

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071323\  
 Data File : VN078506.D  
 Acq On : 13 Jul 2023 19:05  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jul 14 01:37:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.229  | 168  | 448956   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.112  | 114  | 768405   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 700770   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 301633   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 267034   | 44.367   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 88.740% |
| 35) Dibromofluoromethane    | 8.177  | 113   | 234787   | 45.011   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 90.020% |
| 50) Toluene-d8              | 10.576 | 98    | 875069   | 44.408   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 88.820% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 281017   | 46.299   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 92.600% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 2.136 | 85  | 244125  | 44.350  | ug/l   | 99  |
| 3) Chloromethane             | 2.371 | 50  | 291010  | 48.641  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.518 | 62  | 370657  | 47.892  | ug/l   | 99  |
| 5) Bromomethane              | 2.942 | 94  | 240169  | 48.958  | ug/l   | 98  |
| 6) Chloroethane              | 3.118 | 64  | 238345  | 50.946  | ug/l   | 96  |
| 7) Trichlorofluoromethane    | 3.494 | 101 | 436477  | 47.179  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.971 | 74  | 151995  | 49.311  | ug/l   | 84  |
| 9) 1,1,2-Trichlorotrifluo... | 4.377 | 101 | 233439  | 47.666  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.594 | 142 | 338830  | 50.348  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.547 | 59  | 241225  | 259.911 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 4.341 | 96  | 227190  | 47.958  | ug/l   | 97  |
| 13) Acrolein                 | 4.194 | 56  | 216665  | 237.277 | ug/l   | 99  |
| 14) Allyl chloride           | 5.030 | 41  | 326388  | 50.421  | ug/l   | 94  |
| 15) Acrylonitrile            | 5.735 | 53  | 622561  | 265.488 | ug/l   | 100 |
| 16) Acetone                  | 4.441 | 43  | 485253  | 258.824 | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.718 | 76  | 584110  | 42.640  | ug/l   | 99  |
| 18) Methyl Acetate           | 5.041 | 43  | 411204  | 51.811  | ug/l   | 90  |
| 19) Methyl tert-butyl Ether  | 5.812 | 73  | 791258  | 50.694  | ug/l   | 98  |
| 20) Methylene Chloride       | 5.288 | 84  | 275345  | 51.231  | ug/l   | 94  |
| 21) trans-1,2-Dichloroethene | 5.794 | 96  | 255067  | 47.780  | ug/l   | 89  |
| 22) Diisopropyl ether        | 6.688 | 45  | 739885  | 51.046  | ug/l   | 95  |
| 23) Vinyl Acetate            | 6.612 | 43  | 2362924 | 256.430 | ug/l # | 89  |
| 24) 1,1-Dichloroethane       | 6.577 | 63  | 467634  | 47.880  | ug/l   | 97  |
| 25) 2-Butanone               | 7.494 | 43  | 801502  | 271.581 | ug/l # | 87  |
| 26) 2,2-Dichloropropane      | 7.500 | 77  | 330559  | 41.381  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.500 | 96  | 304617  | 49.326  | ug/l   | 96  |
| 28) Bromochloromethane       | 7.824 | 49  | 200388  | 43.560  | ug/l   | 93  |
| 29) Tetrahydrofuran          | 7.853 | 42  | 522286  | 269.705 | ug/l   | 86  |
| 30) Chloroform               | 7.971 | 83  | 524648  | 51.596  | ug/l   | 94  |
| 31) Cyclohexane              | 8.265 | 56  | 363020  | 44.630  | ug/l   | 93  |
| 32) 1,1,1-Trichloroethane    | 8.177 | 97  | 458525  | 50.296  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 8.377 | 75  | 368890  | 48.978  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.571 | 43  | 337600  | 53.771  | ug/l # | 94  |
| 38) Carbon Tetrachloride     | 8.371 | 117 | 412462  | 50.388  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.612 | 83  | 344958  | 50.177  | ug/l   | 94  |
| 40) Benzene                  | 8.618 | 78  | 1129746 | 50.631  | ug/l   | 100 |

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 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jul 14 01:37:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 175570   | 54.853   | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.682  | 62   | 382473   | 50.395   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.700  | 43   | 550631   | 53.269   | ug/l   | 95       |
| 44) Trichloroethene           | 9.359  | 130  | 285581   | 47.487   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.629  | 63   | 288291   | 51.013   | ug/l   | 97       |
| 46) Dibromomethane            | 9.712  | 93   | 207790   | 52.240   | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.894  | 83   | 413989   | 51.922   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.688  | 41   | 253521   | 52.939   | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 119815   | 1147.237 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43   | 1744321  | 283.700  | ug/l   | 93       |
| 52) Toluene                   | 10.635 | 92   | 715405   | 51.732   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 418099   | 51.185   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 450333   | 51.720   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 11.023 | 97   | 285337   | 52.368   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 425032   | 55.804   | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 11.170 | 76   | 475280   | 51.302   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 831480   | 306.328  | ug/l   | 94       |
| 59) 2-Hexanone                | 11.200 | 43   | 1276059  | 292.019  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.365 | 129  | 320361   | 53.259   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.476 | 107  | 295850   | 52.710   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.112 | 164  | 246639   | 46.813   | ug/l   | 93       |
| 65) Chlorobenzene             | 11.894 | 112  | 755754   | 48.248   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.964 | 131  | 297252   | 49.329   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.970 | 91   | 1352245  | 51.072   | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.076 | 106  | 1023848  | 104.588  | ug/l   | 98       |
| 69) o-Xylene                  | 12.406 | 106  | 504169   | 50.989   | ug/l   | 99       |
| 70) Styrene                   | 12.417 | 104  | 823375   | 53.227   | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 217484   | 53.291   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.700 | 105  | 1238558  | 43.699   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.500 | 43   | 460675   | 47.164   | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 418983   | 53.120   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 500569   | 68.657   | ug/l   | 67       |
| 77) Bromobenzene              | 12.988 | 156  | 300727   | 48.752   | ug/l   | 96       |
| 78) n-propylbenzene           | 13.041 | 91   | 1404583  | 46.339   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 881551   | 44.401   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 13.182 | 105  | 1030549  | 46.018   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 136855   | 49.326   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 13.229 | 91   | 842180   | 45.471   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.447 | 119  | 860158   | 45.241   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 1014337  | 46.631   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.623 | 105  | 1106362  | 46.037   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 918166   | 47.581   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146  | 523062   | 48.073   | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146  | 493852   | 45.062   | ug/l   | 100      |
| 89) n-Butylbenzene            | 14.064 | 91   | 690322   | 49.997   | ug/l   | 96       |
| 90) Hexachloroethane          | 14.341 | 117  | 174004   | 49.044   | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 14.111 | 146  | 511091   | 47.200   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 71564    | 52.852   | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 177752   | 51.435   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.505 | 225  | 91698    | 51.409   | ug/l   | 97       |
| 95) Naphthalene               | 15.647 | 128  | 560883   | 47.475   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 191314   | 48.145   | ug/l   | 96       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 10 16:13:53 2023  
Response via : Initial Calibration

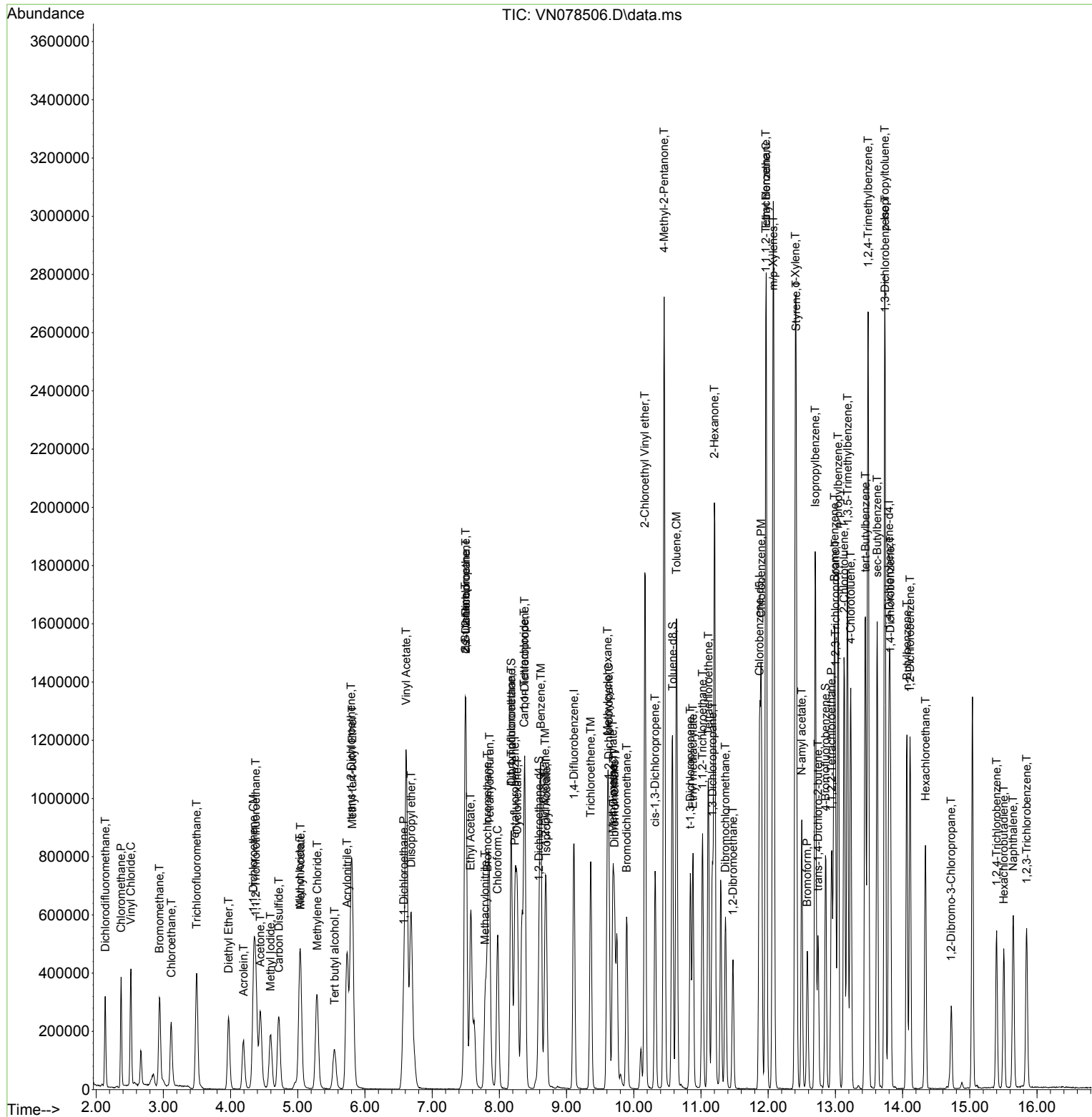
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

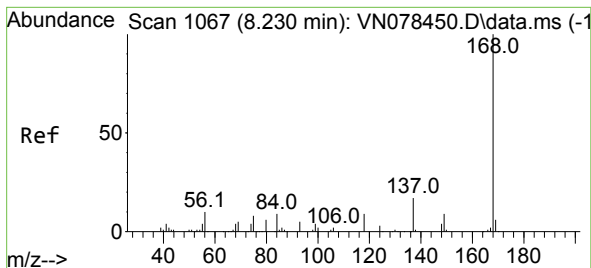
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071323\  
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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
VSTDCCC050EC

Quant Time: Jul 14 01:37:28 2023  
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Quant Title : SW846 8260  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.001 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

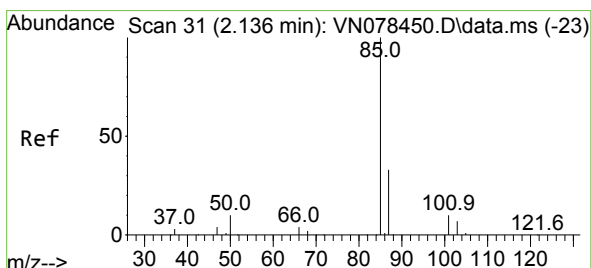
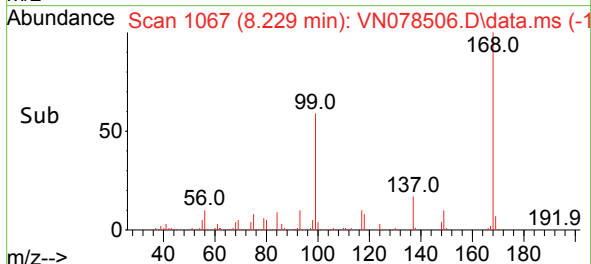
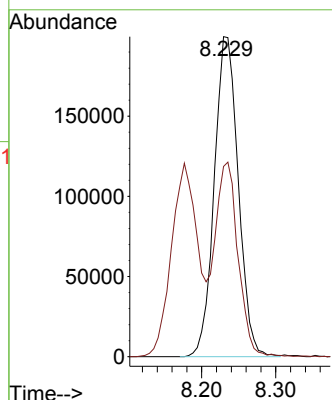
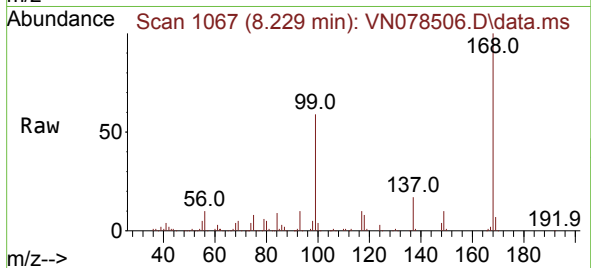
VSTDCCC050EC

Tgt Ion:168 Resp: 448956

Ion Ratio Lower Upper

168 100

99 59.1 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 44.350 ug/l

RT: 2.136 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN078506.D

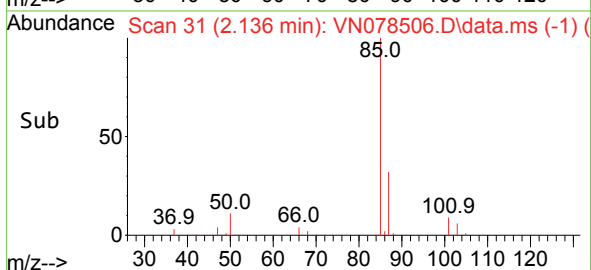
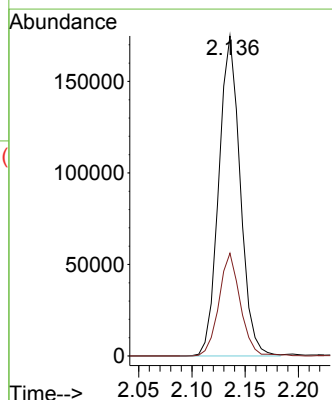
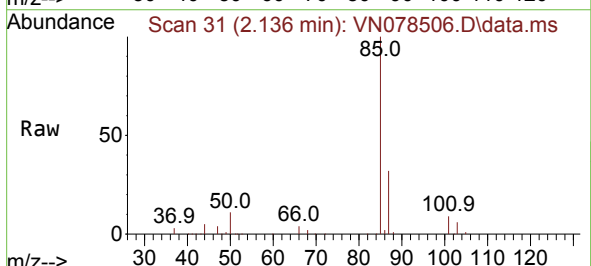
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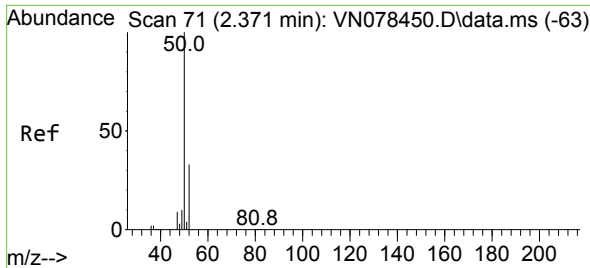
Tgt Ion: 85 Resp: 244125

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.4

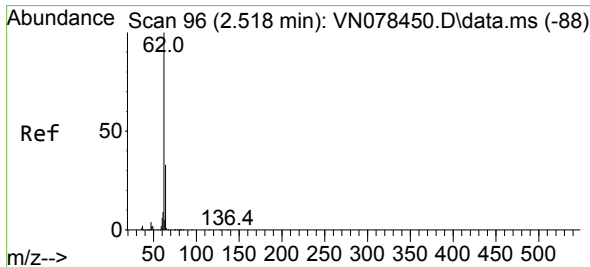
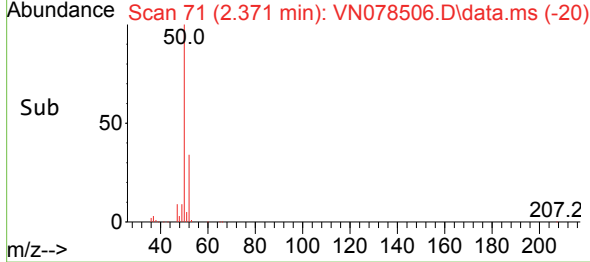
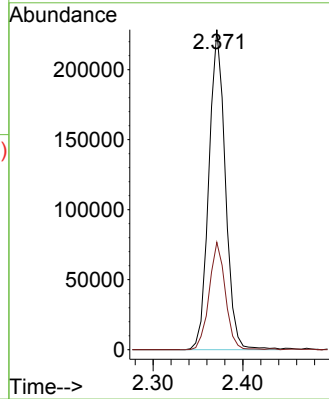
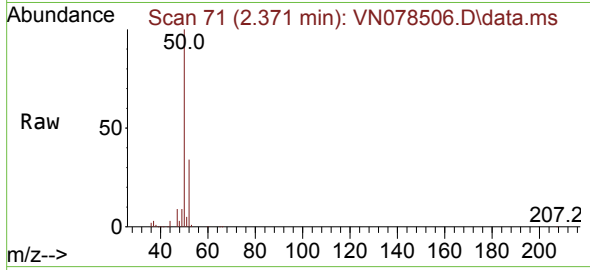




#3  
Chloromethane  
Concen: 48.641 ug/l  
RT: 2.371 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

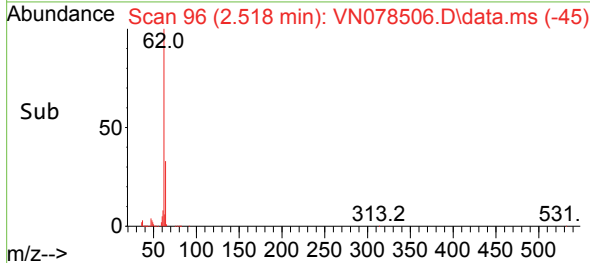
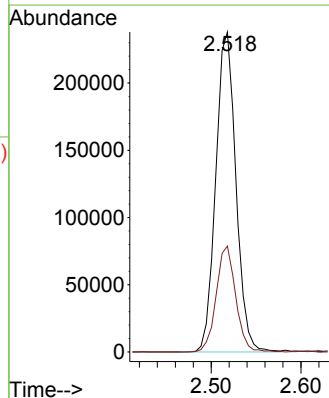
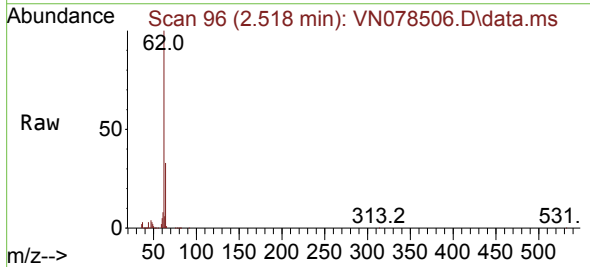
Instrument :  
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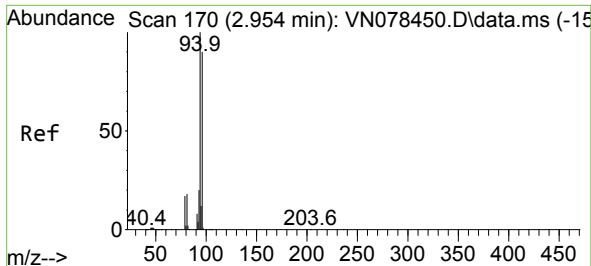
Tgt Ion: 50 Resp: 291010  
Ion Ratio Lower Upper  
50 100  
52 33.6 26.5 39.7



#4  
Vinyl Chloride  
Concen: 47.892 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 62 Resp: 370657  
Ion Ratio Lower Upper  
62 100  
64 33.1 26.2 39.2

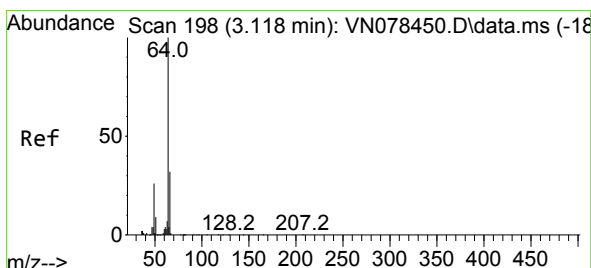
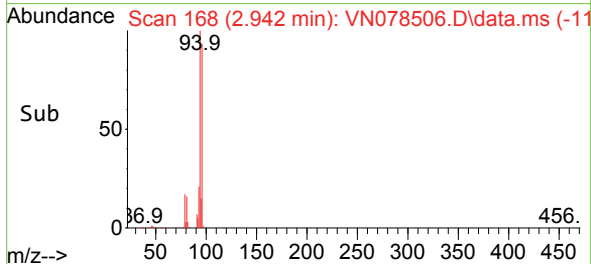
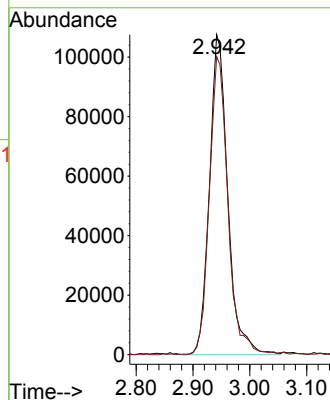
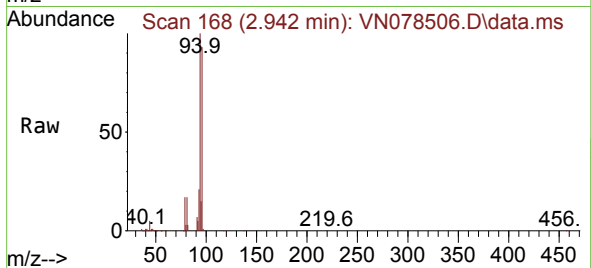




#5  
Bromomethane  
Concen: 48.958 ug/l  
RT: 2.942 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

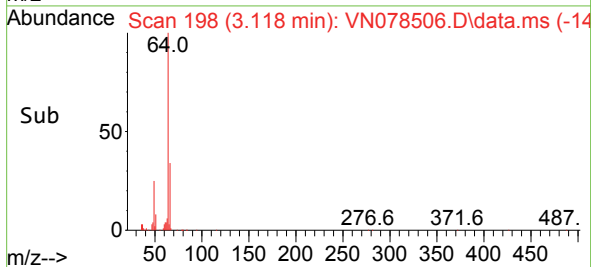
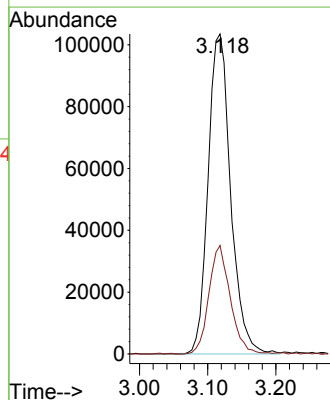
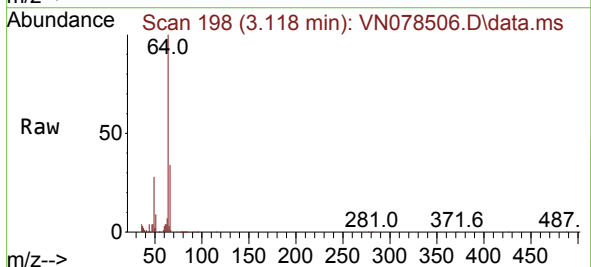
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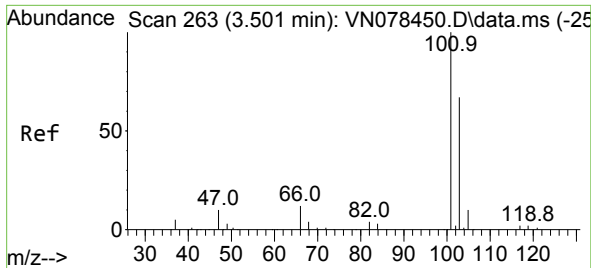
Tgt Ion: 94 Resp: 240169  
Ion Ratio Lower Upper  
94 100  
96 92.9 73.1 109.7



#6  
Chloroethane  
Concen: 50.946 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 64 Resp: 238345  
Ion Ratio Lower Upper  
64 100  
66 33.9 25.4 38.2

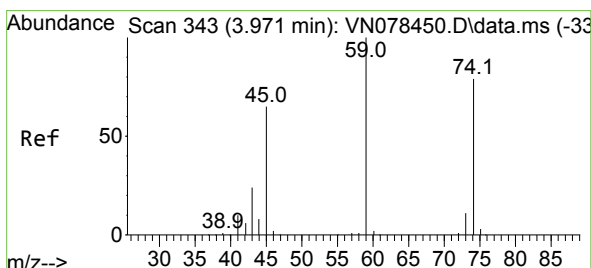
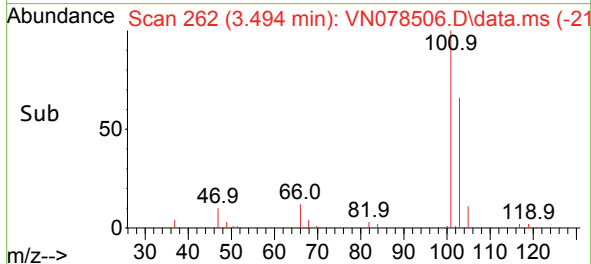
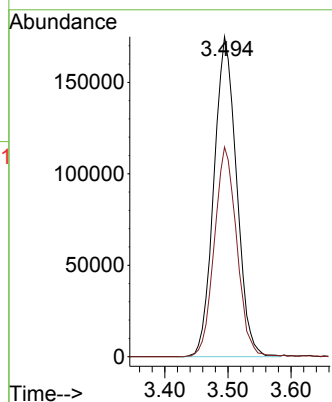
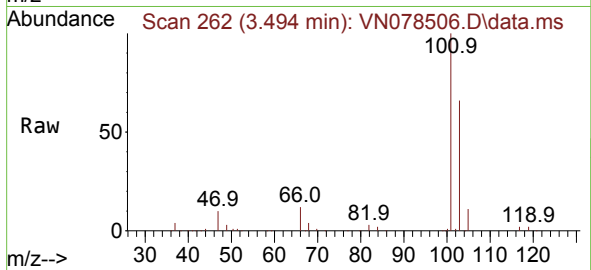




#7  
Trichlorofluoromethane  
Concen: 47.179 ug/l  
RT: 3.494 min Scan# 262  
Delta R.T. -0.007 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

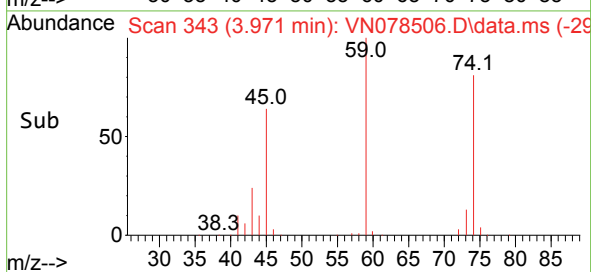
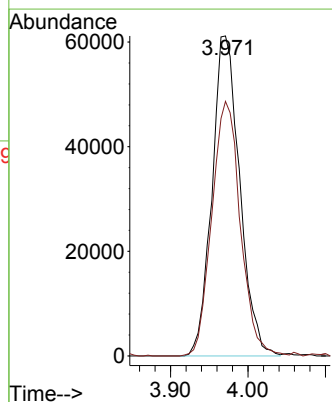
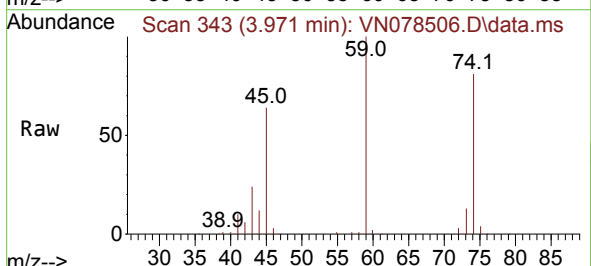
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

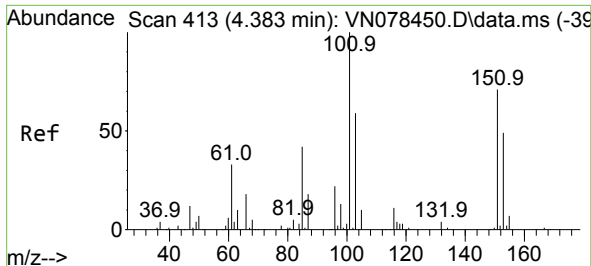
Tgt Ion:101 Resp: 436477  
Ion Ratio Lower Upper  
101 100  
103 65.5 50.7 76.1



#8  
Diethyl Ether  
Concen: 49.311 ug/l  
RT: 3.971 min Scan# 343  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 74 Resp: 151995  
Ion Ratio Lower Upper  
74 100  
45 81.9 34.4 103.3

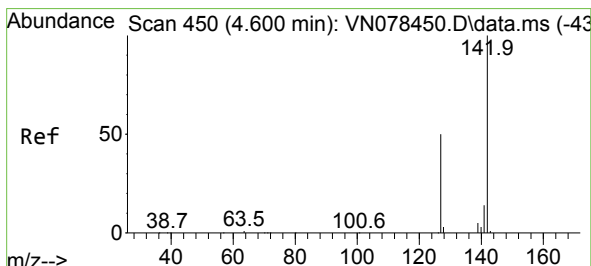
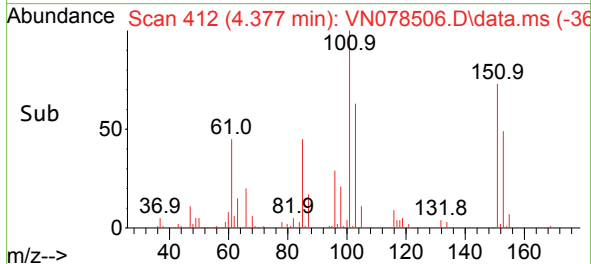
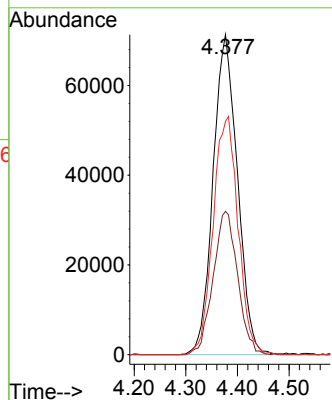
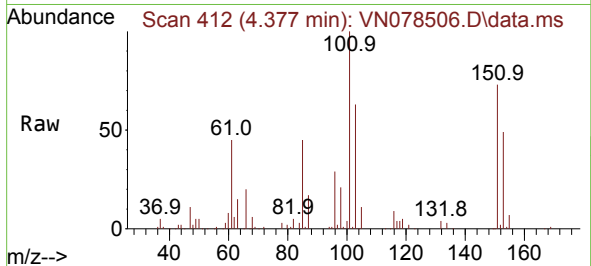




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 47.666 ug/l  
RT: 4.377 min Scan# 413  
Delta R.T. -0.006 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

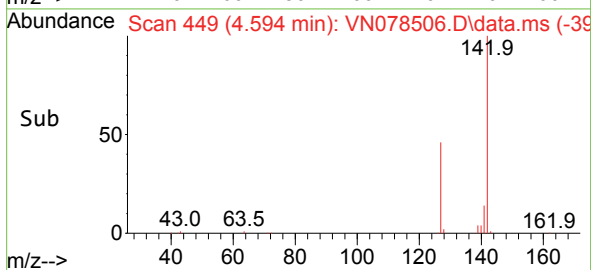
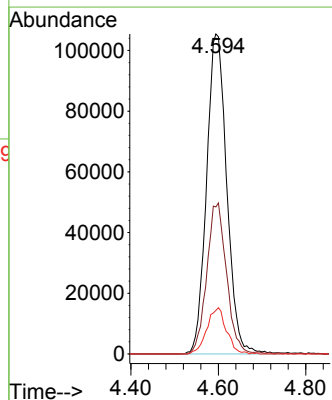
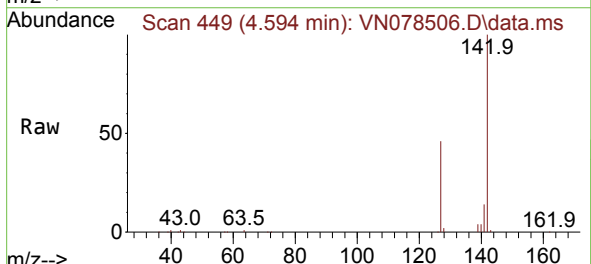
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

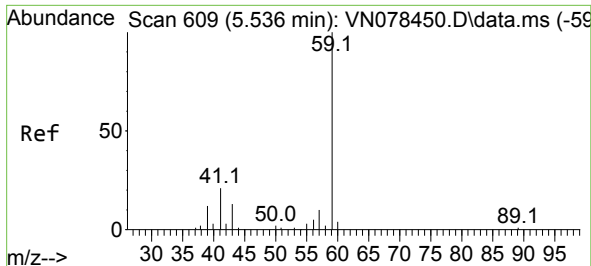
Tgt Ion:101 Resp: 233439  
Ion Ratio Lower Upper  
101 100  
85 45.1 36.6 55.0  
151 76.4 57.6 86.4



#10  
Methyl Iodide  
Concen: 50.348 ug/l  
RT: 4.594 min Scan# 449  
Delta R.T. -0.006 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion:142 Resp: 338830  
Ion Ratio Lower Upper  
142 100  
127 46.0 37.6 56.4  
141 13.6 11.4 17.0

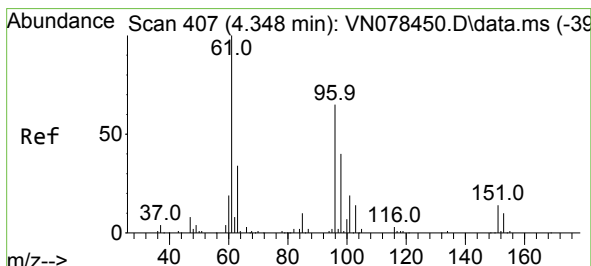
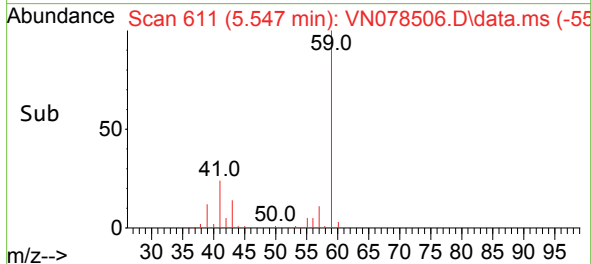
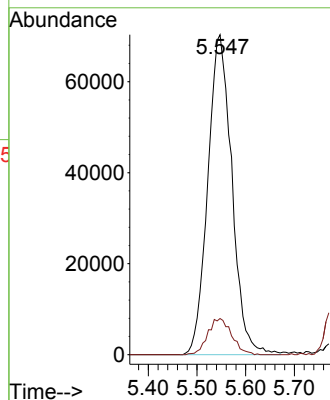
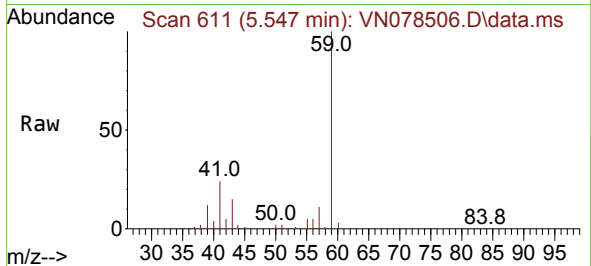




#11  
Tert butyl alcohol  
Concen: 259.911 ug/l  
RT: 5.547 min Scan# 611  
Delta R.T. 0.011 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

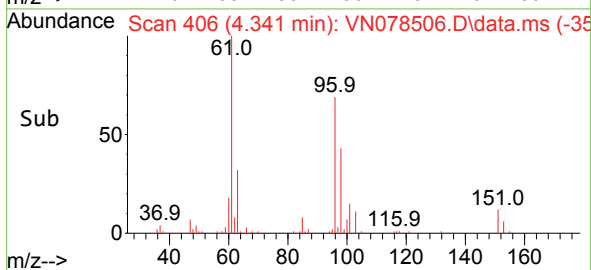
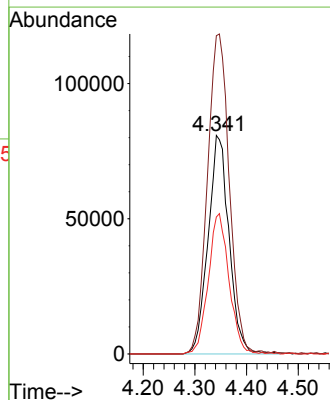
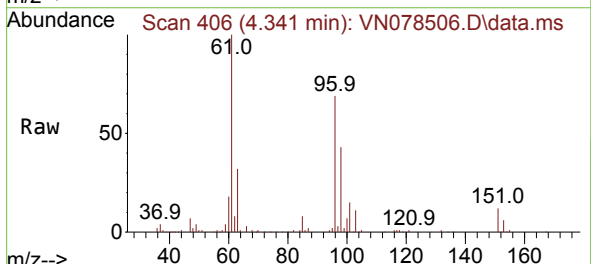
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

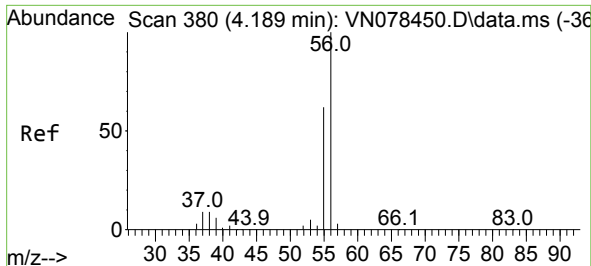
Tgt Ion: 59 Resp: 241225  
Ion Ratio Lower Upper  
59 100  
57 11.2 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 47.958 ug/l  
RT: 4.341 min Scan# 406  
Delta R.T. -0.007 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 96 Resp: 227190  
Ion Ratio Lower Upper  
96 100  
61 145.6 112.7 169.1  
98 62.7 51.2 76.8

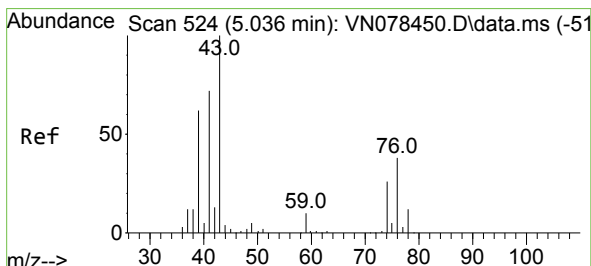
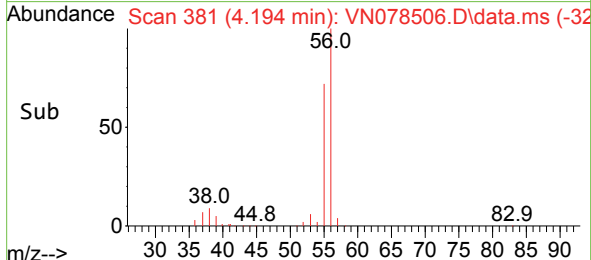
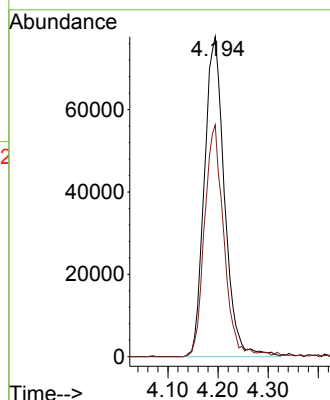
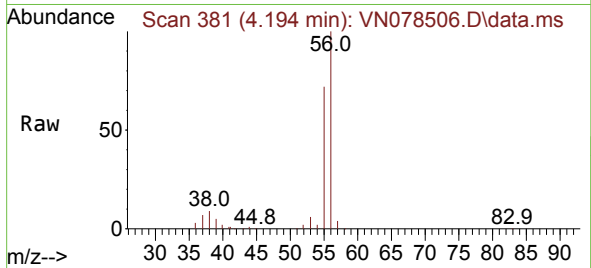




#13  
Acrolein  
Concen: 237.277 ug/l  
RT: 4.194 min Scan# 380  
Delta R.T. 0.005 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

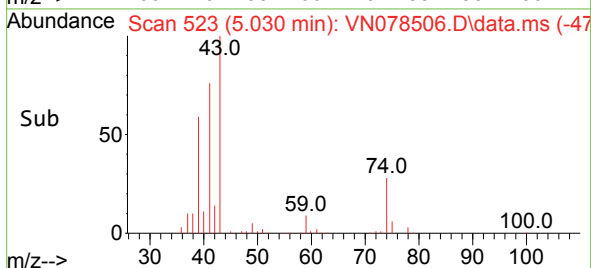
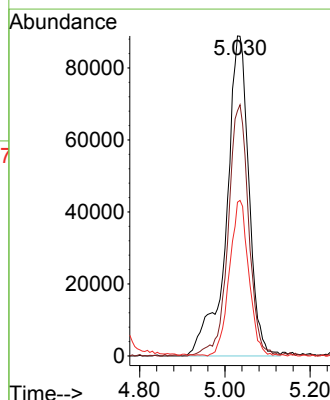
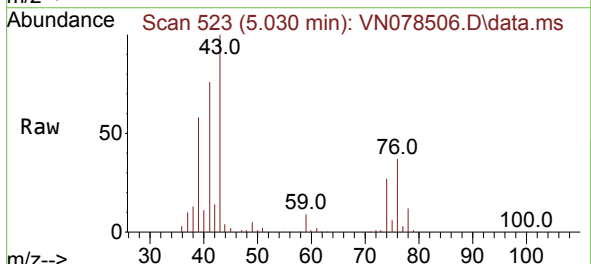
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

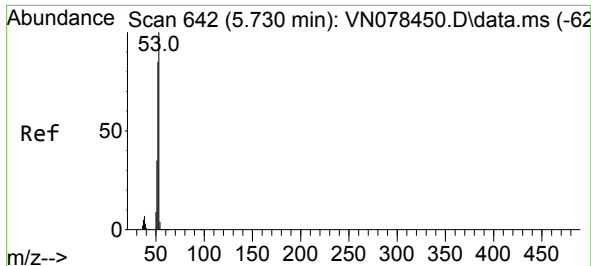
Tgt Ion: 56 Resp: 216665  
Ion Ratio Lower Upper  
56 100  
55 69.0 54.5 81.7



#14  
Allyl chloride  
Concen: 50.421 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. -0.006 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 41 Resp: 326388  
Ion Ratio Lower Upper  
41 100  
39 71.5 58.8 88.2  
76 41.8 39.1 58.7

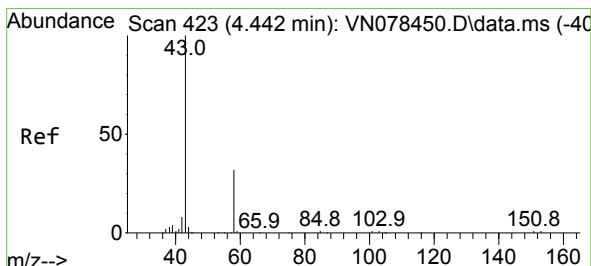
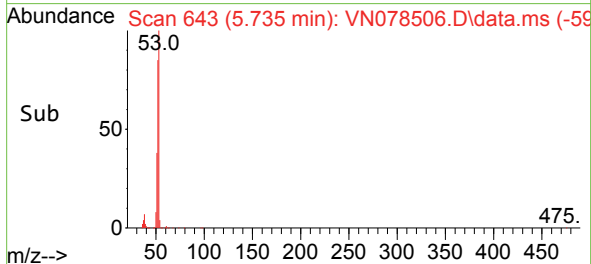
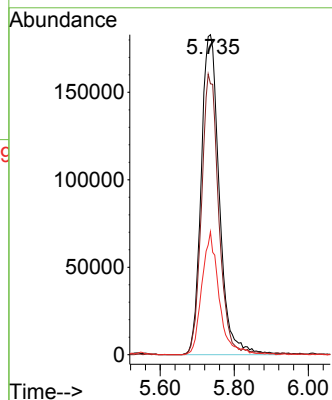
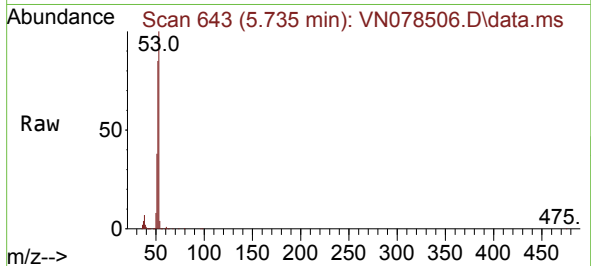




#15  
Acrylonitrile  
Concen: 265.488 ug/l  
RT: 5.735 min Scan# 642  
Delta R.T. 0.005 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

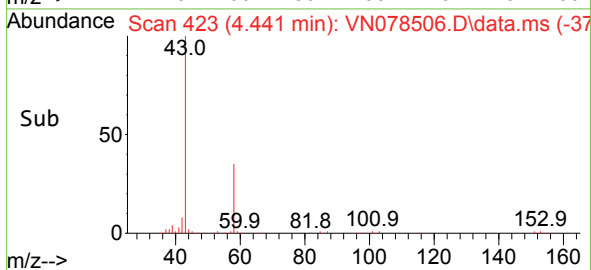
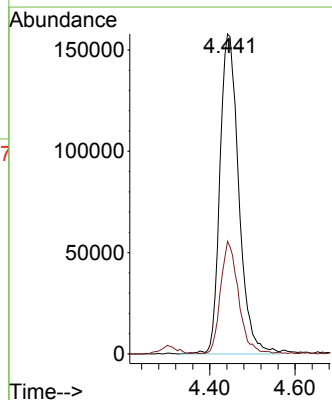
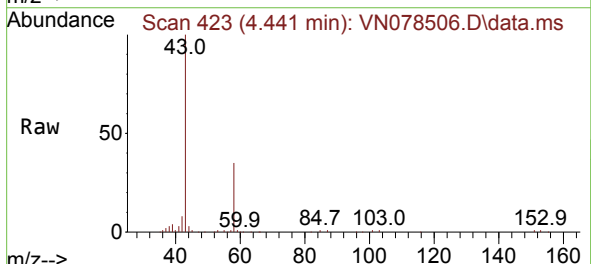
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

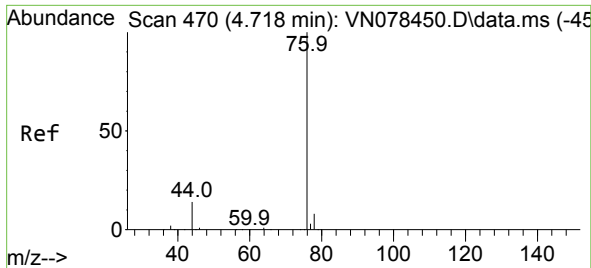
Tgt Ion: 53 Resp: 622561  
Ion Ratio Lower Upper  
53 100  
52 82.0 65.3 97.9  
51 36.3 28.9 43.3



#16  
Acetone  
Concen: 258.824 ug/l  
RT: 4.441 min Scan# 423  
Delta R.T. -0.001 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 43 Resp: 485253  
Ion Ratio Lower Upper  
43 100  
58 34.7 28.0 42.0

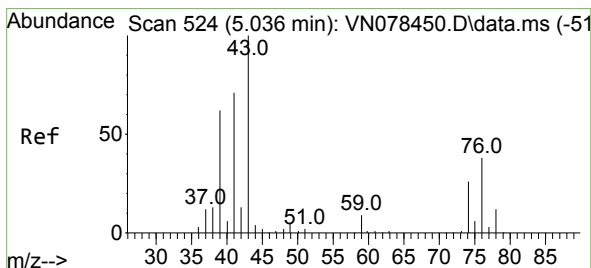
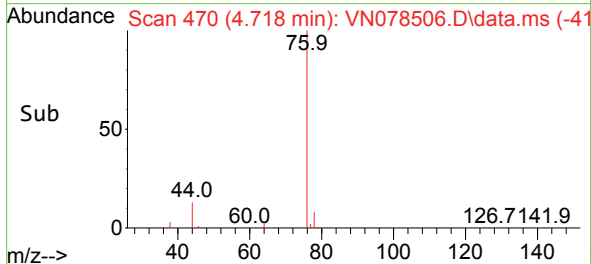
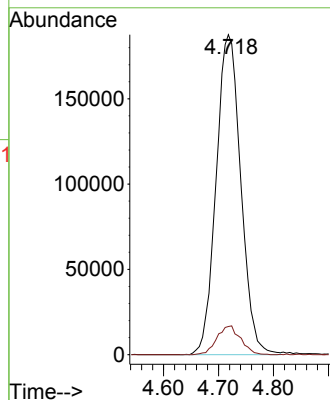
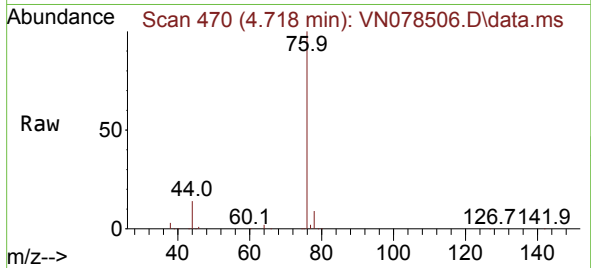




#17  
Carbon Disulfide  
Concen: 42.640 ug/l  
RT: 4.718 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

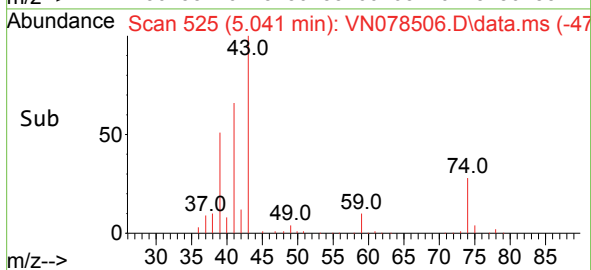
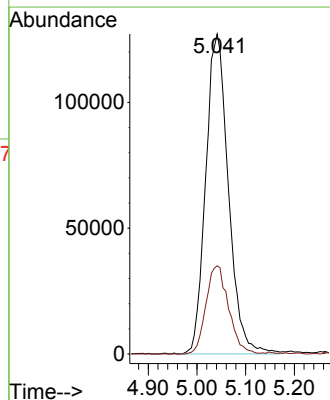
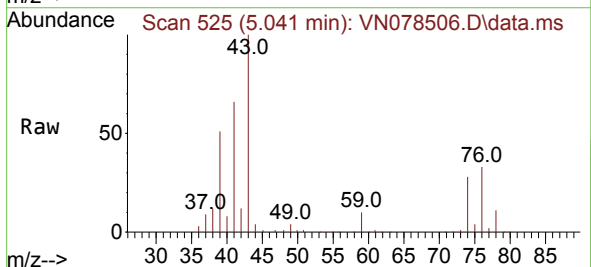
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

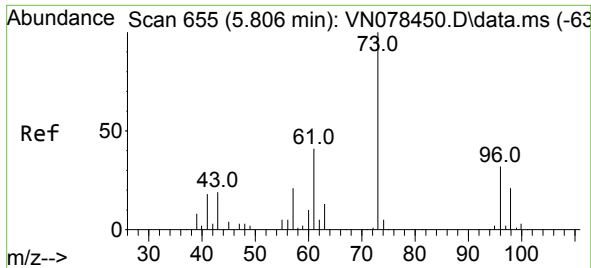
Tgt Ion: 76 Resp: 584110  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.4 11.0



#18  
Methyl Acetate  
Concen: 51.811 ug/l  
RT: 5.041 min Scan# 525  
Delta R.T. 0.005 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 43 Resp: 411204  
Ion Ratio Lower Upper  
43 100  
74 27.4 26.2 39.4

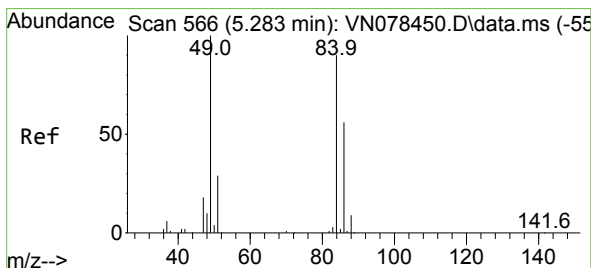
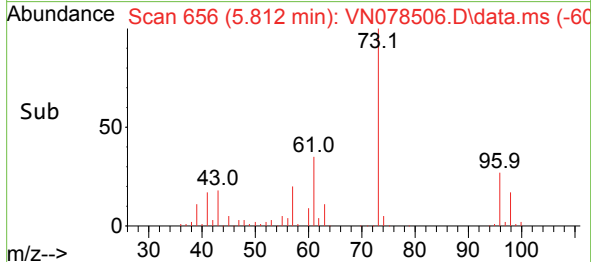
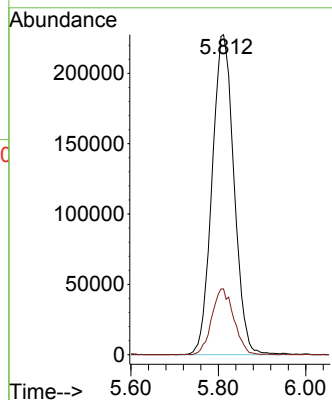
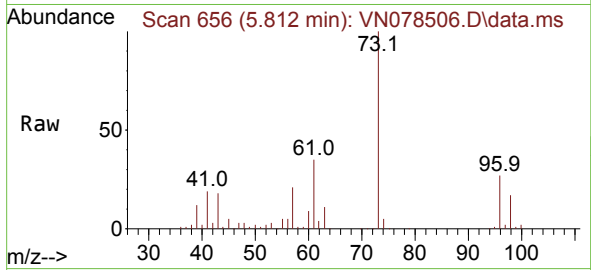




#19  
Methyl tert-butyl Ether  
Concen: 50.694 ug/l  
RT: 5.812 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

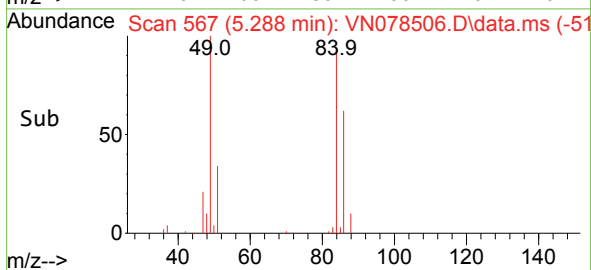
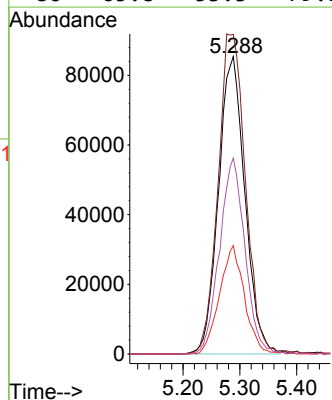
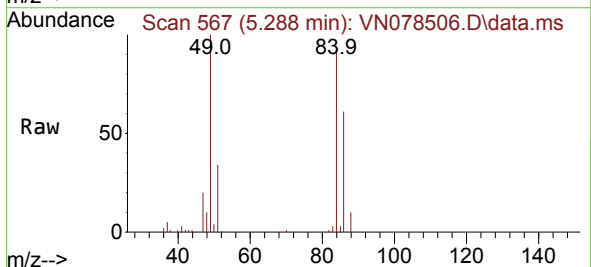
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

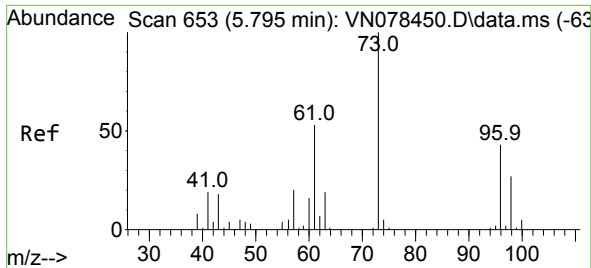
Tgt Ion: 73 Resp: 791258  
Ion Ratio Lower Upper  
73 100  
57 20.5 15.6 23.4



#20  
Methylene Chloride  
Concen: 51.231 ug/l  
RT: 5.288 min Scan# 567  
Delta R.T. 0.005 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 84 Resp: 275345  
Ion Ratio Lower Upper  
84 100  
49 107.4 79.7 119.5  
51 36.4 25.2 37.8  
86 65.8 53.3 79.9

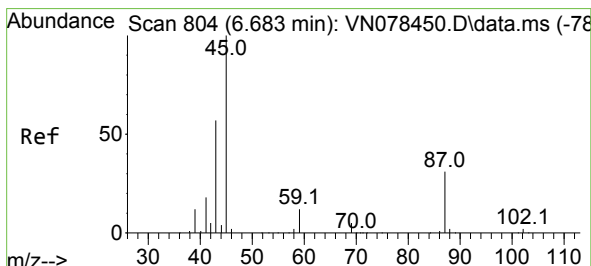
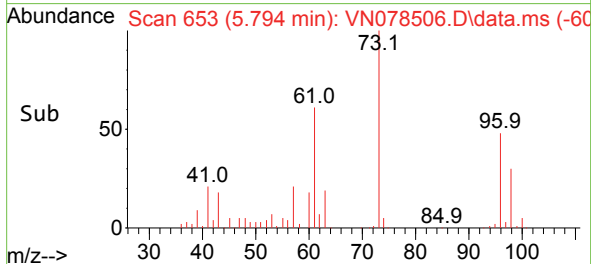
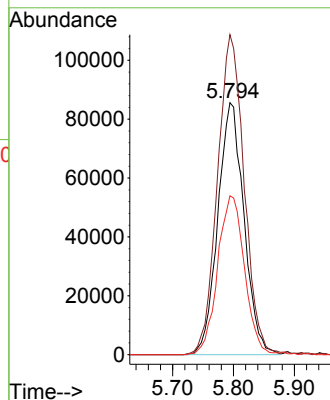
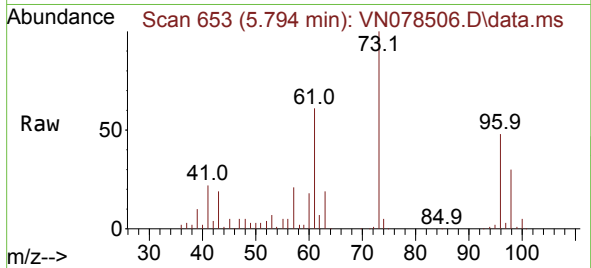




#21  
trans-1,2-Dichloroethene  
Concen: 47.780 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

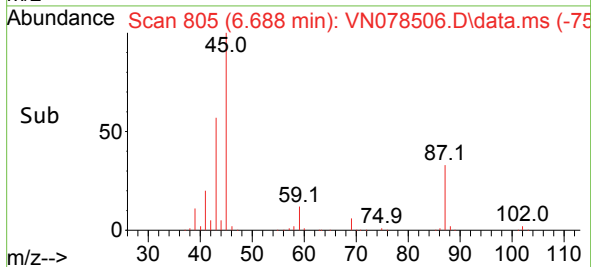
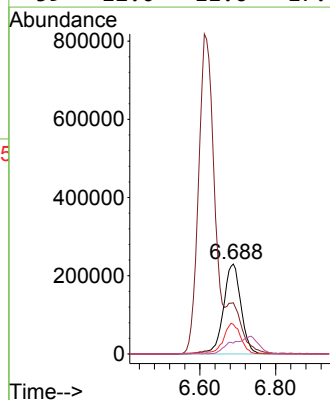
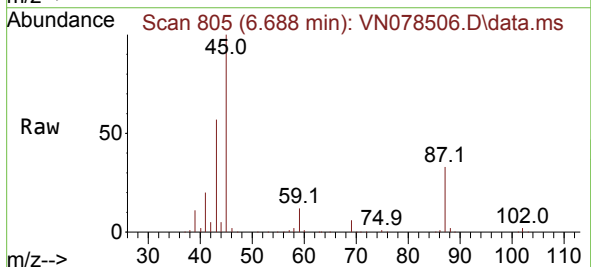
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

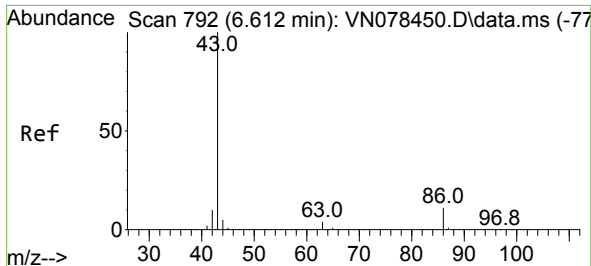
Tgt Ion: 96 Resp: 255067  
Ion Ratio Lower Upper  
96 100  
61 127.0 90.1 135.1  
98 63.0 46.4 69.6



#22  
Diisopropyl ether  
Concen: 51.046 ug/l  
RT: 6.688 min Scan# 805  
Delta R.T. 0.005 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 45 Resp: 739885  
Ion Ratio Lower Upper  
45 100  
43 56.7 45.5 68.3  
87 32.9 31.8 47.8  
59 12.0 11.6 17.4

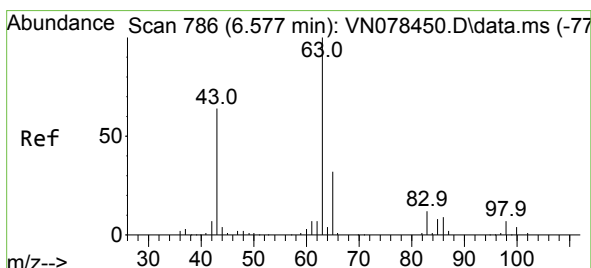
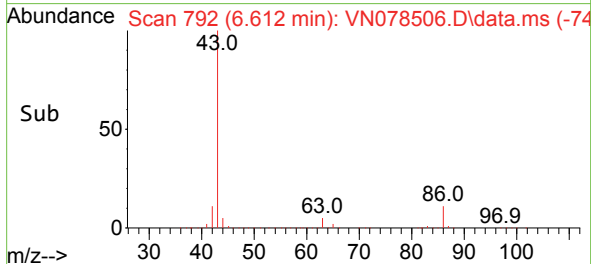
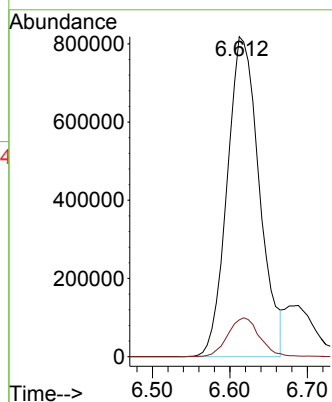
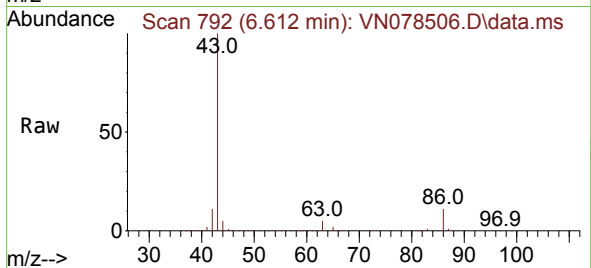




#23  
 Vinyl Acetate  
 Concen: 256.430 ug/l  
 RT: 6.612 min Scan# 792  
 Delta R.T. -0.000 min  
 Lab File: VN078506.D  
 Acq: 13 Jul 2023 19:05

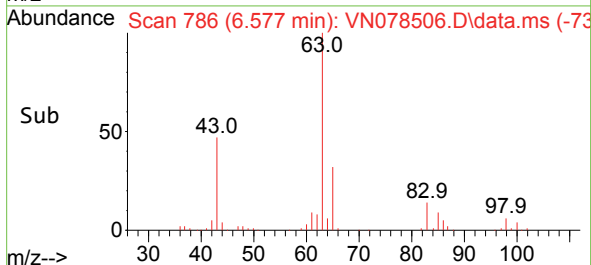
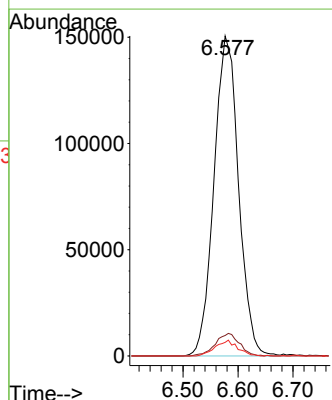
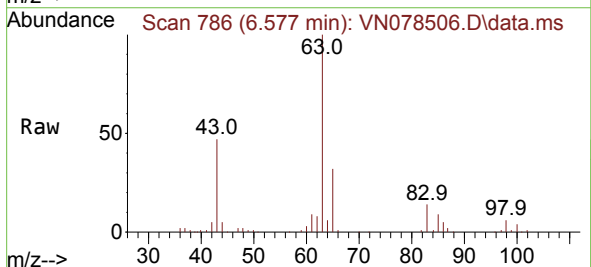
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

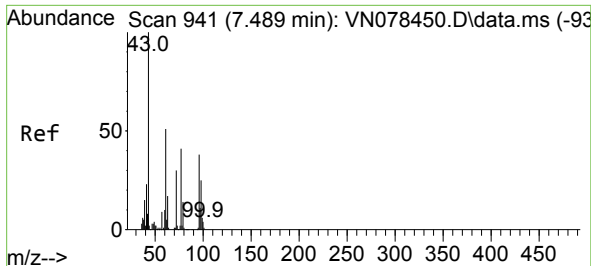
Tgt Ion: 43 Resp: 2362924  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 13.0 19.6#



#24  
 1,1-Dichloroethane  
 Concen: 47.880 ug/l  
 RT: 6.577 min Scan# 786  
 Delta R.T. -0.000 min  
 Lab File: VN078506.D  
 Acq: 13 Jul 2023 19:05

Tgt Ion: 63 Resp: 467634  
 Ion Ratio Lower Upper  
 63 100  
 98 6.4 3.9 11.7  
 100 4.3 2.5 7.4

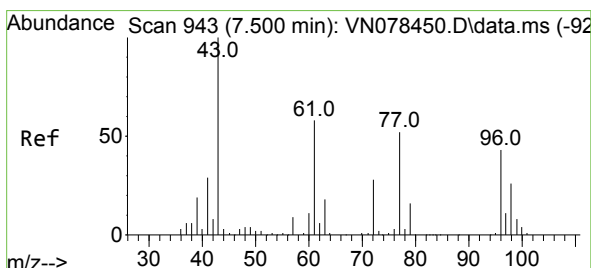
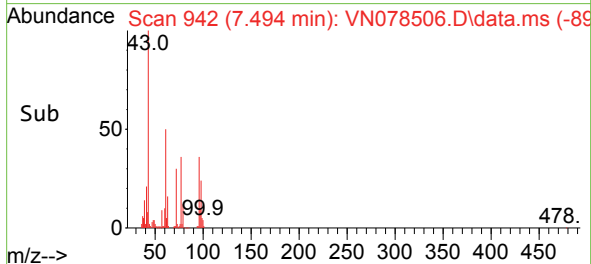
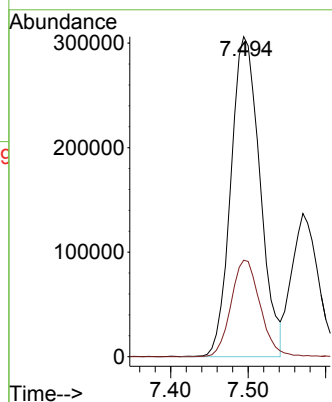
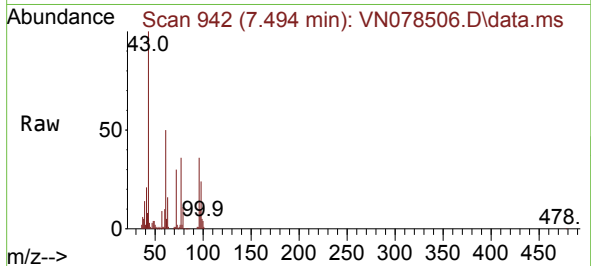




#25  
2-Butanone  
Concen: 271.581 ug/l  
RT: 7.494 min Scan# 941  
Delta R.T. 0.005 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

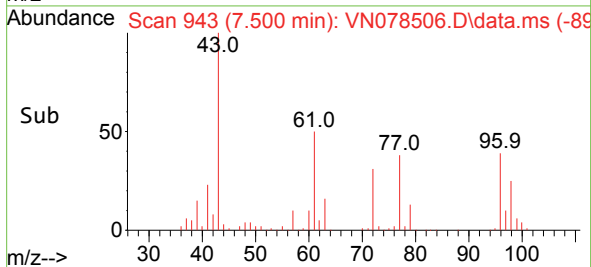
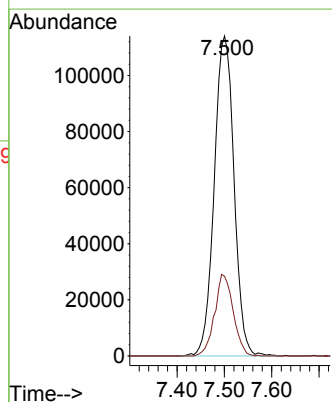
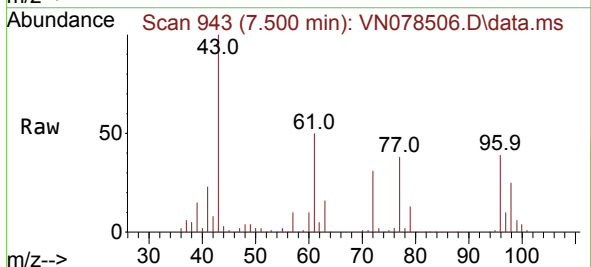
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

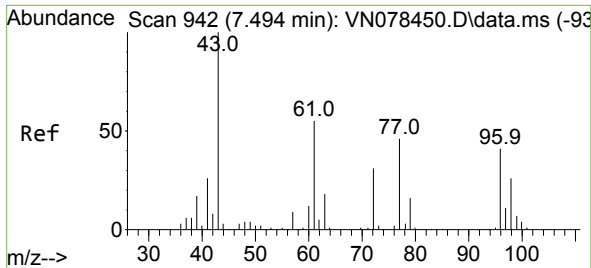
Tgt Ion: 43 Resp: 801502  
Ion Ratio Lower Upper  
43 100  
72 30.1 30.2 45.2#



#26  
2,2-Dichloropropane  
Concen: 41.381 ug/l  
RT: 7.500 min Scan# 943  
Delta R.T. 0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 77 Resp: 330559  
Ion Ratio Lower Upper  
77 100  
97 23.9 11.2 33.6



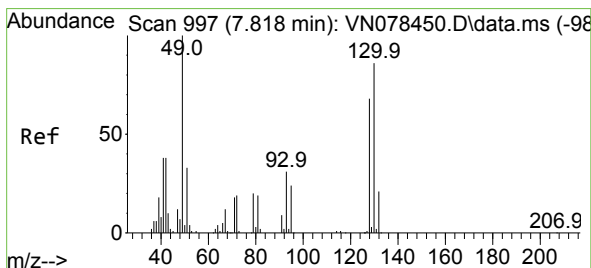
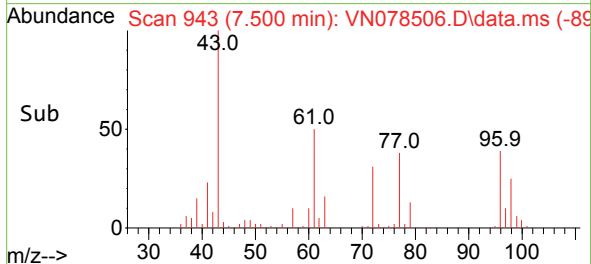
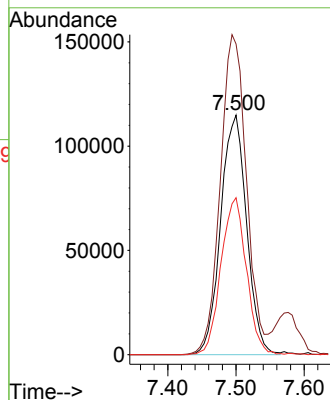
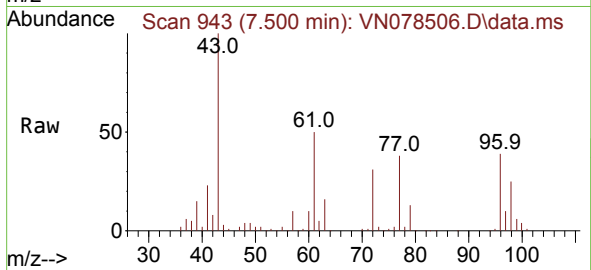


#27  
 cis-1,2-Dichloroethene  
 Concen: 49.326 ug/l  
 RT: 7.500 min Scan# 942  
 Delta R.T. 0.006 min  
 Lab File: VN078506.D  
 Acq: 13 Jul 2023 19:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 96 Resp: 304617  

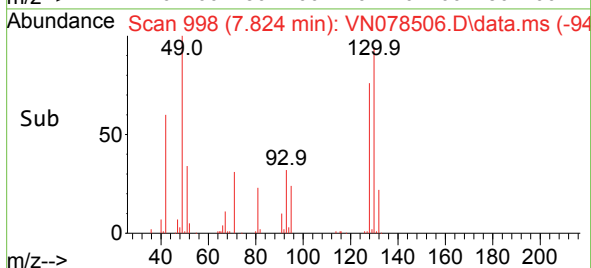
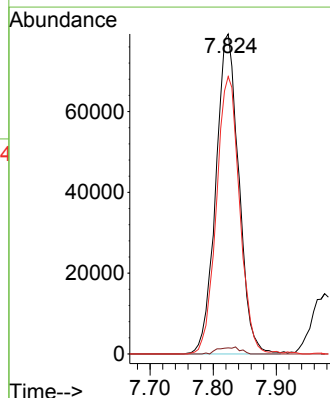
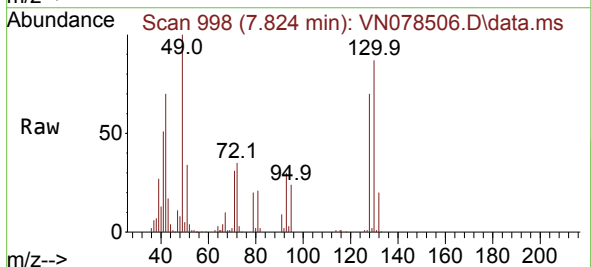
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 135.1 | 0.0   | 255.2 |
| 98  | 64.1  | 0.0   | 128.8 |

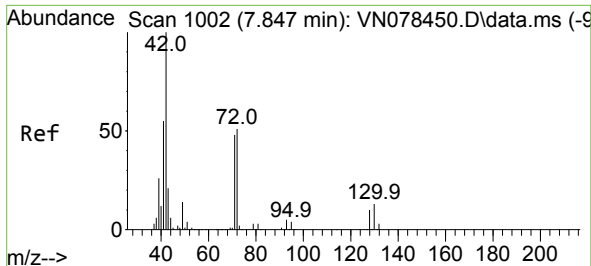


#28  
 Bromochloromethane  
 Concen: 43.560 ug/l  
 RT: 7.824 min Scan# 998  
 Delta R.T. 0.006 min  
 Lab File: VN078506.D  
 Acq: 13 Jul 2023 19:05

Tgt Ion: 49 Resp: 200388  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.1   | 0.0   | 4.8   |
| 130 | 87.0  | 75.3  | 112.9 |





#29

Tetrahydrofuran

Concen: 269.705 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

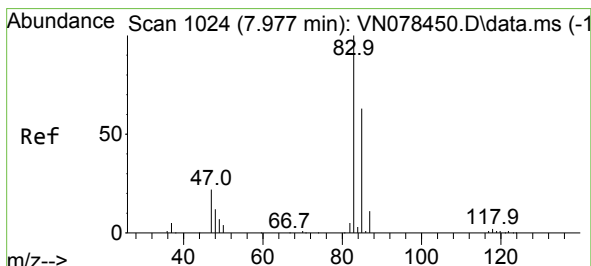
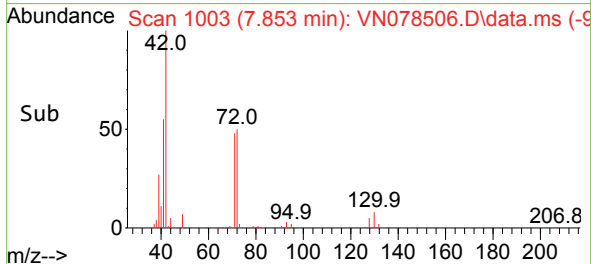
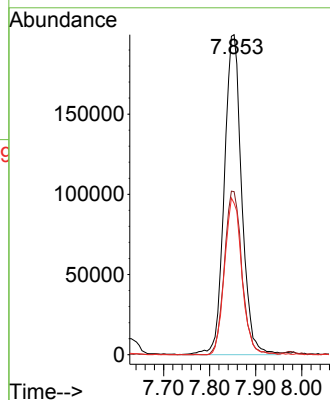
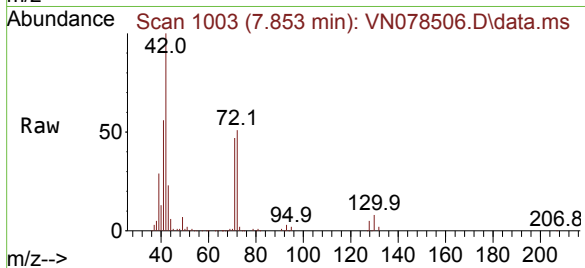
Tgt Ion: 42 Resp: 522286

Ion Ratio Lower Upper

42 100

72 51.4 49.8 74.6

71 48.6 47.4 71.2



#30

Chloroform

Concen: 51.596 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.006 min

Lab File: VN078506.D

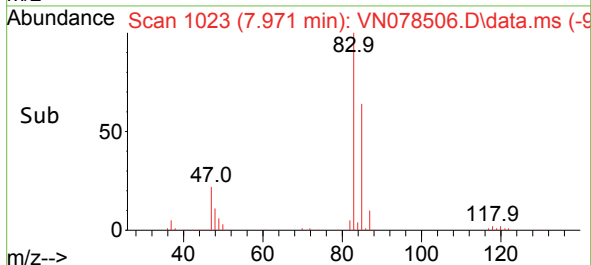
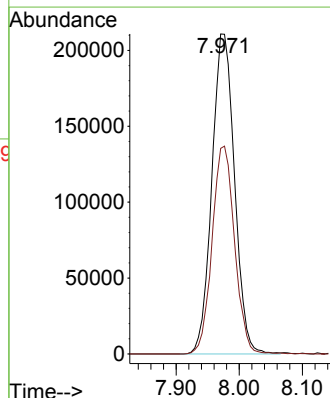
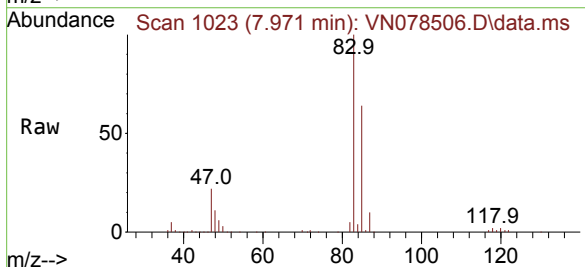
Acq: 13 Jul 2023 19:05

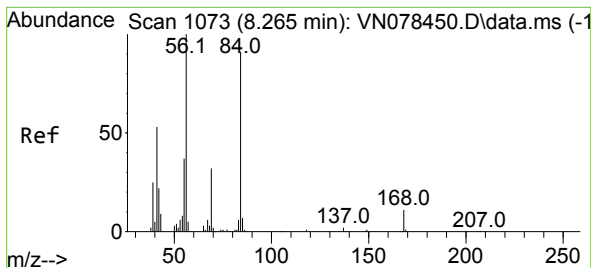
Tgt Ion: 83 Resp: 524648

Ion Ratio Lower Upper

83 100

85 64.3 55.4 83.0

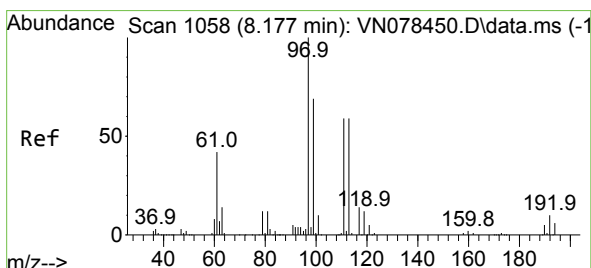
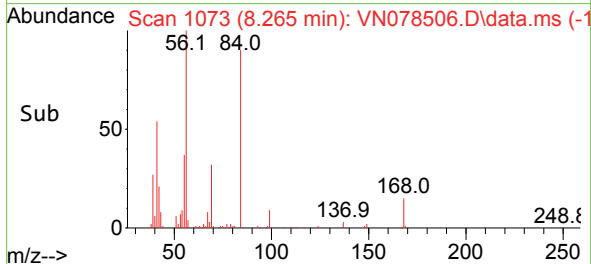
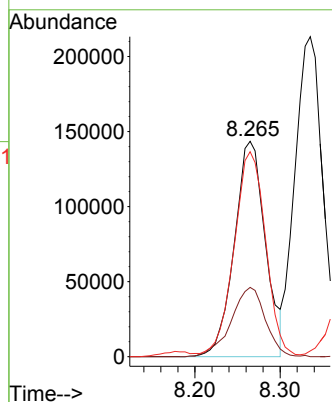
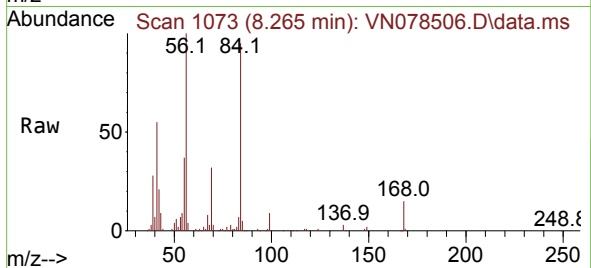




#31  
Cyclohexane  
Concen: 44.630 ug/l  
RT: 8.265 min Scan# 1073  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

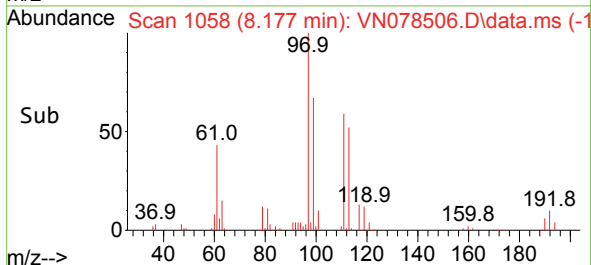
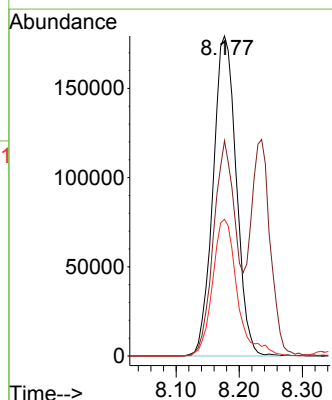
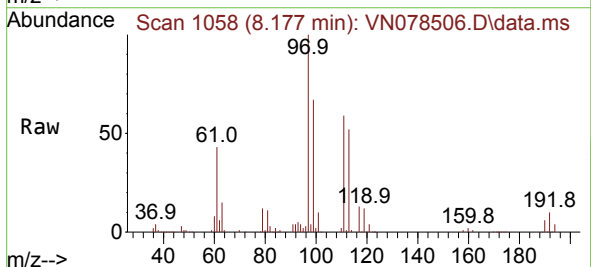
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

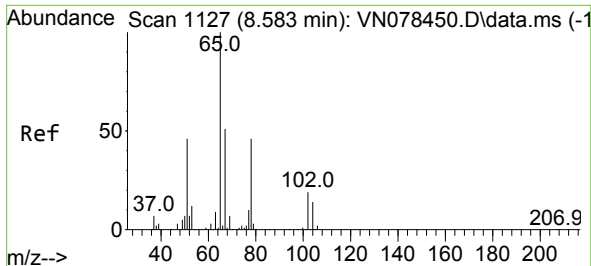
Tgt Ion: 56 Resp: 363020  
Ion Ratio Lower Upper  
56 100  
69 32.2 26.8 40.2  
84 92.9 81.8 122.6



#32  
1,1,1-Trichloroethane  
Concen: 50.296 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 97 Resp: 458525  
Ion Ratio Lower Upper  
97 100  
99 65.2 50.3 75.5  
61 45.5 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 44.367 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

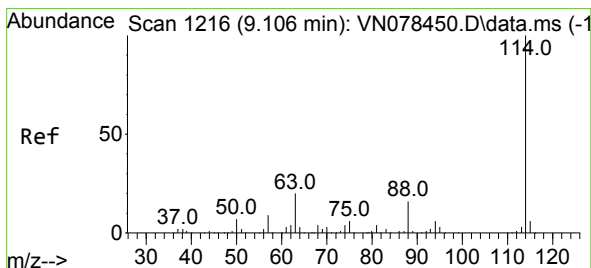
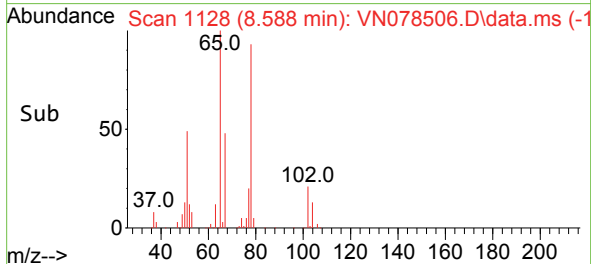
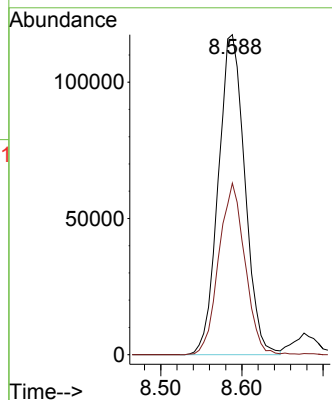
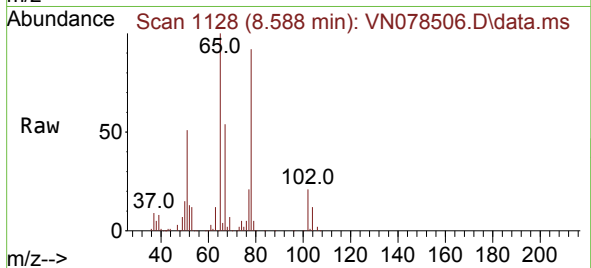
VSTDCCC050EC

Tgt Ion: 65 Resp: 267034

Ion Ratio Lower Upper

65 100

67 52.8 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: VN078506.D

Acq: 13 Jul 2023 19:05

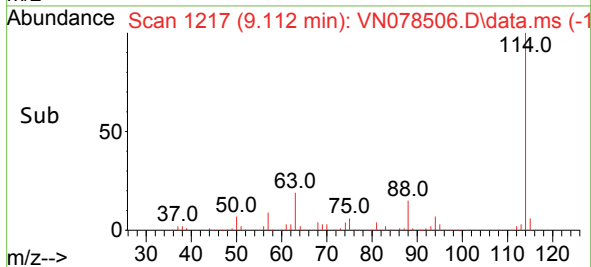
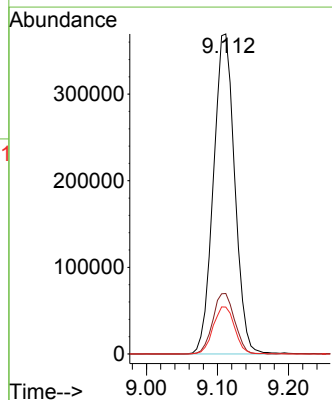
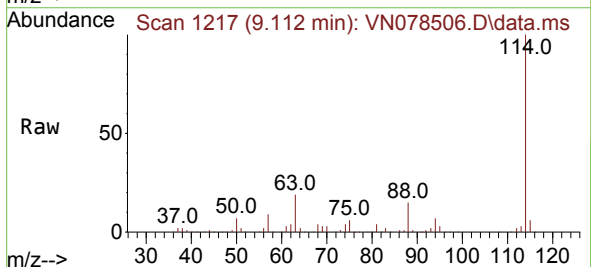
Tgt Ion: 114 Resp: 768405

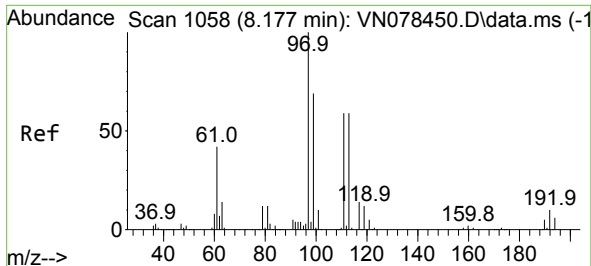
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 14.7 0.0 30.6

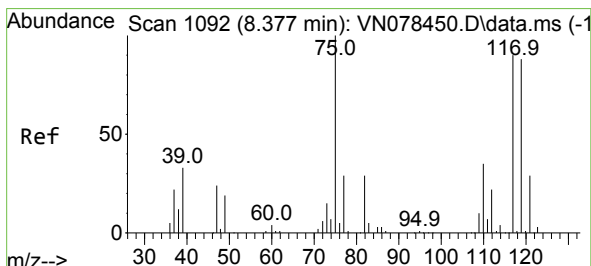
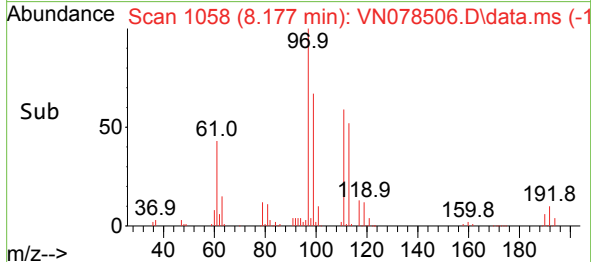
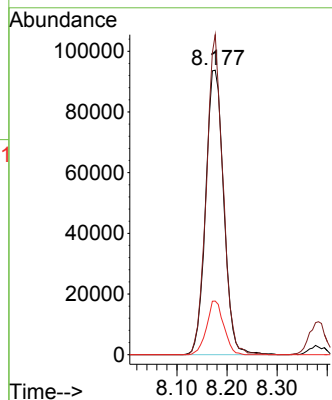
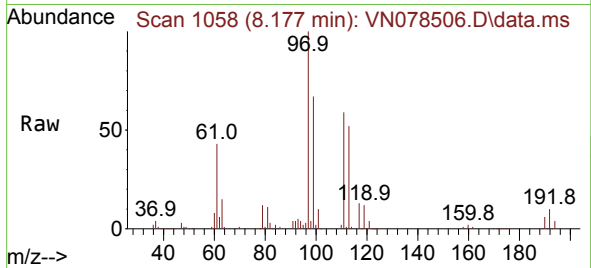




#35  
Dibromofluoromethane  
Concen: 45.011 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

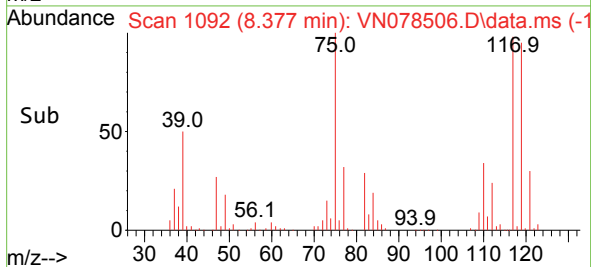
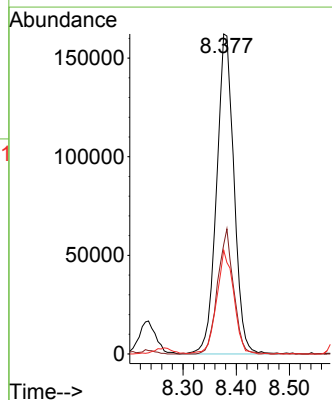
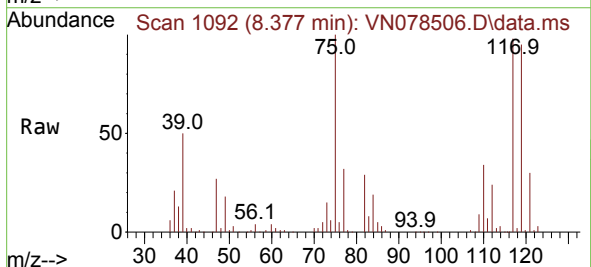
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

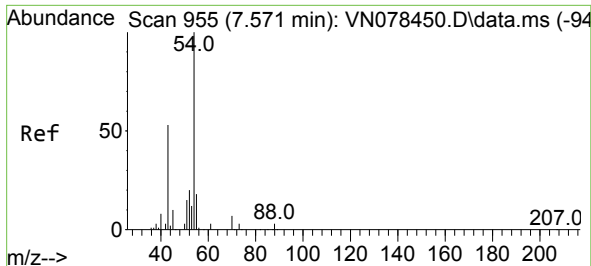
Tgt Ion:113 Resp: 234787  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.6 123.8  
192 17.9 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 48.978 ug/l  
RT: 8.377 min Scan# 1092  
Delta R.T. -0.001 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 75 Resp: 368890  
Ion Ratio Lower Upper  
75 100  
110 36.0 19.1 57.3  
77 31.7 25.0 37.4

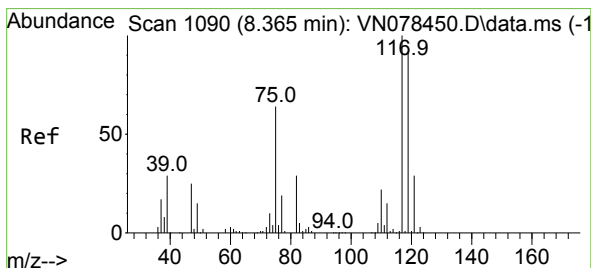
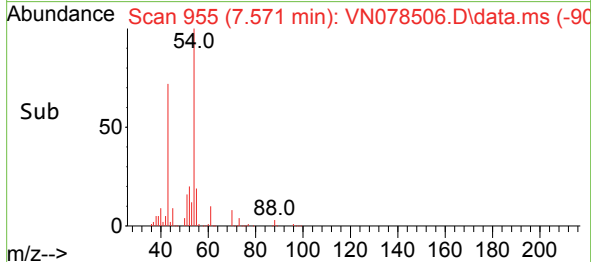
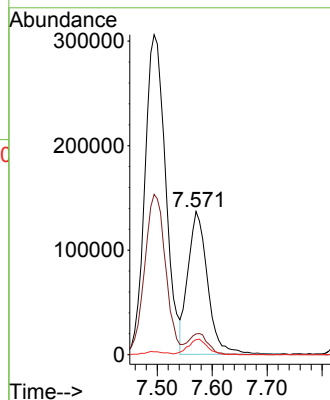
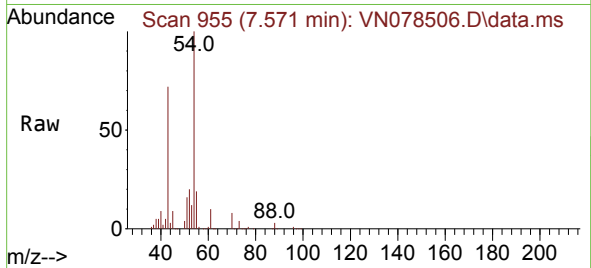




#37  
Ethyl Acetate  
Concen: 53.771 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

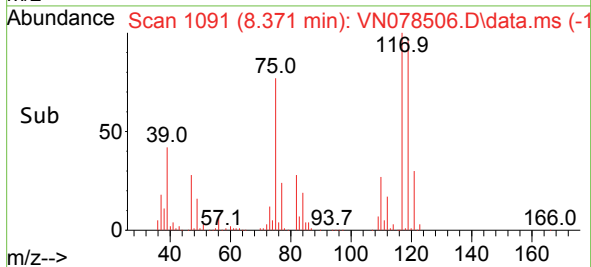
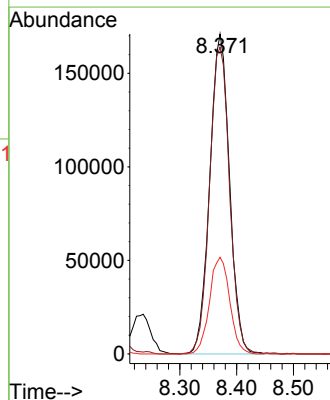
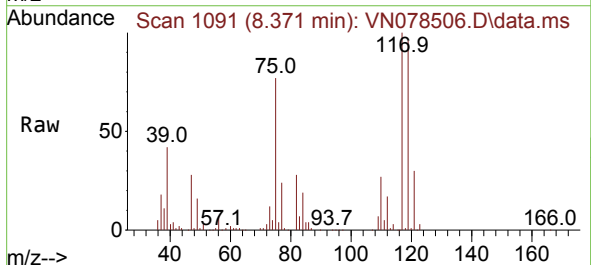
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

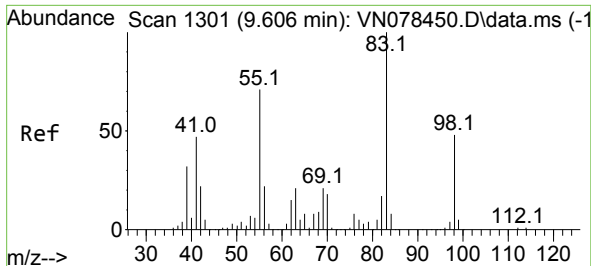
Tgt Ion: 43 Resp: 337600  
Ion Ratio Lower Upper  
43 100  
61 14.8 13.2 19.8  
70 10.7 11.3 16.9#



#38  
Carbon Tetrachloride  
Concen: 50.388 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. 0.006 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 117 Resp: 412462  
Ion Ratio Lower Upper  
117 100  
119 95.9 77.3 115.9  
121 30.2 23.3 34.9





#39

Methylcyclohexane

Concen: 50.177 ug/l

RT: 9.612 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

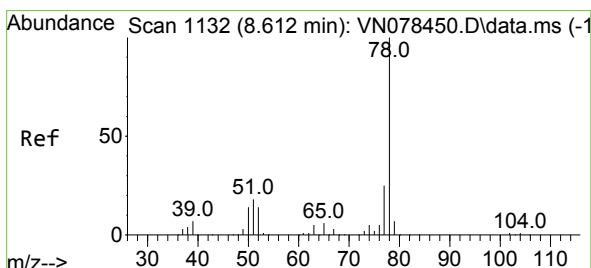
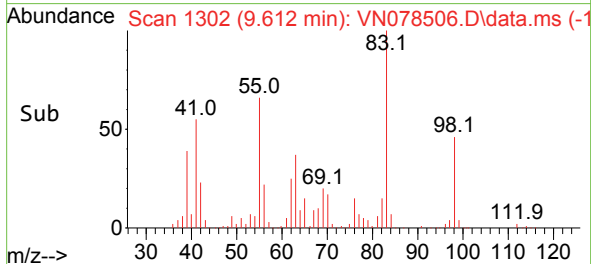
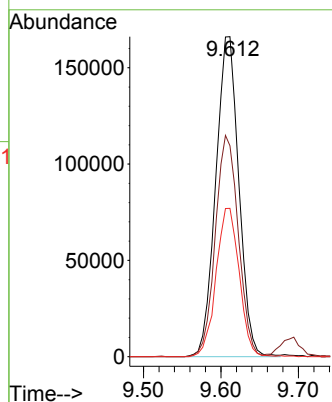
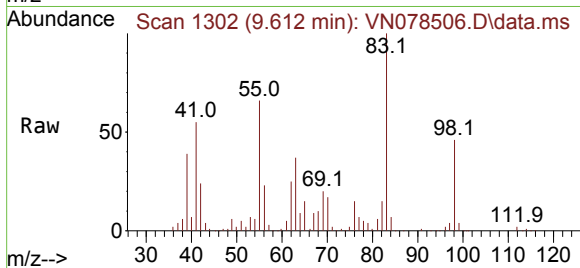
Tgt Ion: 83 Resp: 344958

Ion Ratio Lower Upper

83 100

55 65.9 49.1 73.7

98 46.4 40.6 61.0



#40

Benzene

Concen: 50.631 ug/l

RT: 8.618 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VN078506.D

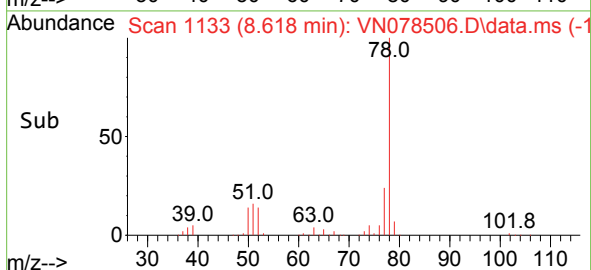
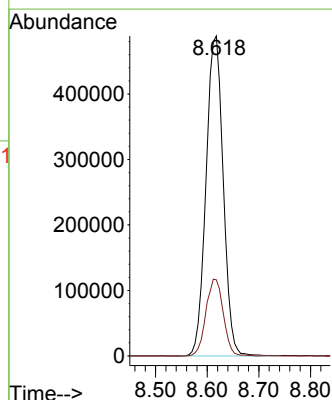
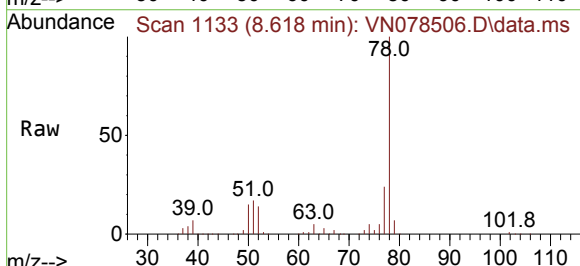
Acq: 13 Jul 2023 19:05

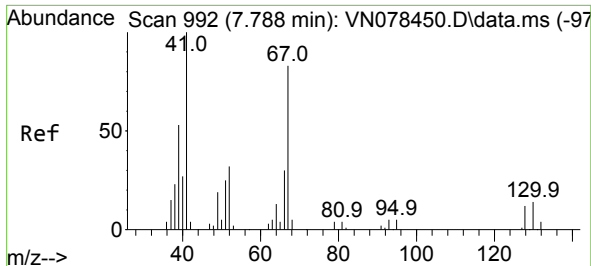
Tgt Ion: 78 Resp: 1129746

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6



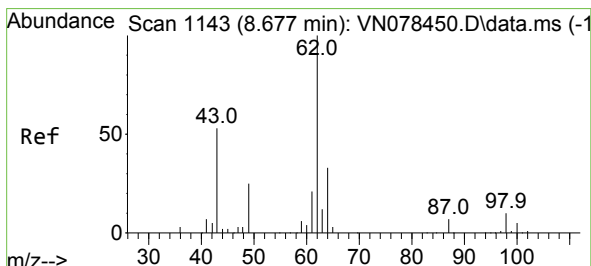
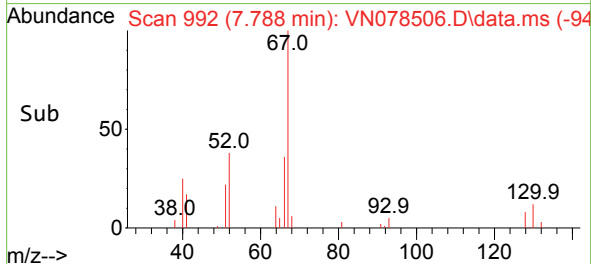
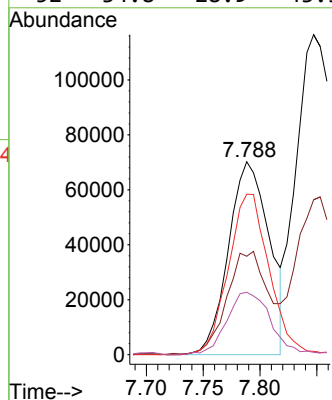
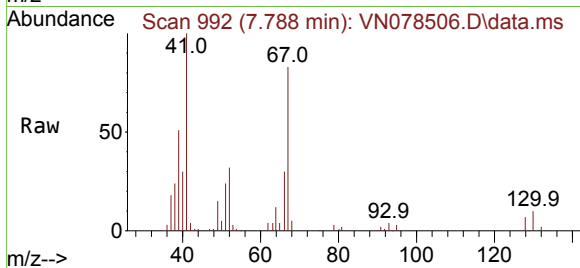


#41  
Methacrylonitrile  
Concen: 54.853 ug/l  
RT: 7.788 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 175570

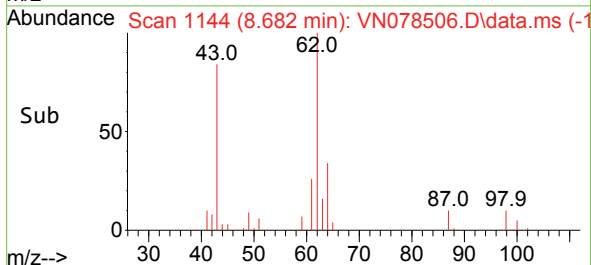
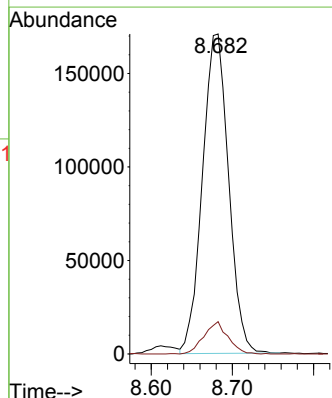
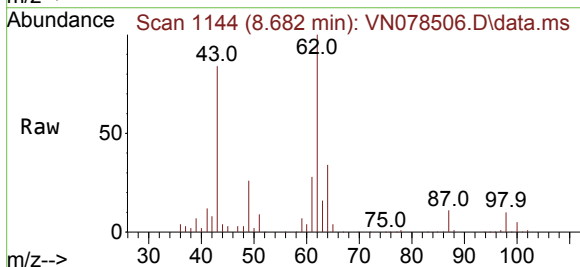
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 51.8  | 42.6  | 64.0  |
| 67  | 83.8  | 77.5  | 116.3 |
| 52  | 34.8  | 28.9  | 43.3  |

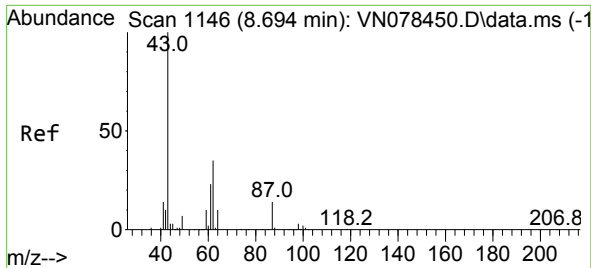


#42  
1,2-Dichloroethane  
Concen: 50.395 ug/l  
RT: 8.682 min Scan# 1144  
Delta R.T. 0.005 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 62 Resp: 382473

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.3   | 0.0   | 19.8  |

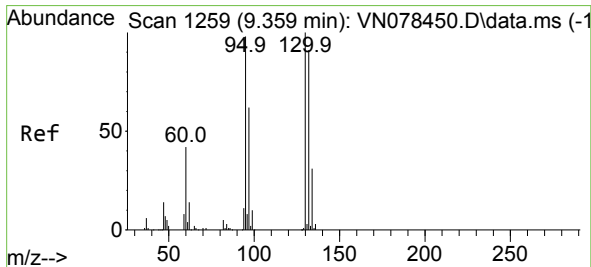
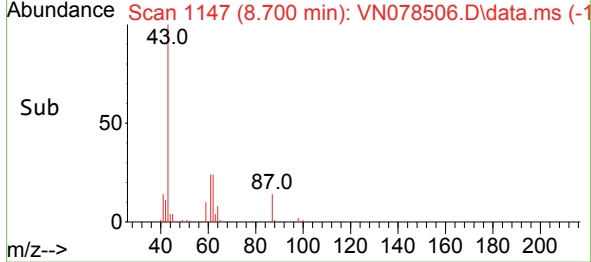
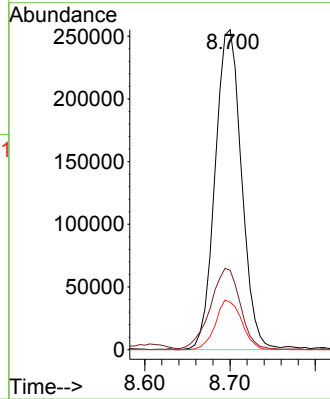
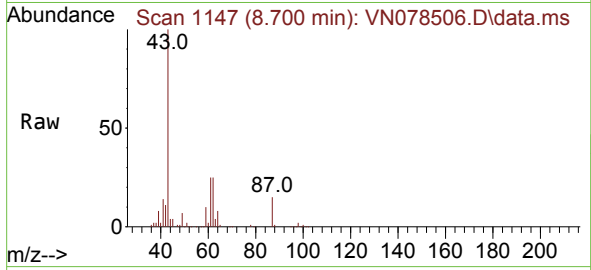




#43  
Isopropyl Acetate  
Concen: 53.269 ug/l  
RT: 8.700 min Scan# 1147  
Delta R.T. 0.006 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

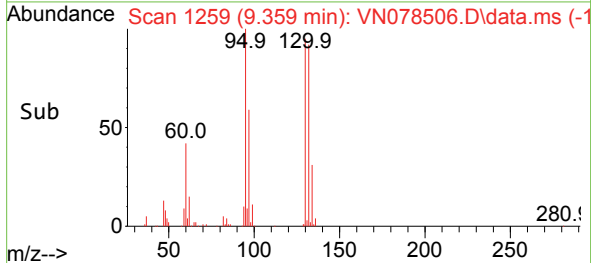
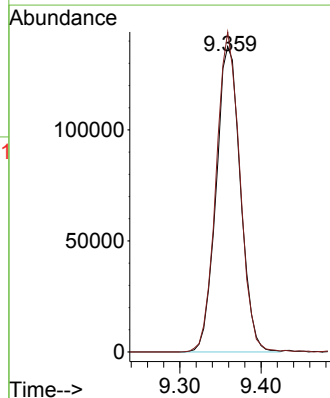
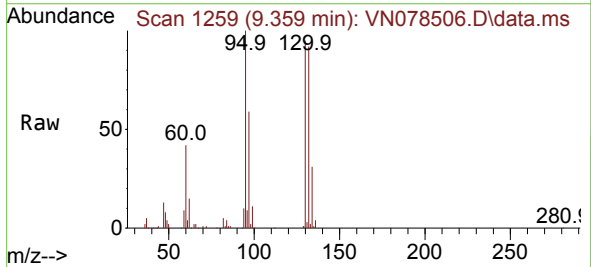
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

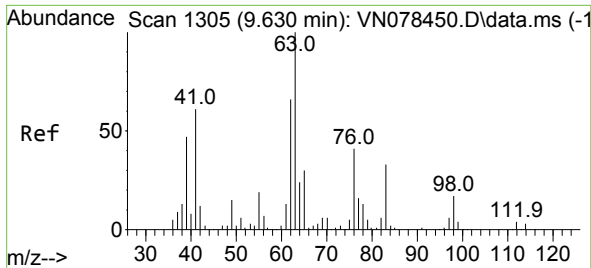
Tgt Ion: 43 Resp: 550631  
Ion Ratio Lower Upper  
43 100  
61 28.5 24.7 37.1  
87 15.4 14.6 21.8



#44  
Trichloroethene  
Concen: 47.487 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion:130 Resp: 285581  
Ion Ratio Lower Upper  
130 100  
95 104.7 0.0 204.6

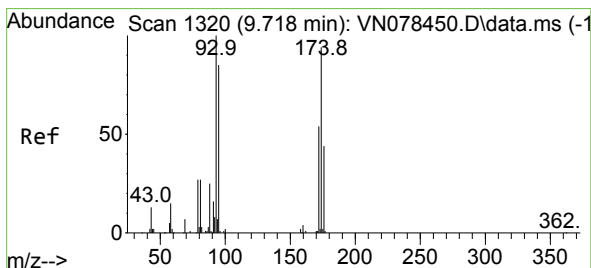
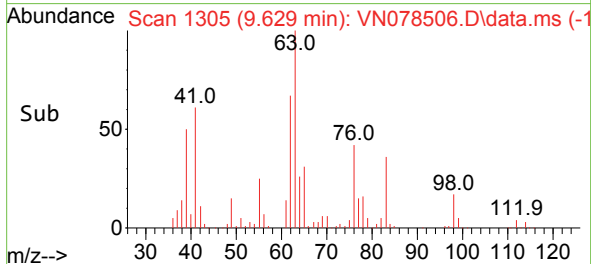
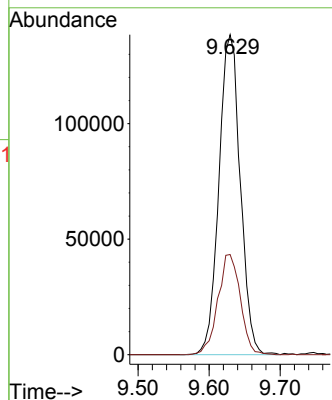
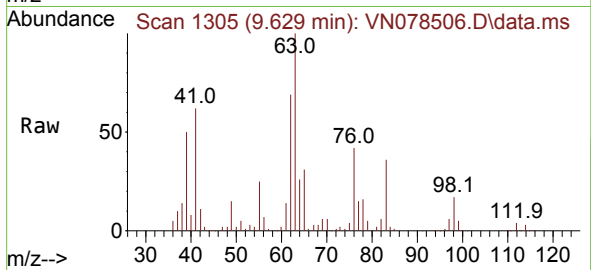




#45  
1,2-Dichloropropane  
Concen: 51.013 ug/l  
RT: 9.629 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

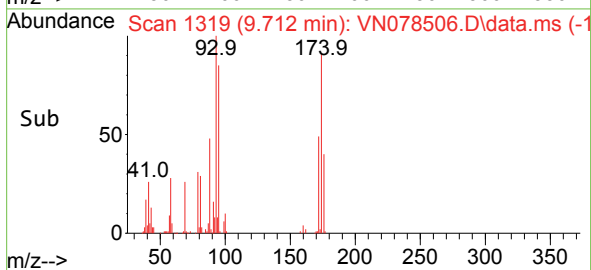
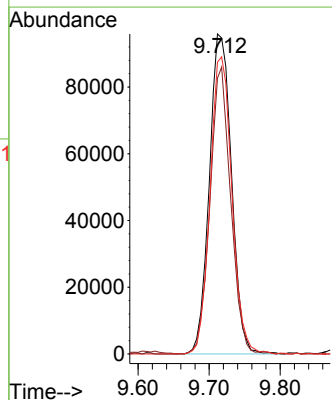
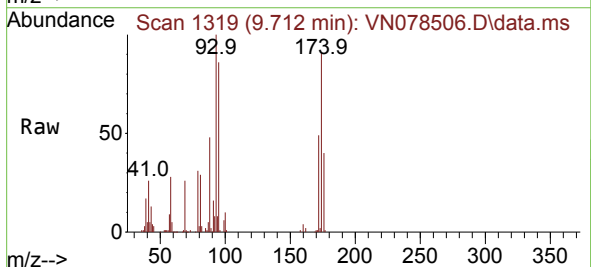
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 63 Resp: 288291  
Ion Ratio Lower Upper  
63 100  
65 31.3 23.9 35.9



#46  
Dibromomethane  
Concen: 52.240 ug/l  
RT: 9.712 min Scan# 1319  
Delta R.T. -0.006 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 93 Resp: 207790  
Ion Ratio Lower Upper  
93 100  
95 83.7 63.8 95.8  
174 91.5 65.6 98.4

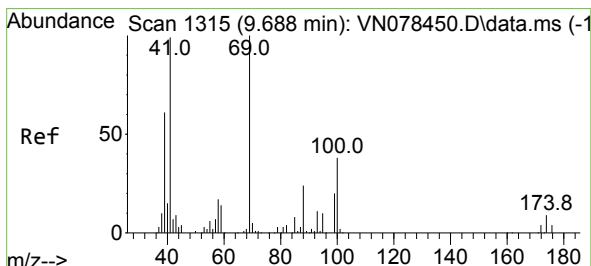
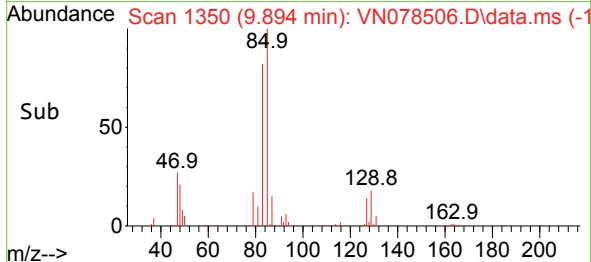
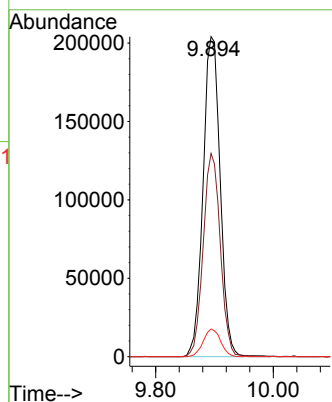
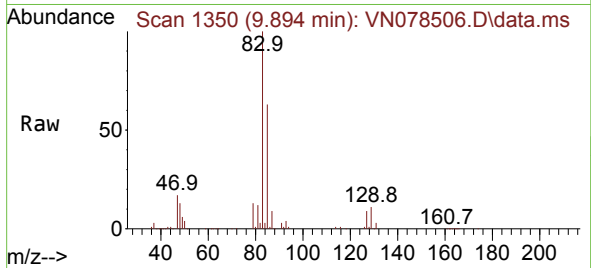




#47  
Bromodichloromethane  
Concen: 51.922 ug/l  
RT: 9.894 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

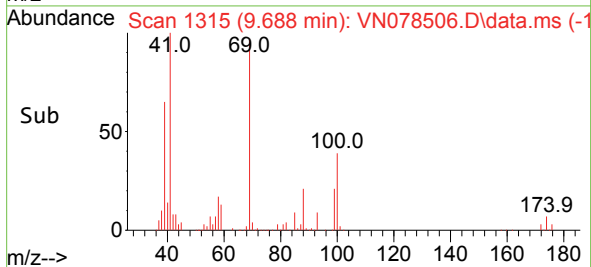
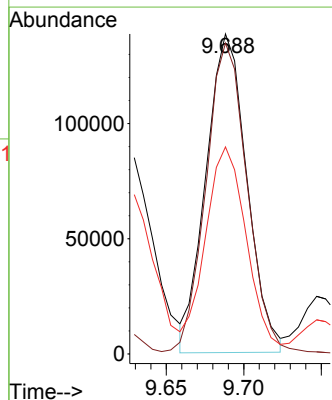
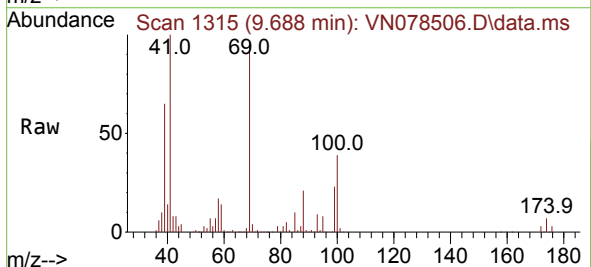
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

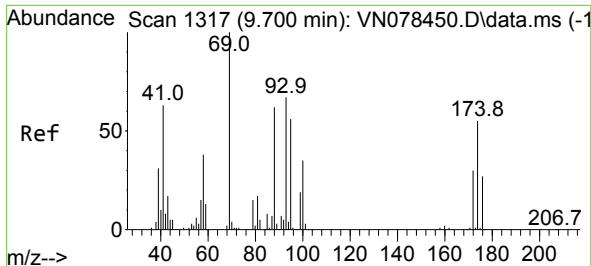
Tgt Ion: 83 Resp: 413989  
Ion Ratio Lower Upper  
83 100  
85 63.5 49.6 74.4  
127 8.6 7.0 10.6



#48  
Methyl methacrylate  
Concen: 52.939 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 41 Resp: 253521  
Ion Ratio Lower Upper  
41 100  
69 99.4 90.4 135.6  
39 65.2 54.6 81.8





#49

1,4-Dioxane

Concen: 1147.237 ug/l

RT: 9.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

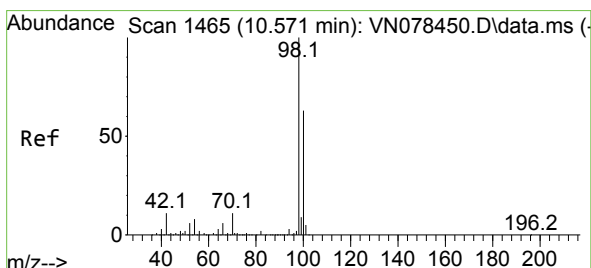
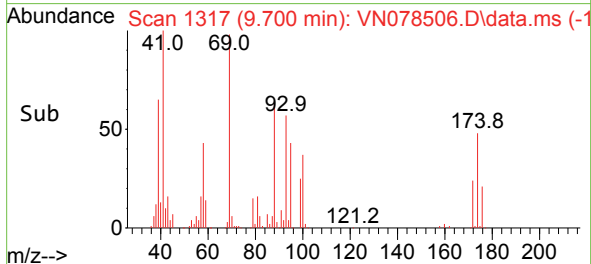
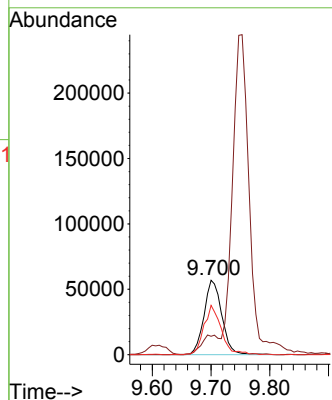
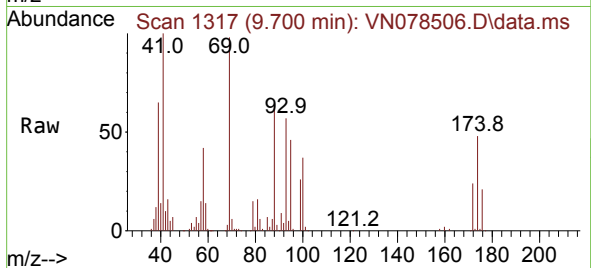
Tgt Ion: 88 Resp: 119815

Ion Ratio Lower Upper

88 100

43 23.7 17.0 25.6

58 65.0 47.0 70.4



#50

Toluene-d8

Concen: 44.408 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN078506.D

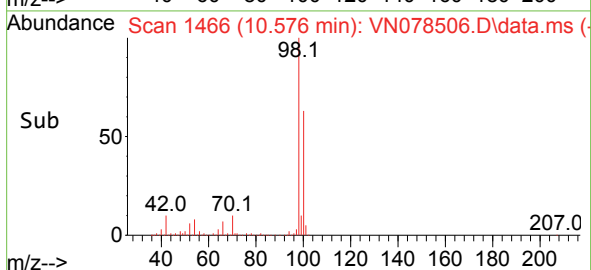
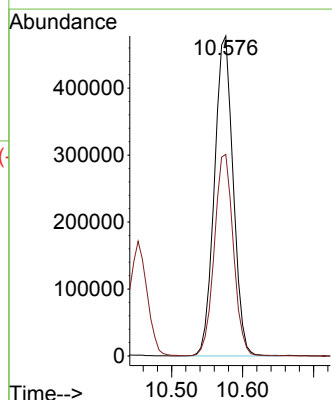
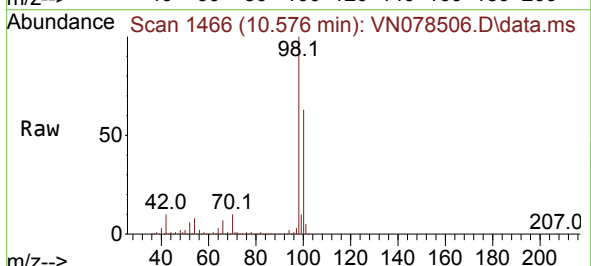
Acq: 13 Jul 2023 19:05

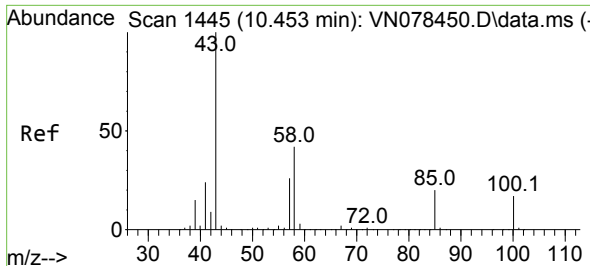
Tgt Ion: 98 Resp: 875069

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0

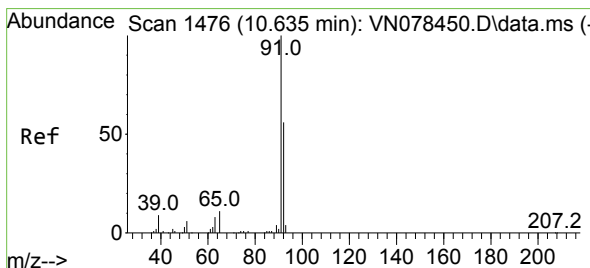
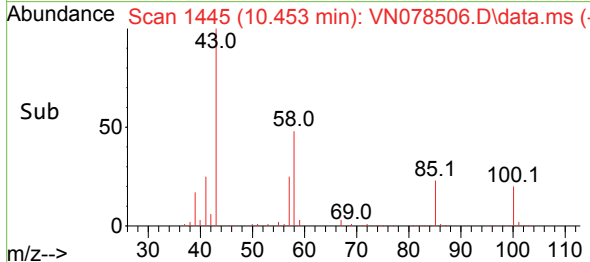
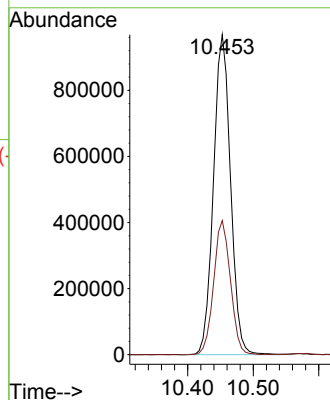
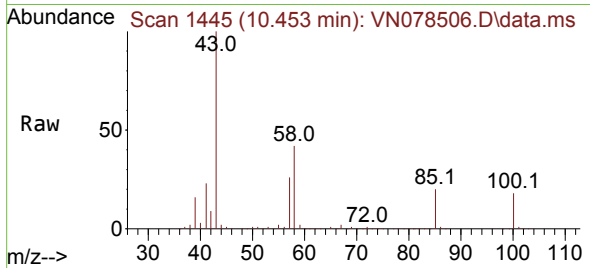




#51  
4-Methyl-2-Pentanone  
Concen: 283.700 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

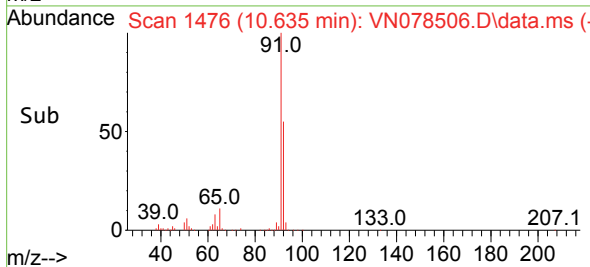
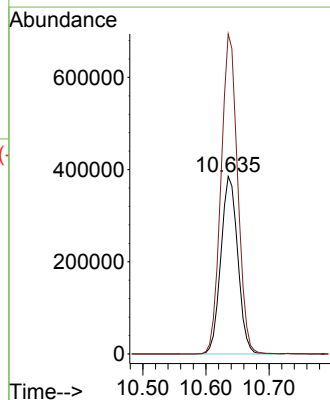
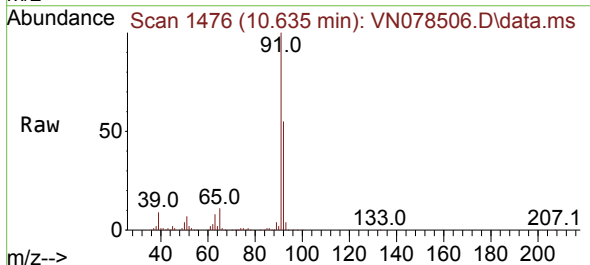
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

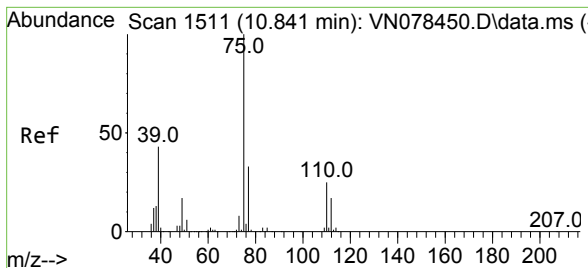
Tgt Ion: 43 Resp: 1744321  
Ion Ratio Lower Upper  
43 100  
58 41.4 36.6 54.8



#52  
Toluene  
Concen: 51.732 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 92 Resp: 715405  
Ion Ratio Lower Upper  
92 100  
91 177.6 137.4 206.0

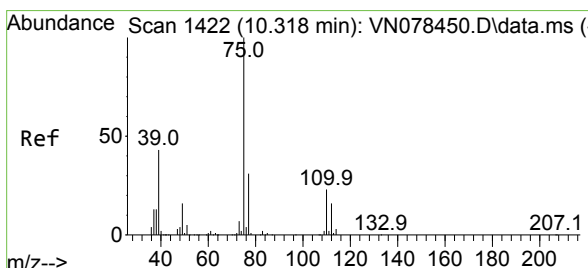
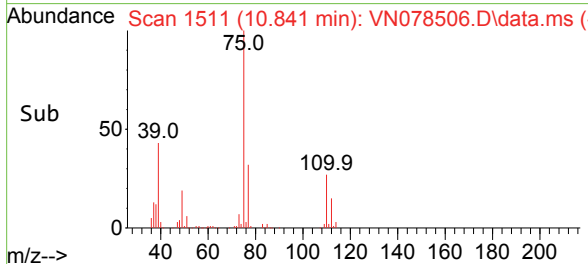
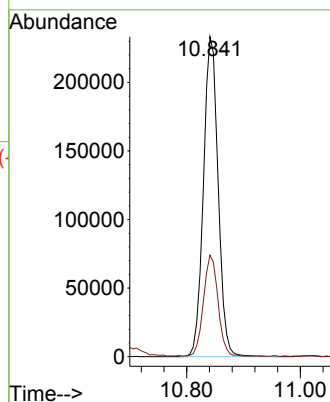
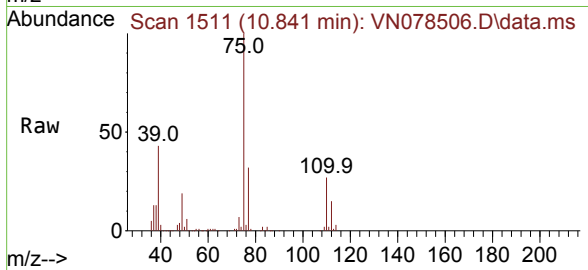




#53  
 t-1,3-Dichloropropene  
 Concen: 51.185 ug/l  
 RT: 10.841 min Scan# 1511  
 Delta R.T. 0.000 min  
 Lab File: VN078506.D  
 Acq: 13 Jul 2023 19:05

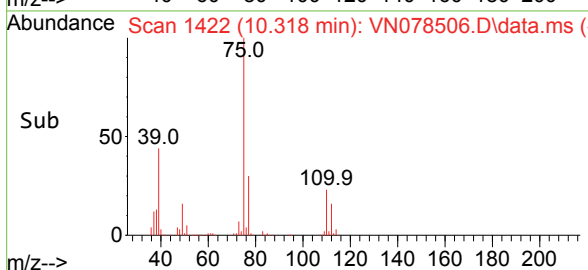
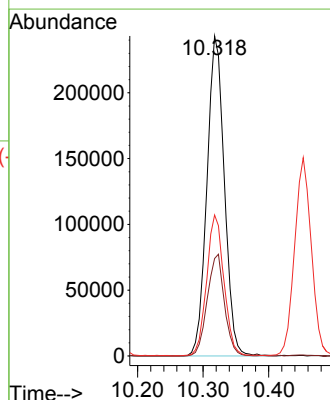
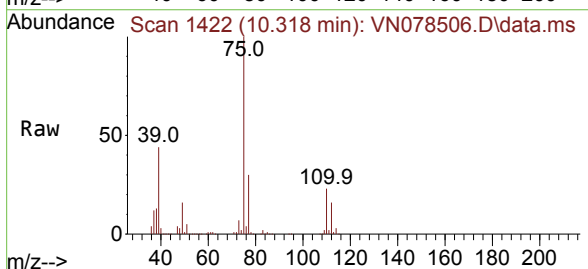
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

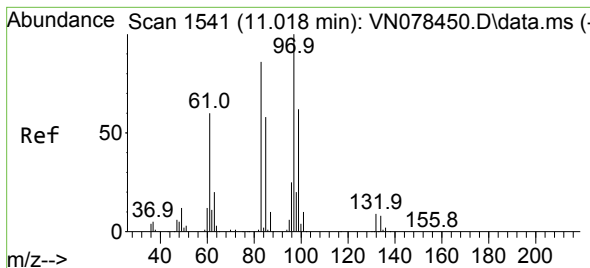
Tgt Ion: 75 Resp: 418099  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 51.720 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. -0.000 min  
 Lab File: VN078506.D  
 Acq: 13 Jul 2023 19:05

Tgt Ion: 75 Resp: 450333  
 Ion Ratio Lower Upper  
 75 100  
 77 30.5 26.1 39.1  
 39 44.0 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 52.368 ug/l

RT: 11.023 min Scan# 1542

Delta R.T. 0.005 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 285337

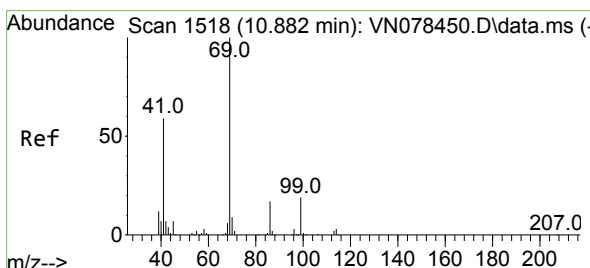
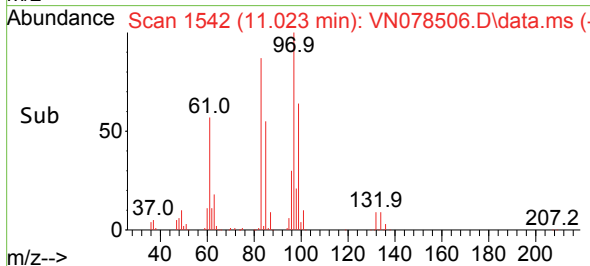
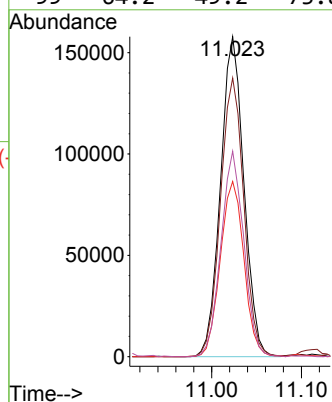
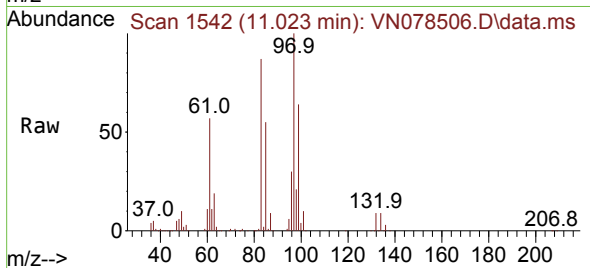
Ion Ratio Lower Upper

97 100

83 87.1 65.1 97.7

85 54.7 43.4 65.2

99 64.2 49.2 73.8



#56

Ethyl methacrylate

Concen: 55.804 ug/l

RT: 10.882 min Scan# 1518

Delta R.T. 0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

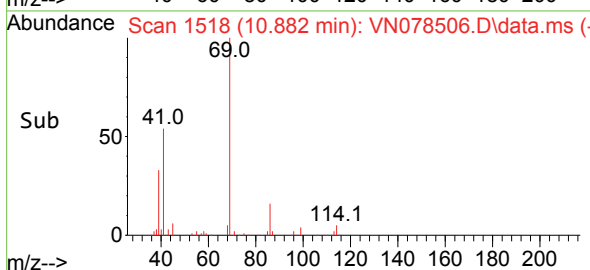
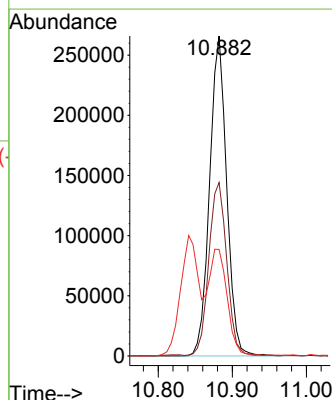
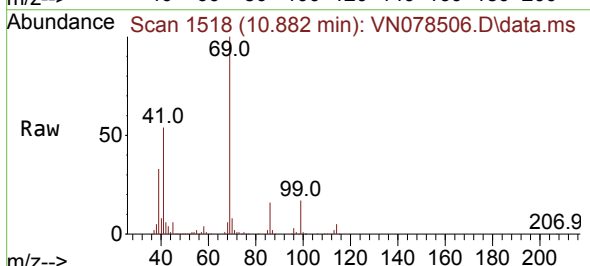
Tgt Ion: 69 Resp: 425032

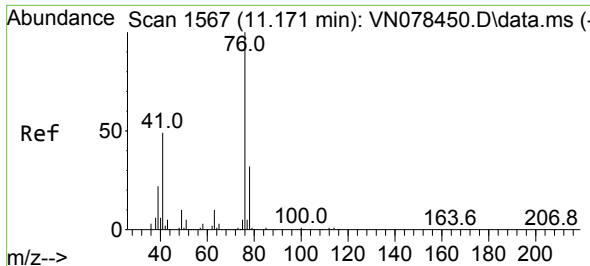
Ion Ratio Lower Upper

69 100

41 56.9 39.6 59.4

39 37.0 28.6 43.0

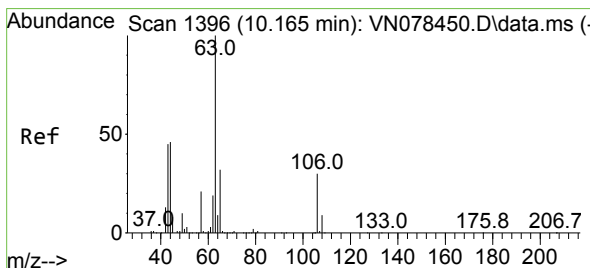
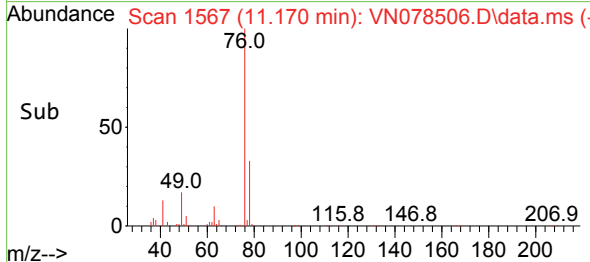
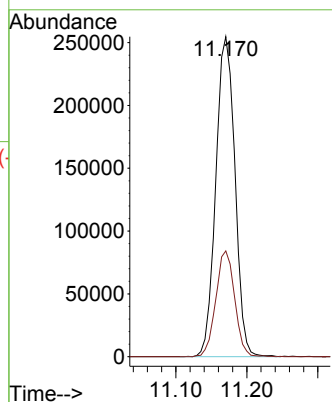
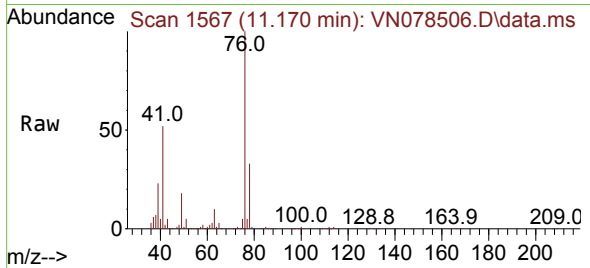




#57  
1,3-Dichloropropane  
Concen: 51.302 ug/l  
RT: 11.170 min Scan# 1567  
Delta R.T. -0.001 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

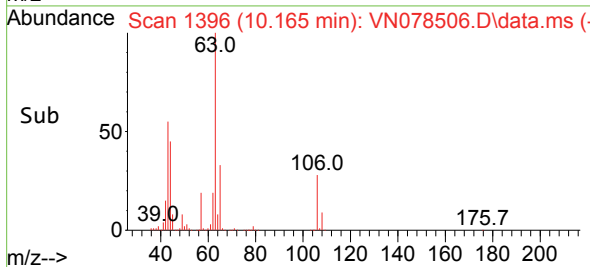
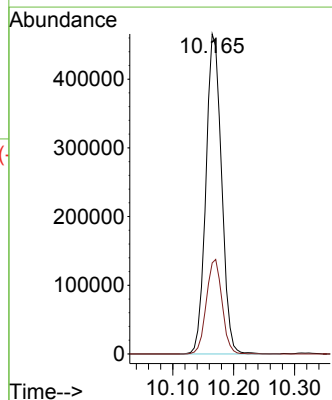
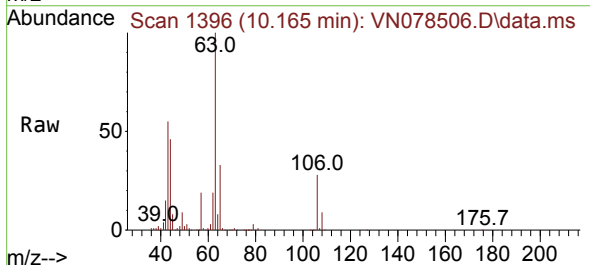
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

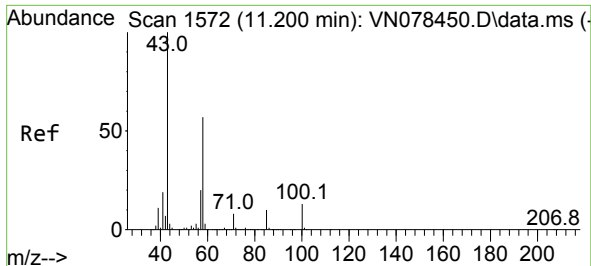
Tgt Ion: 76 Resp: 475280  
Ion Ratio Lower Upper  
76 100  
78 32.6 26.1 39.1



#58  
2-Chloroethyl Vinyl ether  
Concen: 306.328 ug/l  
RT: 10.165 min Scan# 1396  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 63 Resp: 831480  
Ion Ratio Lower Upper  
63 100  
106 29.6 26.2 39.4

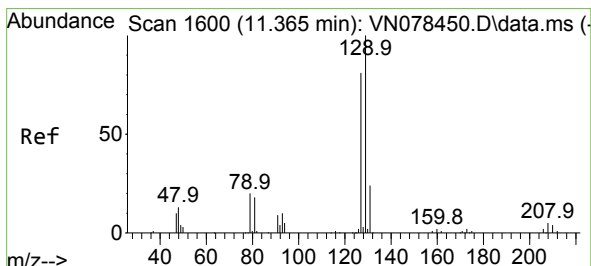
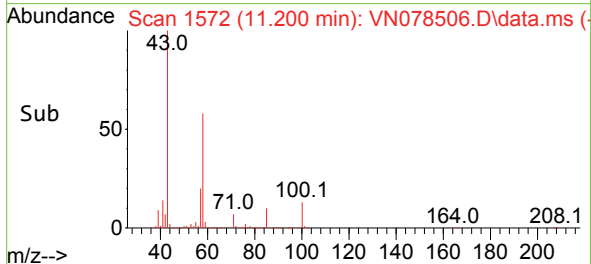
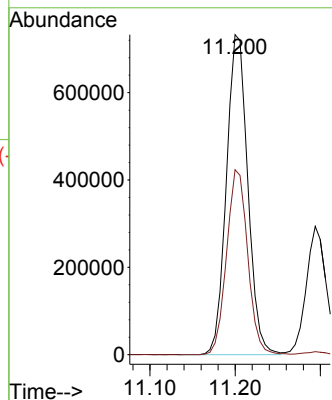
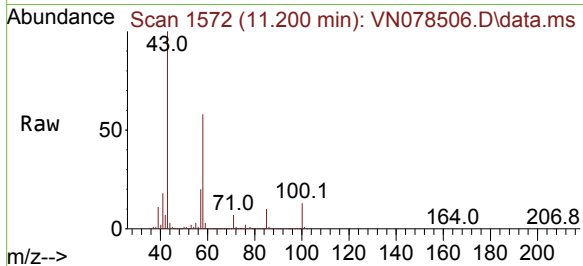




#59  
2-Hexanone  
Concen: 292.019 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

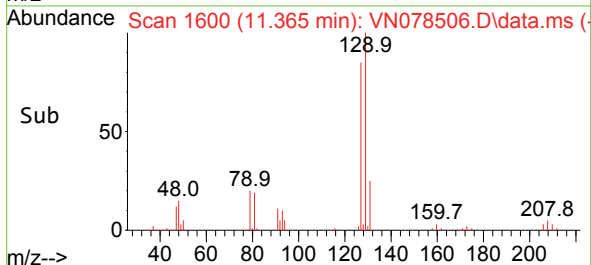
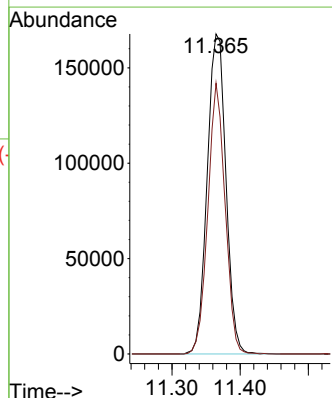
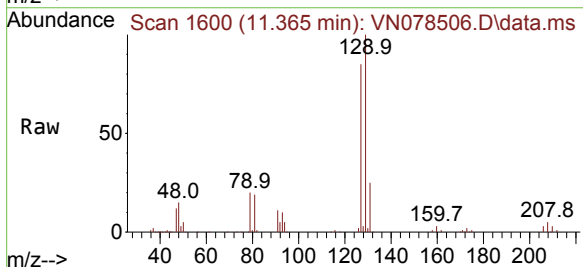
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

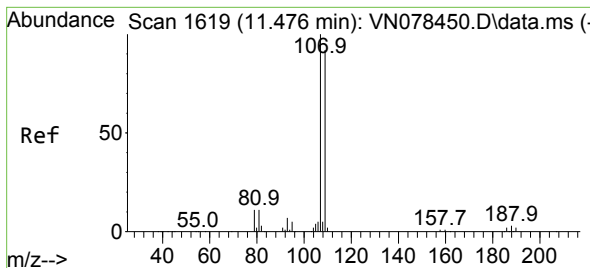
Tgt Ion: 43 Resp: 1276059  
Ion Ratio Lower Upper  
43 100  
58 57.2 31.7 95.1



#60  
Dibromochloromethane  
Concen: 53.259 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 129 Resp: 320361  
Ion Ratio Lower Upper  
129 100  
127 77.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 52.710 ug/l

RT: 11.476 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

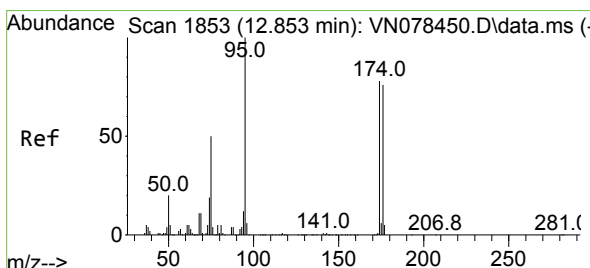
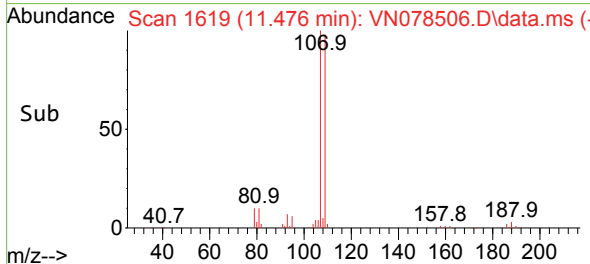
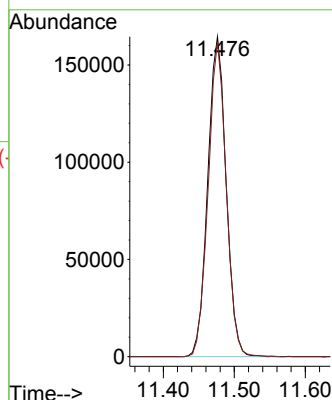
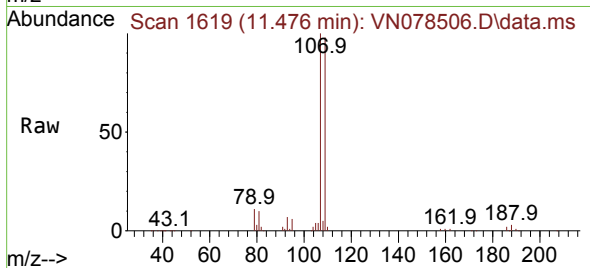
VSTDCCC050EC

Tgt Ion:107 Resp: 295850

Ion Ratio Lower Upper

107 100

109 96.5 76.6 114.8



#62

4-Bromofluorobenzene

Concen: 46.299 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

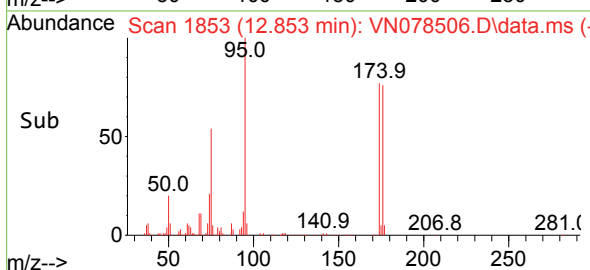
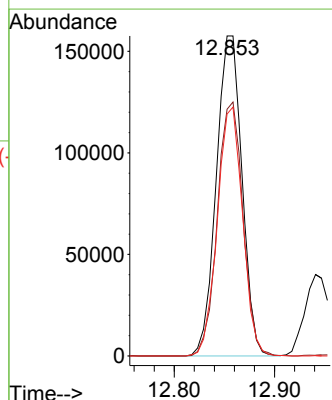
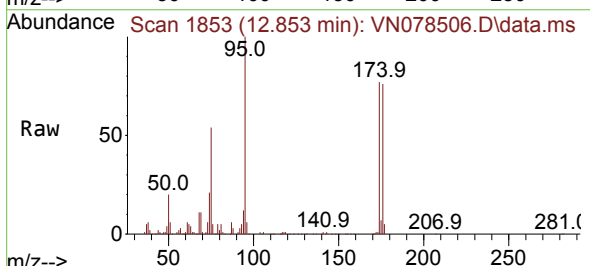
Tgt Ion: 95 Resp: 281017

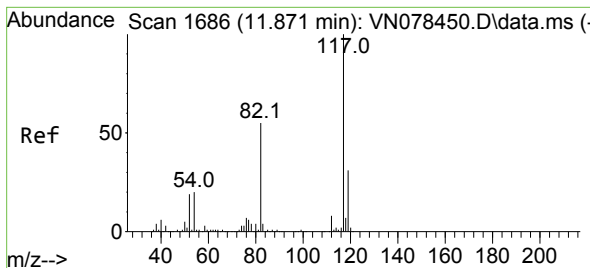
Ion Ratio Lower Upper

95 100

174 78.8 0.0 143.8

176 76.3 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

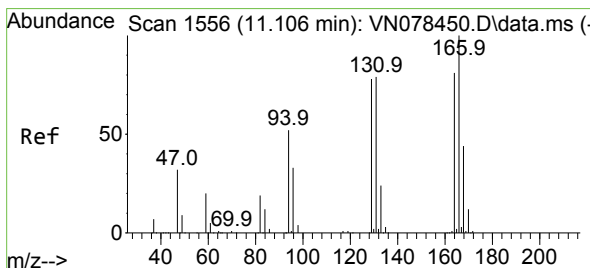
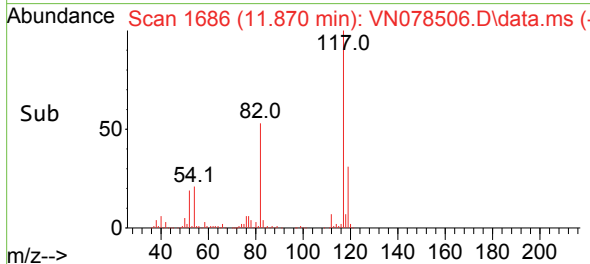
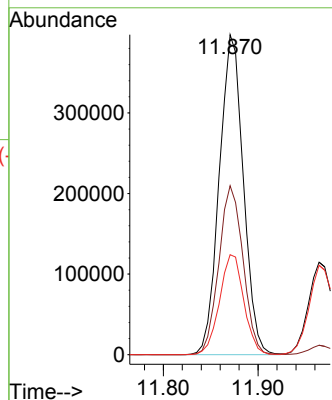
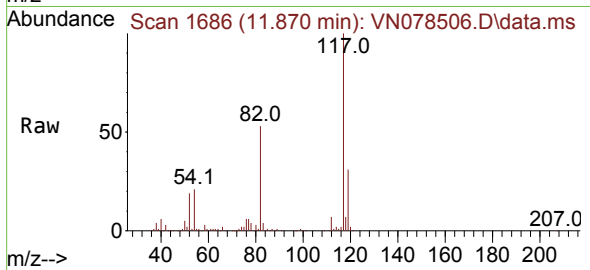
Tgt Ion:117 Resp: 700770

Ion Ratio Lower Upper

117 100

82 52.8 44.0 66.0

119 31.3 25.6 38.4



#64

Tetrachloroethene

Concen: 46.813 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. 0.006 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Tgt Ion:164 Resp: 246639

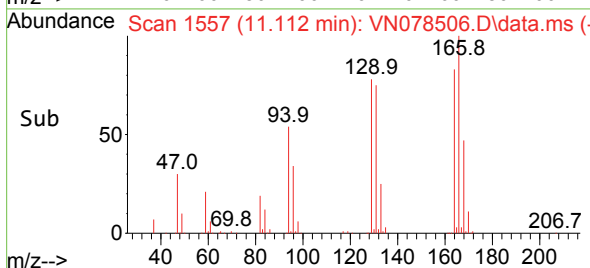
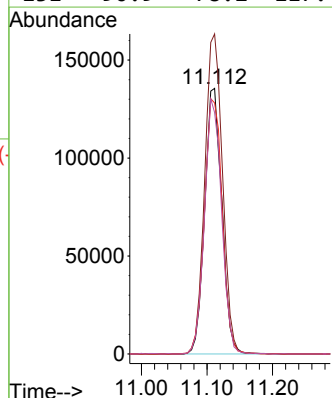
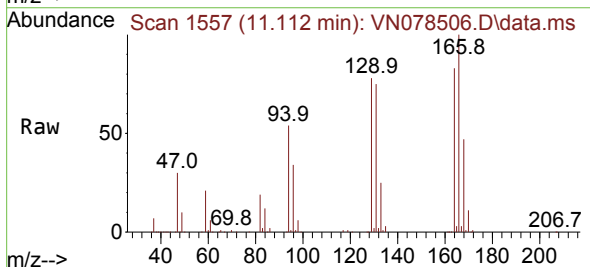
Ion Ratio Lower Upper

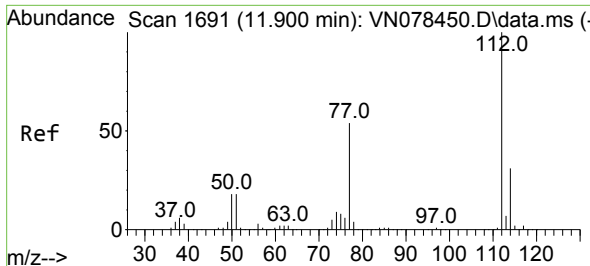
164 100

166 120.5 101.4 152.0

129 94.5 82.4 123.6

131 90.9 78.2 117.4

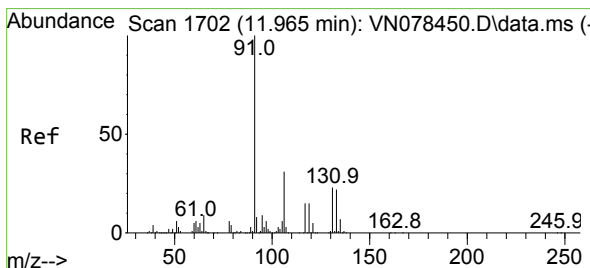
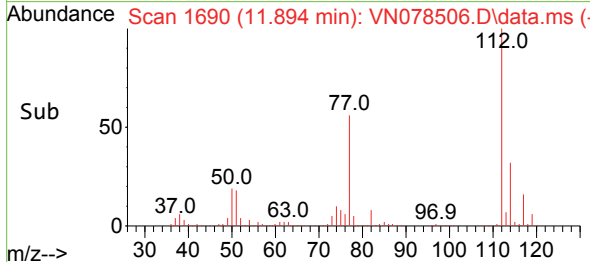
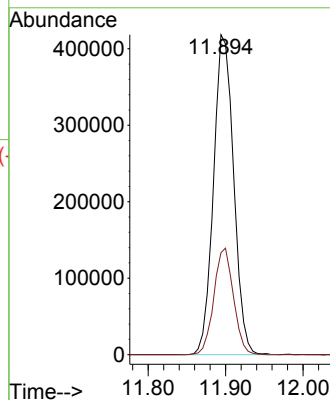
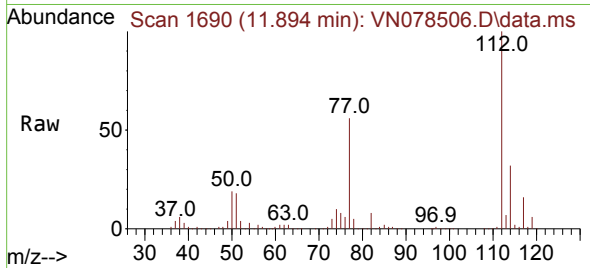




#65  
Chlorobenzene  
Concen: 48.248 ug/l  
RT: 11.894 min Scan# 1691  
Delta R.T. -0.006 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

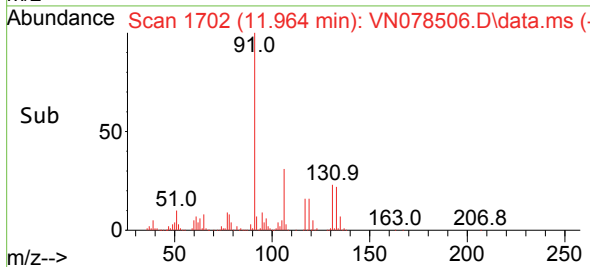
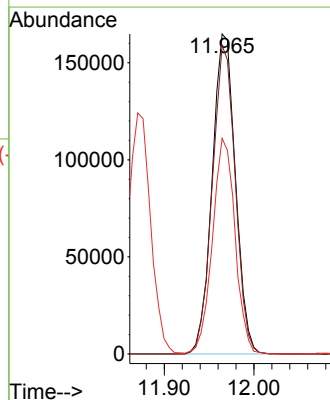
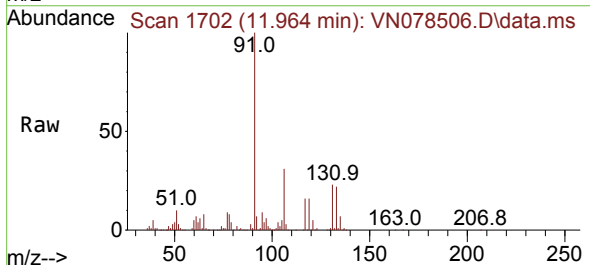
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

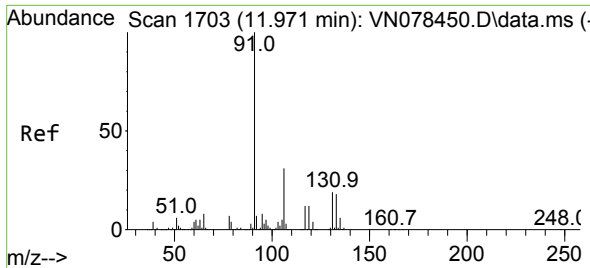
Tgt Ion:112 Resp: 755754  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.329 ug/l  
RT: 11.964 min Scan# 1702  
Delta R.T. -0.001 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion:131 Resp: 297252  
Ion Ratio Lower Upper  
131 100  
133 94.7 46.4 139.1  
119 65.4 34.1 102.2

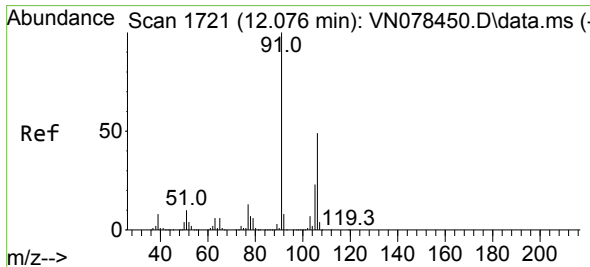
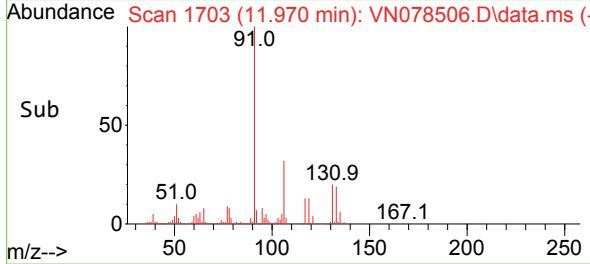
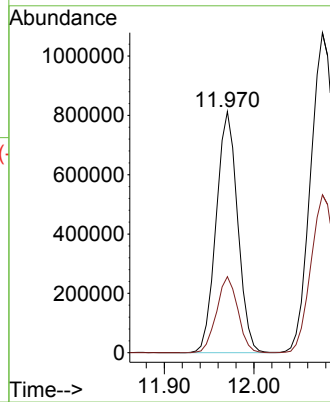
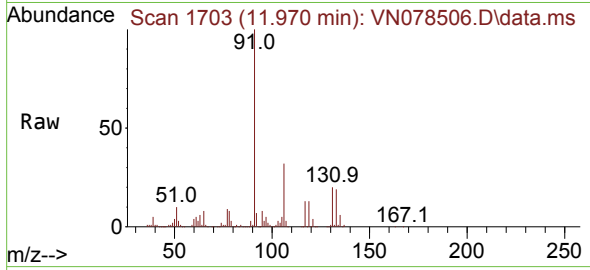




#67  
Ethyl Benzene  
Concen: 51.072 ug/l  
RT: 11.970 min Scan# 1703  
Delta R.T. -0.001 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

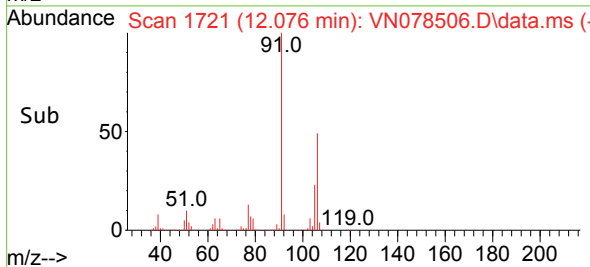
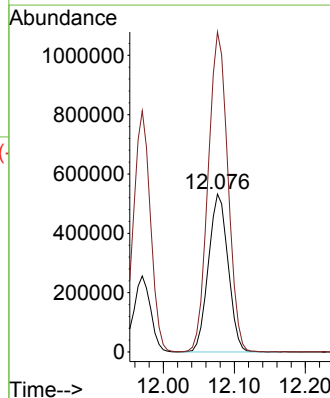
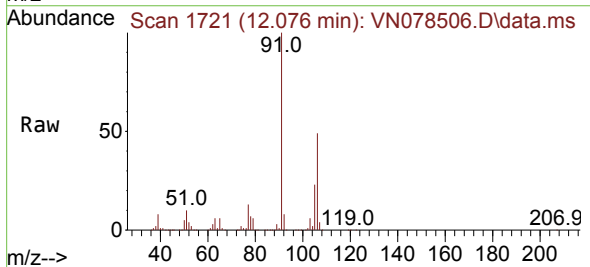
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

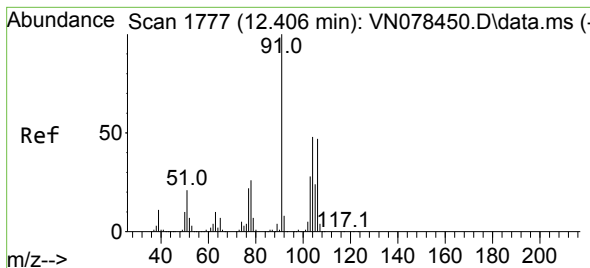
Tgt Ion: 91 Resp: 1352245  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.6 38.4



#68  
m/p-Xylenes  
Concen: 104.588 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion:106 Resp: 1023848  
Ion Ratio Lower Upper  
106 100  
91 203.2 159.6 239.4





#69

o-Xylene

Concen: 50.989 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

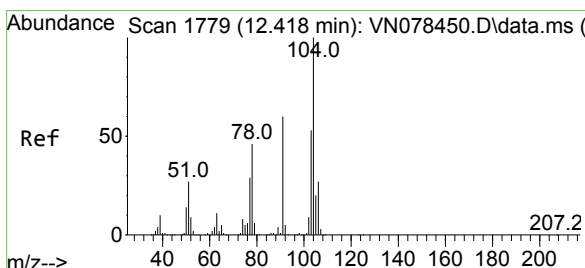
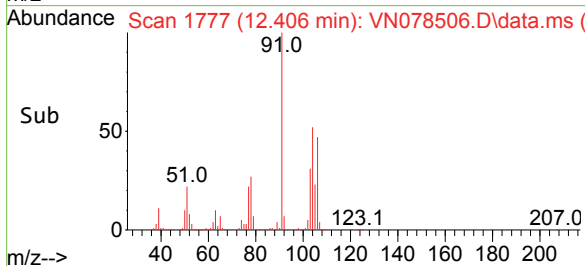
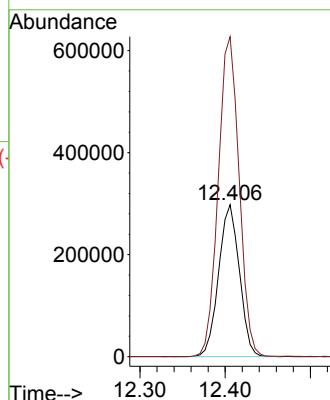
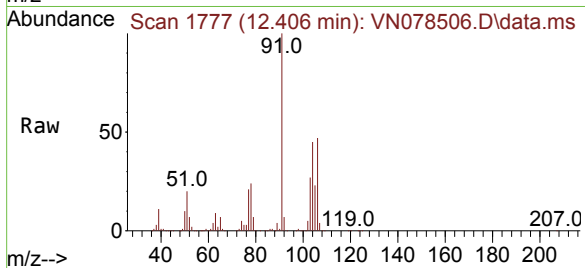
VSTDCCC050EC

Tgt Ion:106 Resp: 504169

Ion Ratio Lower Upper

106 100

91 212.5 105.2 315.5



#70

Styrene

Concen: 53.227 ug/l

RT: 12.417 min Scan# 1779

Delta R.T. -0.001 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

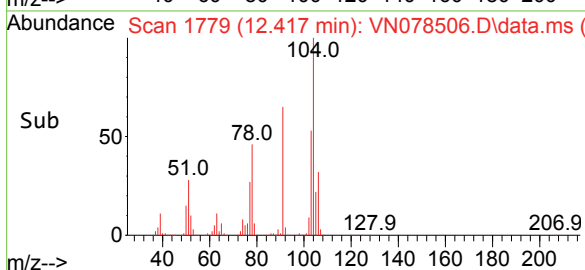
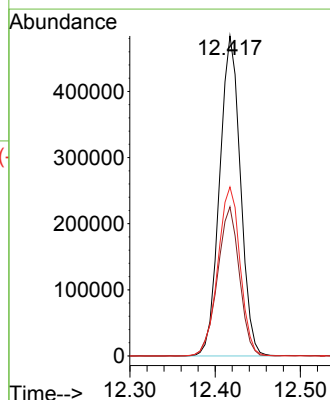
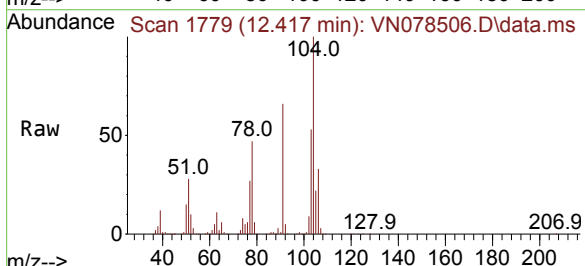
Tgt Ion:104 Resp: 823375

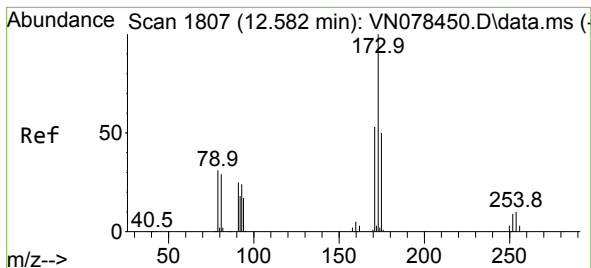
Ion Ratio Lower Upper

104 100

78 49.1 39.5 59.3

103 56.5 43.2 64.8





#71

Bromoform

Concen: 53.291 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

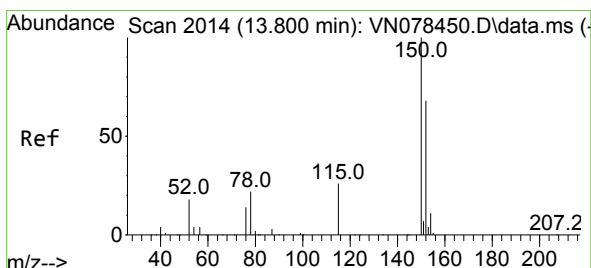
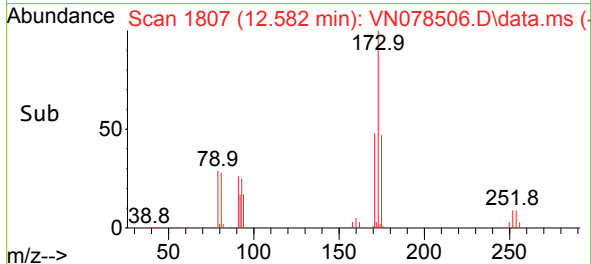
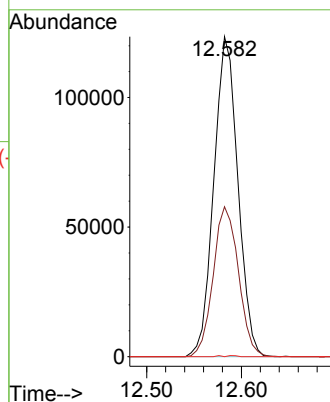
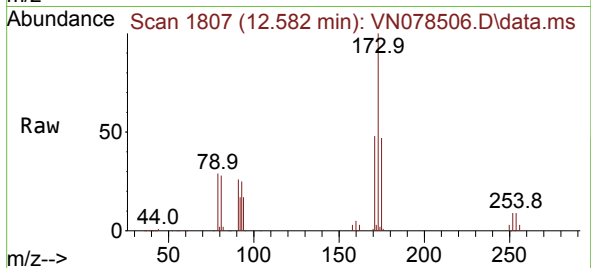
Tgt Ion:173 Resp: 217484

Ion Ratio Lower Upper

173 100

175 49.3 24.3 73.0

254 0.1 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: VN078506.D

Acq: 13 Jul 2023 19:05

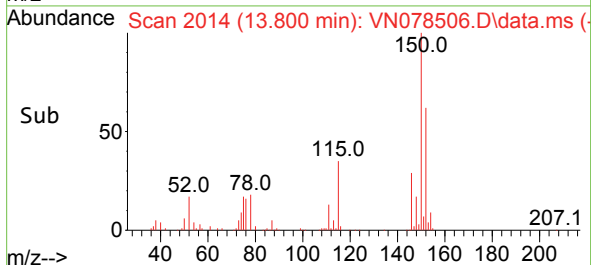
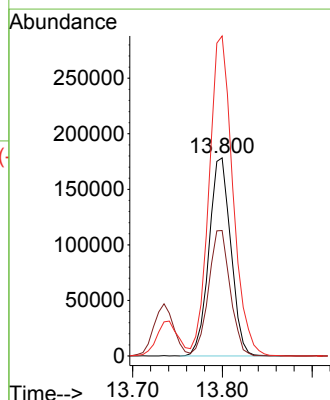
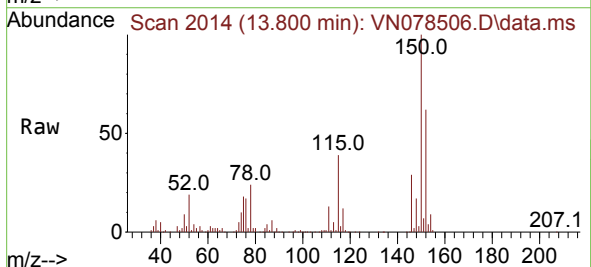
Tgt Ion:152 Resp: 301633

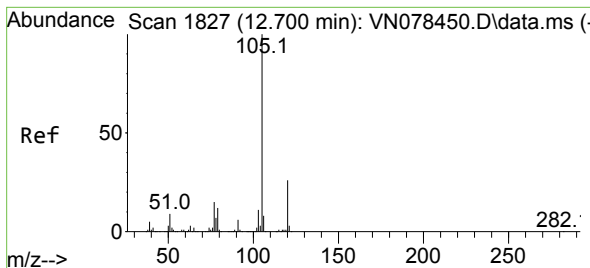
Ion Ratio Lower Upper

152 100

115 62.5 32.3 96.8

150 175.1 0.0 355.8





#73

Isopropylbenzene

Concen: 43.699 ug/l

RT: 12.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

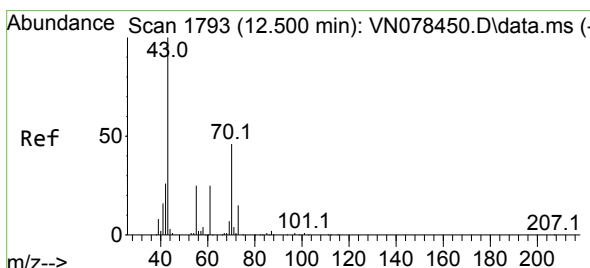
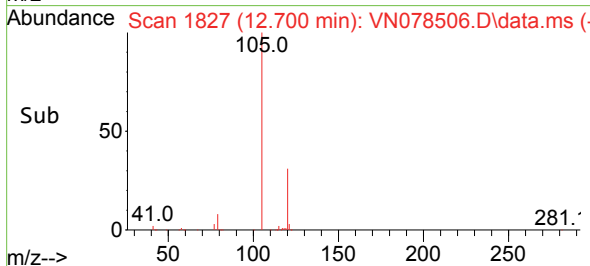
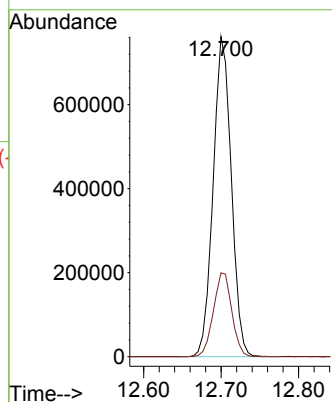
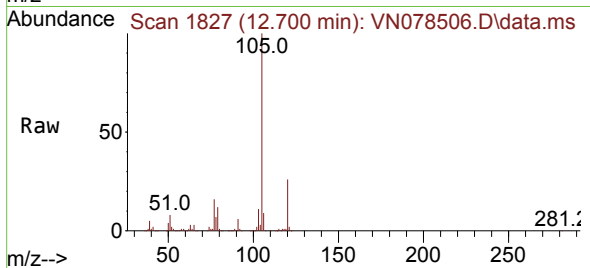
VSTDCCC050EC

Tgt Ion:105 Resp: 1238558

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.1



#74

N-ethyl acetate

Concen: 47.164 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Tgt Ion: 43 Resp: 460675

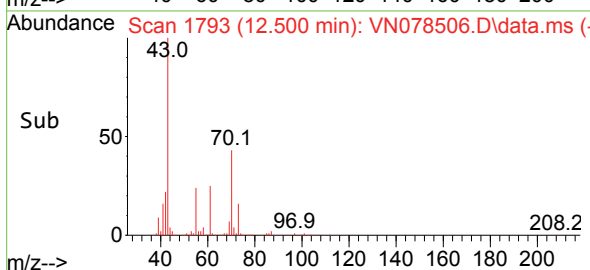
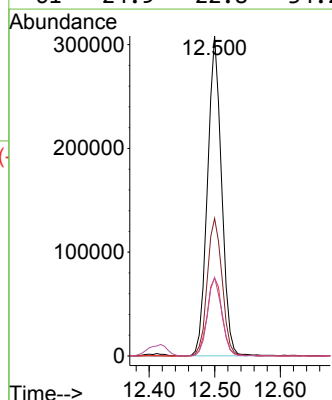
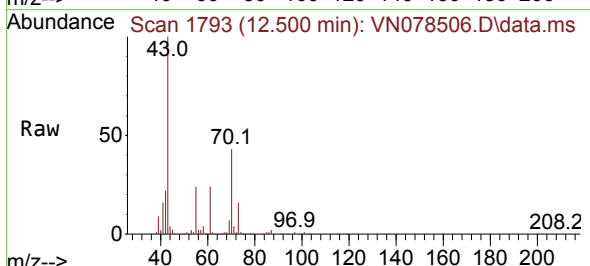
Ion Ratio Lower Upper

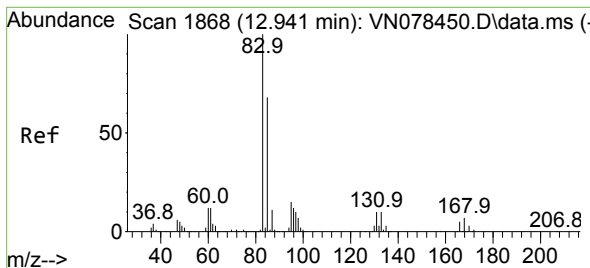
43 100

70 45.3 43.4 65.2

55 26.0 21.4 32.0

61 24.9 22.8 34.2

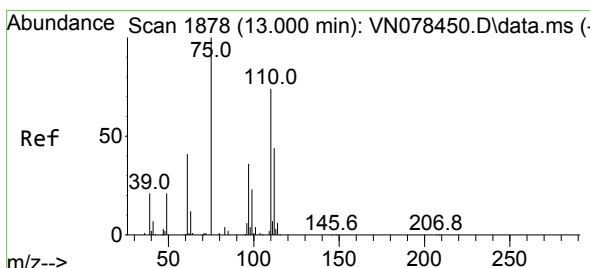
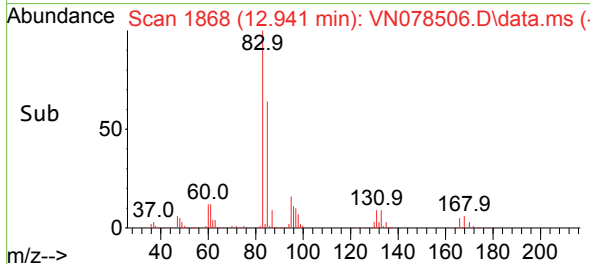
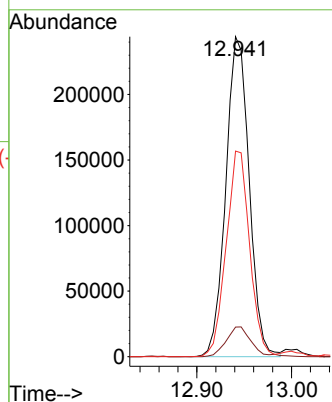
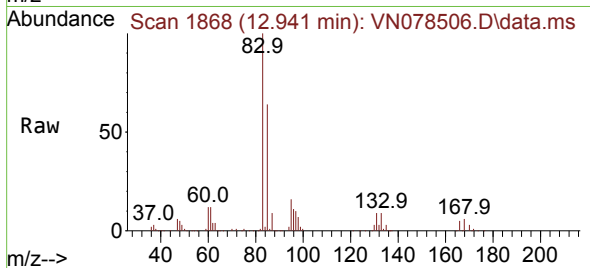




#75  
1,1,2,2-Tetrachloroethane  
Concen: 53.120 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

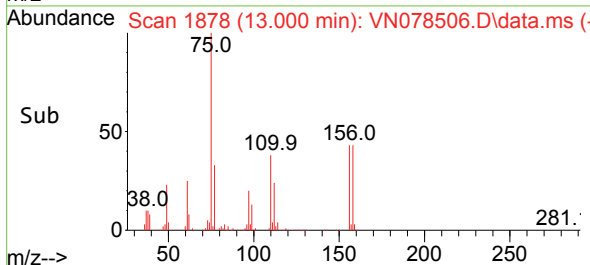
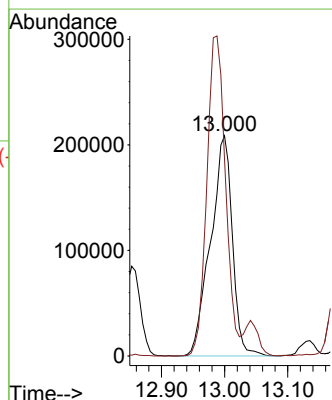
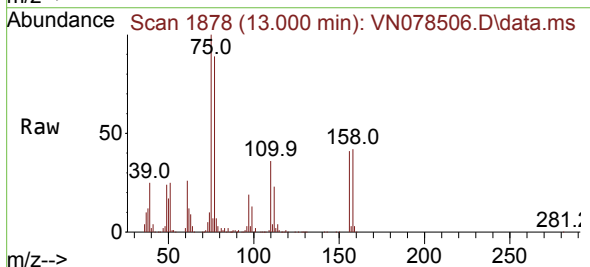
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

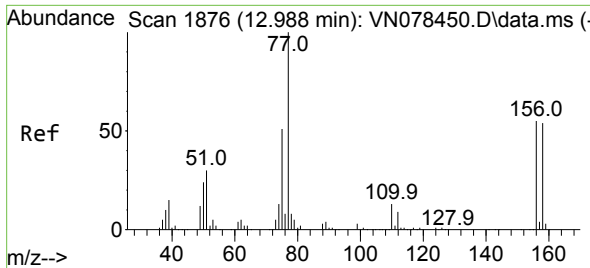
Tgt Ion: 83 Resp: 418983  
Ion Ratio Lower Upper  
83 100  
131 10.1 5.0 15.0  
85 64.4 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 68.657 ug/l  
RT: 13.000 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 75 Resp: 500569  
Ion Ratio Lower Upper  
75 100  
77 124.5 84.5 253.5

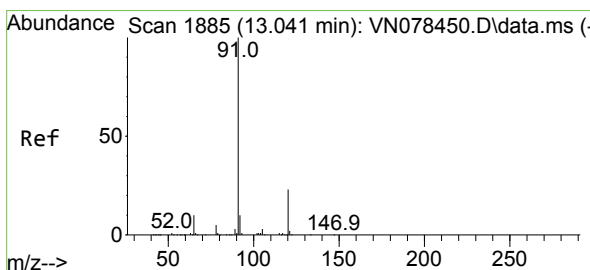
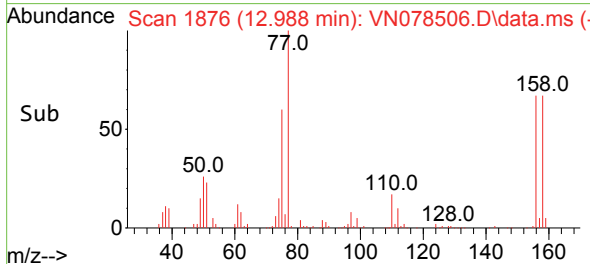
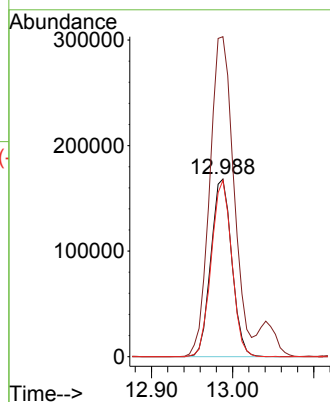
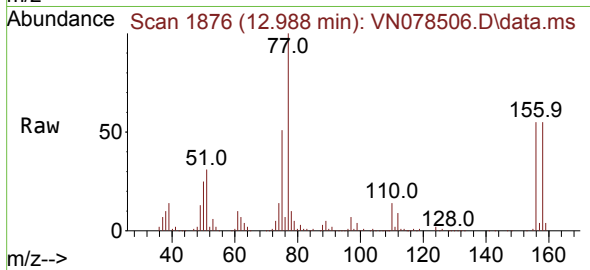




#77  
Bromobenzene  
Concen: 48.752 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

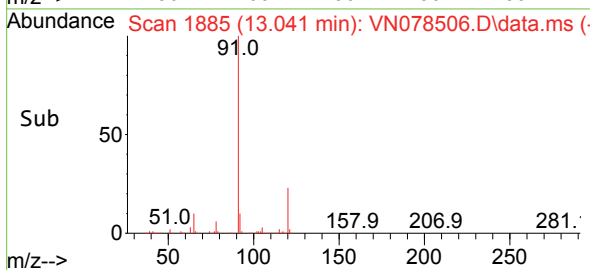
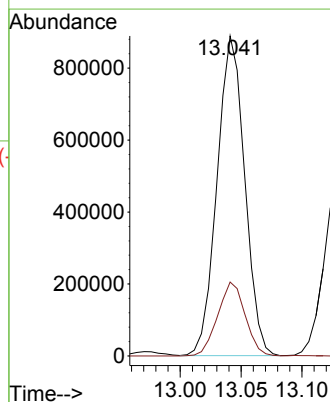
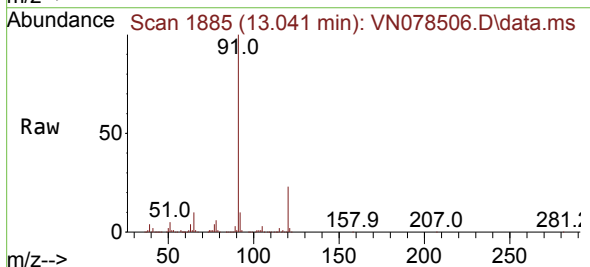
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

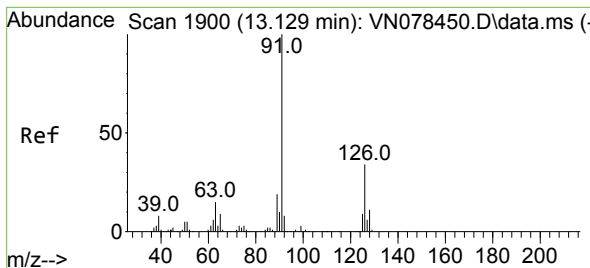
Tgt Ion:156 Resp: 300727  
Ion Ratio Lower Upper  
156 100  
77 207.2 107.7 323.3  
158 97.0 48.4 145.3



#78  
n-propylbenzene  
Concen: 46.339 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 91 Resp: 1404583  
Ion Ratio Lower Upper  
91 100  
120 23.0 11.5 34.4





#79

2-Chlorotoluene

Concen: 44.401 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

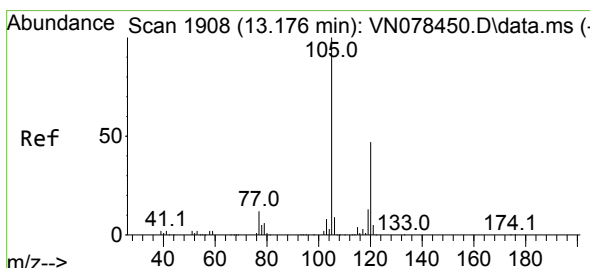
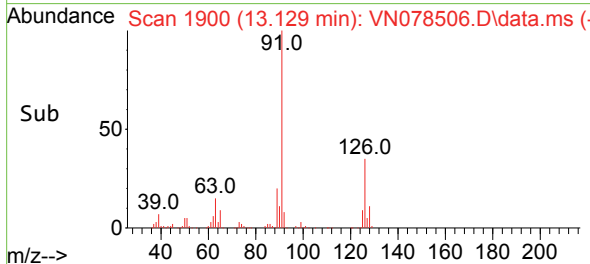
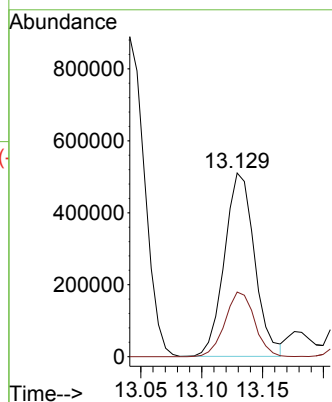
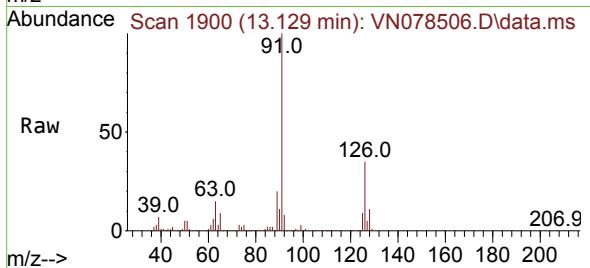
VSTDCCC050EC

Tgt Ion: 91 Resp: 881551

Ion Ratio Lower Upper

91 100

126 34.5 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 46.018 ug/l

RT: 13.182 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VN078506.D

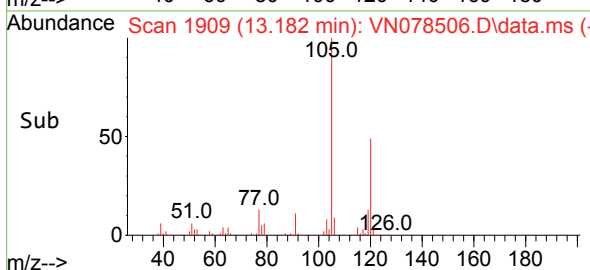
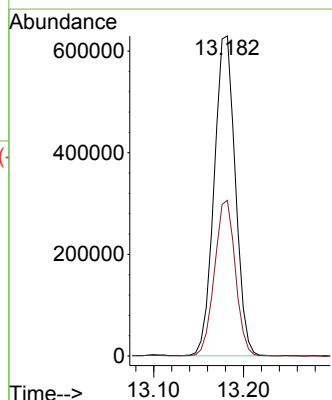
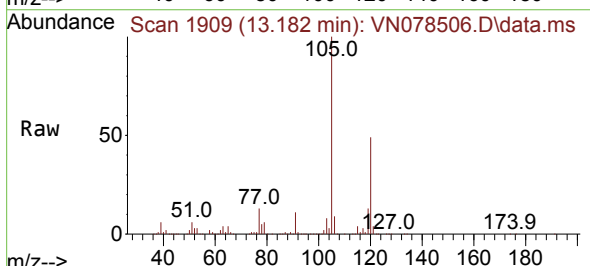
Acq: 13 Jul 2023 19:05

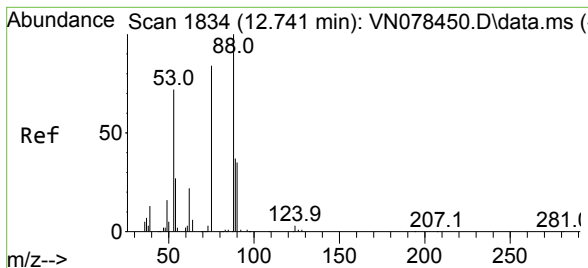
Tgt Ion: 105 Resp: 1030549

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3

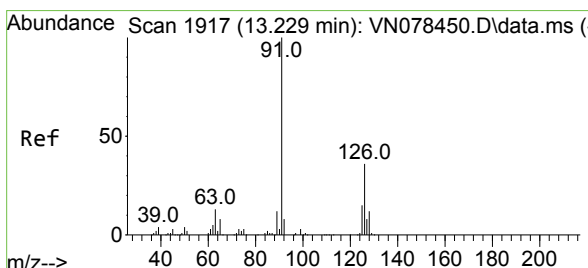
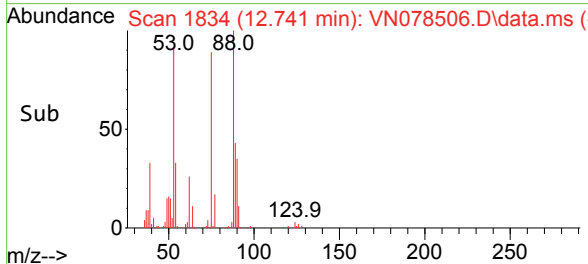
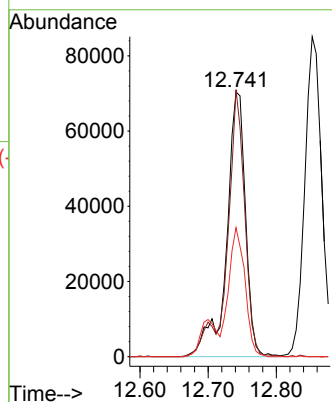
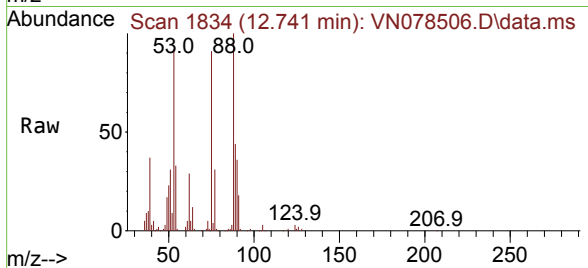




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.326 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

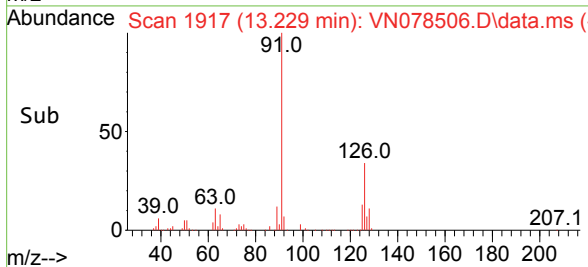
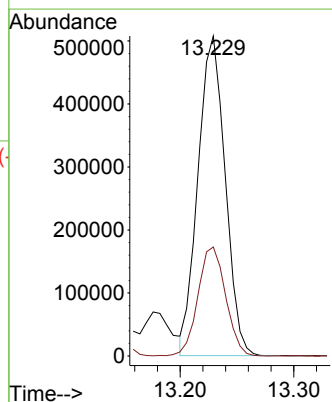
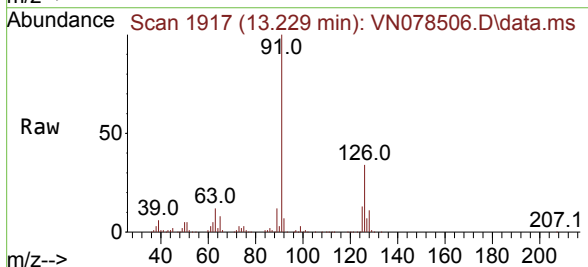
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

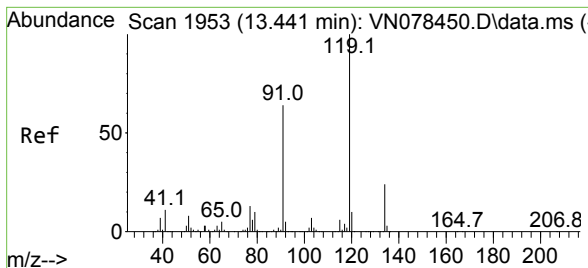
Tgt Ion: 75 Resp: 136855  
Ion Ratio Lower Upper  
75 100  
53 82.6 67.4 101.2  
89 41.5 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 45.471 ug/l  
RT: 13.229 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 91 Resp: 842180  
Ion Ratio Lower Upper  
91 100  
126 34.8 16.7 50.0

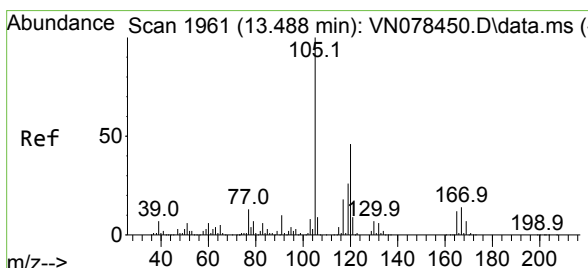
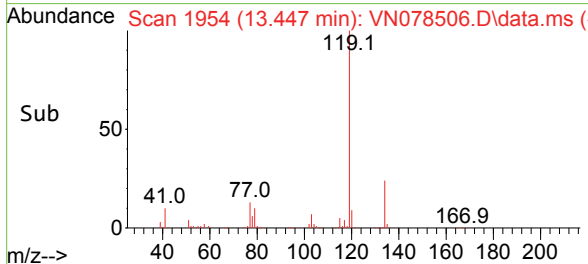
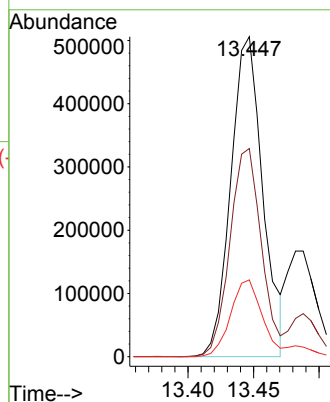
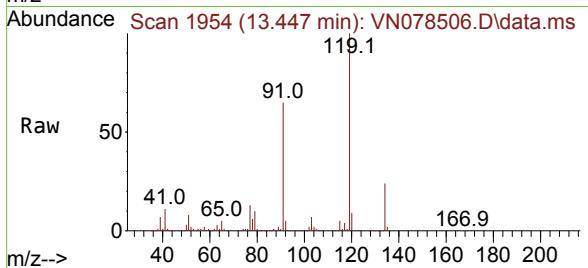




#83  
tert-Butylbenzene  
Concen: 45.241 ug/l  
RT: 13.447 min Scan# 1953  
Delta R.T. 0.006 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

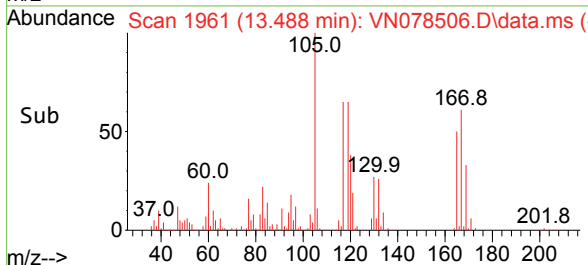
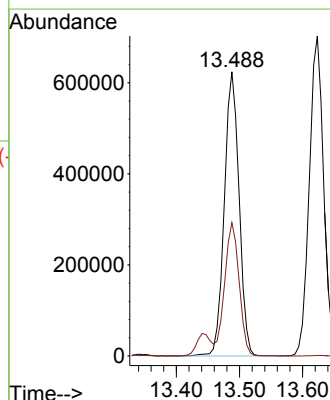
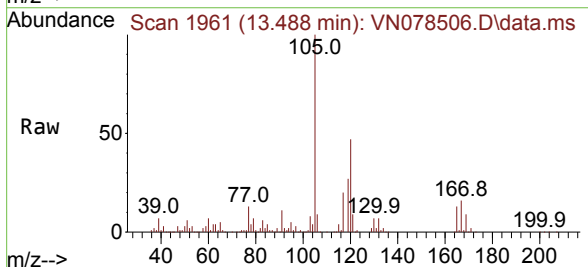
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

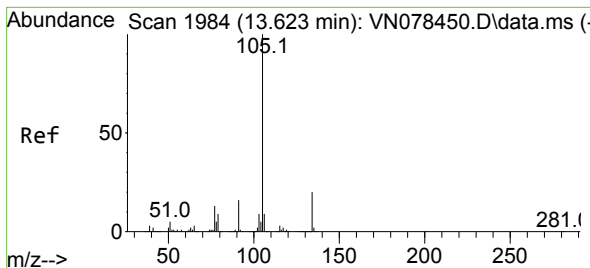
Tgt Ion:119 Resp: 860158  
Ion Ratio Lower Upper  
119 100  
91 64.0 33.9 101.7  
134 24.1 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 46.631 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. -0.000 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion:105 Resp: 1014337  
Ion Ratio Lower Upper  
105 100  
120 46.0 22.0 66.0





#85

sec-Butylbenzene

Concen: 46.037 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

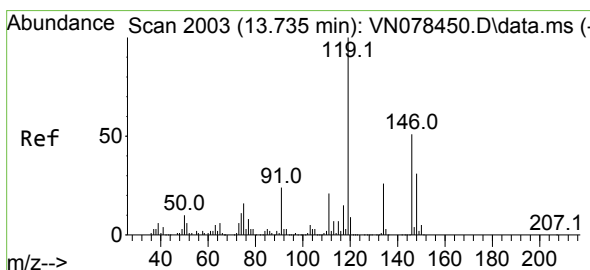
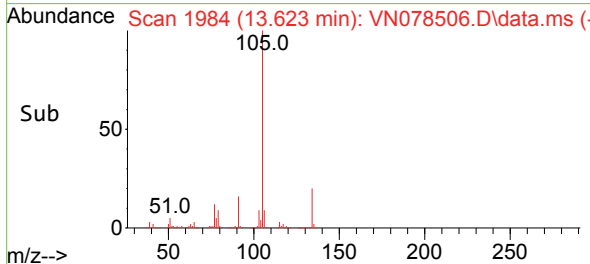
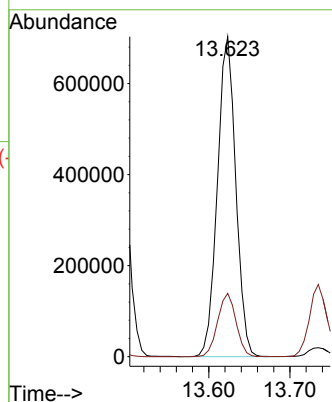
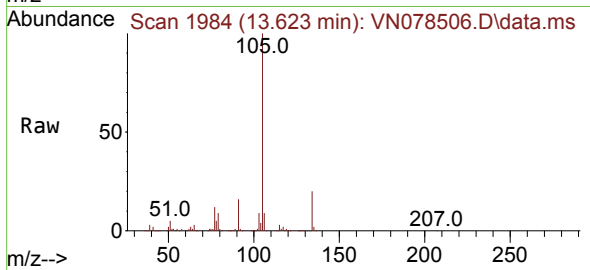
VSTDCCC050EC

Tgt Ion:105 Resp: 1106362

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.3



#86

p-Isopropyltoluene

Concen: 47.581 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

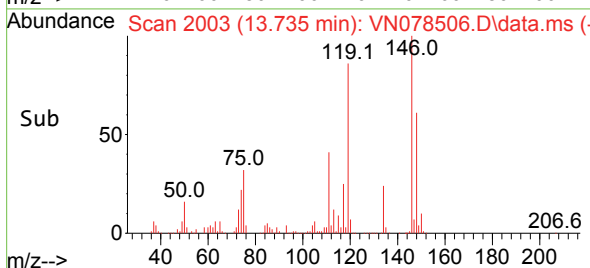
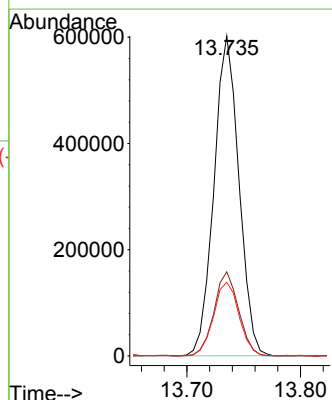
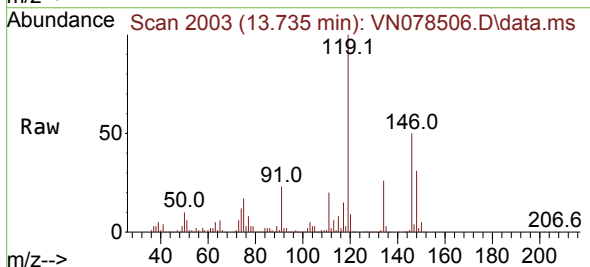
Tgt Ion:119 Resp: 918166

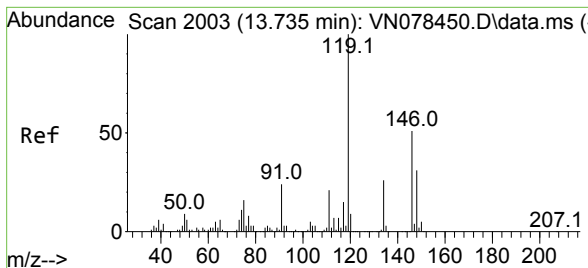
Ion Ratio Lower Upper

119 100

134 25.9 12.6 37.8

91 23.5 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 48.073 ug/l

RT: 13.741 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

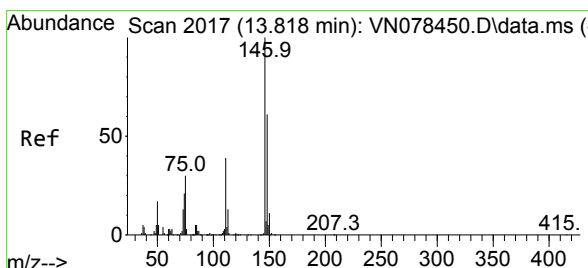
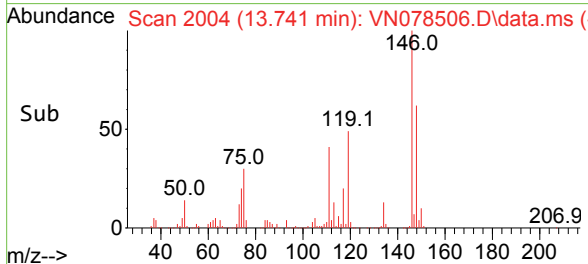
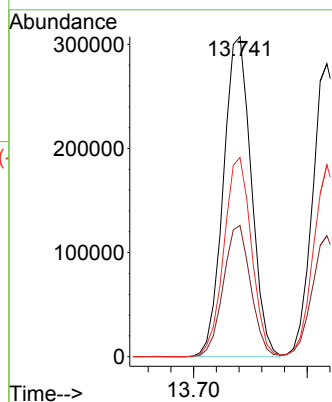
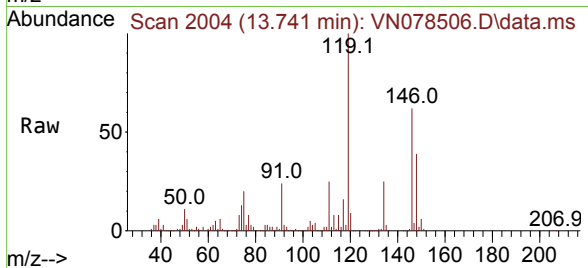
Tgt Ion:146 Resp: 523062

Ion Ratio Lower Upper

146 100

111 40.4 22.1 66.3

148 61.7 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 45.062 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. -0.001 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

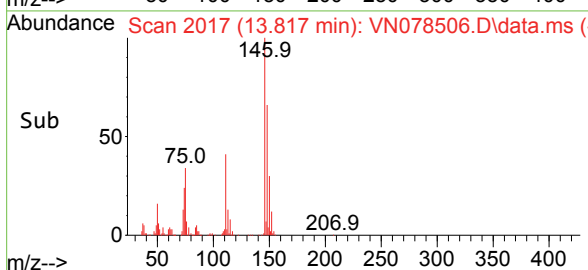
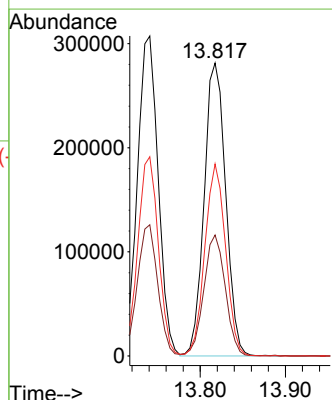
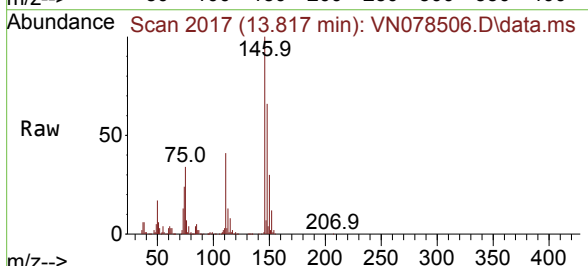
Tgt Ion:146 Resp: 493852

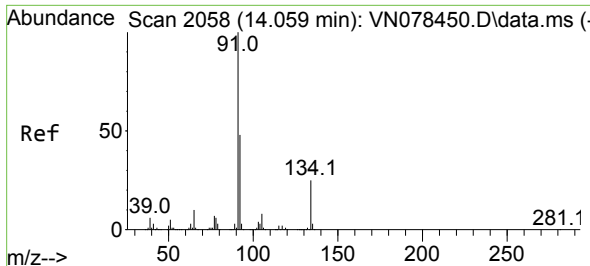
Ion Ratio Lower Upper

146 100

111 41.1 20.6 61.8

148 63.2 31.6 94.8

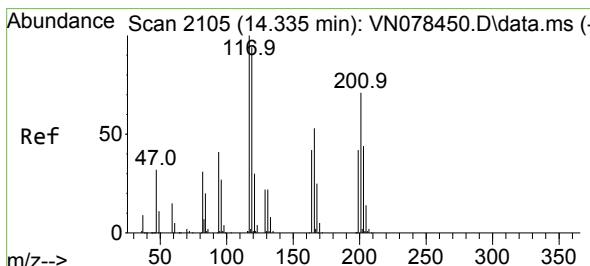
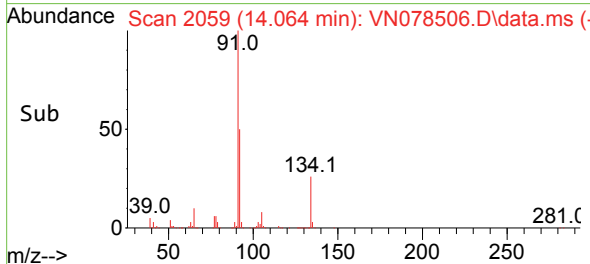
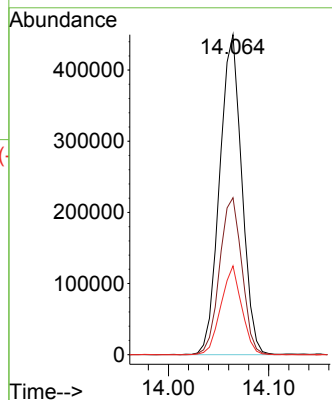
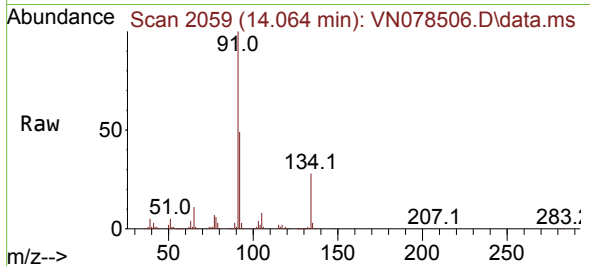




#89  
n-Butylbenzene  
Concen: 49.997 ug/l  
RT: 14.064 min Scan# 2059  
Delta R.T. 0.005 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

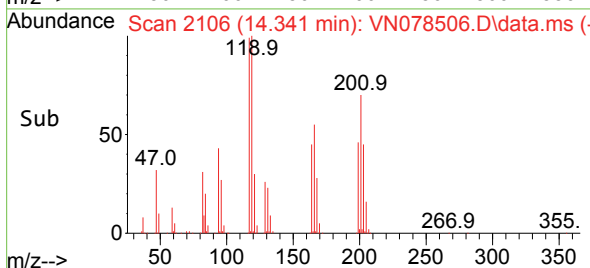
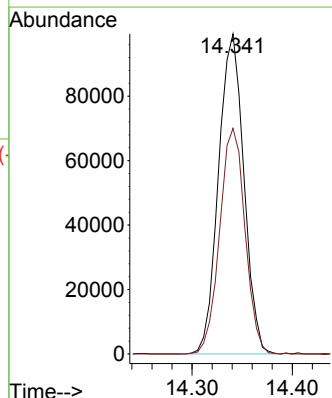
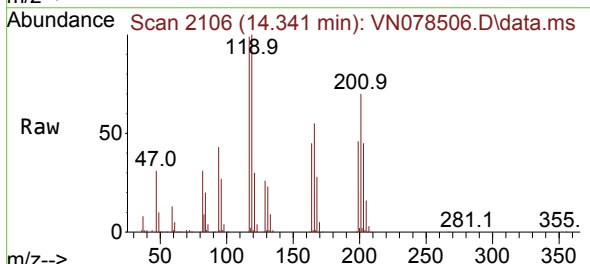
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

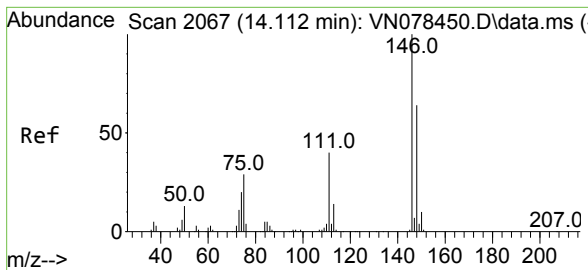
Tgt Ion: 91 Resp: 690322  
Ion Ratio Lower Upper  
91 100  
92 49.4 26.4 79.0  
134 26.0 12.6 37.6



#90  
Hexachloroethane  
Concen: 49.044 ug/l  
RT: 14.341 min Scan# 2106  
Delta R.T. 0.006 min  
Lab File: VN078506.D  
Acq: 13 Jul 2023 19:05

Tgt Ion: 117 Resp: 174004  
Ion Ratio Lower Upper  
117 100  
201 70.6 29.3 88.0

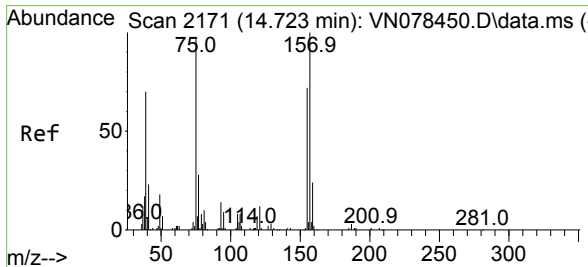
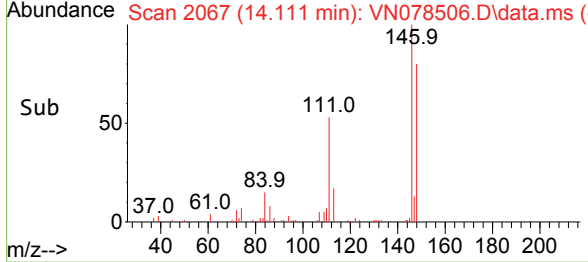
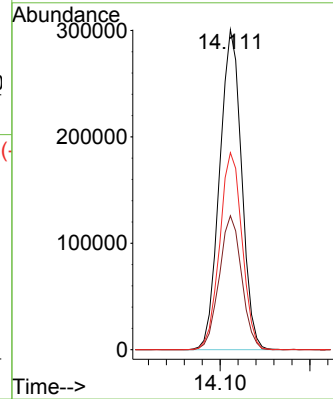
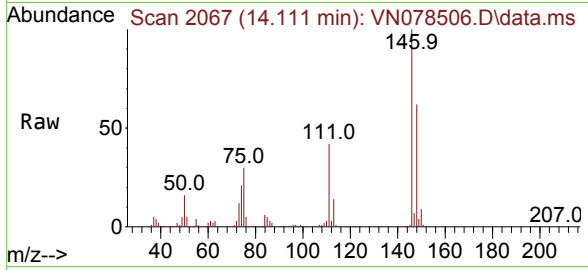




#91  
 1,2-Dichlorobenzene  
 Concen: 47.200 ug/l  
 RT: 14.111 min Scan# 2067  
 Delta R.T. -0.001 min  
 Lab File: VN078506.D  
 Acq: 13 Jul 2023 19:05

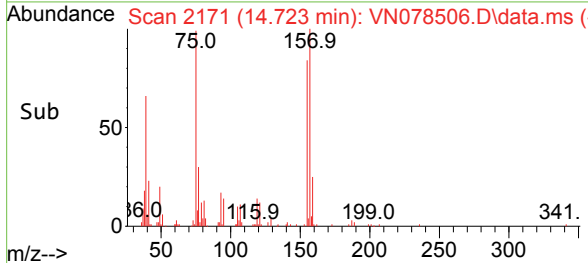
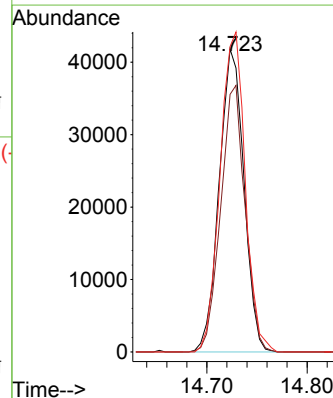
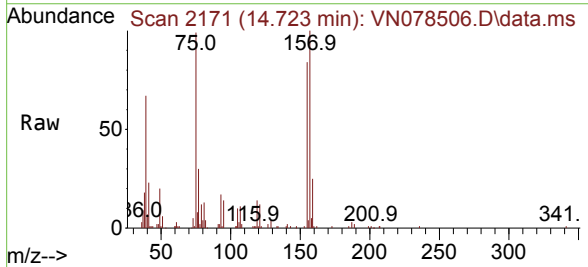
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

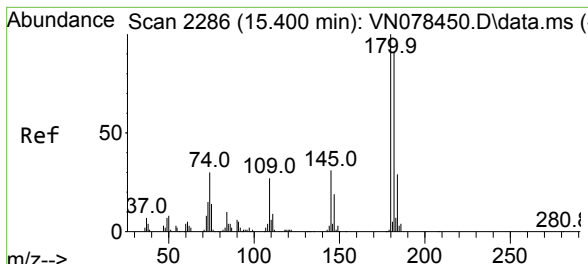
|             |                |
|-------------|----------------|
| Tgt Ion:146 | Resp: 511091   |
| Ion Ratio   | Lower Upper    |
| 146         | 100            |
| 111         | 42.7 22.0 66.0 |
| 148         | 62.9 31.8 95.3 |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 52.852 ug/l  
 RT: 14.723 min Scan# 2171  
 Delta R.T. 0.000 min  
 Lab File: VN078506.D  
 Acq: 13 Jul 2023 19:05

|             |                  |
|-------------|------------------|
| Tgt Ion: 75 | Resp: 71564      |
| Ion Ratio   | Lower Upper      |
| 75          | 100              |
| 155         | 86.9 39.1 117.2  |
| 157         | 107.4 50.3 150.9 |

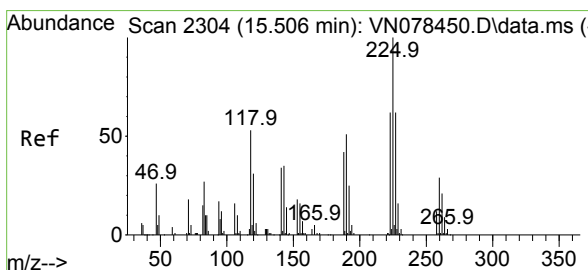
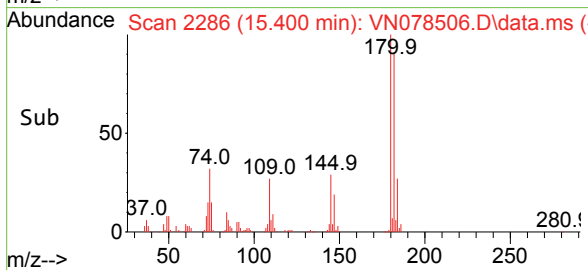
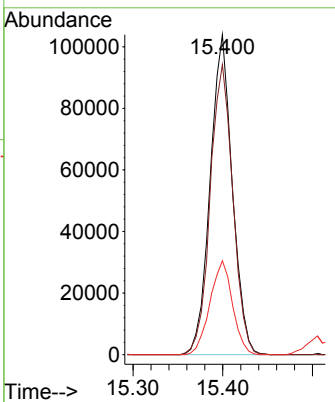
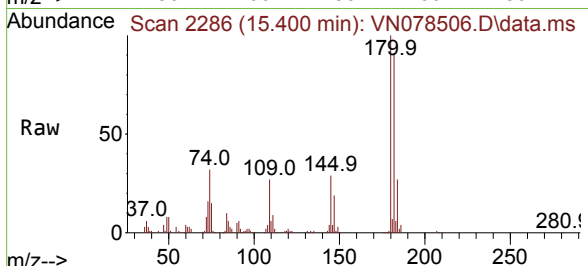




#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.435 ug/l  
 RT: 15.400 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN078506.D  
 Acq: 13 Jul 2023 19:05

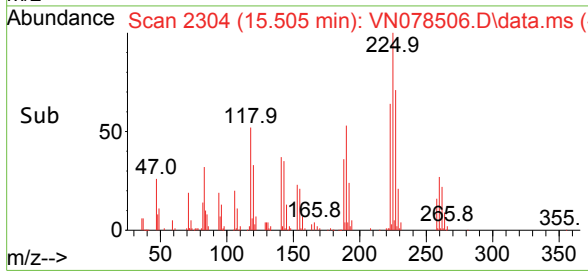
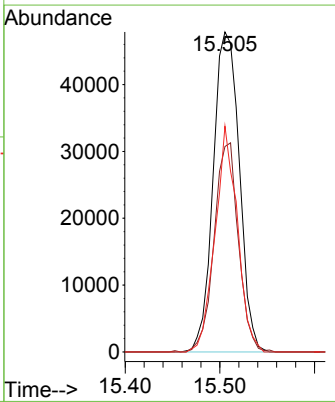
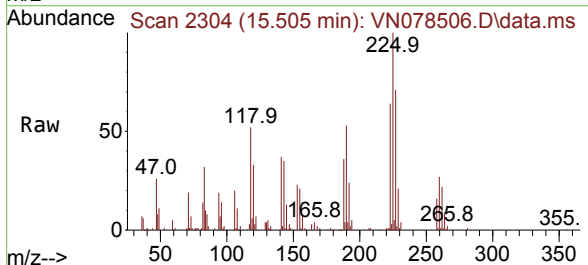
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

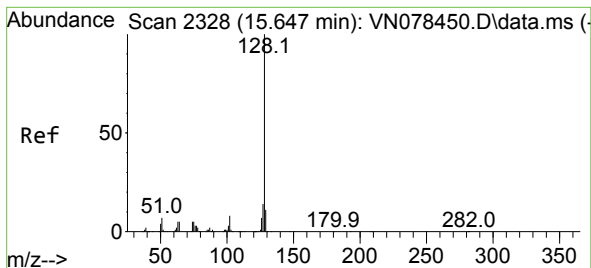
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 177752 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 92.7  | 46.1  | 138.2  |
| 145       | 30.0  | 16.6  | 49.8   |



#94  
 Hexachlorobutadiene  
 Concen: 51.409 ug/l  
 RT: 15.505 min Scan# 2304  
 Delta R.T. -0.001 min  
 Lab File: VN078506.D  
 Acq: 13 Jul 2023 19:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 91698 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 61.0  | 31.3  | 93.8  |
| 227       | 60.3  | 31.9  | 95.9  |





#95

Naphthalene

Concen: 47.475 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

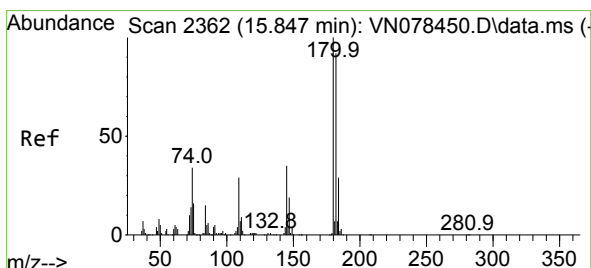
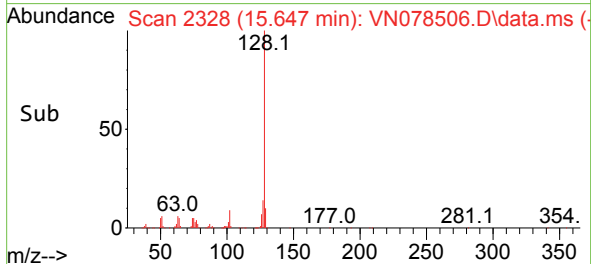
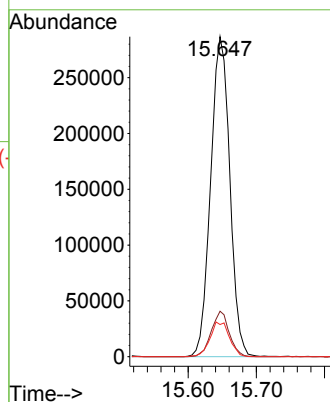
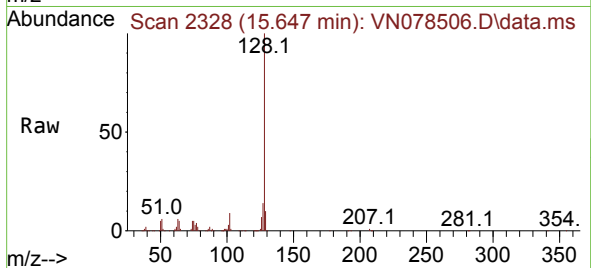
Tgt Ion:128 Resp: 560883

Ion Ratio Lower Upper

128 100

127 13.4 10.0 15.0

129 11.0 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 48.145 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN078506.D

Acq: 13 Jul 2023 19:05

Tgt Ion:180 Resp: 191314

Ion Ratio Lower Upper

180 100

182 97.6 46.2 138.6

145 34.8 17.5 52.6

