

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN053123\  
 Data File : VN077984.D  
 Acq On : 31 May 2023 10:20  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jun 01 01:47:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.236  | 168  | 364209   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.112  | 114  | 655121   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 586257   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 250089   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 266514   | 48.906   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 97.820%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 227461   | 53.245   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 106.480% |
| 50) Toluene-d8              | 10.571 | 98    | 814072   | 49.508   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 99.020%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 283938   | 48.893   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 97.780%  |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.136 | 85  | 173129 | 41.769  | ug/l   | 98  |
| 3) Chloromethane             | 2.371 | 50  | 192278 | 43.520  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.524 | 62  | 248288 | 47.511  | ug/l   | 98  |
| 5) Bromomethane              | 2.948 | 94  | 190459 | 49.278  | ug/l   | 98  |
| 6) Chloroethane              | 3.118 | 64  | 183957 | 48.845  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.501 | 101 | 354787 | 48.715  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.971 | 74  | 131761 | 49.557  | ug/l   | 80  |
| 9) 1,1,2-Trichlorotrifluo... | 4.383 | 101 | 194874 | 48.351  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.595 | 142 | 274344 | 57.076  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.530 | 59  | 183598 | 244.119 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 4.348 | 96  | 188786 | 49.283  | ug/l   | 92  |
| 13) Acrolein                 | 4.183 | 56  | 87609  | 179.097 | ug/l   | 95  |
| 14) Allyl chloride           | 5.036 | 41  | 257167 | 45.699  | ug/l   | 93  |
| 15) Acrylonitrile            | 5.730 | 53  | 498605 | 248.151 | ug/l   | 98  |
| 16) Acetone                  | 4.436 | 43  | 409167 | 238.653 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.718 | 76  | 456769 | 44.254  | ug/l   | 98  |
| 18) Methyl Acetate           | 5.030 | 43  | 362277 | 50.368  | ug/l   | 90  |
| 19) Methyl tert-butyl Ether  | 5.806 | 73  | 721837 | 52.060  | ug/l   | 100 |
| 20) Methylene Chloride       | 5.283 | 84  | 239214 | 53.754  | ug/l   | 91  |
| 21) trans-1,2-Dichloroethene | 5.789 | 96  | 213920 | 49.714  | ug/l   | 89  |
| 22) Diisopropyl ether        | 6.683 | 45  | 672916 | 51.016  | ug/l   | 95  |
| 23) Vinyl Acetate            | 6.612 | 43  | 205599 | 251.577 | ug/l # | 90  |
| 24) 1,1-Dichloroethane       | 6.577 | 63  | 416898 | 51.590  | ug/l   | 98  |
| 25) 2-Butanone               | 7.494 | 43  | 640576 | 238.845 | ug/l # | 85  |
| 26) 2,2-Dichloropropane      | 7.500 | 77  | 346815 | 50.516  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.494 | 96  | 269287 | 52.193  | ug/l   | 93  |
| 28) Bromochloromethane       | 7.824 | 49  | 182573 | 52.241  | ug/l   | 90  |
| 29) Tetrahydrofuran          | 7.847 | 42  | 423194 | 240.980 | ug/l # | 83  |
| 30) Chloroform               | 7.971 | 83  | 454965 | 51.181  | ug/l   | 96  |
| 31) Cyclohexane              | 8.265 | 56  | 331887 | 44.810  | ug/l   | 91  |
| 32) 1,1,1-Trichloroethane    | 8.177 | 97  | 395555 | 52.338  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 8.377 | 75  | 326243 | 52.212  | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.565 | 43  | 266439 | 47.841  | ug/l # | 95  |
| 38) Carbon Tetrachloride     | 8.371 | 117 | 347297 | 55.043  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.606 | 83  | 356541 | 46.609  | ug/l   | 90  |
| 40) Benzene                  | 8.612 | 78  | 986880 | 53.522  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jun 01 01:47:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.789  | 41   | 142752   | 48.130   | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 352213   | 52.584   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 463757   | 50.980   | ug/l   | 95       |
| 44) Trichloroethene           | 9.359  | 130  | 251725   | 53.915   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.630  | 63   | 254376   | 54.085   | ug/l   | 97       |
| 46) Dibromomethane            | 9.712  | 93   | 180056   | 53.501   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.894  | 83   | 365157   | 56.673   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.688  | 41   | 217256   | 50.373   | ug/l   | 89       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 93263    | 1144.884 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43   | 1398198  | 258.578  | ug/l   | 93       |
| 52) Toluene                   | 10.635 | 92   | 627176   | 54.636   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 380161   | 55.716   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 416367   | 55.374   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 11.024 | 97   | 251523   | 55.184   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 369969   | 53.685   | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 11.171 | 76   | 421482   | 53.941   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 727221   | 214.496  | ug/l   | 92       |
| 59) 2-Hexanone                | 11.200 | 43   | 985514   | 246.407  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.365 | 129  | 280755   | 59.667   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.477 | 107  | 259537   | 57.078   | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.112 | 164  | 237567   | 57.946   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.900 | 112  | 678871   | 53.415   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 256819   | 58.400   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.971 | 91   | 1223010  | 53.698   | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.077 | 106  | 935255   | 108.373  | ug/l   | 98       |
| 69) o-Xylene                  | 12.406 | 106  | 457963   | 53.960   | ug/l   | 97       |
| 70) Styrene                   | 12.418 | 104  | 745241   | 55.275   | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 175640   | 60.039   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.700 | 105  | 1182085  | 54.833   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.500 | 43   | 375098   | 47.073   | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 347617   | 52.415   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 426418   | 68.084   | ug/l   | 74       |
| 77) Bromobenzene              | 12.988 | 156  | 260655   | 52.983   | ug/l   | 99       |
| 78) n-propylbenzene           | 13.041 | 91   | 1369626  | 53.890   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.135 | 91   | 817002   | 53.872   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.182 | 105  | 988663   | 54.566   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 103466   | 52.806   | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 13.229 | 91   | 779499   | 51.659   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.447 | 119  | 833773   | 52.713   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 982354   | 55.129   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.623 | 105  | 1181030  | 52.539   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 958314   | 53.474   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146  | 470503   | 51.714   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.818 | 146  | 462262   | 51.202   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.065 | 91   | 792852   | 48.100   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.341 | 117  | 166978   | 56.717   | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 463024   | 54.477   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.729 | 75   | 58206    | 45.333   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 197180   | 39.699   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.512 | 225  | 92952    | 45.073   | ug/l   | 96       |
| 95) Naphthalene               | 15.647 | 128  | 605194   | 35.399   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 203551   | 41.856   | ug/l   | 97       |

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Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

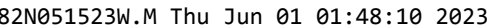
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

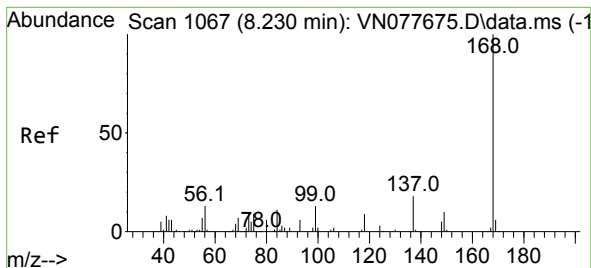
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 04:07:42 2023  
Response via : Initial Calibration

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

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

Quant Time: Jun 01 01:47:59 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 04:07:42 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

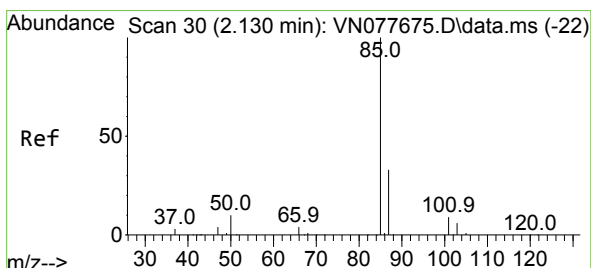
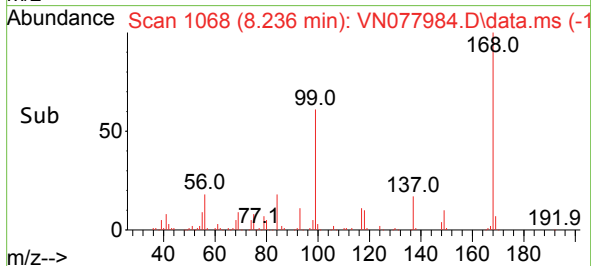
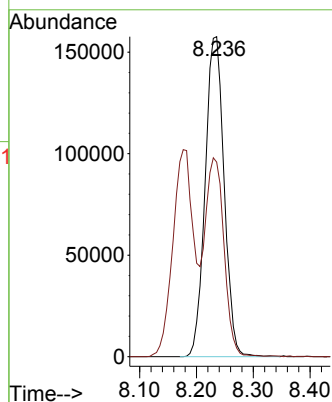
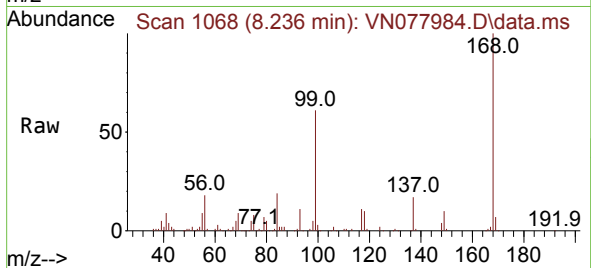
VSTDCCC050

Tgt Ion:168 Resp: 364209

Ion Ratio Lower Upper

168 100

99 60.6 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 41.769 ug/l

RT: 2.136 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN077984.D

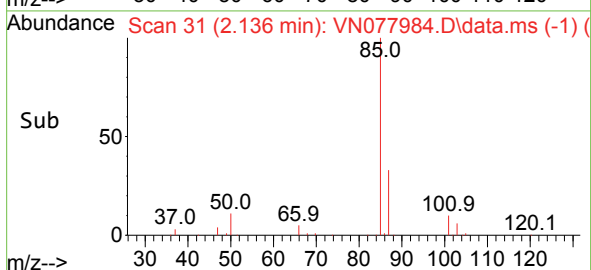
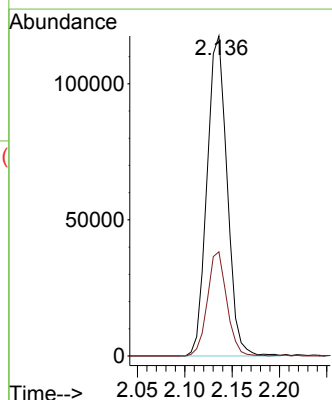
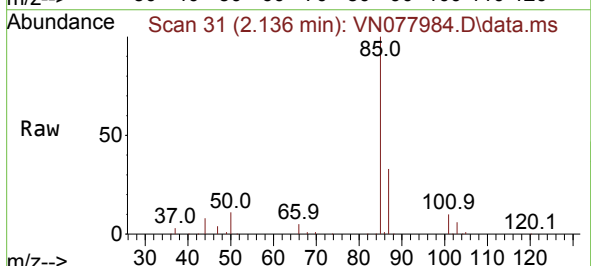
Acq: 31 May 2023 10:20

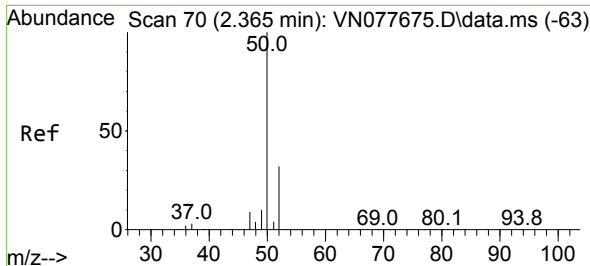
Tgt Ion: 85 Resp: 173129

Ion Ratio Lower Upper

85 100

87 32.5 15.8 47.4

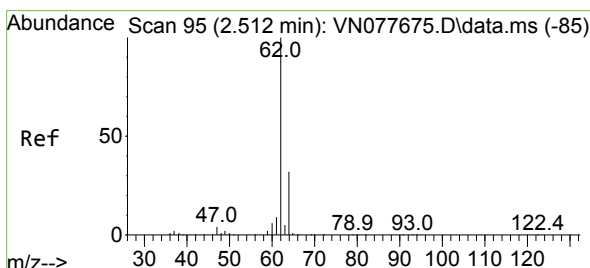
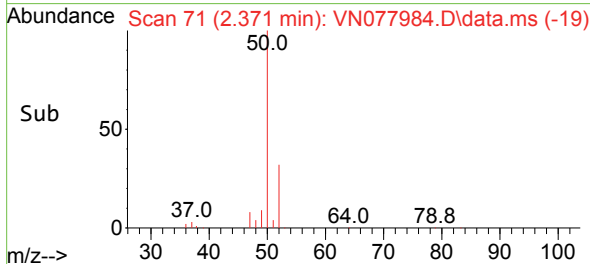
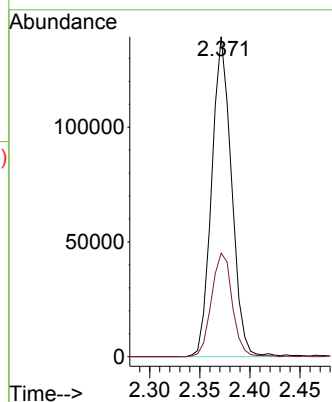
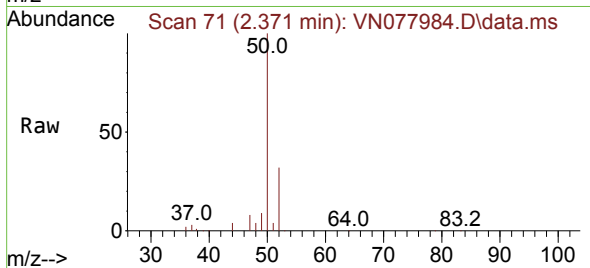




#3  
Chloromethane  
Concen: 43.520 ug/l  
RT: 2.371 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

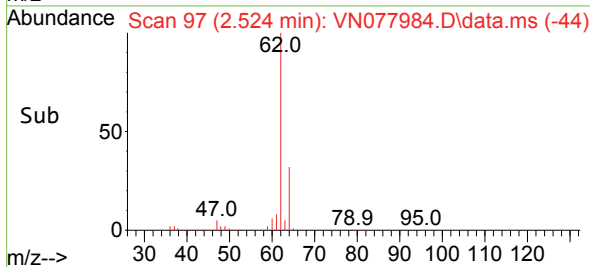
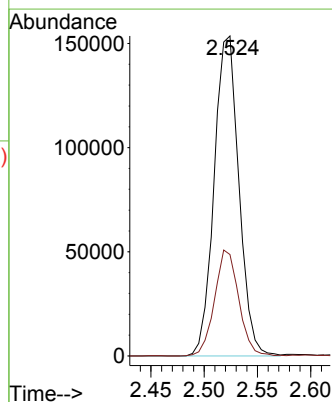
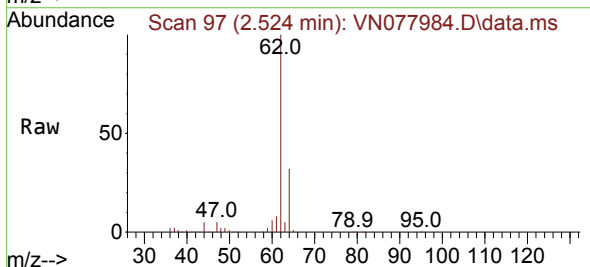
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

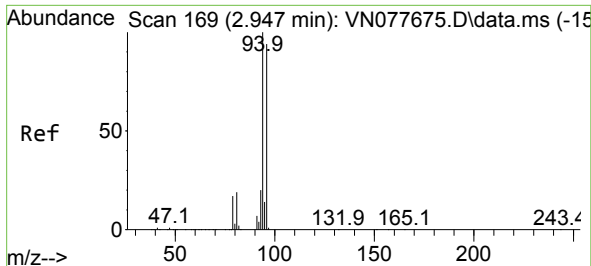
Tgt Ion: 50 Resp: 192278  
Ion Ratio Lower Upper  
50 100  
52 32.4 26.5 39.7



#4  
Vinyl Chloride  
Concen: 47.511 ug/l  
RT: 2.524 min Scan# 97  
Delta R.T. 0.012 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 62 Resp: 248288  
Ion Ratio Lower Upper  
62 100  
64 31.7 26.2 39.2

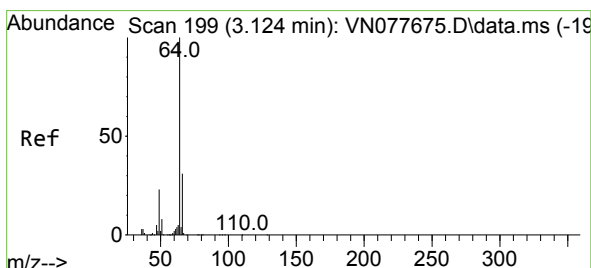
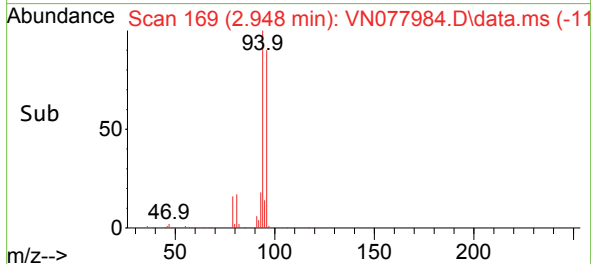
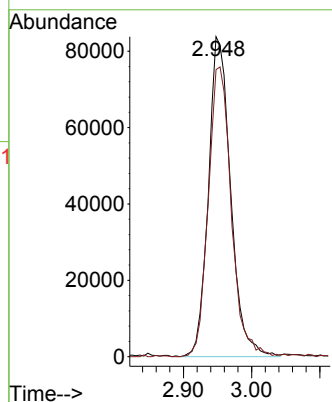
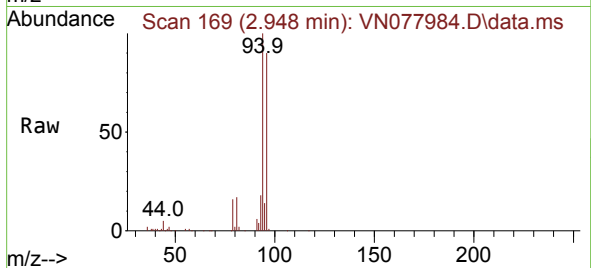




#5  
Bromomethane  
Concen: 49.278 ug/l  
RT: 2.948 min Scan# 1  
Delta R.T. 0.001 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

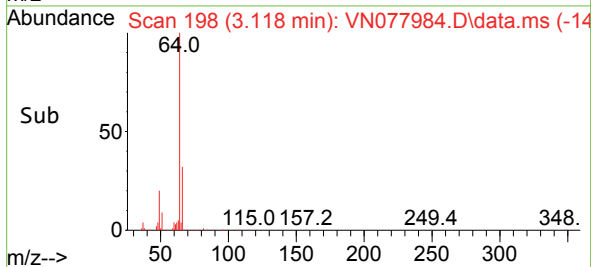
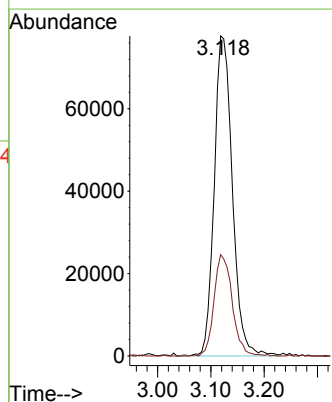
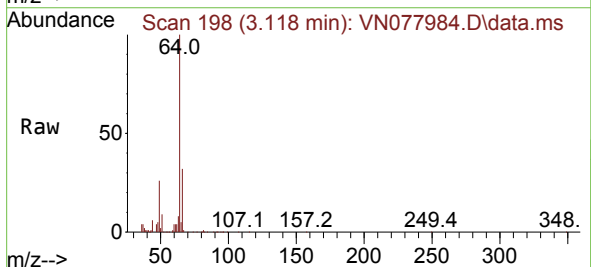
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

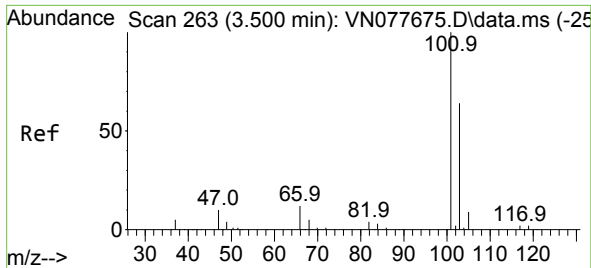
Tgt Ion: 94 Resp: 190459  
Ion Ratio Lower Upper  
94 100  
96 89.7 73.1 109.7



#6  
Chloroethane  
Concen: 48.845 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. -0.006 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 64 Resp: 183957  
Ion Ratio Lower Upper  
64 100  
66 31.6 25.4 38.2

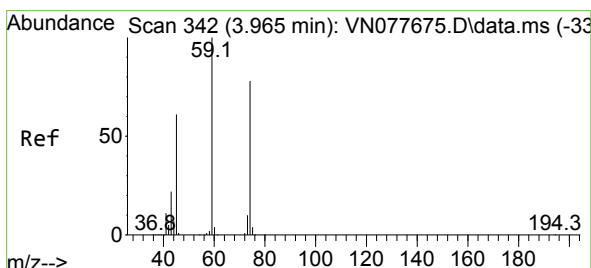
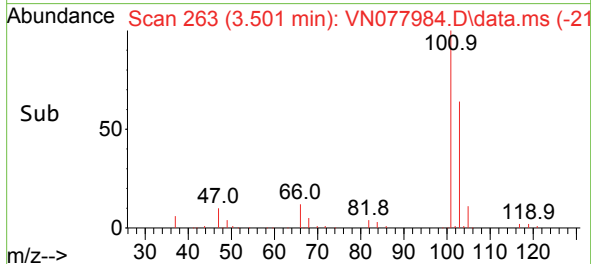
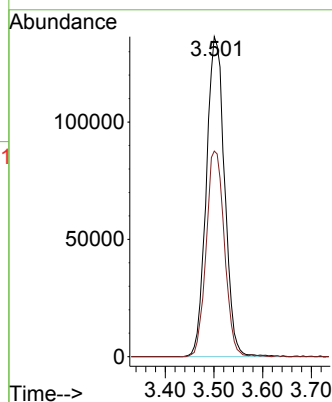
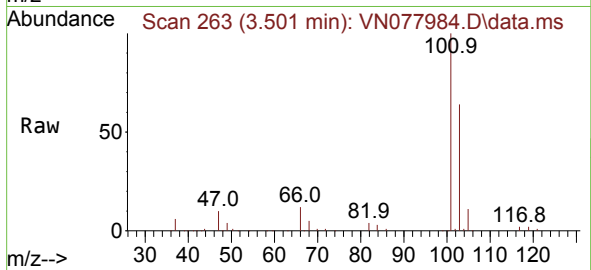




#7  
Trichlorofluoromethane  
Concen: 48.715 ug/l  
RT: 3.501 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

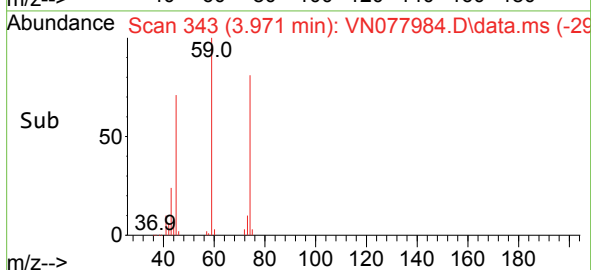
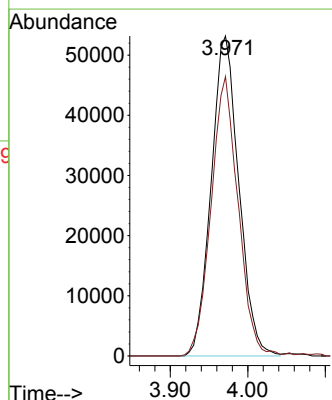
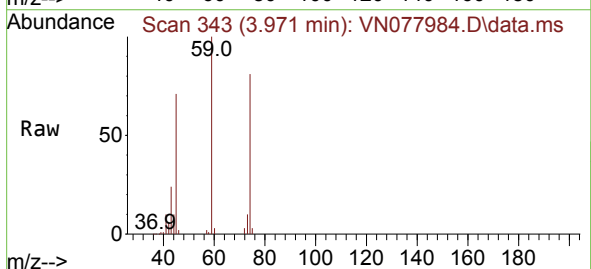
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

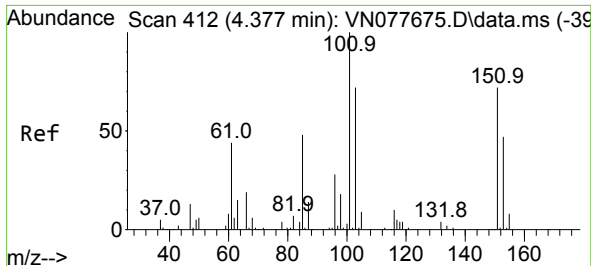
Tgt Ion:101 Resp: 354787  
Ion Ratio Lower Upper  
101 100  
103 64.3 50.7 76.1



#8  
Diethyl Ether  
Concen: 49.557 ug/l  
RT: 3.971 min Scan# 343  
Delta R.T. 0.006 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 74 Resp: 131761  
Ion Ratio Lower Upper  
74 100  
45 85.3 34.4 103.3

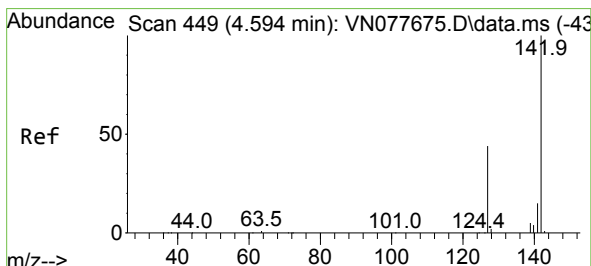
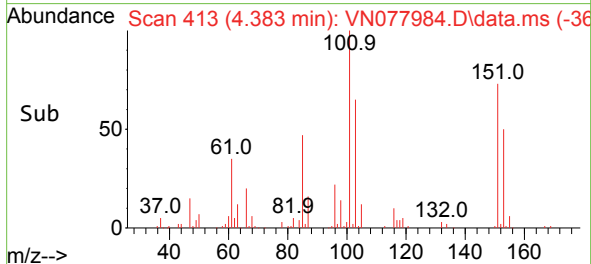
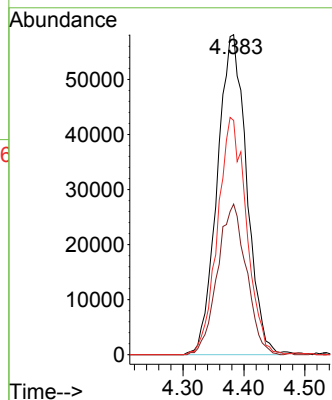
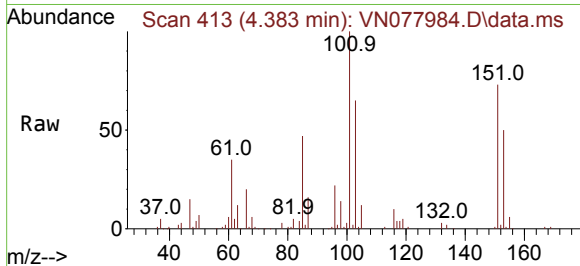




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.351 ug/l  
RT: 4.383 min Scan# 412  
Delta R.T. 0.006 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

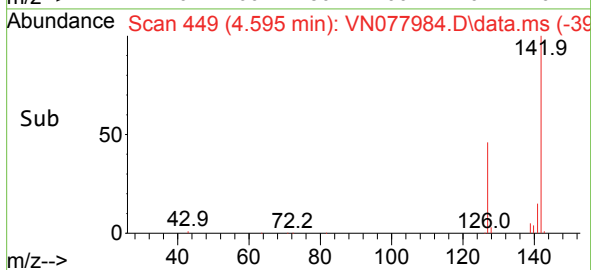
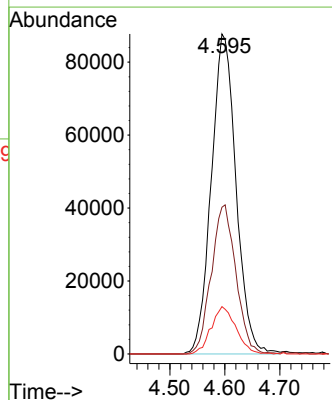
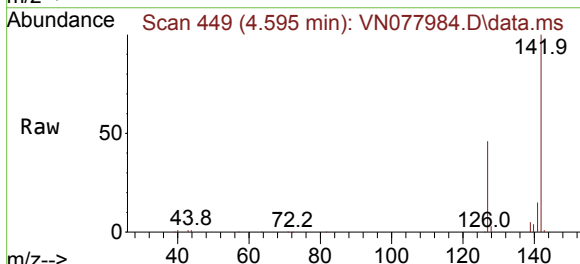
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

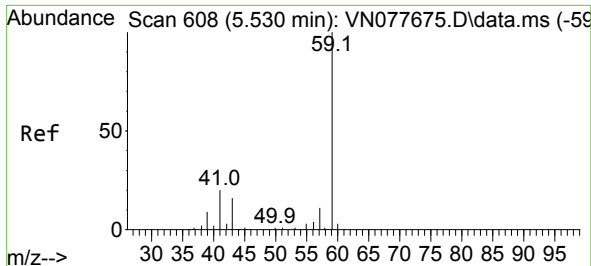
Tgt Ion:101 Resp: 194874  
Ion Ratio Lower Upper  
101 100  
85 46.3 36.6 55.0  
151 72.8 57.6 86.4



#10  
Methyl Iodide  
Concen: 57.076 ug/l  
RT: 4.595 min Scan# 449  
Delta R.T. 0.001 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion:142 Resp: 274344  
Ion Ratio Lower Upper  
142 100  
127 45.8 37.6 56.4  
141 14.8 11.4 17.0

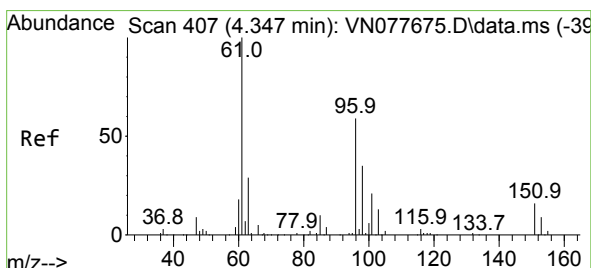
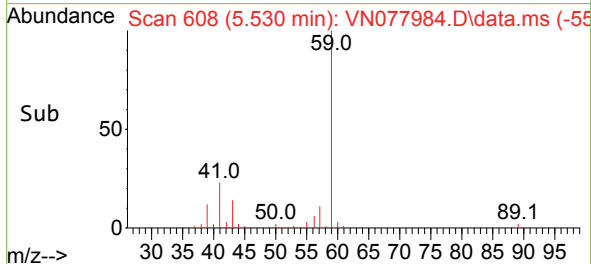
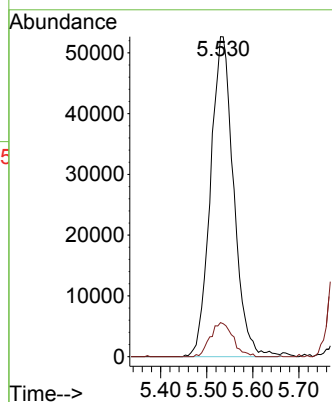
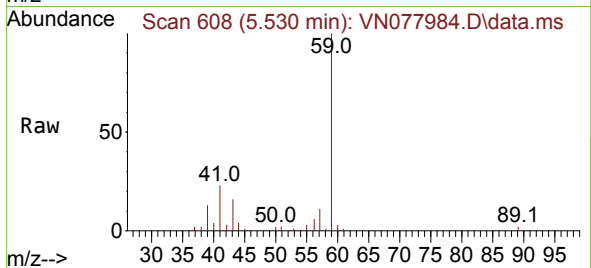




#11  
Tert butyl alcohol  
Concen: 244.119 ug/l  
RT: 5.530 min Scan# 608  
Delta R.T. -0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

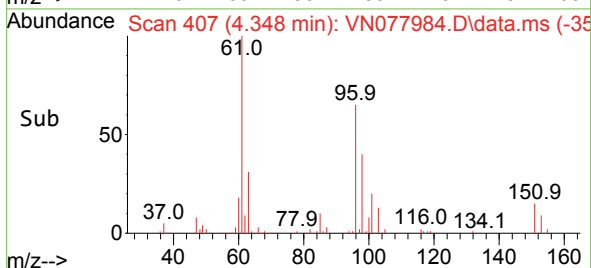
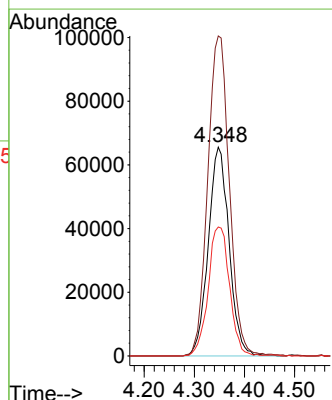
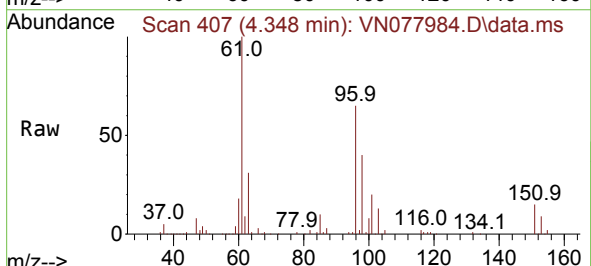
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

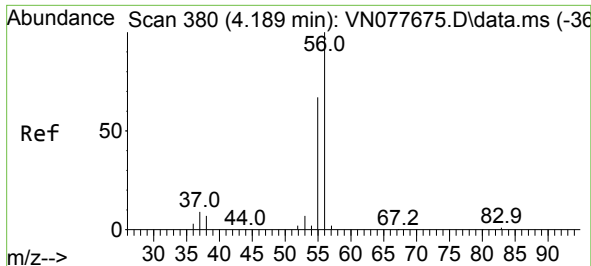
Tgt Ion: 59 Resp: 183598  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 49.283 ug/l  
RT: 4.348 min Scan# 407  
Delta R.T. 0.001 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 96 Resp: 188786  
Ion Ratio Lower Upper  
96 100  
61 153.3 112.7 169.1  
98 61.7 51.2 76.8

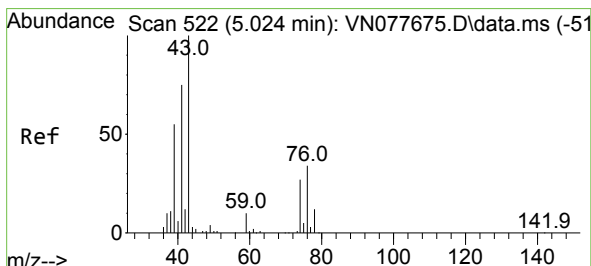
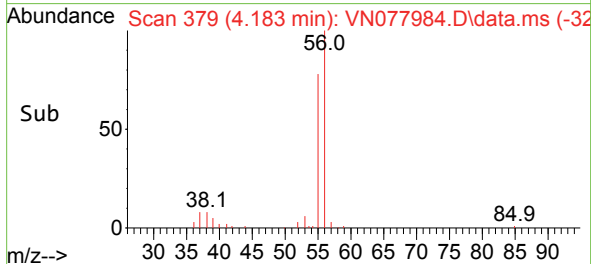
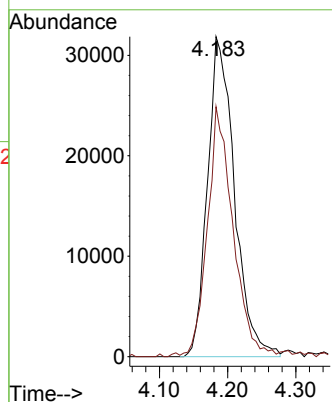
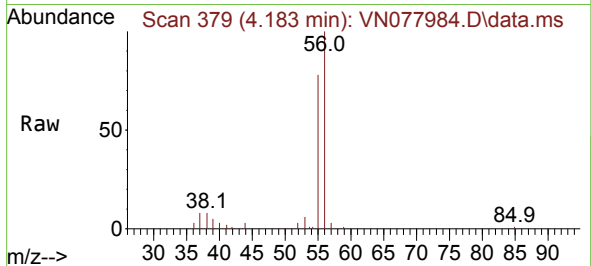




#13  
Acrolein  
Concen: 179.097 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

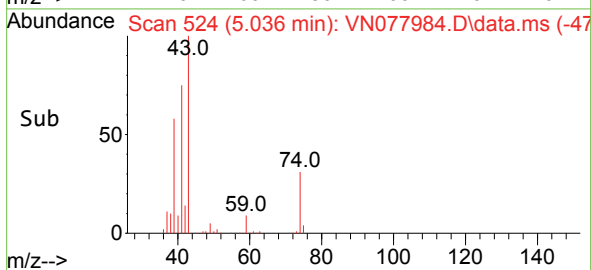
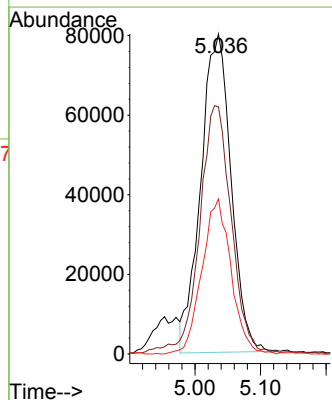
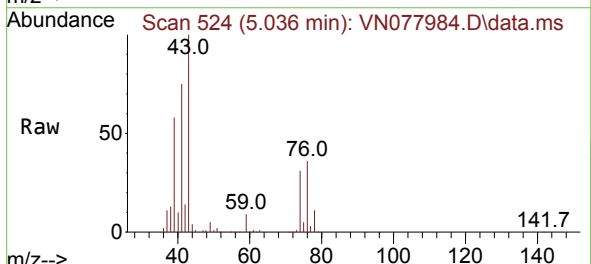
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

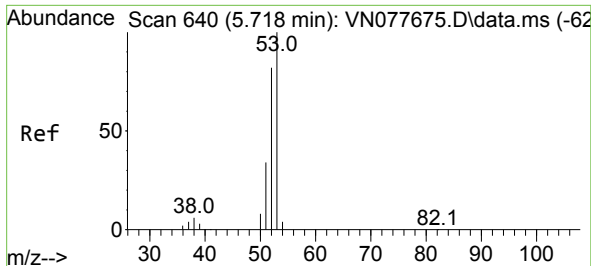
Tgt Ion: 56 Resp: 87609  
Ion Ratio Lower Upper  
56 100  
55 72.4 54.5 81.7



#14  
Allyl chloride  
Concen: 45.699 ug/l  
RT: 5.036 min Scan# 524  
Delta R.T. 0.012 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 41 Resp: 257167  
Ion Ratio Lower Upper  
41 100  
39 80.9 58.8 88.2  
76 46.7 39.1 58.7

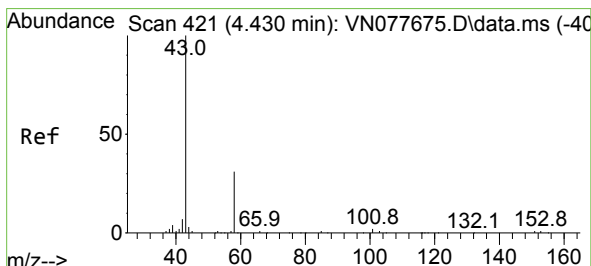
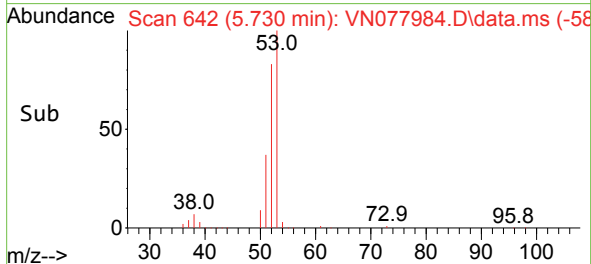
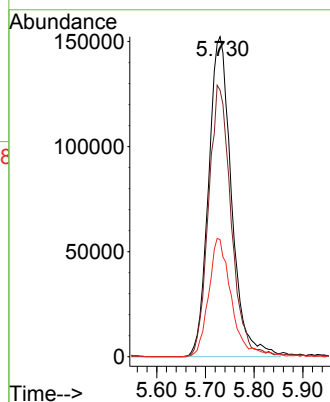
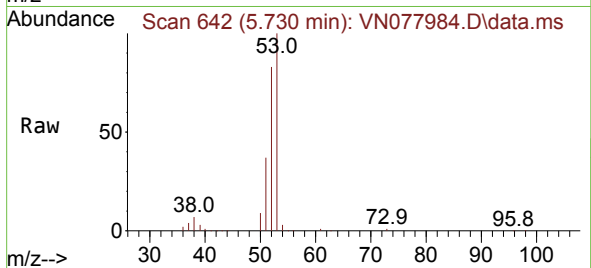




#15  
Acrylonitrile  
Concen: 248.151 ug/l  
RT: 5.730 min Scan# 642  
Delta R.T. 0.012 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

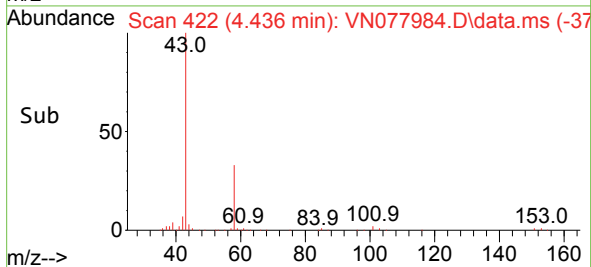
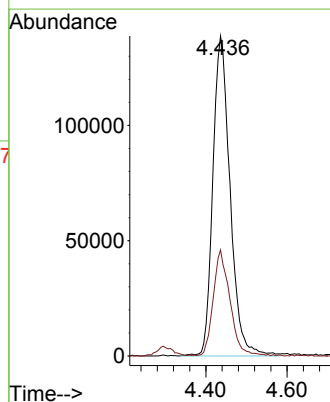
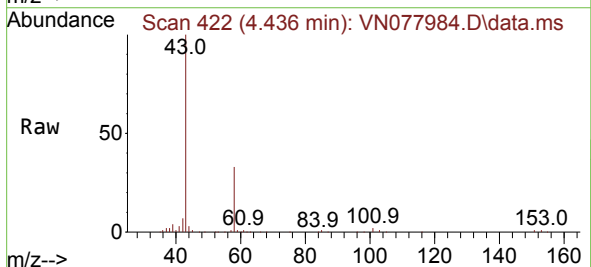
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

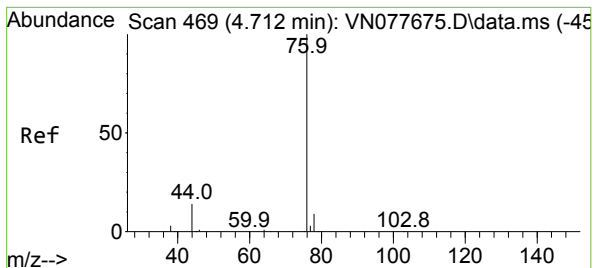
Tgt Ion: 53 Resp: 498605  
Ion Ratio Lower Upper  
53 100  
52 83.2 65.3 97.9  
51 36.9 28.9 43.3



#16  
Acetone  
Concen: 238.653 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 43 Resp: 409167  
Ion Ratio Lower Upper  
43 100  
58 32.8 28.0 42.0





#17

Carbon Disulfide

Concen: 44.254 ug/l

RT: 4.718 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

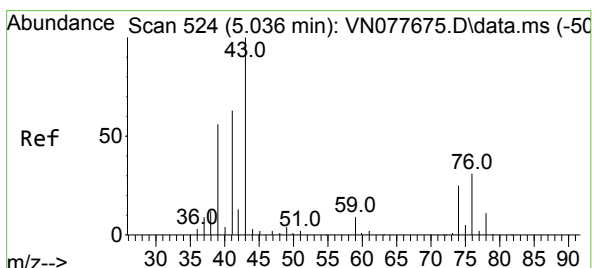
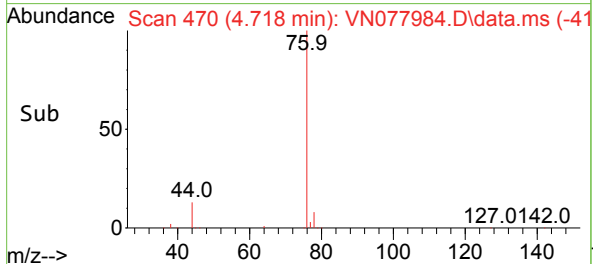
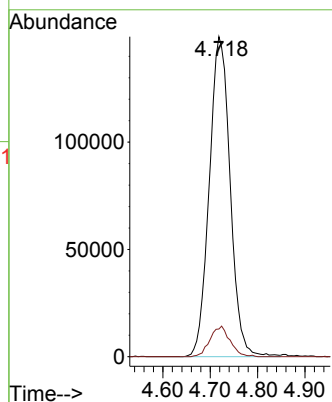
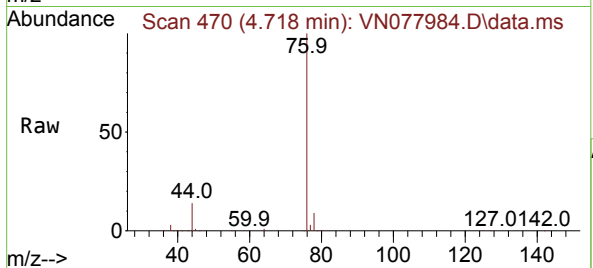
VSTDCCC050

Tgt Ion: 76 Resp: 456769

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0



#18

Methyl Acetate

Concen: 50.368 ug/l

RT: 5.030 min Scan# 523

Delta R.T. -0.006 min

Lab File: VN077984.D

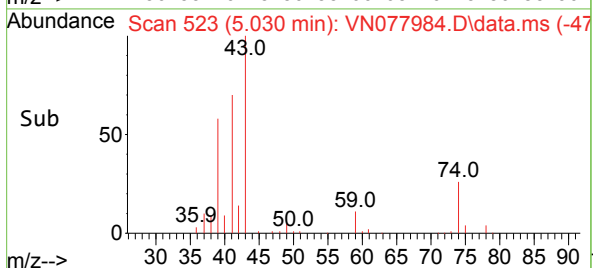
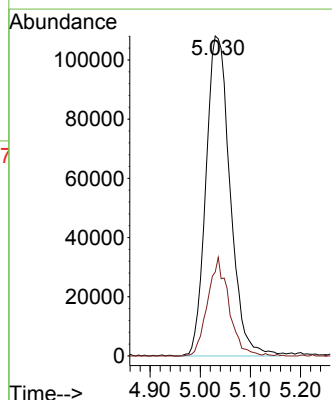
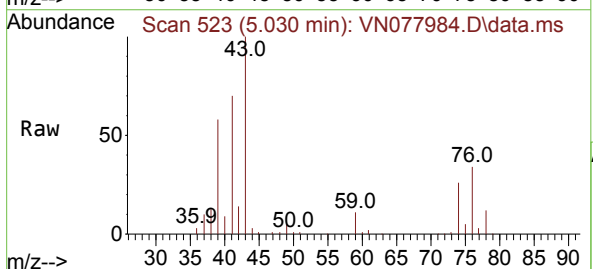
Acq: 31 May 2023 10:20

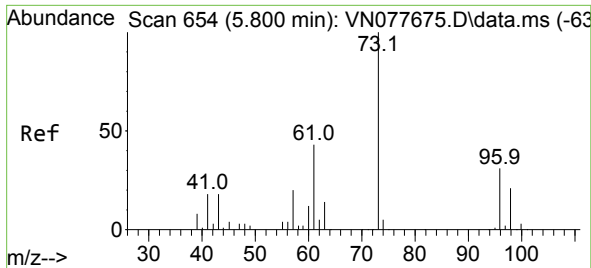
Tgt Ion: 43 Resp: 362277

Ion Ratio Lower Upper

43 100

74 27.1 26.2 39.4

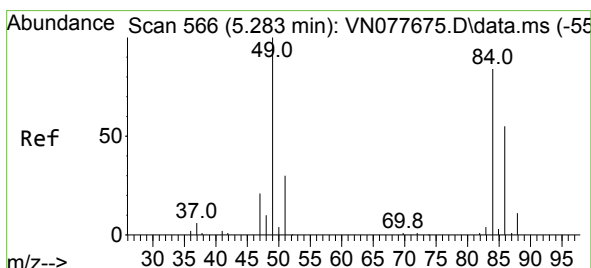
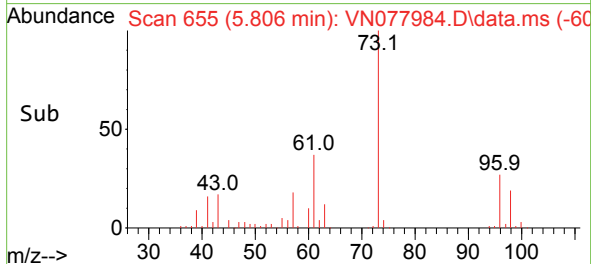
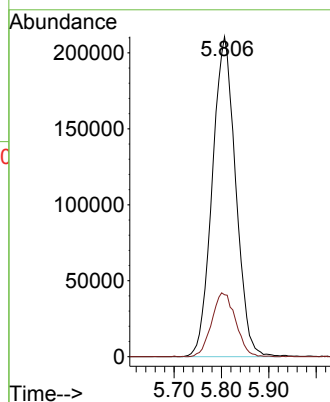
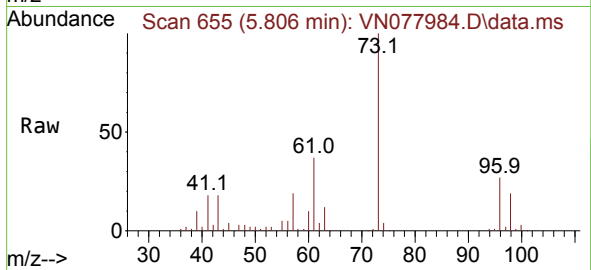




#19  
Methyl tert-butyl Ether  
Concen: 52.060 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

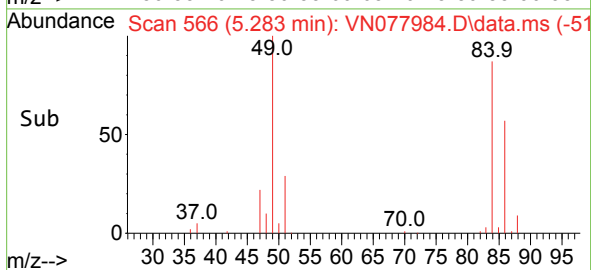
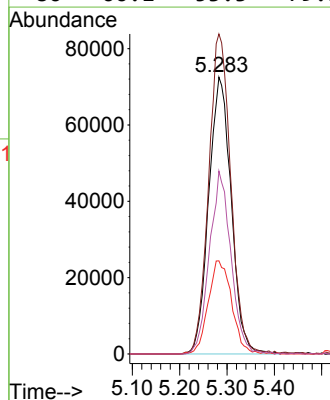
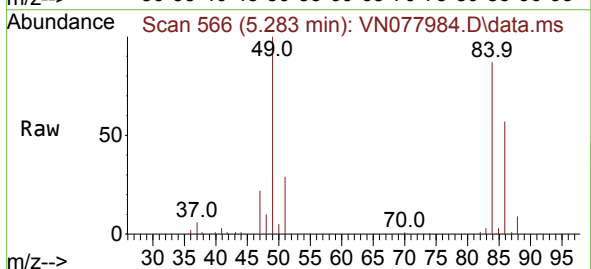
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

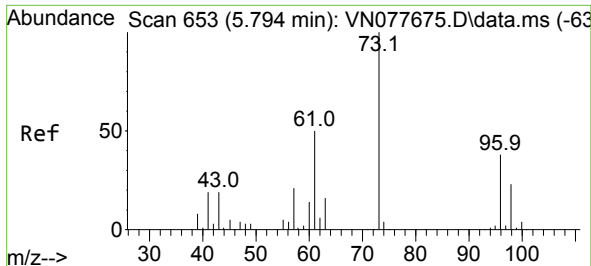
Tgt Ion: 73 Resp: 721837  
Ion Ratio Lower Upper  
73 100  
57 19.3 15.6 23.4



#20  
Methylene Chloride  
Concen: 53.754 ug/l  
RT: 5.283 min Scan# 566  
Delta R.T. -0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 84 Resp: 239214  
Ion Ratio Lower Upper  
84 100  
49 115.6 79.7 119.5  
51 33.6 25.2 37.8  
86 66.1 53.3 79.9

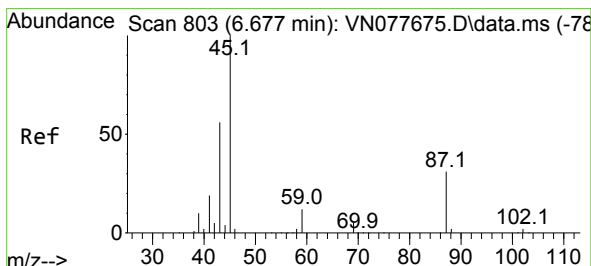
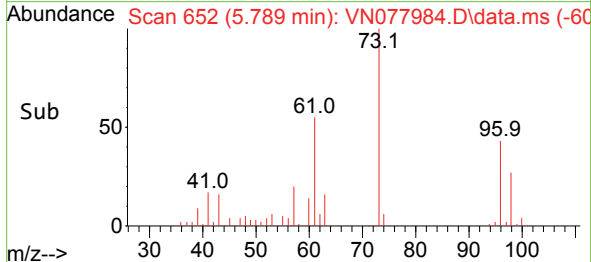
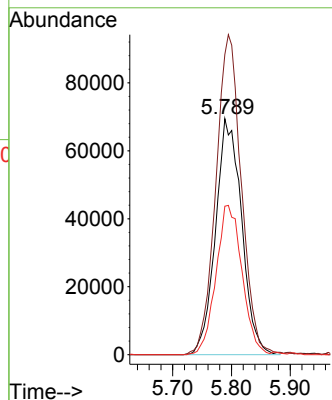
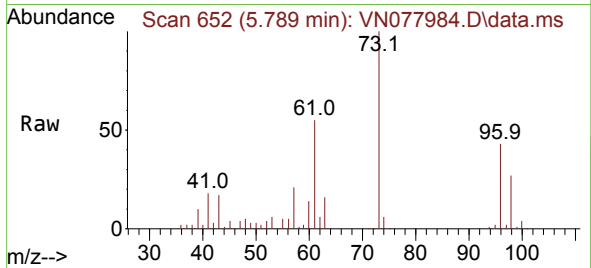




#21  
trans-1,2-Dichloroethene  
Concen: 49.714 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

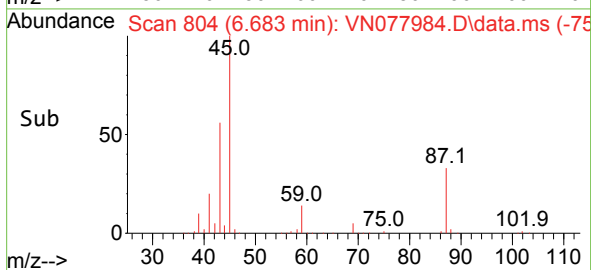
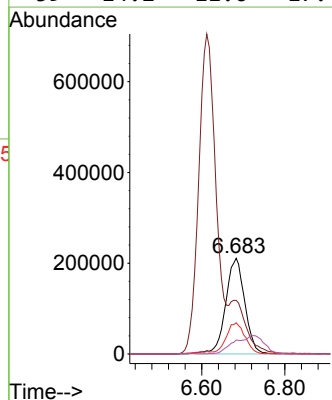
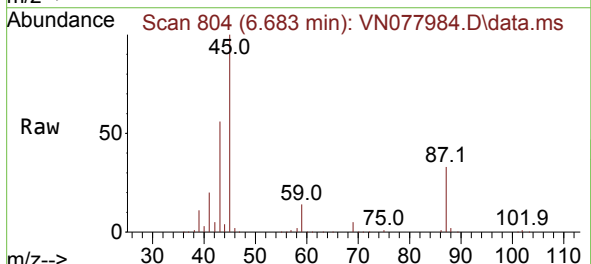
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

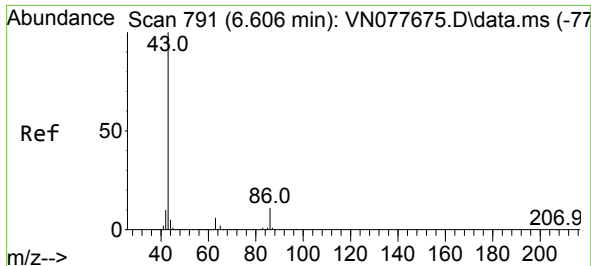
Tgt Ion: 96 Resp: 213920  
Ion Ratio Lower Upper  
96 100  
61 127.2 90.1 135.1  
98 62.9 46.4 69.6



#22  
Diisopropyl ether  
Concen: 51.016 ug/l  
RT: 6.683 min Scan# 804  
Delta R.T. 0.006 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 45 Resp: 672916  
Ion Ratio Lower Upper  
45 100  
43 55.5 45.5 68.3  
87 32.4 31.8 47.8  
59 14.2 11.6 17.4

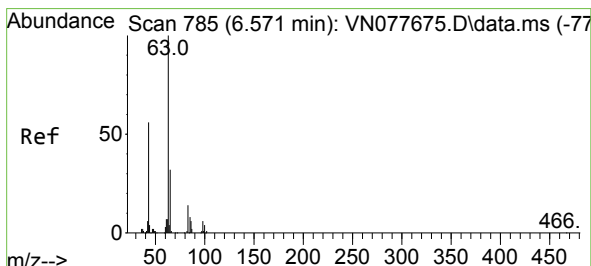
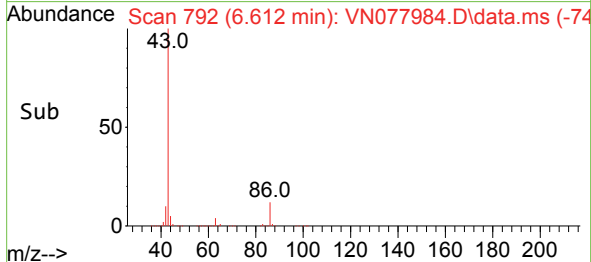
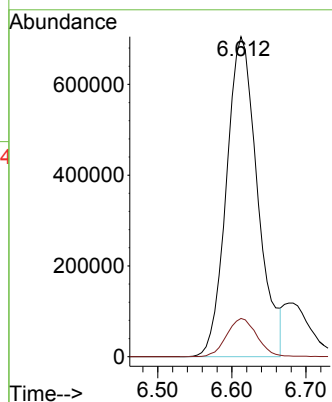
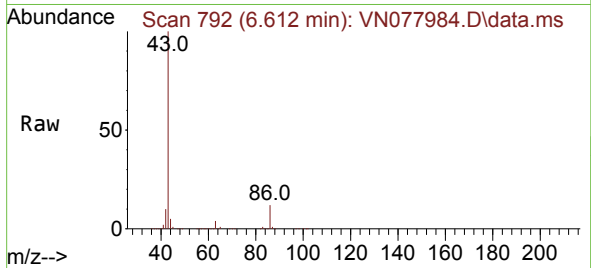




#23  
 Vinyl Acetate  
 Concen: 251.577 ug/l  
 RT: 6.612 min Scan# 792  
 Delta R.T. 0.006 min  
 Lab File: VN077984.D  
 Acq: 31 May 2023 10:20

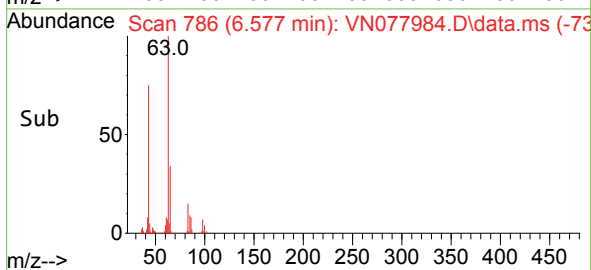
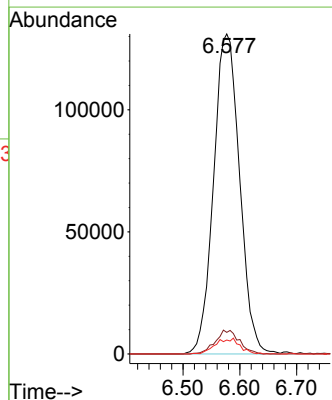
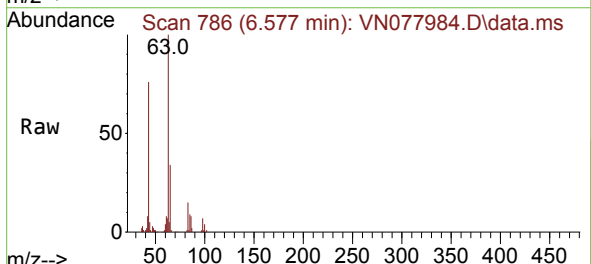
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

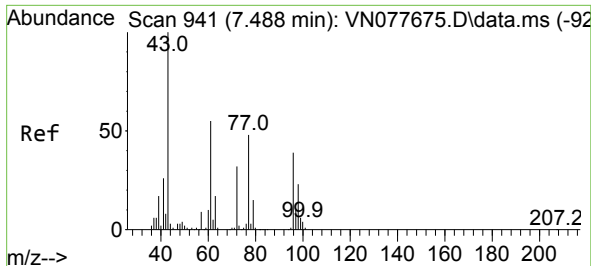
Tgt Ion: 43 Resp: 2055999  
 Ion Ratio Lower Upper  
 43 100  
 86 11.9 13.0 19.6#



#24  
 1,1-Dichloroethane  
 Concen: 51.590 ug/l  
 RT: 6.577 min Scan# 786  
 Delta R.T. 0.006 min  
 Lab File: VN077984.D  
 Acq: 31 May 2023 10:20

Tgt Ion: 63 Resp: 416898  
 Ion Ratio Lower Upper  
 63 100  
 98 6.7 3.9 11.7  
 100 4.3 2.5 7.4

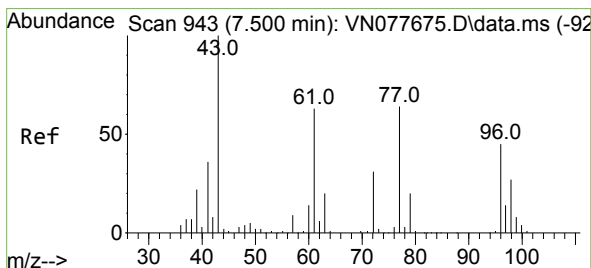
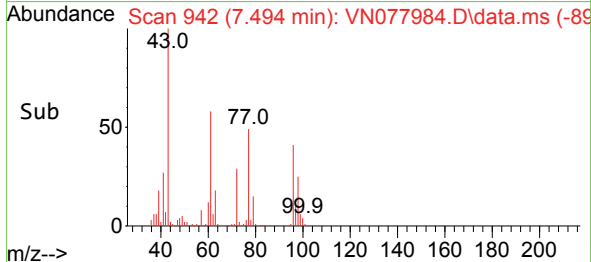
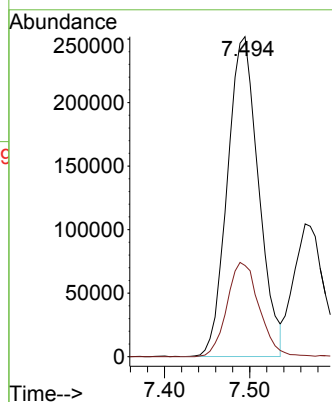
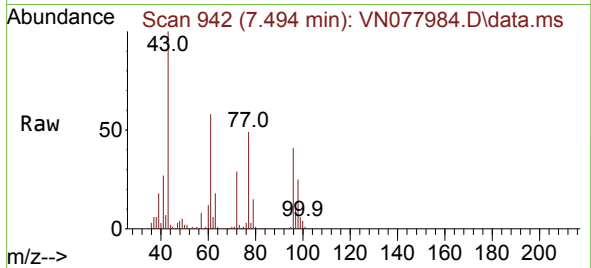




#25  
2-Butanone  
Concen: 238.845 ug/l  
RT: 7.494 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

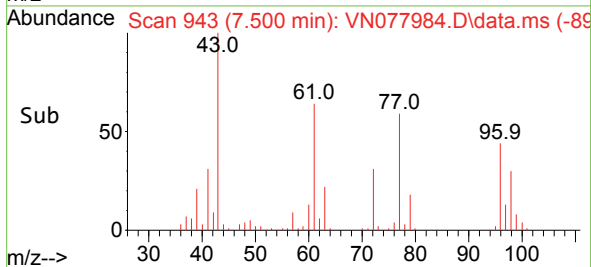
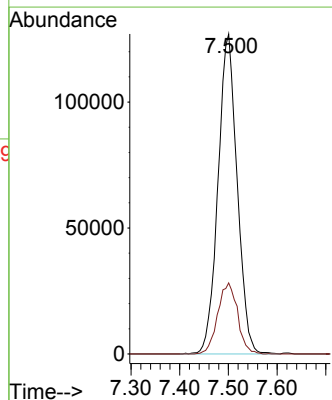
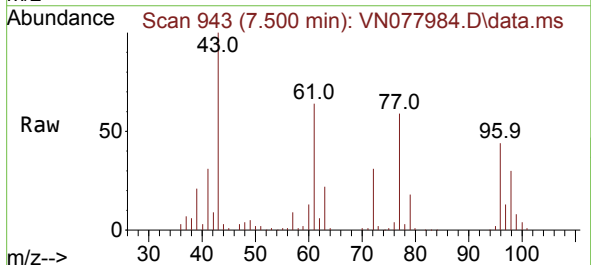
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

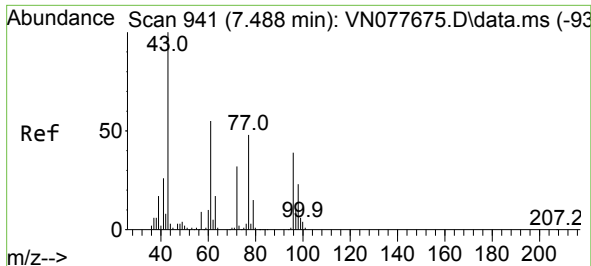
Tgt Ion: 43 Resp: 640576  
Ion Ratio Lower Upper  
43 100  
72 28.5 30.2 45.2#



#26  
2,2-Dichloropropane  
Concen: 50.516 ug/l  
RT: 7.500 min Scan# 943  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 77 Resp: 346815  
Ion Ratio Lower Upper  
77 100  
97 23.0 11.2 33.6

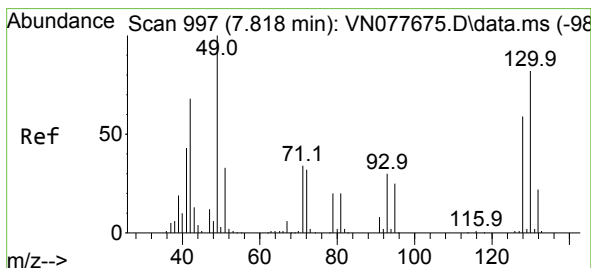
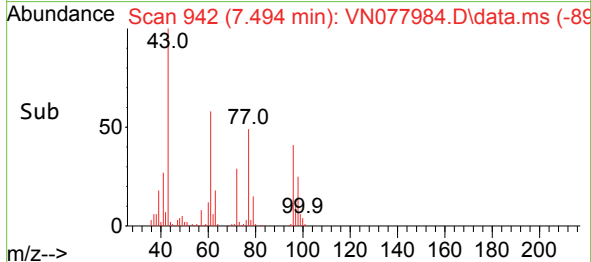
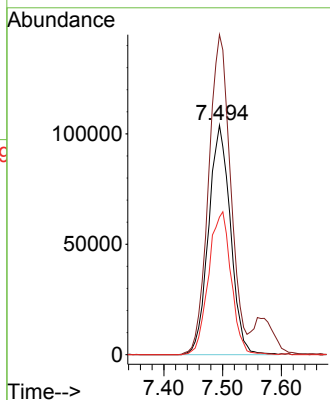
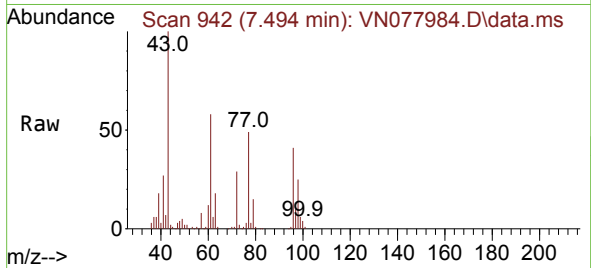




#27  
 cis-1,2-Dichloroethene  
 Concen: 52.193 ug/l  
 RT: 7.494 min Scan# 941  
 Delta R.T. 0.006 min  
 Lab File: VN077984.D  
 Acq: 31 May 2023 10:20

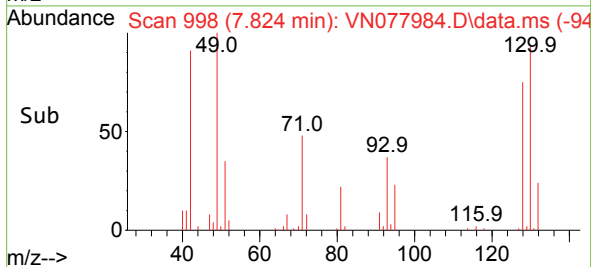
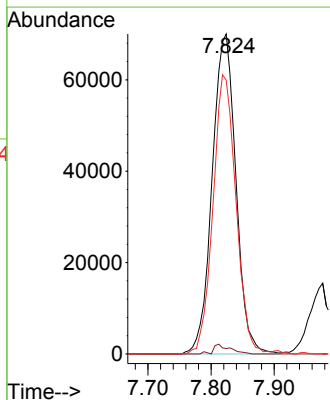
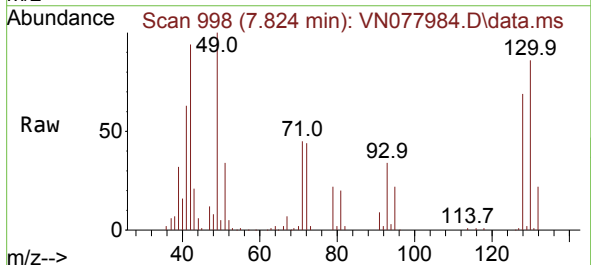
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

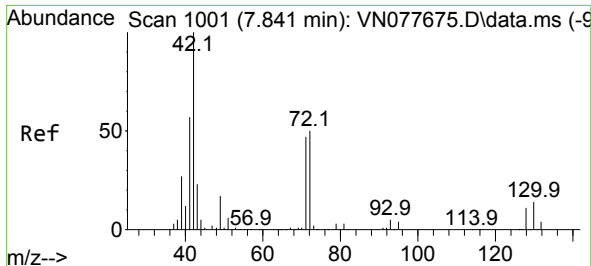
Tgt Ion: 96 Resp: 269287  
 Ion Ratio Lower Upper  
 96 100  
 61 139.9 0.0 255.2  
 98 64.2 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 52.241 ug/l  
 RT: 7.824 min Scan# 998  
 Delta R.T. 0.006 min  
 Lab File: VN077984.D  
 Acq: 31 May 2023 10:20

Tgt Ion: 49 Resp: 182573  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 4.8  
 130 84.5 75.3 112.9





#29

Tetrahydrofuran

Concen: 240.980 ug/l

RT: 7.847 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

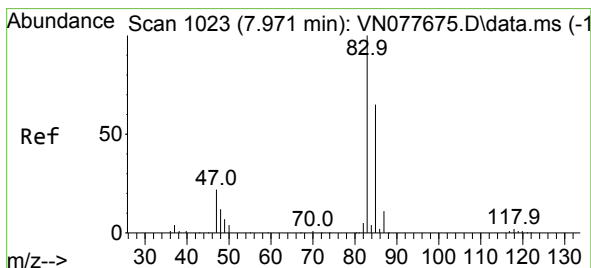
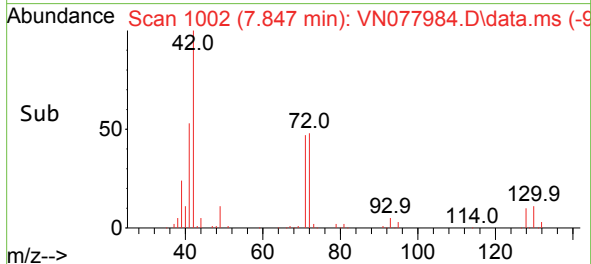
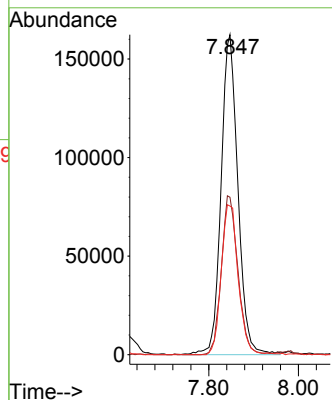
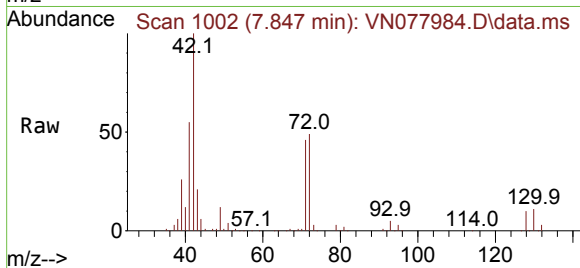
Tgt Ion: 42 Resp: 423194

Ion Ratio Lower Upper

42 100

72 49.1 49.8 74.6#

71 47.1 47.4 71.2#



#30

Chloroform

Concen: 51.181 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN077984.D

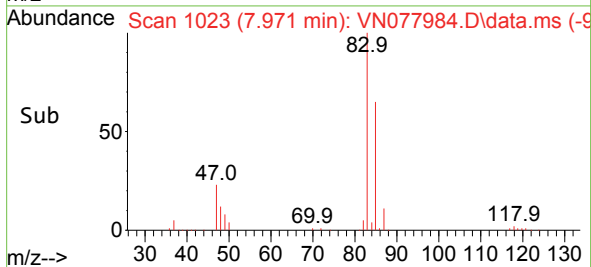
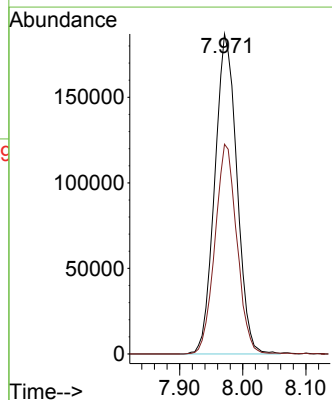
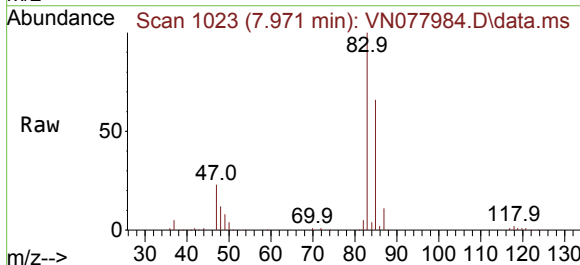
Acq: 31 May 2023 10:20

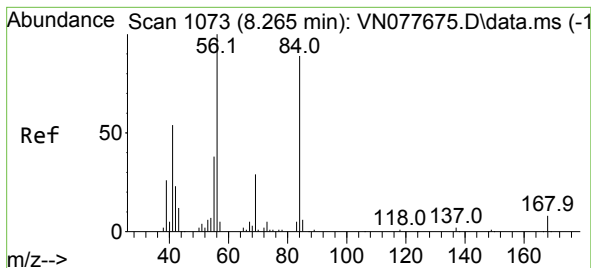
Tgt Ion: 83 Resp: 454965

Ion Ratio Lower Upper

83 100

85 65.6 55.4 83.0





#31

Cyclohexane

Concen: 44.810 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

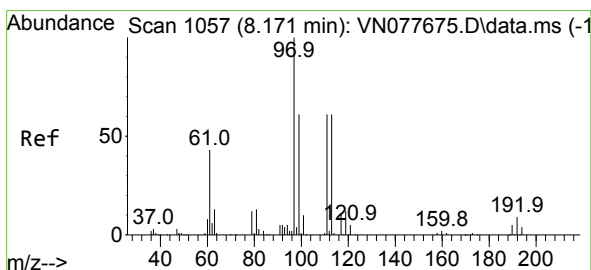
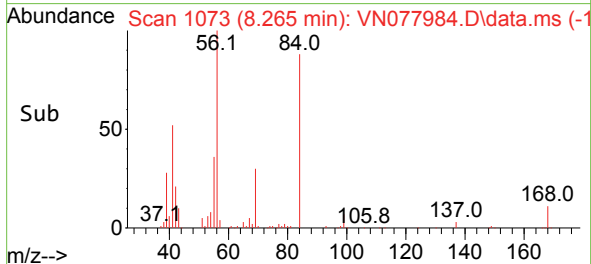
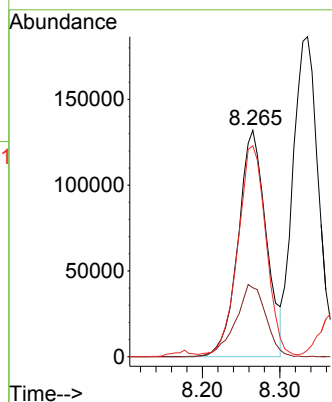
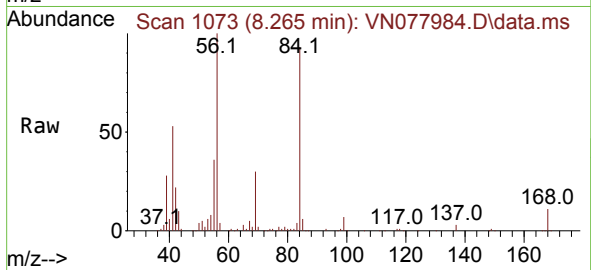
Tgt Ion: 56 Resp: 331887

Ion Ratio Lower Upper

56 100

69 30.5 26.8 40.2

84 91.4 81.8 122.6



#32

1,1,1-Trichloroethane

Concen: 52.338 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

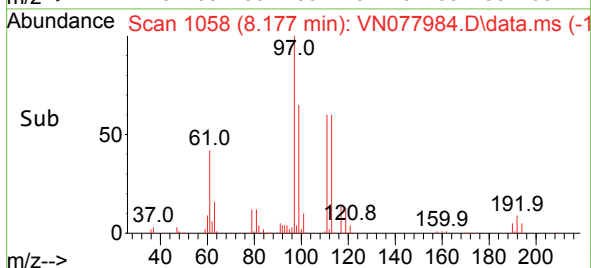
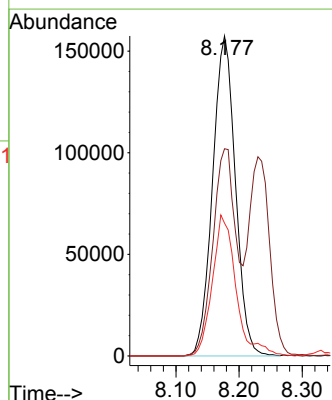
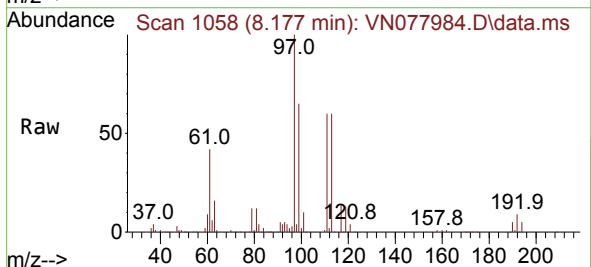
Tgt Ion: 97 Resp: 395555

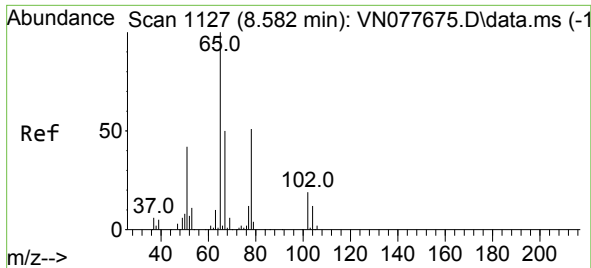
Ion Ratio Lower Upper

97 100

99 66.8 50.3 75.5

61 45.6 34.7 52.1

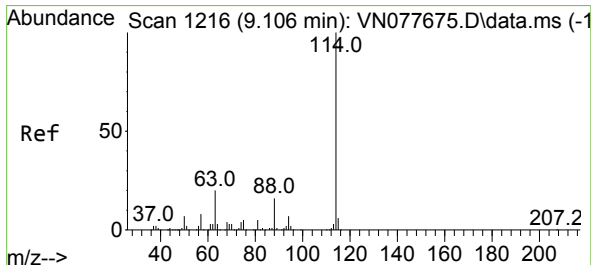
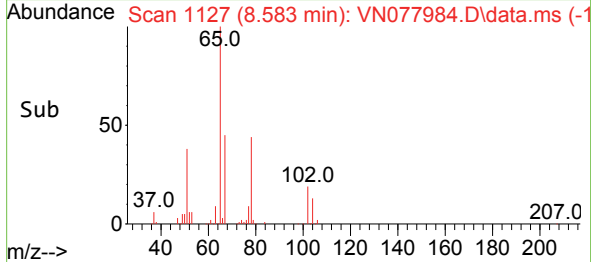
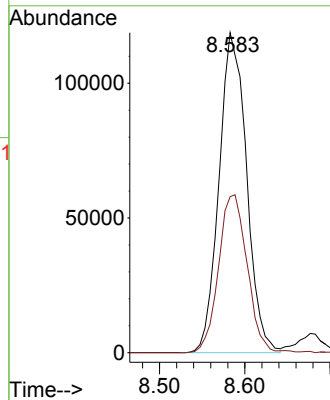
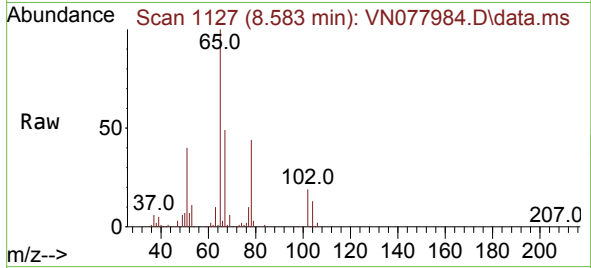




#33  
1,2-Dichloroethane-d4  
Concen: 48.906 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.001 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

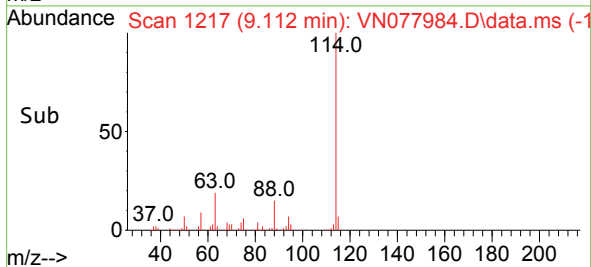
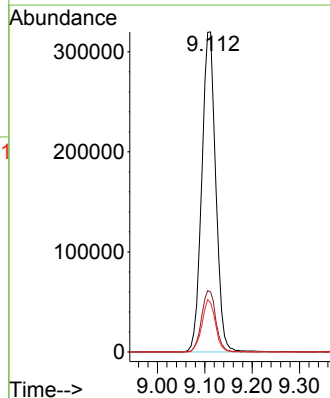
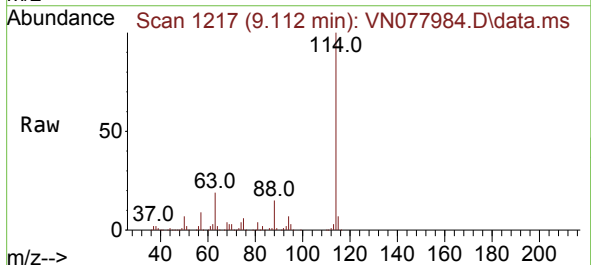
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

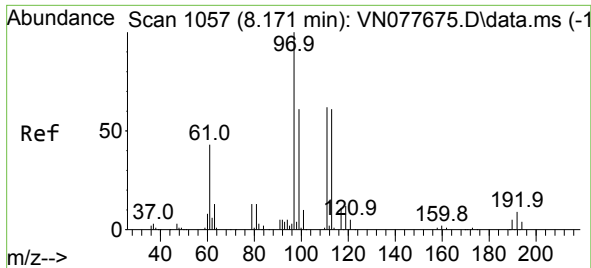
Tgt Ion: 65 Resp: 266514  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 106.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.112 min Scan# 1217  
Delta R.T. 0.006 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 114 Resp: 655121  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 36.4  
88 15.3 0.0 30.6

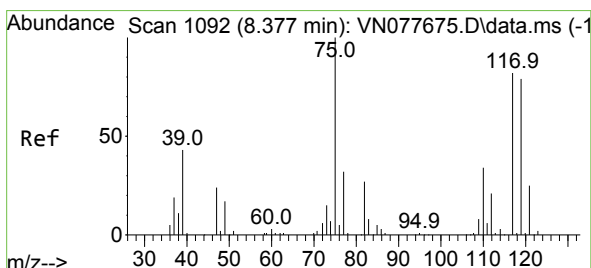
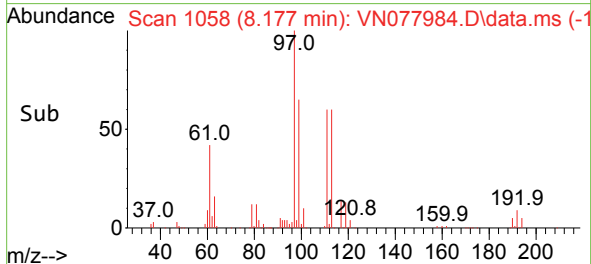
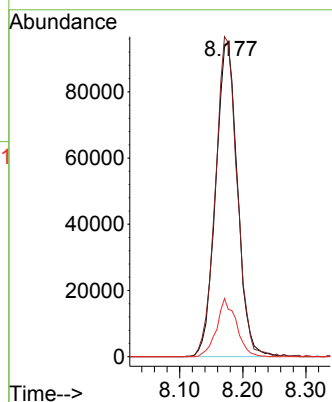
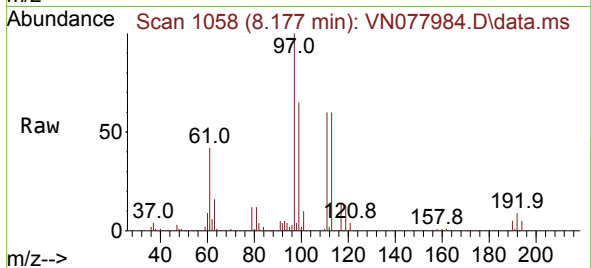




#35  
 Dibromofluoromethane  
 Concen: 53.245 ug/l  
 RT: 8.177 min Scan# 1057  
 Delta R.T. 0.006 min  
 Lab File: VN077984.D  
 Acq: 31 May 2023 10:20

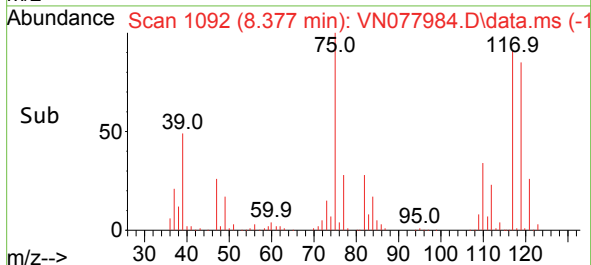
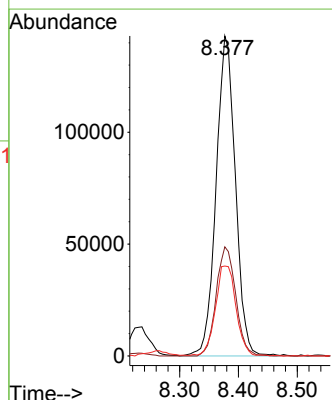
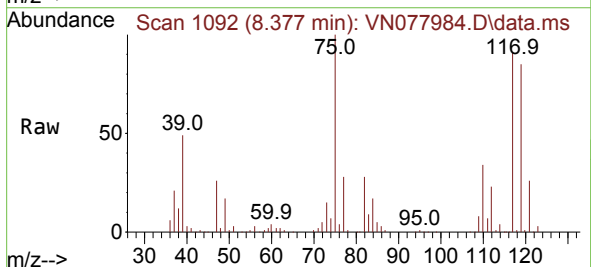
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

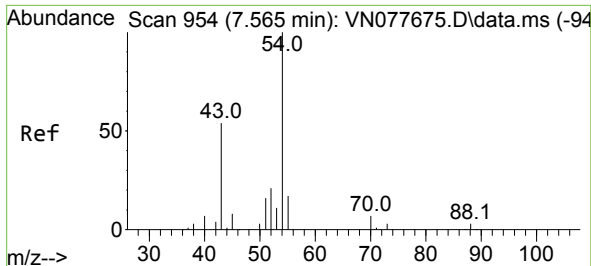
Tgt Ion:113 Resp: 227461  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 82.6 123.8  
 192 16.8 12.7 19.1



#36  
 1,1-Dichloropropene  
 Concen: 52.212 ug/l  
 RT: 8.377 min Scan# 1092  
 Delta R.T. -0.000 min  
 Lab File: VN077984.D  
 Acq: 31 May 2023 10:20

Tgt Ion: 75 Resp: 326243  
 Ion Ratio Lower Upper  
 75 100  
 110 34.6 19.1 57.3  
 77 30.2 25.0 37.4

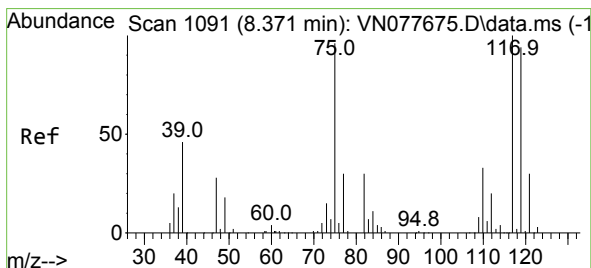
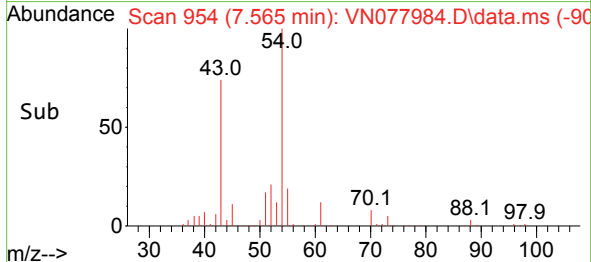
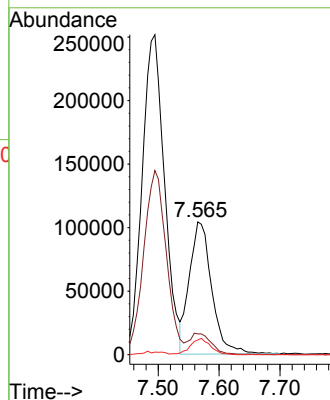
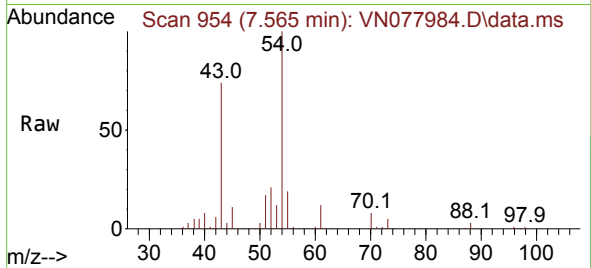




#37  
Ethyl Acetate  
Concen: 47.841 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

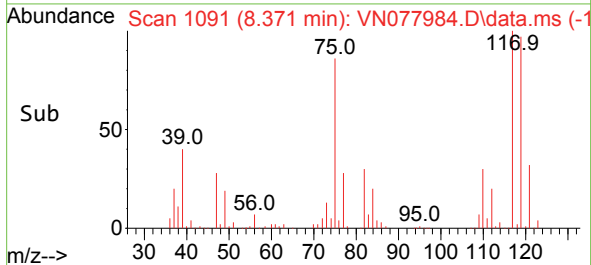
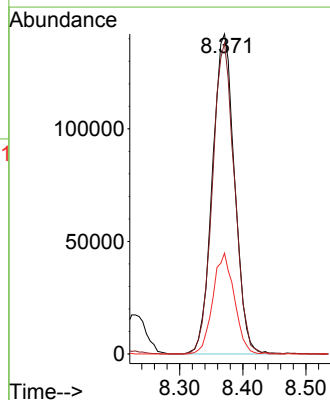
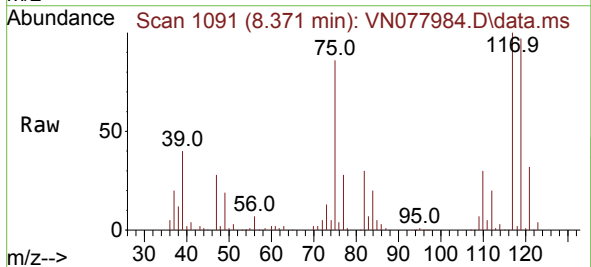
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

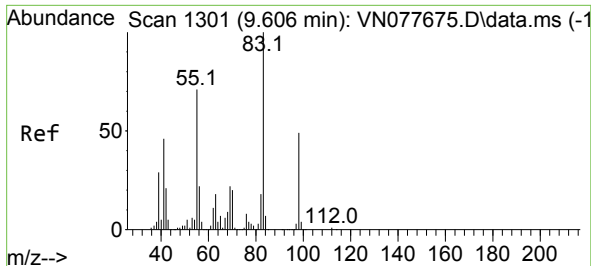
Tgt Ion: 43 Resp: 266439  
Ion Ratio Lower Upper  
43 100  
61 15.6 13.2 19.8  
70 11.0 11.3 16.9#



#38  
Carbon Tetrachloride  
Concen: 55.043 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 117 Resp: 347297  
Ion Ratio Lower Upper  
117 100  
119 97.2 77.3 115.9  
121 31.5 23.3 34.9

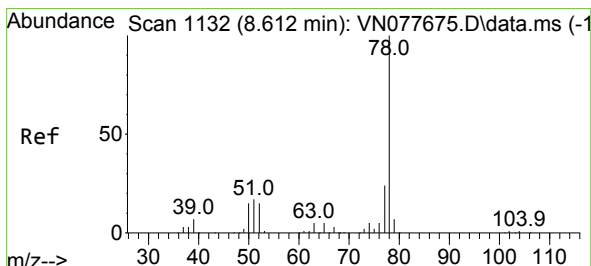
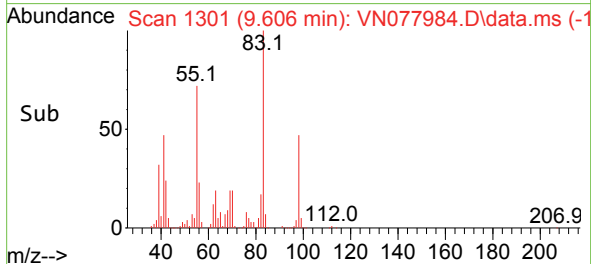
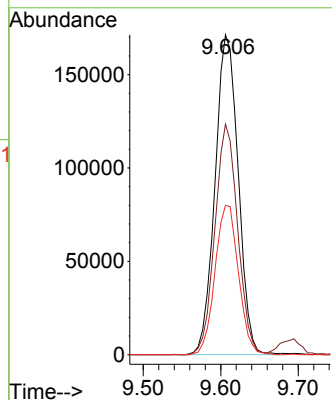
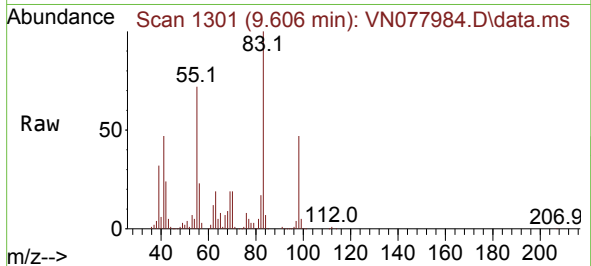




#39  
Methylcyclohexane  
Concen: 46.609 ug/l  
RT: 9.606 min Scan# 11301  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

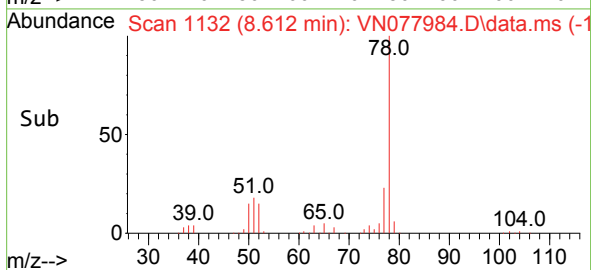
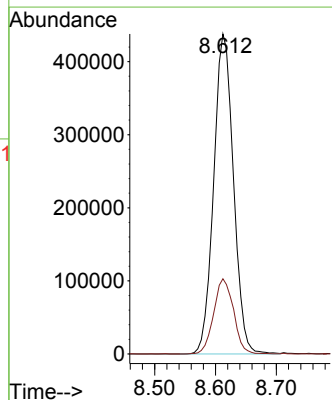
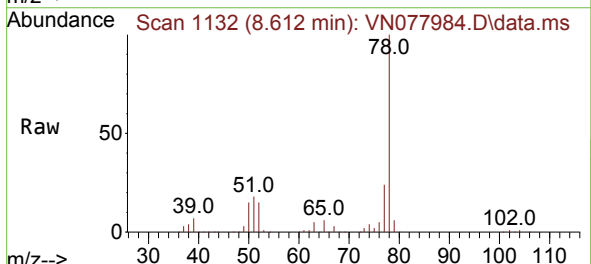
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

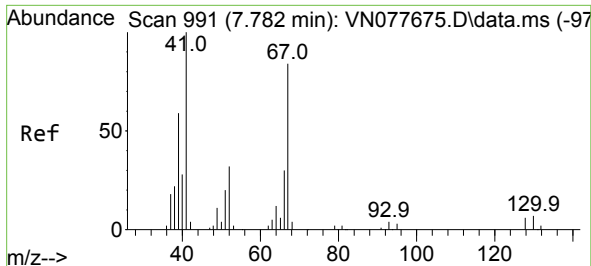
Tgt Ion: 83 Resp: 356541  
Ion Ratio Lower Upper  
83 100  
55 72.1 49.1 73.7  
98 46.6 40.6 61.0



#40  
Benzene  
Concen: 53.522 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 78 Resp: 986880  
Ion Ratio Lower Upper  
78 100  
77 23.5 19.0 28.6

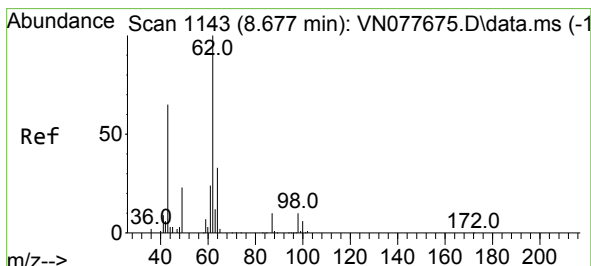
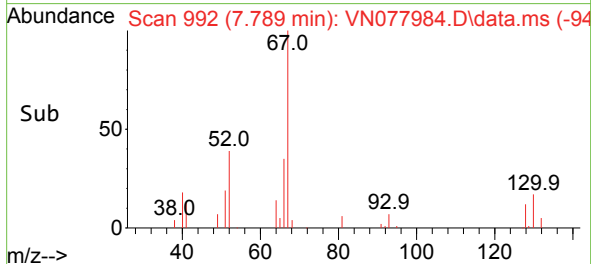
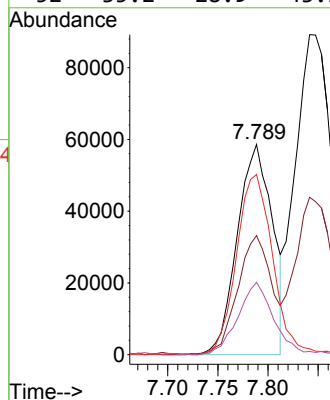
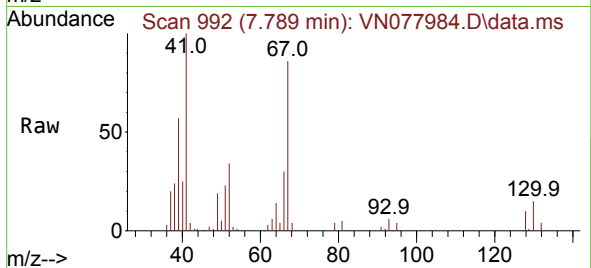




#41  
Methacrylonitrile  
Concen: 48.130 ug/l  
RT: 7.789 min Scan# 991  
Delta R.T. 0.007 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

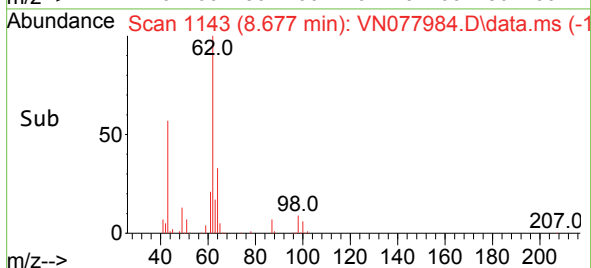
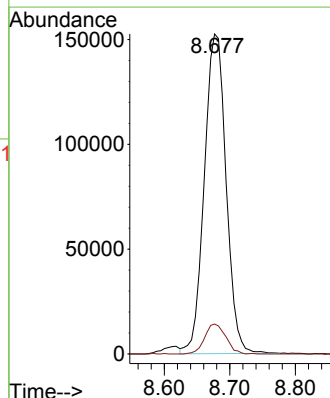
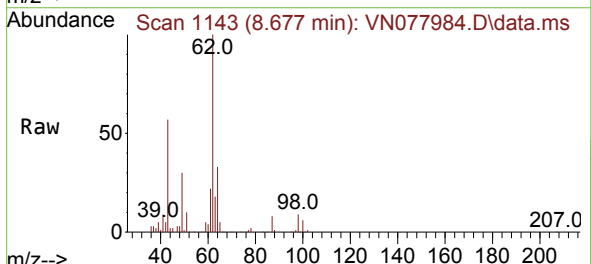
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

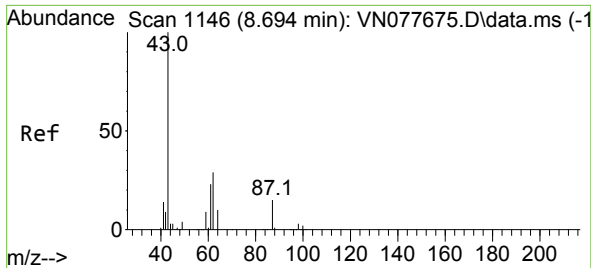
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 142752 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 54.5  | 42.6  | 64.0   |
| 67       | 88.5  | 77.5  | 116.3  |
| 52       | 35.2  | 28.9  | 43.3   |



#42  
1,2-Dichloroethane  
Concen: 52.584 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 352213 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.1   | 0.0   | 19.8   |

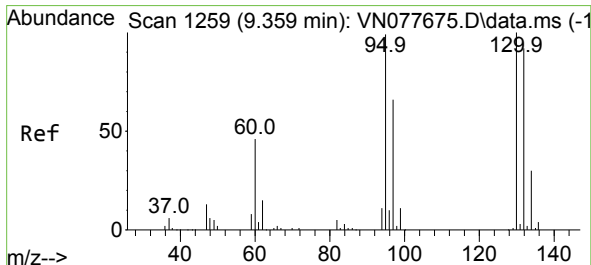
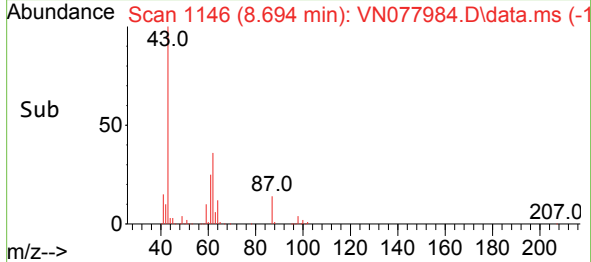
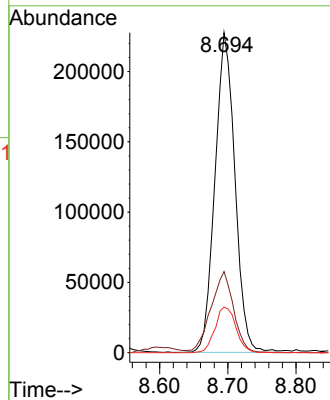
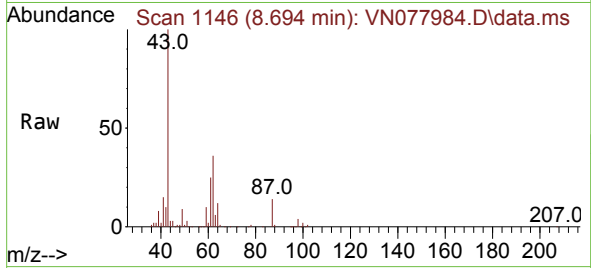




#43  
Isopropyl Acetate  
Concen: 50.980 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

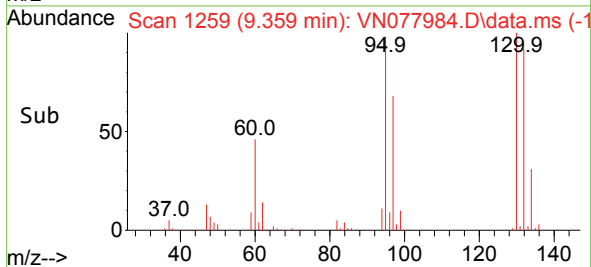
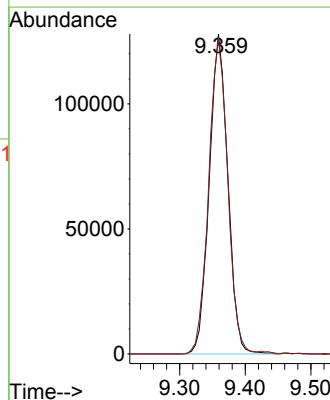
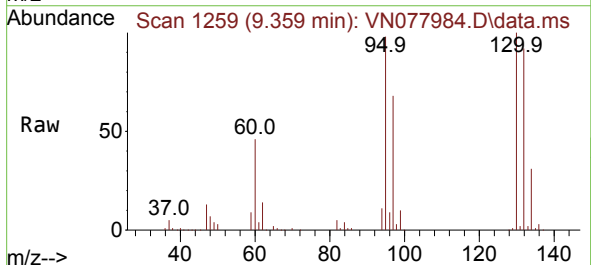
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

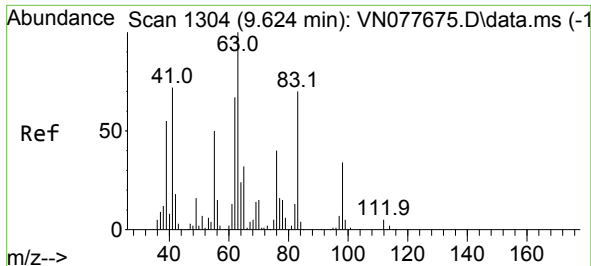
Tgt Ion: 43 Resp: 463757  
Ion Ratio Lower Upper  
43 100  
61 28.7 24.7 37.1  
87 14.9 14.6 21.8



#44  
Trichloroethene  
Concen: 53.915 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion:130 Resp: 251725  
Ion Ratio Lower Upper  
130 100  
95 98.4 0.0 204.6





#45

1,2-Dichloropropane

Concen: 54.085 ug/l

RT: 9.630 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

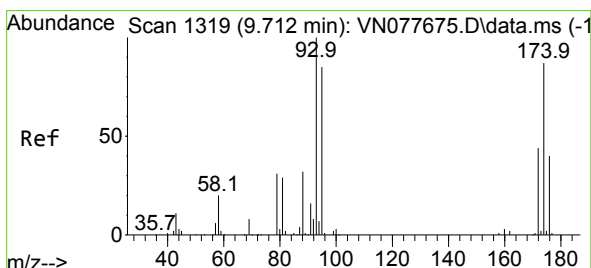
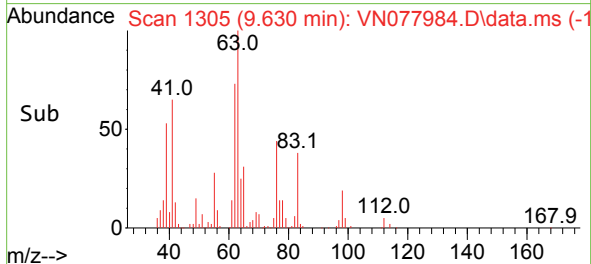
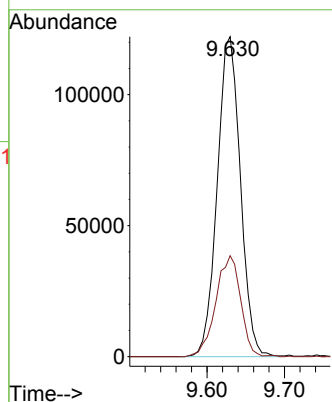
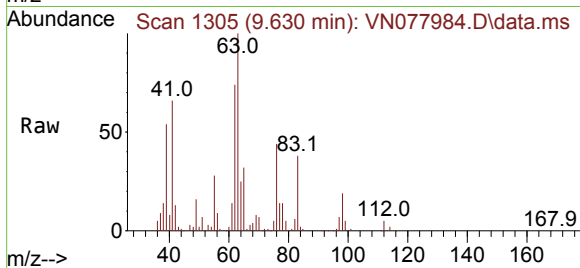
VSTDCCC050

Tgt Ion: 63 Resp: 254376

Ion Ratio Lower Upper

63 100

65 31.6 23.9 35.9



#46

Dibromomethane

Concen: 53.501 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

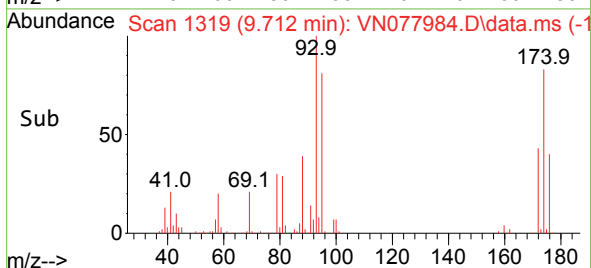
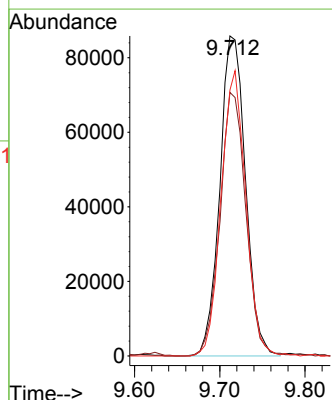
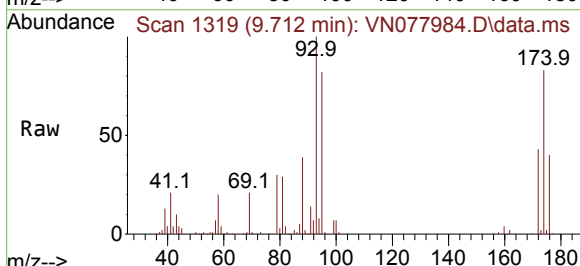
Tgt Ion: 93 Resp: 180056

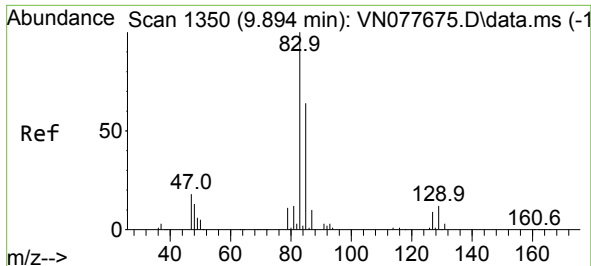
Ion Ratio Lower Upper

93 100

95 82.9 63.8 95.8

174 85.8 65.6 98.4

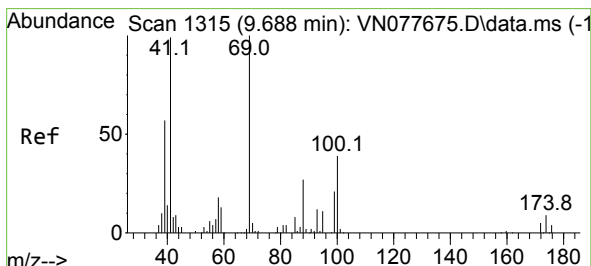
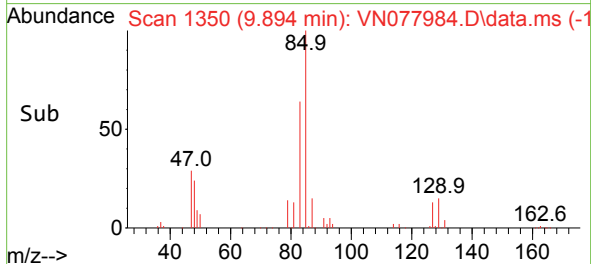
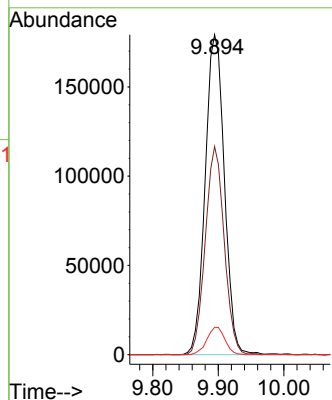
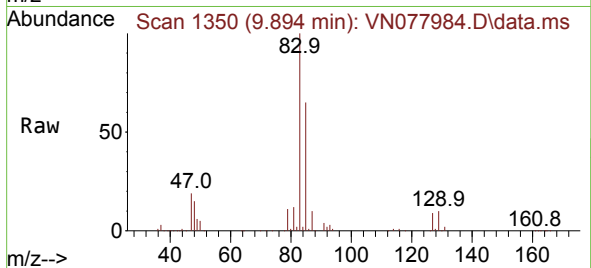




#47  
Bromodichloromethane  
Concen: 56.673 ug/l  
RT: 9.894 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

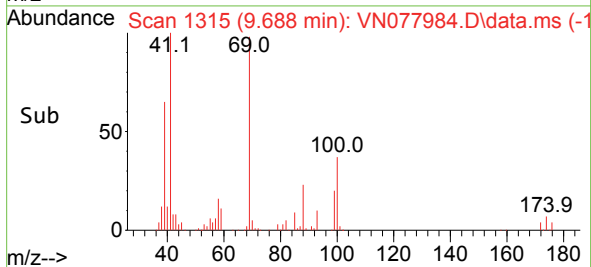
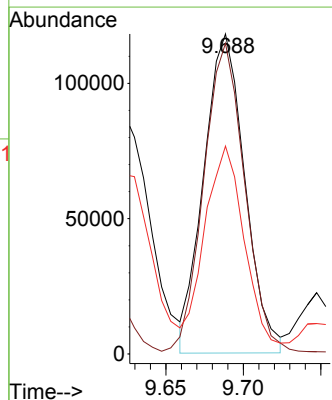
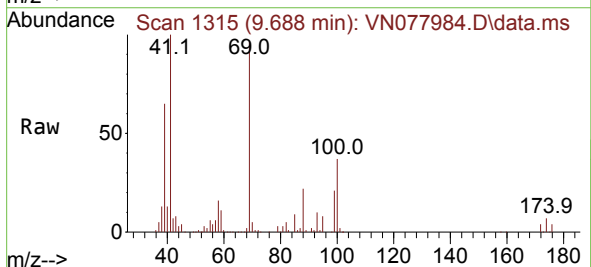
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

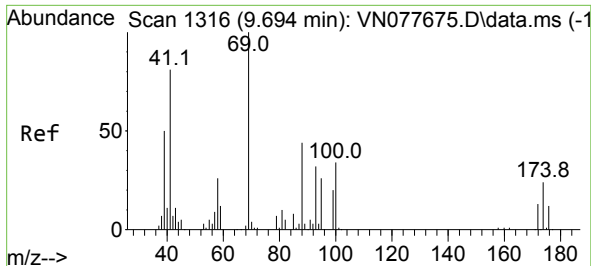
Tgt Ion: 83 Resp: 365157  
Ion Ratio Lower Upper  
83 100  
85 65.1 49.6 74.4  
127 8.6 7.0 10.6



#48  
Methyl methacrylate  
Concen: 50.373 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 41 Resp: 217256  
Ion Ratio Lower Upper  
41 100  
69 97.8 90.4 135.6  
39 64.0 54.6 81.8





#49

1,4-Dioxane

Concen: 1144.884 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

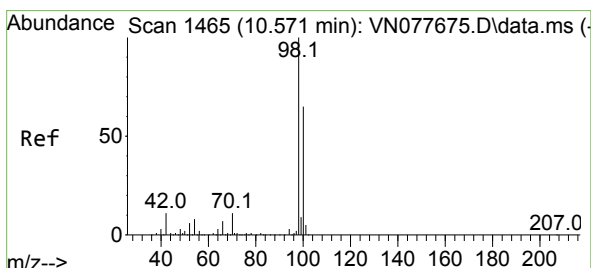
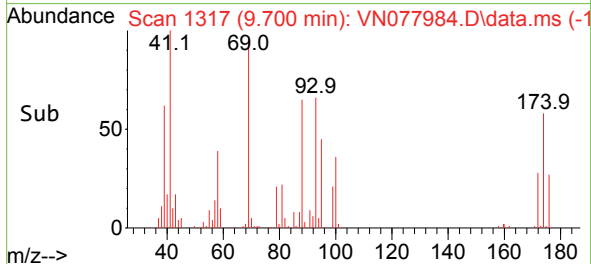
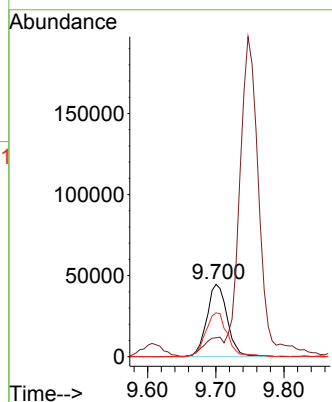
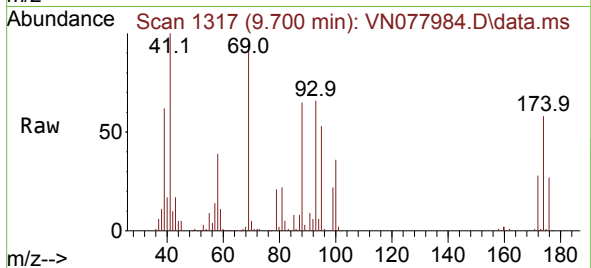
Tgt Ion: 88 Resp: 93263

Ion Ratio Lower Upper

88 100

43 24.9 17.0 25.6

58 64.6 47.0 70.4



#50

Toluene-d8

Concen: 49.508 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN077984.D

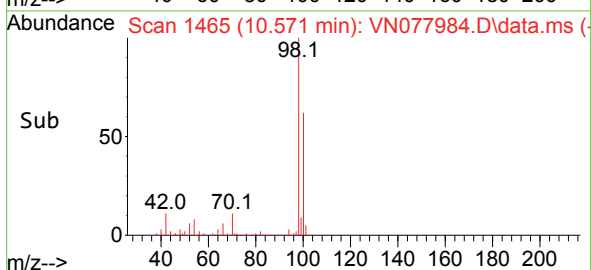
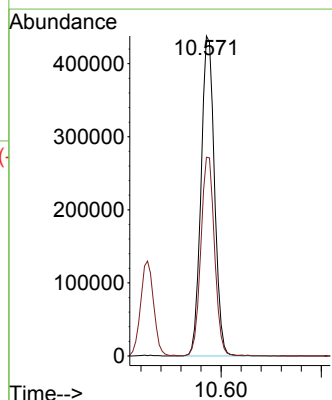
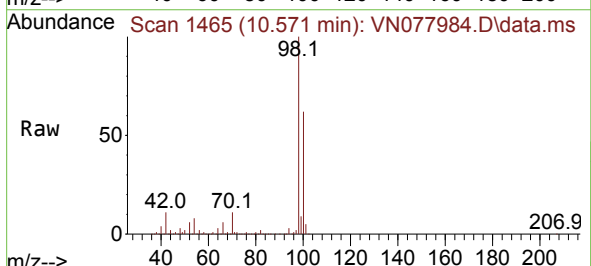
Acq: 31 May 2023 10:20

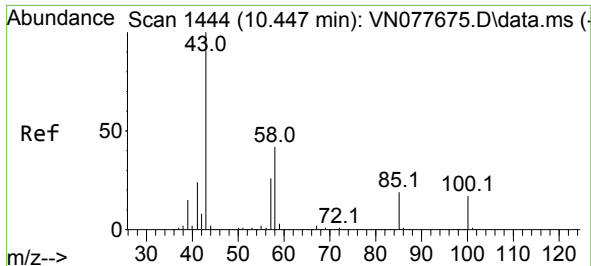
Tgt Ion: 98 Resp: 814072

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 258.578 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

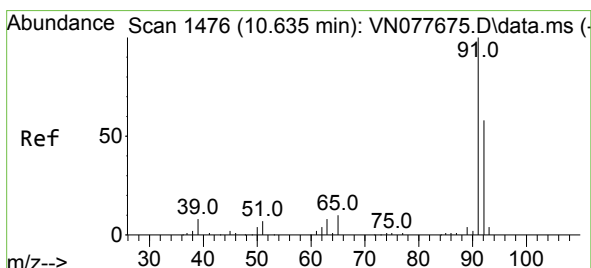
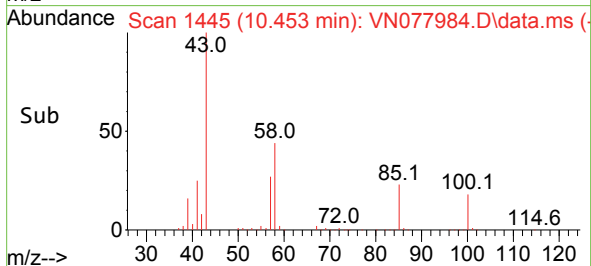
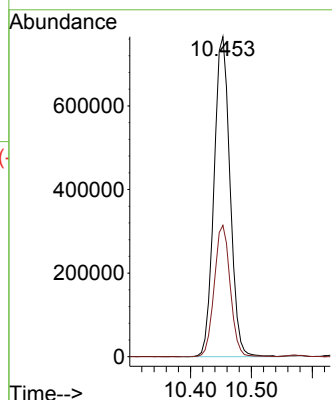
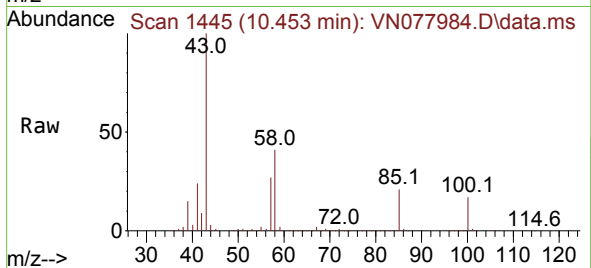
VSTDCCC050

Tgt Ion: 43 Resp: 1398198

Ion Ratio Lower Upper

43 100

58 40.9 36.6 54.8



#52

Toluene

Concen: 54.636 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN077984.D

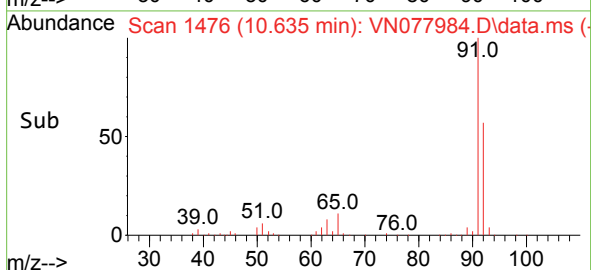
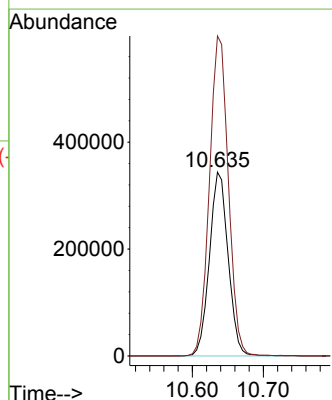
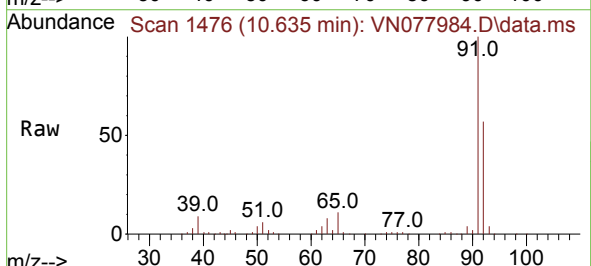
Acq: 31 May 2023 10:20

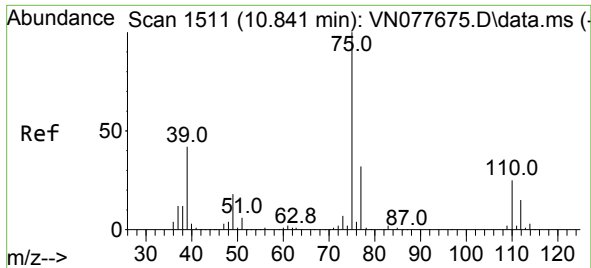
Tgt Ion: 92 Resp: 627176

Ion Ratio Lower Upper

92 100

91 176.5 137.4 206.0

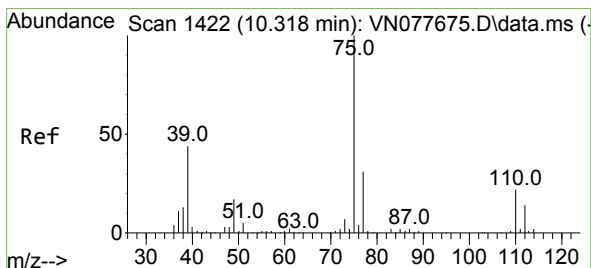
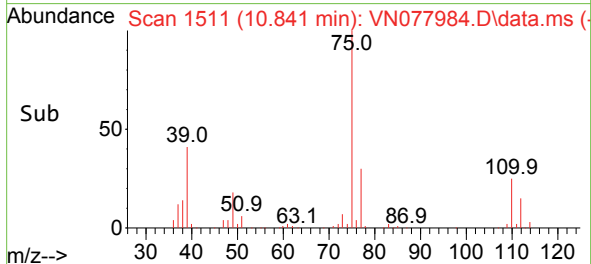
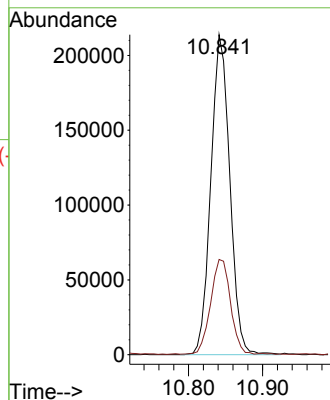
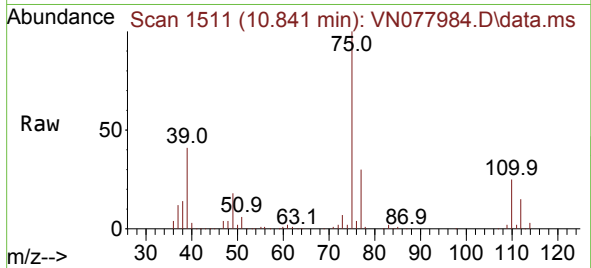




#53  
 t-1,3-Dichloropropene  
 Concen: 55.716 ug/l  
 RT: 10.841 min Scan# 1511  
 Delta R.T. 0.000 min  
 Lab File: VN077984.D  
 Acq: 31 May 2023 10:20

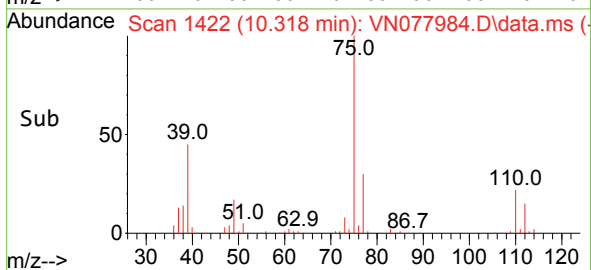
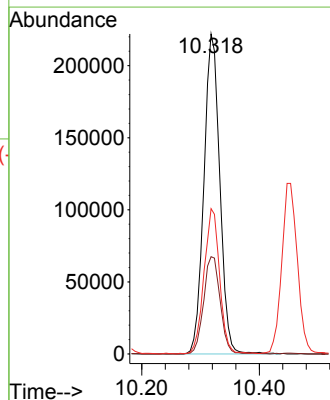
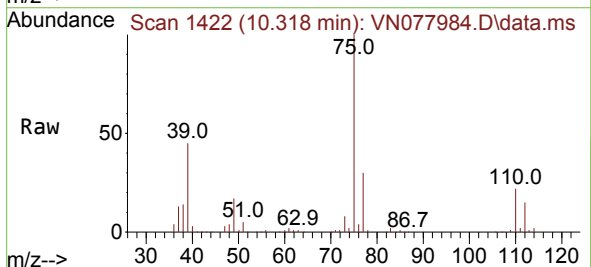
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

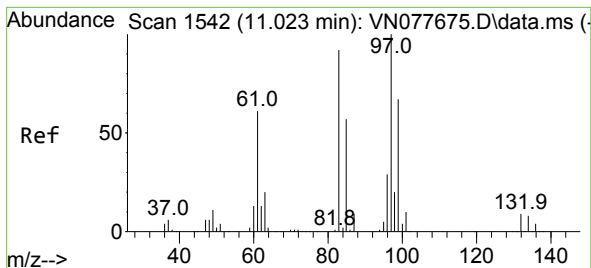
Tgt Ion: 75 Resp: 380161  
 Ion Ratio Lower Upper  
 75 100  
 77 29.6 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 55.374 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. -0.000 min  
 Lab File: VN077984.D  
 Acq: 31 May 2023 10:20

Tgt Ion: 75 Resp: 416367  
 Ion Ratio Lower Upper  
 75 100  
 77 30.4 26.1 39.1  
 39 45.2 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 55.184 ug/l

RT: 11.024 min Scan# 1542

Delta R.T. 0.001 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 251523

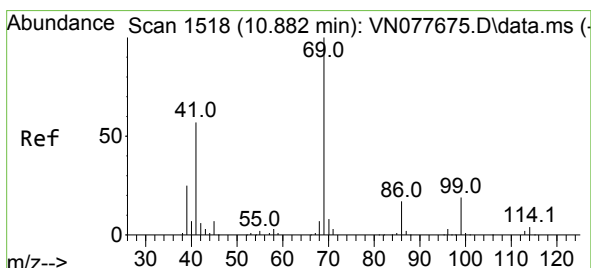
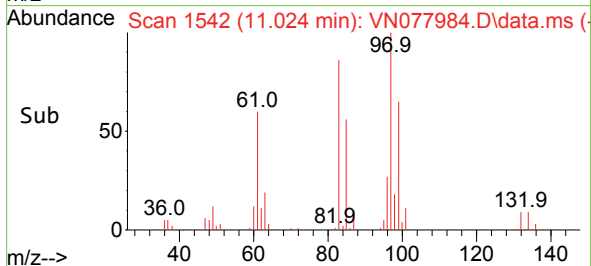
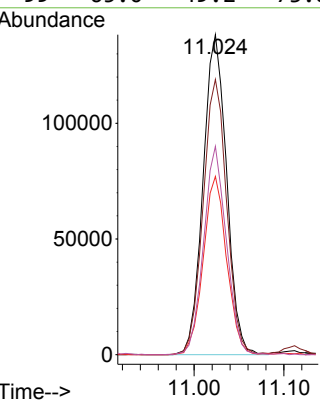
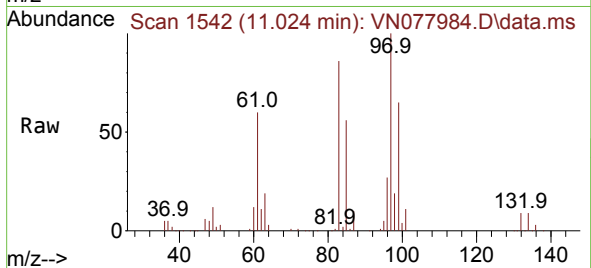
Ion Ratio Lower Upper

97 100

83 86.0 65.1 97.7

85 55.7 43.4 65.2

99 65.0 49.2 73.8



#56

Ethyl methacrylate

Concen: 53.685 ug/l

RT: 10.882 min Scan# 1518

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

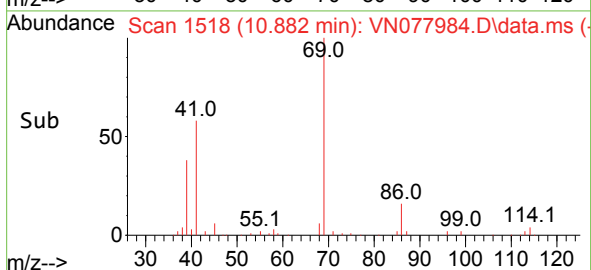
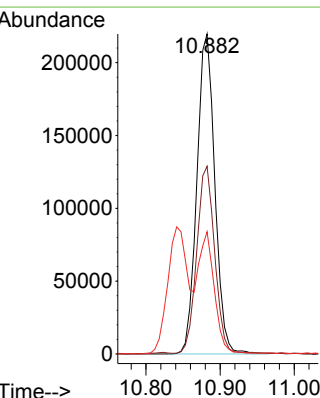
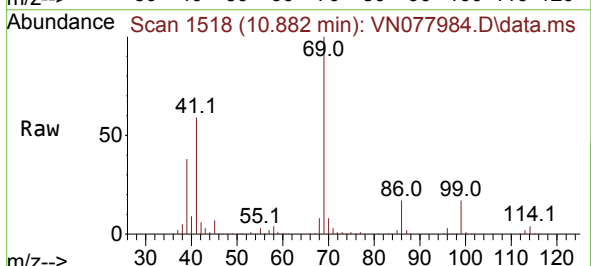
Tgt Ion: 69 Resp: 369969

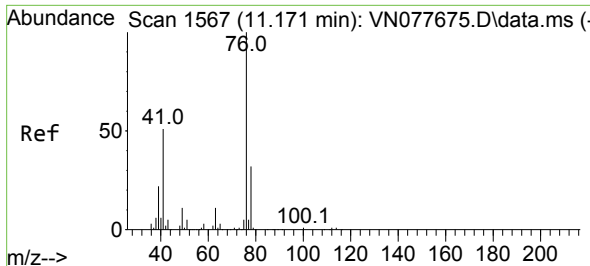
Ion Ratio Lower Upper

69 100

41 58.4 39.6 59.4

39 32.8 28.6 43.0

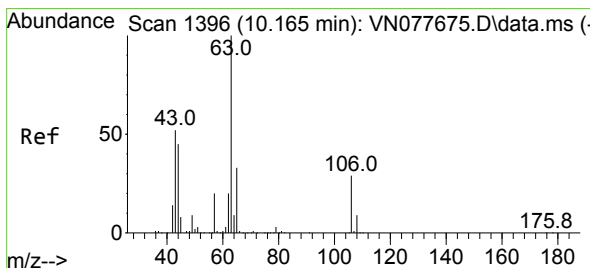
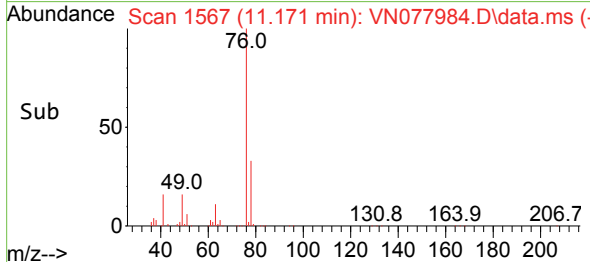
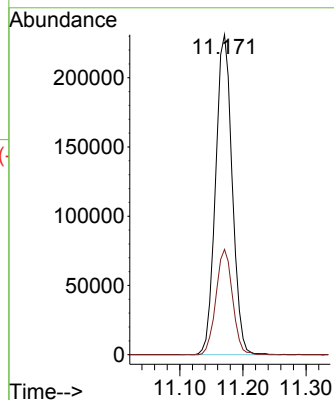
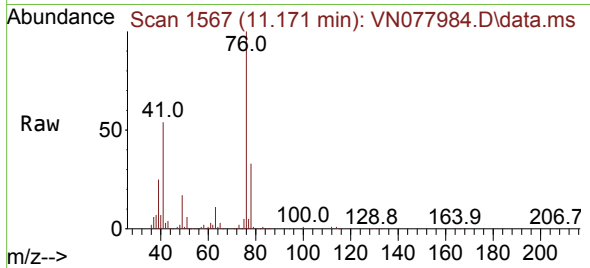




#57  
1,3-Dichloropropane  
Concen: 53.941 ug/l  
RT: 11.171 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

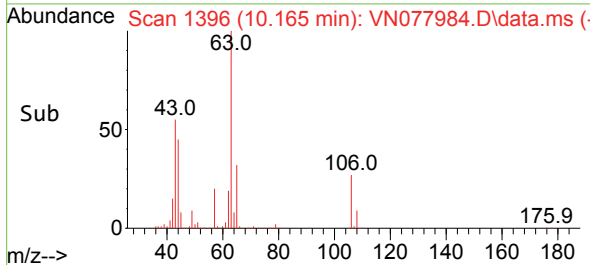
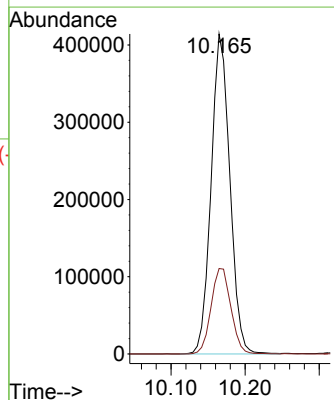
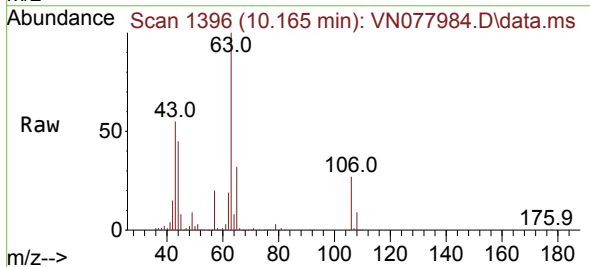
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

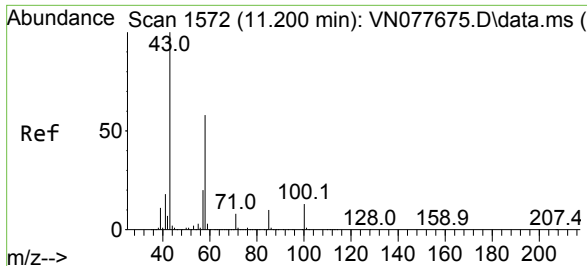
Tgt Ion: 76 Resp: 421482  
Ion Ratio Lower Upper  
76 100  
78 32.9 26.1 39.1



#58  
2-Chloroethyl Vinyl ether  
Concen: 214.496 ug/l  
RT: 10.165 min Scan# 1396  
Delta R.T. -0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 63 Resp: 727221  
Ion Ratio Lower Upper  
63 100  
106 28.2 26.2 39.4

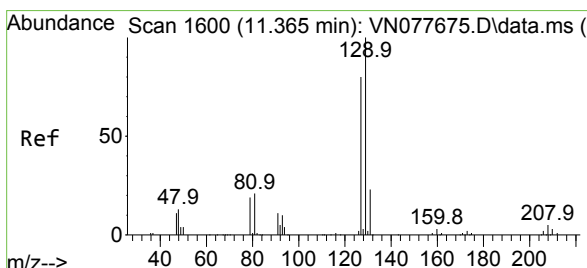
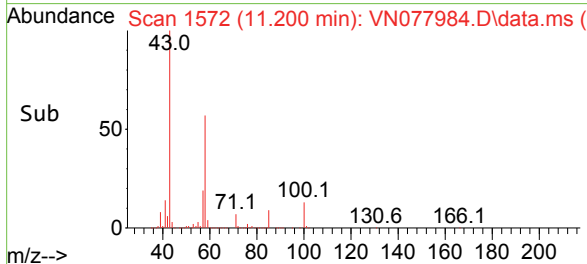
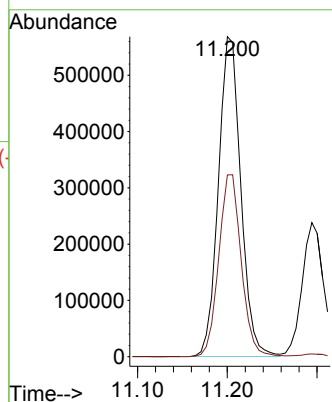
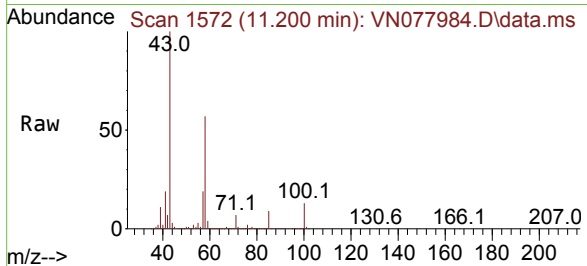




#59  
2-Hexanone  
Concen: 246.407 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

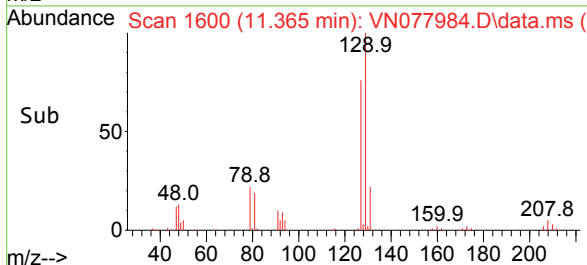
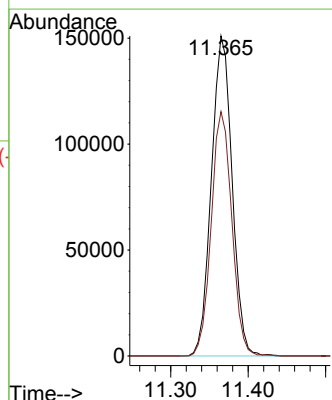
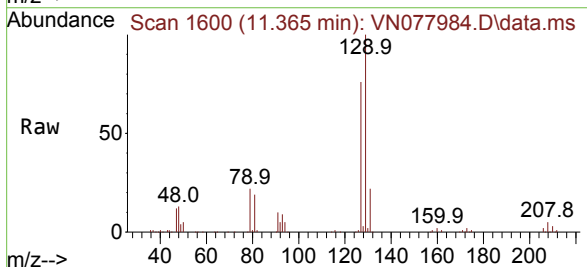
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

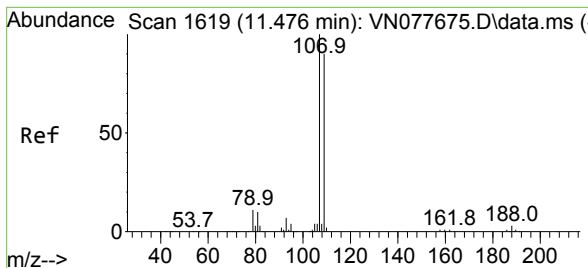
Tgt Ion: 43 Resp: 985514  
Ion Ratio Lower Upper  
43 100  
58 57.2 31.7 95.1



#60  
Dibromochloromethane  
Concen: 59.667 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 129 Resp: 280755  
Ion Ratio Lower Upper  
129 100  
127 75.9 38.6 116.0

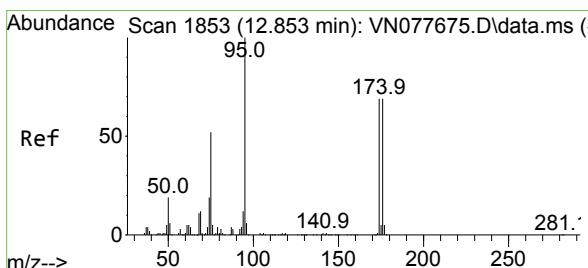
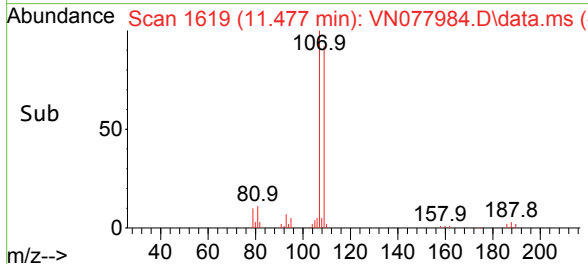
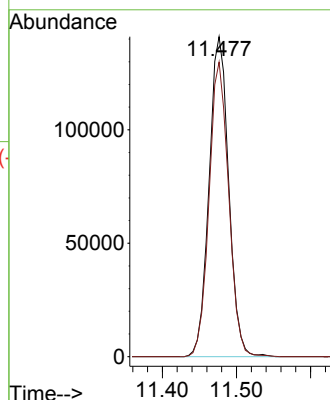
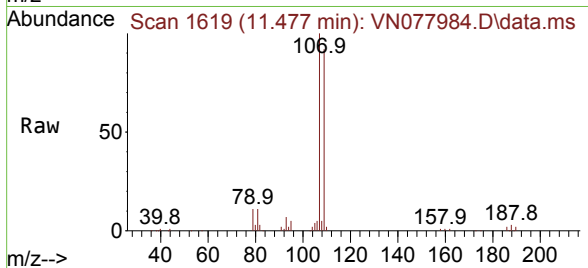




#61  
1,2-Dibromoethane  
Concen: 57.078 ug/l  
RT: 11.477 min Scan# 1619  
Delta R.T. 0.001 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

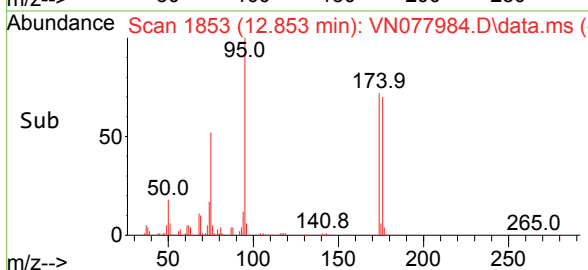
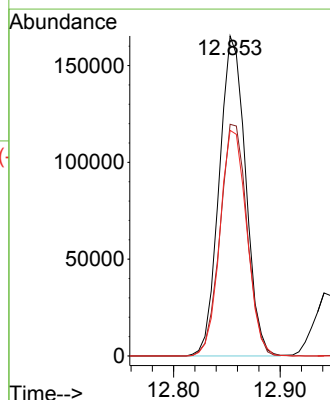
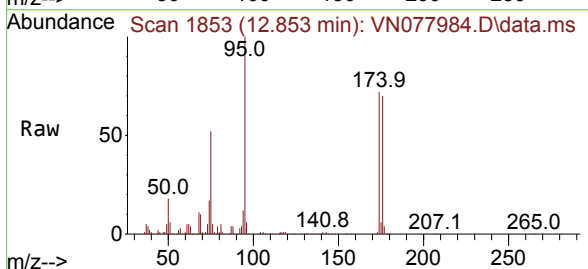
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

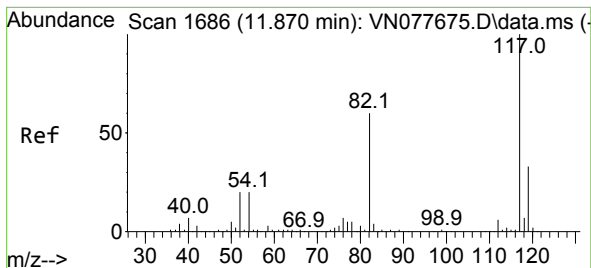
Tgt Ion:107 Resp: 259537  
Ion Ratio Lower Upper  
107 100  
109 91.9 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 48.893 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 95 Resp: 283938  
Ion Ratio Lower Upper  
95 100  
174 74.1 0.0 143.8  
176 71.8 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

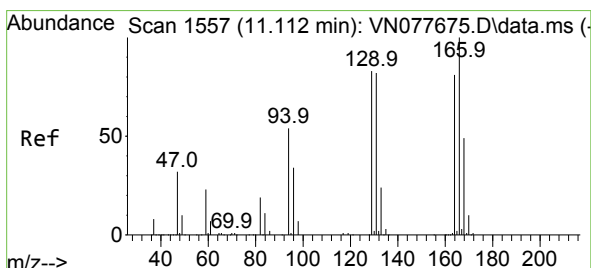
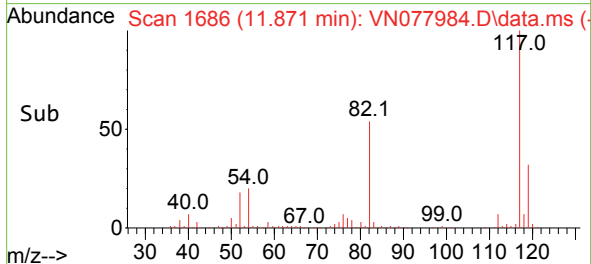
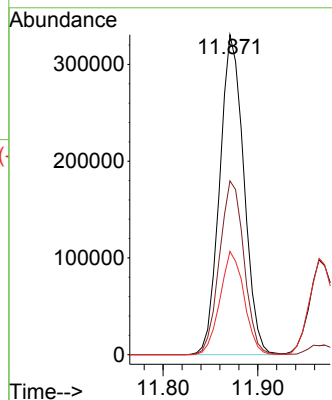
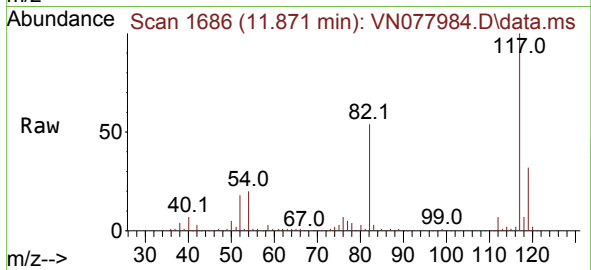
Tgt Ion:117 Resp: 586257

Ion Ratio Lower Upper

117 100

82 54.3 44.0 66.0

119 32.2 25.6 38.4



#64

Tetrachloroethene

Concen: 57.946 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Tgt Ion:164 Resp: 237567

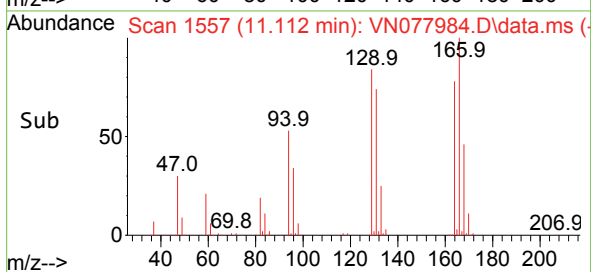
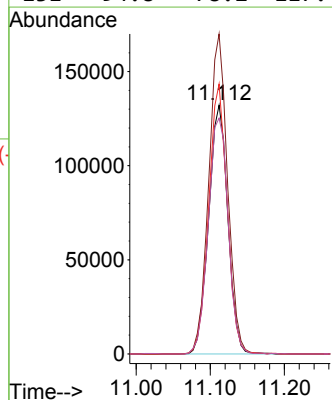
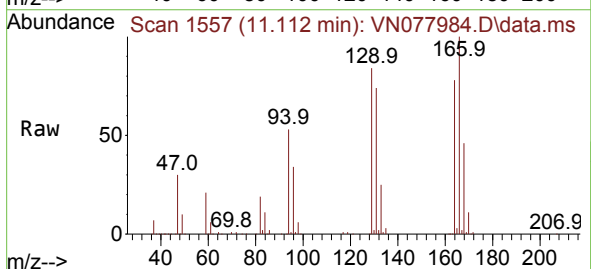
Ion Ratio Lower Upper

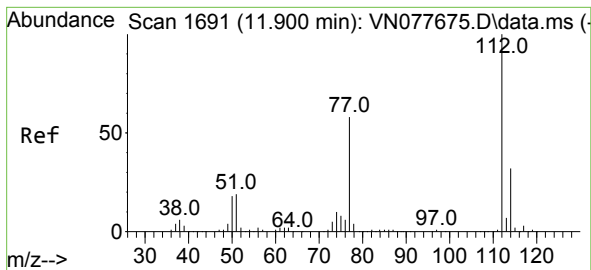
164 100

166 128.6 101.4 152.0

129 108.5 82.4 123.6

131 94.8 78.2 117.4

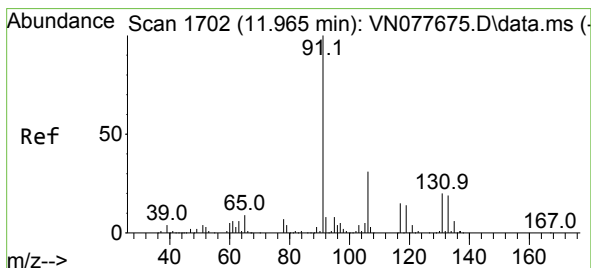
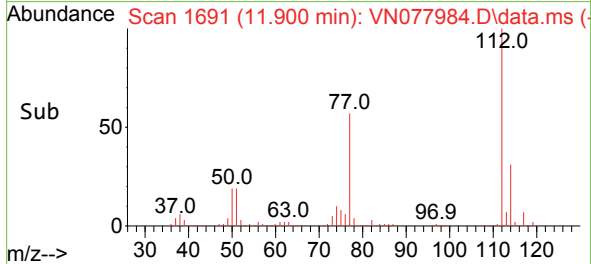
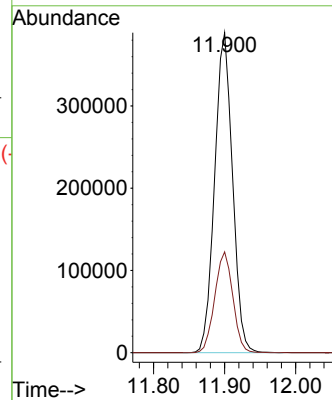
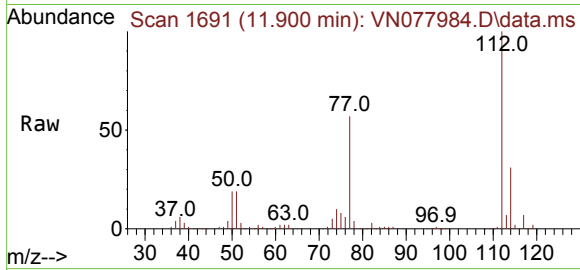




#65  
Chlorobenzene  
Concen: 53.415 ug/l  
RT: 11.900 min Scan# 1691  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

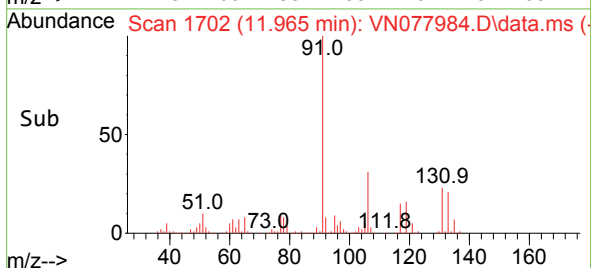
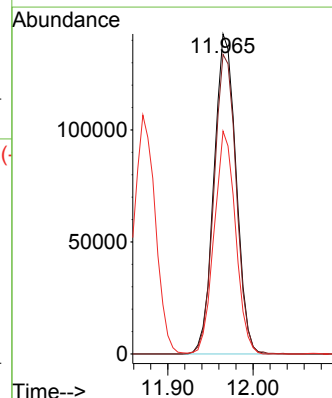
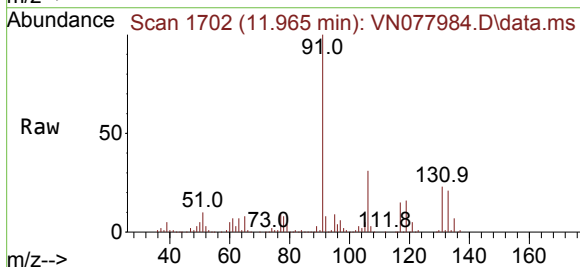
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

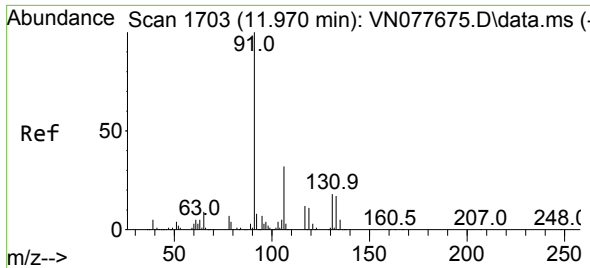
Tgt Ion:112 Resp: 678871  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 58.400 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion:131 Resp: 256819  
Ion Ratio Lower Upper  
131 100  
133 94.5 46.4 139.1  
119 67.6 34.1 102.2

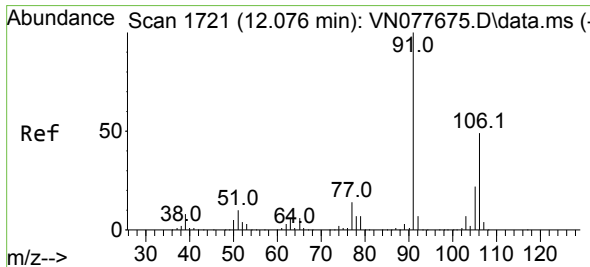
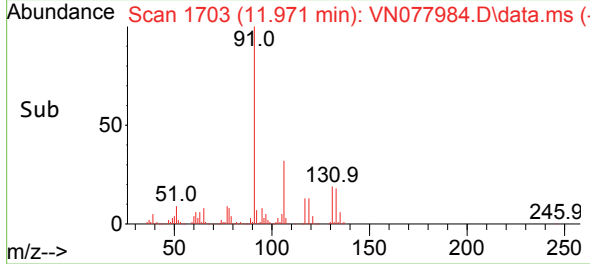
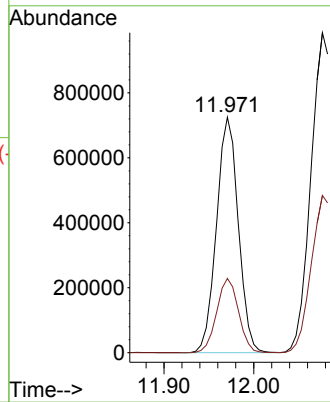
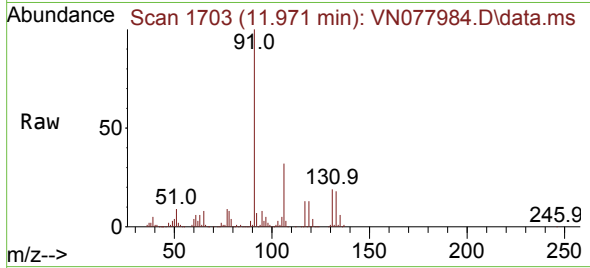




#67  
Ethyl Benzene  
Concen: 53.698 ug/l  
RT: 11.971 min Scan# 1703  
Delta R.T. 0.001 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

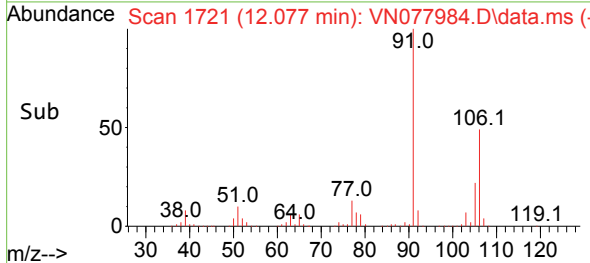
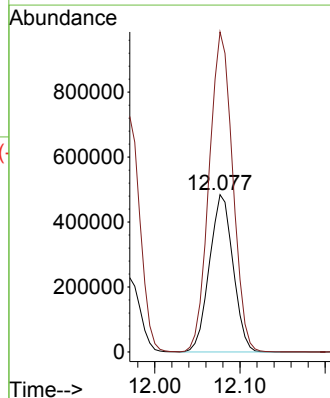
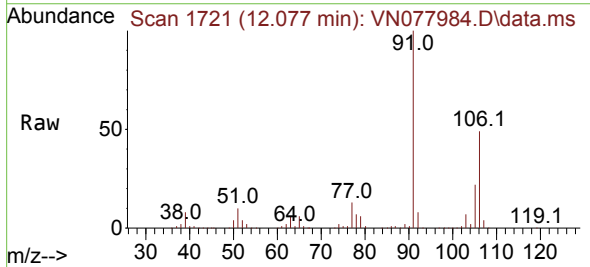
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

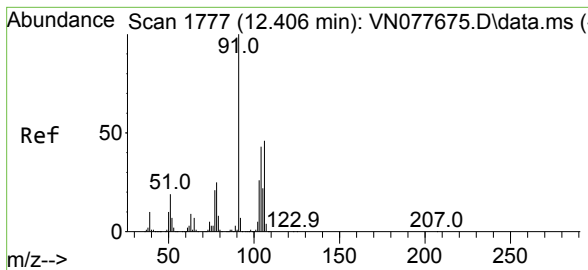
Tgt Ion: 91 Resp: 1223010  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.6 38.4



#68  
m/p-Xylenes  
Concen: 108.373 ug/l  
RT: 12.077 min Scan# 1721  
Delta R.T. 0.001 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion:106 Resp: 935255  
Ion Ratio Lower Upper  
106 100  
91 203.2 159.6 239.4

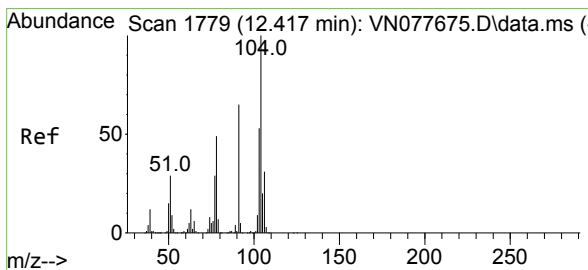
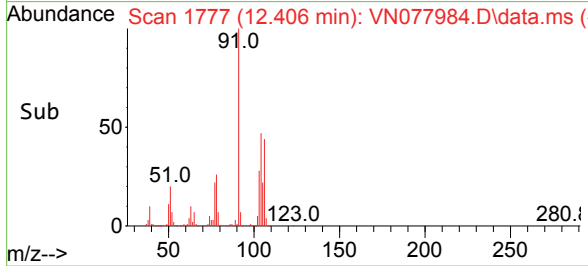
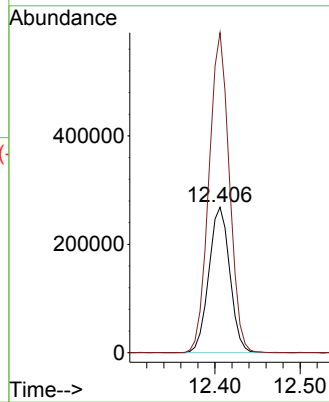
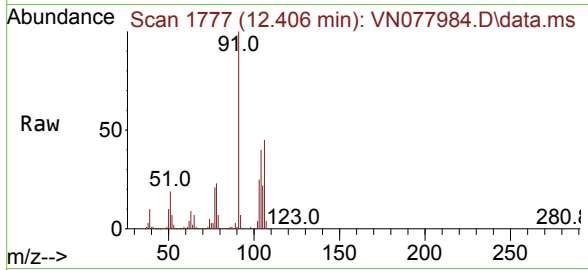




#69  
o-Xylene  
Concen: 53.960 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

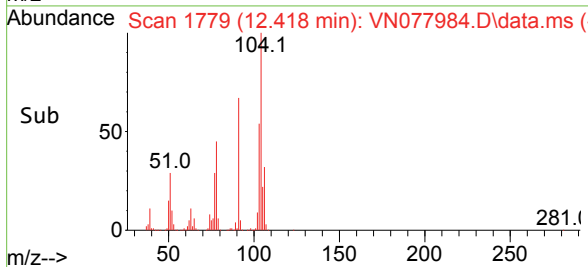
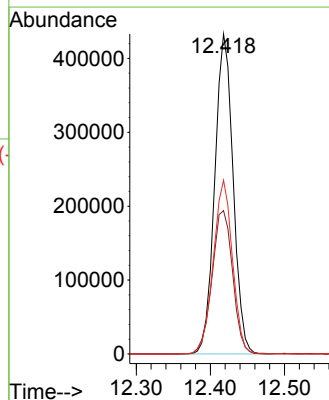
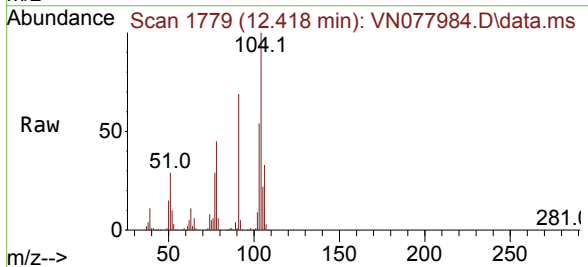
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

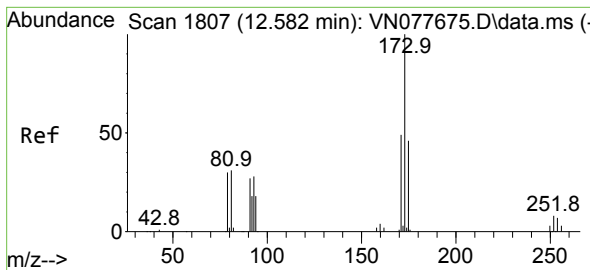
Tgt Ion:106 Resp: 457963  
Ion Ratio Lower Upper  
106 100  
91 214.4 105.2 315.5



#70  
Styrene  
Concen: 55.275 ug/l  
RT: 12.418 min Scan# 1779  
Delta R.T. 0.001 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion:104 Resp: 745241  
Ion Ratio Lower Upper  
104 100  
78 50.2 39.5 59.3  
103 56.7 43.2 64.8





#71

Bromoform

Concen: 60.039 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

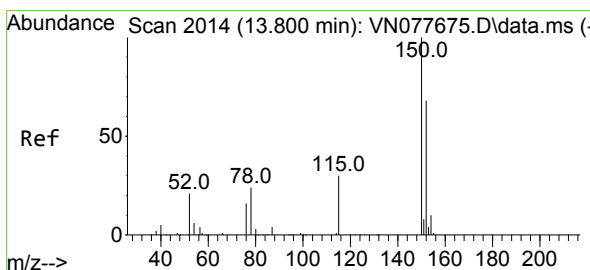
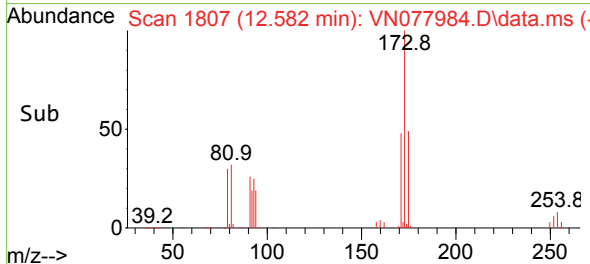
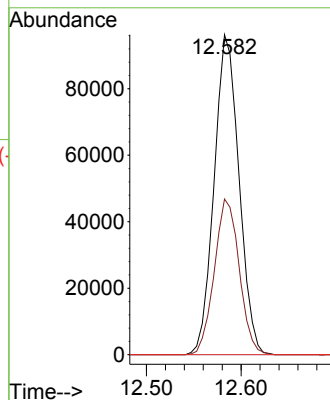
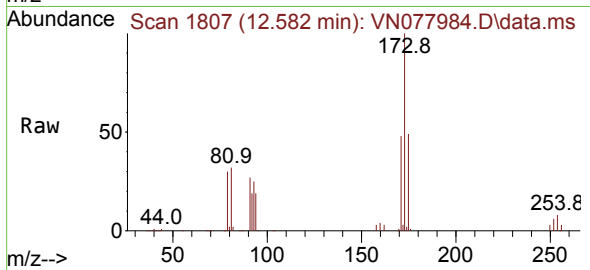
Tgt Ion:173 Resp: 175640

Ion Ratio Lower Upper

173 100

175 48.8 24.3 73.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

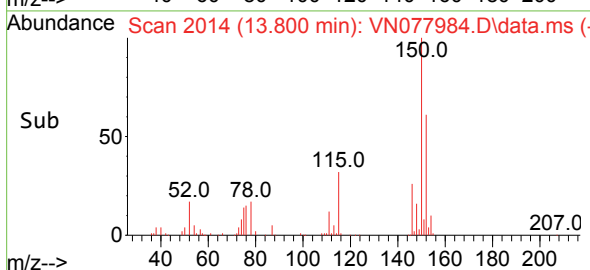
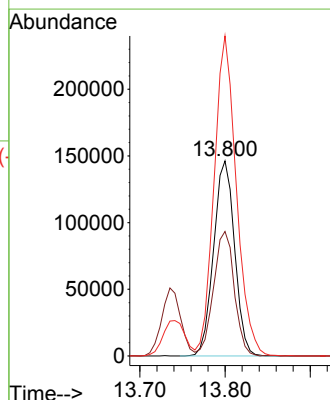
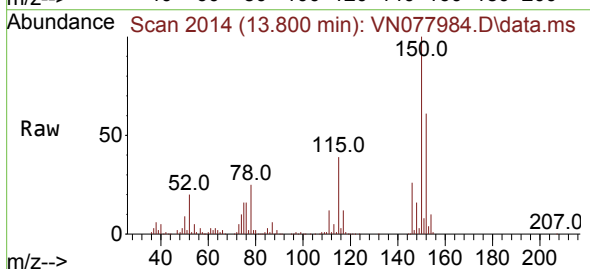
Tgt Ion:152 Resp: 250089

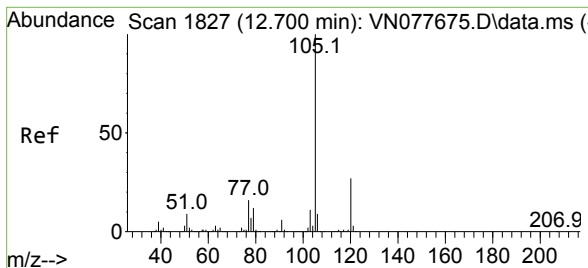
Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 174.2 0.0 355.8





#73

Isopropylbenzene

Concen: 54.833 ug/l

RT: 12.700 min Scan# 1182085

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

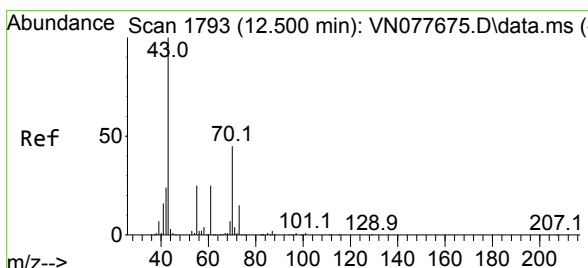
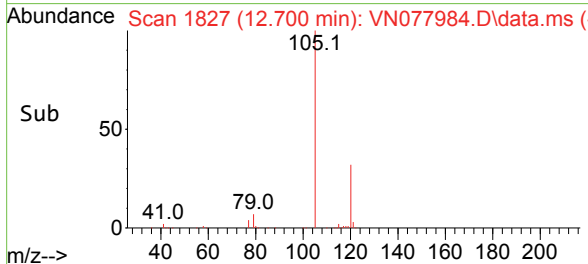
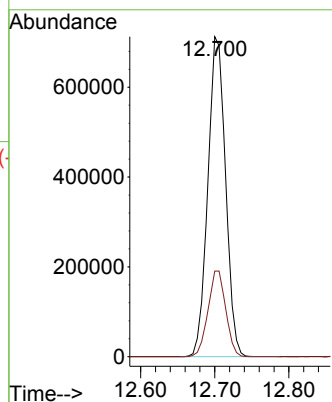
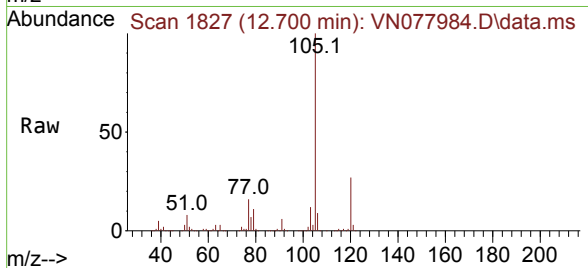
VSTDCCC050

Tgt Ion:105 Resp: 1182085

Ion Ratio Lower Upper

105 100

120 26.8 13.1 39.1



#74

N-ethyl acetate

Concen: 47.073 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Tgt Ion: 43 Resp: 375098

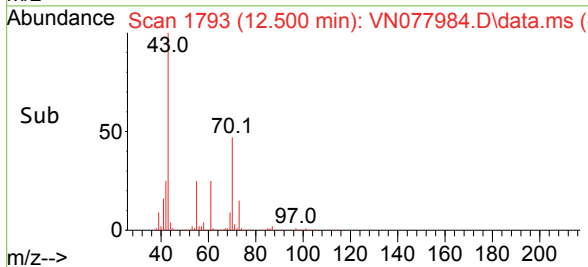
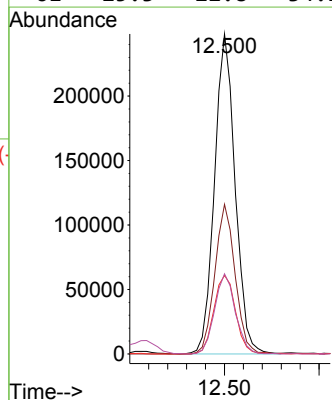
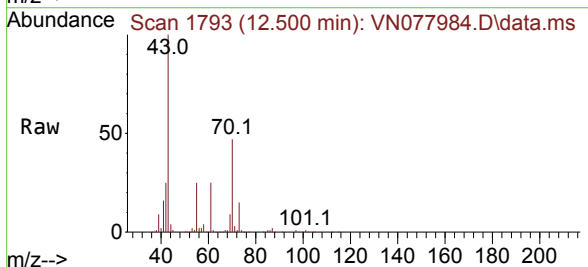
Ion Ratio Lower Upper

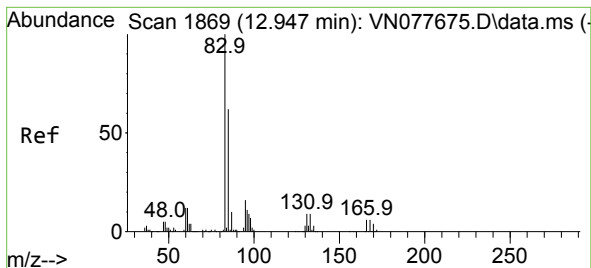
43 100

70 46.1 43.4 65.2

55 25.9 21.4 32.0

61 25.3 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.415 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. -0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

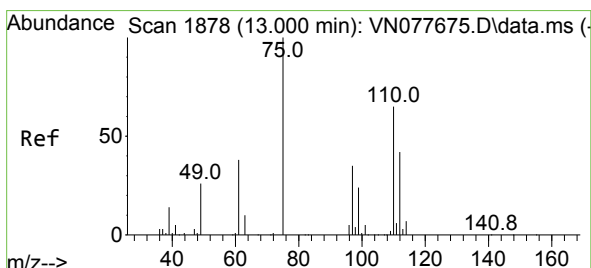
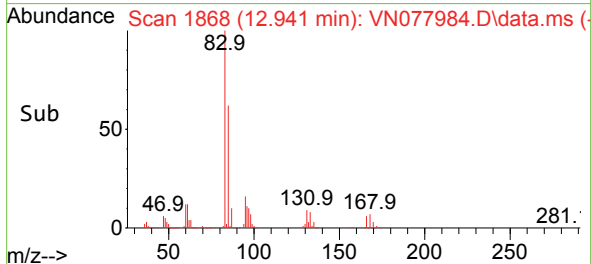
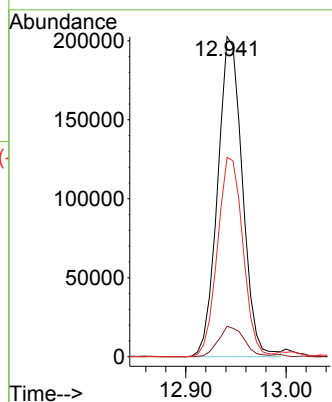
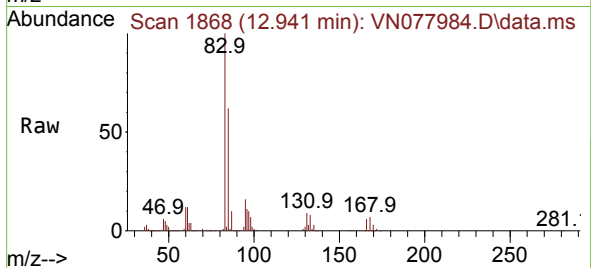
Tgt Ion: 83 Resp: 347617

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

85 63.9 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 68.084 ug/l

RT: 13.000 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VN077984.D

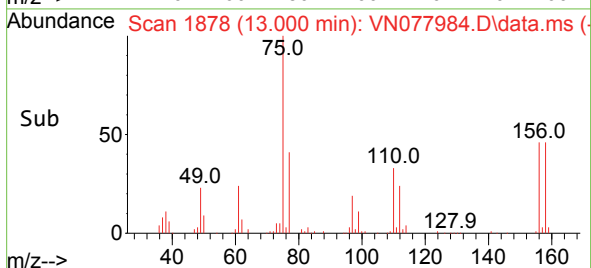
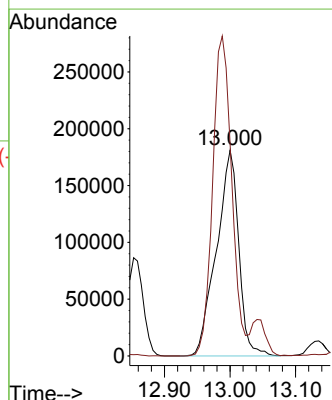
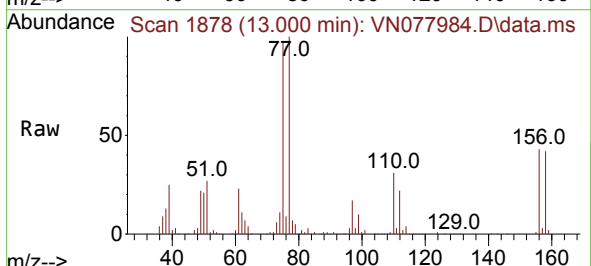
Acq: 31 May 2023 10:20

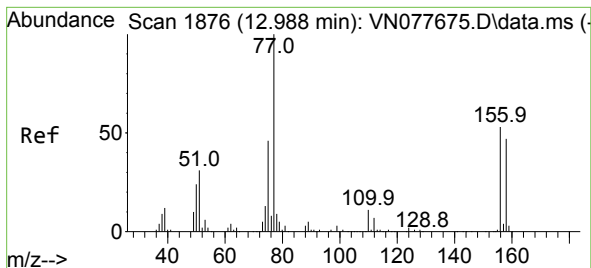
Tgt Ion: 75 Resp: 426418

Ion Ratio Lower Upper

75 100

77 133.0 84.5 253.5





#77

Bromobenzene

Concen: 52.983 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

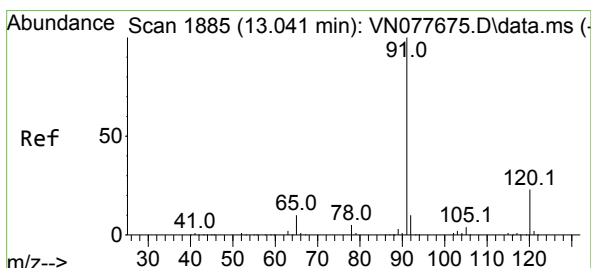
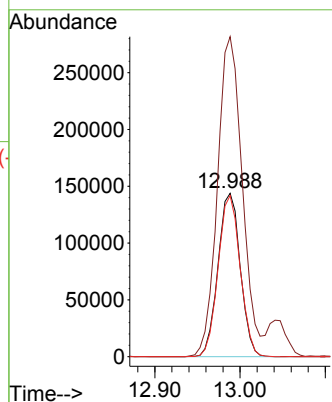
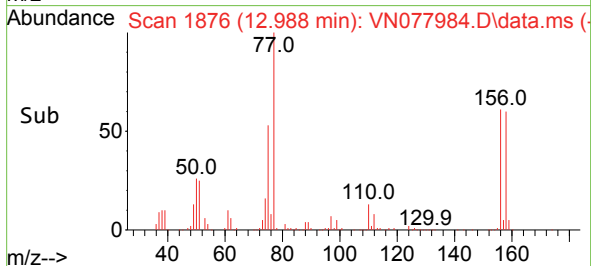
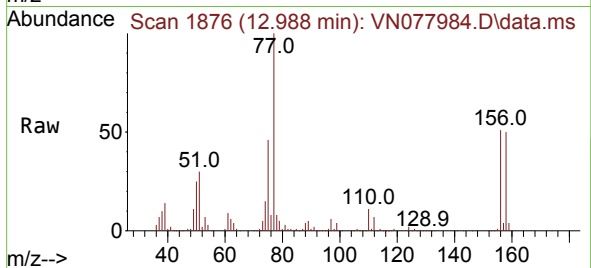
Tgt Ion:156 Resp: 260655

Ion Ratio Lower Upper

156 100

77 217.5 107.7 323.3

158 97.5 48.4 145.3



#78

n-propylbenzene

Concen: 53.890 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN077984.D

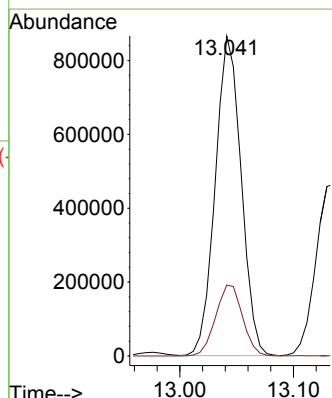
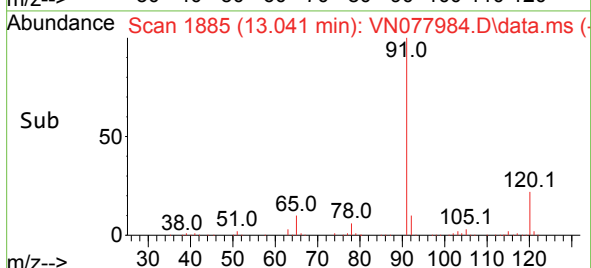
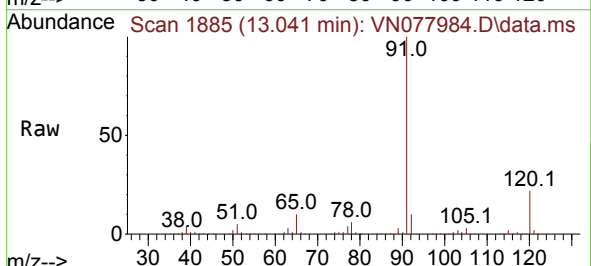
Acq: 31 May 2023 10:20

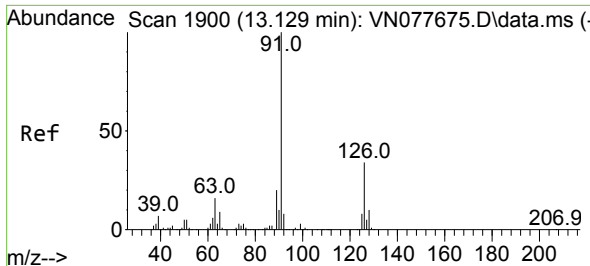
Tgt Ion: 91 Resp: 1369626

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.4

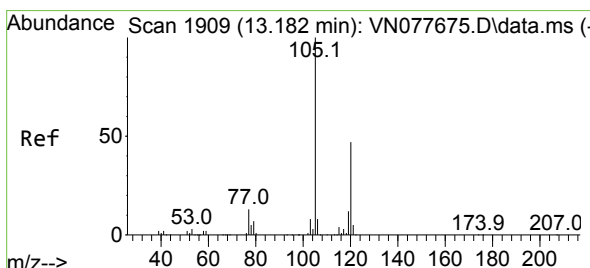
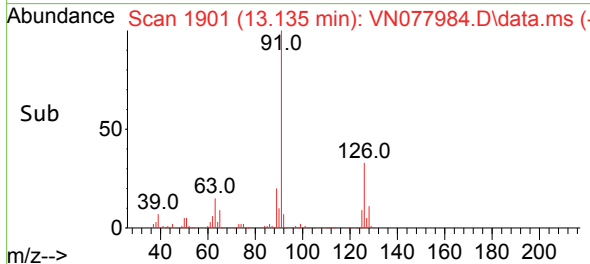
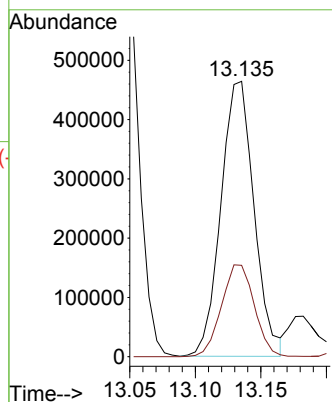
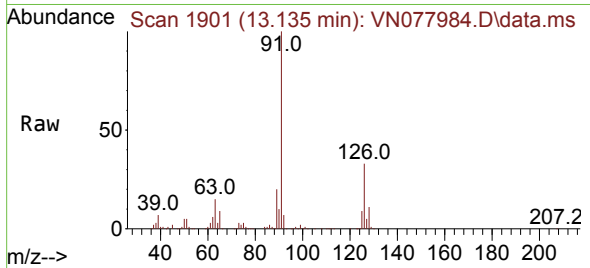




#79  
2-Chlorotoluene  
Concen: 53.872 ug/l  
RT: 13.135 min Scan# 1900  
Delta R.T. 0.006 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

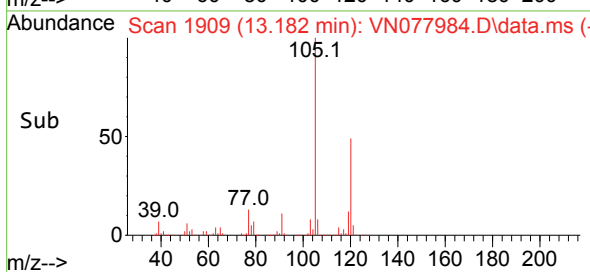
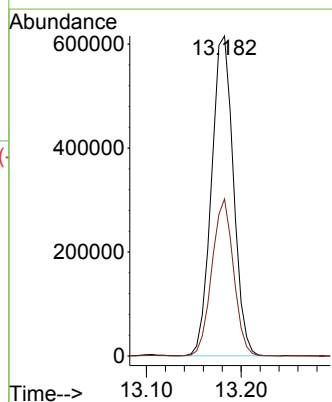
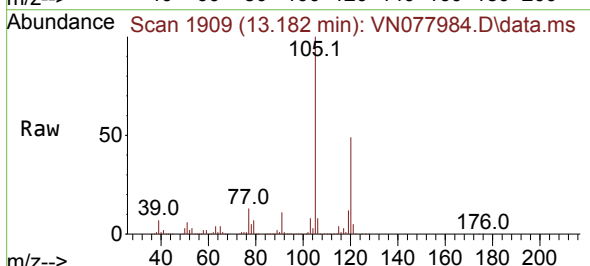
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

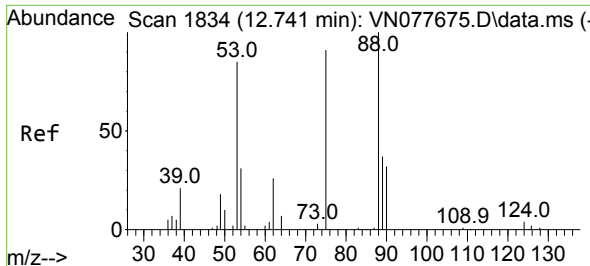
Tgt Ion: 91 Resp: 817002  
Ion Ratio Lower Upper  
91 100  
126 33.1 16.3 48.8



#80  
1,3,5-Trimethylbenzene  
Concen: 54.566 ug/l  
RT: 13.182 min Scan# 1909  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 105 Resp: 988663  
Ion Ratio Lower Upper  
105 100  
120 48.4 24.1 72.3

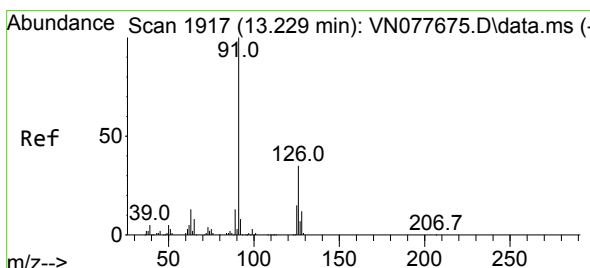
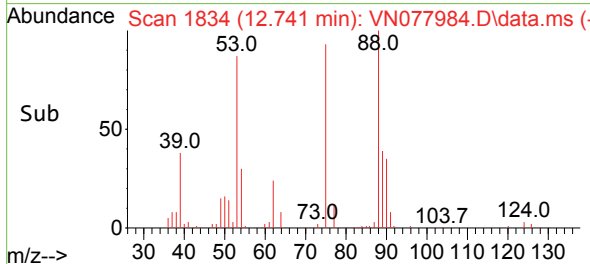
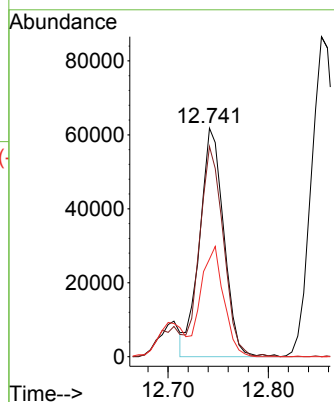
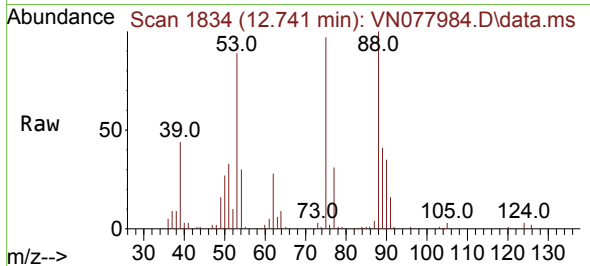




#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.806 ug/l  
RT: 12.741 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

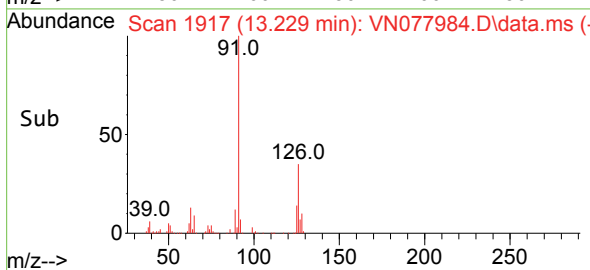
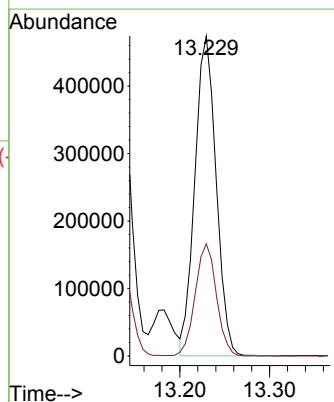
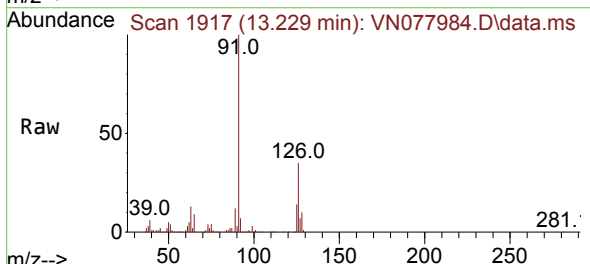
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

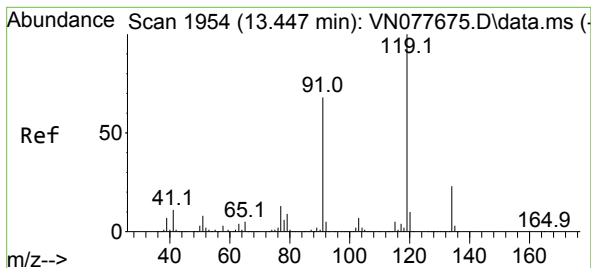
Tgt Ion: 75 Resp: 103466  
Ion Ratio Lower Upper  
75 100  
53 89.0 67.4 101.2  
89 46.3 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 51.659 ug/l  
RT: 13.229 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 91 Resp: 779499  
Ion Ratio Lower Upper  
91 100  
126 35.0 16.7 50.0





#83

tert-Butylbenzene

Concen: 52.713 ug/l

RT: 13.447 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

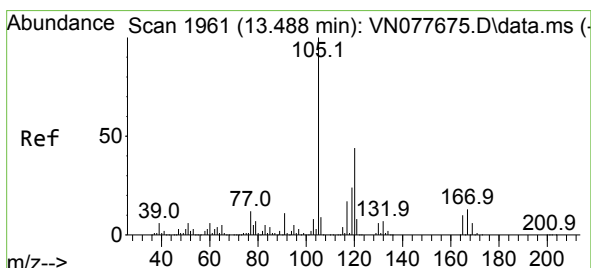
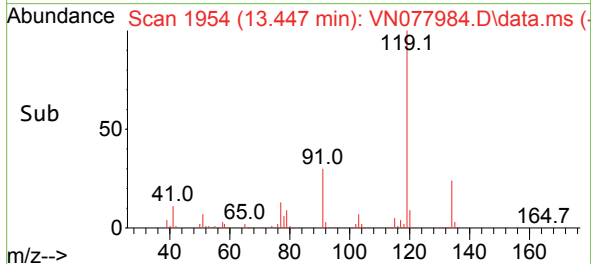
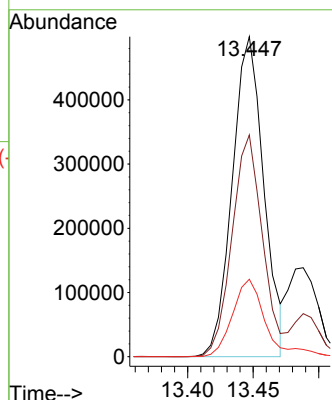
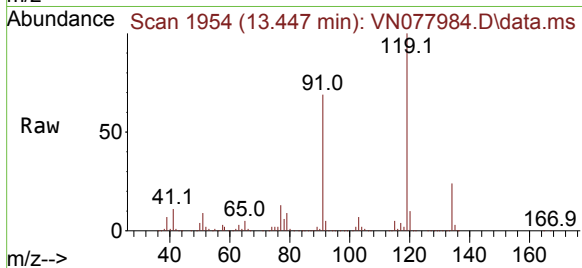
Tgt Ion:119 Resp: 833773

Ion Ratio Lower Upper

119 100

91 68.3 33.9 101.7

134 25.5 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 55.129 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN077984.D

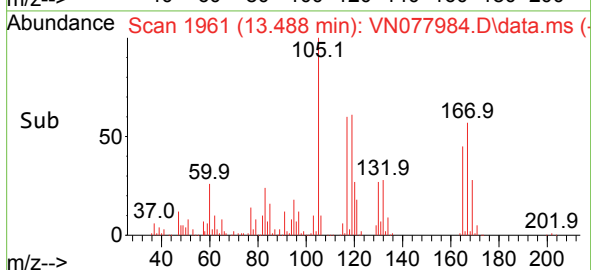
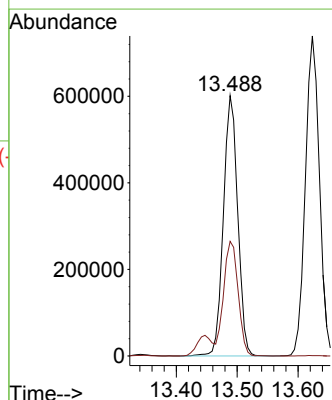
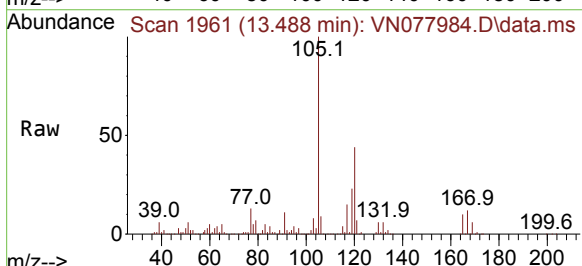
Acq: 31 May 2023 10:20

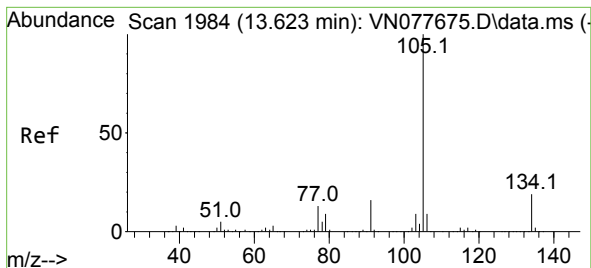
Tgt Ion:105 Resp: 982354

Ion Ratio Lower Upper

105 100

120 44.4 22.0 66.0





#85

sec-Butylbenzene

Concen: 52.539 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

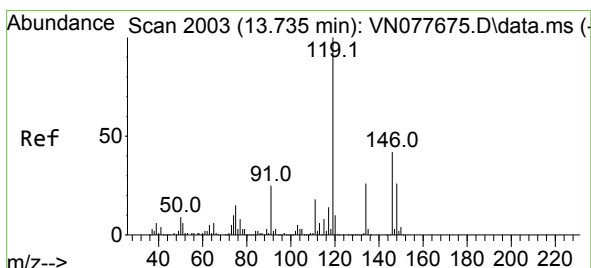
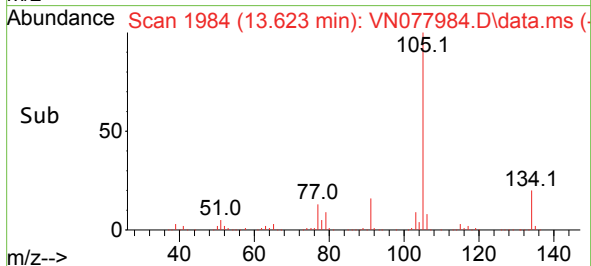
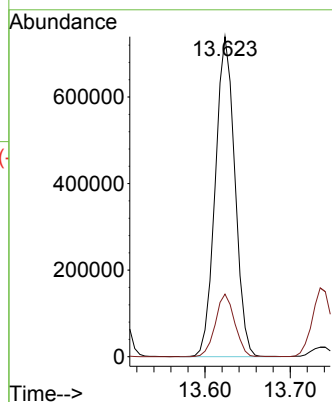
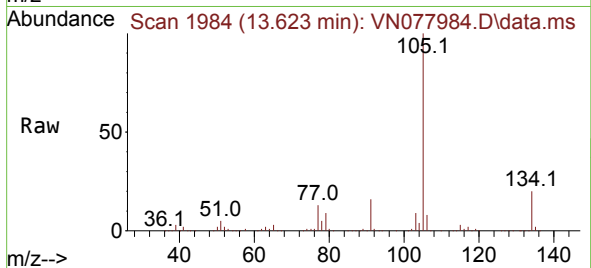
VSTDCCC050

Tgt Ion:105 Resp: 1181030

Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.3



#86

p-Isopropyltoluene

Concen: 53.474 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

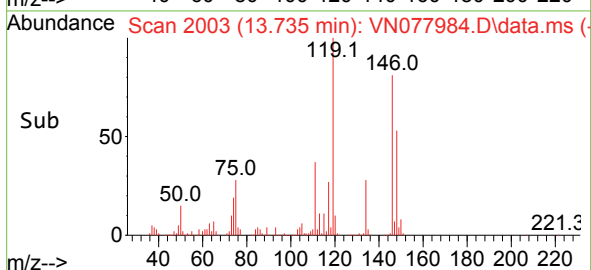
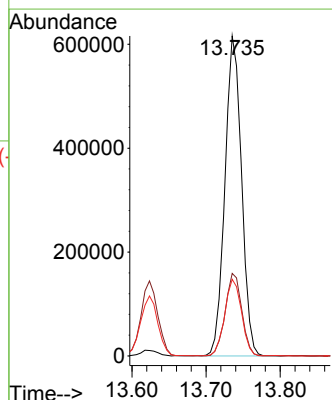
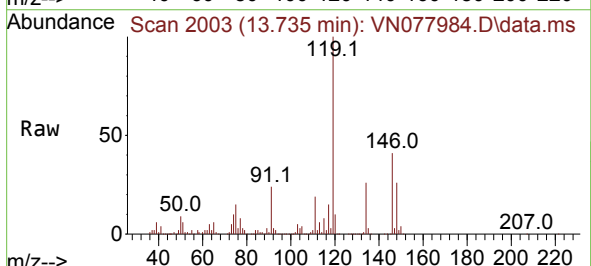
Tgt Ion:119 Resp: 958314

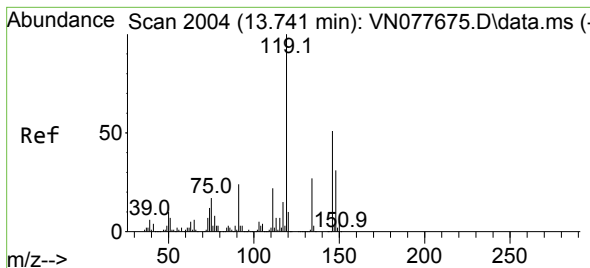
Ion Ratio Lower Upper

119 100

134 25.9 12.6 37.8

91 24.1 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 51.714 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

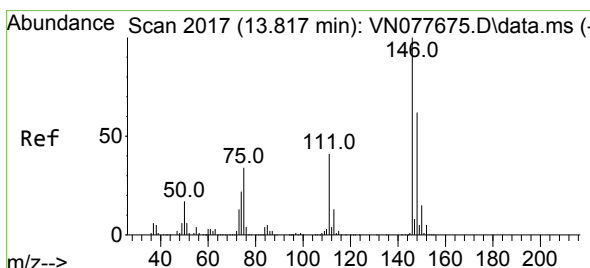
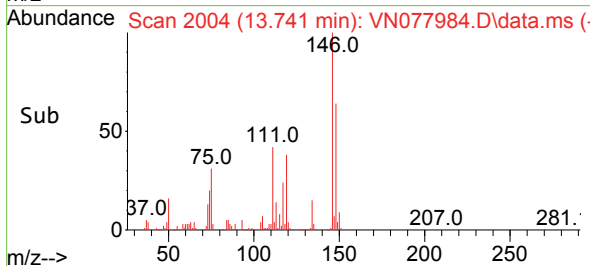
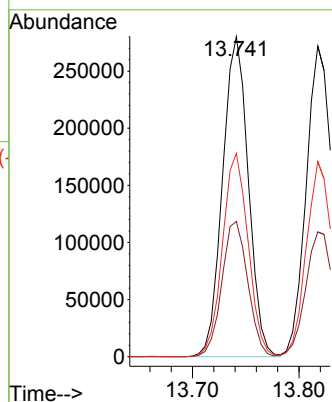
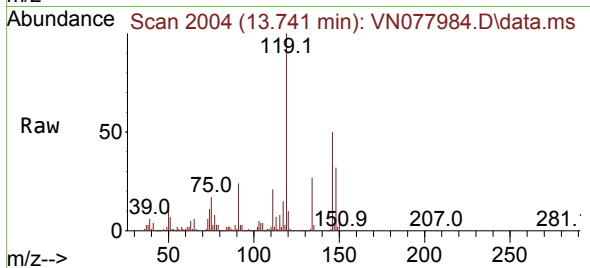
Tgt Ion:146 Resp: 470503

Ion Ratio Lower Upper

146 100

111 42.6 22.1 66.3

148 63.3 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 51.202 ug/l

RT: 13.818 min Scan# 2017

Delta R.T. 0.001 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

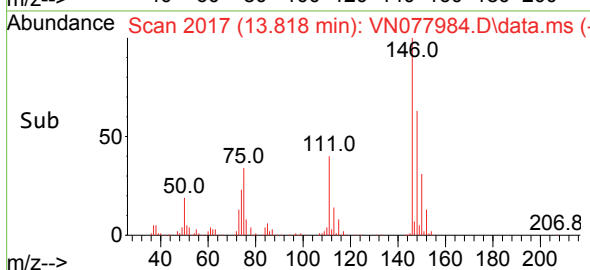
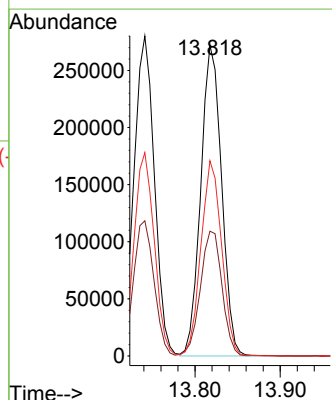
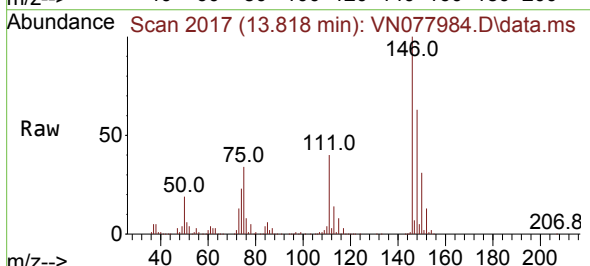
Tgt Ion:146 Resp: 462262

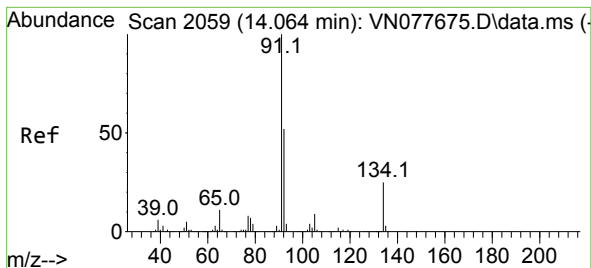
Ion Ratio Lower Upper

146 100

111 41.5 20.6 61.8

148 62.4 31.6 94.8





#89

n-Butylbenzene

Concen: 48.100 ug/l

RT: 14.065 min Scan# 2059

Delta R.T. 0.001 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

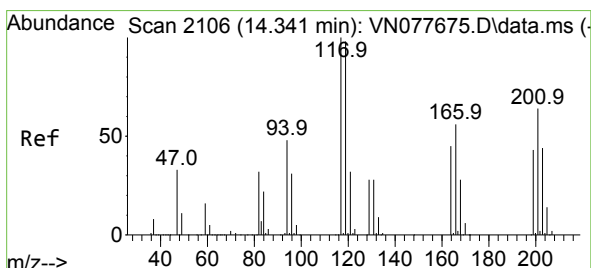
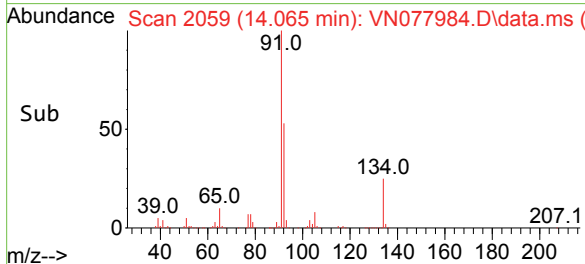
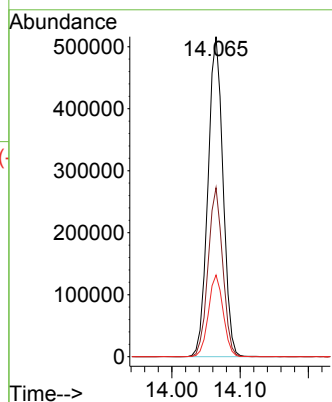
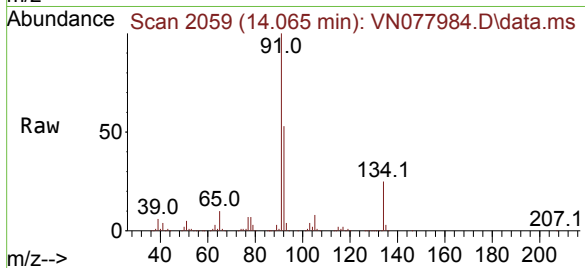
Tgt Ion: 91 Resp: 792852

Ion Ratio Lower Upper

91 100

92 51.3 26.4 79.0

134 25.0 12.6 37.6



#90

Hexachloroethane

Concen: 56.717 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. 0.000 min

Lab File: VN077984.D

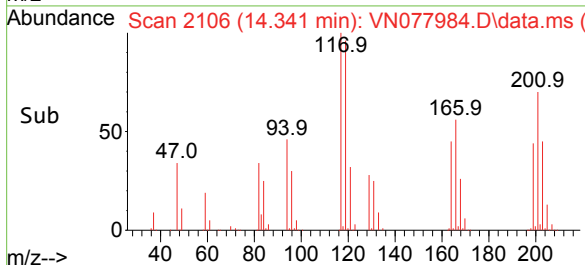
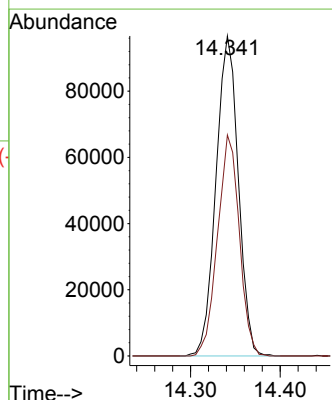
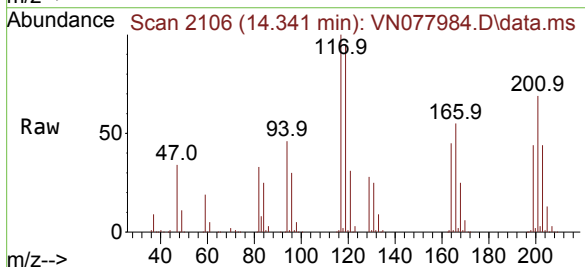
Acq: 31 May 2023 10:20

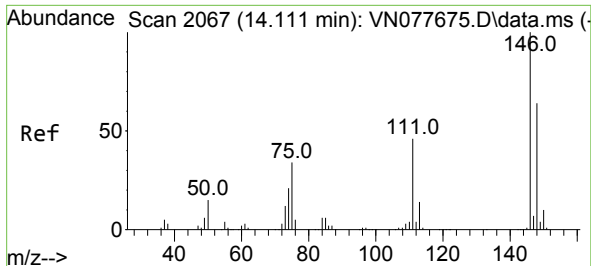
Tgt Ion: 117 Resp: 166978

Ion Ratio Lower Upper

117 100

201 67.4 29.3 88.0

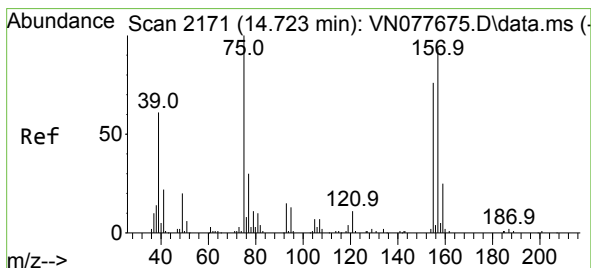
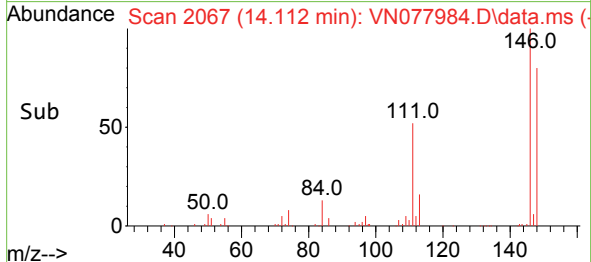
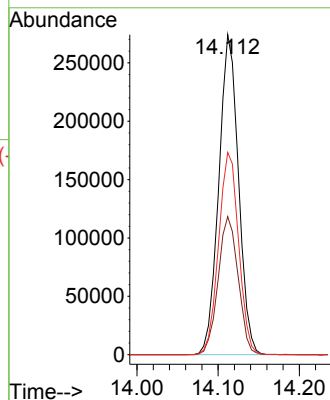
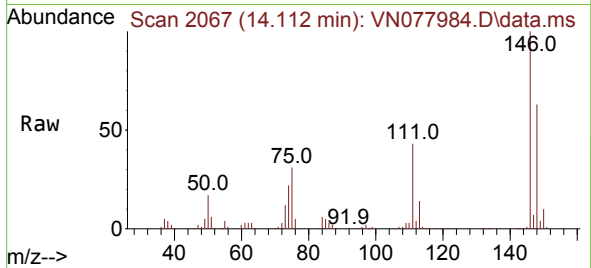




#91  
1,2-Dichlorobenzene  
Concen: 54.477 ug/l  
RT: 14.112 min Scan# 2067  
Delta R.T. 0.001 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

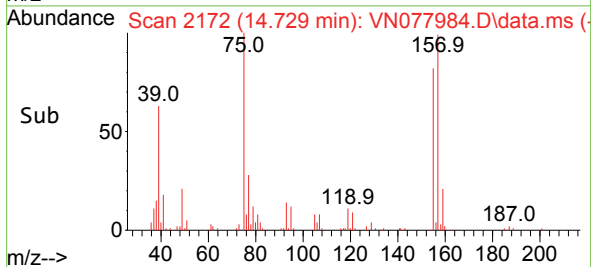
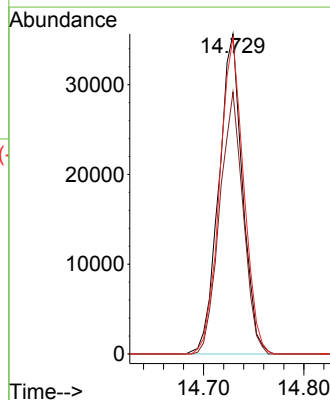
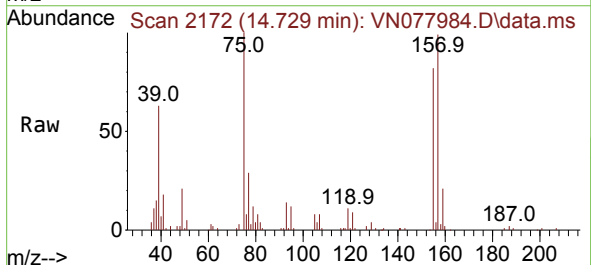
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

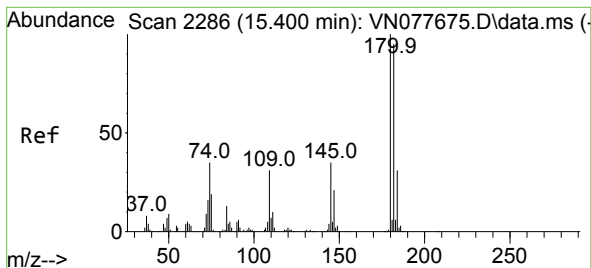
Tgt Ion:146 Resp: 463024  
Ion Ratio Lower Upper  
146 100  
111 43.9 22.0 66.0  
148 64.2 31.8 95.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 45.333 ug/l  
RT: 14.729 min Scan# 2172  
Delta R.T. 0.006 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion: 75 Resp: 58206  
Ion Ratio Lower Upper  
75 100  
155 81.1 39.1 117.2  
157 100.6 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 39.699 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

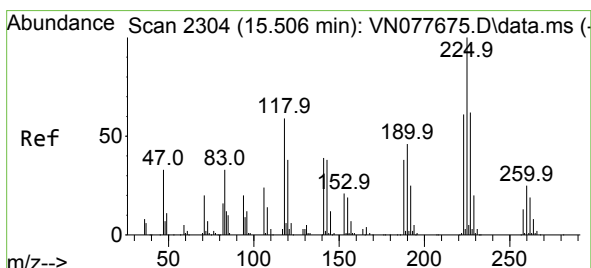
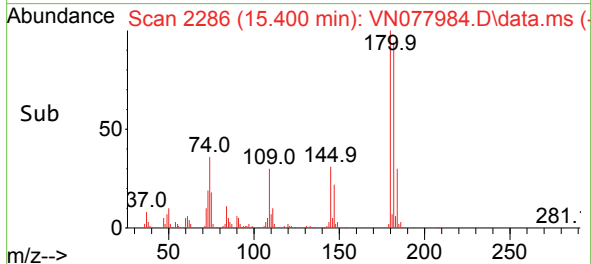
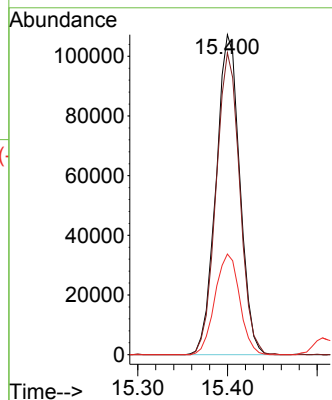
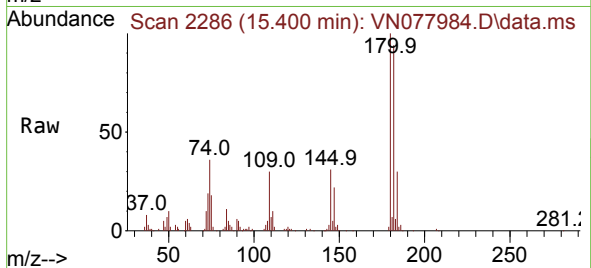
Tgt Ion:180 Resp: 197180

Ion Ratio Lower Upper

180 100

182 93.8 46.1 138.2

145 32.7 16.6 49.8



#94

Hexachlorobutadiene

Concen: 45.073 ug/l

RT: 15.512 min Scan# 2305

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

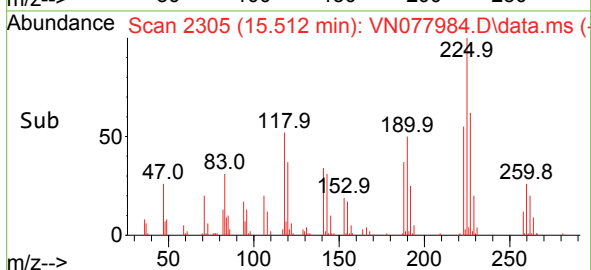
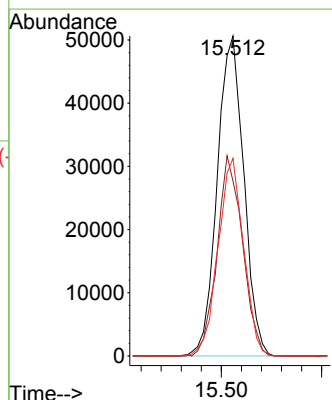
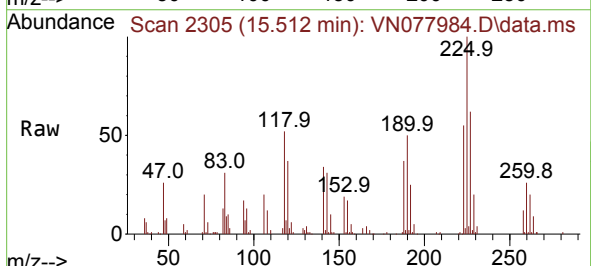
Tgt Ion:225 Resp: 92952

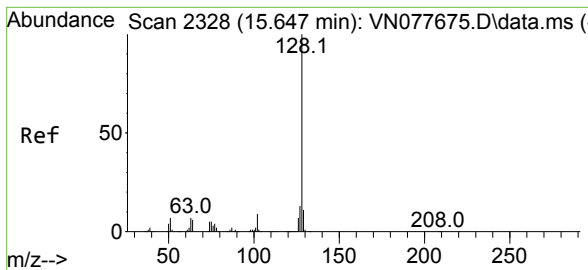
Ion Ratio Lower Upper

225 100

223 60.0 31.3 93.8

227 59.6 31.9 95.9

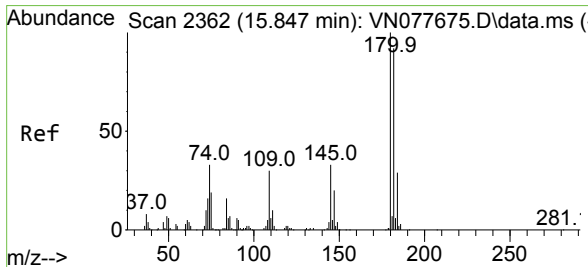
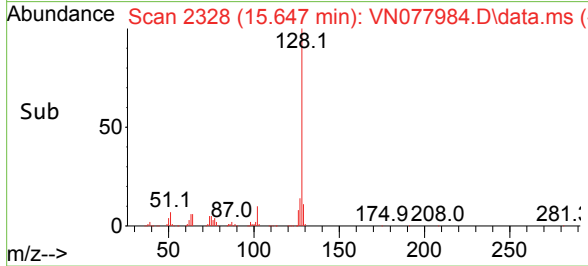
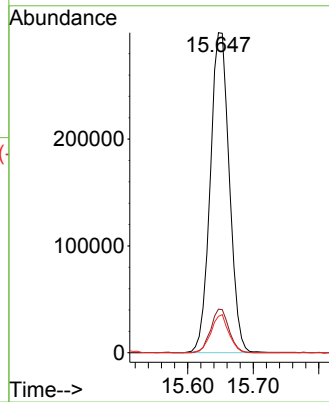
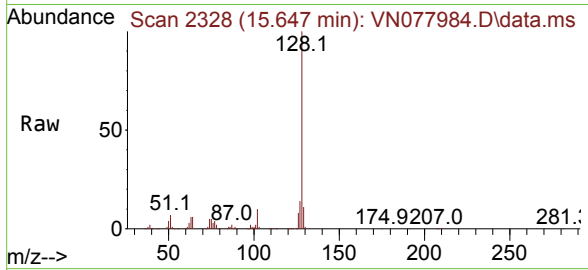




#95  
Naphthalene  
Concen: 35.399 ug/l  
RT: 15.647 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tgt Ion:128 Resp: 605194  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.0 15.0  
129 11.2 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 41.856 ug/l  
RT: 15.847 min Scan# 2362  
Delta R.T. -0.000 min  
Lab File: VN077984.D  
Acq: 31 May 2023 10:20

Tgt Ion:180 Resp: 203551  
Ion Ratio Lower Upper  
180 100  
182 96.1 46.2 138.6  
145 35.4 17.5 52.6

