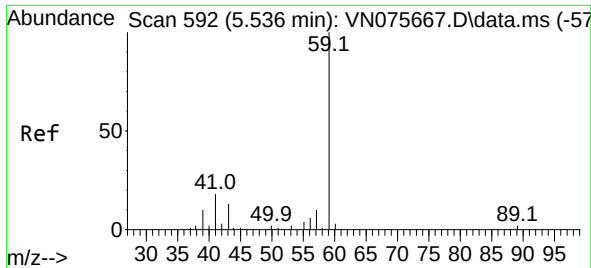
Tgt Ion:101 Resp: 152740  
 Ion Ratio Lower Upper  
 101 100  
 85 43.7 35.3 52.9  
 151 84.1 65.6 98.4



#10  
 Methyl Iodide  
 Concen: 77.711 ug/l  
 RT: 4.595 min Scan# 432  
 Delta R.T. -0.006 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

Tgt Ion:142 Resp: 257938  
 Ion Ratio Lower Upper  
 142 100  
 127 43.2 35.0 52.4  
 141 14.0 11.4 17.2

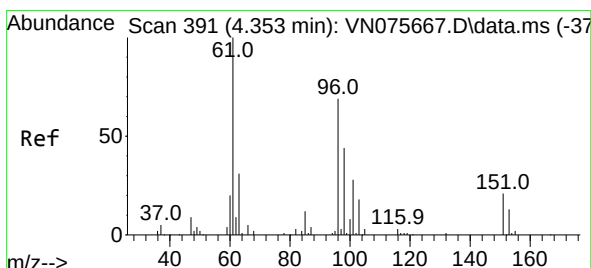
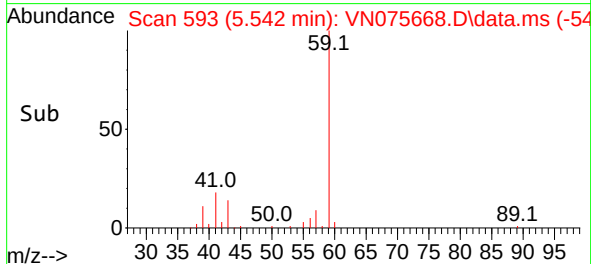
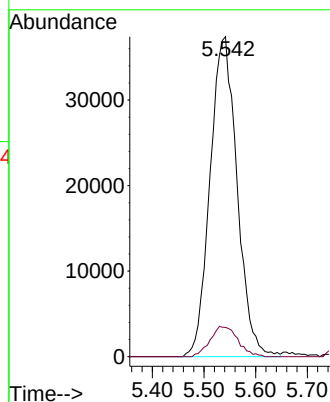
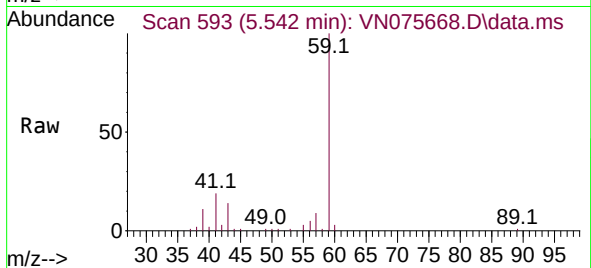




#11  
Tert butyl alcohol  
Concen: 390.659 ug/l  
RT: 5.542 min Scan# 59  
Delta R.T. 0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

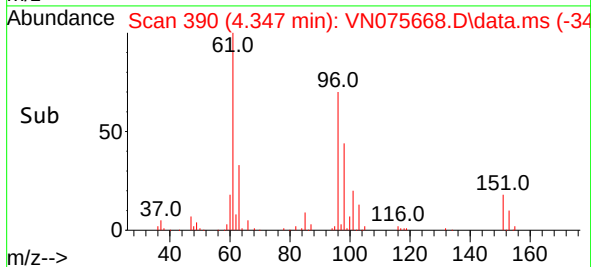
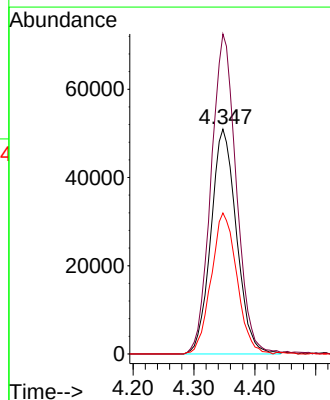
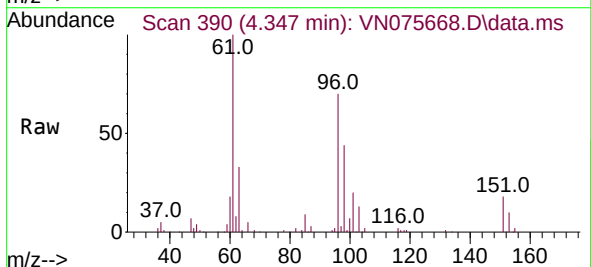
Instrument :  
MSVOA\_N  
ClientSampleId :

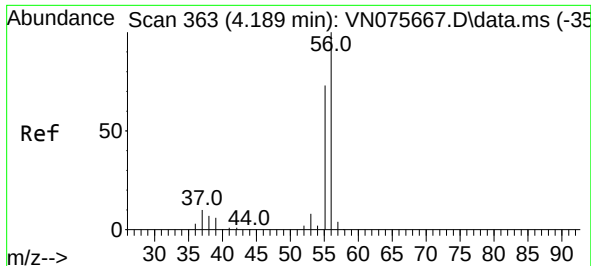
Tgt Ion: 59 Resp: 135894  
Ion Ratio Lower Upper  
59 100  
57 9.7 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 78.267 ug/l  
RT: 4.347 min Scan# 390  
Delta R.T. -0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 96 Resp: 148590  
Ion Ratio Lower Upper  
96 100  
61 142.3 116.8 175.2  
98 62.7 51.6 77.4

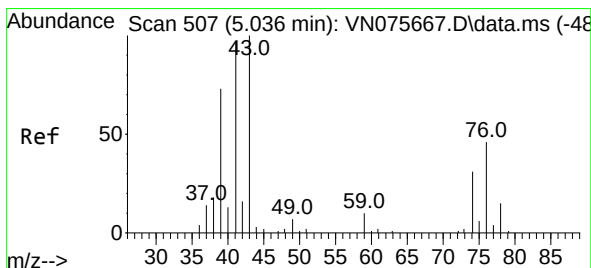
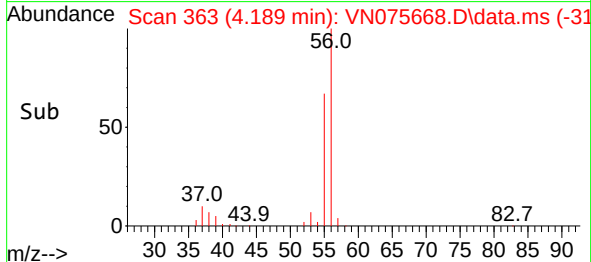
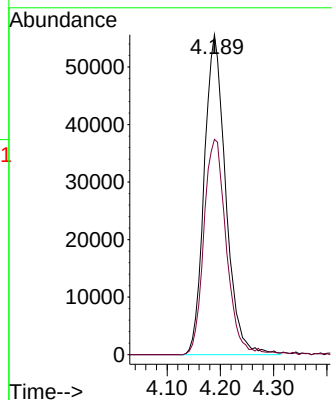
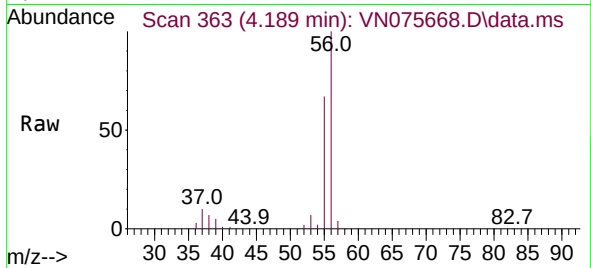




#13  
Acrolein  
Concen: 388.544 ug/l  
RT: 4.189 min Scan# 363  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

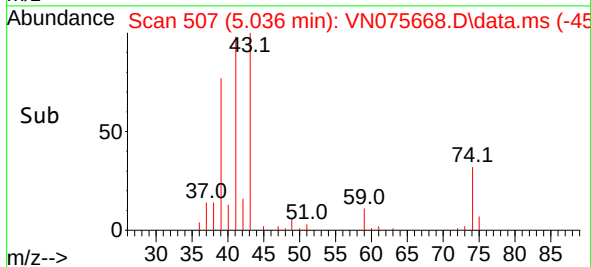
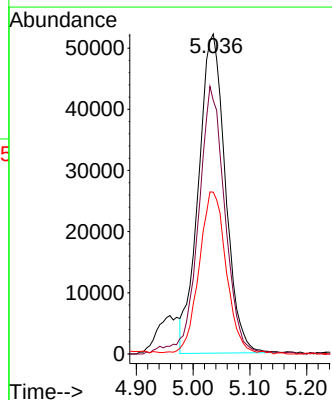
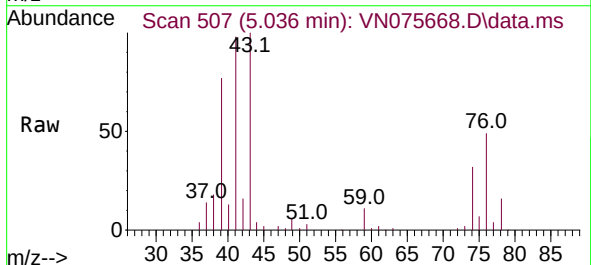
Instrument :  
MSVOA\_N  
ClientSampleId :

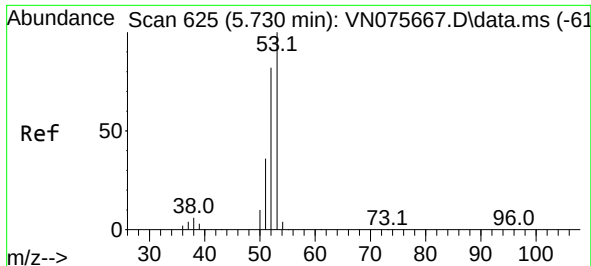
Tgt Ion: 56 Resp: 155663  
Ion Ratio Lower Upper  
56 100  
55 70.8 55.7 83.5



#14  
Allyl chloride  
Concen: 72.566 ug/l  
RT: 5.036 min Scan# 507  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 41 Resp: 171561  
Ion Ratio Lower Upper  
41 100  
39 83.2 64.6 96.8  
76 51.5 40.9 61.3

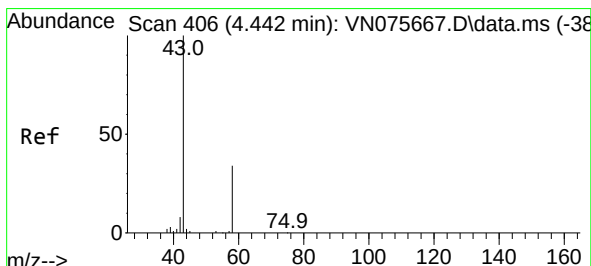
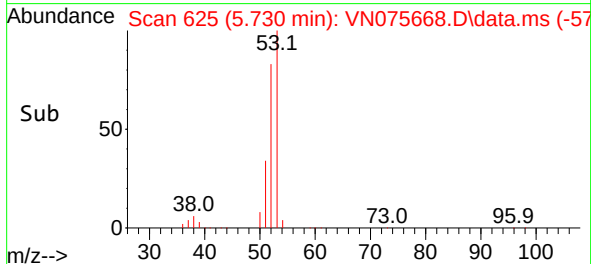
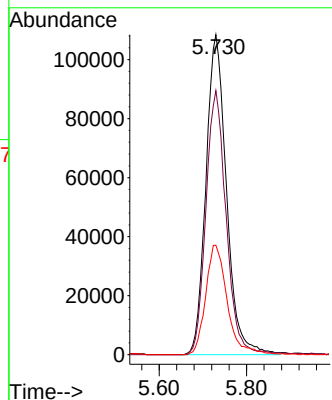
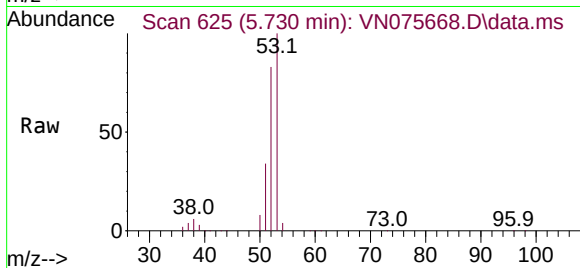




#15  
Acrylonitrile  
Concen: 394.673 ug/l  
RT: 5.730 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

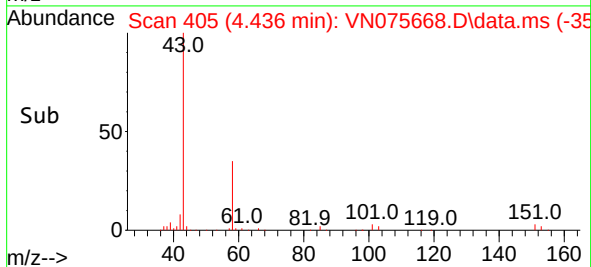
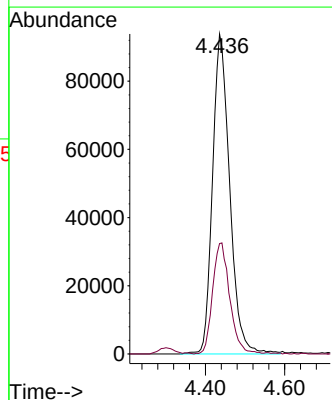
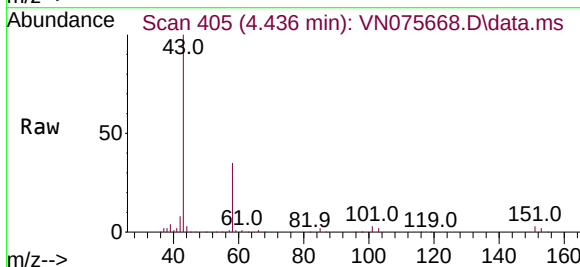
Instrument :  
MSVOA\_N  
ClientSampleId :

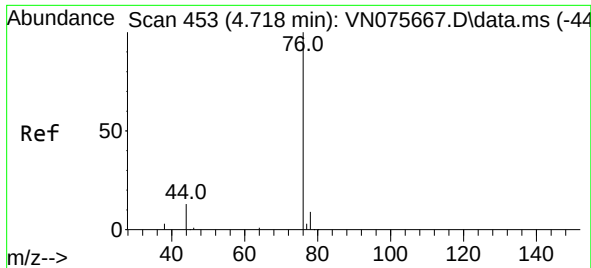
Tgt Ion: 53 Resp: 354623  
Ion Ratio Lower Upper  
53 100  
52 81.5 65.0 97.4  
51 35.9 28.9 43.3



#16  
Acetone  
Concen: 354.526 ug/l  
RT: 4.436 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 43 Resp: 282311  
Ion Ratio Lower Upper  
43 100  
58 34.2 27.0 40.4

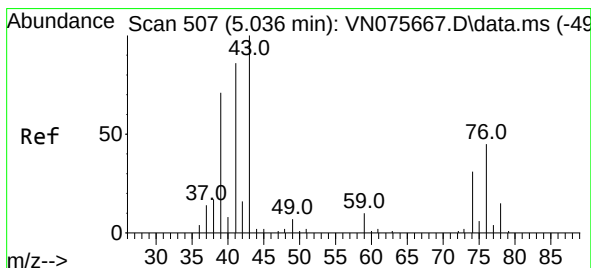
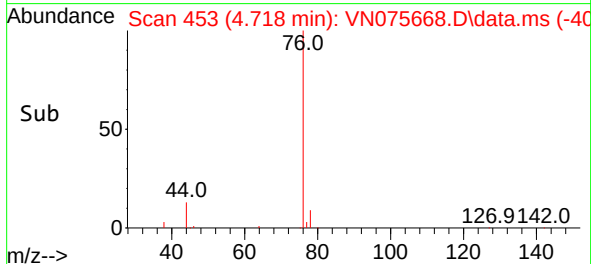
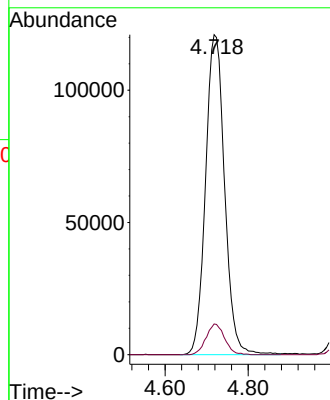
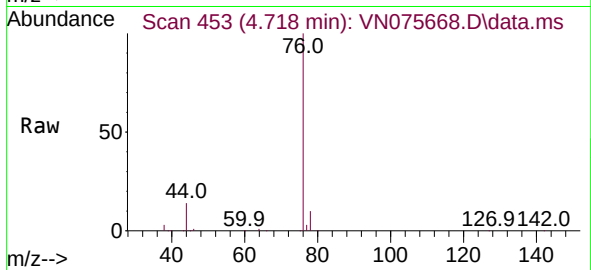




#17  
Carbon Disulfide  
Concen: 76.556 ug/l  
RT: 4.718 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

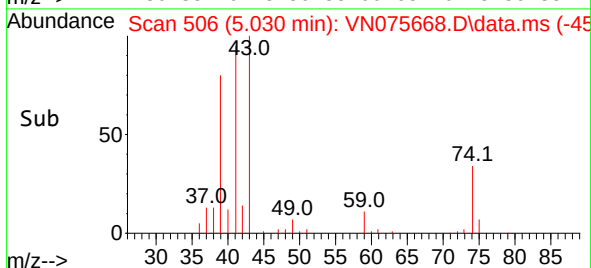
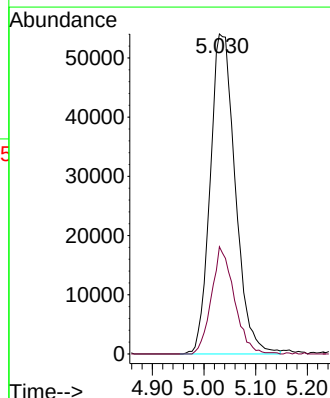
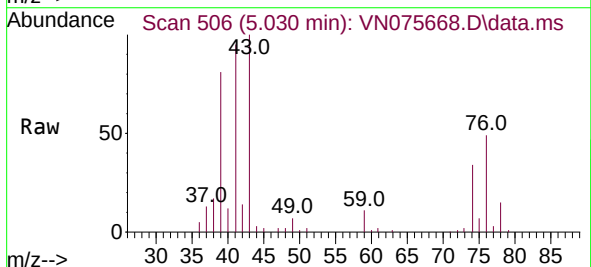
Instrument :  
MSVOA\_N  
ClientSampleId :

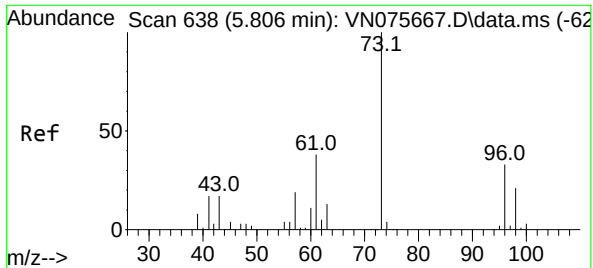
Tgt Ion: 76 Resp: 384586  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.4 11.2



#18  
Methyl Acetate  
Concen: 71.288 ug/l  
RT: 5.030 min Scan# 506  
Delta R.T. -0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 43 Resp: 182411  
Ion Ratio Lower Upper  
43 100  
74 30.4 24.5 36.7

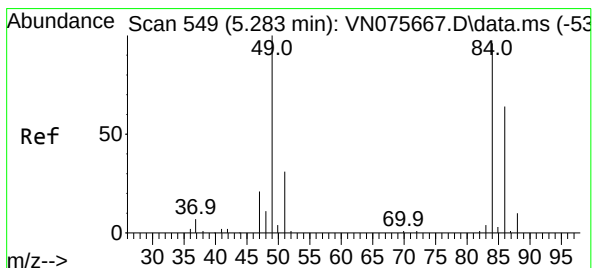
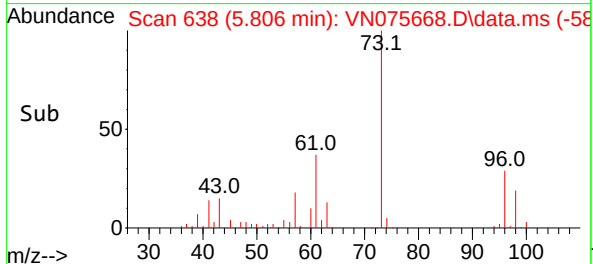
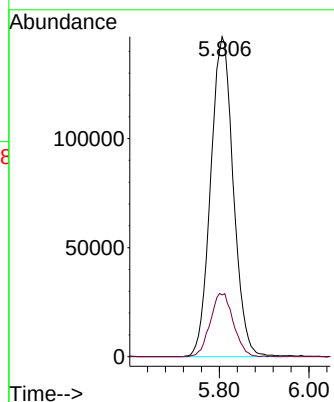
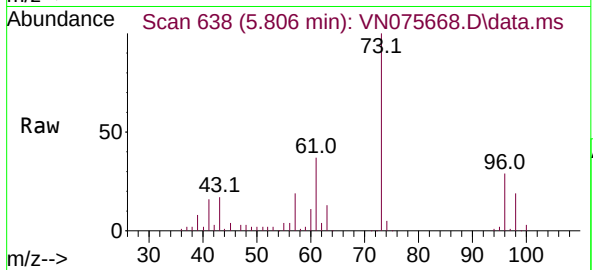




#19  
Methyl tert-butyl Ether  
Concen: 80.600 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

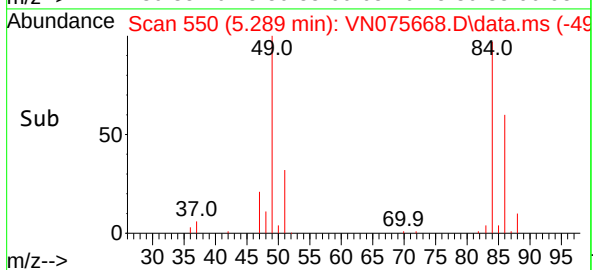
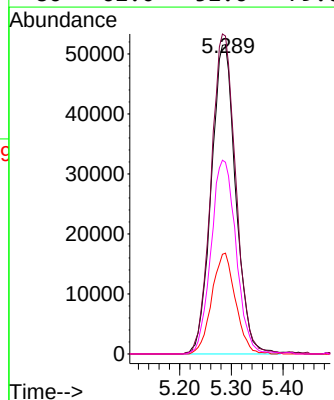
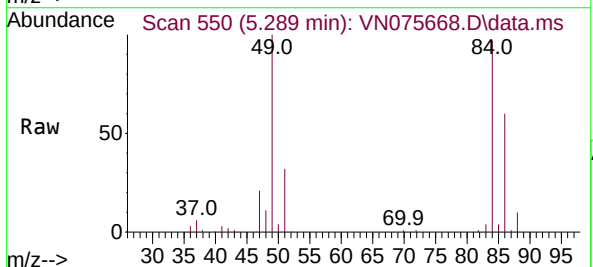
Instrument :  
MSVOA\_N  
ClientSampleId :

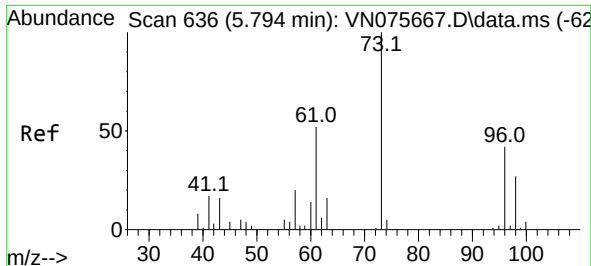
Tgt Ion: 73 Resp: 514736  
Ion Ratio Lower Upper  
73 100  
57 19.3 15.1 22.7



#20  
Methylene Chloride  
Concen: 71.194 ug/l  
RT: 5.289 min Scan# 550  
Delta R.T. 0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 84 Resp: 169006  
Ion Ratio Lower Upper  
84 100  
49 102.8 83.0 124.4  
51 32.6 26.0 39.0  
86 62.0 52.6 79.0

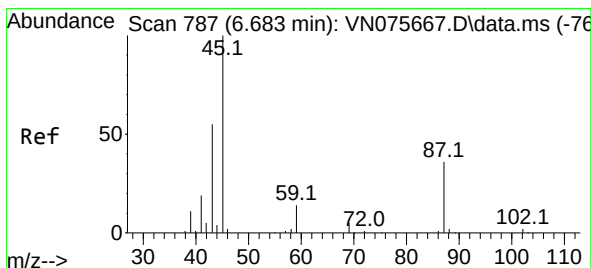
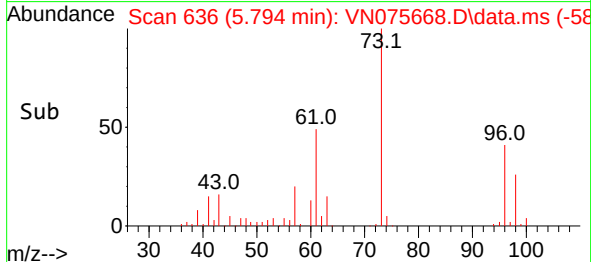
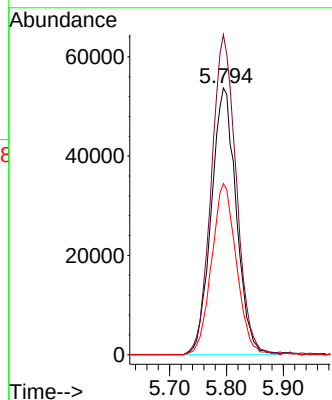
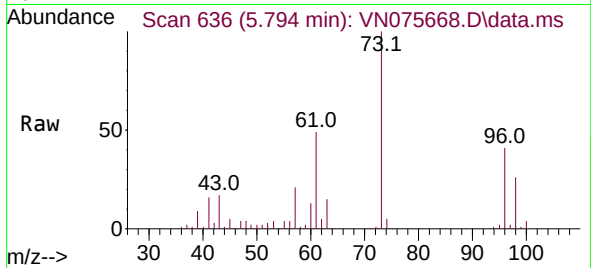




#21  
trans-1,2-Dichloroethene  
Concen: 77.380 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

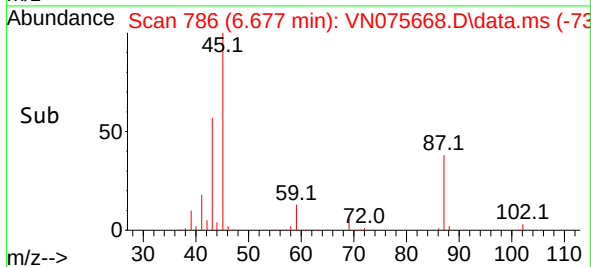
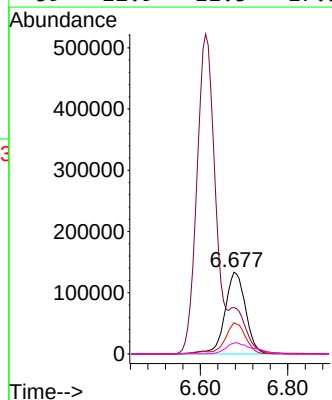
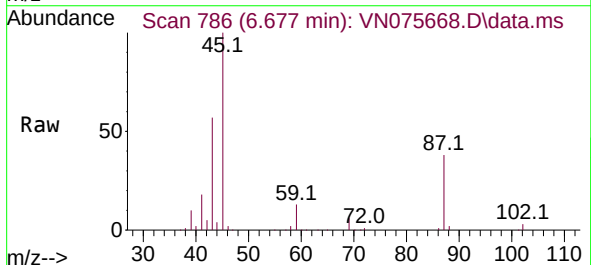
Instrument :  
MSVOA\_N  
ClientSampleId :

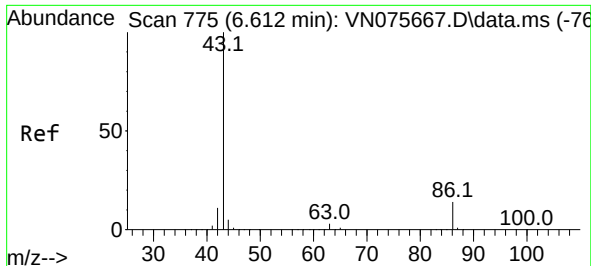
Tgt Ion: 96 Resp: 164170  
Ion Ratio Lower Upper  
96 100  
61 120.0 100.5 150.7  
98 64.1 52.7 79.1



#22  
Diisopropyl ether  
Concen: 81.062 ug/l  
RT: 6.677 min Scan# 786  
Delta R.T. -0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 45 Resp: 436055  
Ion Ratio Lower Upper  
45 100  
43 55.6 44.9 67.3  
87 38.0 28.8 43.2  
59 12.9 11.5 17.3

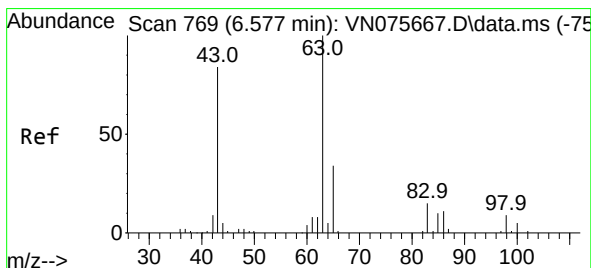
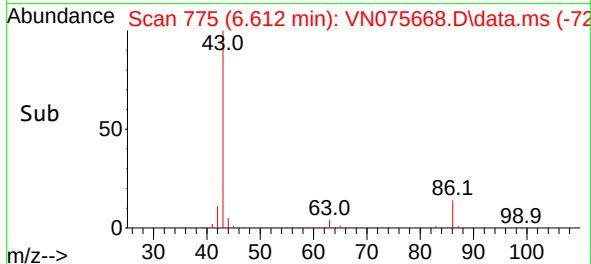
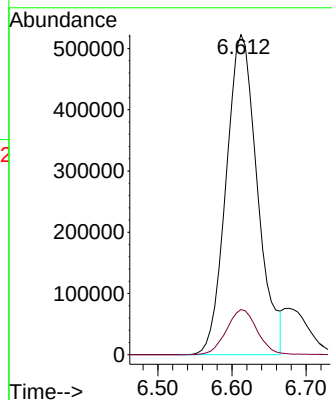
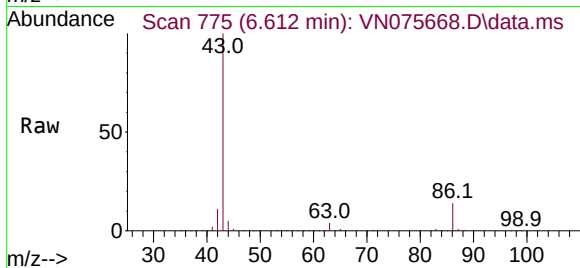




#23  
 Vinyl Acetate  
 Concen: 373.599 ug/l  
 RT: 6.612 min Scan# 775  
 Delta R.T. 0.000 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

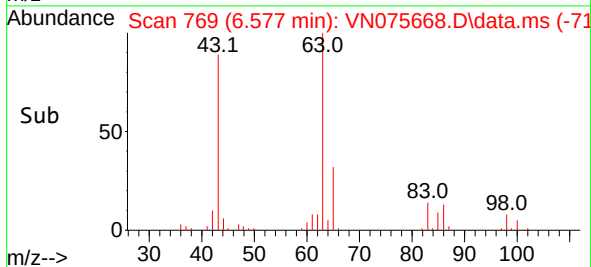
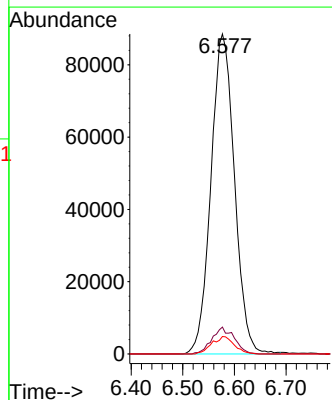
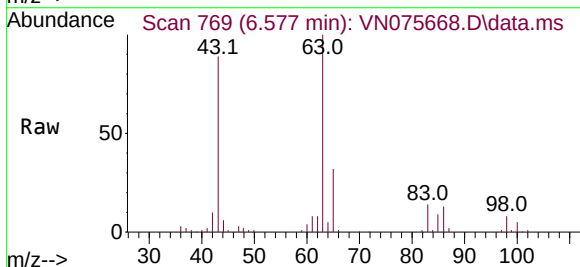
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion: 43 Resp: 1532450  
 Ion Ratio Lower Upper  
 43 100  
 86 14.1 11.5 17.3

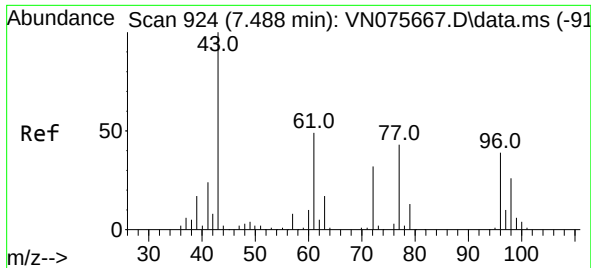


#24  
 1,1-Dichloroethane  
 Concen: 79.136 ug/l  
 RT: 6.577 min Scan# 769  
 Delta R.T. 0.000 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

Tgt Ion: 63 Resp: 280215  
 Ion Ratio Lower Upper  
 63 100  
 98 8.4 4.3 12.9  
 100 5.5 2.6 7.8



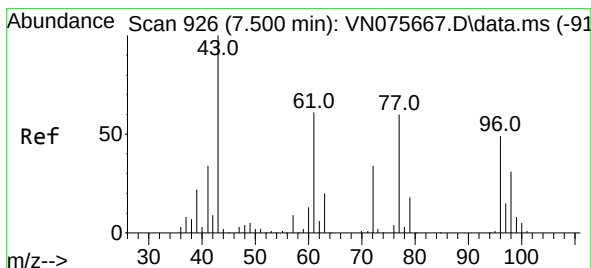
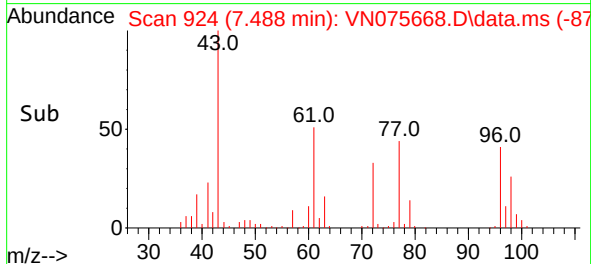
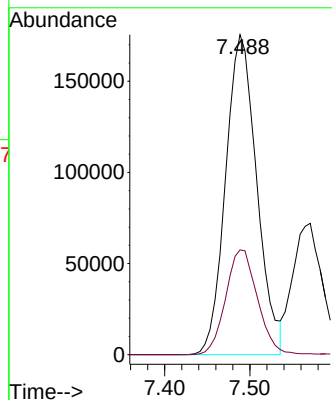
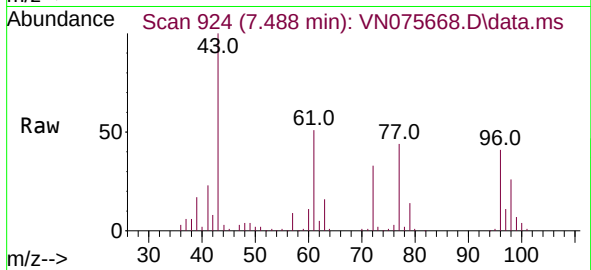




#25  
2-Butanone  
Concen: 384.278 ug/l  
RT: 7.488 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

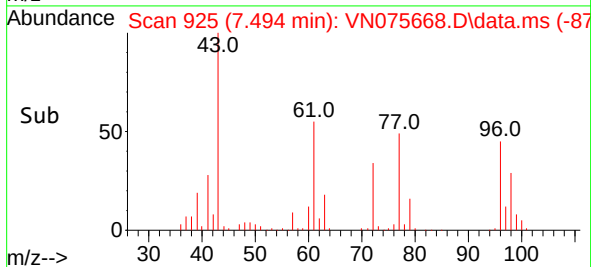
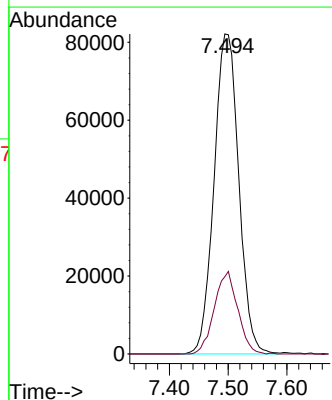
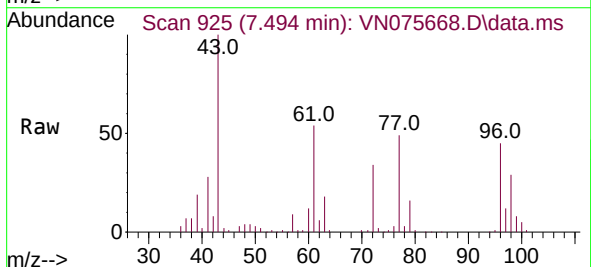
Instrument :  
MSVOA\_N  
ClientSampleId :

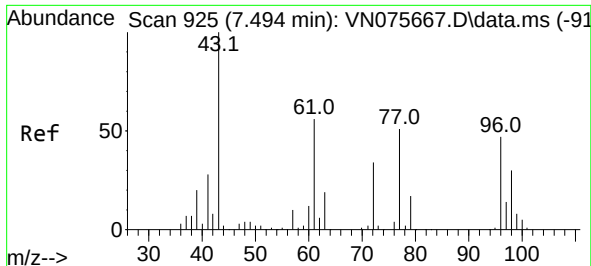
Tgt Ion: 43 Resp: 447332  
Ion Ratio Lower Upper  
43 100  
72 32.8 25.3 37.9



#26  
2,2-Dichloropropane  
Concen: 79.453 ug/l  
RT: 7.494 min Scan# 925  
Delta R.T. -0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 77 Resp: 239943  
Ion Ratio Lower Upper  
77 100  
97 24.3 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 75.792 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

ClientSampleId :

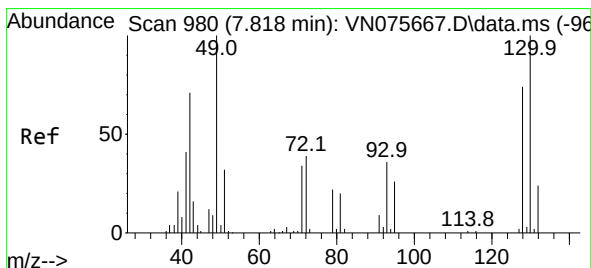
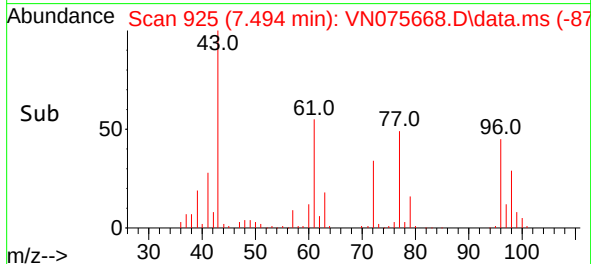
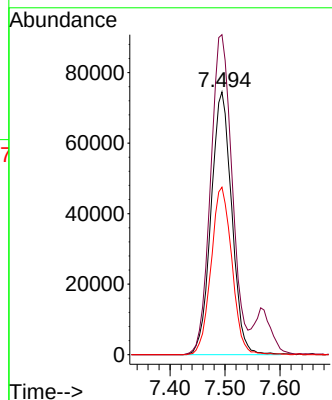
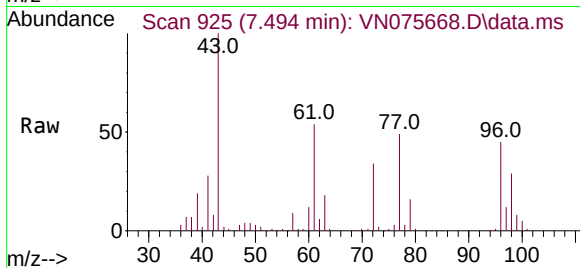
Tgt Ion: 96 Resp: 195216

Ion Ratio Lower Upper

96 100

61 126.6 0.0 247.8

98 64.0 0.0 126.0



#28

Bromochloromethane

Concen: 81.804 ug/l

RT: 7.818 min Scan# 980

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

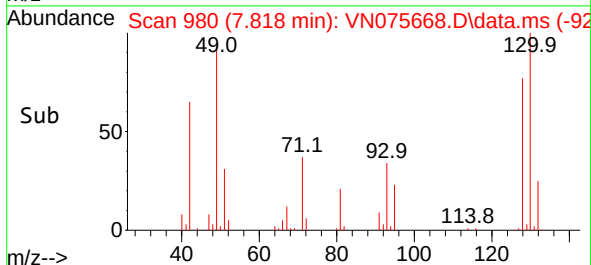
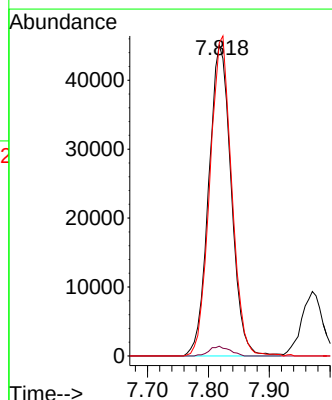
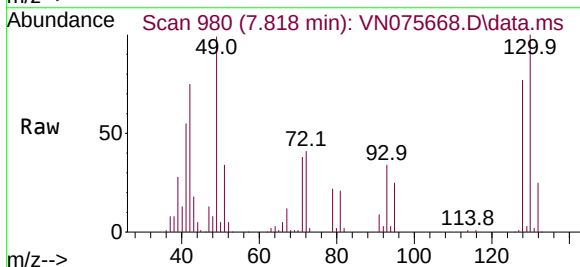
Tgt Ion: 49 Resp: 115814

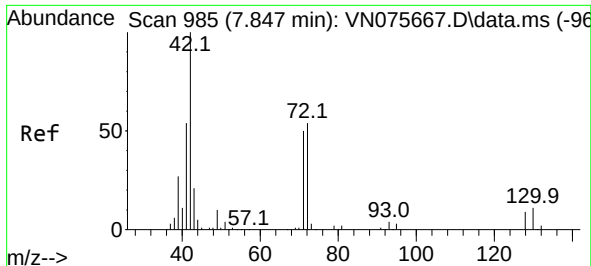
Ion Ratio Lower Upper

49 100

129 2.8 0.0 5.4

130 99.5 78.5 117.7





#29

Tetrahydrofuran

Concen: 408.745 ug/l

RT: 7.841 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

ClientSampleId :

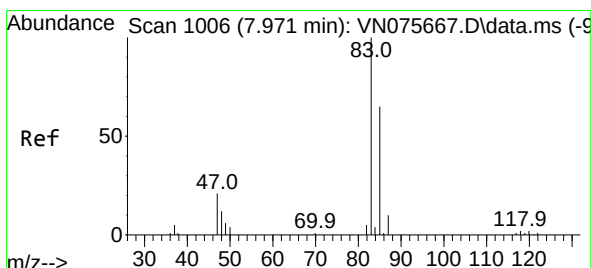
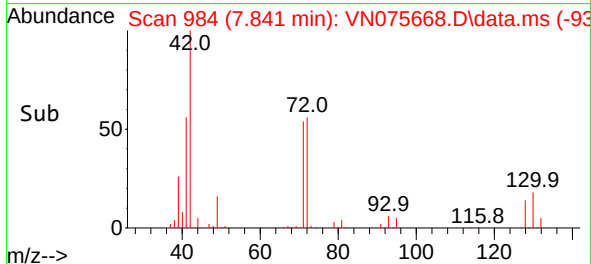
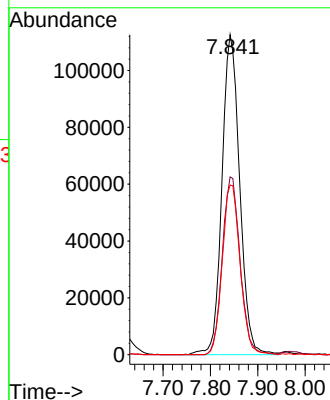
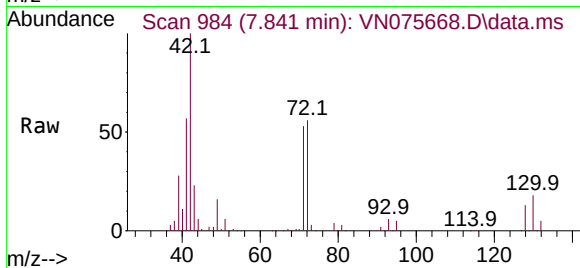
Tgt Ion: 42 Resp: 293277

Ion Ratio Lower Upper

42 100

72 55.6 44.6 67.0

71 53.2 41.2 61.8



#30

Chloroform

Concen: 79.316 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VN075668.D

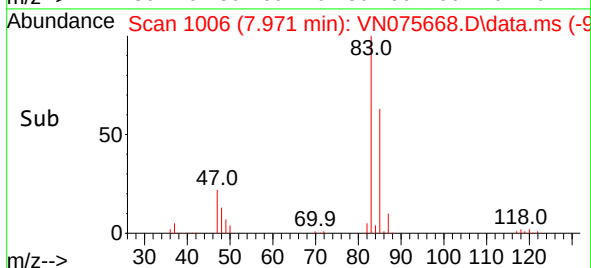
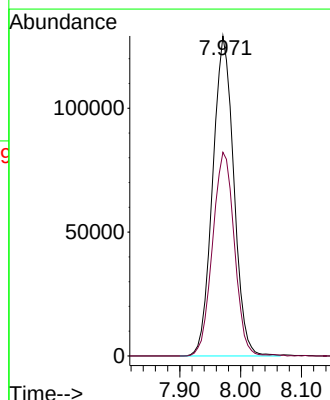
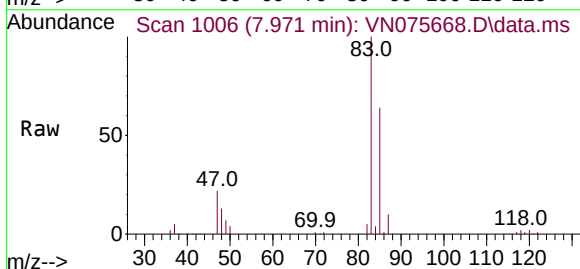
Acq: 09 Dec 2022 14:33

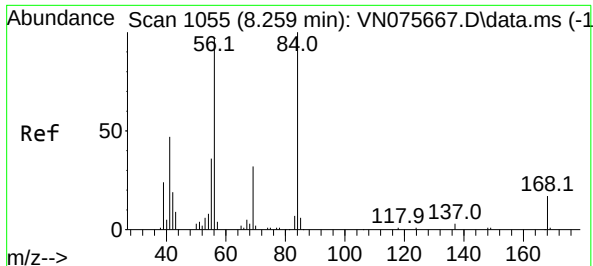
Tgt Ion: 83 Resp: 311081

Ion Ratio Lower Upper

83 100

85 63.7 51.8 77.6





#31

Cyclohexane

Concen: 70.956 ug/l

RT: 8.265 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

ClientSampleId :

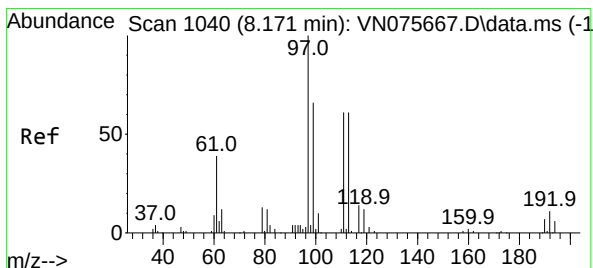
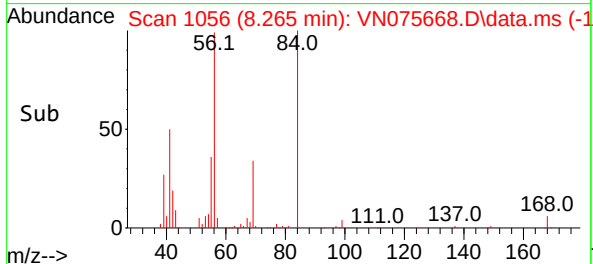
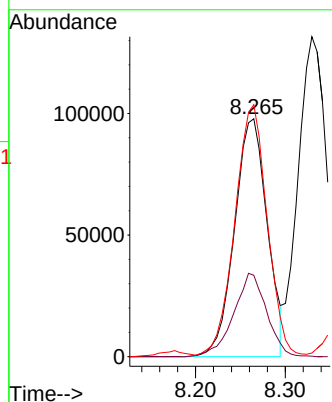
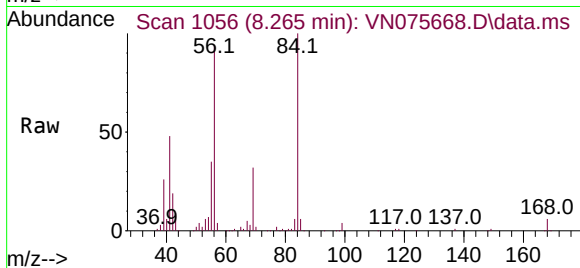
Tgt Ion: 56 Resp: 247026

Ion Ratio Lower Upper

56 100

69 34.2 26.2 39.2

84 104.2 82.8 124.2



#32

1,1,1-Trichloroethane

Concen: 80.990 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

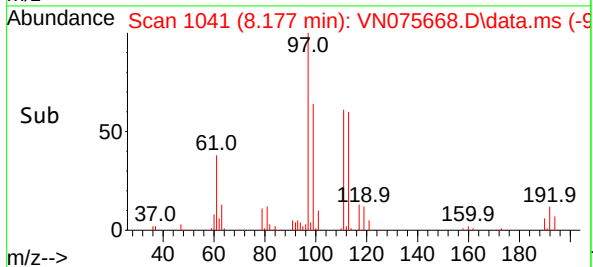
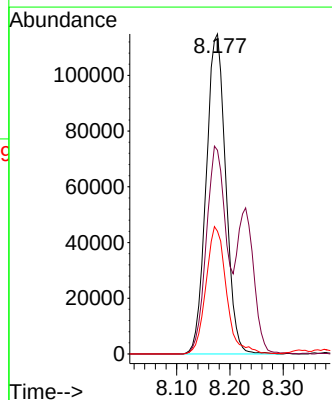
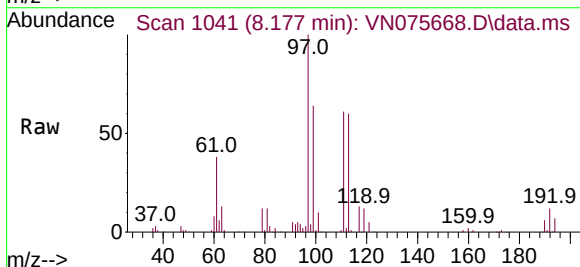
Tgt Ion: 97 Resp: 293056

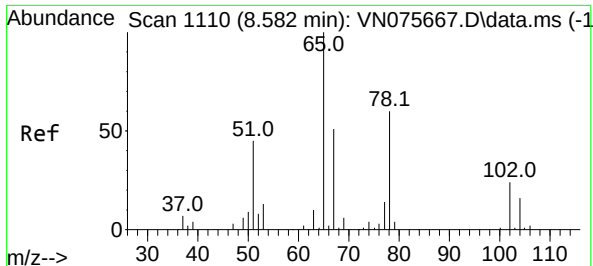
Ion Ratio Lower Upper

97 100

99 66.8 51.2 76.8

61 41.6 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 77.912 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

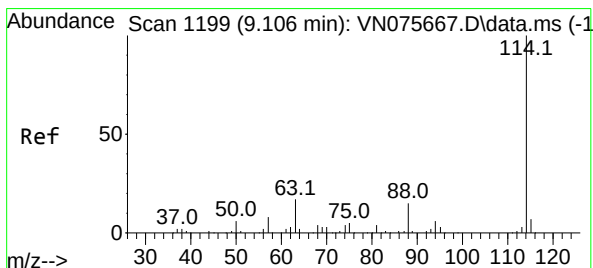
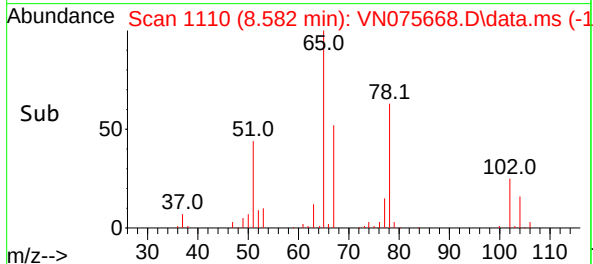
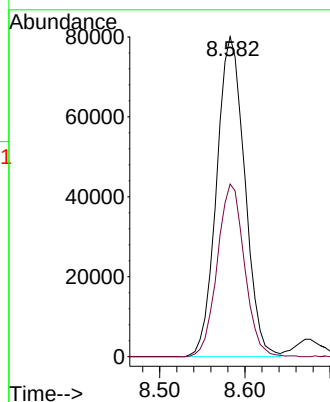
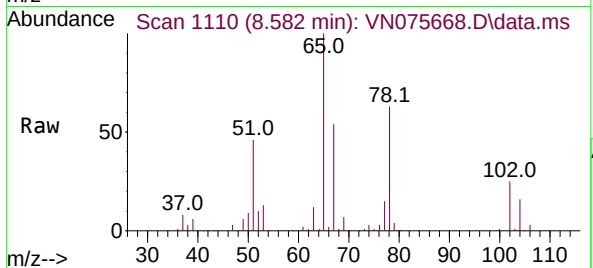
ClientSampleId :

Tgt Ion: 65 Resp: 183200

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

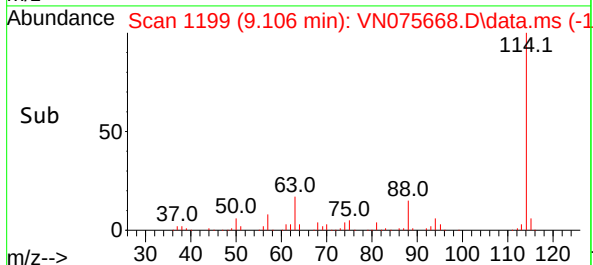
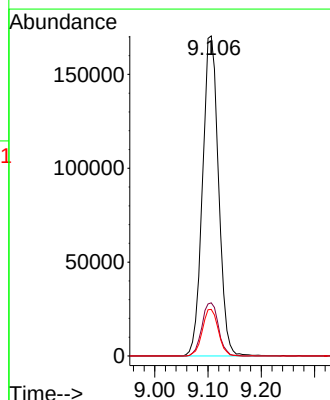
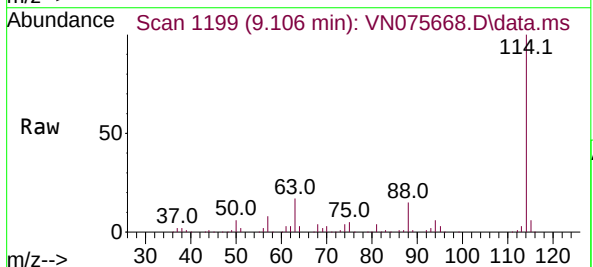
Tgt Ion: 114 Resp: 356208

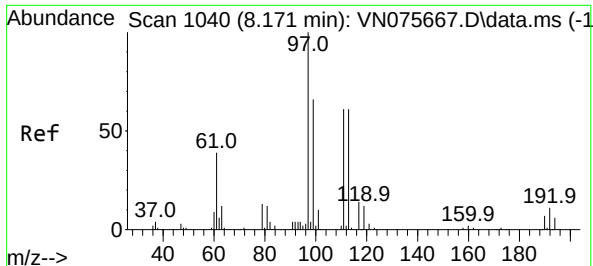
Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.4

88 14.6 0.0 29.2





#35

Dibromofluoromethane

Concen: 77.220 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

ClientSampleId :

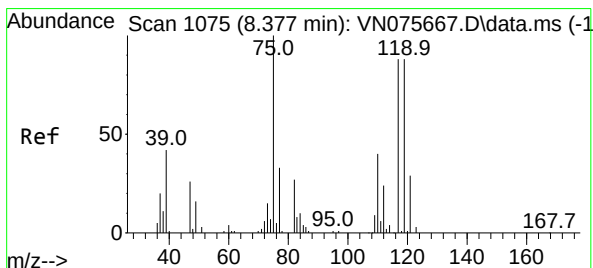
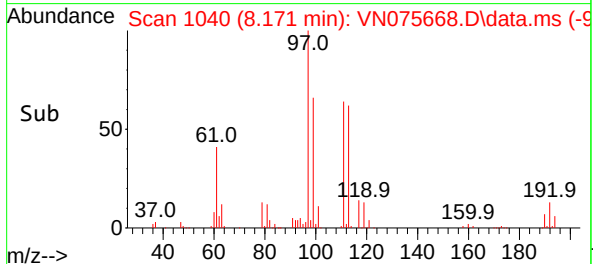
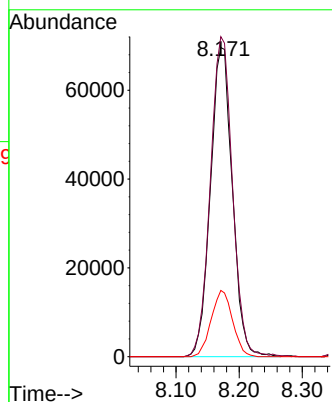
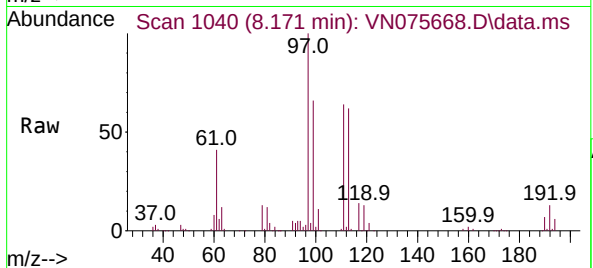
Tgt Ion:113 Resp: 167821

Ion Ratio Lower Upper

113 100

111 104.6 81.0 121.6

192 20.8 16.2 24.2



#36

1,1-Dichloropropene

Concen: 80.091 ug/l

RT: 8.377 min Scan# 1075

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

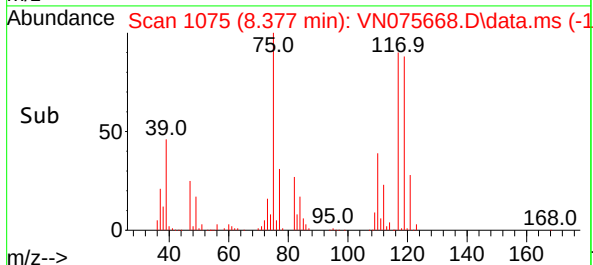
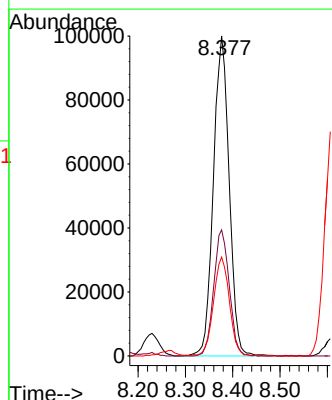
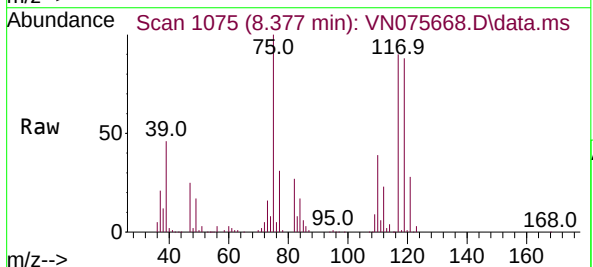
Tgt Ion: 75 Resp: 231126

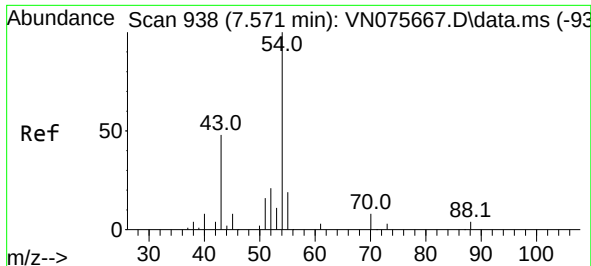
Ion Ratio Lower Upper

75 100

110 38.8 18.9 56.9

77 31.1 25.4 38.2

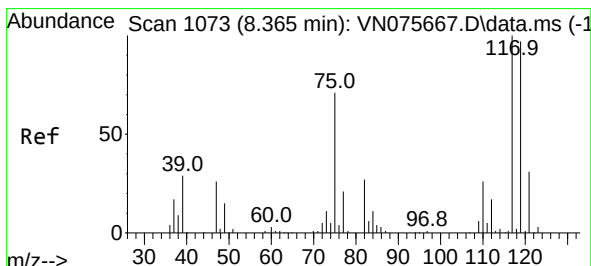
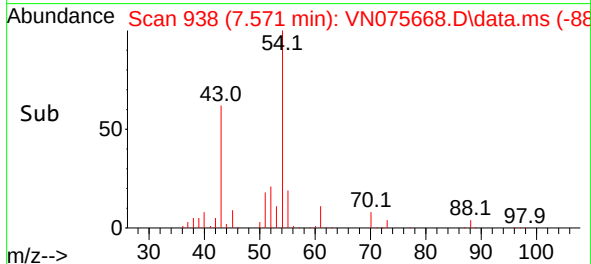
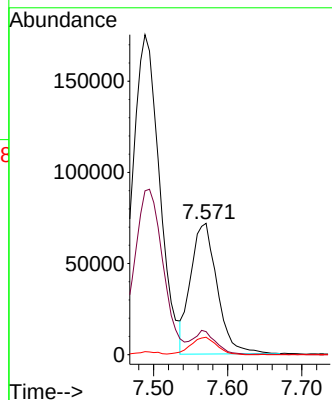
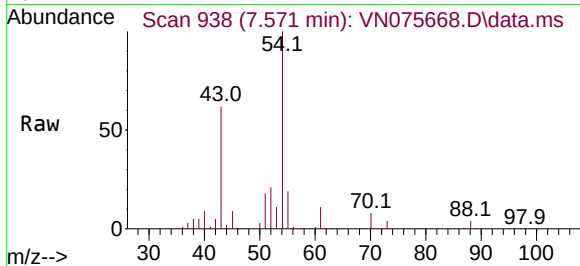




#37  
Ethyl Acetate  
Concen: 77.043 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

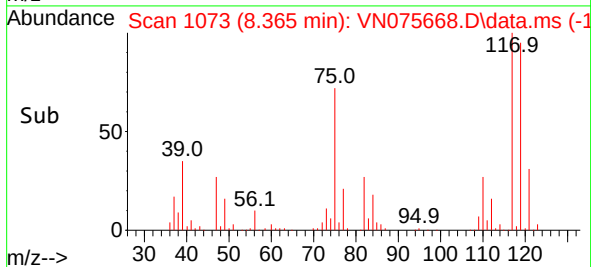
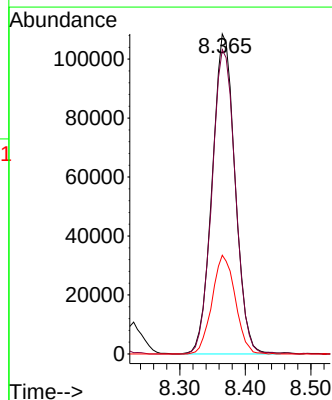
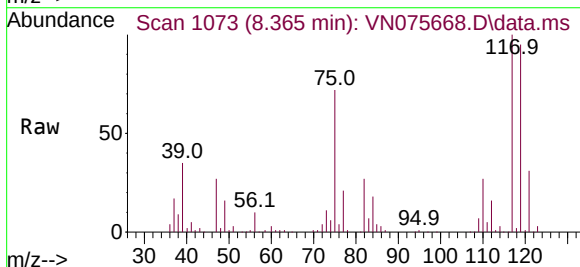
Instrument :  
MSVOA\_N  
ClientSampleId :

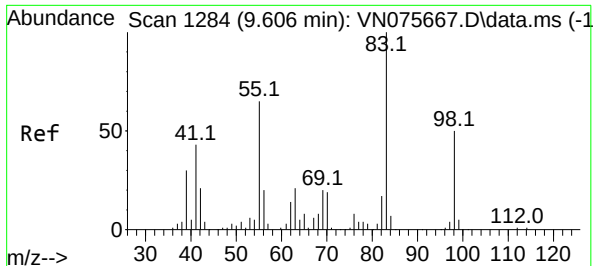
Tgt Ion: 43 Resp: 178505  
Ion Ratio Lower Upper  
43 100  
61 14.5 13.3 19.9  
70 13.1 9.9 14.9



#38  
Carbon Tetrachloride  
Concen: 78.922 ug/l  
RT: 8.365 min Scan# 1073  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 117 Resp: 262813  
Ion Ratio Lower Upper  
117 100  
119 95.1 77.2 115.8  
121 30.9 24.6 37.0





#39

Methylcyclohexane

Concen: 82.707 ug/l

RT: 9.606 min Scan# 1115

Delta R.T. 0.000 min

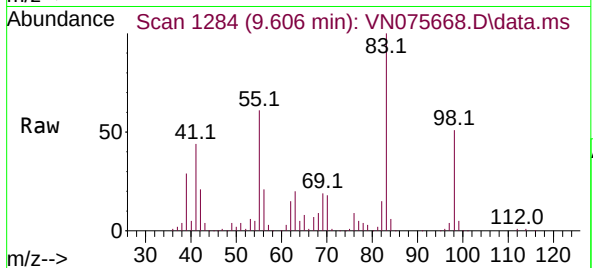
Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

ClientSampleId :



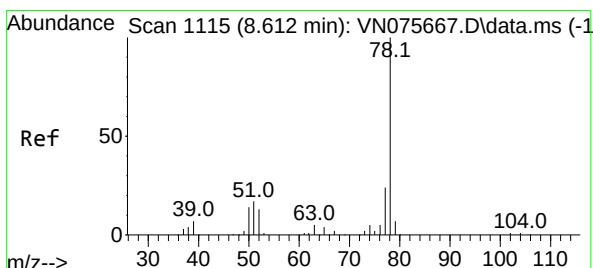
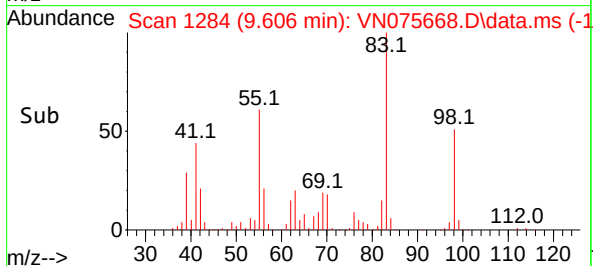
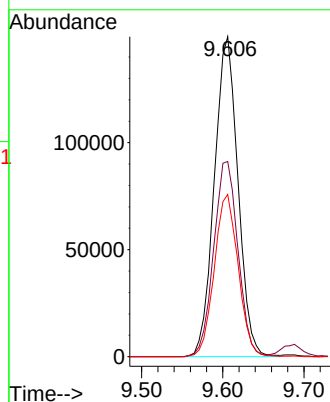
Tgt Ion: 83 Resp: 302648

Ion Ratio Lower Upper

83 100

55 61.0 51.6 77.4

98 50.7 39.8 59.8



#40

Benzene

Concen: 77.854 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN075668.D

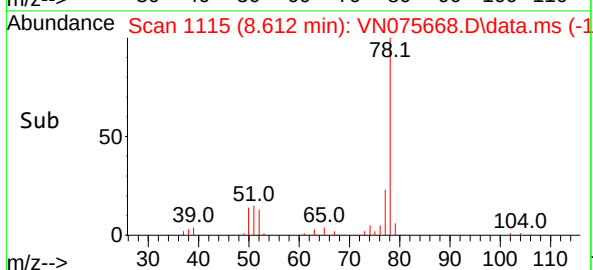
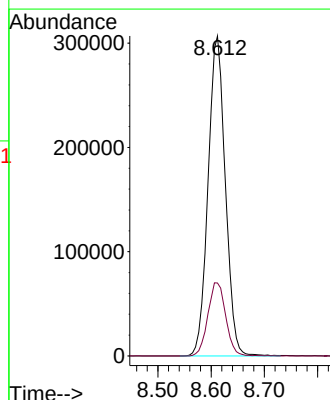
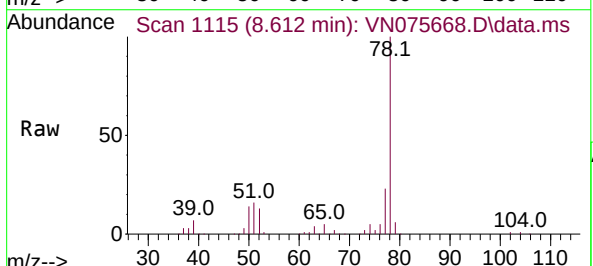
Acq: 09 Dec 2022 14:33

Tgt Ion: 78 Resp: 689495

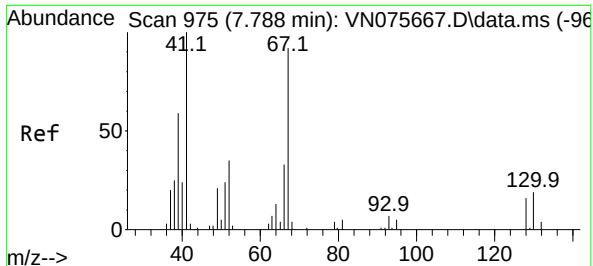
Ion Ratio Lower Upper

78 100

77 22.8 19.1 28.7

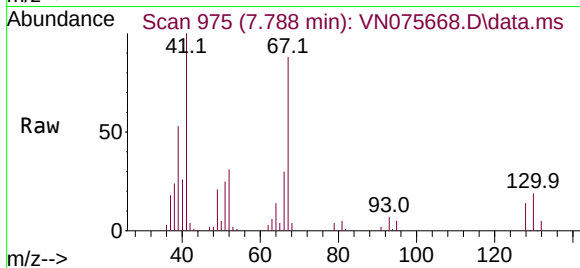




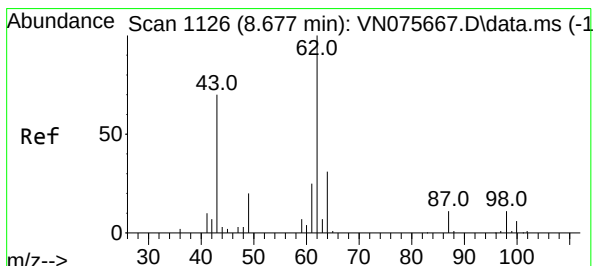
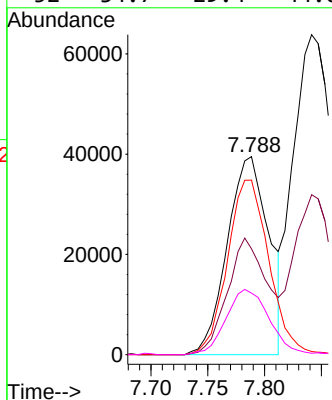
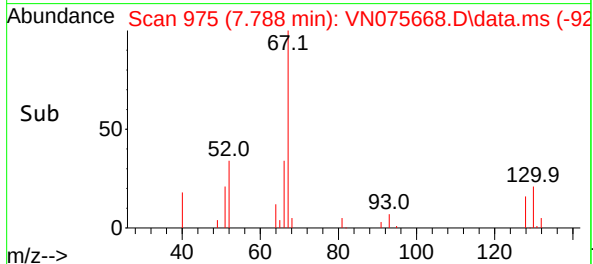


#41  
Methacrylonitrile  
Concen: 84.589 ug/l  
RT: 7.788 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :

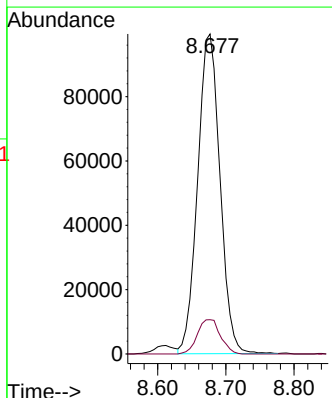
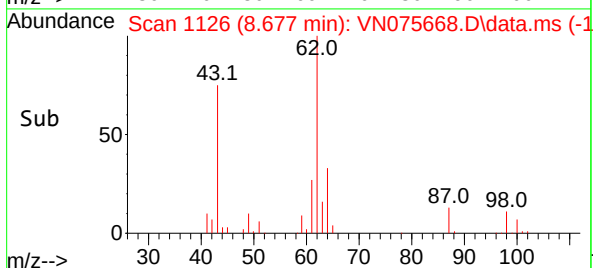
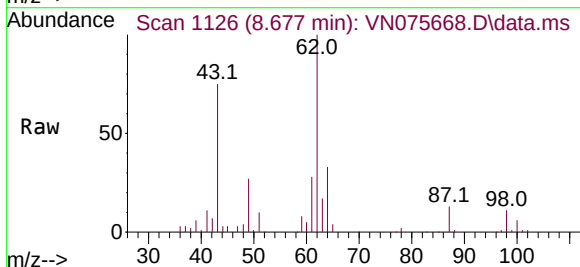


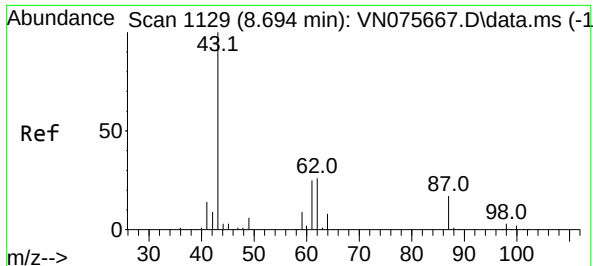
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 100495 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 56.6  | 46.3  | 69.5   |
| 67       | 88.6  | 74.0  | 111.0  |
| 52       | 34.7  | 29.4  | 44.0   |



#42  
1,2-Dichloroethane  
Concen: 76.374 ug/l  
RT: 8.677 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 226265 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 11.1  | 0.0   | 21.8   |





#43

Isopropyl Acetate

Concen: 81.483 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

ClientSampleId :

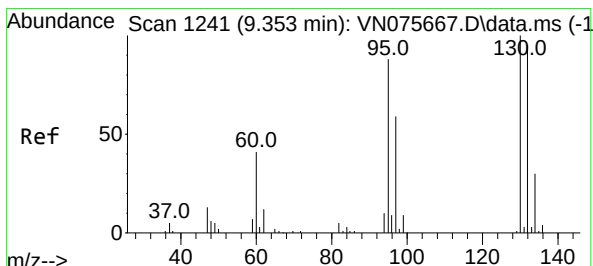
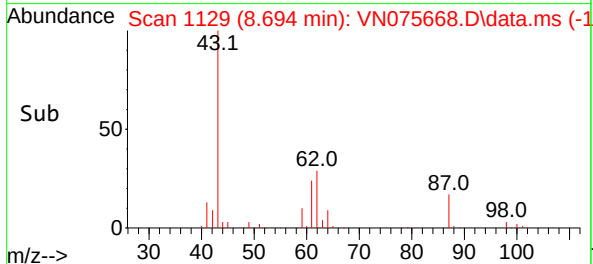
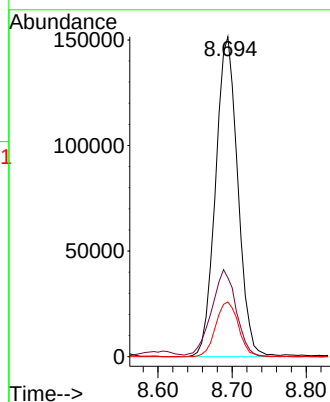
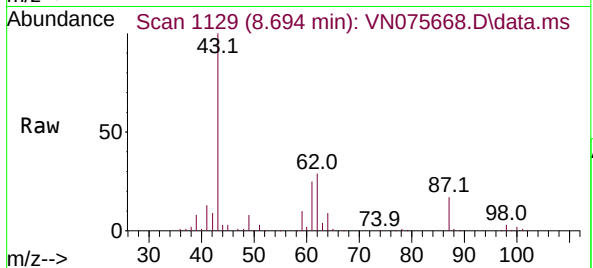
Tgt Ion: 43 Resp: 315180

Ion Ratio Lower Upper

43 100

61 30.4 23.8 35.8

87 17.5 13.7 20.5



#44

Trichloroethene

Concen: 77.523 ug/l

RT: 9.353 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VN075668.D

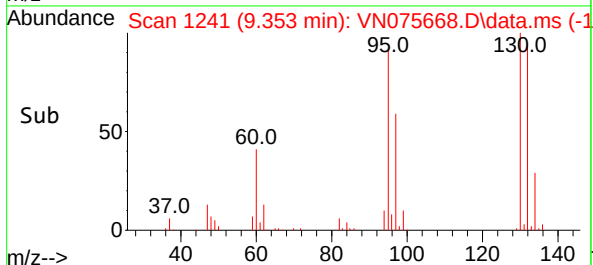
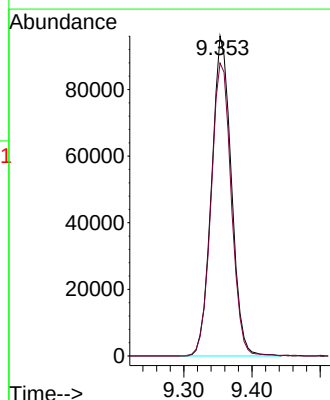
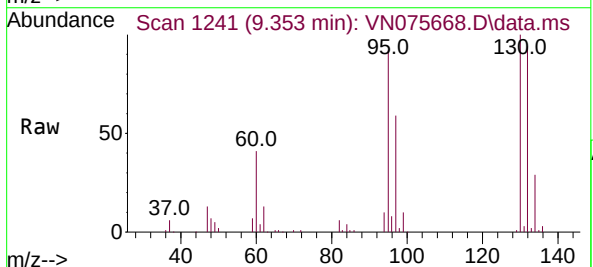
Acq: 09 Dec 2022 14:33

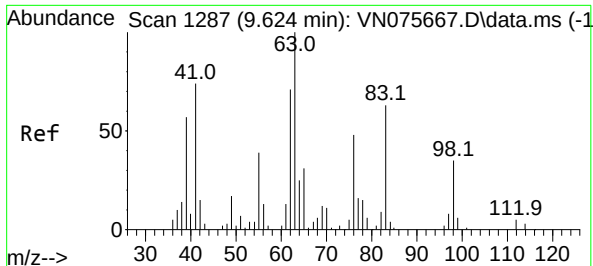
Tgt Ion:130 Resp: 193687

Ion Ratio Lower Upper

130 100

95 91.5 0.0 176.8





#45

1,2-Dichloropropane

Concen: 78.433 ug/l

RT: 9.624 min Scan# 1287

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

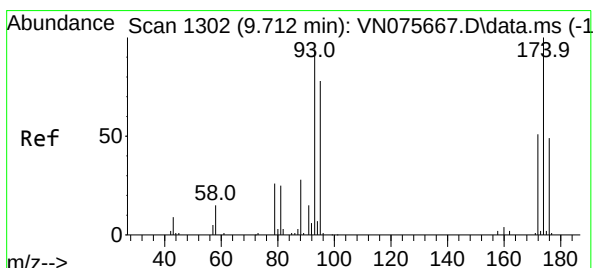
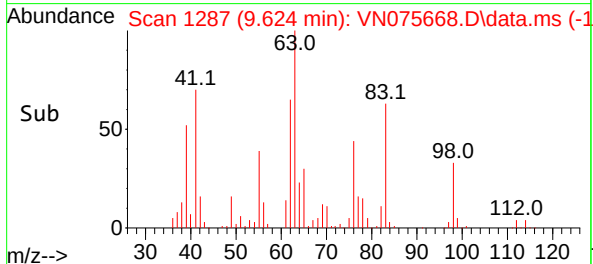
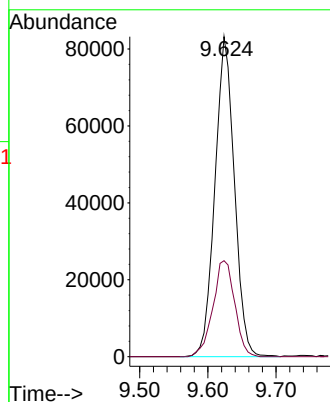
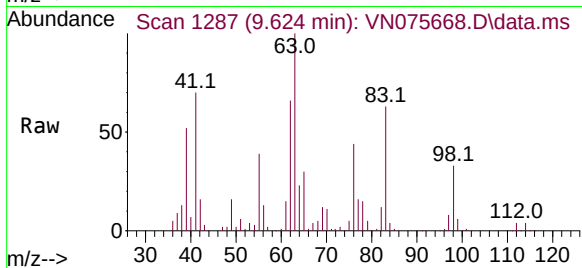
ClientSampleId :

Tgt Ion: 63 Resp: 165207

Ion Ratio Lower Upper

63 100

65 30.0 25.1 37.7



#46

Dibromomethane

Concen: 80.445 ug/l

RT: 9.712 min Scan# 1302

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

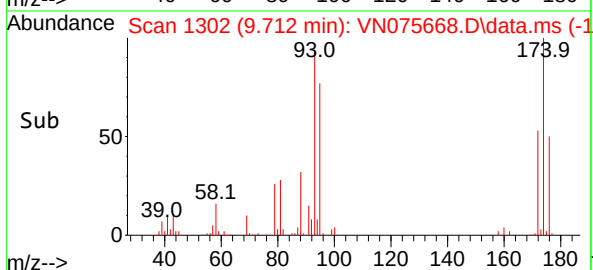
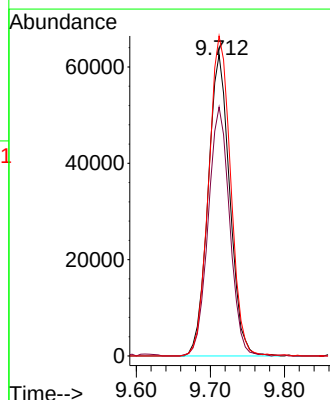
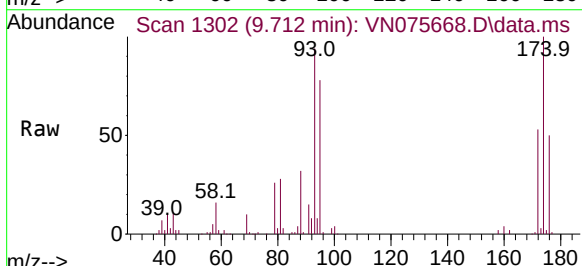
Tgt Ion: 93 Resp: 127215

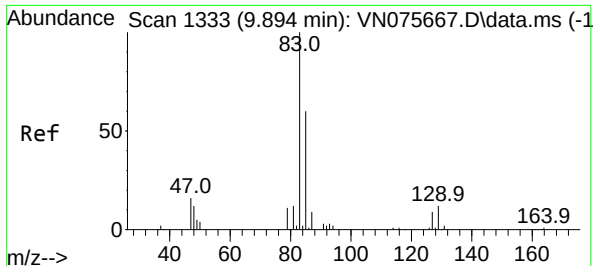
Ion Ratio Lower Upper

93 100

95 81.7 67.3 100.9

174 107.8 85.0 127.6

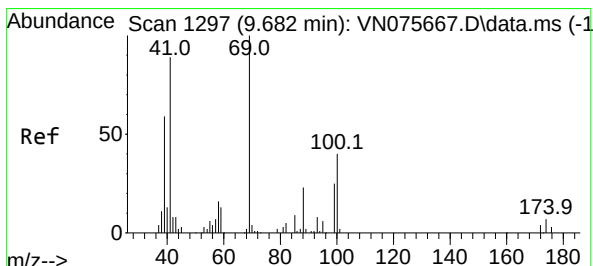
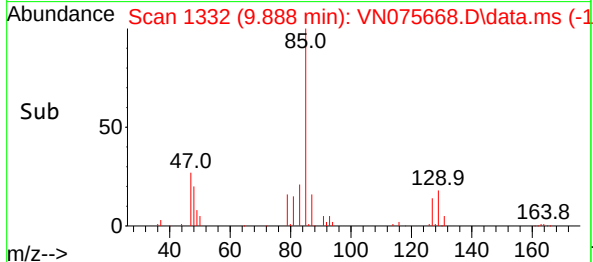
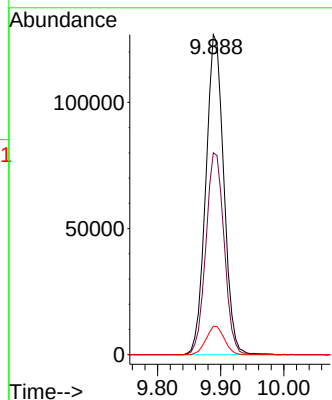
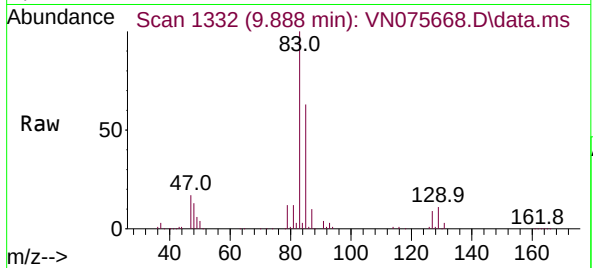




#47  
Bromodichloromethane  
Concen: 80.889 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

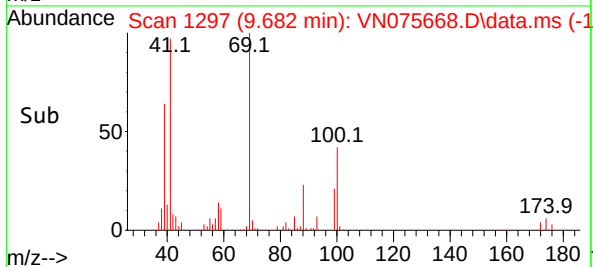
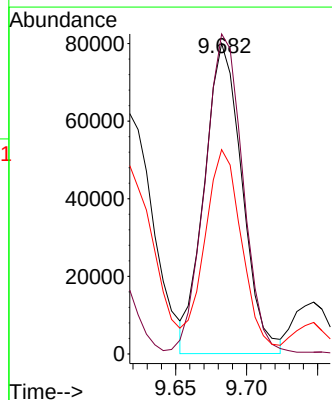
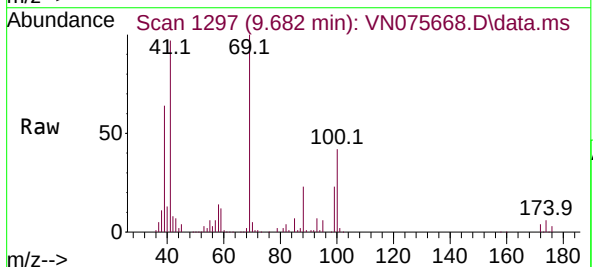
Instrument :  
MSVOA\_N  
ClientSampleId :

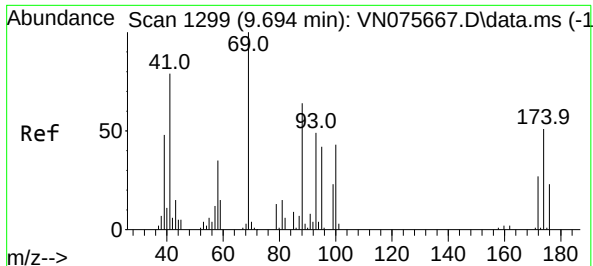
Tgt Ion: 83 Resp: 250804  
Ion Ratio Lower Upper  
83 100  
85 63.1 48.0 72.0  
127 8.9 7.4 11.2



#48  
Methyl methacrylate  
Concen: 83.074 ug/l  
RT: 9.682 min Scan# 1297  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 41 Resp: 147996  
Ion Ratio Lower Upper  
41 100  
69 104.6 82.5 123.7  
39 65.6 53.2 79.8





#49

1,4-Dioxane

Concen: 1682.456 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

ClientSampleId :

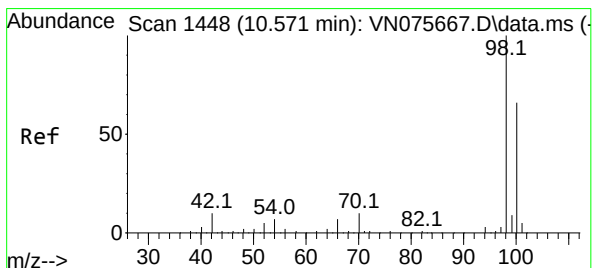
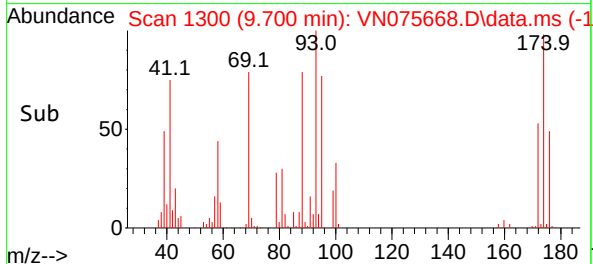
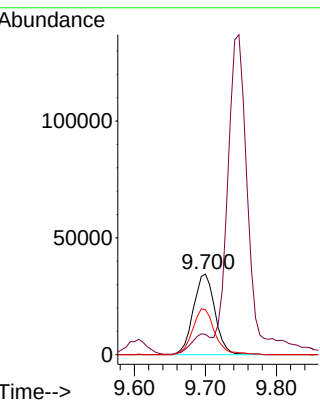
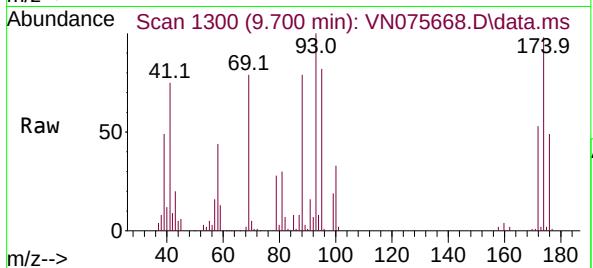
Tgt Ion: 88 Resp: 72859

Ion Ratio Lower Upper

88 100

43 25.6 17.4 26.0

58 58.6 46.8 70.2



#50

Toluene-d8

Concen: 80.741 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075668.D

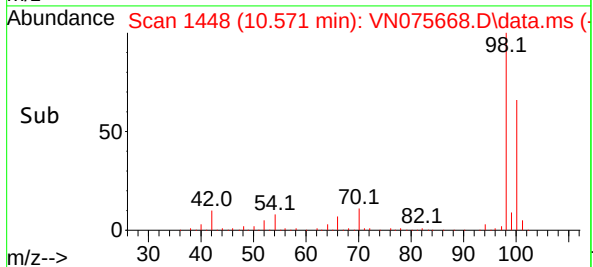
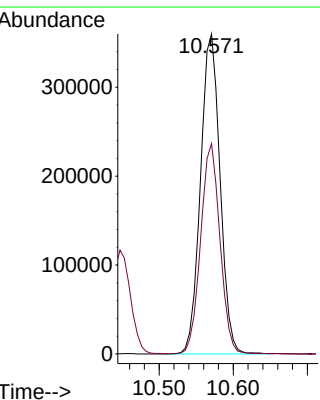
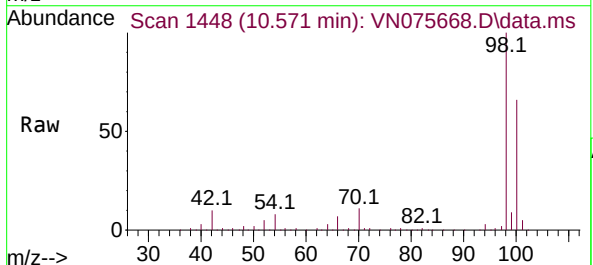
Acq: 09 Dec 2022 14:33

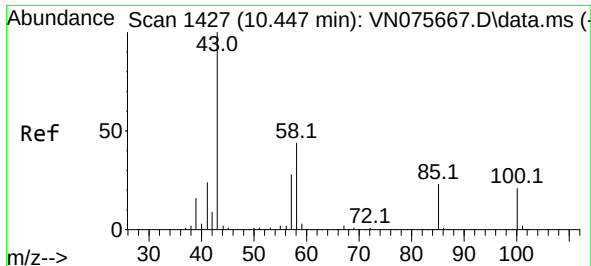
Tgt Ion: 98 Resp: 658974

Ion Ratio Lower Upper

98 100

100 64.8 52.6 78.8

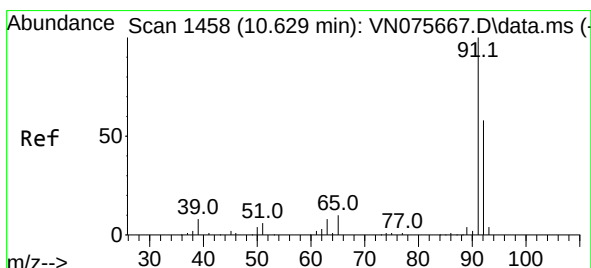
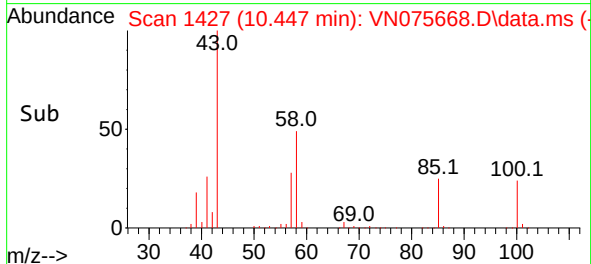
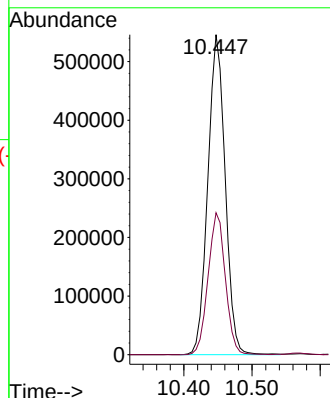
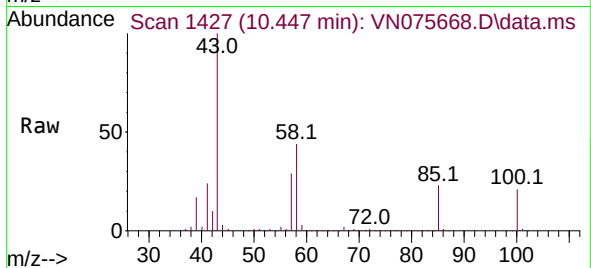




#51  
4-Methyl-2-Pentanone  
Concen: 405.477 ug/l  
RT: 10.447 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

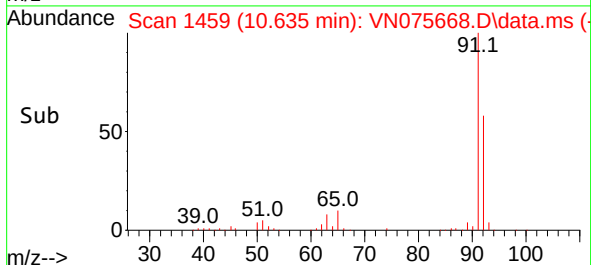
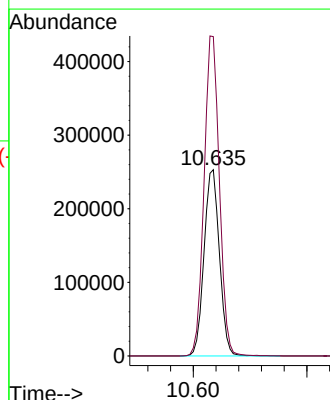
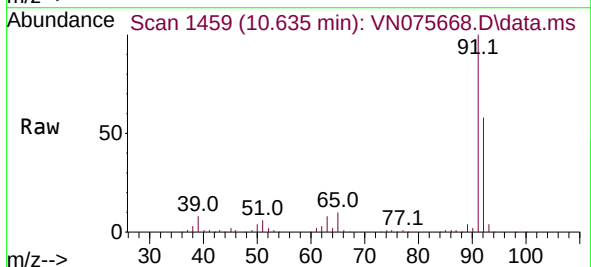
Instrument :  
MSVOA\_N  
ClientSampleId :

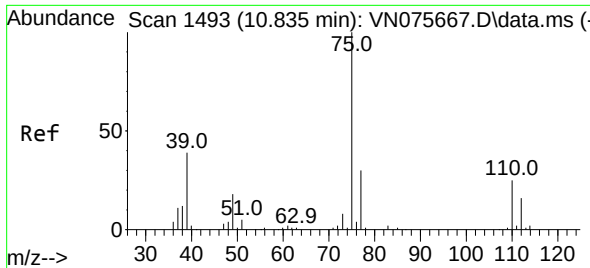
Tgt Ion: 43 Resp: 967106  
Ion Ratio Lower Upper  
43 100  
58 44.2 35.0 52.6



#52  
Toluene  
Concen: 80.992 ug/l  
RT: 10.635 min Scan# 1459  
Delta R.T. 0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 92 Resp: 474106  
Ion Ratio Lower Upper  
92 100  
91 170.9 137.9 206.9

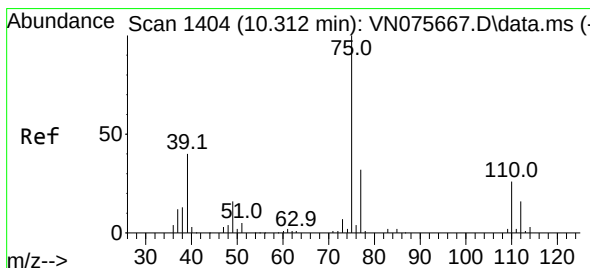
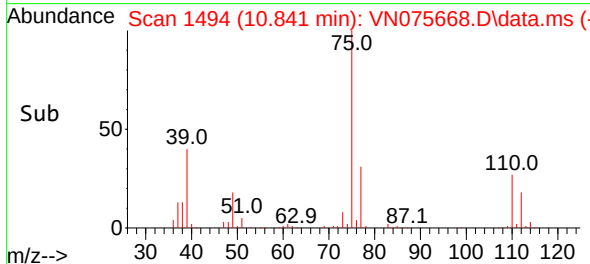
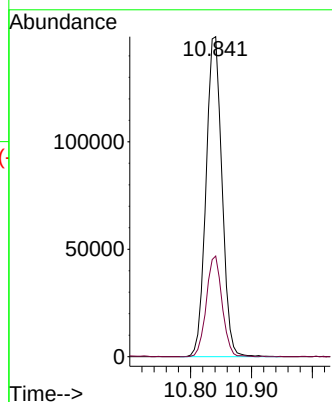
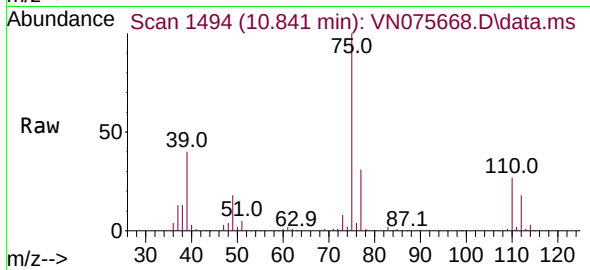




#53  
 t-1,3-Dichloropropene  
 Concen: 88.364 ug/l  
 RT: 10.841 min Scan# 1493  
 Delta R.T. 0.006 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

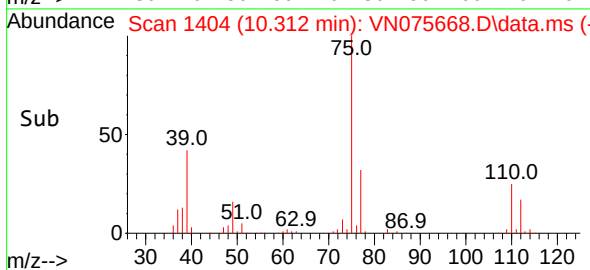
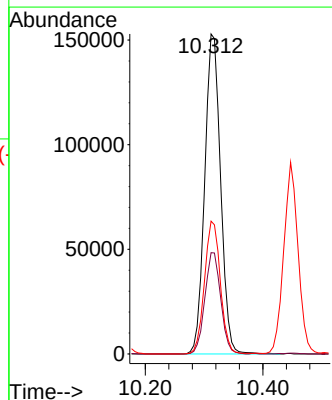
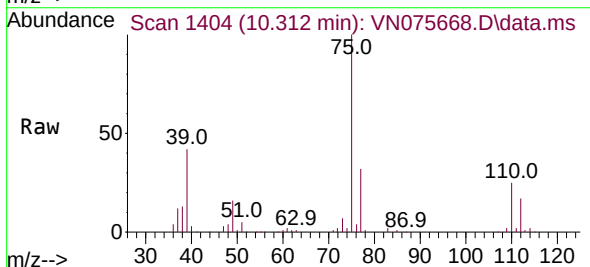
Instrument :  
 MSVOA\_N  
 ClientSampleId :

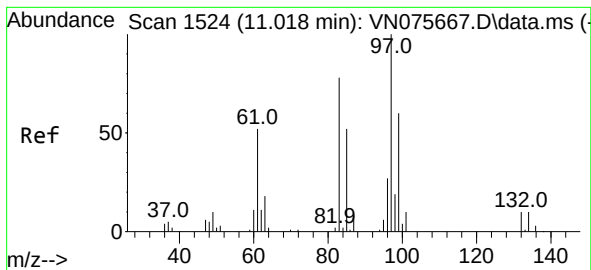
Tgt Ion: 75 Resp: 270593  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 24.3 36.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 84.183 ug/l  
 RT: 10.312 min Scan# 1404  
 Delta R.T. 0.000 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

Tgt Ion: 75 Resp: 286809  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 25.3 37.9  
 39 41.5 32.0 48.0





#55

1,1,2-Trichloroethane

Concen: 79.122 ug/l

RT: 11.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

ClientSampleId :

Tgt Ion: 97 Resp: 182105

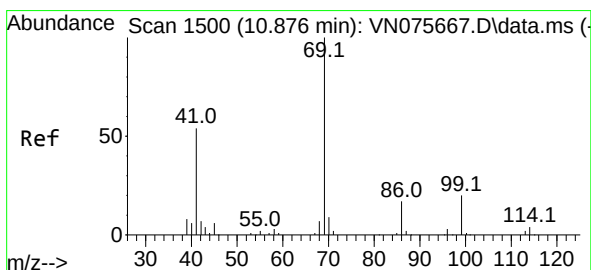
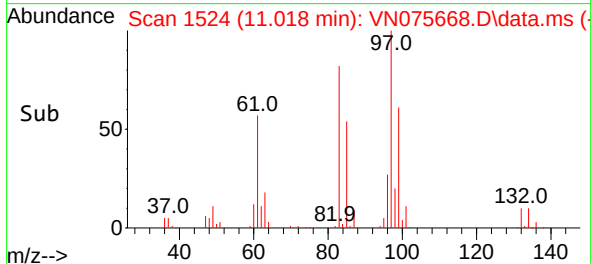
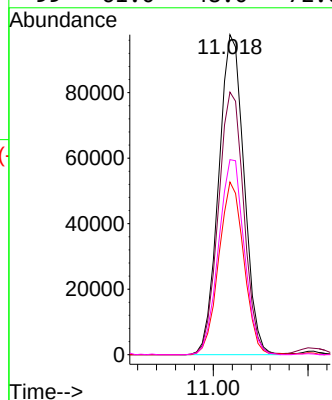
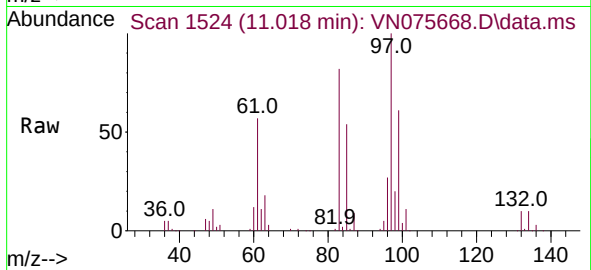
Ion Ratio Lower Upper

97 100

83 82.1 62.7 94.1

85 53.9 41.8 62.6

99 61.0 48.0 72.0



#56

Ethyl methacrylate

Concen: 86.454 ug/l

RT: 10.876 min Scan# 1500

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

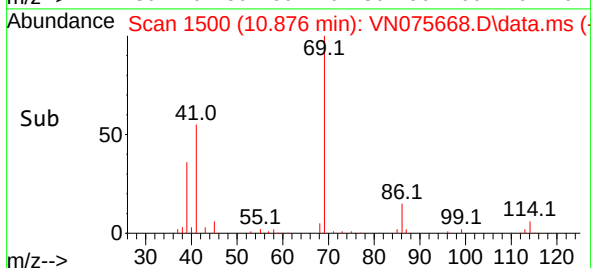
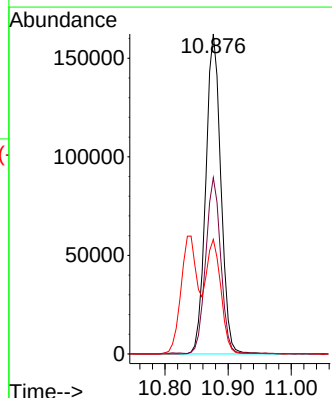
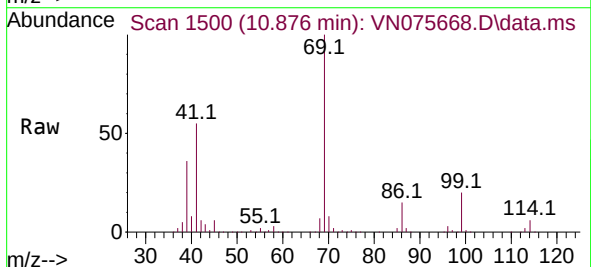
Tgt Ion: 69 Resp: 269621

Ion Ratio Lower Upper

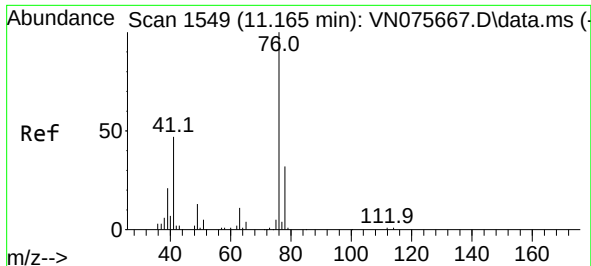
69 100

41 54.5 44.1 66.1

39 34.1 27.7 41.5







#57

1,3-Dichloropropane

Concen: 80.222 ug/l

RT: 11.165 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

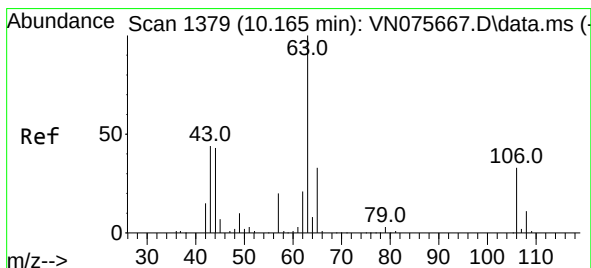
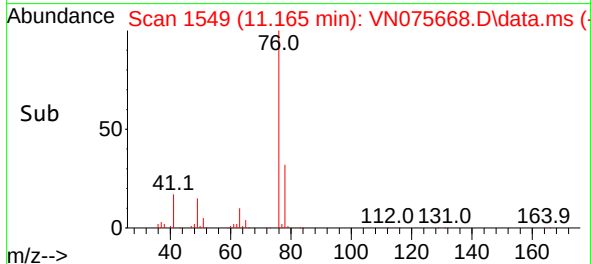
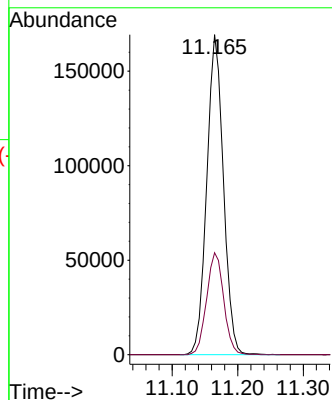
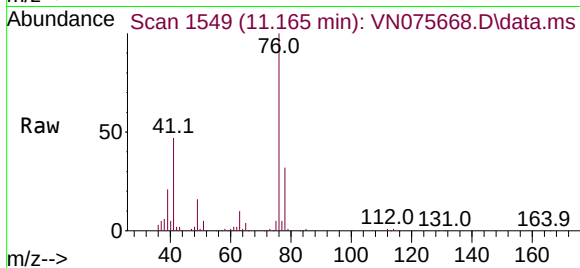
ClientSampleId :

Tgt Ion: 76 Resp: 298434

Ion Ratio Lower Upper

76 100

78 32.8 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 446.082 ug/l

RT: 10.165 min Scan# 1379

Delta R.T. 0.000 min

Lab File: VN075668.D

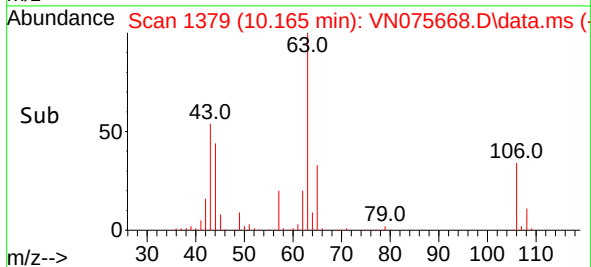
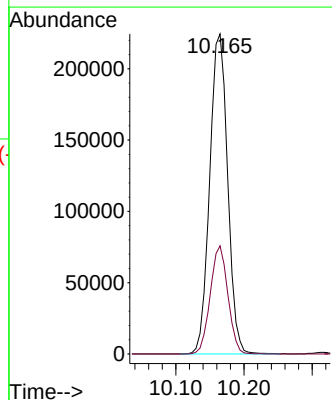
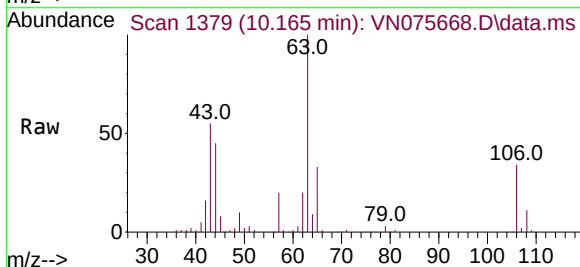
Acq: 09 Dec 2022 14:33

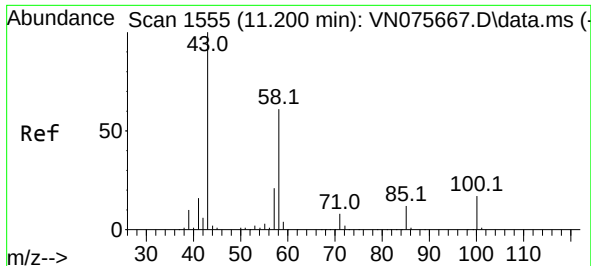
Tgt Ion: 63 Resp: 410755

Ion Ratio Lower Upper

63 100

106 33.2 26.6 40.0

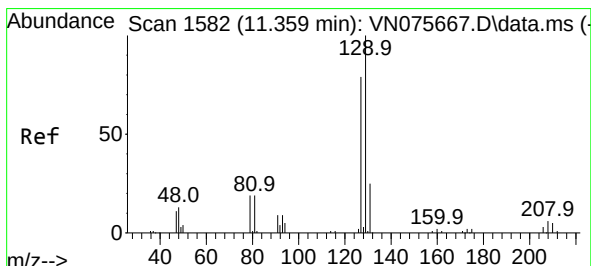
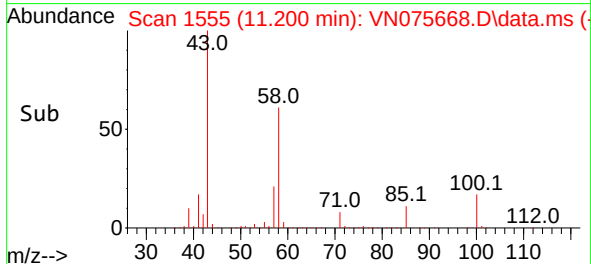
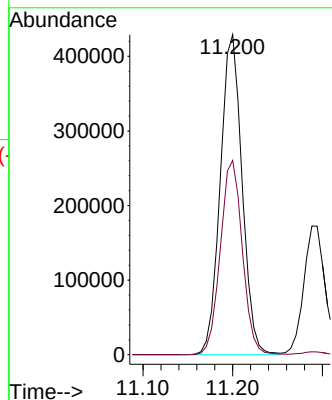
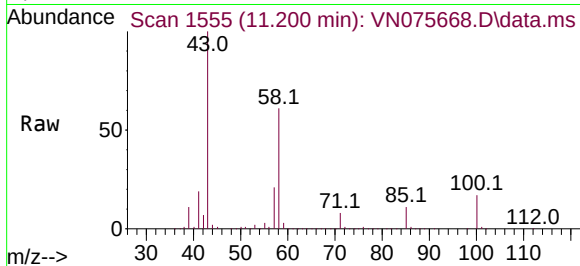




#59  
2-Hexanone  
Concen: 417.573 ug/l  
RT: 11.200 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

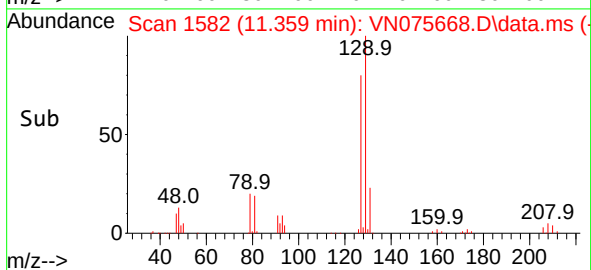
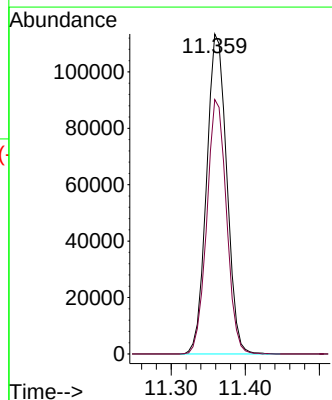
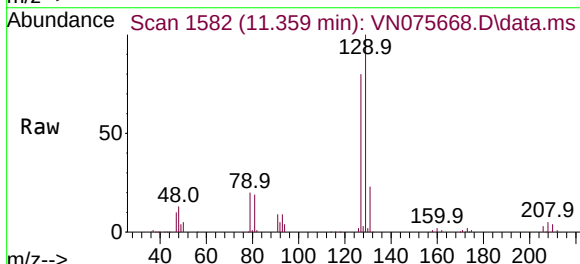
Instrument :  
MSVOA\_N  
ClientSampleId :

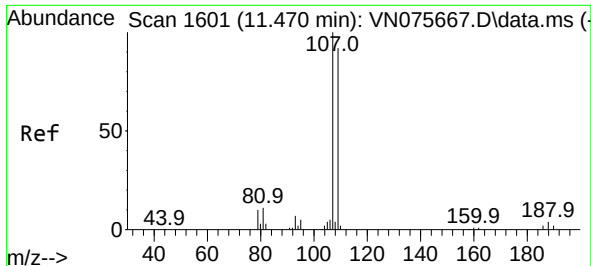
Tgt Ion: 43 Resp: 723582  
Ion Ratio Lower Upper  
43 100  
58 61.1 30.9 92.5



#60  
Dibromochloromethane  
Concen: 84.584 ug/l  
RT: 11.359 min Scan# 1582  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion:129 Resp: 214222  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.6 116.0

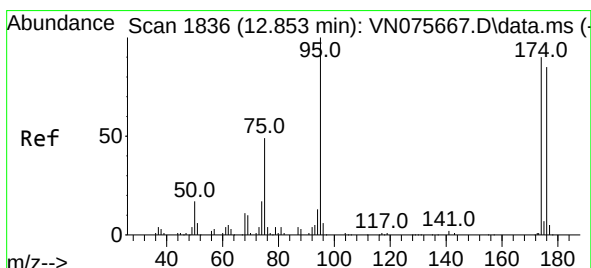
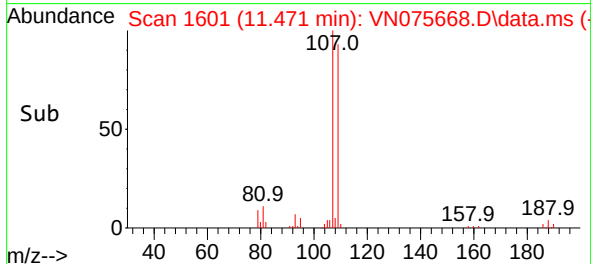
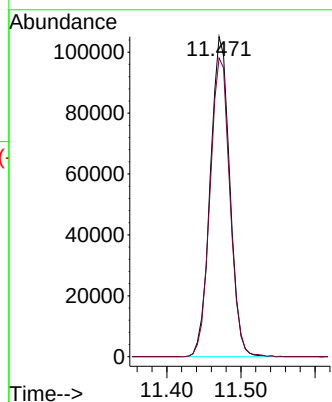
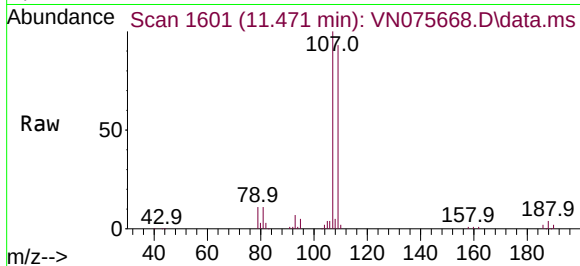




#61  
1,2-Dibromoethane  
Concen: 79.461 ug/l  
RT: 11.471 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

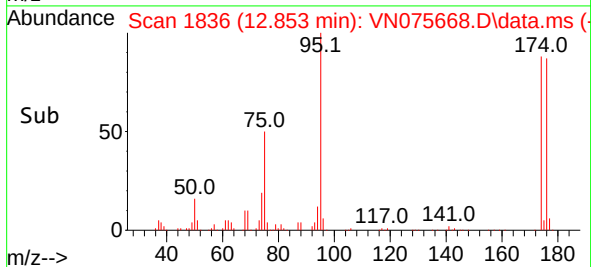
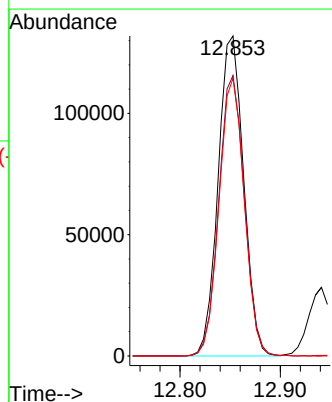
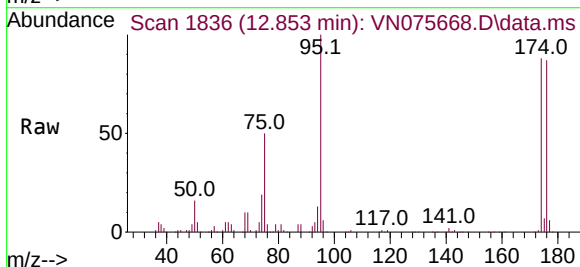
Instrument :  
MSVOA\_N  
ClientSampleId :

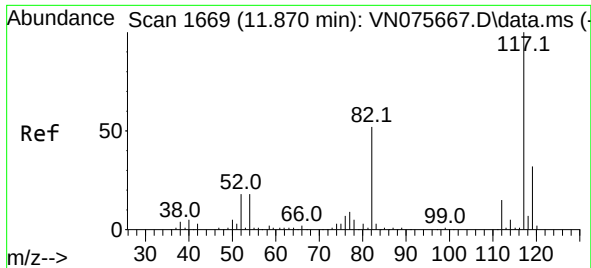
Tgt Ion:107 Resp: 191610  
Ion Ratio Lower Upper  
107 100  
109 95.2 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 83.385 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 95 Resp: 232686  
Ion Ratio Lower Upper  
95 100  
174 87.8 0.0 178.6  
176 85.6 0.0 170.8

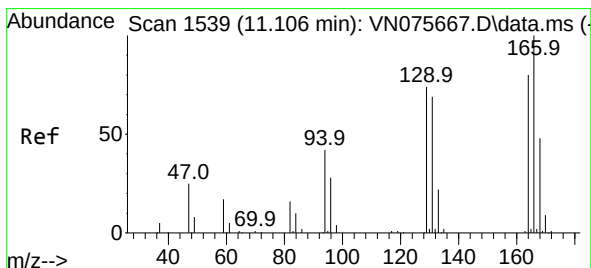
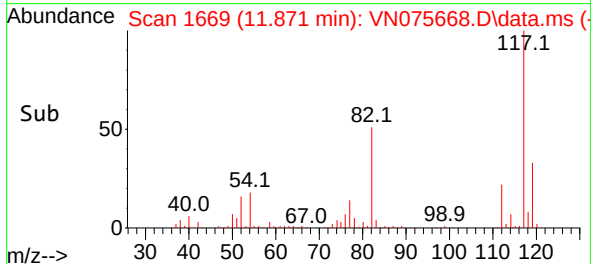
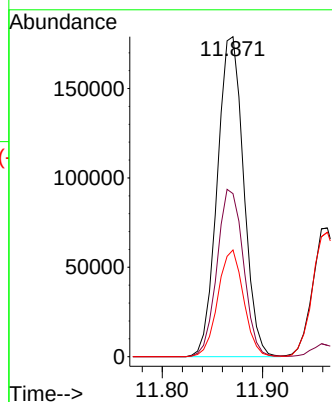
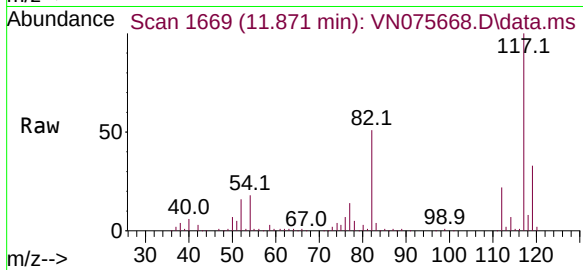




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

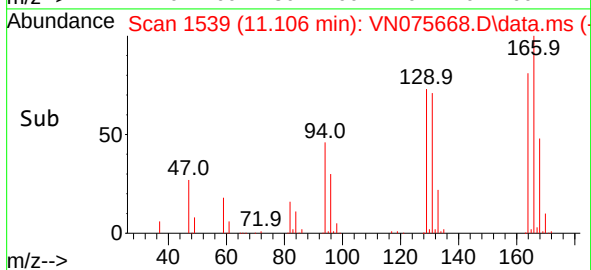
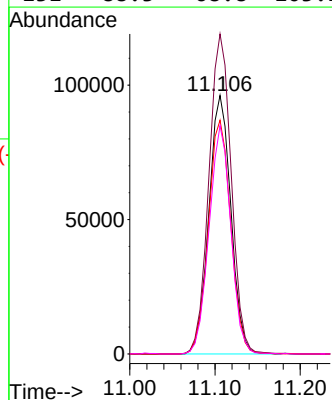
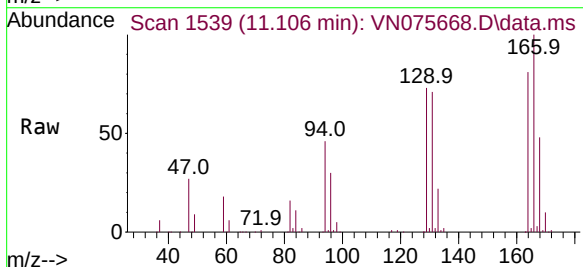
Instrument :  
MSVOA\_N  
ClientSampleId :

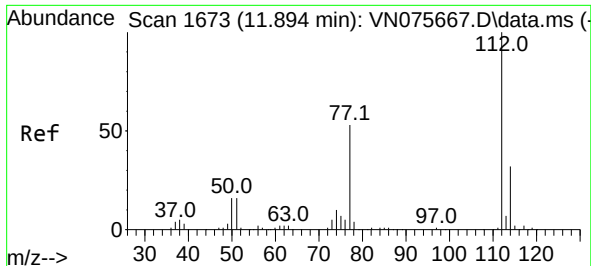
Tgt Ion:117 Resp: 326774  
Ion Ratio Lower Upper  
117 100  
82 50.9 41.8 62.8  
119 33.4 25.8 38.6



#64  
Tetrachloroethene  
Concen: 72.785 ug/l  
RT: 11.106 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion:164 Resp: 173244  
Ion Ratio Lower Upper  
164 100  
166 123.8 100.3 150.5  
129 90.4 73.9 110.9  
131 88.3 68.8 103.2

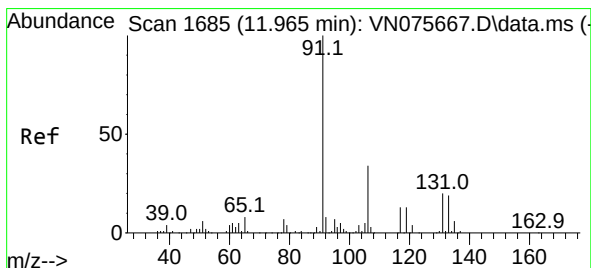
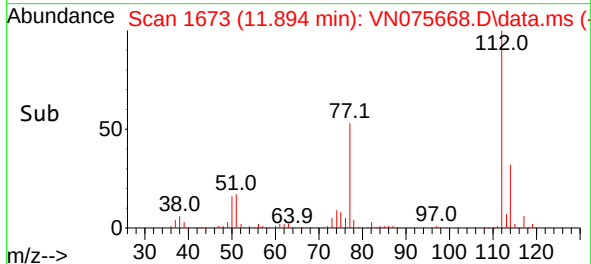
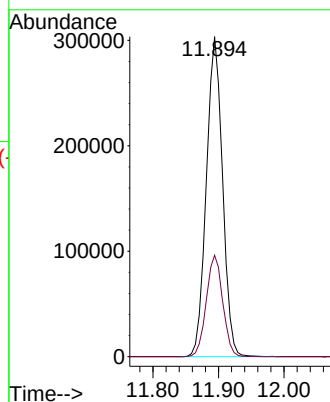
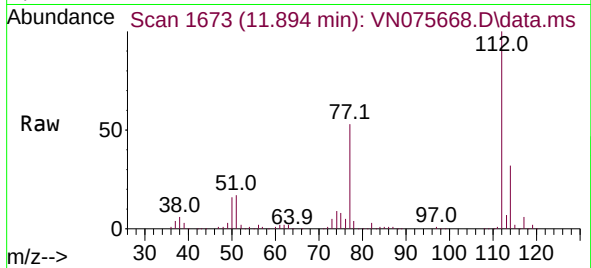




#65  
Chlorobenzene  
Concen: 77.627 ug/l  
RT: 11.894 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

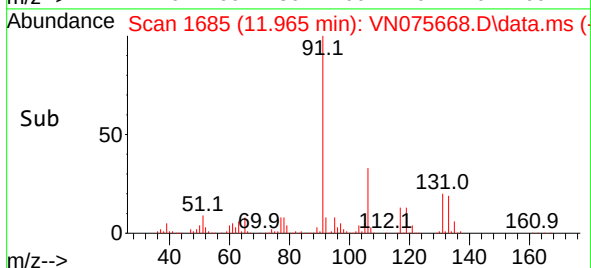
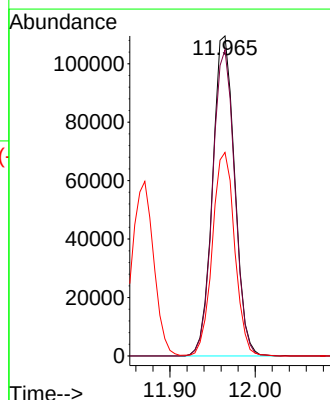
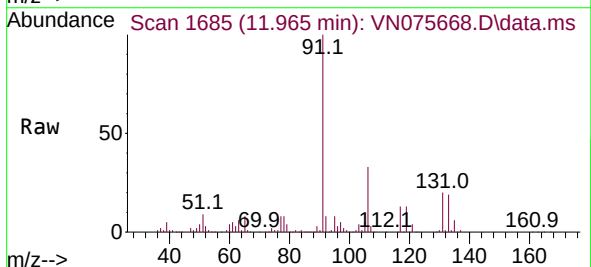
Instrument :  
MSVOA\_N  
ClientSampleId :

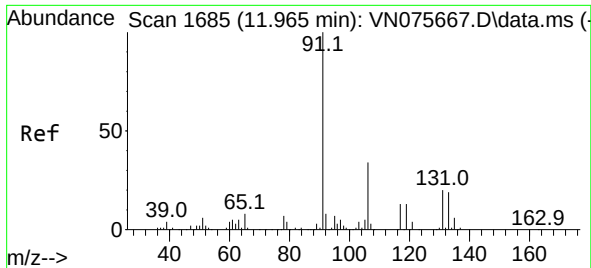
Tgt Ion:112 Resp: 521920  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 80.807 ug/l  
RT: 11.965 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion:131 Resp: 197668  
Ion Ratio Lower Upper  
131 100  
133 95.6 47.5 142.6  
119 64.1 32.5 97.4





#67

Ethyl Benzene

Concen: 82.184 ug/l

RT: 11.965 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

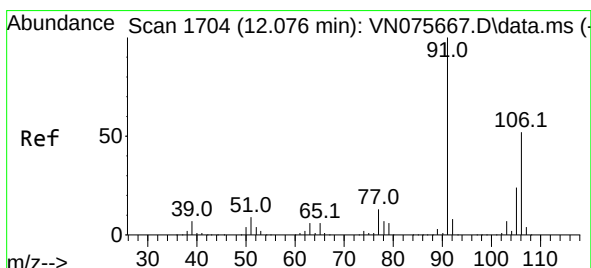
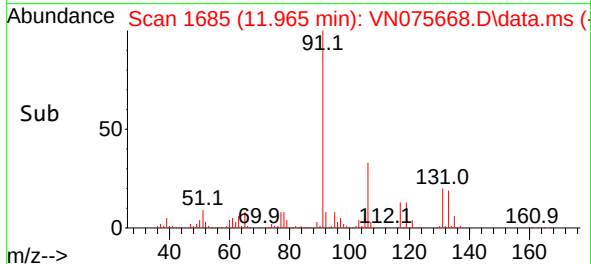
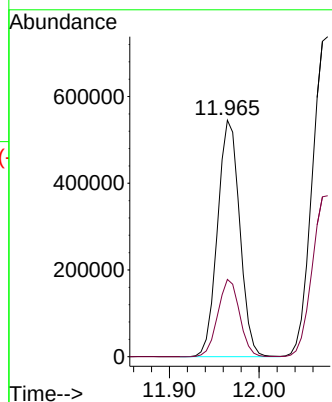
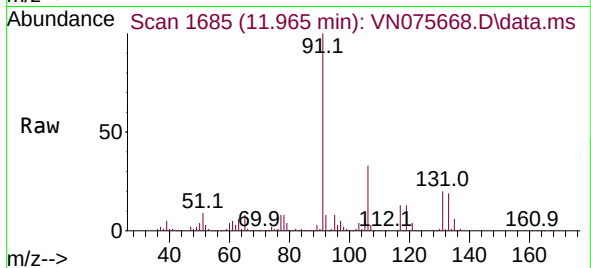
ClientSampleId :

Tgt Ion: 91 Resp: 934765

Ion Ratio Lower Upper

91 100

106 32.7 26.9 40.3



#68

m/p-Xylenes

Concen: 161.741 ug/l

RT: 12.076 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VN075668.D

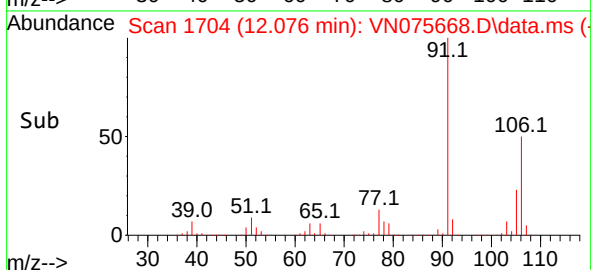
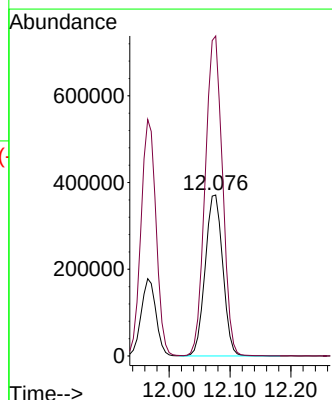
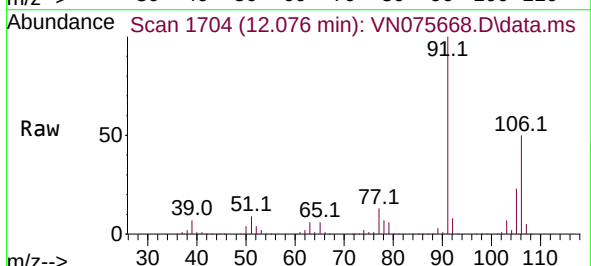
Acq: 09 Dec 2022 14:33

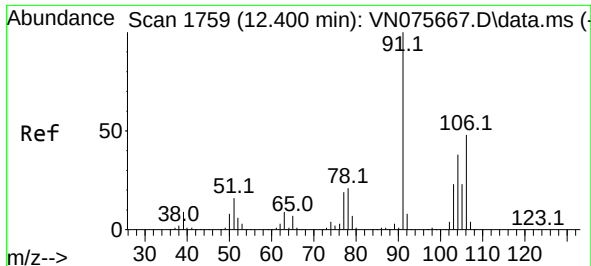
Tgt Ion:106 Resp: 743332

Ion Ratio Lower Upper

106 100

91 196.1 156.2 234.4

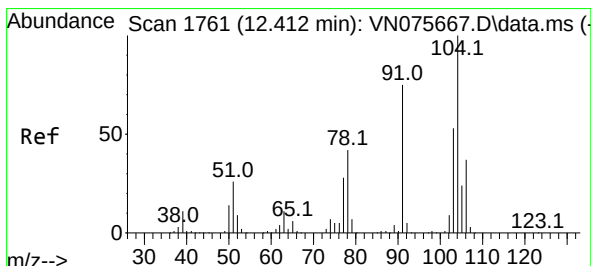
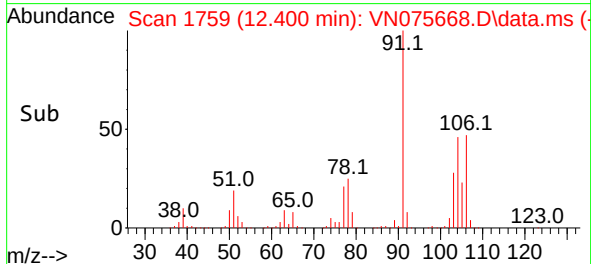
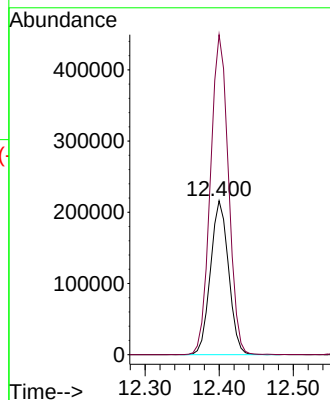
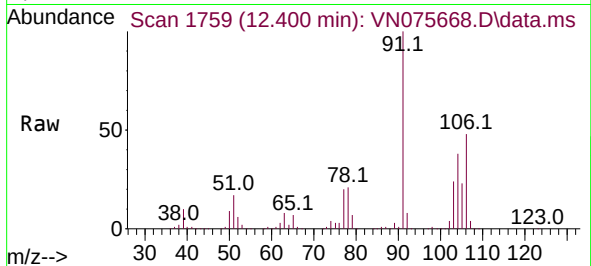




#69  
o-Xylene  
Concen: 82.137 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

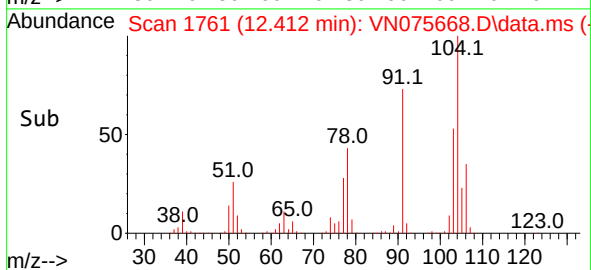
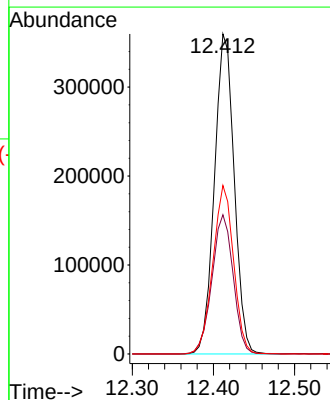
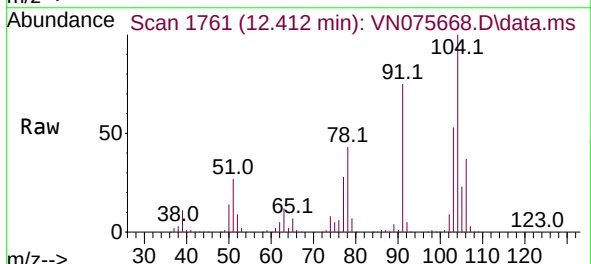
Instrument :  
MSVOA\_N  
ClientSampleId :

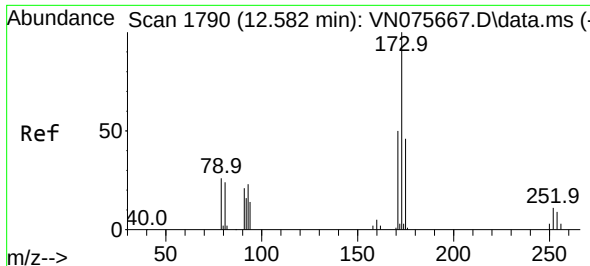
Tgt Ion:106 Resp: 366310  
Ion Ratio Lower Upper  
106 100  
91 208.1 102.8 308.5



#70  
Styrene  
Concen: 85.273 ug/l  
RT: 12.412 min Scan# 1761  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion:104 Resp: 609939  
Ion Ratio Lower Upper  
104 100  
78 46.6 36.7 55.1  
103 55.0 44.0 66.0

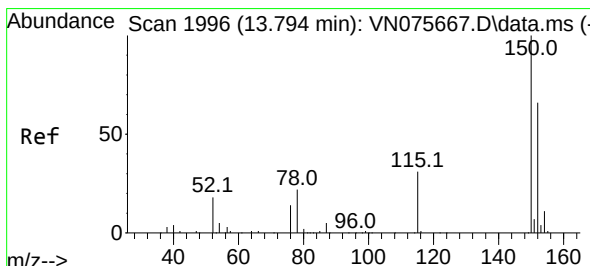
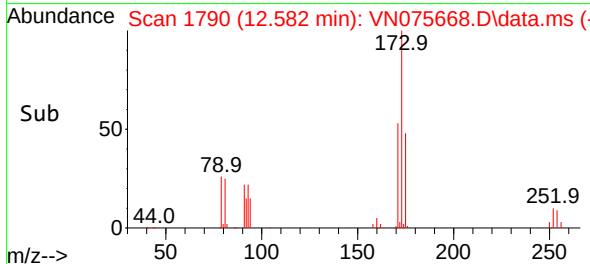
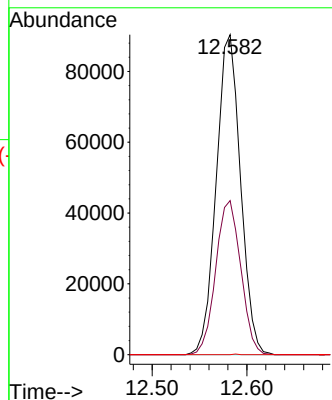
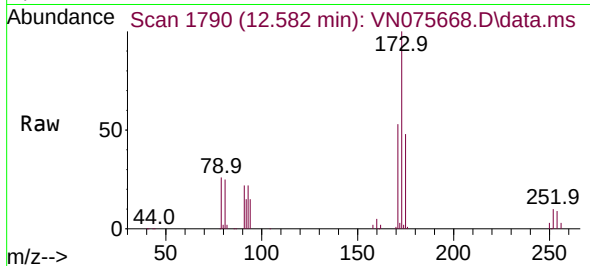




#71  
Bromoform  
Concen: 86.868 ug/l  
RT: 12.582 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

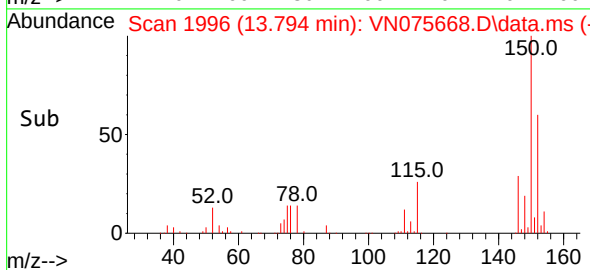
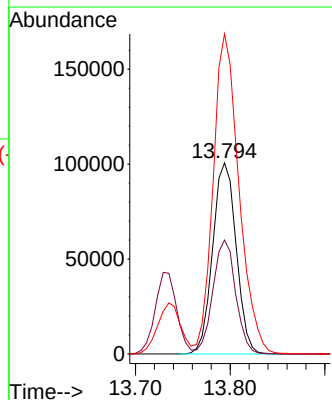
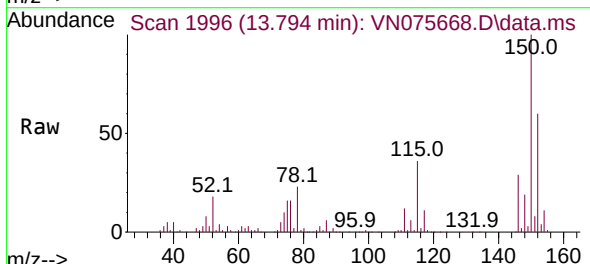
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:173 Resp: 161069  
Ion Ratio Lower Upper  
173 100  
175 49.6 23.8 71.2  
254 0.0 0.0 0.0#

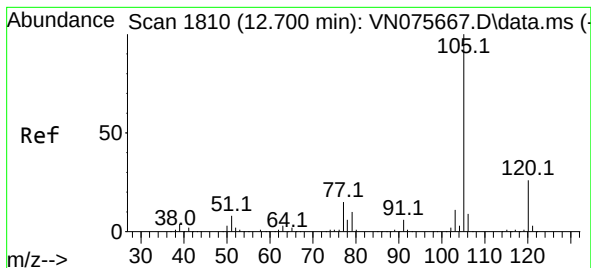


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion:152 Resp: 173392  
Ion Ratio Lower Upper  
152 100  
115 57.9 28.4 85.2  
150 184.0 0.0 347.6







#73

Isopropylbenzene

Concen: 77.350 ug/l

RT: 12.700 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

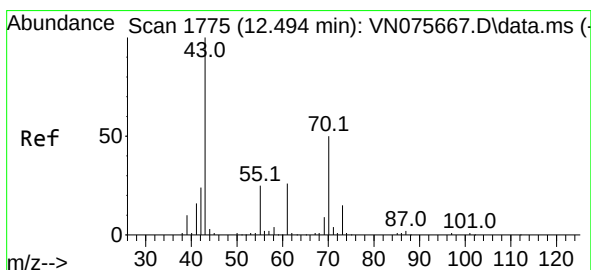
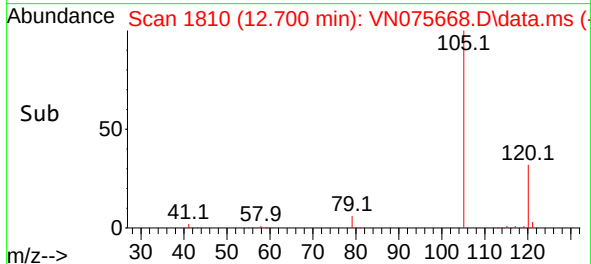
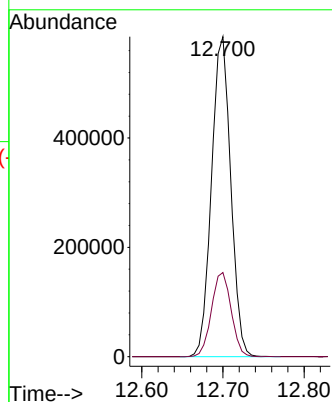
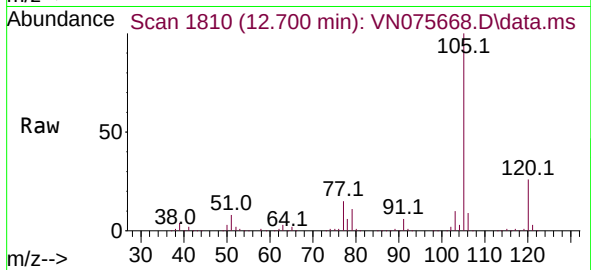
ClientSampleId :

Tgt Ion:105 Resp: 963001

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 84.779 ug/l

RT: 12.494 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Tgt Ion: 43 Resp: 306679

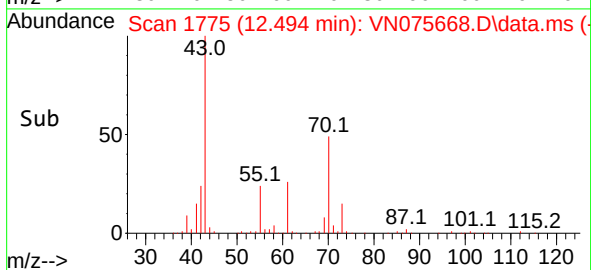
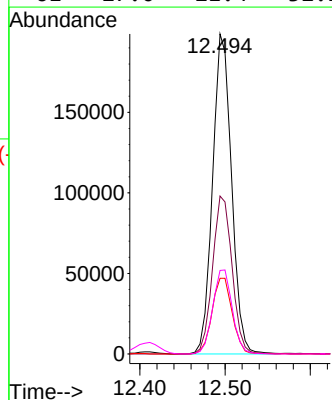
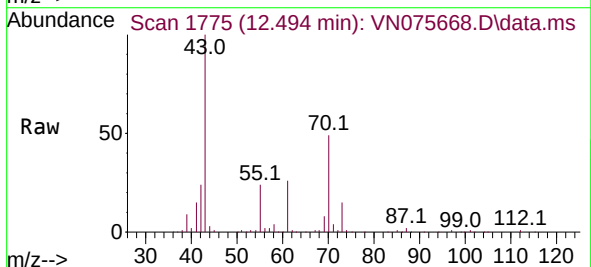
Ion Ratio Lower Upper

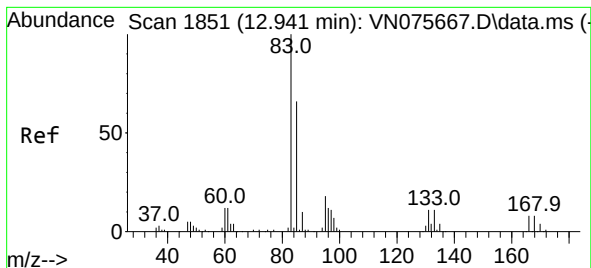
43 100

70 50.8 41.0 61.6

55 25.3 20.7 31.1

61 27.0 21.4 32.2

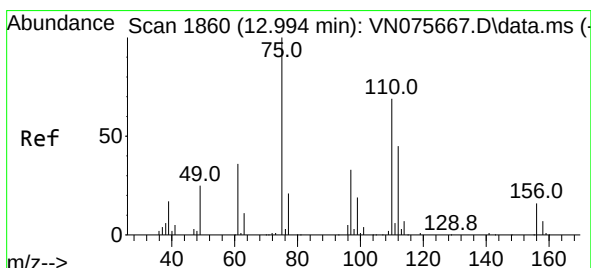
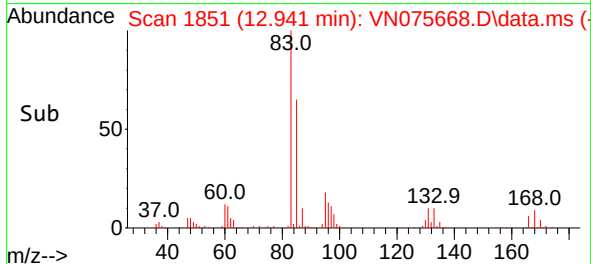
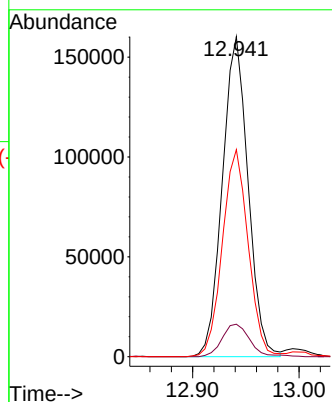
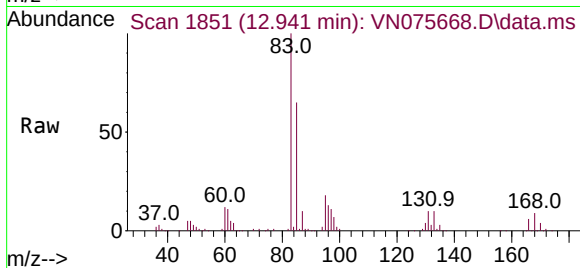




#75  
1,1,2,2-Tetrachloroethane  
Concen: 71.781 ug/l  
RT: 12.941 min Scan# 1851  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

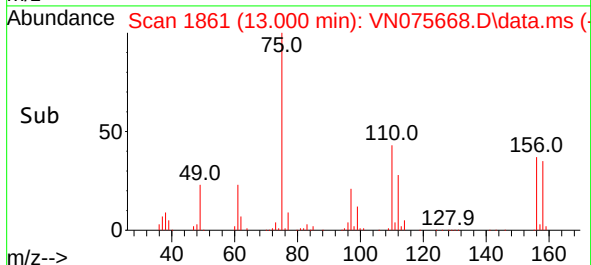
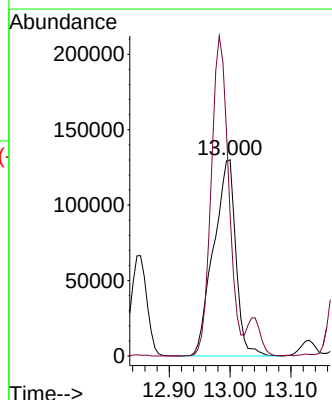
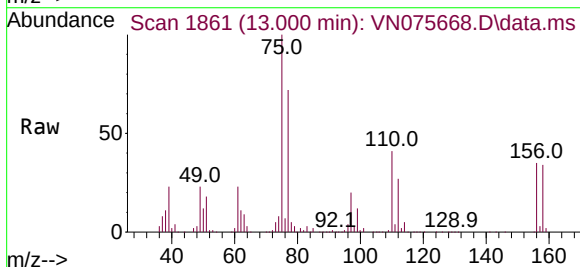
Instrument :  
MSVOA\_N  
ClientSampleId :

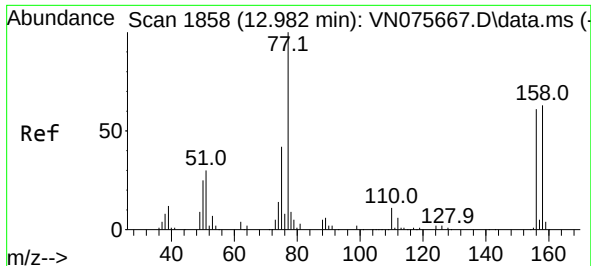
Tgt Ion: 83 Resp: 268451  
Ion Ratio Lower Upper  
83 100  
131 11.0 5.6 16.8  
85 64.9 32.6 97.7



#76  
1,2,3-Trichloropropane  
Concen: 95.117 ug/l  
RT: 13.000 min Scan# 1861  
Delta R.T. 0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 75 Resp: 331211  
Ion Ratio Lower Upper  
75 100  
77 128.4 81.8 245.4

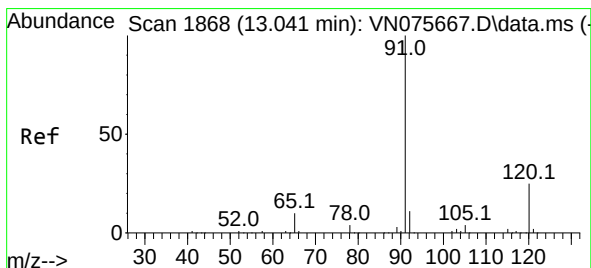
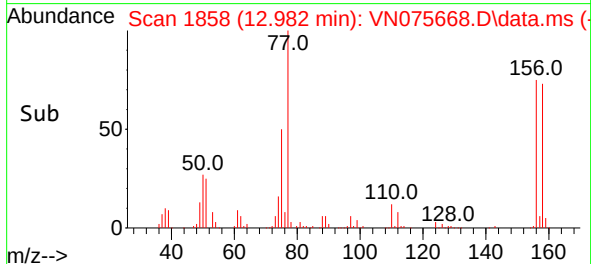
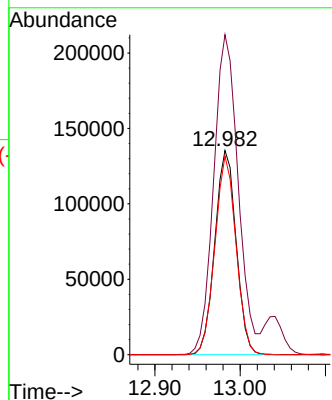
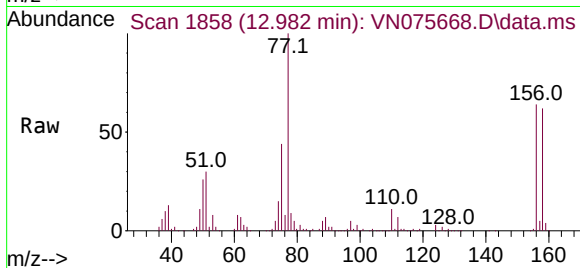




#77  
Bromobenzene  
Concen: 75.040 ug/l  
RT: 12.982 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

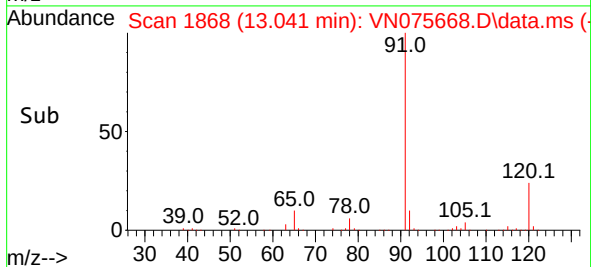
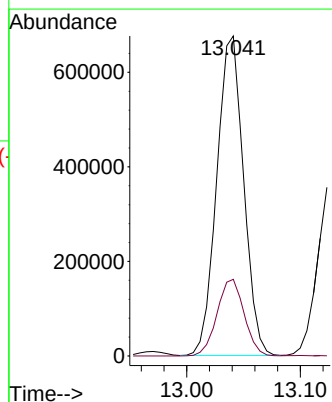
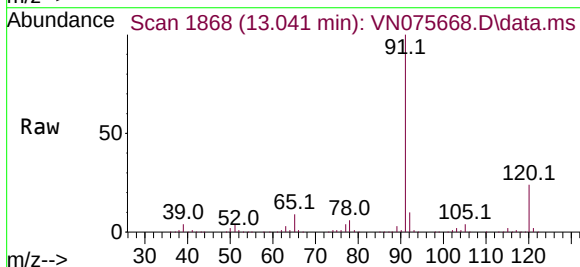
Instrument :  
MSVOA\_N  
ClientSampleId :

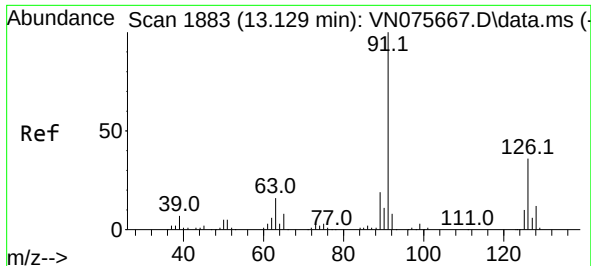
Tgt Ion:156 Resp: 234942  
Ion Ratio Lower Upper  
156 100  
77 180.9 90.8 272.5  
158 96.5 49.3 147.8



#78  
n-propylbenzene  
Concen: 80.355 ug/l  
RT: 13.041 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 91 Resp: 1110107  
Ion Ratio Lower Upper  
91 100  
120 24.2 12.1 36.3





#79

2-Chlorotoluene

Concen: 75.918 ug/l

RT: 13.129 min Scan# 1883

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

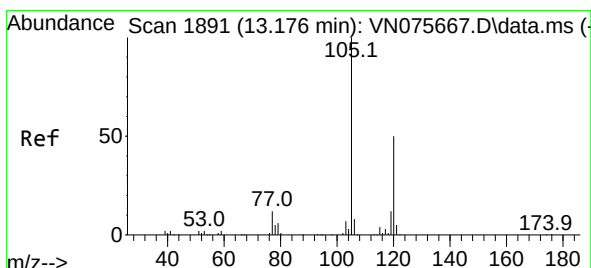
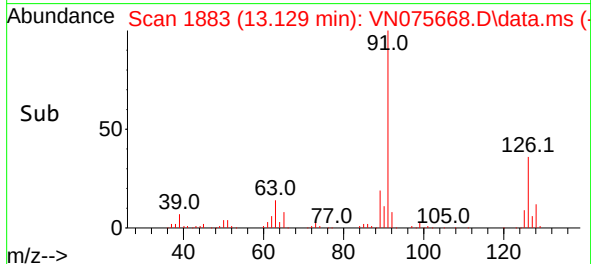
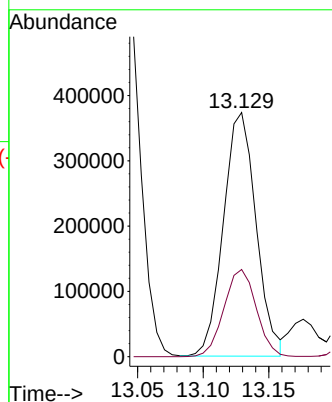
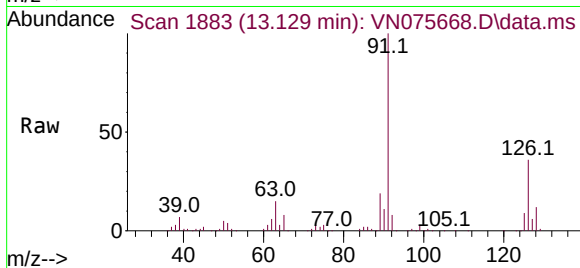
ClientSampleId :

Tgt Ion: 91 Resp: 647507

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 80.530 ug/l

RT: 13.176 min Scan# 1891

Delta R.T. 0.000 min

Lab File: VN075668.D

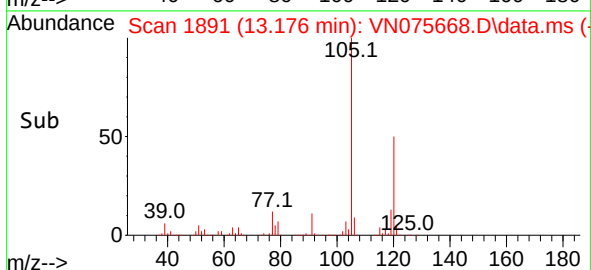
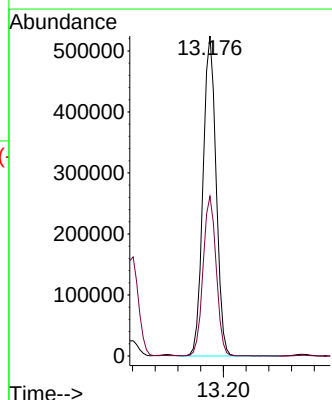
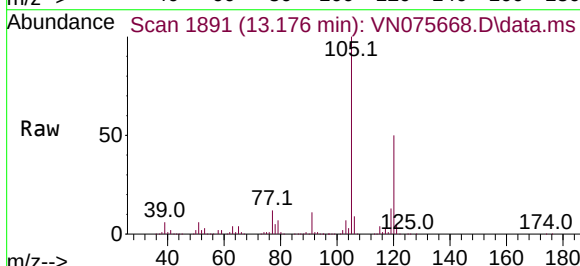
Acq: 09 Dec 2022 14:33

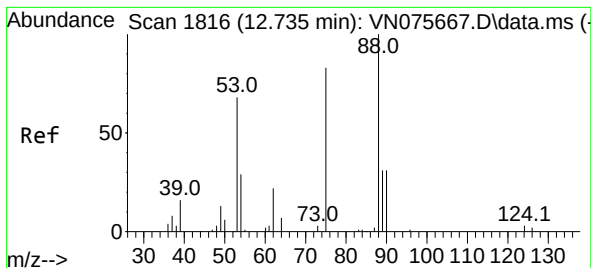
Tgt Ion: 105 Resp: 838214

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6

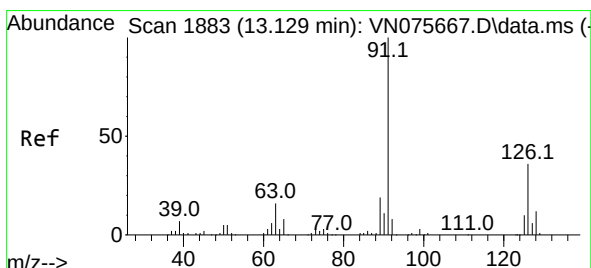
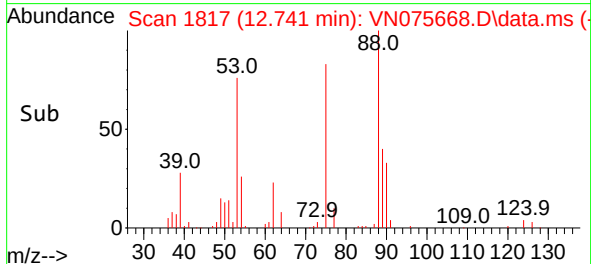
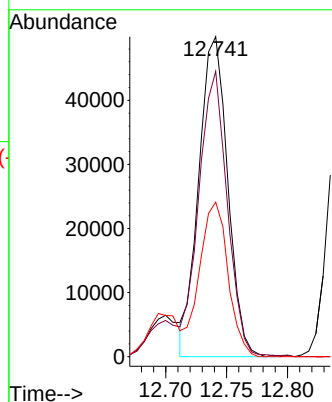
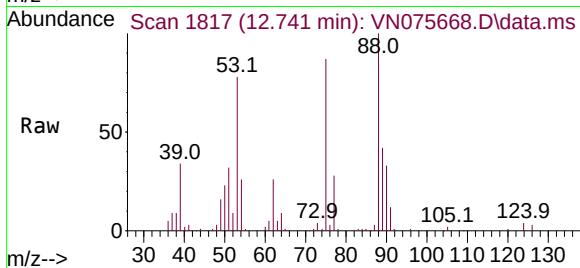




#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.896 ug/l  
RT: 12.741 min Scan# 1816  
Delta R.T. 0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

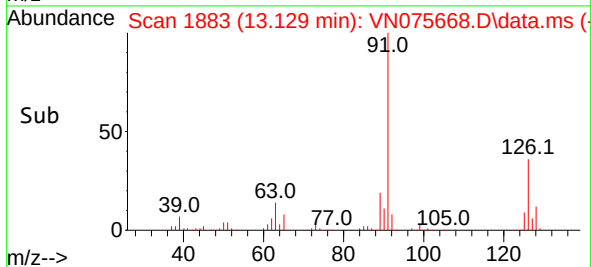
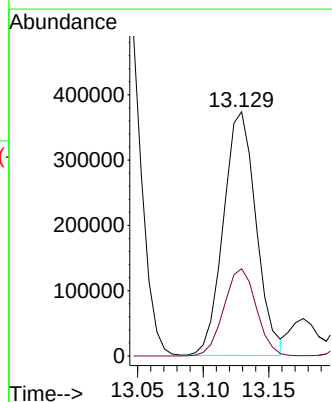
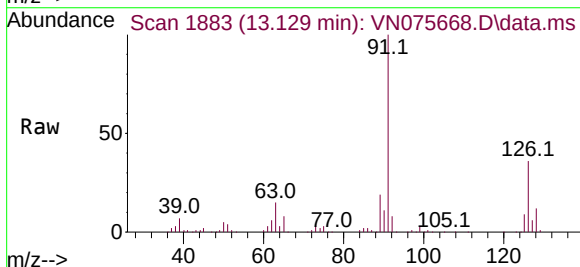
Instrument :  
MSVOA\_N  
ClientSampleId :

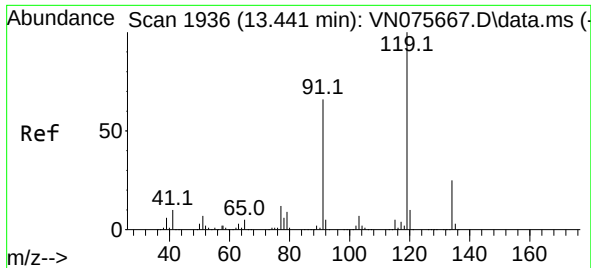
Tgt Ion: 75 Resp: 82686  
Ion Ratio Lower Upper  
75 100  
53 99.9 72.4 108.6  
89 48.1 36.6 55.0



#82  
4-Chlorotoluene  
Concen: 75.918 ug/l  
RT: 13.129 min Scan# 1883  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 91 Resp: 647507  
Ion Ratio Lower Upper  
91 100  
126 35.4 17.8 53.4

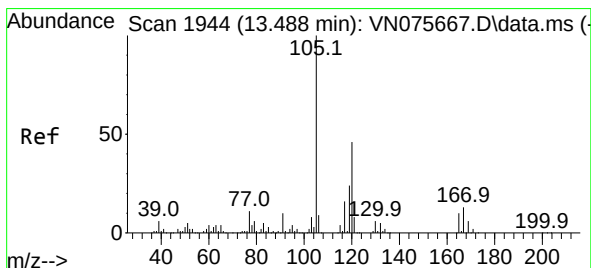
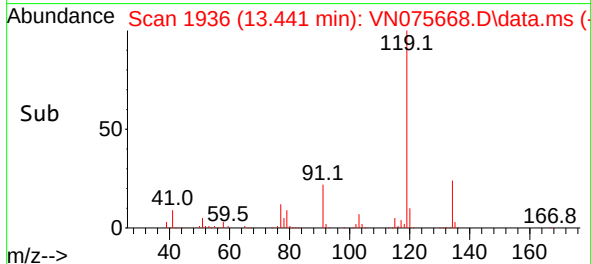
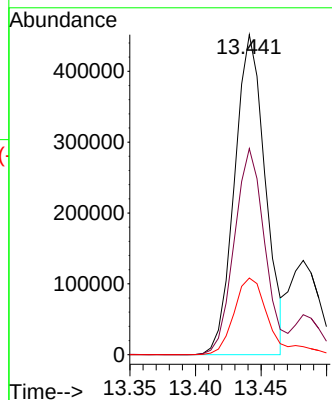
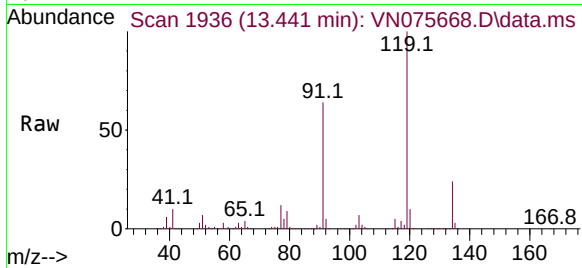




#83  
 tert-Butylbenzene  
 Concen: 77.948 ug/l  
 RT: 13.441 min Scan# 1936  
 Delta R.T. 0.000 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

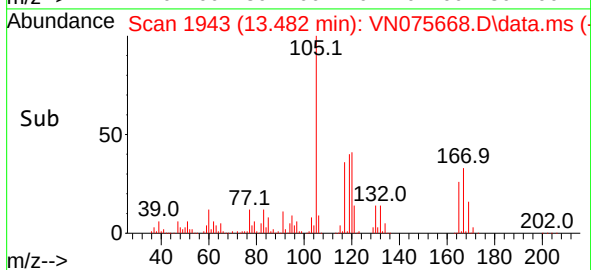
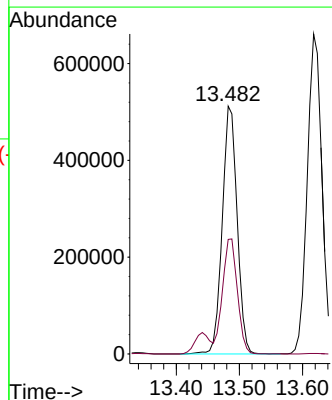
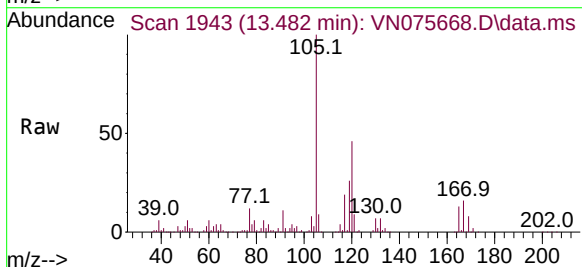
Instrument :  
 MSVOA\_N  
 ClientSampleId :

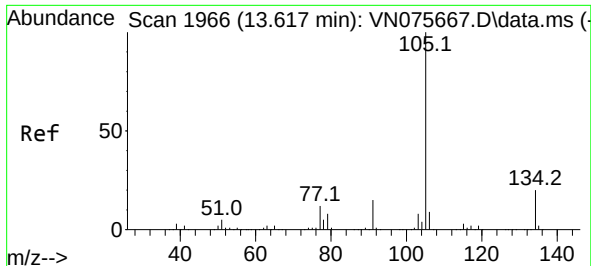
Tgt Ion:119 Resp: 735758  
 Ion Ratio Lower Upper  
 119 100  
 91 64.6 31.9 95.9  
 134 27.3 13.9 41.7



#84  
 1,2,4-Trimethylbenzene  
 Concen: 80.220 ug/l  
 RT: 13.482 min Scan# 1943  
 Delta R.T. -0.006 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

Tgt Ion:105 Resp: 839219  
 Ion Ratio Lower Upper  
 105 100  
 120 46.3 23.1 69.2

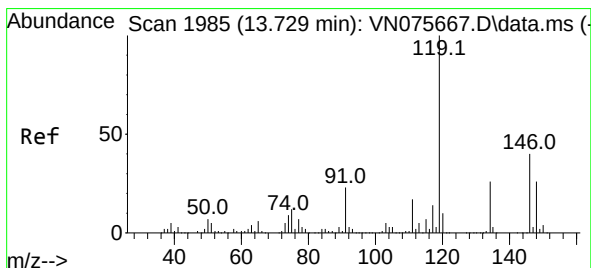
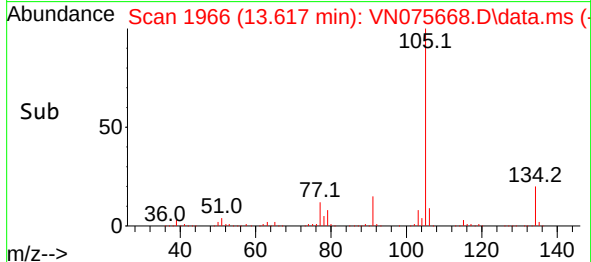
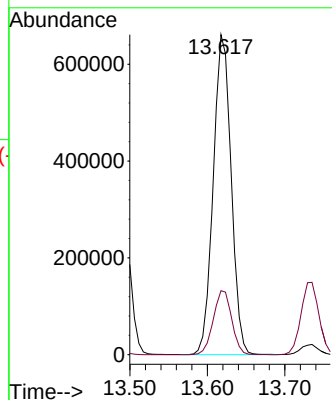
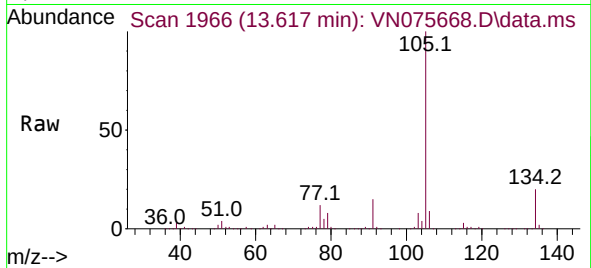




#85  
 sec-Butylbenzene  
 Concen: 81.890 ug/l  
 RT: 13.617 min Scan# 1966  
 Delta R.T. 0.000 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

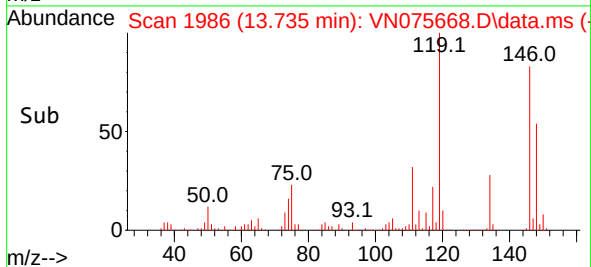
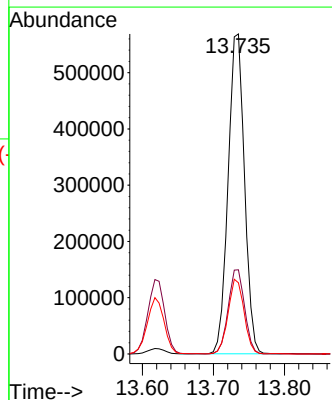
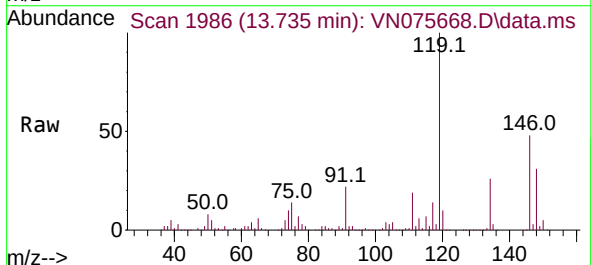
Instrument :  
 MSVOA\_N  
 ClientSampleId :

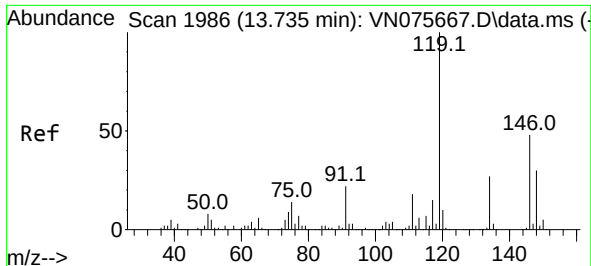
Tgt Ion:105 Resp: 1062646  
 Ion Ratio Lower Upper  
 105 100  
 134 20.5 10.2 30.6



#86  
 p-Isopropyltoluene  
 Concen: 83.814 ug/l  
 RT: 13.735 min Scan# 1986  
 Delta R.T. 0.006 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

Tgt Ion:119 Resp: 910022  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 13.3 39.9  
 91 22.8 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 77.087 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

ClientSampleId :

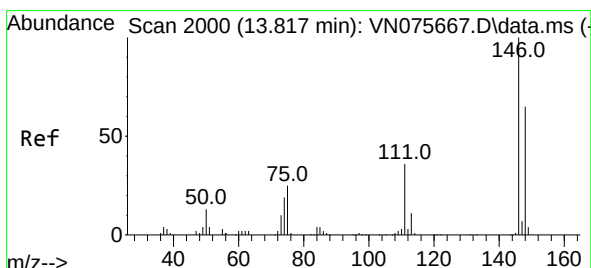
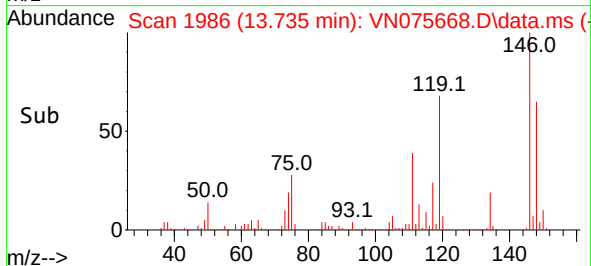
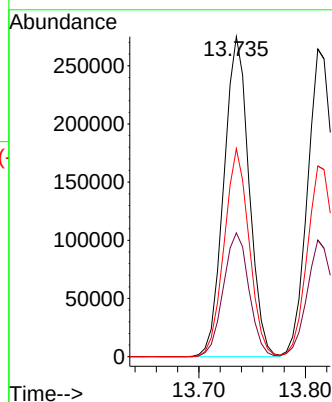
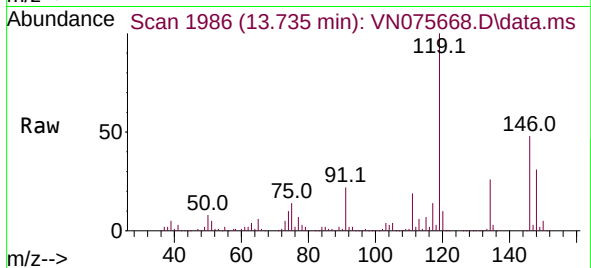
Tgt Ion:146 Resp: 451362

Ion Ratio Lower Upper

146 100

111 39.4 19.8 59.3

148 64.3 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 75.461 ug/l

RT: 13.812 min Scan# 1999

Delta R.T. -0.006 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

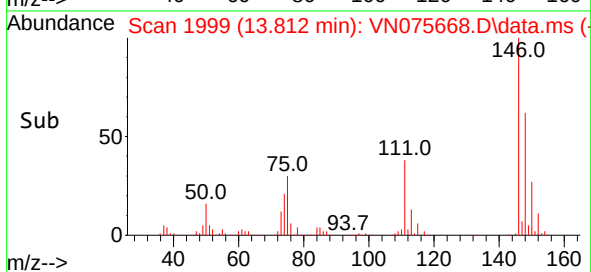
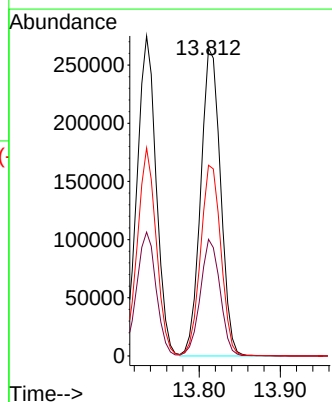
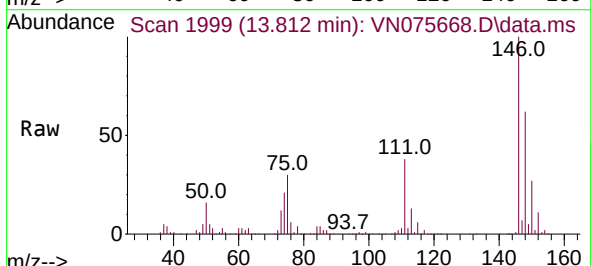
Tgt Ion:146 Resp: 449431

Ion Ratio Lower Upper

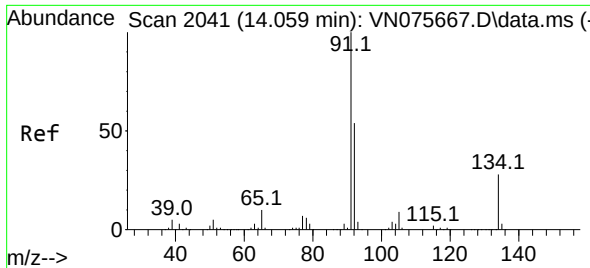
146 100

111 37.4 19.1 57.1

148 63.5 32.1 96.3



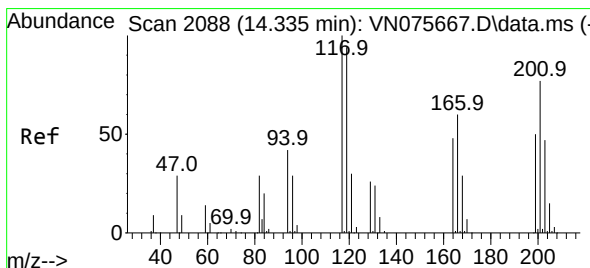
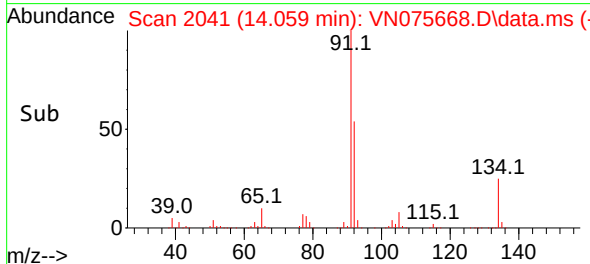
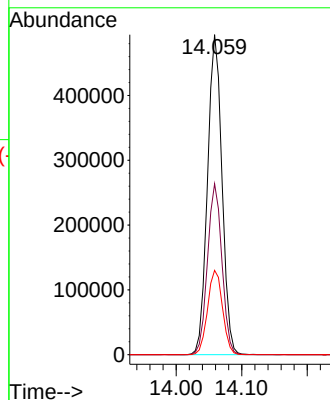
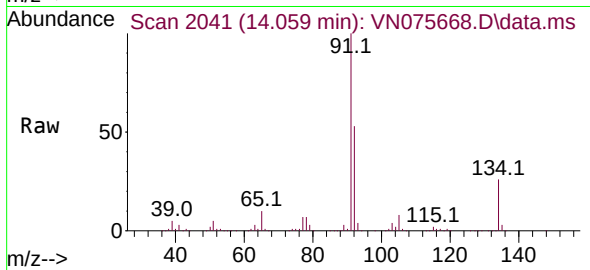




#89  
n-Butylbenzene  
Concen: 87.224 ug/l  
RT: 14.059 min Scan# 2041  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

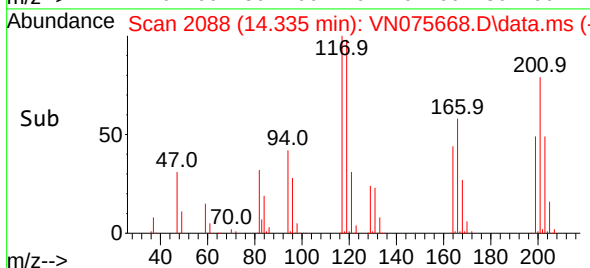
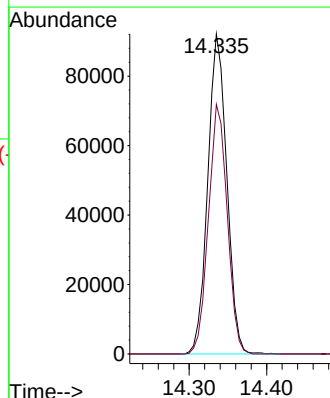
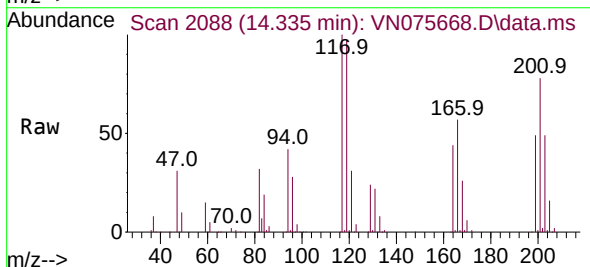
Instrument :  
MSVOA\_N  
ClientSampleId :

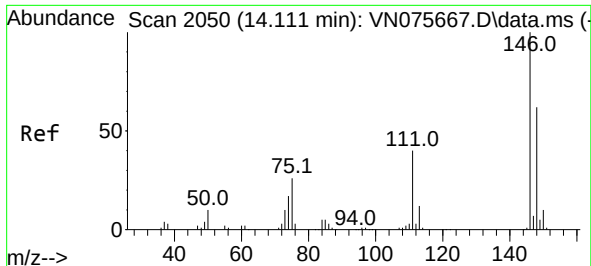
Tgt Ion: 91 Resp: 759062  
Ion Ratio Lower Upper  
91 100  
92 53.1 26.7 80.1  
134 27.2 13.9 41.7



#90  
Hexachloroethane  
Concen: 84.451 ug/l  
RT: 14.335 min Scan# 2088  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion: 117 Resp: 157061  
Ion Ratio Lower Upper  
117 100  
201 77.1 39.2 117.6





#91

1,2-Dichlorobenzene

Concen: 75.805 ug/l

RT: 14.106 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

Instrument :

MSVOA\_N

ClientSampleId :

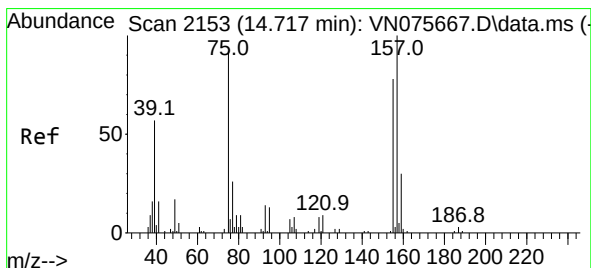
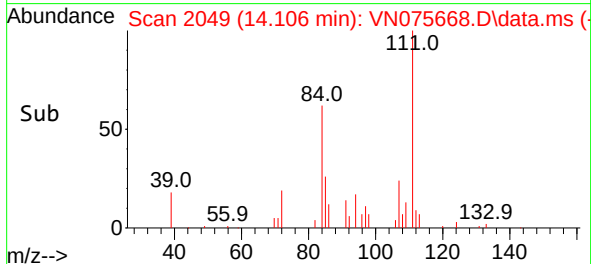
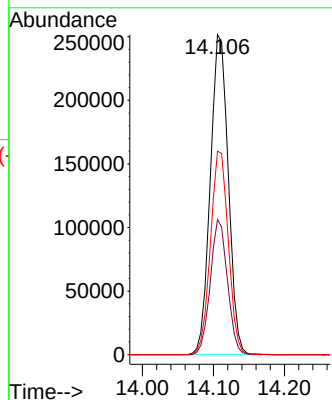
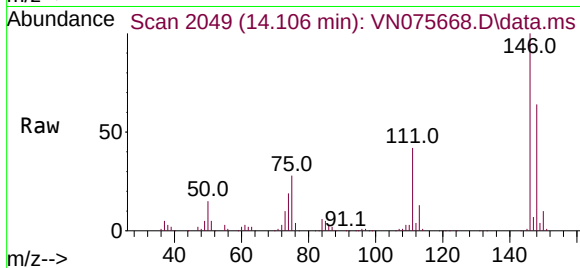
Tgt Ion:146 Resp: 441667

Ion Ratio Lower Upper

146 100

111 40.3 20.1 60.3

148 63.3 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 82.777 ug/l

RT: 14.723 min Scan# 2154

Delta R.T. 0.006 min

Lab File: VN075668.D

Acq: 09 Dec 2022 14:33

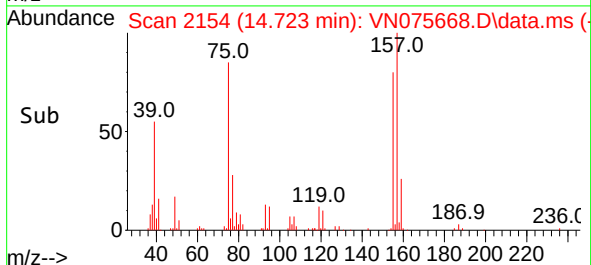
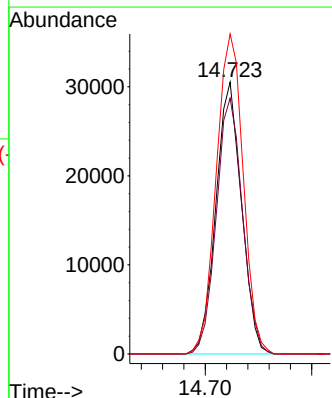
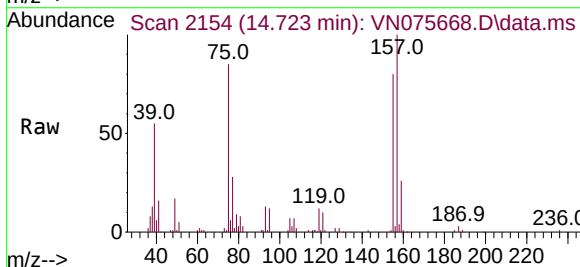
Tgt Ion: 75 Resp: 50870

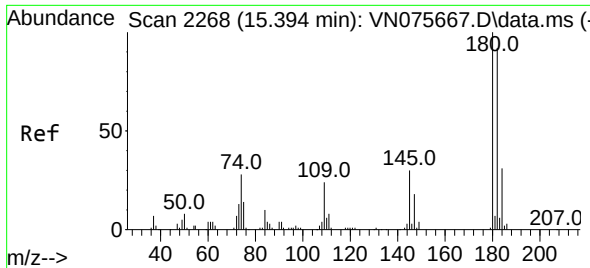
Ion Ratio Lower Upper

75 100

155 96.2 48.4 145.2

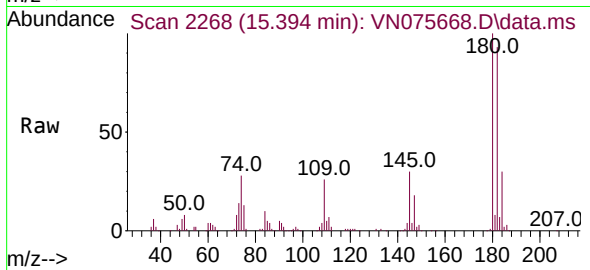
157 123.8 63.5 190.6



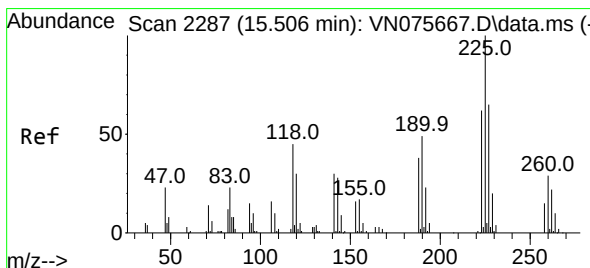
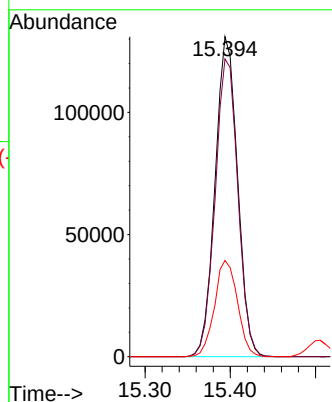
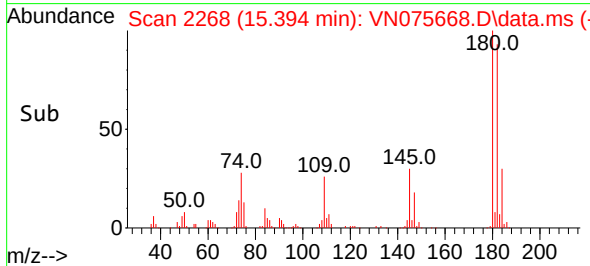


#93  
 1,2,4-Trichlorobenzene  
 Concen: 85.765 ug/l  
 RT: 15.394 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :

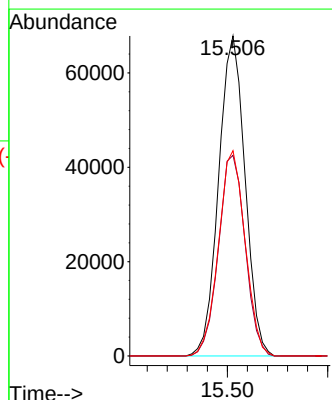
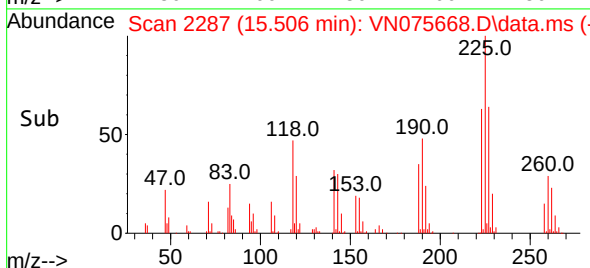
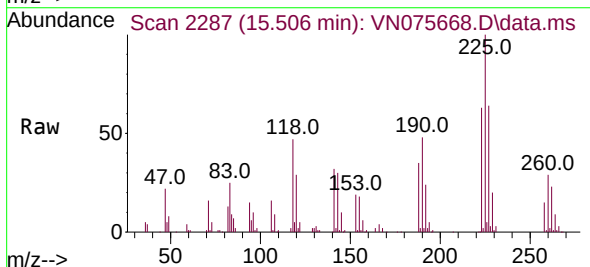


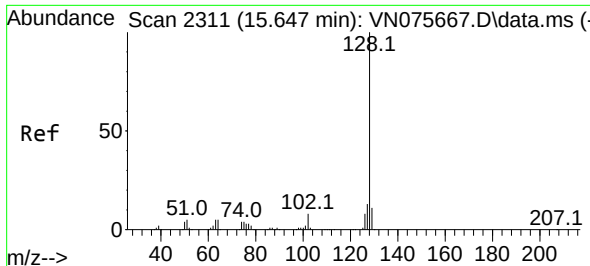
Tgt Ion:180 Resp: 239908  
 Ion Ratio Lower Upper  
 180 100  
 182 94.2 47.1 141.3  
 145 30.7 15.2 45.5



#94  
 Hexachlorobutadiene  
 Concen: 78.006 ug/l  
 RT: 15.506 min Scan# 2287  
 Delta R.T. 0.000 min  
 Lab File: VN075668.D  
 Acq: 09 Dec 2022 14:33

Tgt Ion:225 Resp: 123803  
 Ion Ratio Lower Upper  
 225 100  
 223 63.3 31.4 94.2  
 227 64.7 31.3 93.9

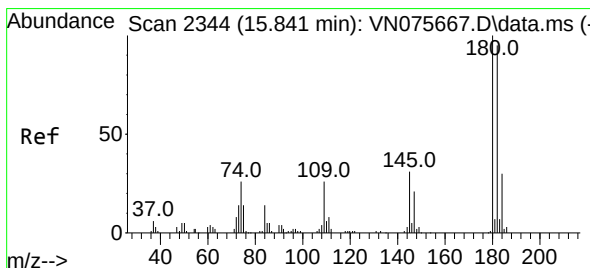
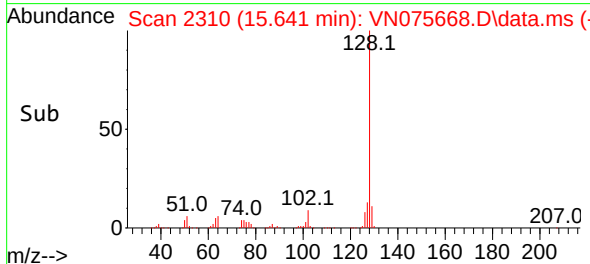
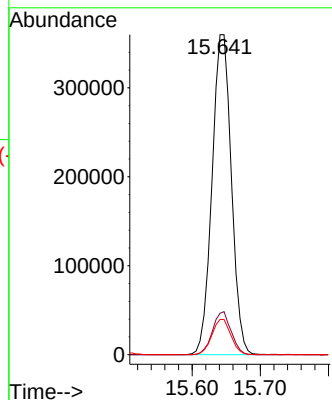
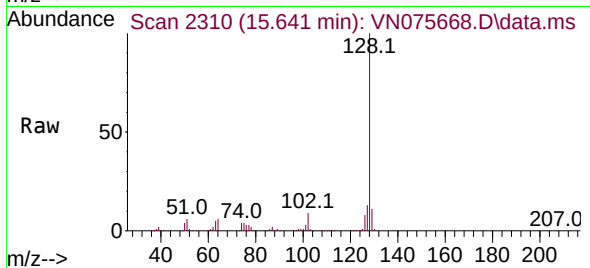




#95  
Naphthalene  
Concen: 85.895 ug/l  
RT: 15.641 min Scan# 2311  
Delta R.T. -0.006 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:128 Resp: 710133  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.2 15.4  
129 10.9 8.4 12.6



#96  
1,2,3-Trichlorobenzene  
Concen: 83.416 ug/l  
RT: 15.841 min Scan# 2344  
Delta R.T. 0.000 min  
Lab File: VN075668.D  
Acq: 09 Dec 2022 14:33

Tgt Ion:180 Resp: 229279  
Ion Ratio Lower Upper  
180 100  
182 95.3 46.8 140.4  
145 32.1 15.6 46.8

