

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050823\  
 Data File : VN077614.D  
 Acq On : 08 May 2023 13:00  
 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN050823

Quant Time: May 09 06:00:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N050823W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue May 09 05:58:09 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Bromochloromethane        | 7.819          | 128  | 117933              | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.107          | 114  | 713738              | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.871         | 117  | 631100              | 30.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.583          | 65   | 257548              | 30.367  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 101.233% |         |        |          |
| 60) 4-Bromofluorobenzene     | 12.854         | 95   | 297797              | 29.676  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 98.933%  |         |        |          |
| 63) Toluene-d8               | 10.566         | 98   | 874718              | 30.009  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 100.033% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.137          | 85   | 161703              | 20.884  | ug/l   | 90       |
| 3) Chloromethane             | 2.372          | 50   | 122335              | 20.790  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.525          | 62   | 176561              | 19.500  | ug/l   | 98       |
| 5) Bromomethane              | 2.966          | 94   | 140357              | 23.255  | ug/l   | 98       |
| 6) Chloroethane              | 3.131          | 64   | 120988              | 20.453  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.501          | 101  | 238063              | 19.332  | ug/l   | 88       |
| 8) Diethyl Ether             | 3.972          | 74   | 84299               | 21.720  | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 4.378          | 101  | 138942              | 20.903  | ug/l   | 97       |
| 10) 1,1-Dichloroethene       | 4.348          | 96   | 128275              | 20.415  | ug/l   | 90       |
| 11) Methyl Iodide            | 4.595          | 142  | 198897              | 20.352  | ug/l   | 97       |
| 12) Methyl Acetate           | 5.037          | 43   | 162299              | 21.368  | ug/l # | 82       |
| 13) Acrolein                 | 4.190          | 56   | 87453               | 93.996  | ug/l   | 91       |
| 14) Acrylonitrile            | 5.731          | 53   | 242732              | 105.058 | ug/l   | 99       |
| 15) Acetone                  | 4.431          | 58   | 73226               | 104.425 | ug/l   | 88       |
| 16) Carbon Disulfide         | 4.719          | 76   | 310025              | 20.540  | ug/l   | 99       |
| 17) Allyl chloride           | 5.037          | 41   | 129894              | 19.915  | ug/l   | 87       |
| 18) Methylene Chloride       | 5.290          | 84   | 154497              | 20.231  | ug/l   | 90       |
| 19) trans-1,2-Dichloroethene | 5.795          | 96   | 145251              | 20.548  | ug/l   | 97       |
| 20) Diisopropyl ether        | 6.684          | 45   | 321644              | 20.276  | ug/l # | 86       |
| 21) 1,1-Dichloroethane       | 6.572          | 63   | 245086              | 21.062  | ug/l   | 97       |
| 22) cis-1,2-Dichloroethene   | 7.489          | 96   | 177444              | 20.832  | ug/l   | 90       |
| 23) tert-Butyl Alcohol       | 5.525          | 59   | 54536               | 60.253  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.801          | 73   | 443751              | 20.864  | ug/l   | 96       |
| 25) Chloroform               | 7.972          | 83   | 288204              | 20.779  | ug/l   | 91       |
| 26) Cyclohexane              | 8.260          | 56   | 196313              | 20.551  | ug/l # | 95       |
| 29) 1,1-Dichloropropene      | 8.378          | 75   | 201818              | 19.642  | ug/l   | 96       |
| 30) 2-Butanone               | 7.489          | 43   | 290759              | 106.164 | ug/l   | 91       |
| 31) 2,2-Dichloropropane      | 7.495          | 77   | 241109              | 20.142  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.172          | 97   | 263587              | 19.822  | ug/l   | 96       |
| 33) Carbon Tetrachloride     | 8.366          | 117  | 223116              | 19.840  | ug/l   | 95       |
| 34) Benzene                  | 8.613          | 78   | 613625              | 19.778  | ug/l   | 96       |
| 35) Methacrylonitrile        | 7.784          | 41   | 66764               | 21.477  | ug/l   | 87       |
| 36) 1,2-Dichloroethane       | 8.672          | 62   | 206256              | 19.941  | ug/l   | 100      |
| 37) Trichloroethene          | 9.354          | 130  | 156504              | 19.514  | ug/l   | 97       |
| 38) Methylcyclohexane        | 9.607          | 83   | 266714              | 20.160  | ug/l   | 95       |
| 39) 1,2-Dichloropropane      | 9.625          | 63   | 141706              | 19.728  | ug/l   | 98       |
| 40) Dibromomethane           | 9.713          | 93   | 113019              | 19.958  | ug/l   | 98       |
| 41) Bromodichloromethane     | 9.889          | 83   | 224343              | 19.674  | ug/l   | 97       |
| 42) Vinyl Acetate            | 6.613          | 43   | 837767              | 82.463  | ug/l # | 90       |

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 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

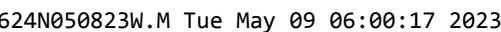
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN050823

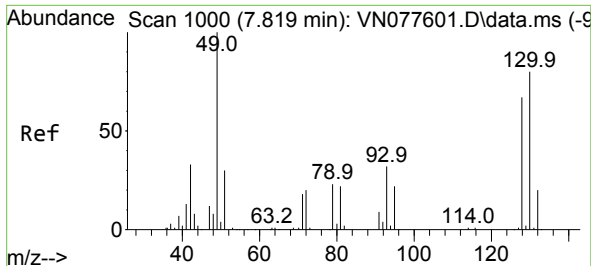
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N050823W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue May 09 05:58:09 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.566  | 43   | 119680   | 20.333  | ug/l # | 92       |
| 45) 1,4-Dioxane               | 9.695  | 88   | 59429    | 443.620 | ug/l # | 72       |
| 46) Methyl methacrylate       | 9.683  | 41   | 99139    | 20.483  | ug/l   | 85       |
| 47) n-amyl Acetate            | 12.495 | 43   | 186262   | 20.068  | ug/l   | 95       |
| 48) t-1,3-Dichloropropene     | 10.836 | 75   | 223188   | 19.414  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene   | 10.313 | 75   | 244181   | 19.379  | ug/l   | 95       |
| 50) 1,1,2-Trichloroethane     | 11.019 | 97   | 160731   | 19.709  | ug/l   | 91       |
| 51) Ethyl methacrylate        | 10.877 | 69   | 216461   | 20.561  | ug/l   | 89       |
| 52) 1,3-Dichloropropane       | 11.166 | 76   | 260719   | 19.773  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.360 | 129  | 164343   | 19.369  | ug/l   | 100      |
| 54) 1,2-Dibromoethane         | 11.472 | 107  | 161206   | 19.900  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.160 | 63   | 484224   | 101.714 | ug/l   | 97       |
| 56) Bromoform                 | 12.583 | 173  | 99683    | 19.966  | ug/l   | 98       |
| 58) 4-Methyl-2-Pentanone      | 10.448 | 43   | 618608   | 106.441 | ug/l # | 92       |
| 59) 2-Hexanone                | 11.195 | 43   | 451417   | 107.601 | ug/l   | 94       |
| 61) Tetrachloroethene         | 11.107 | 164  | 124725   | 20.432  | ug/l   | 96       |
| 62) Toluene                   | 10.630 | 91   | 715885   | 20.489  | ug/l   | 99       |
| 64) Chlorobenzene             | 11.895 | 112  | 435607   | 20.272  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.960 | 131  | 159440   | 20.568  | ug/l   | 96       |
| 66) Ethyl Benzene             | 11.966 | 91   | 787237   | 20.334  | ug/l   | 97       |
| 67) m/p-Xylenes               | 12.071 | 106  | 622126   | 40.843  | ug/l   | 97       |
| 68) o-Xylene                  | 12.401 | 106  | 303948   | 20.248  | ug/l   | 97       |
| 69) Styrene                   | 12.413 | 104  | 488787   | 20.364  | ug/l   | 98       |
| 70) Isopropylbenzene          | 12.695 | 105  | 796307   | 20.424  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.942 | 83   | 212352   | 20.310  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane    | 12.995 | 75   | 258991   | 29.770  | ug/l   | 70       |
| 73) Bromobenzene              | 12.983 | 156  | 164429   | 20.169  | ug/l   | 91       |
| 74) n-propylbenzene           | 13.036 | 91   | 883920   | 20.276  | ug/l   | 98       |
| 75) 2-Chlorotoluene           | 13.124 | 91   | 534725   | 20.281  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 634313   | 20.586  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.742 | 75   | 60280    | 19.889  | ug/l   | 89       |
| 78) 4-Chlorotoluene           | 13.224 | 91   | 512430   | 19.905  | ug/l   | 98       |
| 79) tert-butylbenzene         | 13.442 | 119  | 568961   | 20.618  | ug/l   | 96       |
| 80) 1,2,4-Trimethylbenzene    | 13.489 | 105  | 604975   | 20.231  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 13.618 | 105  | 798232   | 20.608  | ug/l   | 98       |
| 82) p-Isopropyltoluene        | 13.730 | 119  | 629186   | 20.415  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.736 | 146  | 296851   | 19.608  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.813 | 146  | 294458   | 19.868  | ug/l   | 99       |
| 85) n-Butylbenzene            | 14.060 | 91   | 498242   | 19.651  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.336 | 117  | 117334   | 20.428  | ug/l   | 93       |
| 87) 1,2-Dichlorobenzene       | 14.107 | 146  | 291178   | 19.814  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.724 | 75   | 39310    | 20.689  | ug/l   | 95       |
| 89) 1,2,4-Trichlorobenzene    | 15.395 | 180  | 91228    | 18.018  | ug/l   | 96       |
| 90) Hexachlorobutadiene       | 15.507 | 225  | 61702    | 21.612  | ug/l   | 95       |
| 91) Naphthalene               | 15.648 | 128  | 328696   | 19.005  | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene    | 15.842 | 180  | 85918    | 18.426  | ug/l   | 99       |

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

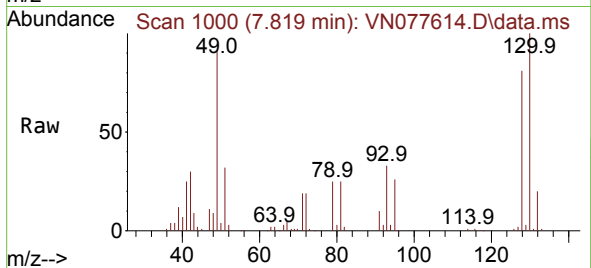
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N050823W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue May 09 05:58:09 2023  
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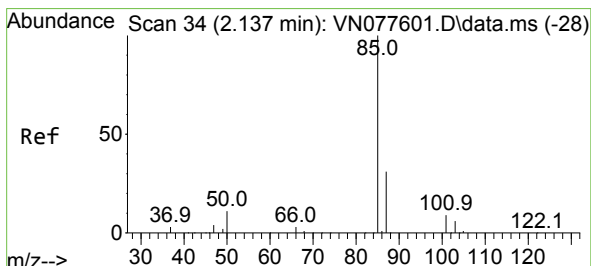
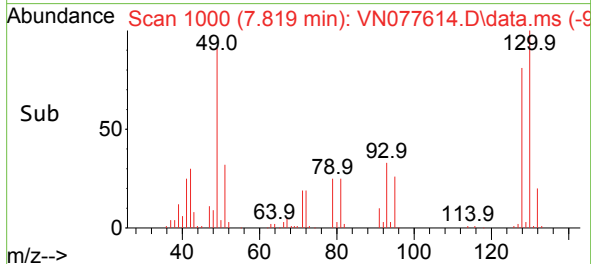
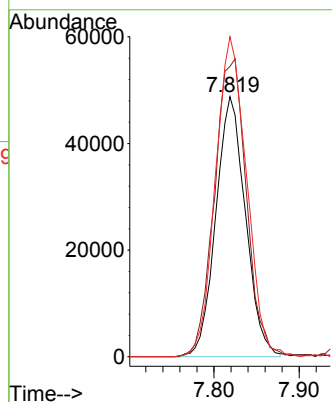


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.819 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

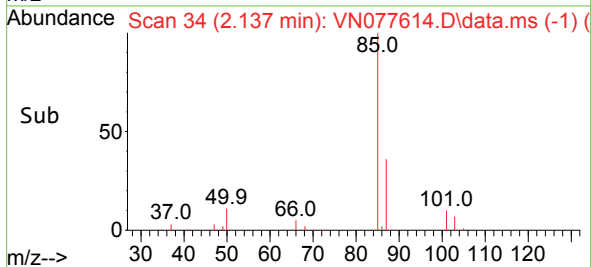
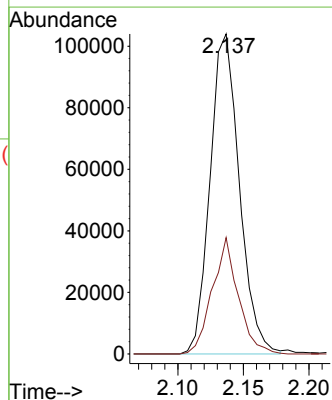
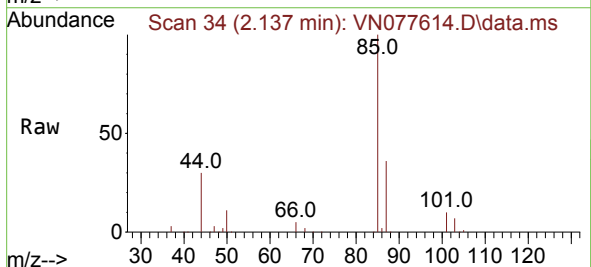


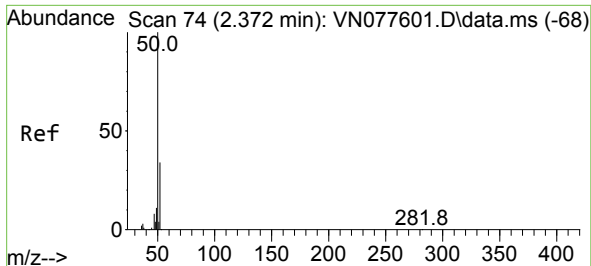
Tgt Ion:128 Resp: 117933  
Ion Ratio Lower Upper  
128 100  
49 123.7 0.0 369.8  
130 128.2 0.0 317.8



#2  
Dichlorodifluoromethane  
Concen: 20.884 ug/l  
RT: 2.137 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 85 Resp: 161703  
Ion Ratio Lower Upper  
85 100  
87 36.3 15.3 45.9

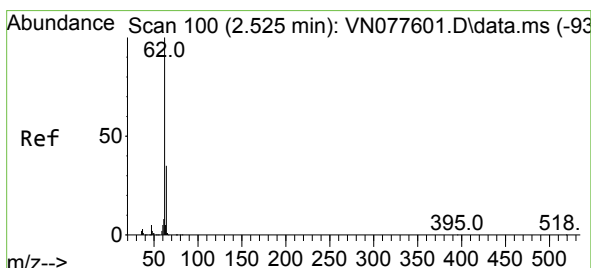
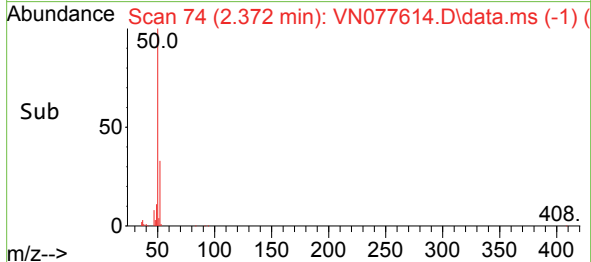
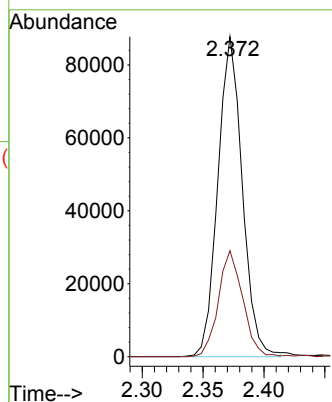
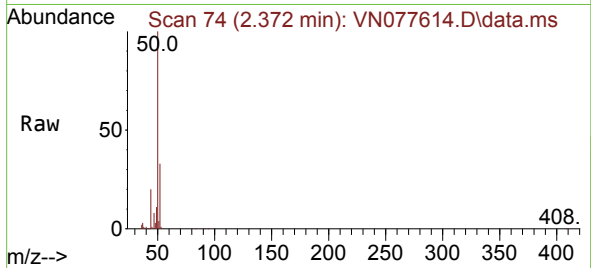




#3  
Chloromethane  
Concen: 20.790 ug/l  
RT: 2.372 min Scan# 74  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

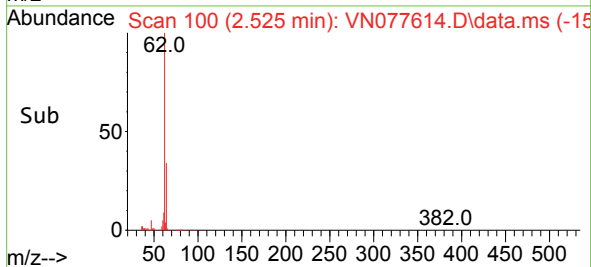
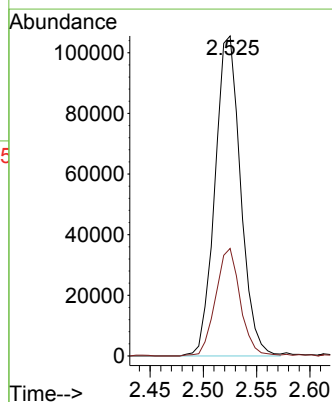
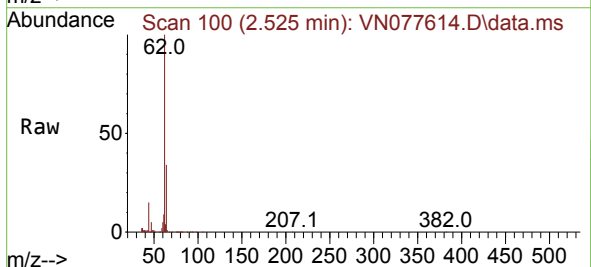
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

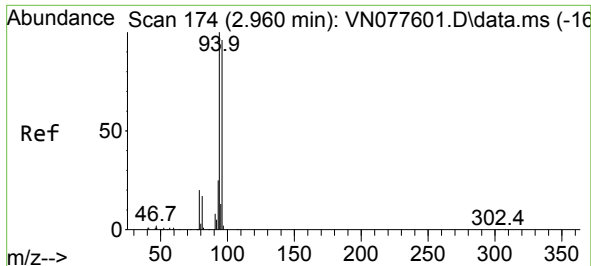
Tgt Ion: 50 Resp: 122335  
Ion Ratio Lower Upper  
50 100  
52 33.1 27.3 40.9



#4  
Vinyl Chloride  
Concen: 19.500 ug/l  
RT: 2.525 min Scan# 100  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 62 Resp: 176561  
Ion Ratio Lower Upper  
62 100  
64 33.7 27.8 41.6

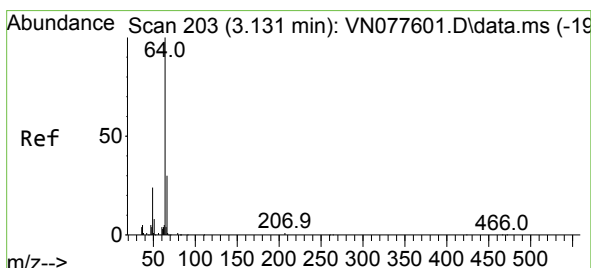
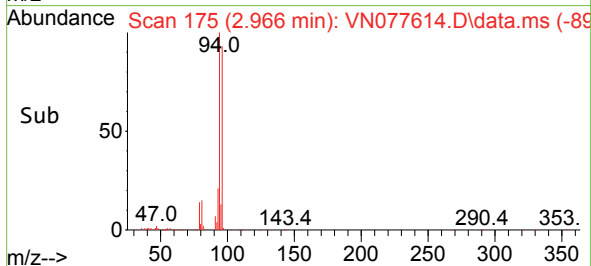
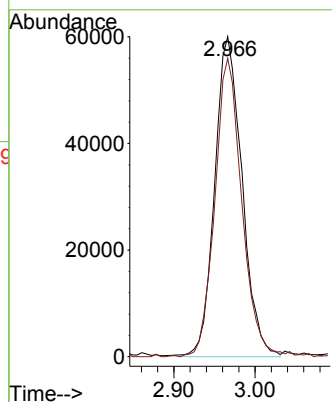
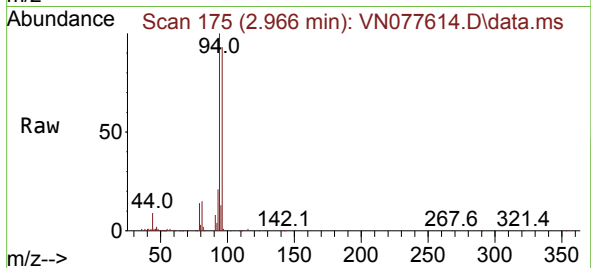




#5  
Bromomethane  
Concen: 23.255 ug/l  
RT: 2.966 min Scan# 174  
Delta R.T. 0.006 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

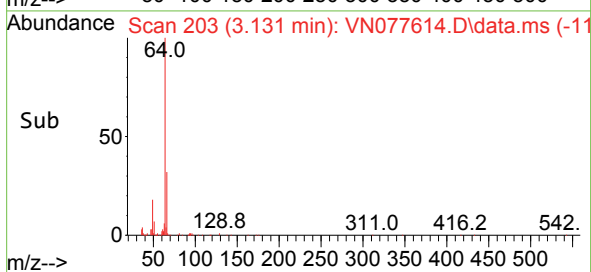
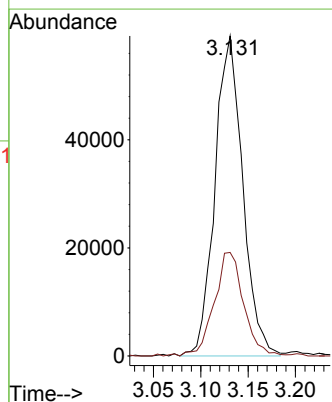
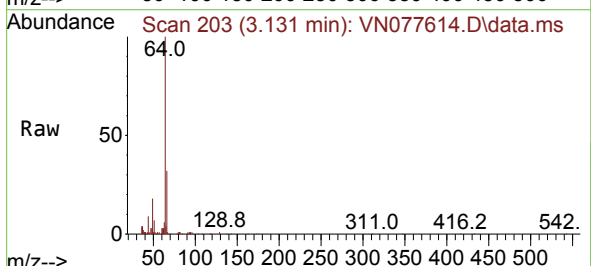
Instrument :  
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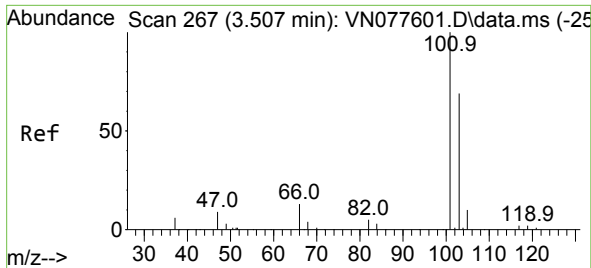
Tgt Ion: 94 Resp: 140357  
Ion Ratio Lower Upper  
94 100  
96 93.7 76.7 115.1



#6  
Chloroethane  
Concen: 20.453 ug/l  
RT: 3.131 min Scan# 203  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 64 Resp: 120988  
Ion Ratio Lower Upper  
64 100  
66 32.3 24.2 36.4

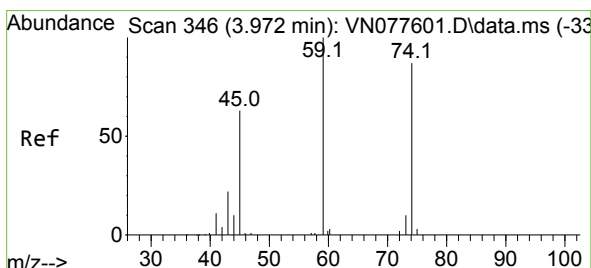
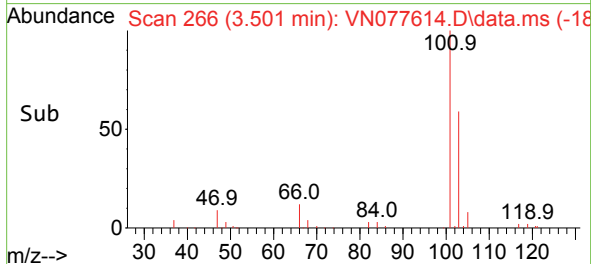
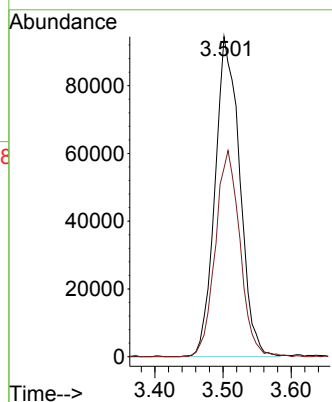
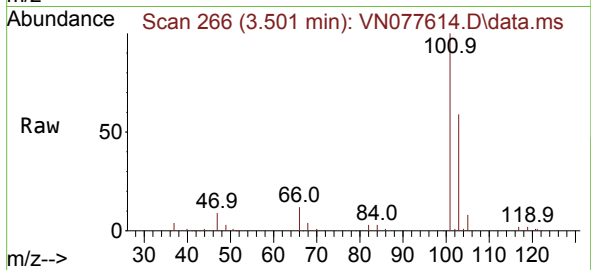




#7  
 Trichlorofluoromethane  
 Concen: 19.332 ug/l  
 RT: 3.501 min Scan# 201  
 Delta R.T. -0.006 min  
 Lab File: VN077614.D  
 Acq: 08 May 2023 13:00

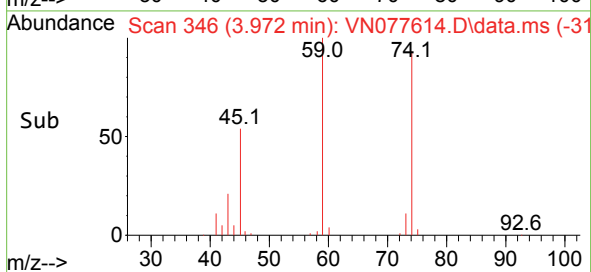
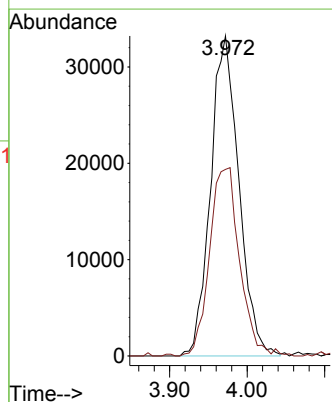
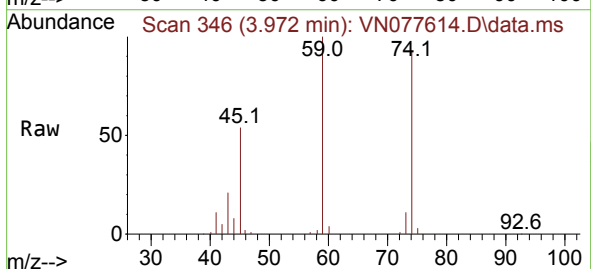
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 ClientSampleId :  
 ICVVN050823

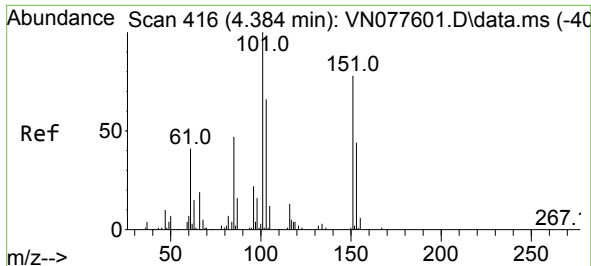
Tgt Ion:101 Resp: 238063  
 Ion Ratio Lower Upper  
 101 100  
 103 59.0 55.0 82.4



#8  
 Diethyl Ether  
 Concen: 21.720 ug/l  
 RT: 3.972 min Scan# 346  
 Delta R.T. 0.000 min  
 Lab File: VN077614.D  
 Acq: 08 May 2023 13:00

Tgt Ion: 74 Resp: 84299  
 Ion Ratio Lower Upper  
 74 100  
 45 61.9 14.8 133.2

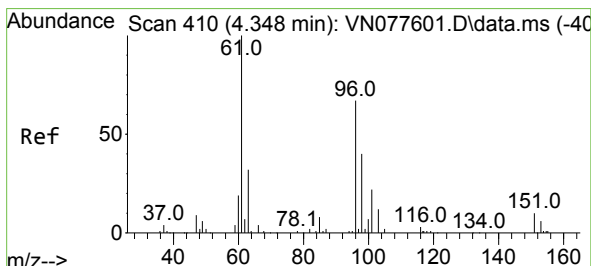
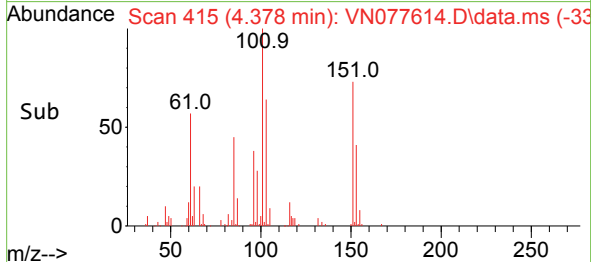
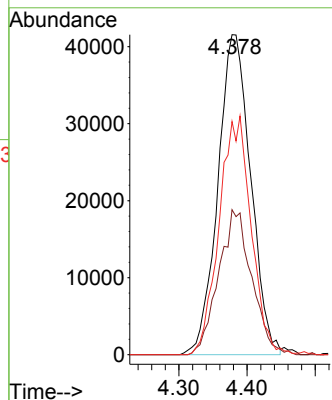
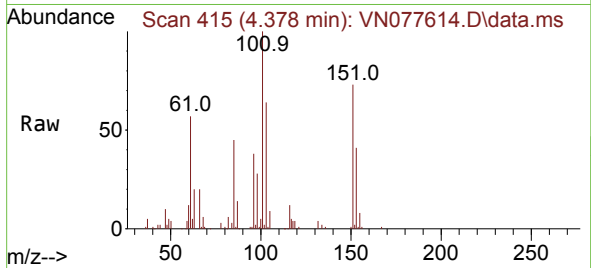




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.903 ug/l  
RT: 4.378 min Scan# 416  
Delta R.T. -0.006 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

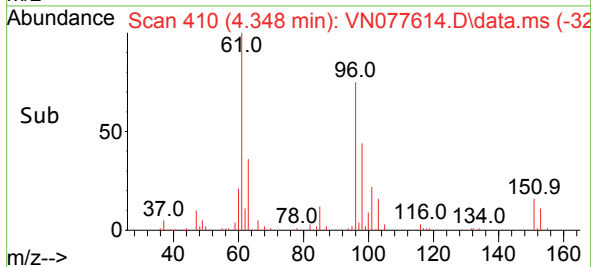
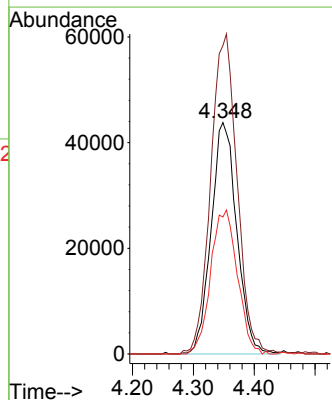
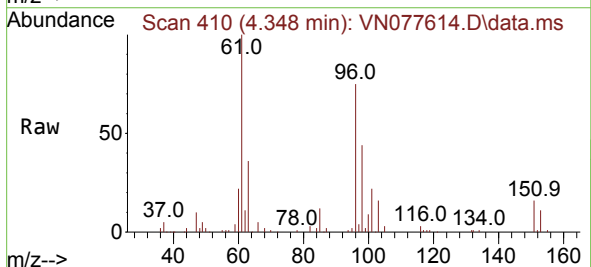
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

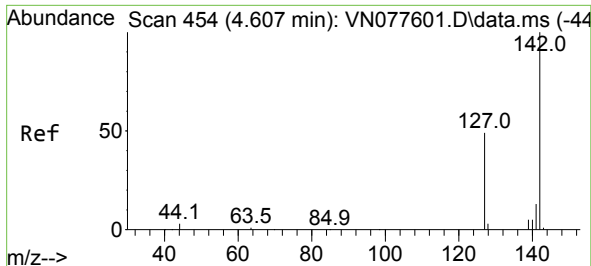
Tgt Ion:101 Resp: 138942  
Ion Ratio Lower Upper  
101 100  
85 45.7 0.0 92.6  
151 72.6 0.0 137.4



#10  
1,1-Dichloroethene  
Concen: 20.415 ug/l  
RT: 4.348 min Scan# 410  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

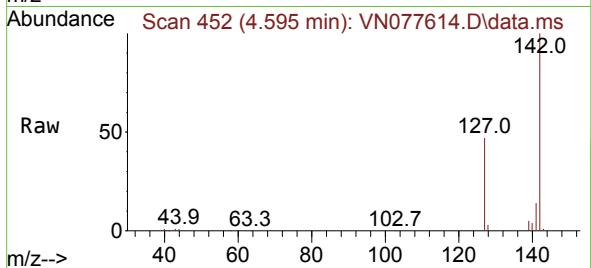
Tgt Ion: 96 Resp: 128275  
Ion Ratio Lower Upper  
96 100  
61 133.2 120.1 180.1  
98 59.2 48.3 72.5



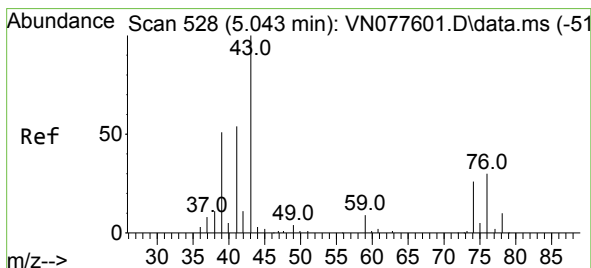
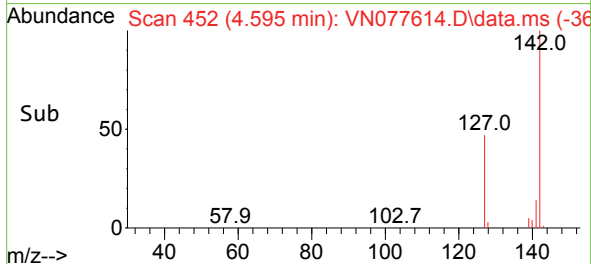
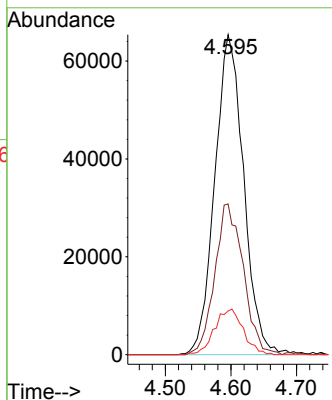


#11  
Methyl Iodide  
Concen: 20.352 ug/l  
RT: 4.595 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

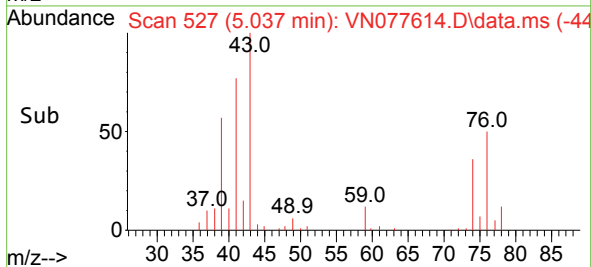
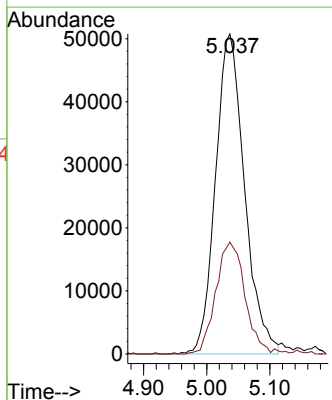
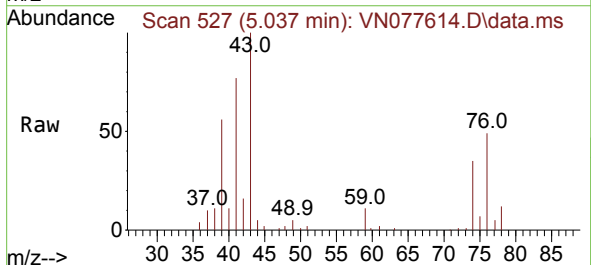


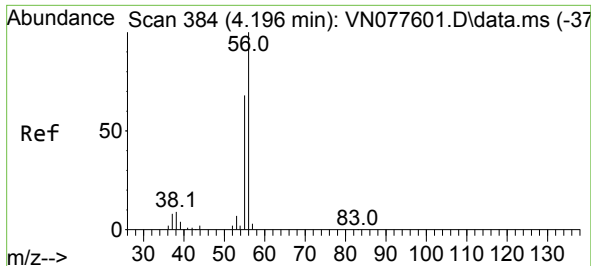
Tgt Ion:142 Resp: 198897  
Ion Ratio Lower Upper  
142 100  
127 46.9 24.6 73.6  
141 13.7 6.4 19.2



#12  
Methyl Acetate  
Concen: 21.368 ug/l  
RT: 5.037 min Scan# 527  
Delta R.T. -0.006 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 43 Resp: 162299  
Ion Ratio Lower Upper  
43 100  
74 35.0 20.6 31.0#

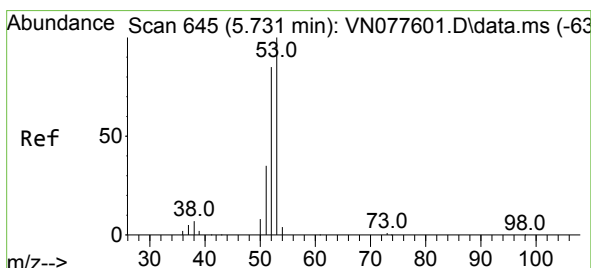
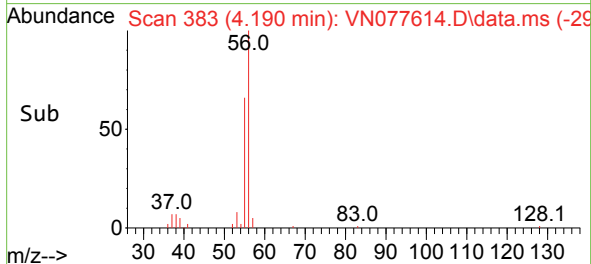
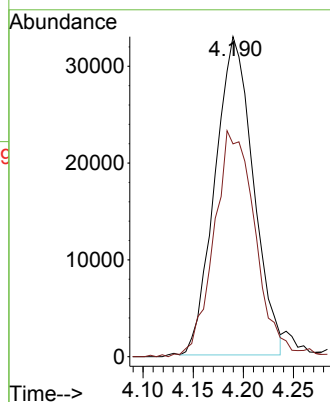
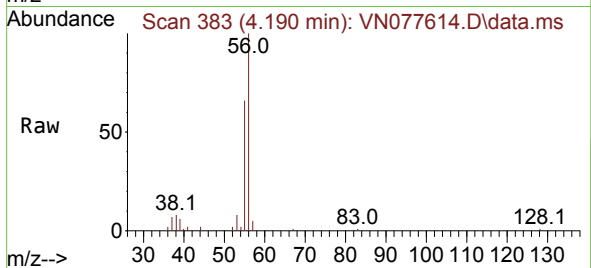




#13  
Acrolein  
Concen: 93.996 ug/l  
RT: 4.190 min Scan# 384  
Delta R.T. -0.006 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

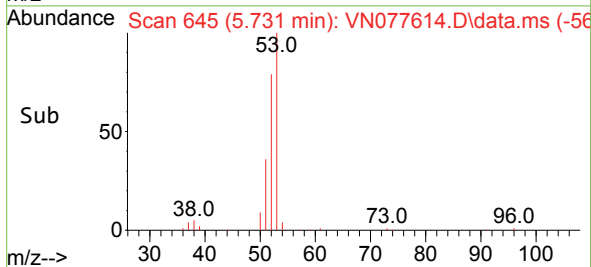
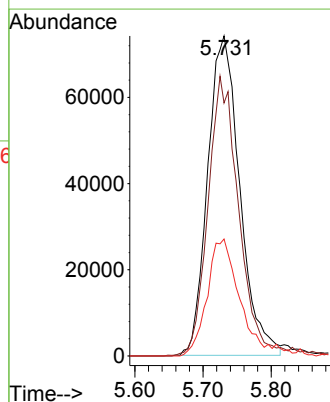
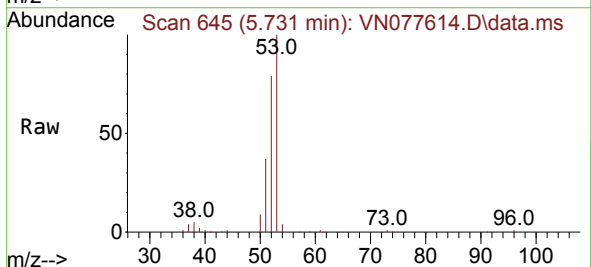
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

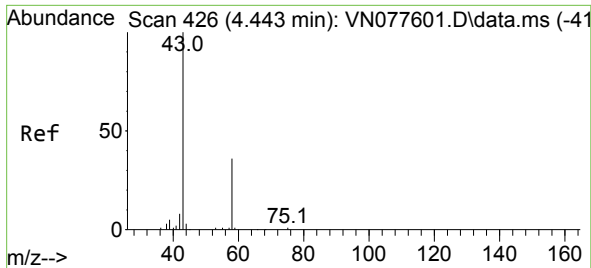
Tgt Ion: 56 Resp: 87453  
Ion Ratio Lower Upper  
56 100  
55 75.8 54.8 82.2



#14  
Acrylonitrile  
Concen: 105.058 ug/l  
RT: 5.731 min Scan# 645  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 53 Resp: 242732  
Ion Ratio Lower Upper  
53 100  
52 83.2 41.6 124.8  
51 36.6 17.6 52.9

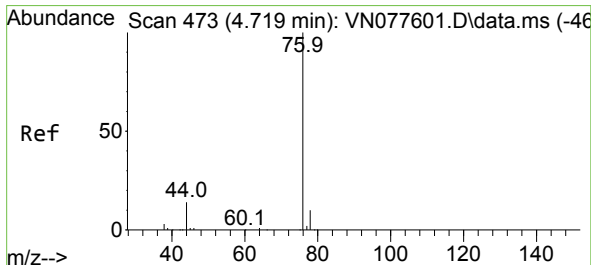
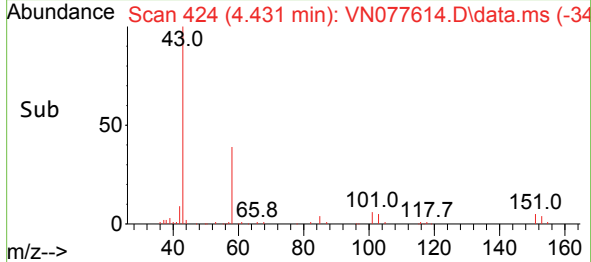
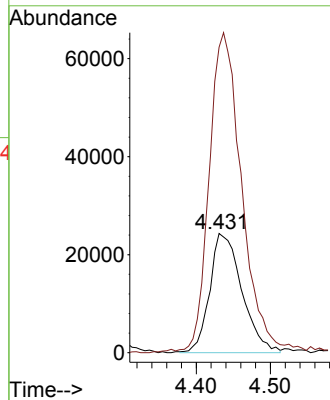
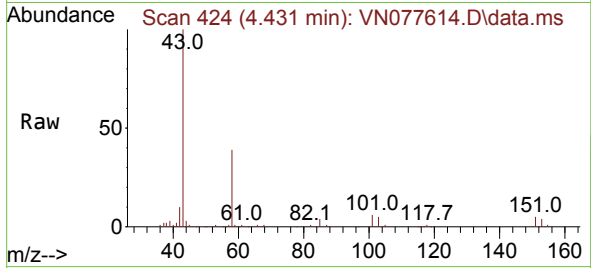




#15  
Acetone  
Concen: 104.425 ug/l  
RT: 4.431 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

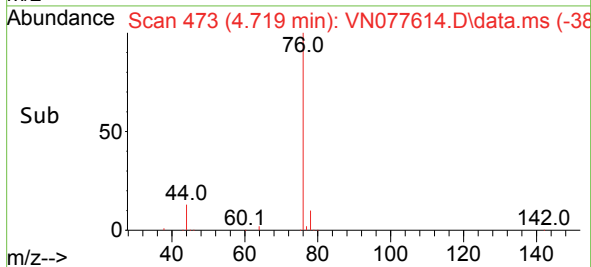
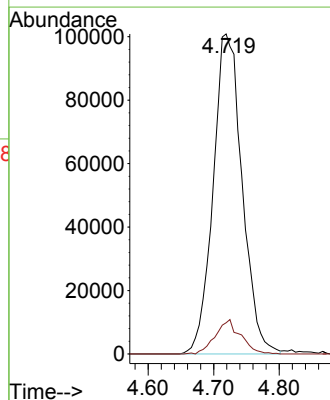
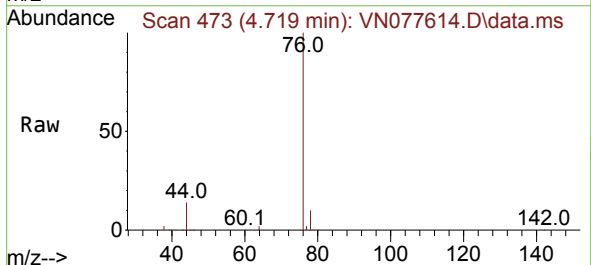
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

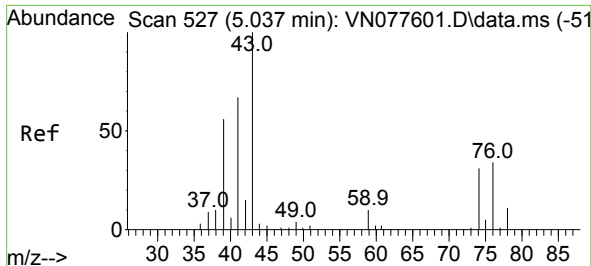
Tgt Ion: 58 Resp: 73226  
Ion Ratio Lower Upper  
58 100  
43 255.7 223.2 334.8



#16  
Carbon Disulfide  
Concen: 20.540 ug/l  
RT: 4.719 min Scan# 473  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 76 Resp: 310025  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.6 11.4

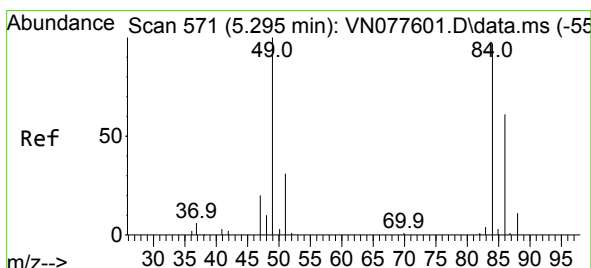
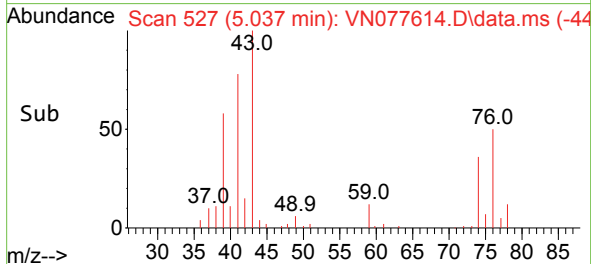
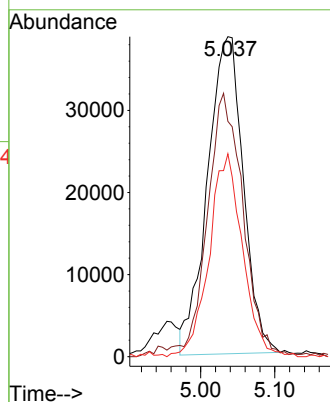
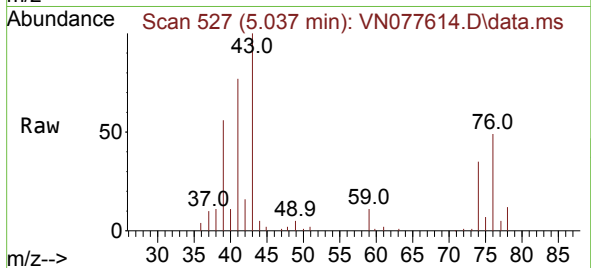




#17  
 Allyl chloride  
 Concen: 19.915 ug/l  
 RT: 5.037 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VN077614.D  
 Acq: 08 May 2023 13:00

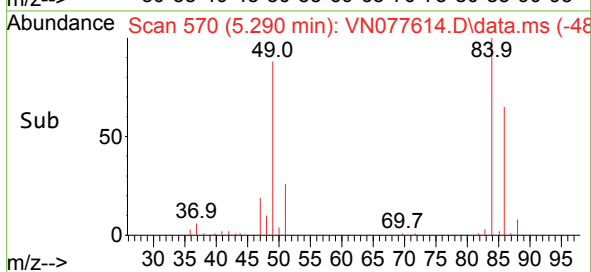
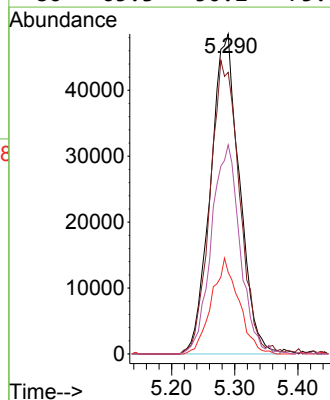
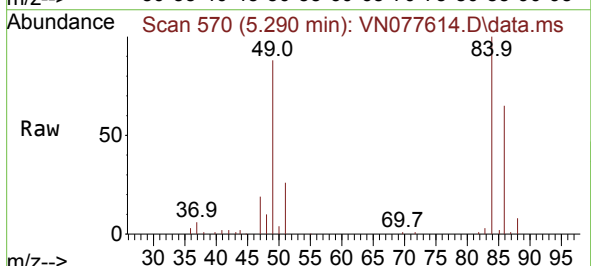
Instrument :  
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 ClientSampleId :  
 ICVVN050823

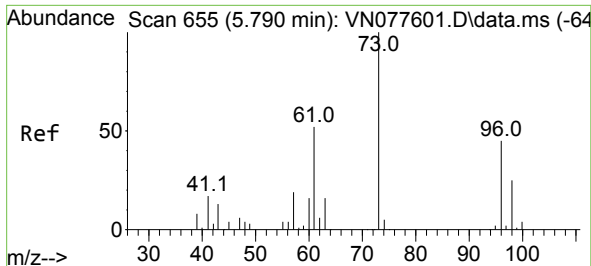
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 129894 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 73.4  | 39.5  | 118.3  |
| 76       | 62.8  | 23.4  | 70.3   |



#18  
 Methylene Chloride  
 Concen: 20.231 ug/l  
 RT: 5.290 min Scan# 570  
 Delta R.T. -0.005 min  
 Lab File: VN077614.D  
 Acq: 08 May 2023 13:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 154497 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 88.0  | 82.4  | 123.6  |
| 51       | 25.5  | 25.1  | 37.7   |
| 86       | 65.3  | 50.2  | 75.4   |





#19

trans-1,2-Dichloroethene

Concen: 20.548 ug/l

RT: 5.795 min Scan# 61

Delta R.T. 0.005 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

ICVNVN050823

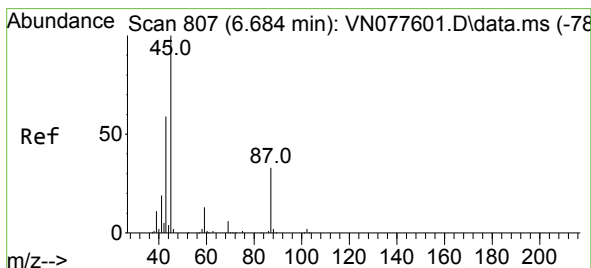
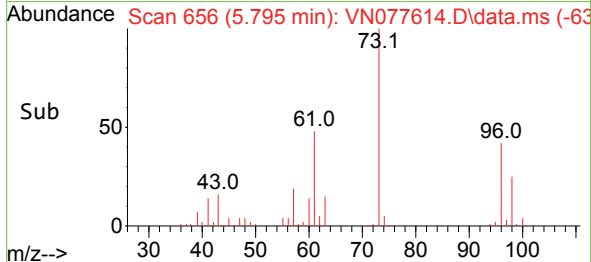
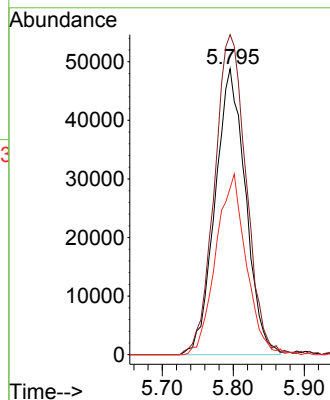
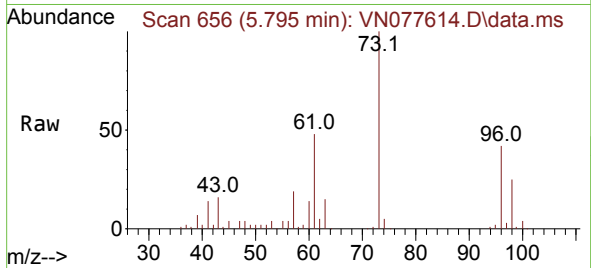
Tgt Ion: 96 Resp: 145251

Ion Ratio Lower Upper

96 100

61 111.9 92.4 138.6

98 58.2 44.8 67.2



#20

Diisopropyl ether

Concen: 20.276 ug/l

RT: 6.684 min Scan# 807

Delta R.T. -0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Tgt Ion: 45 Resp: 321644

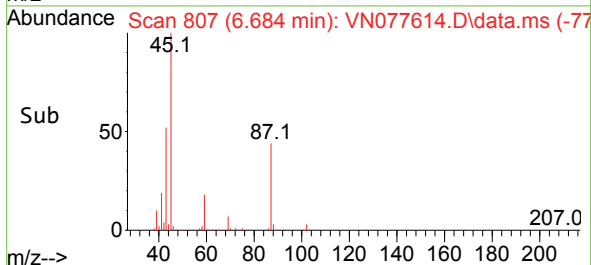
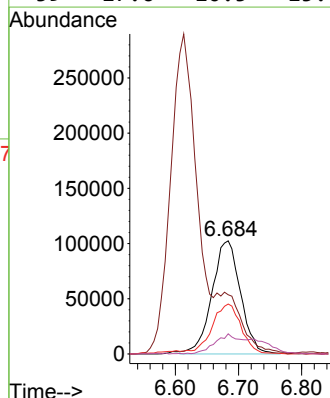
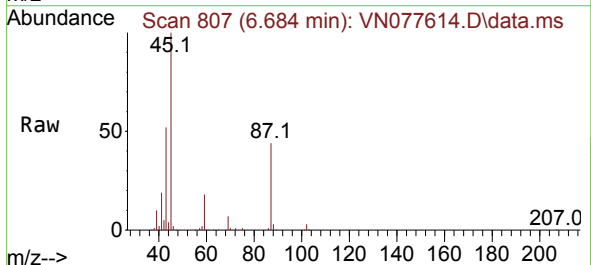
Ion Ratio Lower Upper

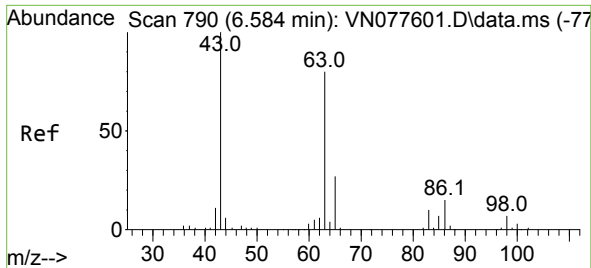
45 100

43 50.9 47.1 70.7

87 44.0 26.2 39.2#

59 17.6 10.5 15.7#

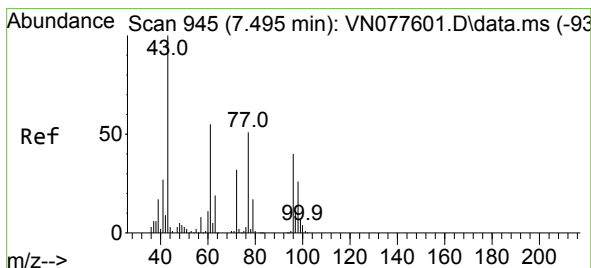
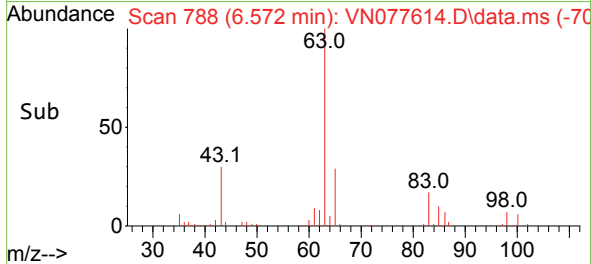
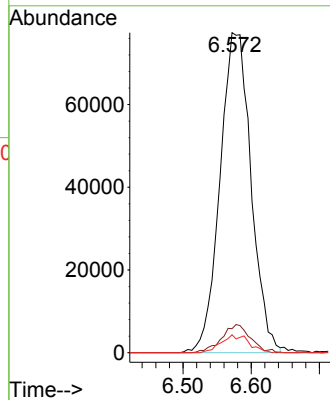
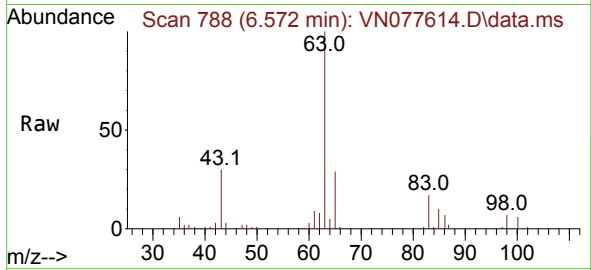




#21  
1,1-Dichloroethane  
Concen: 21.062 ug/l  
RT: 6.572 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

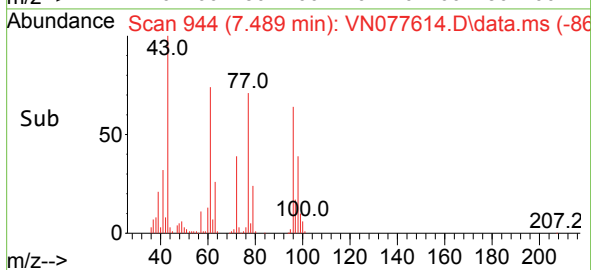
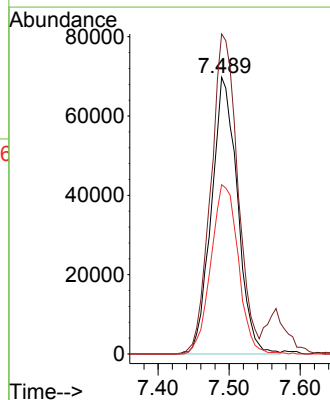
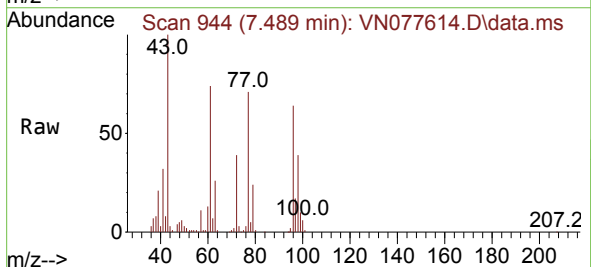
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

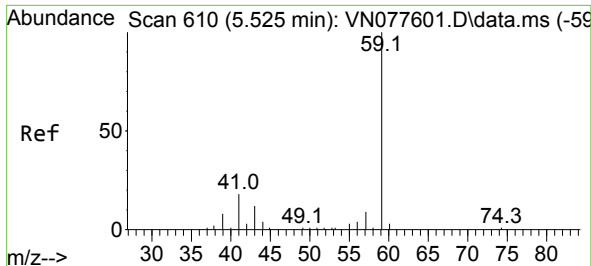
Tgt Ion: 63 Resp: 245086  
Ion Ratio Lower Upper  
63 100  
98 7.5 4.3 13.1  
100 5.6 2.3 6.8



#22  
cis-1,2-Dichloroethene  
Concen: 20.832 ug/l  
RT: 7.489 min Scan# 944  
Delta R.T. -0.006 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 96 Resp: 177444  
Ion Ratio Lower Upper  
96 100  
61 119.4 109.4 164.0  
98 64.1 51.2 76.8

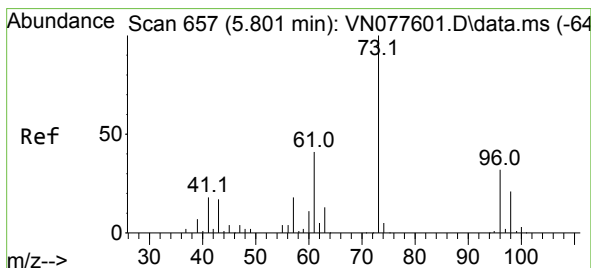
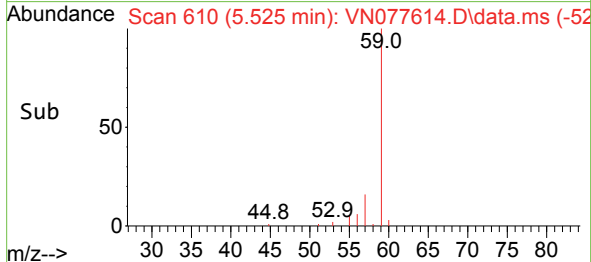
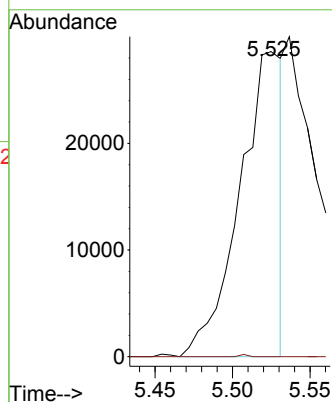
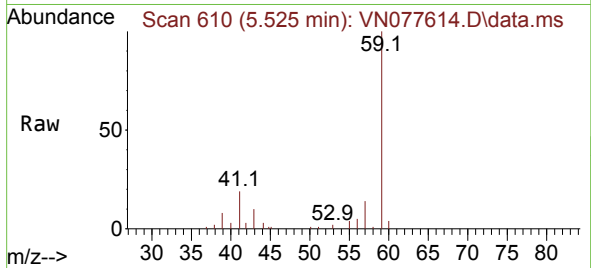




#23  
tert-Butyl Alcohol  
Concen: 60.253 ug/l  
RT: 5.525 min Scan# 610  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

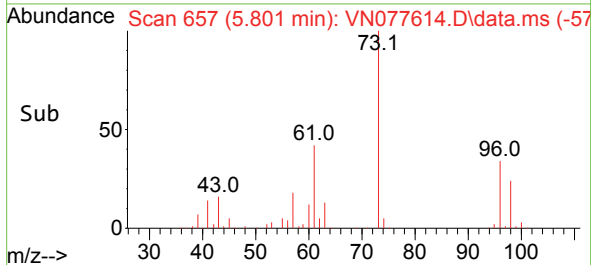
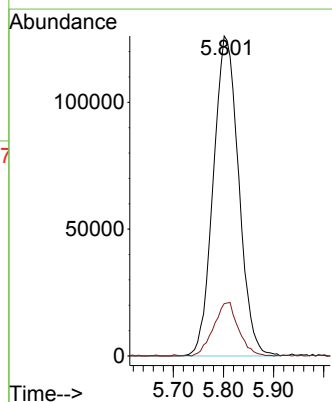
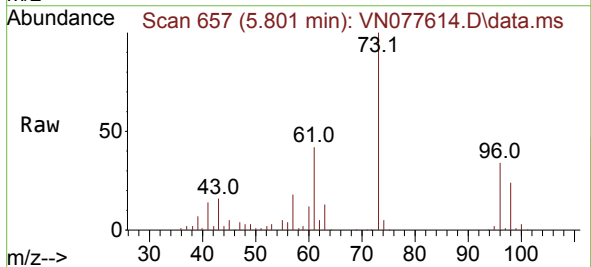
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

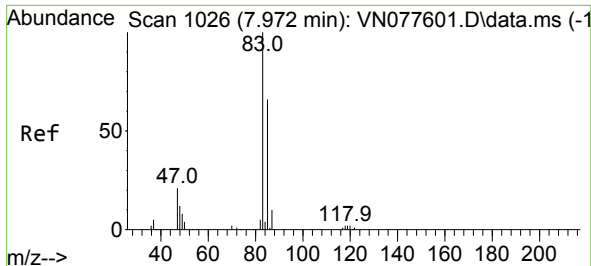
Tgt Ion: 59 Resp: 54536  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 20.864 ug/l  
RT: 5.801 min Scan# 657  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 73 Resp: 443751  
Ion Ratio Lower Upper  
73 100  
43 16.3 14.3 21.5

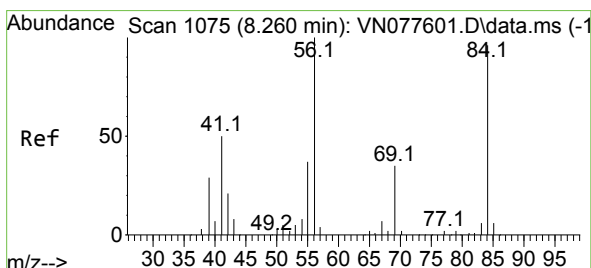
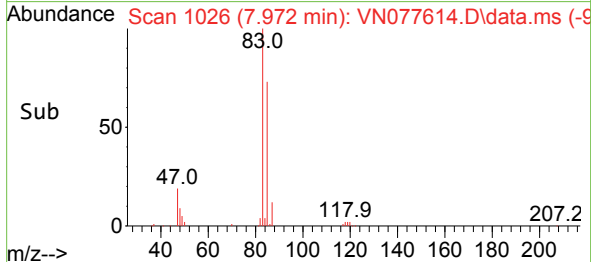
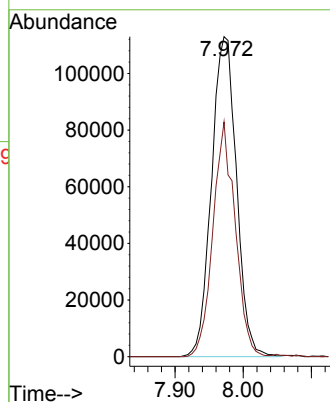
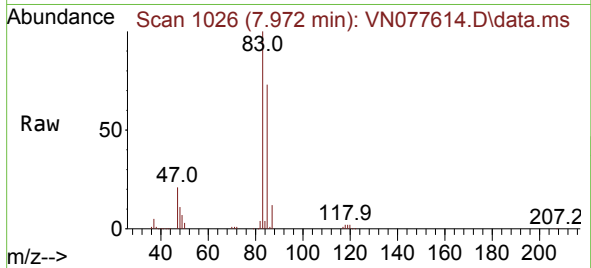




#25  
Chloroform  
Concen: 20.779 ug/l  
RT: 7.972 min Scan# 1026  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

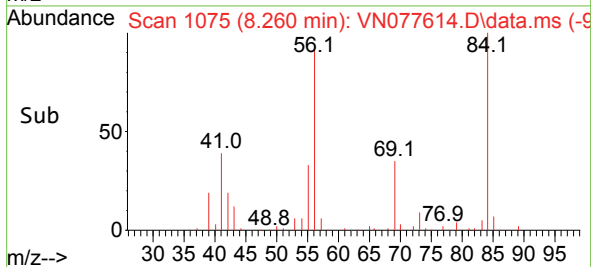
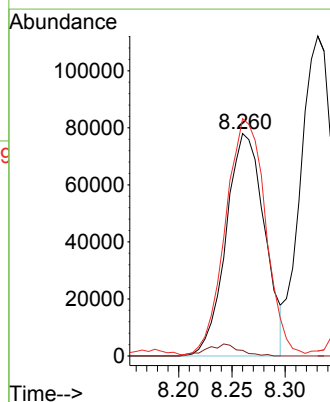
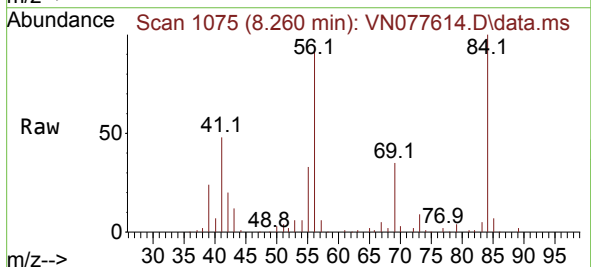
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

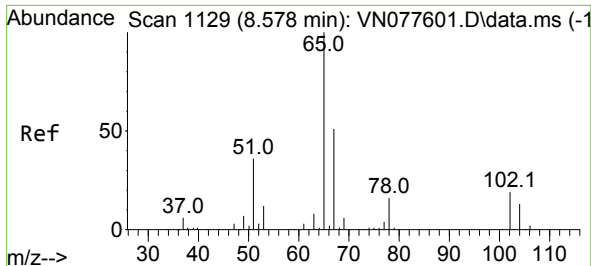
Tgt Ion: 83 Resp: 288204  
Ion Ratio Lower Upper  
83 100  
85 73.3 53.0 79.6



#26  
Cyclohexane  
Concen: 20.551 ug/l  
RT: 8.260 min Scan# 1075  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 56 Resp: 196313  
Ion Ratio Lower Upper  
56 100  
89 4.6 0.0 0.0#  
84 111.1 84.6 126.8





#27

1,2-Dichloroethane-d4

Concen: 30.367 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.005 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

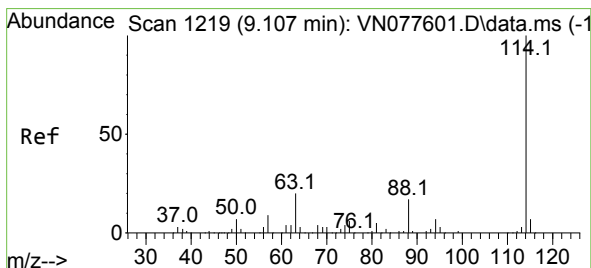
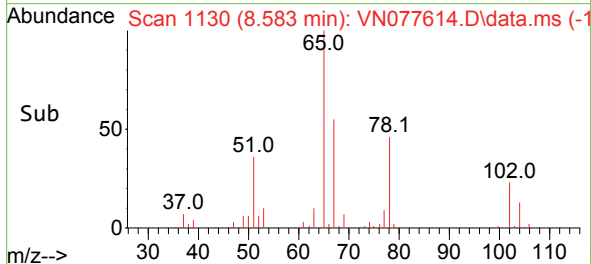
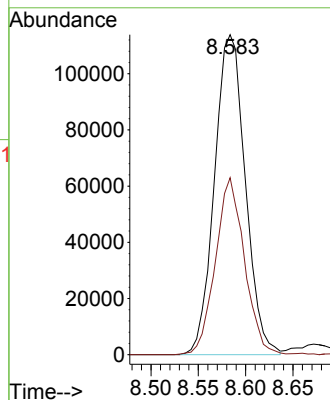
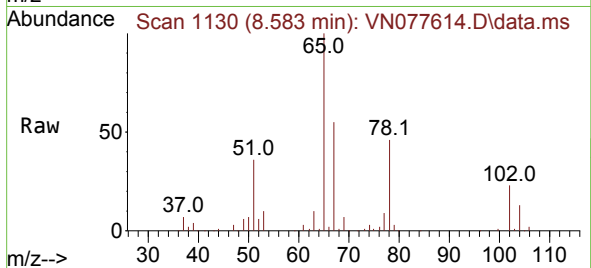
ICVVN050823

Tgt Ion: 65 Resp: 257548

Ion Ratio Lower Upper

65 100

67 52.0 41.3 61.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

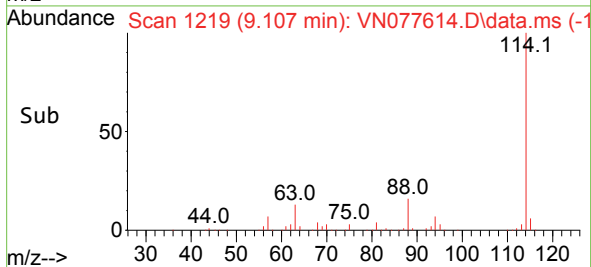
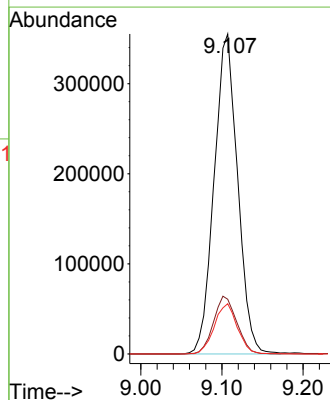
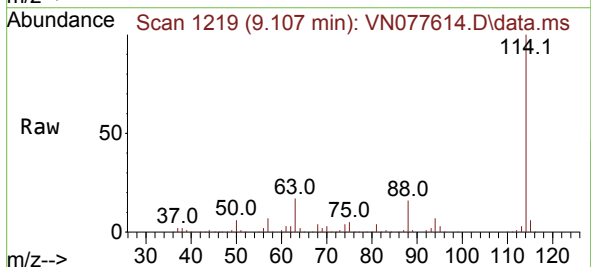
Tgt Ion: 114 Resp: 713738

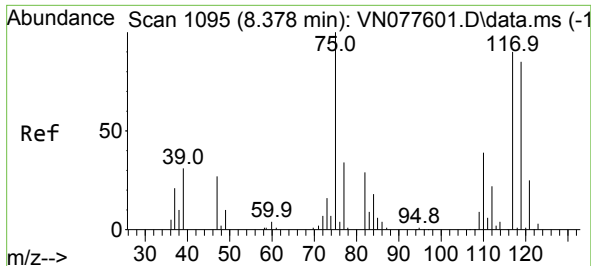
Ion Ratio Lower Upper

114 100

63 17.9 15.8 23.6

88 15.5 13.0 19.4





#29

1,1-Dichloropropene

Concen: 19.642 ug/l

RT: 8.378 min Scan# 1095

Delta R.T. -0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050823

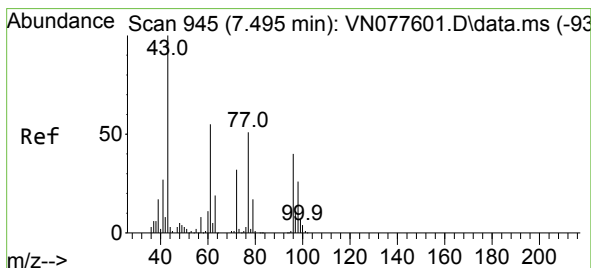
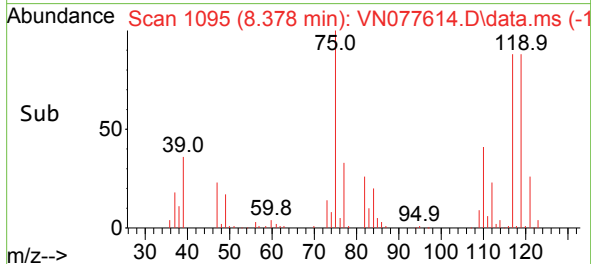
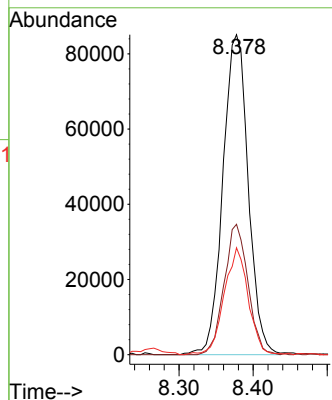
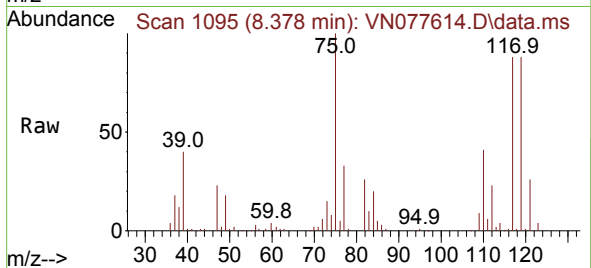
Tgt Ion: 75 Resp: 201818

Ion Ratio Lower Upper

75 100

110 38.3 0.0 69.8

77 31.6 0.0 61.4



#30

2-Butanone

Concen: 106.164 ug/l

RT: 7.489 min Scan# 944

Delta R.T. -0.006 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

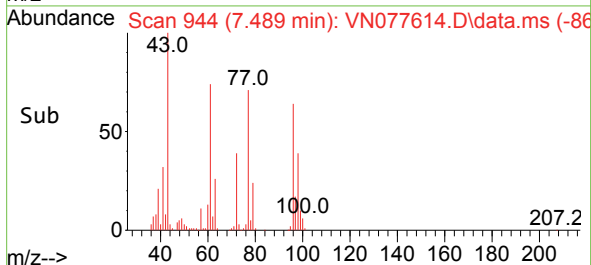
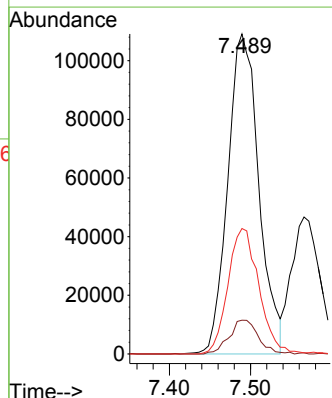
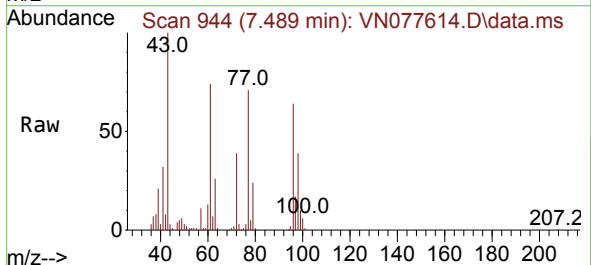
Tgt Ion: 43 Resp: 290759

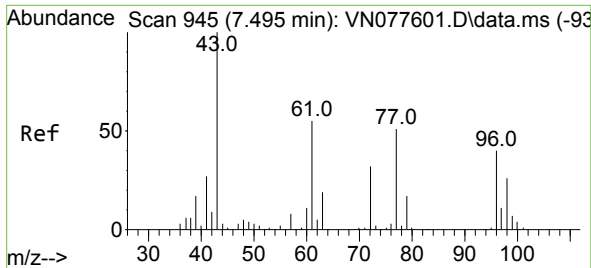
Ion Ratio Lower Upper

43 100

57 9.8 7.2 10.8

72 38.9 26.2 39.2

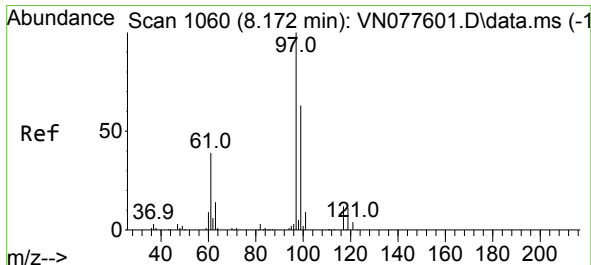
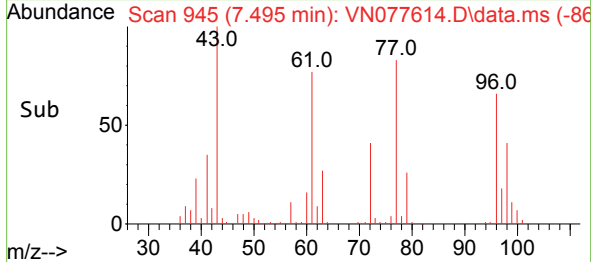
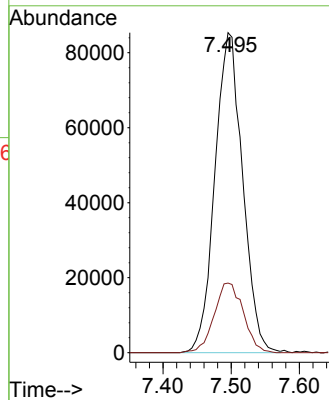
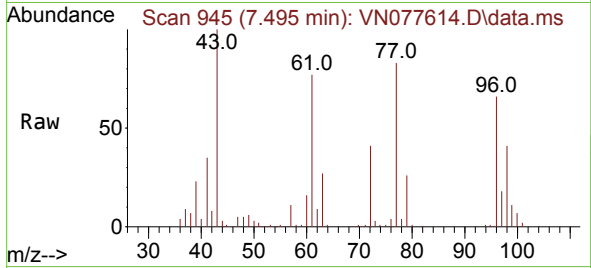




#31  
2,2-Dichloropropane  
Concen: 20.142 ug/l  
RT: 7.495 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

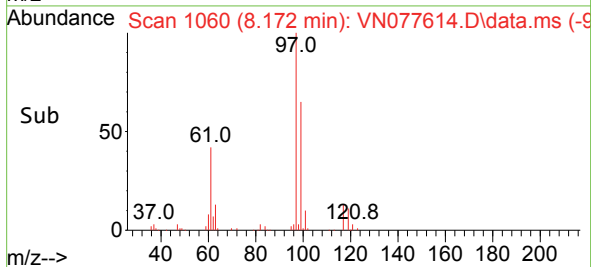
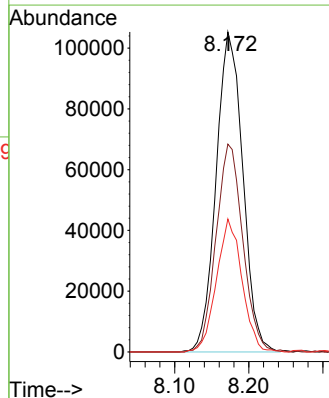
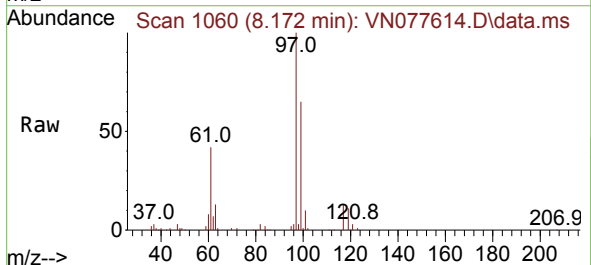
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

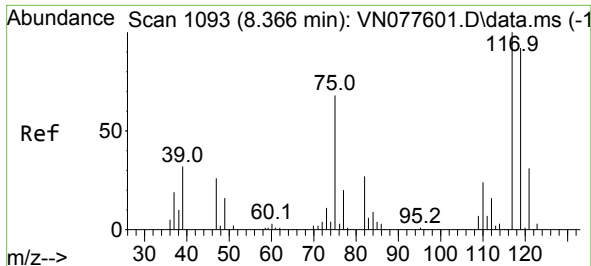
Tgt Ion: 77 Resp: 241109  
Ion Ratio Lower Upper  
77 100  
97 23.0 19.1 28.7



#32  
1,1,1-Trichloroethane  
Concen: 19.822 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

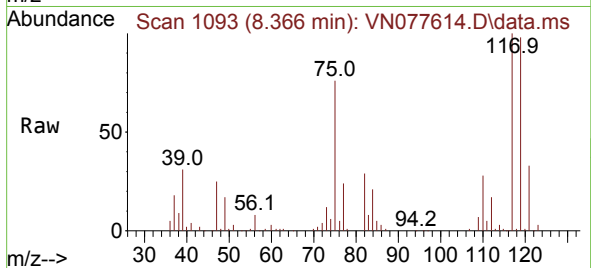
Tgt Ion: 97 Resp: 263587  
Ion Ratio Lower Upper  
97 100  
99 65.0 53.1 79.7  
61 39.6 35.1 52.7



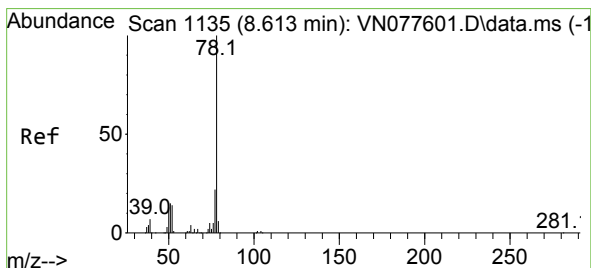
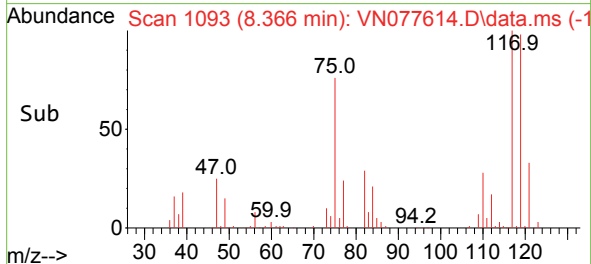
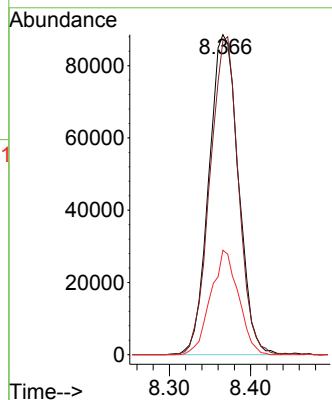


#33  
Carbon Tetrachloride  
Concen: 19.840 ug/l  
RT: 8.366 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

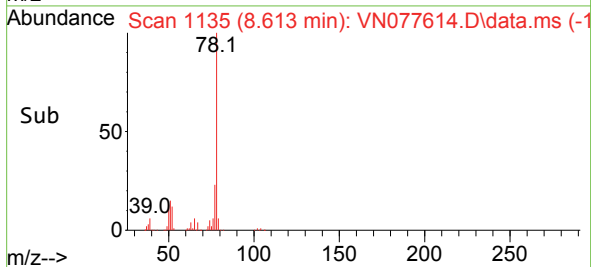
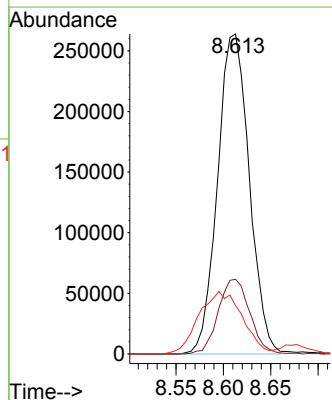
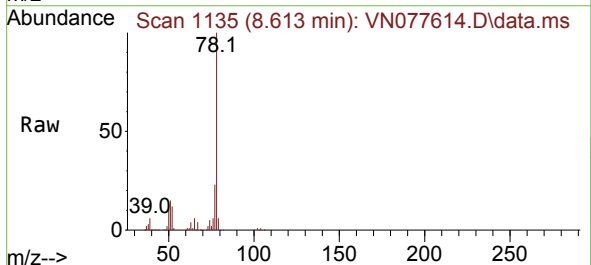


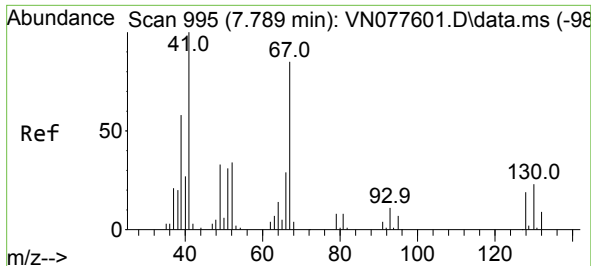
Tgt Ion:117 Resp: 223116  
Ion Ratio Lower Upper  
117 100  
119 97.7 73.9 110.9  
121 32.6 25.0 37.4



#34  
Benzene  
Concen: 19.778 ug/l  
RT: 8.613 min Scan# 1135  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 78 Resp: 613625  
Ion Ratio Lower Upper  
78 100  
77 23.3 17.2 25.8  
51 13.4 12.3 18.5

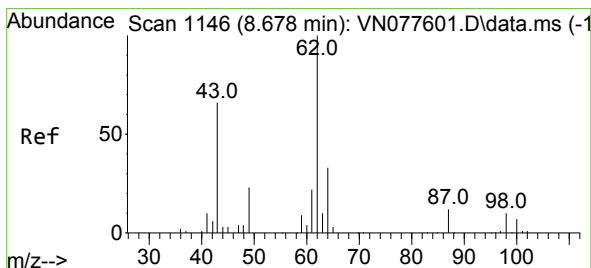
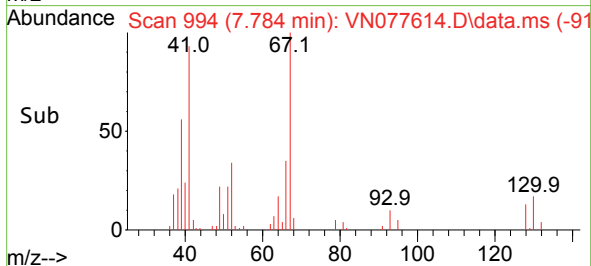
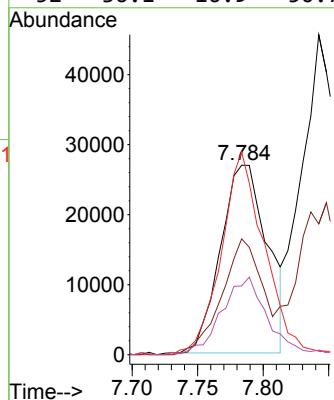
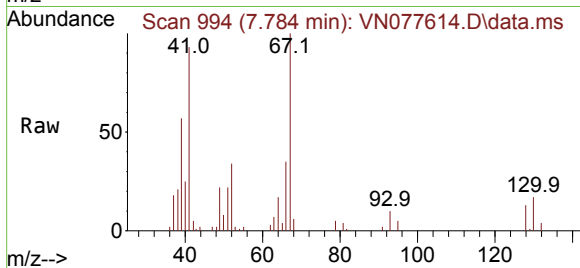




#35  
Methacrylonitrile  
Concen: 21.477 ug/l  
RT: 7.784 min Scan# 994  
Delta R.T. -0.005 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

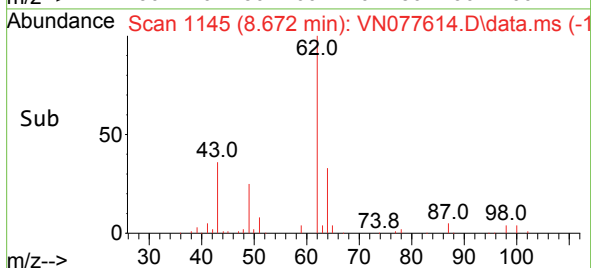
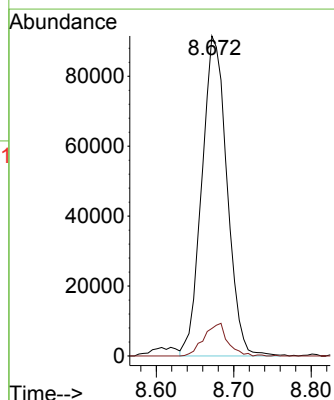
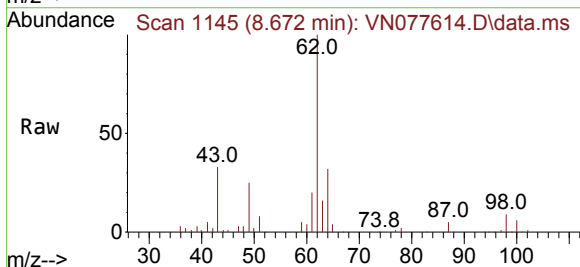
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

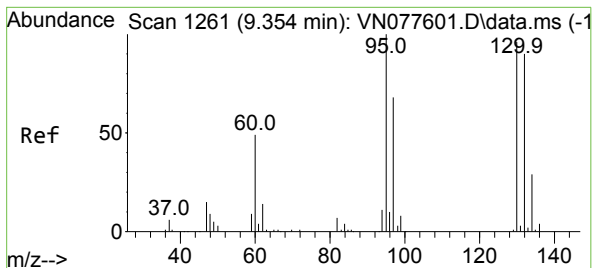
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 66764 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 61.0  | 28.7  | 86.3  |
| 67       | 105.7 | 42.7  | 128.1 |
| 52       | 36.1  | 16.9  | 50.7  |



#36  
1,2-Dichloroethane  
Concen: 19.941 ug/l  
RT: 8.672 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 206256 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.5   | 7.6   | 11.4   |





#37

Trichloroethene

Concen: 19.514 ug/l

RT: 9.354 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

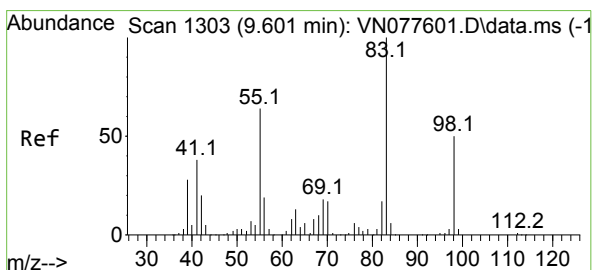
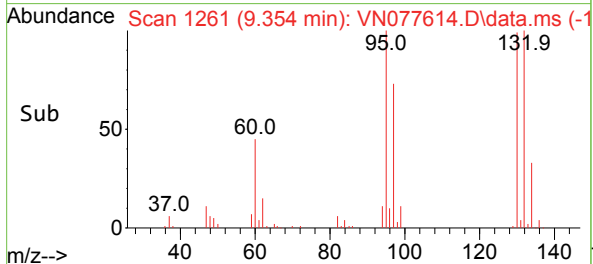
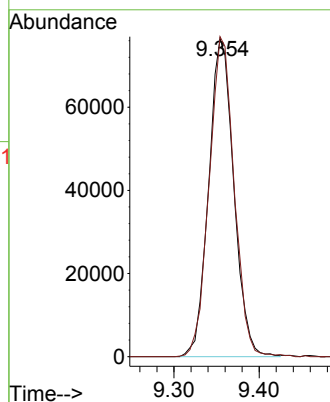
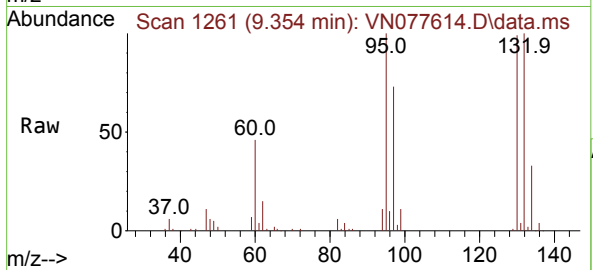
ICVVN050823

Tgt Ion:130 Resp: 156504

Ion Ratio Lower Upper

130 100

95 100.5 83.0 124.6



#38

Methylcyclohexane

Concen: 20.160 ug/l

RT: 9.607 min Scan# 1304

Delta R.T. 0.006 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

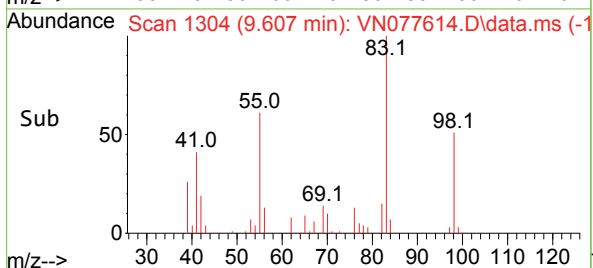
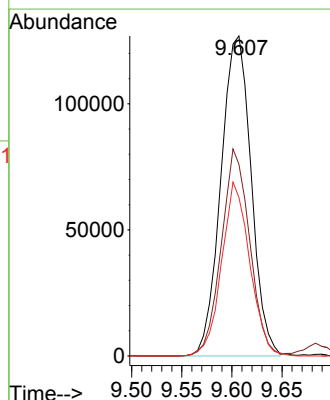
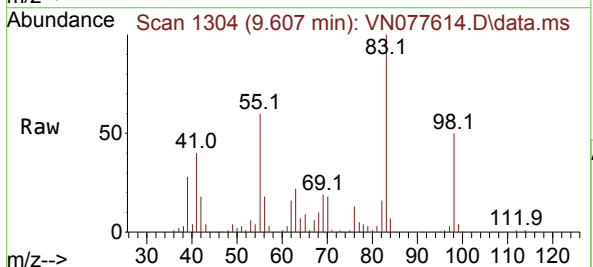
Tgt Ion: 83 Resp: 266714

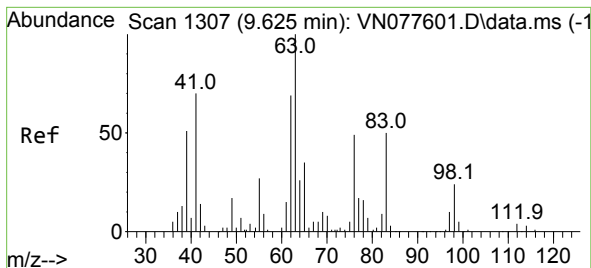
Ion Ratio Lower Upper

83 100

55 60.6 33.6 100.8

98 50.7 25.3 75.8





#39

1,2-Dichloropropane

Concen: 19.728 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

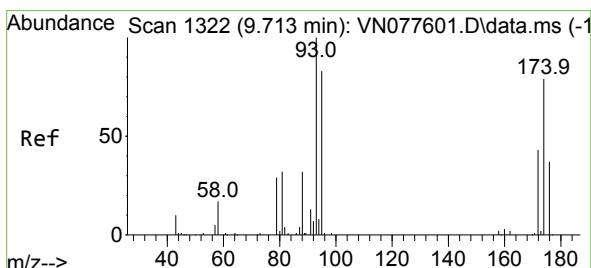
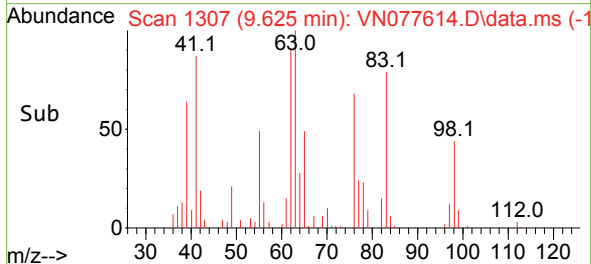
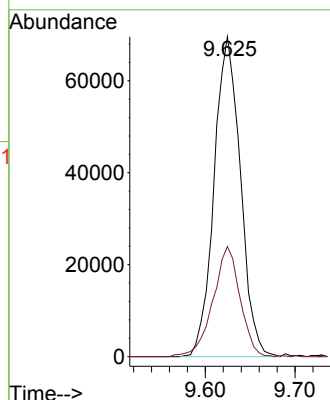
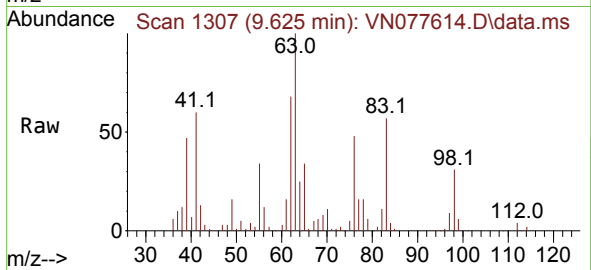
ICVVN050823

Tgt Ion: 63 Resp: 141706

Ion Ratio Lower Upper

63 100

65 34.2 28.2 42.4



#40

Dibromomethane

Concen: 19.958 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

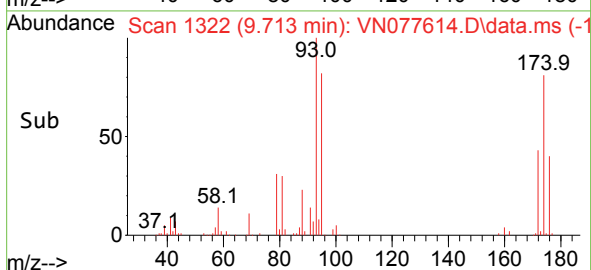
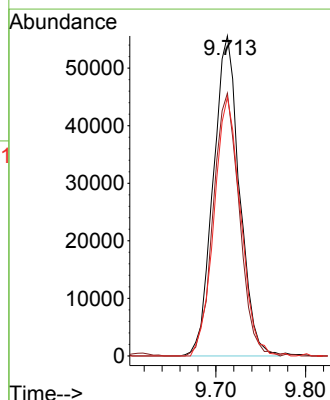
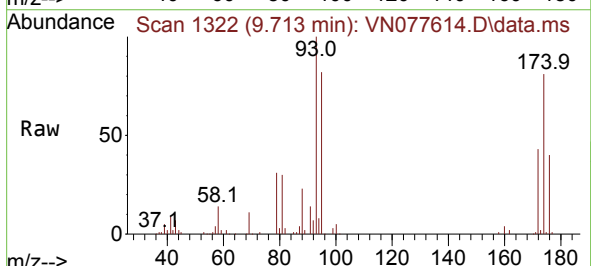
Tgt Ion: 93 Resp: 113019

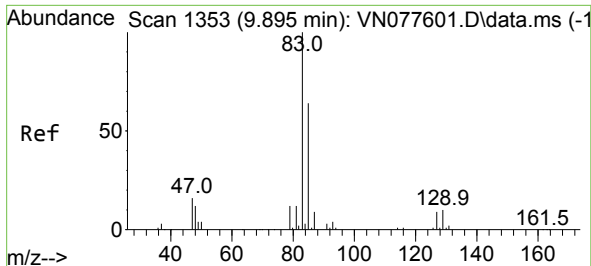
Ion Ratio Lower Upper

93 100

95 81.5 0.0 164.0

174 81.6 0.0 157.0

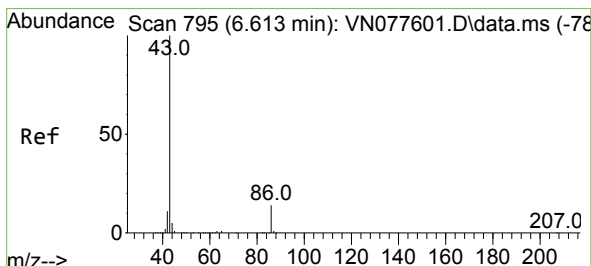
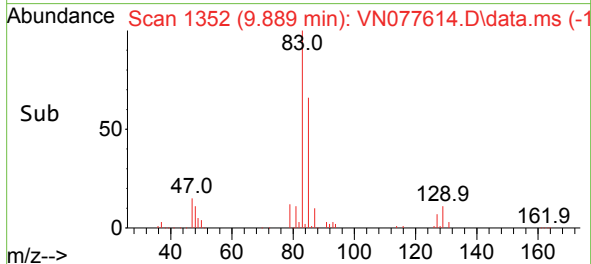
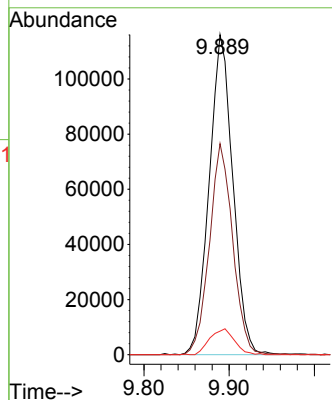
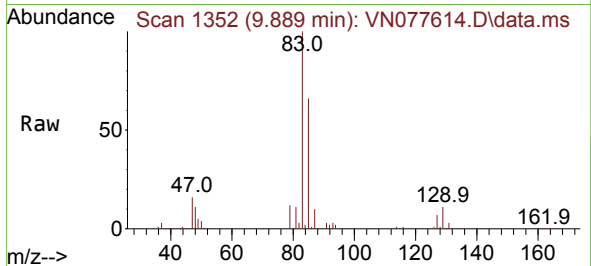




#41  
Bromodichloromethane  
Concen: 19.674 ug/l  
RT: 9.889 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

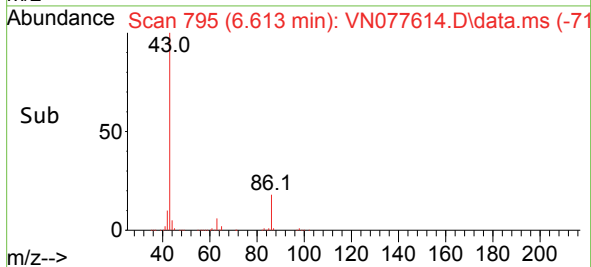
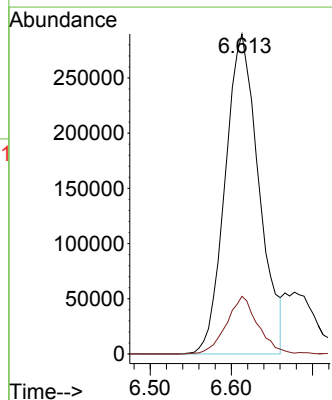
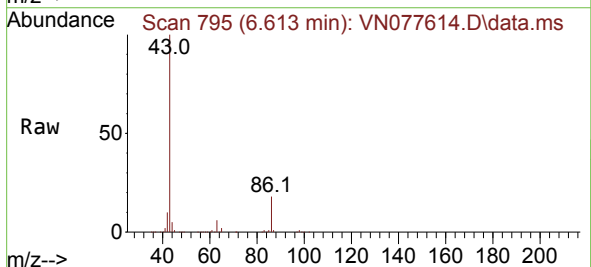
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICV050823

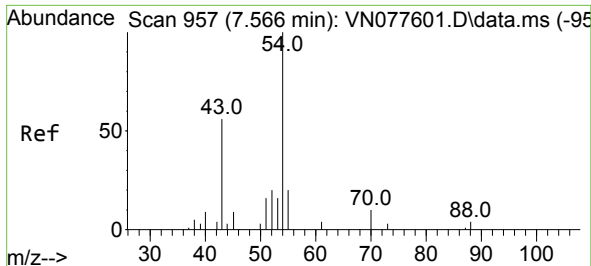
Tgt Ion: 83 Resp: 224343  
Ion Ratio Lower Upper  
83 100  
85 66.0 51.2 76.8  
127 7.3 7.3 10.9



#42  
Vinyl Acetate  
Concen: 82.463 ug/l  
RT: 6.613 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 43 Resp: 837767  
Ion Ratio Lower Upper  
43 100  
86 16.7 10.3 15.5#

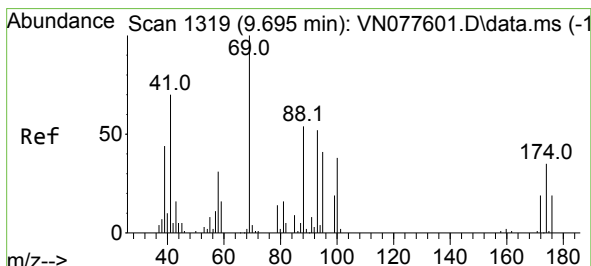
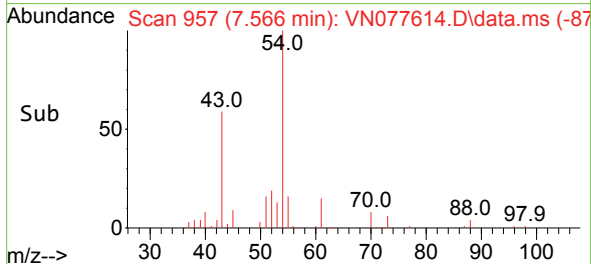
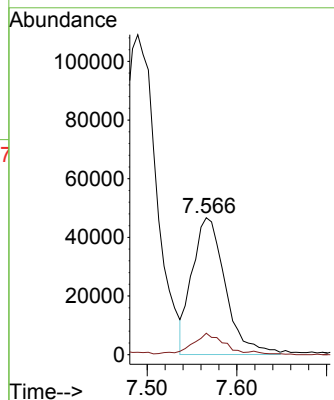
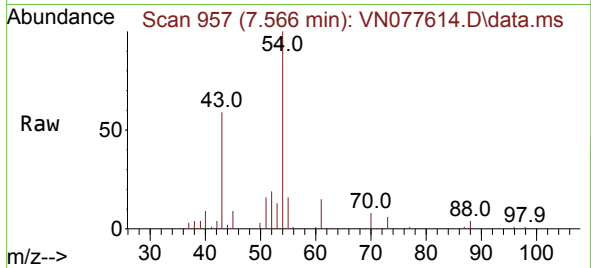




#43  
Ethyl Acetate  
Concen: 20.333 ug/l  
RT: 7.566 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

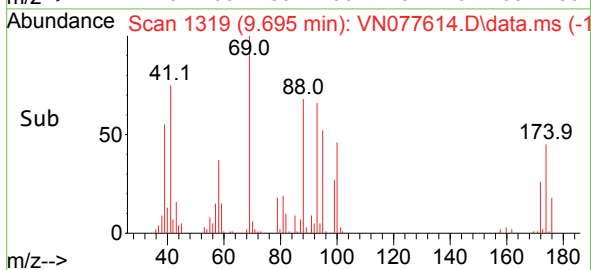
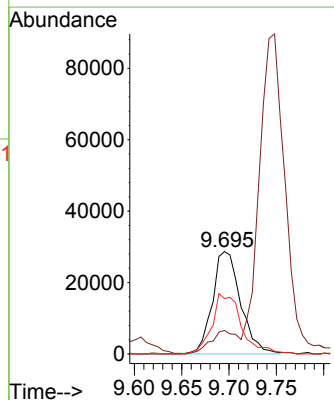
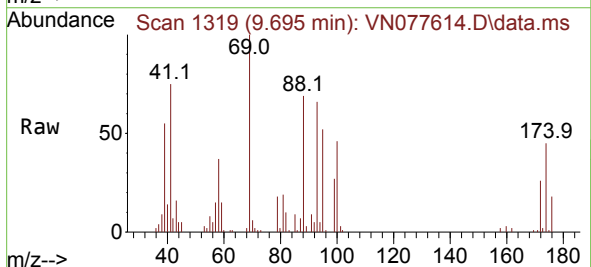
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

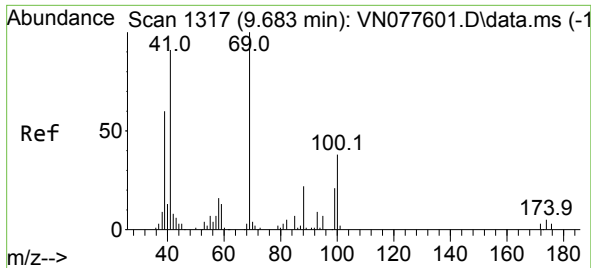
Tgt Ion: 43 Resp: 119680  
Ion Ratio Lower Upper  
43 100  
45 13.2 8.2 12.4#



#45  
1,4-Dioxane  
Concen: 443.620 ug/l  
RT: 9.695 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 88 Resp: 59429  
Ion Ratio Lower Upper  
88 100  
43 22.3 18.2 27.2  
58 30.0 47.5 71.3#

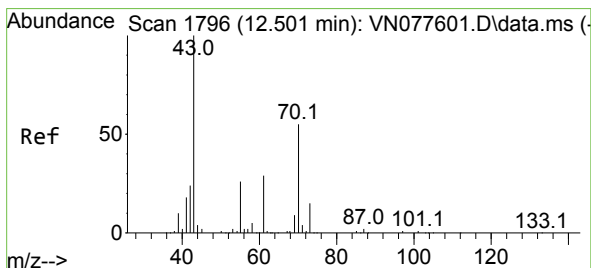
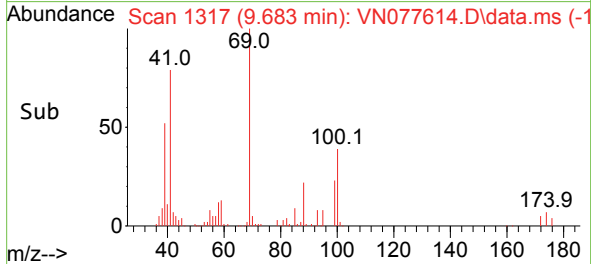
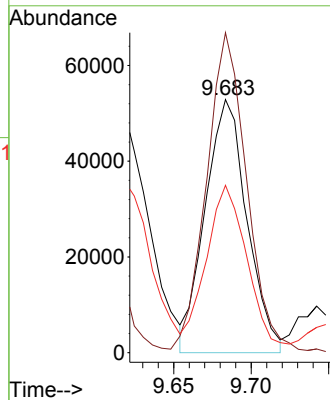
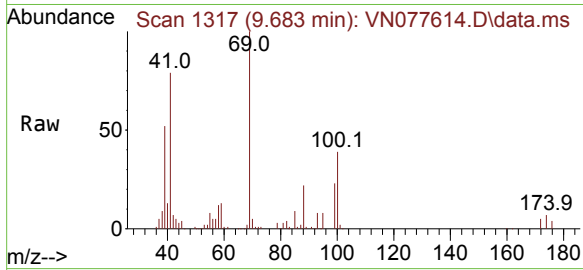




#46  
Methyl methacrylate  
Concen: 20.483 ug/l  
RT: 9.683 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

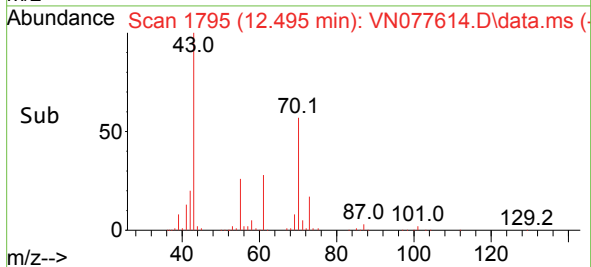
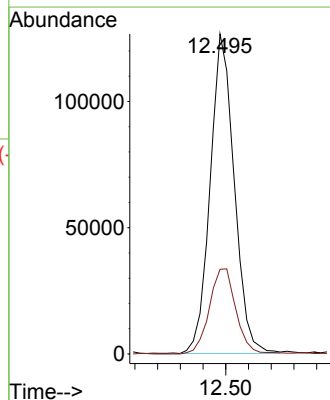
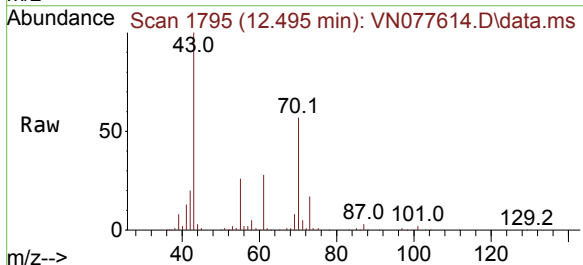
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

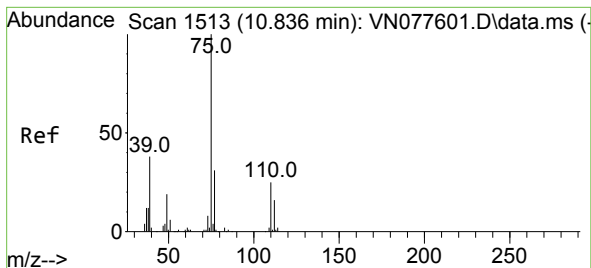
Tgt Ion: 41 Resp: 99139  
Ion Ratio Lower Upper  
41 100  
69 127.1 52.0 156.0  
39 65.4 33.6 100.6



#47  
n-amy1 Acetate  
Concen: 20.068 ug/l  
RT: 12.495 min Scan# 1795  
Delta R.T. -0.006 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 43 Resp: 186262  
Ion Ratio Lower Upper  
43 100  
55 29.3 21.4 32.0

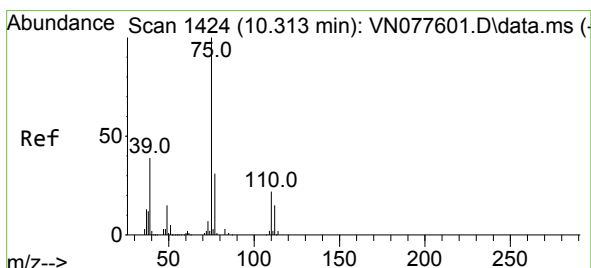
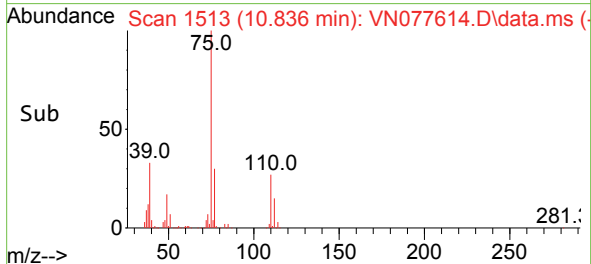
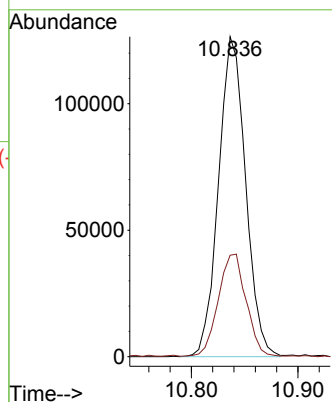
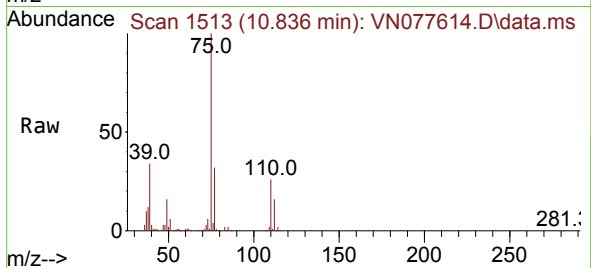




#48  
 t-1,3-Dichloropropene  
 Concen: 19.414 ug/l  
 RT: 10.836 min Scan# 1513  
 Delta R.T. 0.000 min  
 Lab File: VN077614.D  
 Acq: 08 May 2023 13:00

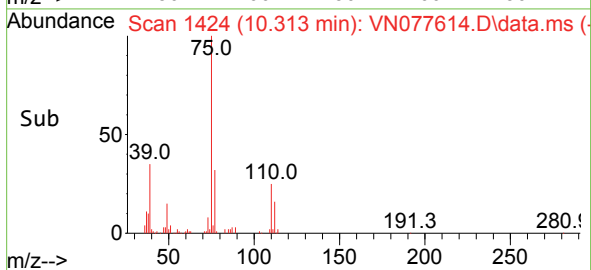
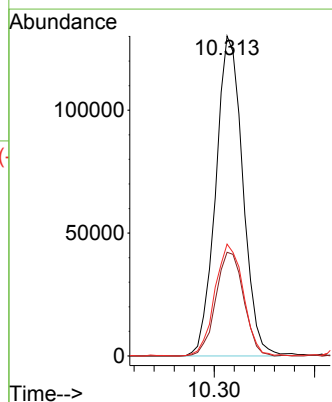
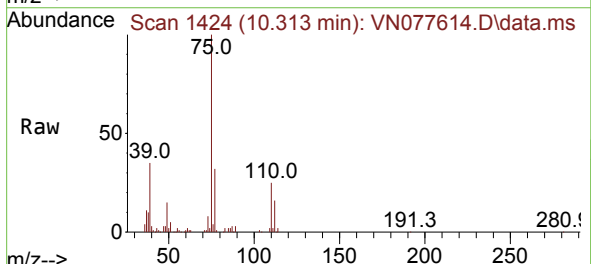
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN050823

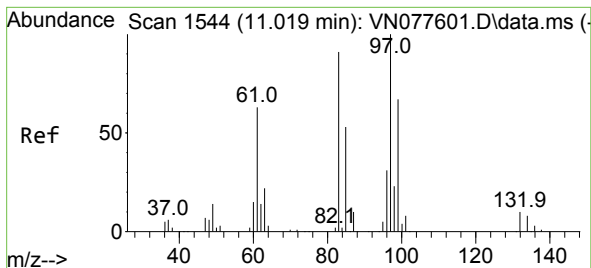
Tgt Ion: 75 Resp: 223188  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 25.1 37.7



#49  
 cis-1,3-Dichloropropene  
 Concen: 19.379 ug/l  
 RT: 10.313 min Scan# 1424  
 Delta R.T. -0.000 min  
 Lab File: VN077614.D  
 Acq: 08 May 2023 13:00

Tgt Ion: 75 Resp: 244181  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 24.7 37.1  
 39 34.9 31.0 46.6





#50

1,1,2-Trichloroethane

Concen: 19.709 ug/l

RT: 11.019 min Scan# 1544

Delta R.T. -0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050823

Tgt Ion: 97 Resp: 160731

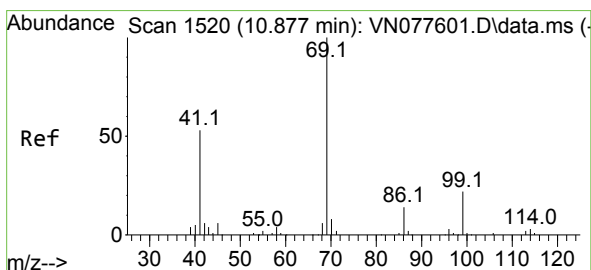
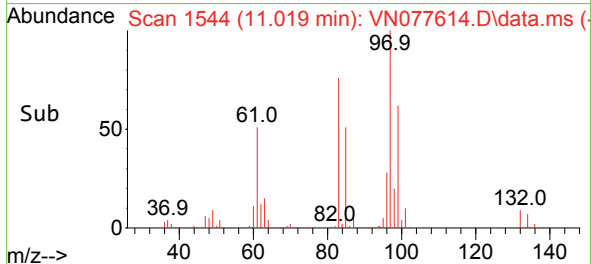
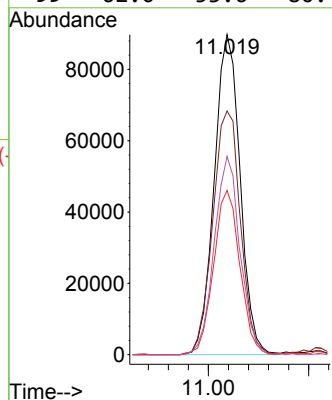
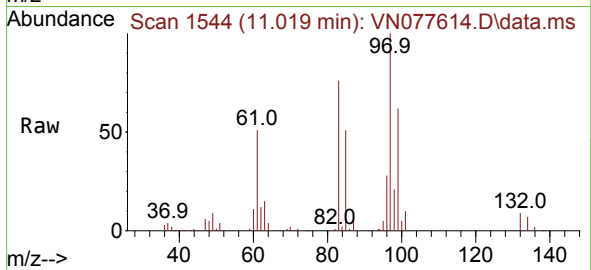
Ion Ratio Lower Upper

97 100

83 76.2 72.6 108.8

85 51.3 42.6 63.8

99 62.0 53.6 80.4



#51

Ethyl methacrylate

Concen: 20.561 ug/l

RT: 10.877 min Scan# 1520

Delta R.T. 0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

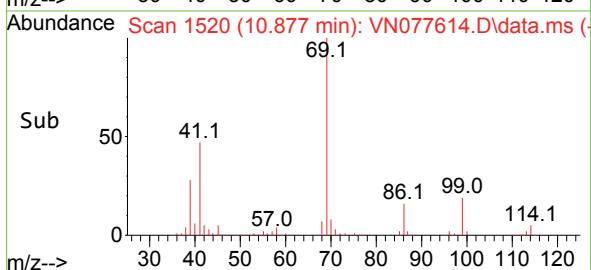
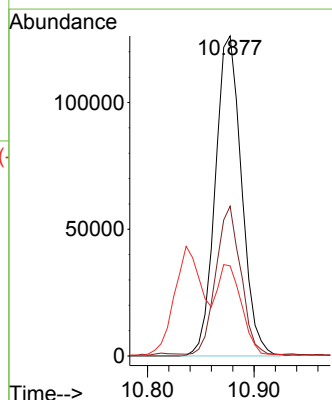
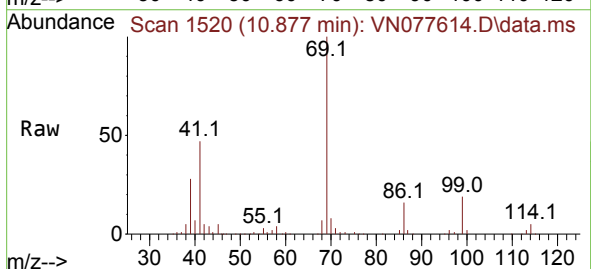
Tgt Ion: 69 Resp: 216461

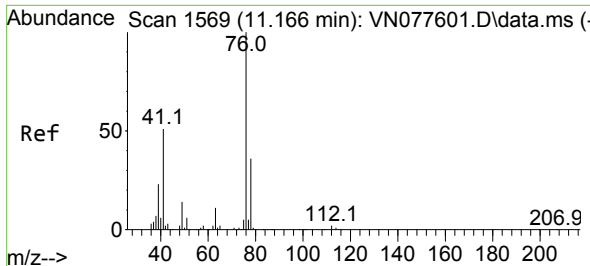
Ion Ratio Lower Upper

69 100

41 46.4 26.3 78.9

39 27.7 18.1 54.1

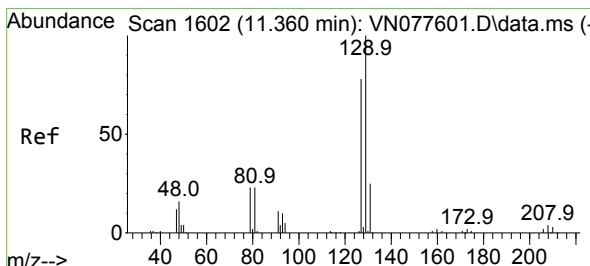
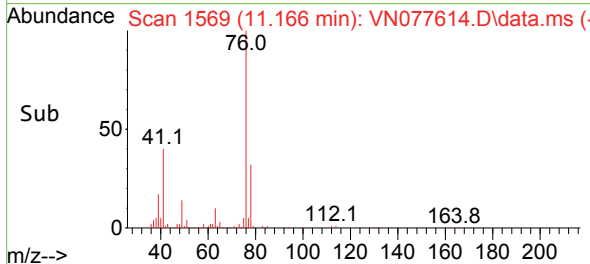
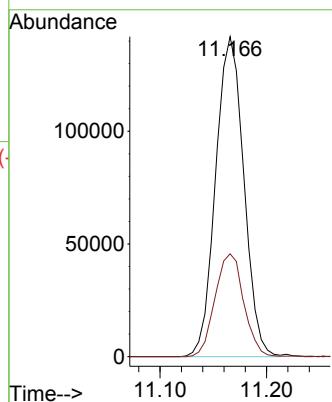
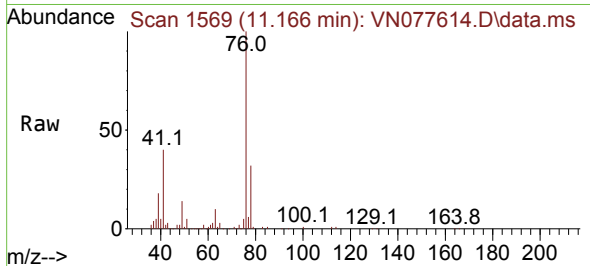




#52  
1,3-Dichloropropane  
Concen: 19.773 ug/l  
RT: 11.166 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

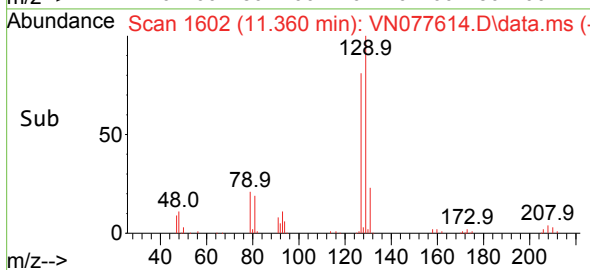
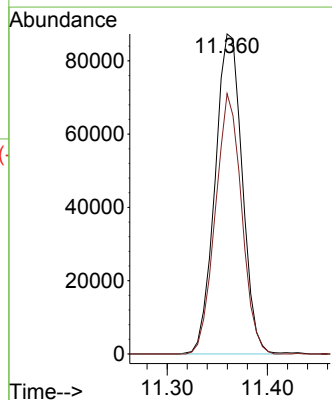
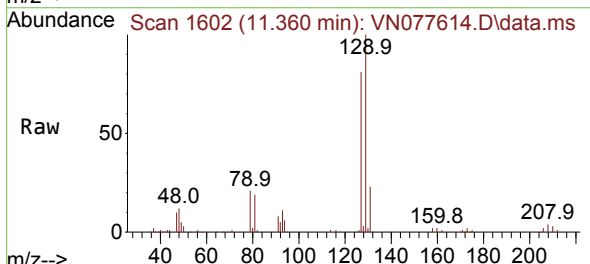
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

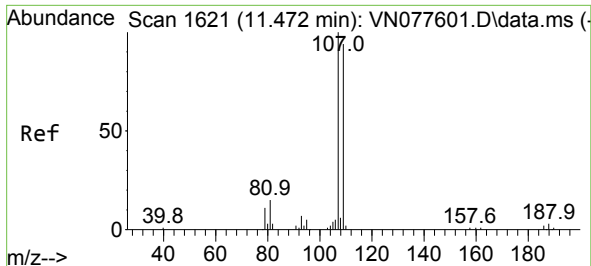
Tgt Ion: 76 Resp: 260719  
Ion Ratio Lower Upper  
76 100  
78 32.7 0.0 66.4



#53  
Dibromochloromethane  
Concen: 19.369 ug/l  
RT: 11.360 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 129 Resp: 164343  
Ion Ratio Lower Upper  
129 100  
127 78.5 39.4 118.1

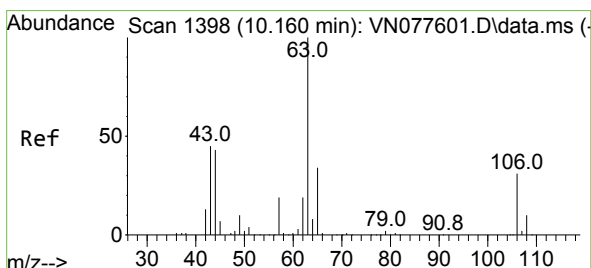
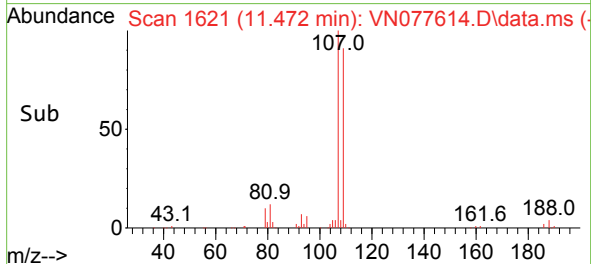
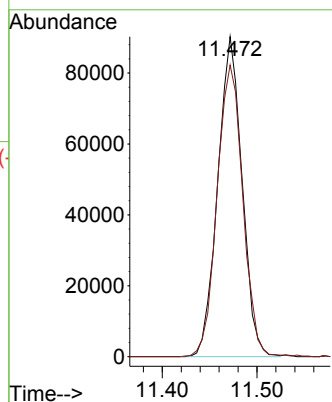
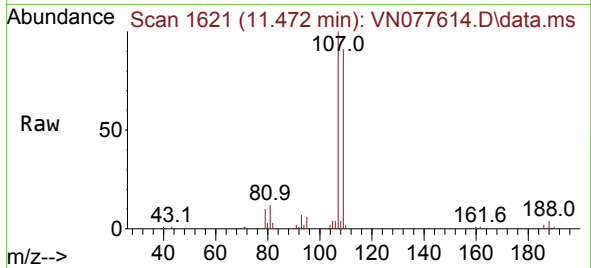




#54  
1,2-Dibromoethane  
Concen: 19.900 ug/l  
RT: 11.472 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

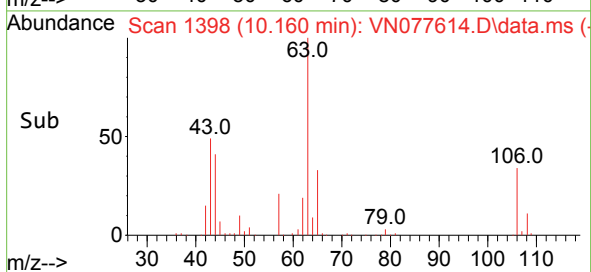
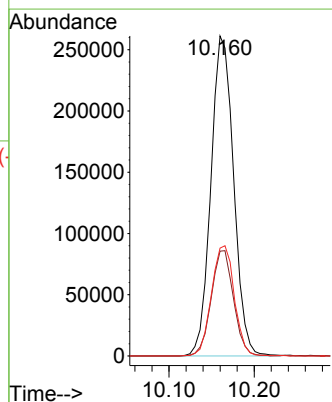
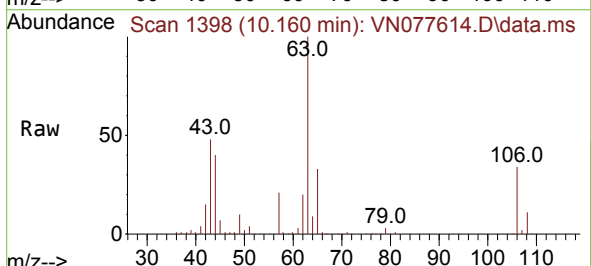
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MSVOA\_N  
ClientSampleId :  
ICVVN050823

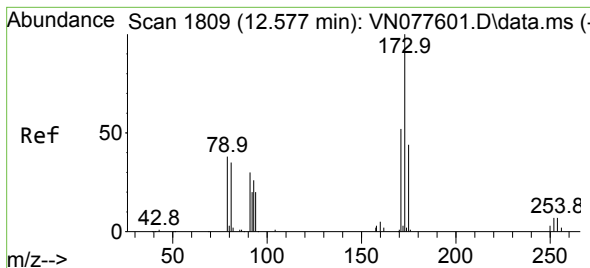
Tgt Ion:107 Resp: 161206  
Ion Ratio Lower Upper  
107 100  
109 96.1 77.4 116.2



#55  
2-Chloroethyl vinyl ether  
Concen: 101.714 ug/l  
RT: 10.160 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 63 Resp: 484224  
Ion Ratio Lower Upper  
63 100  
65 32.3 26.8 40.2  
106 34.6 25.6 38.4





#56

Bromoform

Concen: 19.966 ug/l

RT: 12.583 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050823

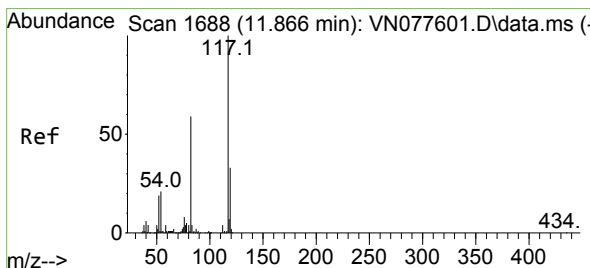
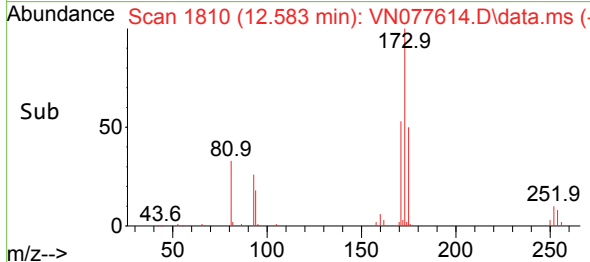
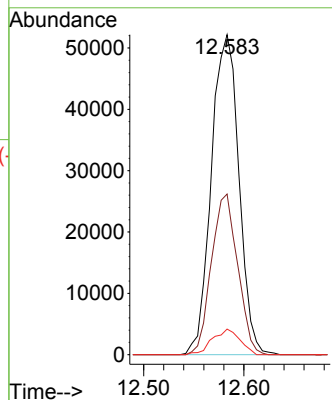
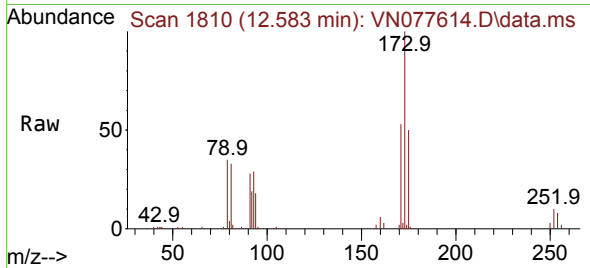
Tgt Ion:173 Resp: 99683

Ion Ratio Lower Upper

173 100

175 47.7 39.4 59.2

254 8.0 5.8 8.6



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1689

Delta R.T. 0.006 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

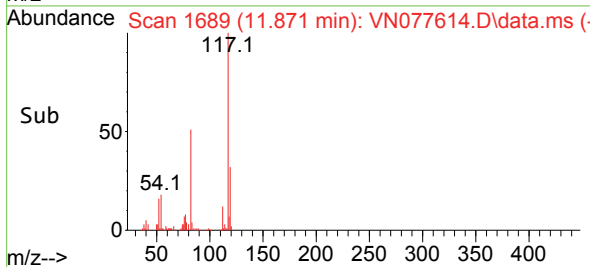
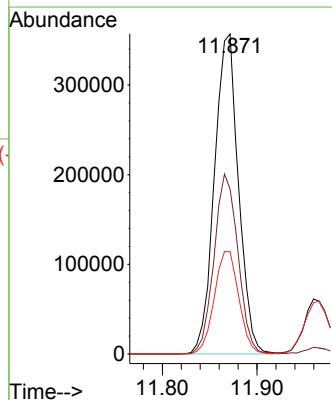
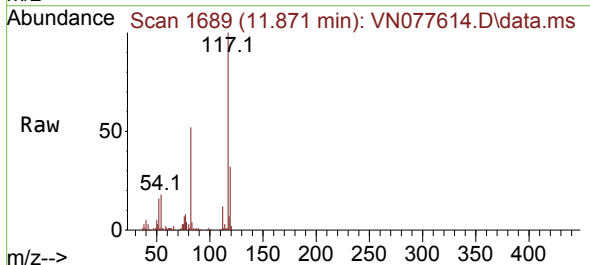
Tgt Ion:117 Resp: 631100

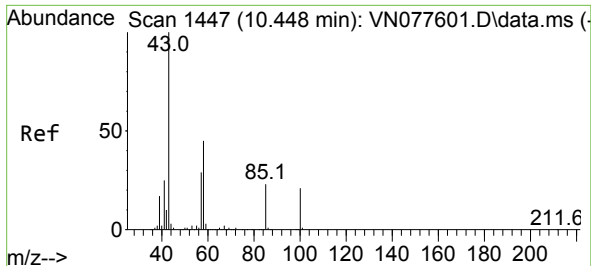
Ion Ratio Lower Upper

117 100

82 55.9 47.4 71.2

119 32.7 26.6 39.8

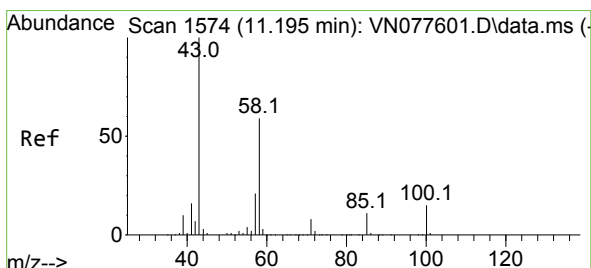
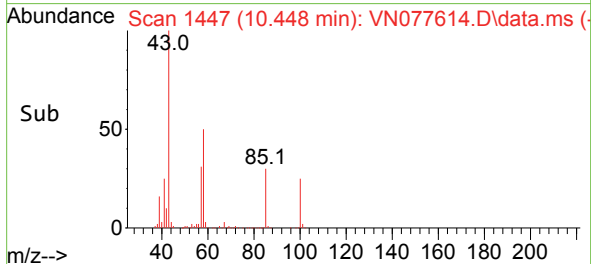
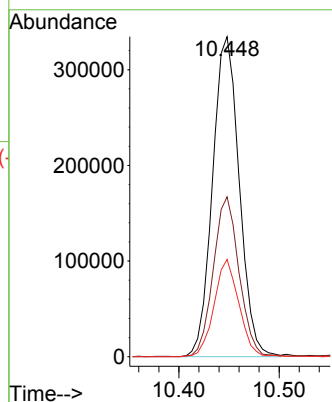
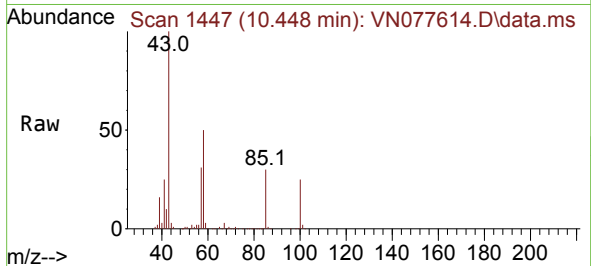




#58  
4-Methyl-2-Pentanone  
Concen: 106.441 ug/l  
RT: 10.448 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

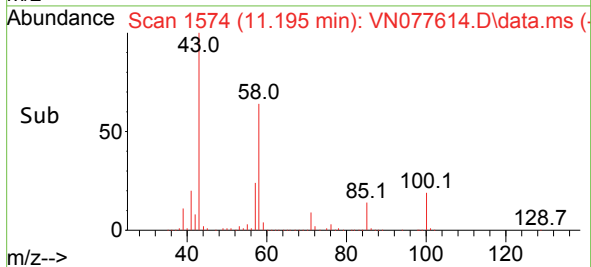
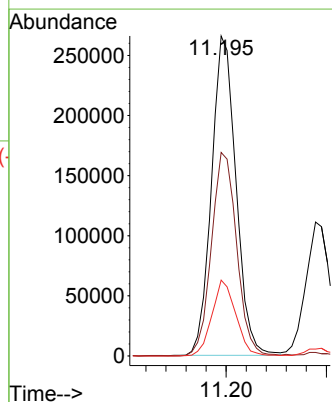
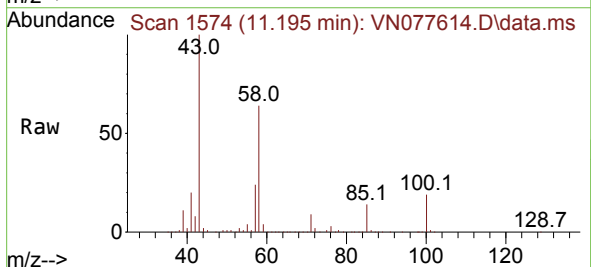
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

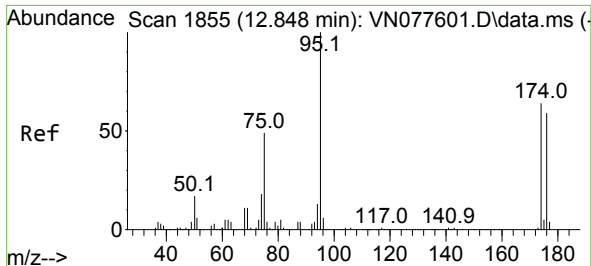
Tgt Ion: 43 Resp: 618608  
Ion Ratio Lower Upper  
43 100  
58 48.3 35.4 53.2  
85 28.1 18.2 27.2#



#59  
2-Hexanone  
Concen: 107.601 ug/l  
RT: 11.195 min Scan# 1574  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 43 Resp: 451417  
Ion Ratio Lower Upper  
43 100  
58 65.6 48.2 72.2  
57 23.3 17.3 25.9

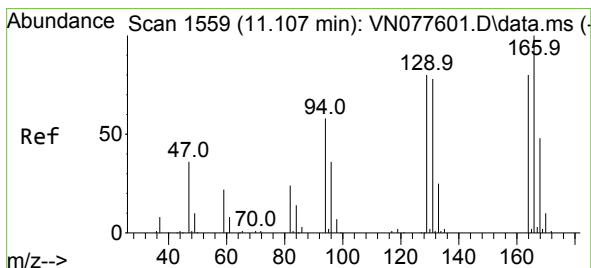
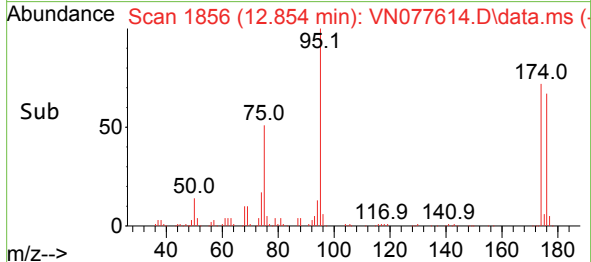
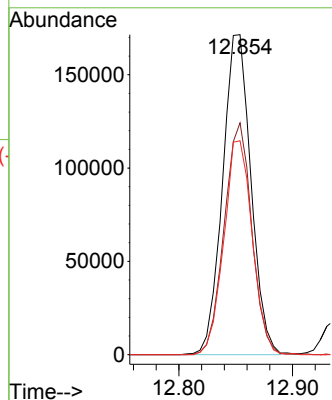
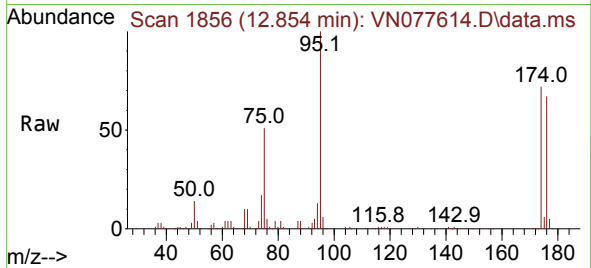




#60  
4-Bromofluorobenzene  
Concen: 29.676 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

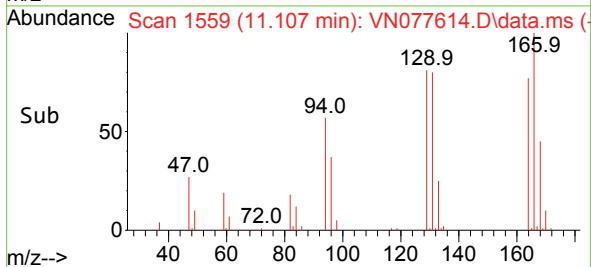
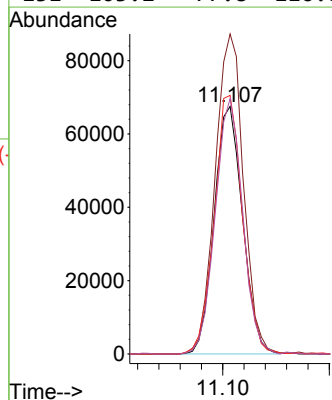
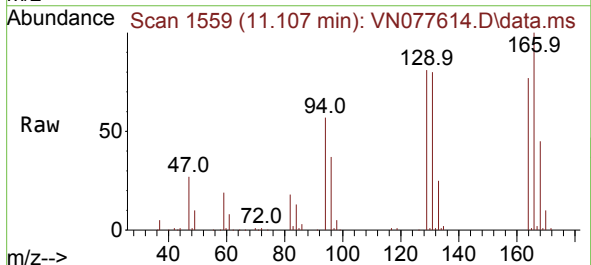
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

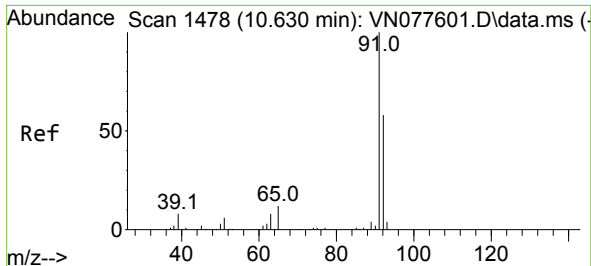
Tgt Ion: 95 Resp: 297797  
Ion Ratio Lower Upper  
95 100  
174 70.3 53.4 80.0  
176 67.1 50.0 75.0



#61  
Tetrachloroethene  
Concen: 20.432 ug/l  
RT: 11.107 min Scan# 1559  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion:164 Resp: 124725  
Ion Ratio Lower Upper  
164 100  
166 129.3 100.5 150.7  
129 104.5 80.6 120.8  
131 103.2 77.8 116.8

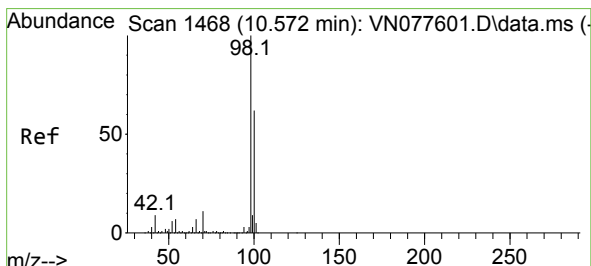
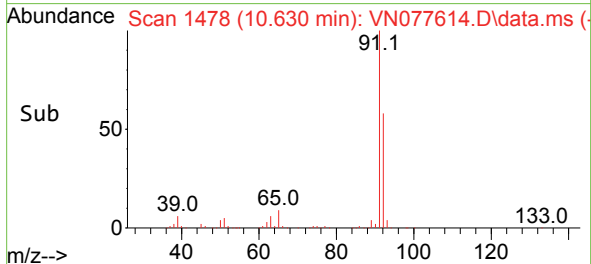
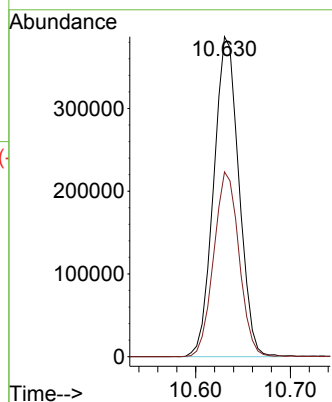
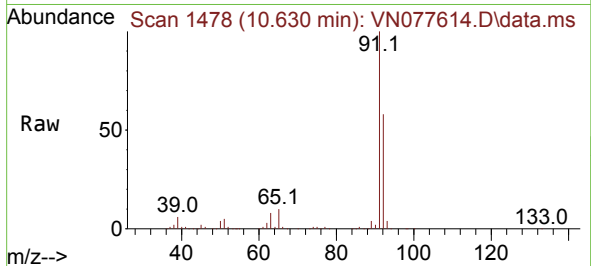




#62  
Toluene  
Concen: 20.489 ug/l  
RT: 10.630 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

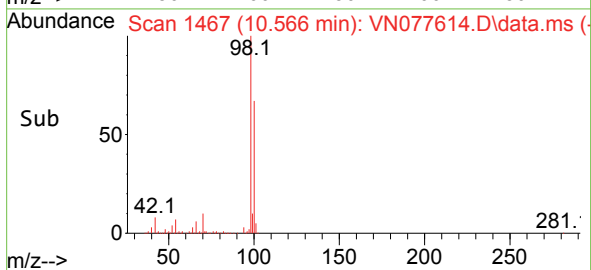
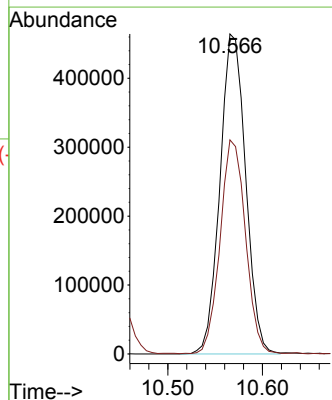
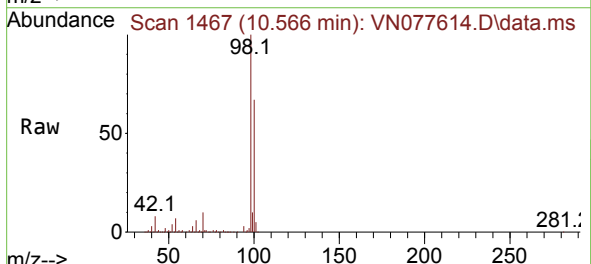
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

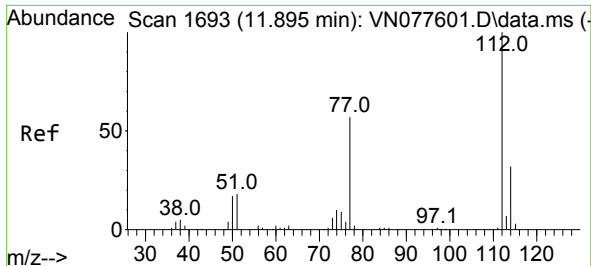
Tgt Ion: 91 Resp: 715885  
Ion Ratio Lower Upper  
91 100  
92 57.8 47.0 70.6



#63  
Toluene-d8  
Concen: 30.009 ug/l  
RT: 10.566 min Scan# 1467  
Delta R.T. -0.006 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 98 Resp: 874718  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.1 78.1

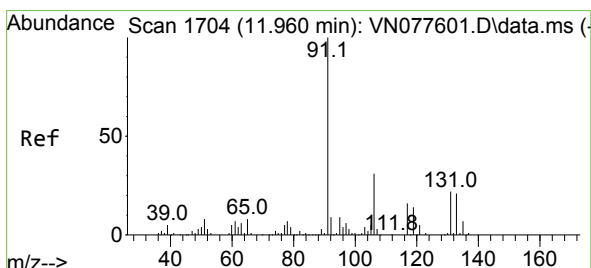
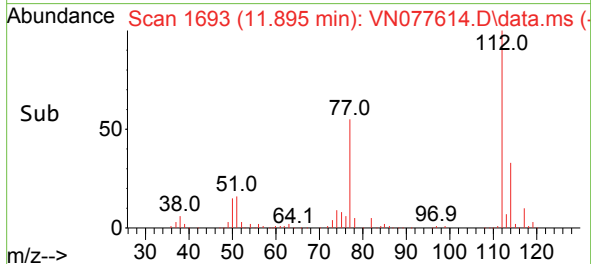
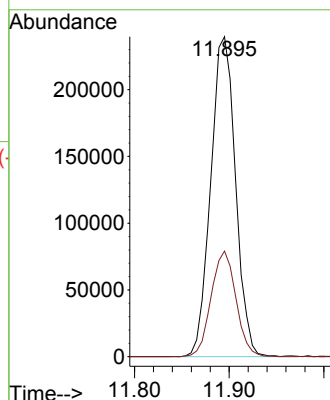
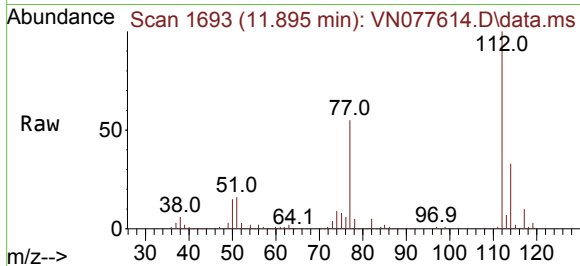




#64  
Chlorobenzene  
Concen: 20.272 ug/l  
RT: 11.895 min Scan# 1693  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

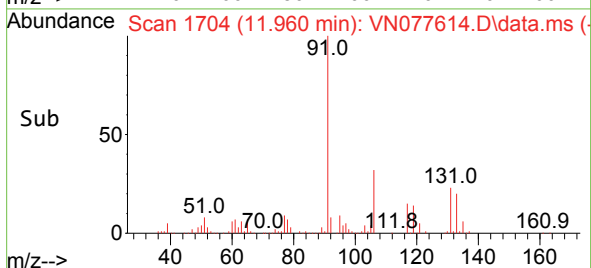
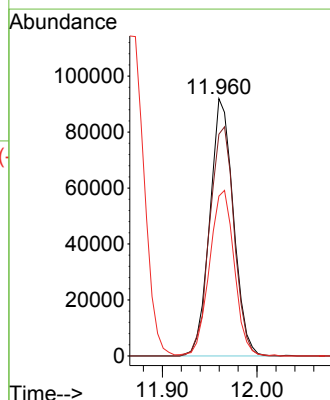
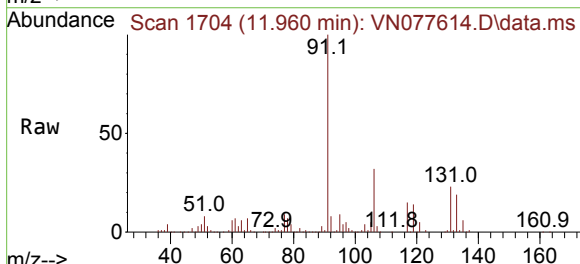
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

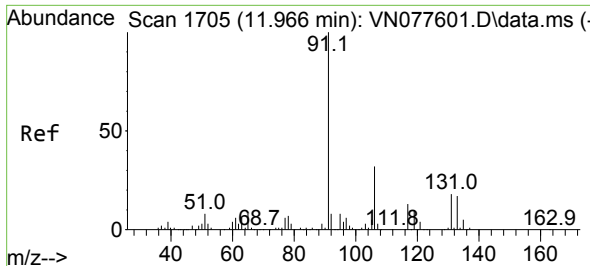
Tgt Ion:112 Resp: 435607  
Ion Ratio Lower Upper  
112 100  
114 33.0 25.8 38.8



#65  
1,1,1,2-Tetrachloroethane  
Concen: 20.568 ug/l  
RT: 11.960 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion:131 Resp: 159440  
Ion Ratio Lower Upper  
131 100  
133 92.4 0.0 181.2  
119 67.6 0.0 125.0

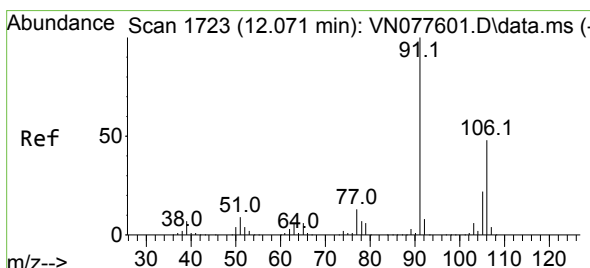
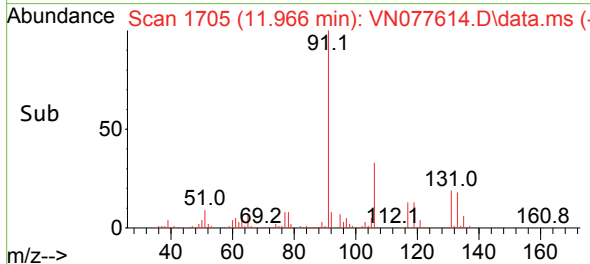
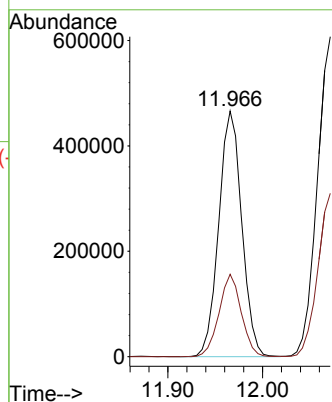
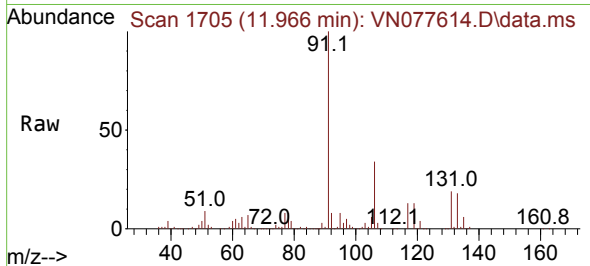




#66  
Ethyl Benzene  
Concen: 20.334 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

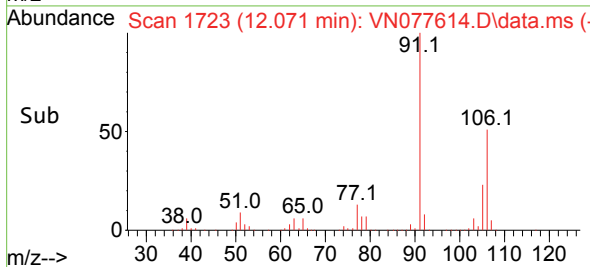
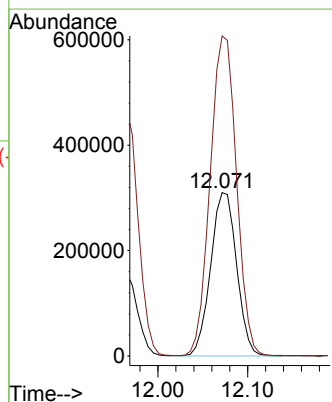
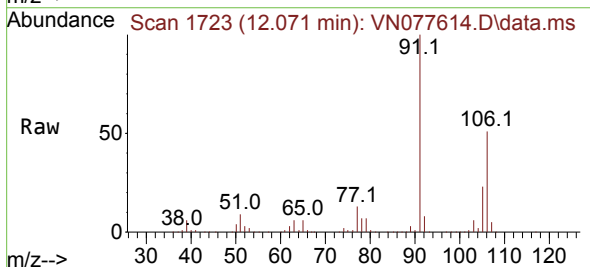
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

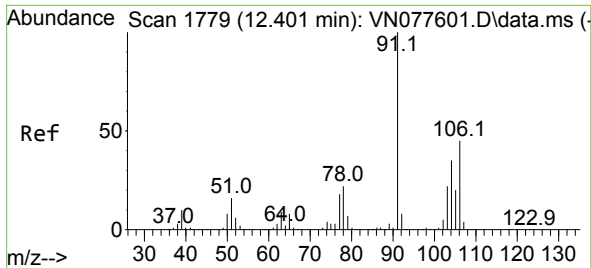
Tgt Ion: 91 Resp: 787237  
Ion Ratio Lower Upper  
91 100  
106 33.5 25.7 38.5



#67  
m/p-Xylenes  
Concen: 40.843 ug/l  
RT: 12.071 min Scan# 1723  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 106 Resp: 622126  
Ion Ratio Lower Upper  
106 100  
91 199.1 162.6 244.0

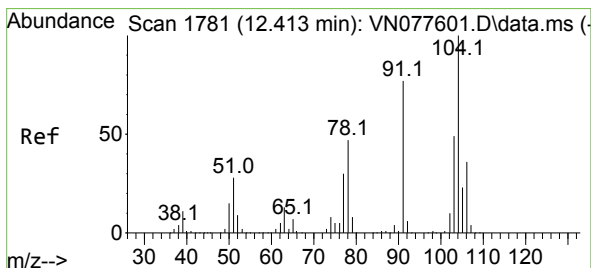
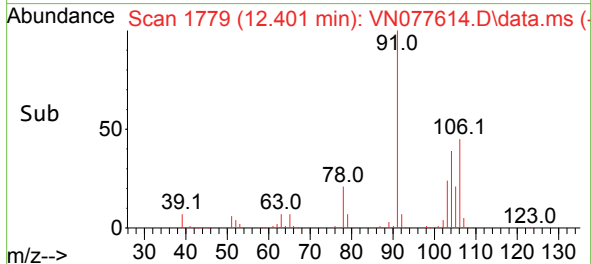
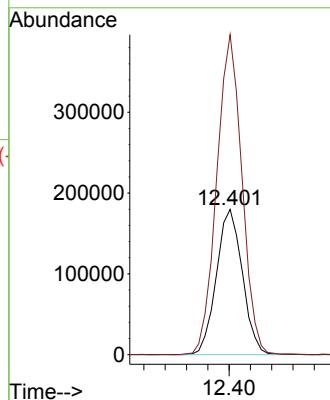
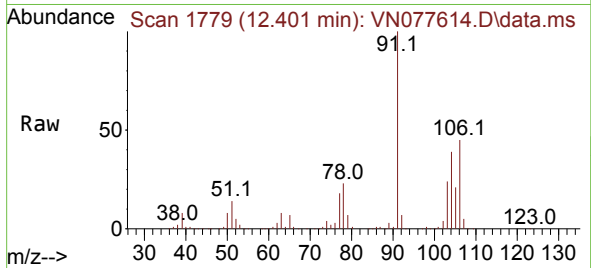




#68  
o-Xylene  
Concen: 20.248 ug/l  
RT: 12.401 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

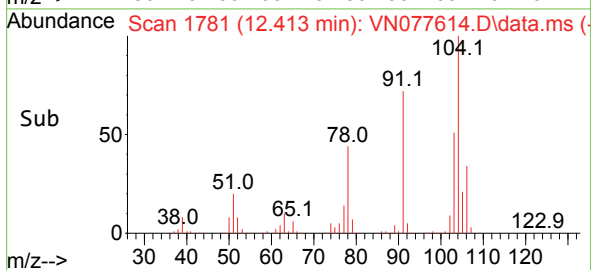
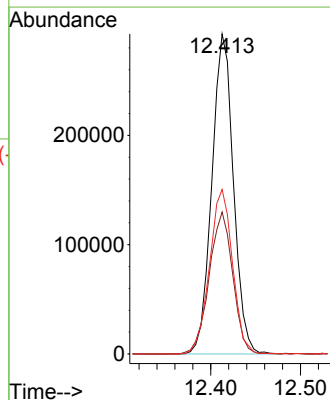
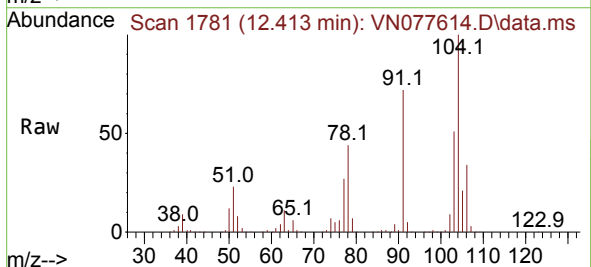
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

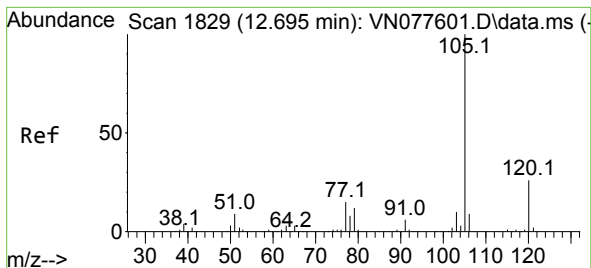
Tgt Ion:106 Resp: 303948  
Ion Ratio Lower Upper  
106 100  
91 214.0 109.5 328.4



#69  
Styrene  
Concen: 20.364 ug/l  
RT: 12.413 min Scan# 1781  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion:104 Resp: 488787  
Ion Ratio Lower Upper  
104 100  
78 48.4 41.3 61.9  
103 54.9 44.0 66.0





#70

Isopropylbenzene

Concen: 20.424 ug/l

RT: 12.695 min Scan# 1829

Delta R.T. -0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

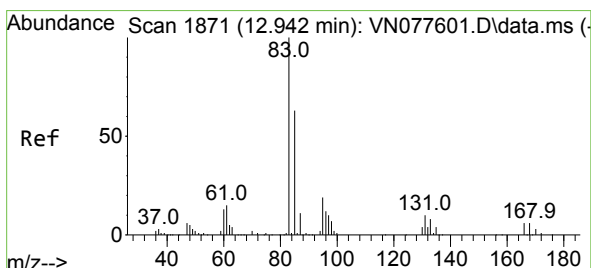
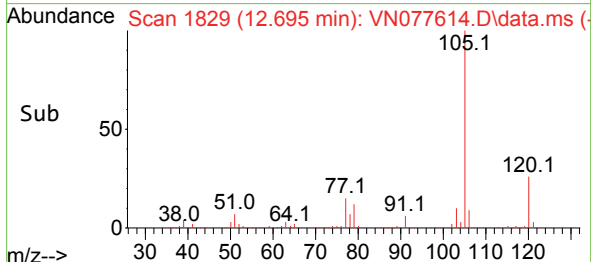
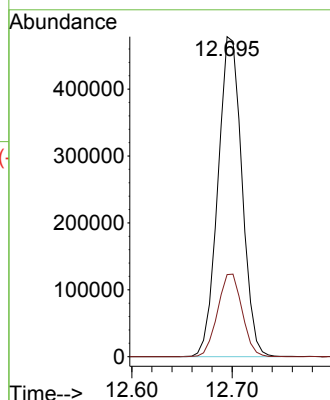
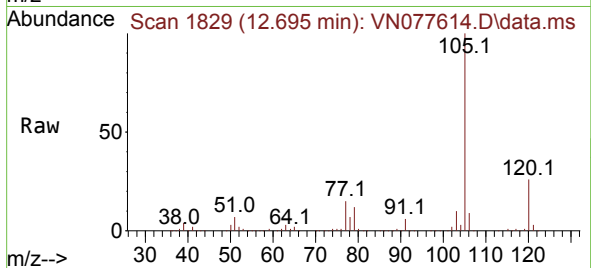
ICVVN050823

Tgt Ion:105 Resp: 796307

Ion Ratio Lower Upper

105 100

120 26.3 18.5 34.3



#71

1,1,2,2-Tetrachloroethane

Concen: 20.310 ug/l

RT: 12.942 min Scan# 1871

Delta R.T. 0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

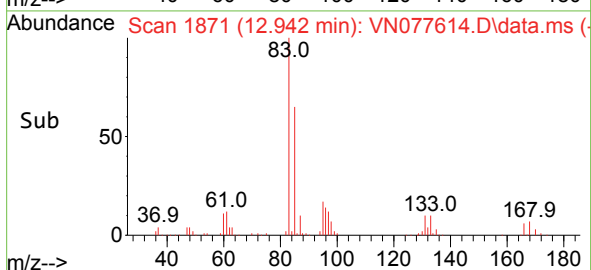
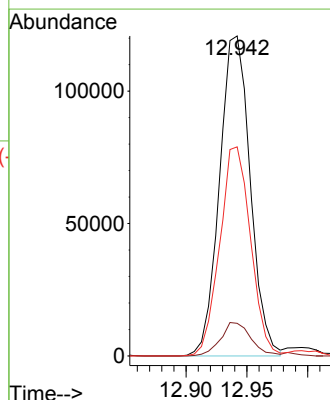
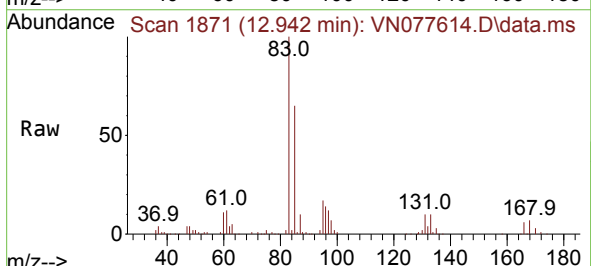
Tgt Ion: 83 Resp: 212352

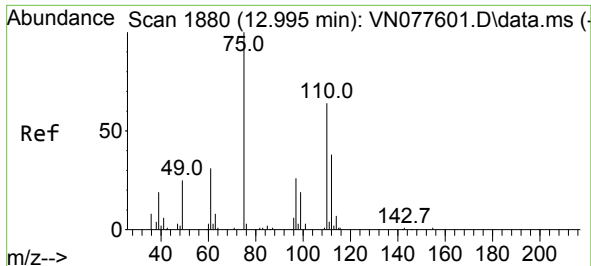
Ion Ratio Lower Upper

83 100

131 10.4 4.8 14.3

85 65.5 33.4 100.2

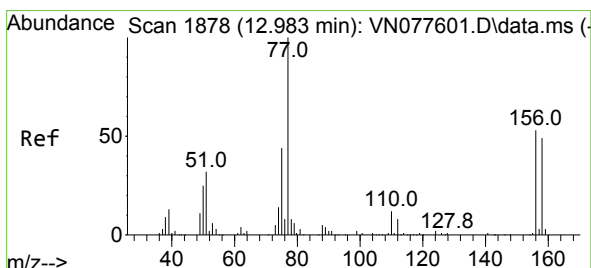
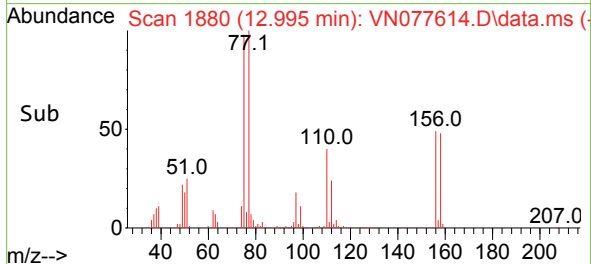
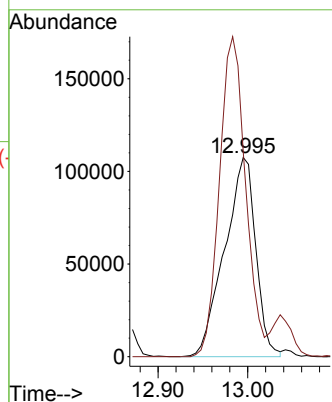
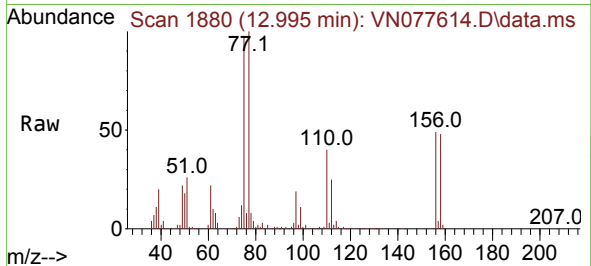




#72  
1,2,3-Trichloropropane  
Concen: 29.770 ug/l  
RT: 12.995 min Scan# 1880  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

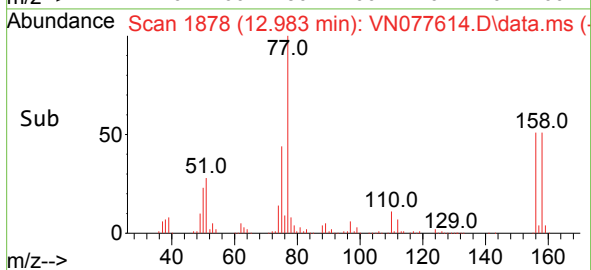
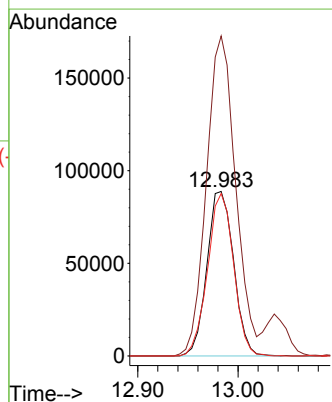
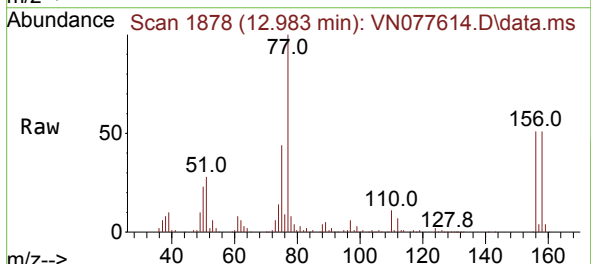
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

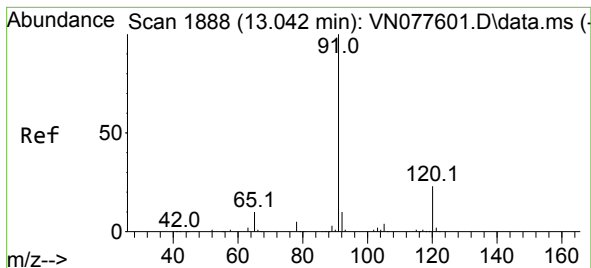
Tgt Ion: 75 Resp: 258991  
Ion Ratio Lower Upper  
75 100  
77 134.6 0.0 354.6



#73  
Bromobenzene  
Concen: 20.169 ug/l  
RT: 12.983 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion:156 Resp: 164429  
Ion Ratio Lower Upper  
156 100  
77 212.0 0.0 466.4  
158 96.3 0.0 196.2





#74

n-propylbenzene

Concen: 20.276 ug/l

RT: 13.036 min Scan# 1887

Delta R.T. -0.006 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

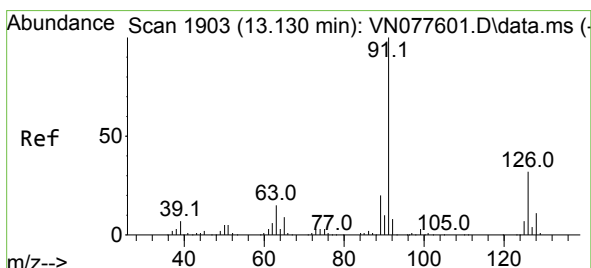
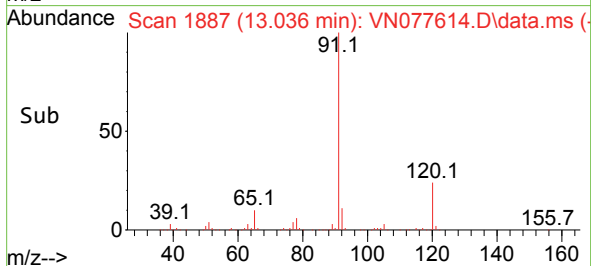
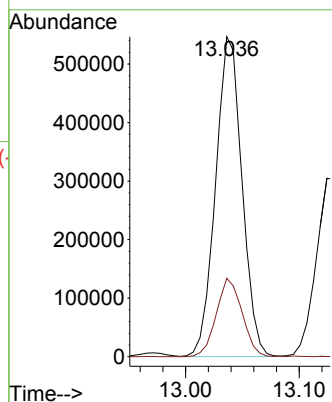
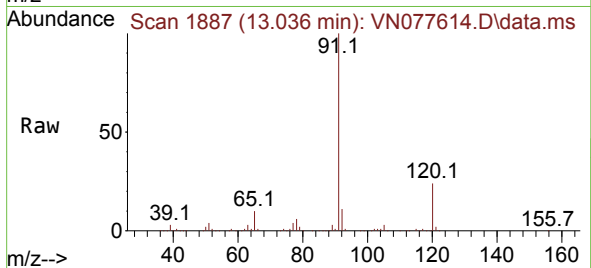
ICVVN050823

Tgt Ion: 91 Resp: 883920

Ion Ratio Lower Upper

91 100

120 23.8 0.0 45.6



#75

2-Chlorotoluene

Concen: 20.281 ug/l

RT: 13.124 min Scan# 1902

Delta R.T. -0.006 min

Lab File: VN077614.D

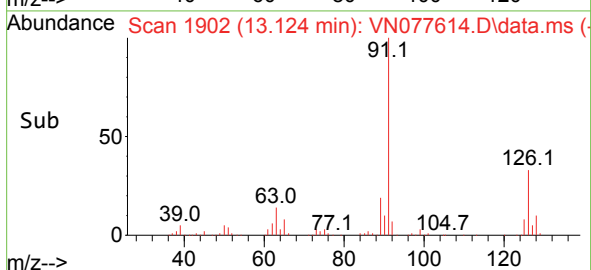
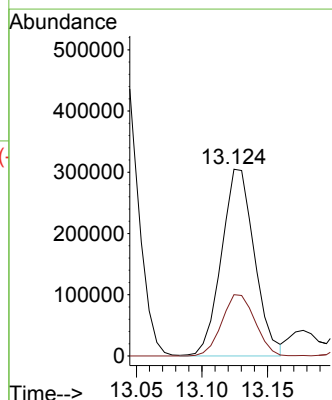
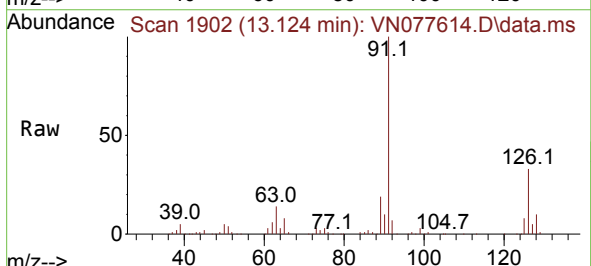
Acq: 08 May 2023 13:00

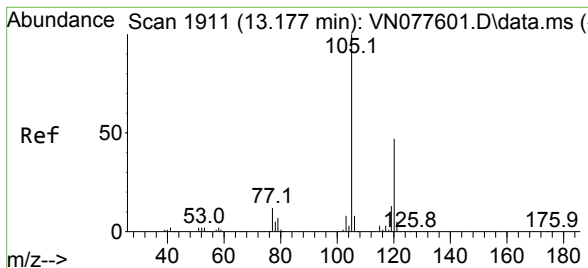
Tgt Ion: 91 Resp: 534725

Ion Ratio Lower Upper

91 100

126 33.0 0.0 65.0





#76

1,3,5-Trimethylbenzene

Concen: 20.586 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

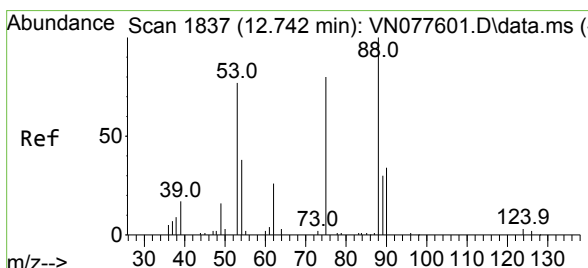
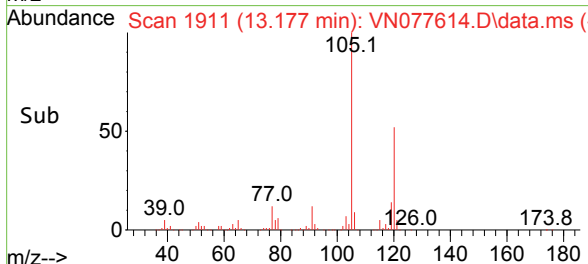
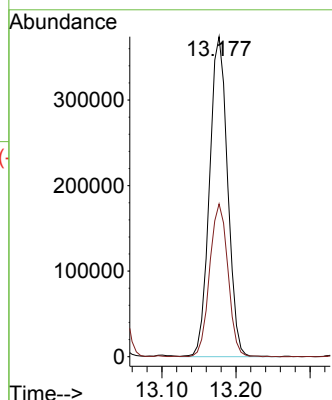
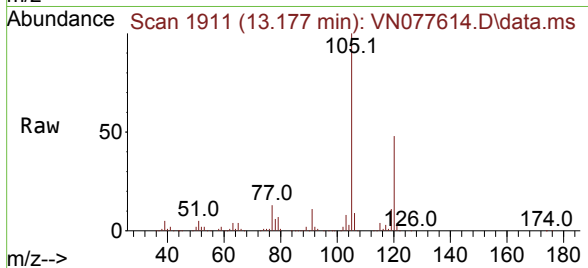
ICVVN050823

Tgt Ion:105 Resp: 634313

Ion Ratio Lower Upper

105 100

120 48.0 0.0 95.2



#77

t-1,4-Dichloro-2-butene

Concen: 19.889 ug/l

RT: 12.742 min Scan# 1837

Delta R.T. 0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

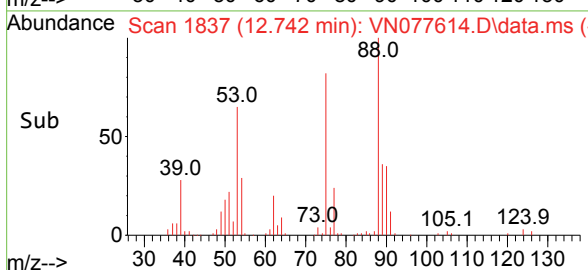
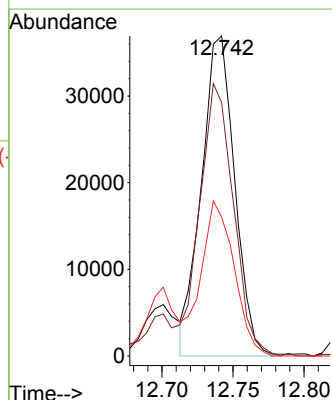
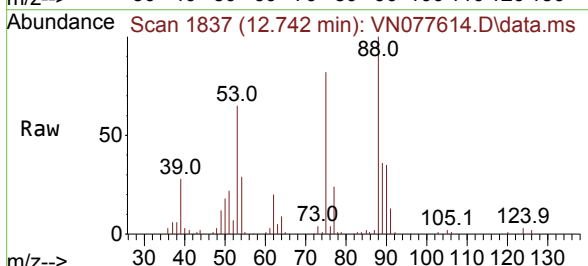
Tgt Ion: 75 Resp: 60280

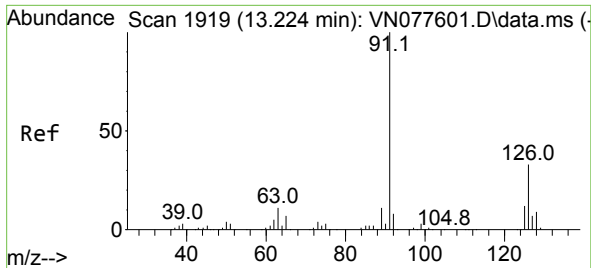
Ion Ratio Lower Upper

75 100

53 79.7 46.9 140.7

89 43.6 21.0 63.0

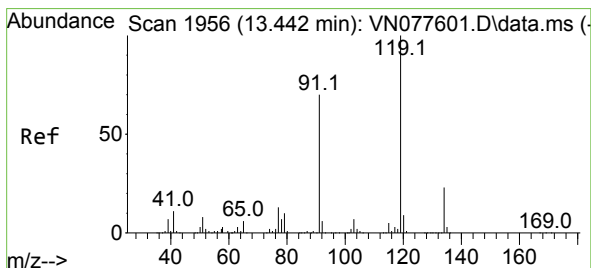
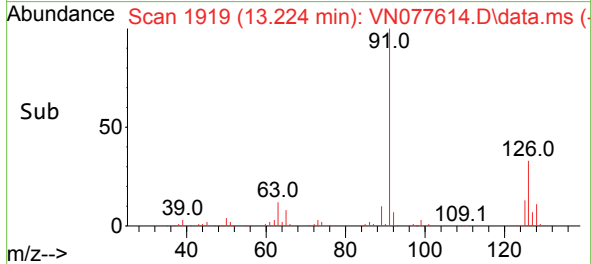
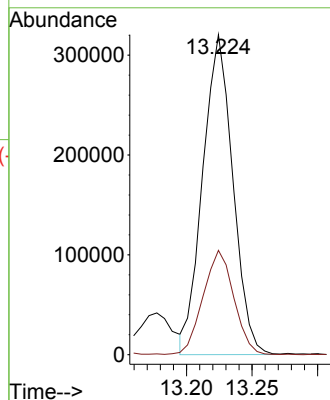
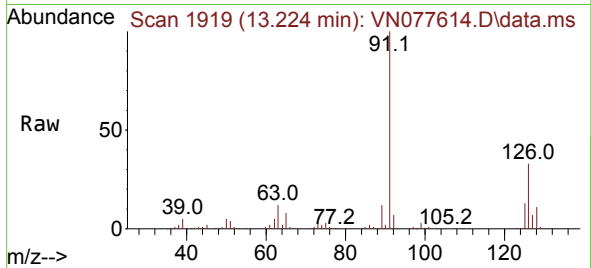




#78  
4-Chlorotoluene  
Concen: 19.905 ug/l  
RT: 13.224 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

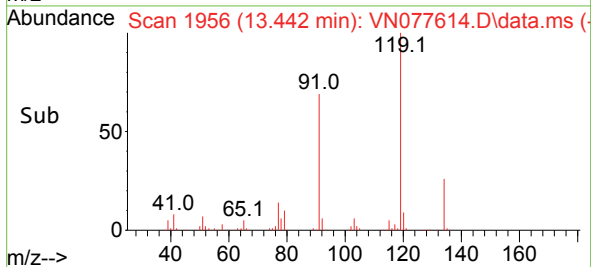
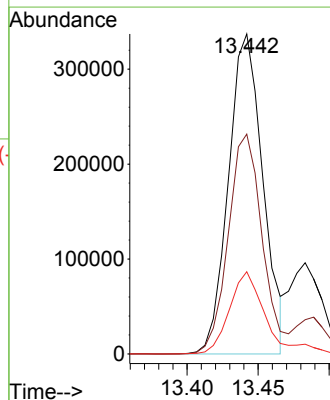
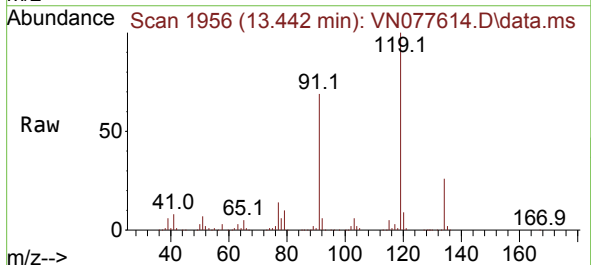
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

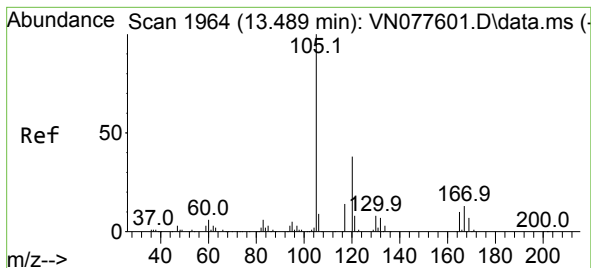
Tgt Ion: 91 Resp: 512430  
Ion Ratio Lower Upper  
91 100  
126 33.3 0.0 64.6



#79  
tert-butylbenzene  
Concen: 20.618 ug/l  
RT: 13.442 min Scan# 1956  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 119 Resp: 568961  
Ion Ratio Lower Upper  
119 100  
91 67.9 0.0 141.6  
134 25.0 0.0 46.6





#80

1,2,4-Trimethylbenzene

Concen: 20.231 ug/l

RT: 13.489 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

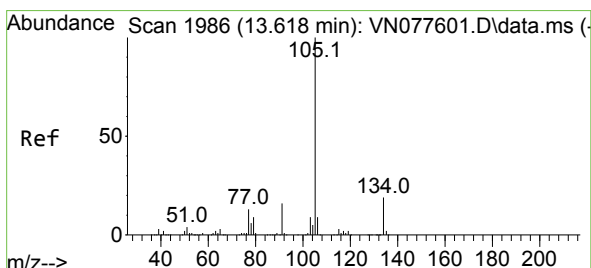
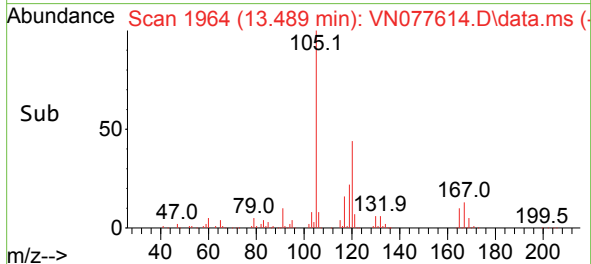
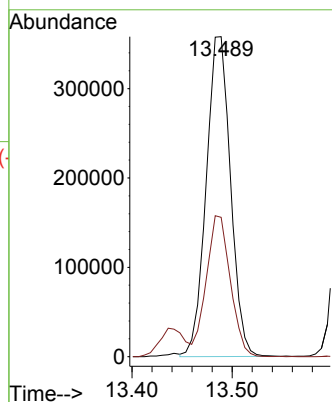
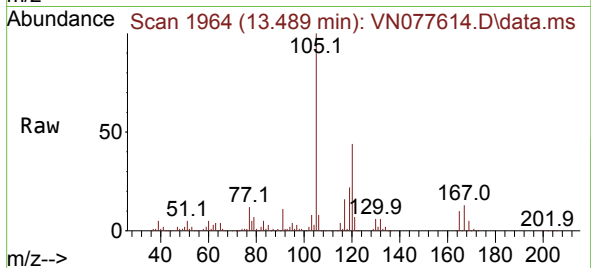
ICVVN050823

Tgt Ion:105 Resp: 604975

Ion Ratio Lower Upper

105 100

120 43.4 0.0 88.0



#81

sec-Butylbenzene

Concen: 20.608 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN077614.D

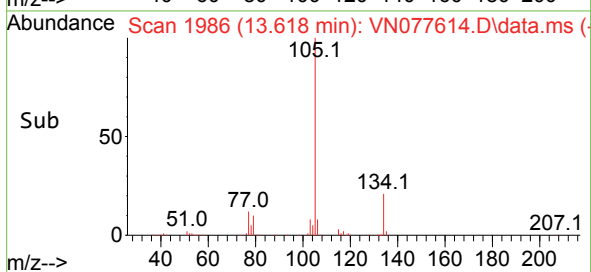
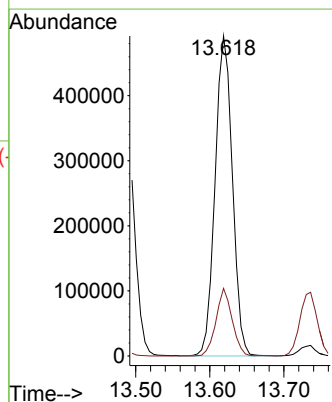
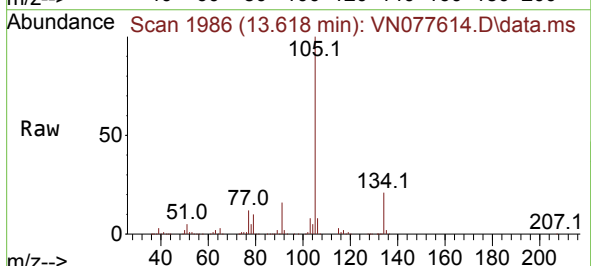
Acq: 08 May 2023 13:00

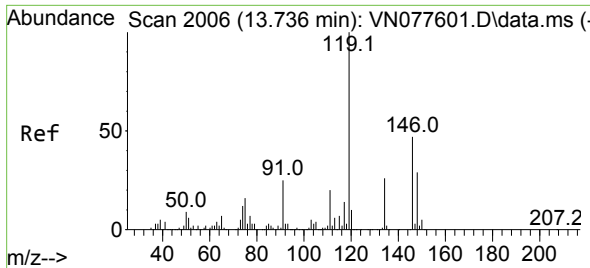
Tgt Ion:105 Resp: 798232

Ion Ratio Lower Upper

105 100

134 19.6 0.0 37.8

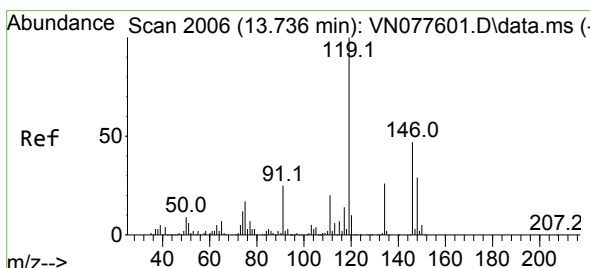
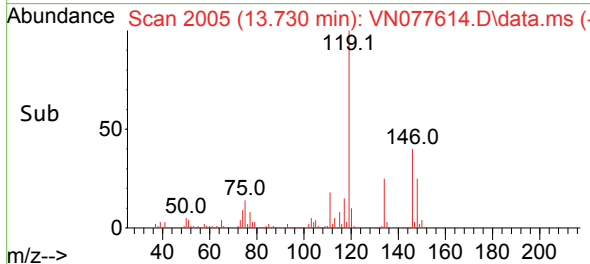
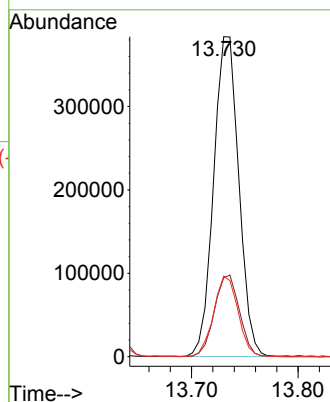
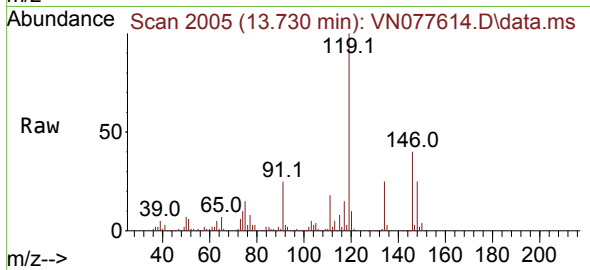




#82  
p-Isopropyltoluene  
Concen: 20.415 ug/l  
RT: 13.730 min Scan# 2005  
Delta R.T. -0.006 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

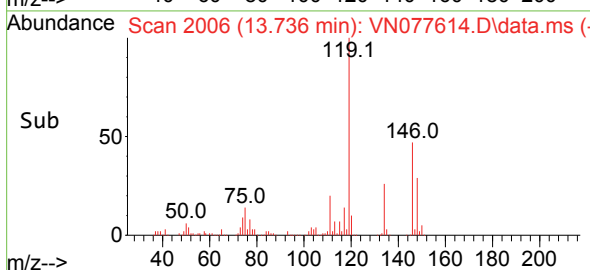
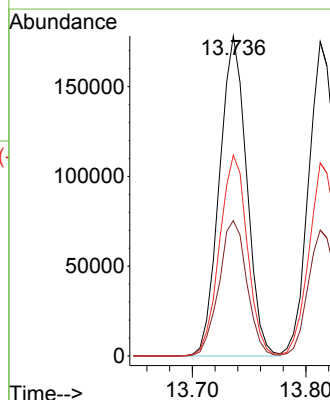
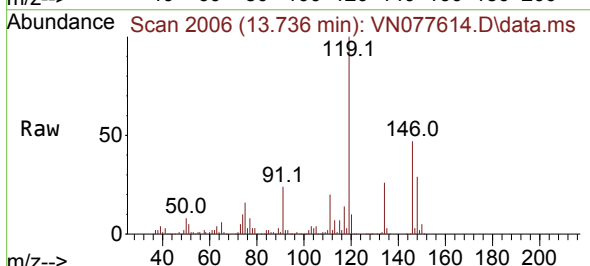
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

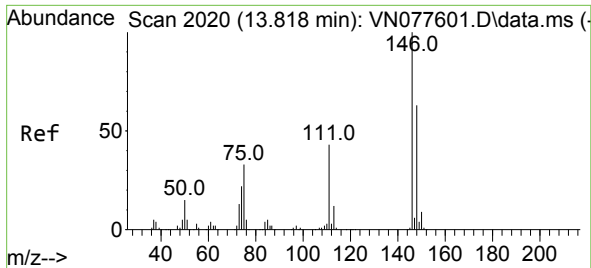
Tgt Ion:119 Resp: 629186  
Ion Ratio Lower Upper  
119 100  
134 25.4 0.0 52.2  
91 24.5 0.0 51.2



#83  
1,3-Dichlorobenzene  
Concen: 19.608 ug/l  
RT: 13.736 min Scan# 2006  
Delta R.T. 0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion:146 Resp: 296851  
Ion Ratio Lower Upper  
146 100  
111 43.4 22.1 66.1  
148 64.1 32.5 97.4

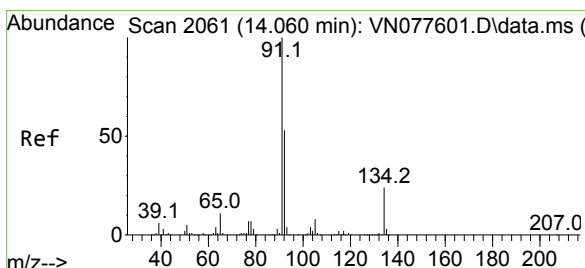
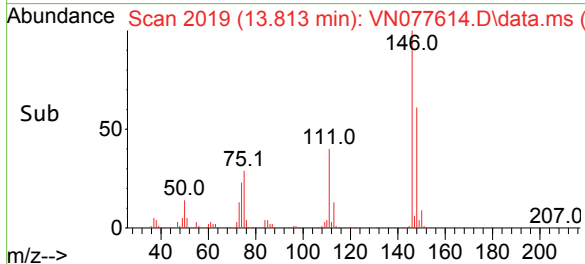
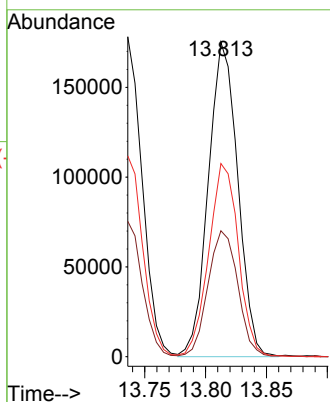
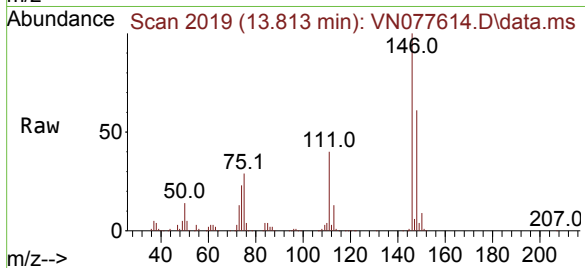




#84  
1,4-Dichlorobenzene  
Concen: 19.868 ug/l  
RT: 13.813 min Scan# 2020  
Delta R.T. -0.005 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

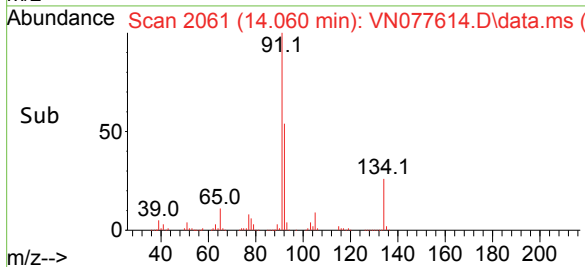
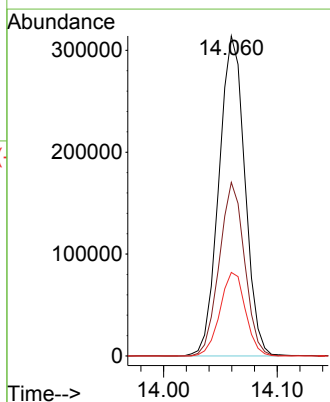
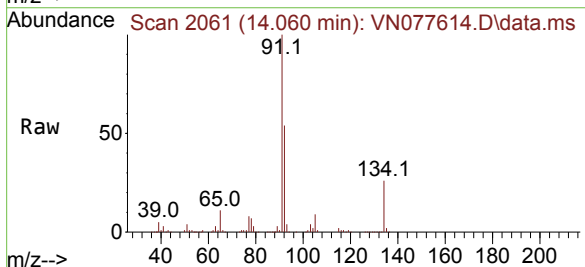
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050823

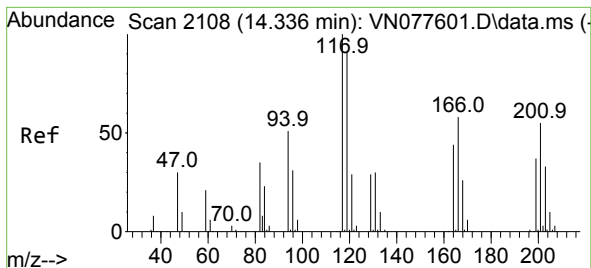
Tgt Ion:146 Resp: 294458  
Ion Ratio Lower Upper  
146 100  
111 40.6 20.8 62.4  
148 61.9 31.1 93.5



#85  
n-Butylbenzene  
Concen: 19.651 ug/l  
RT: 14.060 min Scan# 2061  
Delta R.T. -0.000 min  
Lab File: VN077614.D  
Acq: 08 May 2023 13:00

Tgt Ion: 91 Resp: 498242  
Ion Ratio Lower Upper  
91 100  
92 52.9 0.0 107.0  
134 25.7 0.0 50.2





#86

Hexachloroethane

Concen: 20.428 ug/l

RT: 14.336 min Scan# 2108

Delta R.T. 0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

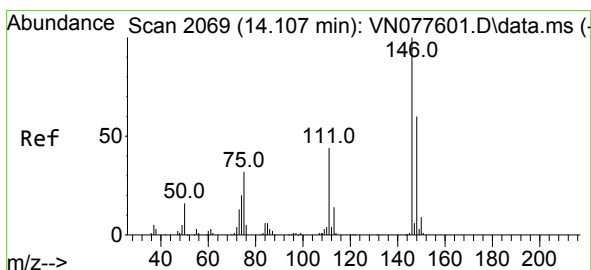
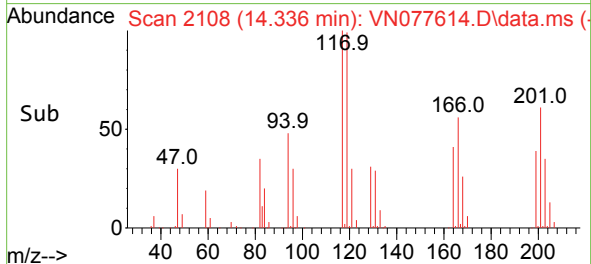
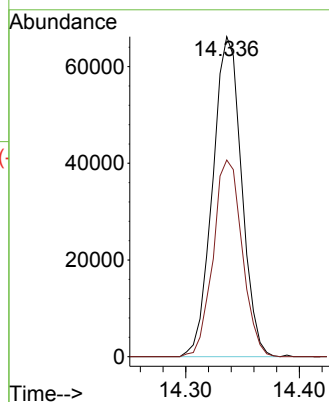
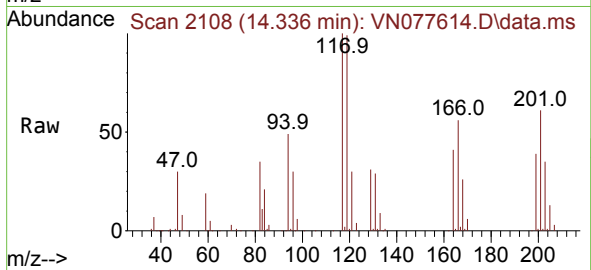
ICVVN050823

Tgt Ion:117 Resp: 117334

Ion Ratio Lower Upper

117 100

201 61.5 28.1 84.4



#87

1,2-Dichlorobenzene

Concen: 19.814 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

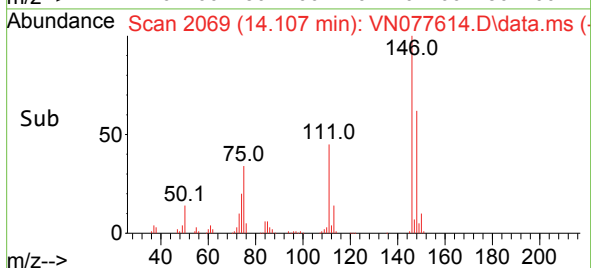
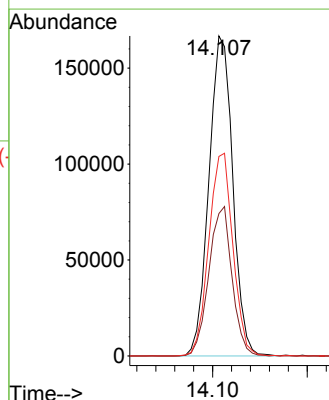
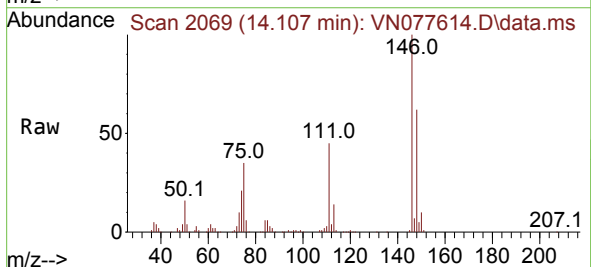
Tgt Ion:146 Resp: 291178

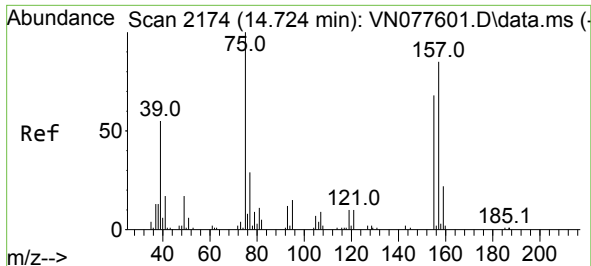
Ion Ratio Lower Upper

146 100

111 45.5 22.7 68.0

148 64.2 31.0 93.0

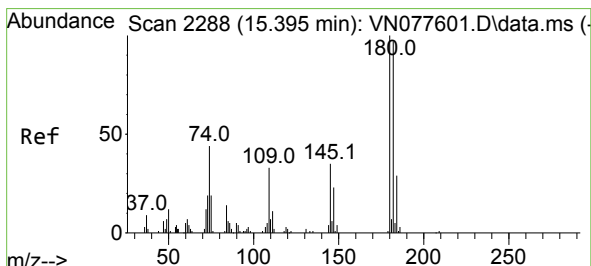
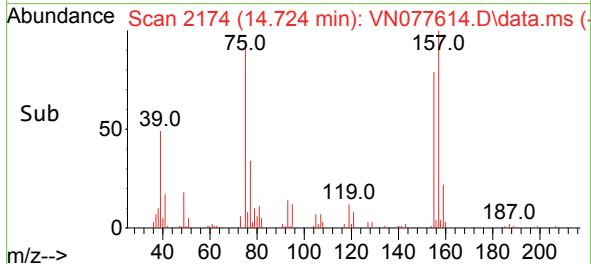
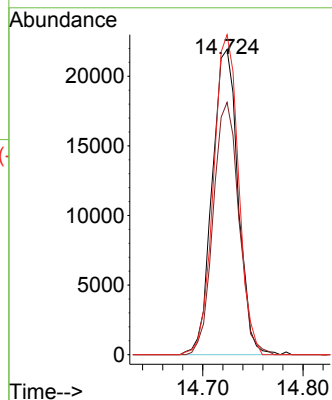
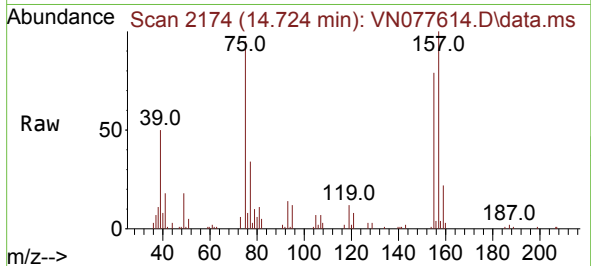




#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.689 ug/l  
 RT: 14.724 min Scan# 2174  
 Delta R.T. 0.000 min  
 Lab File: VN077614.D  
 Acq: 08 May 2023 13:00

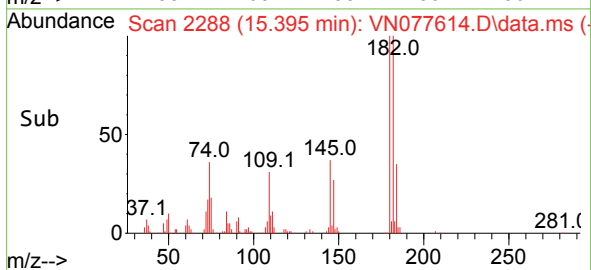
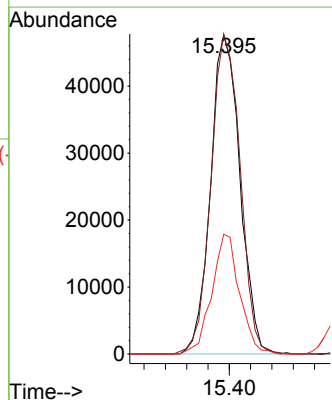
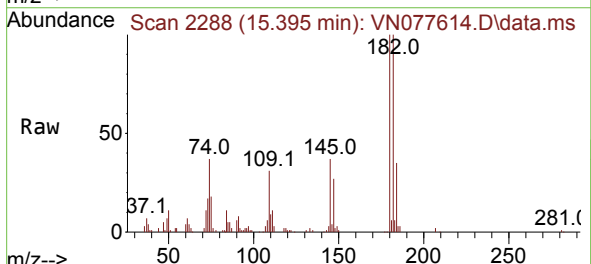
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN050823

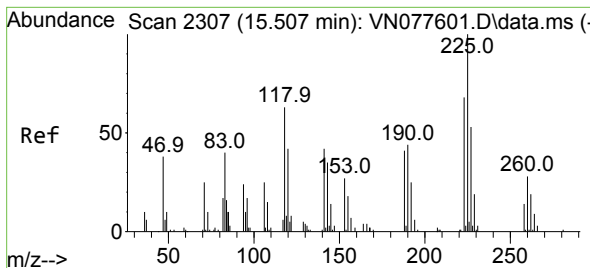
Tgt Ion: 75 Resp: 39310  
 Ion Ratio Lower Upper  
 75 100  
 155 81.9 63.1 94.7  
 157 101.2 75.5 113.3



#89  
 1,2,4-Trichlorobenzene  
 Concen: 18.018 ug/l  
 RT: 15.395 min Scan# 2288  
 Delta R.T. -0.000 min  
 Lab File: VN077614.D  
 Acq: 08 May 2023 13:00

Tgt Ion: 180 Resp: 91228  
 Ion Ratio Lower Upper  
 180 100  
 182 99.5 75.1 112.7  
 145 35.4 28.6 43.0





#90

Hexachlorobutadiene

Concen: 21.612 ug/l

RT: 15.507 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050823

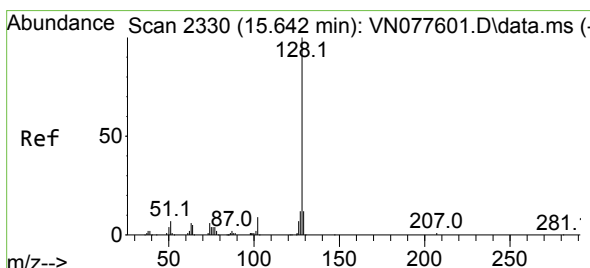
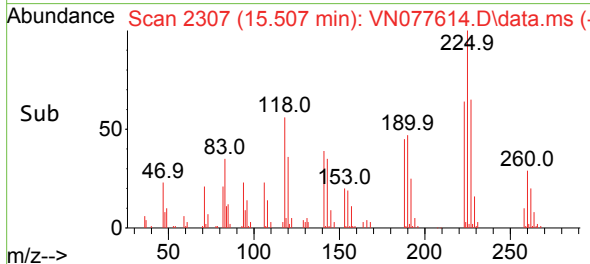
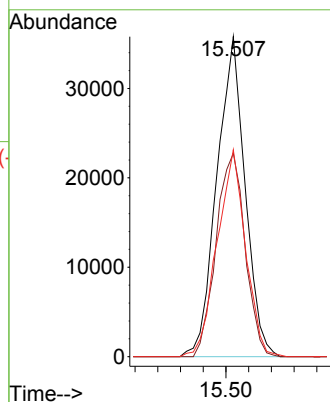
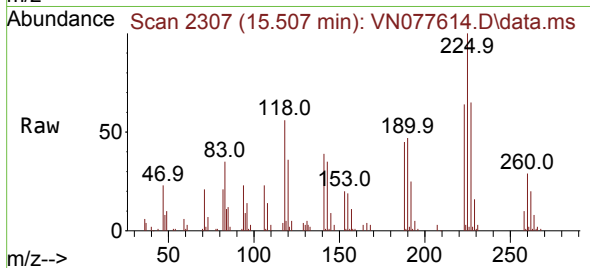
Tgt Ion:225 Resp: 61702

Ion Ratio Lower Upper

225 100

223 65.3 0.0 132.2

227 64.9 0.0 116.2



#91

Naphthalene

Concen: 19.005 ug/l

RT: 15.648 min Scan# 2331

Delta R.T. 0.006 min

Lab File: VN077614.D

Acq: 08 May 2023 13:00

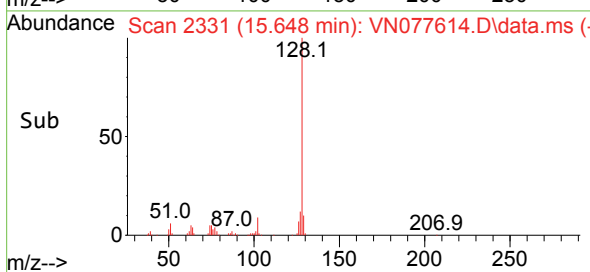
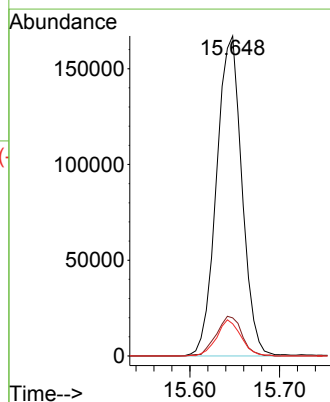
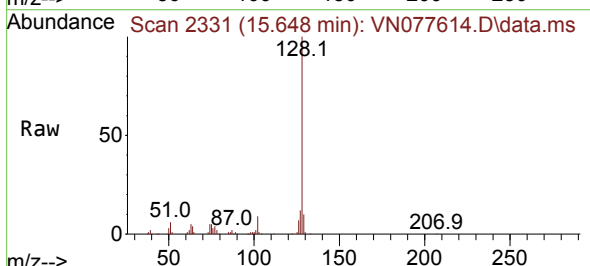
Tgt Ion:128 Resp: 328696

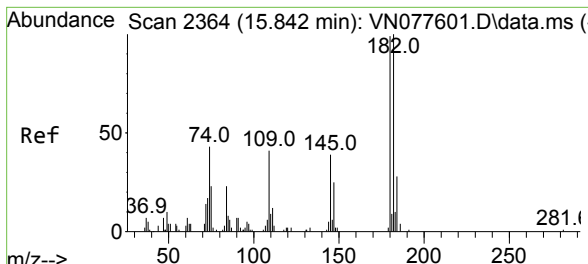
Ion Ratio Lower Upper

128 100

127 12.5 9.6 14.4

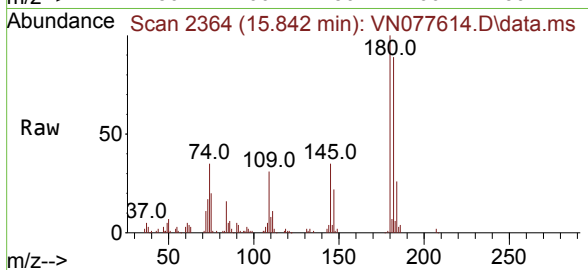
129 10.7 9.1 13.7





#92  
 1,2,3-Trichlorobenzene  
 Concen: 18.426 ug/l  
 RT: 15.842 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN077614.D  
 Acq: 08 May 2023 13:00

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN050823



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 85918 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.7  | 0.0   | 193.4 |
| 145       | 36.2  | 0.0   | 78.6  |

