

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061323\  
 Data File : VN078176.D  
 Acq On : 13 Jun 2023 09:52  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jun 14 02:11:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 07 05:05:00 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.235  | 168  | 419591   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 734858   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 642631   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 267369   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 288866   | 51.635   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 103.260% |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 245151   | 52.761   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 105.520% |      |
| 50) Toluene-d8              | 10.571 | 98    | 940106   | 52.484   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 104.960% |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 298981   | 53.691   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 107.380% |      |

|                              |       |     |         |         |           |
|------------------------------|-------|-----|---------|---------|-----------|
| Target Compounds             |       |     |         |         | Qvalue    |
| 2) Dichlorodifluoromethane   | 2.130 | 85  | 196636  | 41.458  | ug/l 98   |
| 3) Chloromethane             | 2.371 | 50  | 219237  | 49.100  | ug/l 100  |
| 4) Vinyl Chloride            | 2.524 | 62  | 275799  | 44.406  | ug/l 96   |
| 5) Bromomethane              | 2.953 | 94  | 202910  | 43.230  | ug/l 95   |
| 6) Chloroethane              | 3.124 | 64  | 194252  | 45.881  | ug/l 97   |
| 7) Trichlorofluoromethane    | 3.506 | 101 | 378636  | 44.956  | ug/l 95   |
| 8) Diethyl Ether             | 3.971 | 74  | 132097  | 44.638  | ug/l 81   |
| 9) 1,1,2-Trichlorotrifluo... | 4.383 | 101 | 210462  | 47.349  | ug/l 97   |
| 10) Methyl Iodide            | 4.600 | 142 | 284749  | 45.299  | ug/l 98   |
| 11) Tert butyl alcohol       | 5.530 | 59  | 173035  | 224.001 | ug/l 99   |
| 12) 1,1-Dichloroethene       | 4.347 | 96  | 198406  | 43.302  | ug/l 93   |
| 13) Acrolein                 | 4.189 | 56  | 188531  | 221.445 | ug/l 95   |
| 14) Allyl chloride           | 5.030 | 41  | 264471  | 47.285  | ug/l 92   |
| 15) Acrylonitrile            | 5.730 | 53  | 481530  | 241.785 | ug/l 99   |
| 16) Acetone                  | 4.436 | 43  | 416200  | 258.464 | ug/l 96   |
| 17) Carbon Disulfide         | 4.718 | 76  | 517088  | 43.845  | ug/l 100  |
| 18) Methyl Acetate           | 5.030 | 43  | 343681  | 46.358  | ug/l 89   |
| 19) Methyl tert-butyl Ether  | 5.806 | 73  | 694318  | 47.494  | ug/l 97   |
| 20) Methylene Chloride       | 5.283 | 84  | 240097  | 45.120  | ug/l # 90 |
| 21) trans-1,2-Dichloroethene | 5.794 | 96  | 222686  | 45.061  | ug/l 87   |
| 22) Diisopropyl ether        | 6.677 | 45  | 672577  | 51.121  | ug/l 96   |
| 23) Vinyl Acetate            | 6.612 | 43  | 1976618 | 252.740 | ug/l # 90 |
| 24) 1,1-Dichloroethane       | 6.583 | 63  | 427579  | 49.266  | ug/l 97   |
| 25) 2-Butanone               | 7.488 | 43  | 619492  | 250.172 | ug/l 91   |
| 26) 2,2-Dichloropropane      | 7.500 | 77  | 365677  | 57.063  | ug/l 99   |
| 27) cis-1,2-Dichloroethene   | 7.494 | 96  | 271924  | 46.130  | ug/l 92   |
| 28) Bromochloromethane       | 7.818 | 49  | 213180  | 53.497  | ug/l 87   |
| 29) Tetrahydrofuran          | 7.841 | 42  | 399291  | 241.205 | ug/l 85   |
| 30) Chloroform               | 7.971 | 83  | 465173  | 49.774  | ug/l 92   |
| 31) Cyclohexane              | 8.265 | 56  | 343239  | 47.829  | ug/l 91   |
| 32) 1,1,1-Trichloroethane    | 8.171 | 97  | 413021  | 50.338  | ug/l 97   |
| 36) 1,1-Dichloropropene      | 8.377 | 75  | 334692  | 50.218  | ug/l 97   |
| 37) Ethyl Acetate            | 7.565 | 43  | 253739  | 48.735  | ug/l 95   |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 354206  | 50.333  | ug/l 96   |
| 39) Methylcyclohexane        | 9.606 | 83  | 338801  | 49.053  | ug/l 89   |
| 40) Benzene                  | 8.612 | 78  | 997551  | 50.136  | ug/l 99   |

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

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jun 14 02:11:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 07 05:05:00 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 135747   | 48.102  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 348254   | 51.048  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 461153   | 46.314  | ug/l   | 95       |
| 44) Trichloroethene           | 9.359  | 130  | 247972   | 47.192  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.629  | 63   | 256190   | 51.751  | ug/l   | 97       |
| 46) Dibromomethane            | 9.718  | 93   | 179831   | 49.319  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.894  | 83   | 366647   | 54.133  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.688  | 41   | 213584   | 51.114  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 84624    | 963.556 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 1321765  | 252.085 | ug/l   | 94       |
| 52) Toluene                   | 10.635 | 92   | 633843   | 50.455  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 378056   | 53.596  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 414714   | 53.186  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 250265   | 52.663  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 352357   | 50.921  | ug/l # | 90       |
| 57) 1,3-Dichloropropane       | 11.171 | 76   | 418494   | 52.171  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 746165   | 266.934 | ug/l   | 92       |
| 59) 2-Hexanone                | 11.200 | 43   | 931236   | 255.071 | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.365 | 129  | 274250   | 52.739  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.476 | 107  | 248830   | 49.894  | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.106 | 164  | 210455   | 49.089  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.894 | 112  | 670284   | 48.704  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 253479   | 50.077  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.970 | 91   | 1207796  | 50.862  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.076 | 106  | 923010   | 101.991 | ug/l   | 97       |
| 69) o-Xylene                  | 12.400 | 106  | 449226   | 50.548  | ug/l   | 97       |
| 70) Styrene                   | 12.418 | 104  | 725096   | 51.825  | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 167303   | 51.217  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.700 | 105  | 1143515  | 45.228  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.500 | 43   | 361183   | 43.381  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 340681   | 48.939  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 410075   | 64.878  | ug/l   | 74       |
| 77) Bromobenzene              | 12.982 | 156  | 256730   | 43.742  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.041 | 91   | 1320961  | 48.088  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 797957   | 45.002  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 954125   | 46.611  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 101911   | 49.536  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 764850   | 46.218  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 797022   | 44.793  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 931723   | 46.948  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.623 | 105  | 1061963  | 45.599  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 870644   | 46.067  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 449650   | 45.292  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146  | 431965   | 45.092  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 665262   | 44.628  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.341 | 117  | 165655   | 49.391  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 447888   | 46.161  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 53939    | 43.071  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 158276   | 45.784  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 75284    | 44.112  | ug/l   | 99       |
| 95) Naphthalene               | 15.647 | 128  | 470834   | 40.489  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 164836   | 42.633  | ug/l   | 96       |

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

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: Jun 14 02:11:39 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 07 05:05:00 2023  
Response via : Initial Calibration

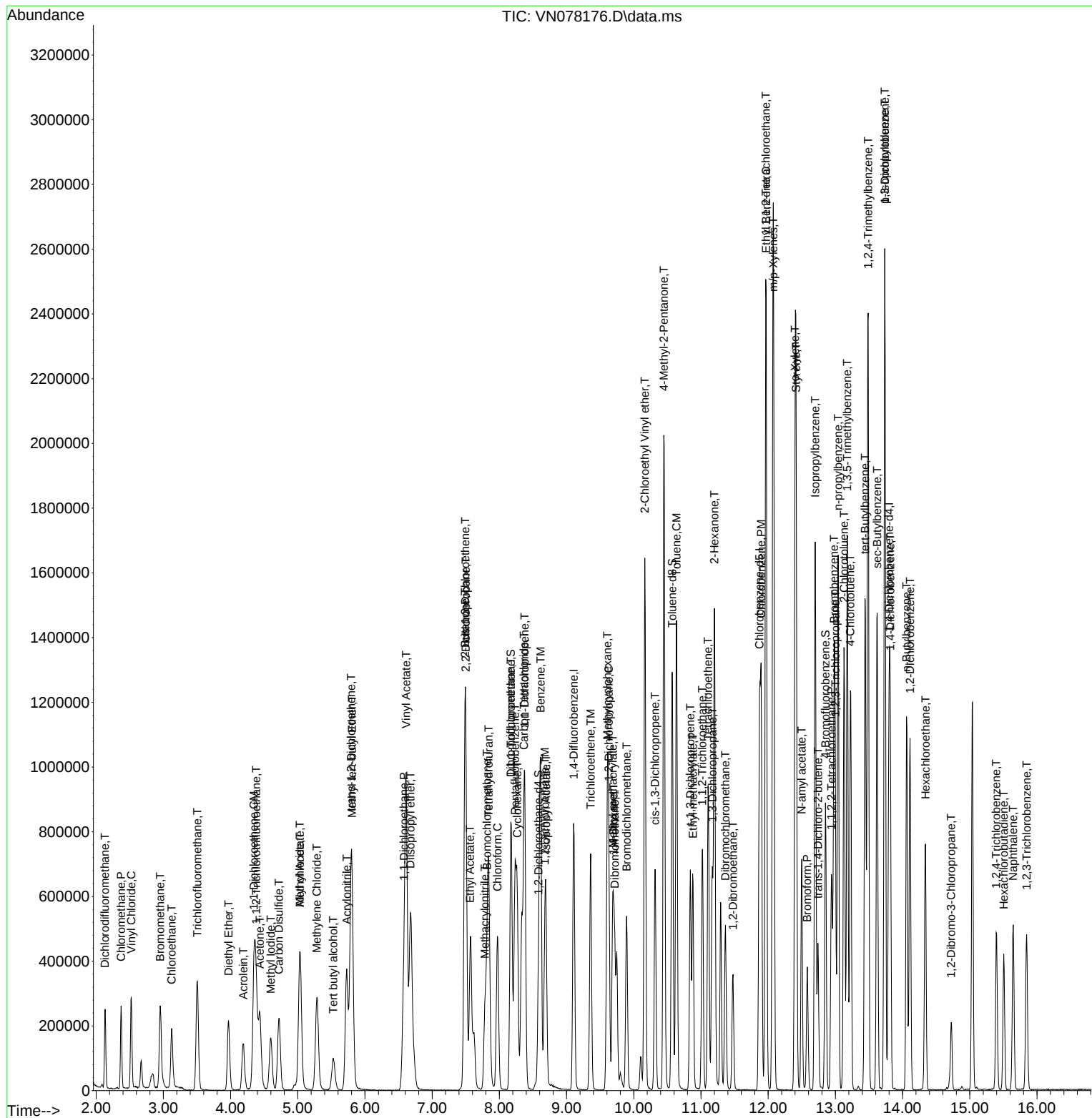
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

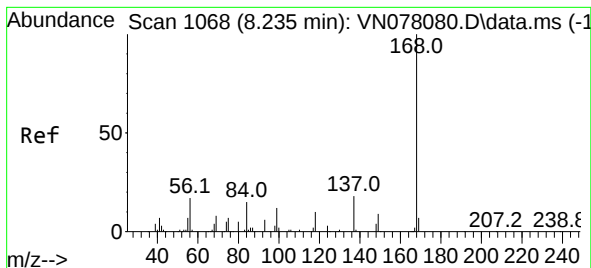
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061323\  
Data File : VN078176.D  
Acq On    : 13 Jun 2023   09:52  
Operator  : JC\MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 1      Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDCCC050

Quant Time: Jun 14 02:11:39 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 07 05:05:00 2023  
Response via : Initial Calibration

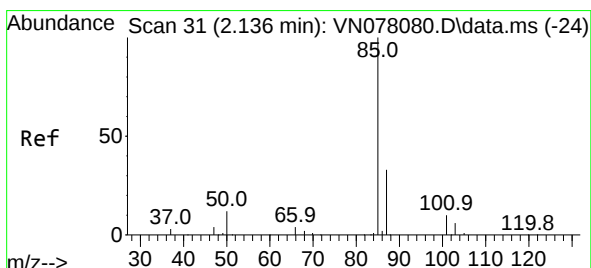
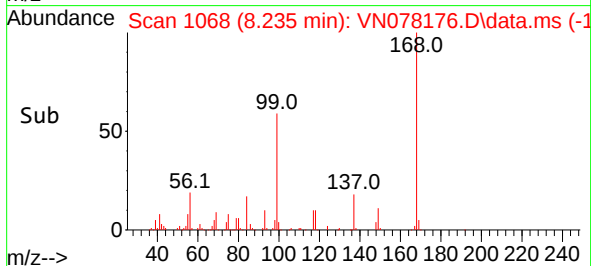
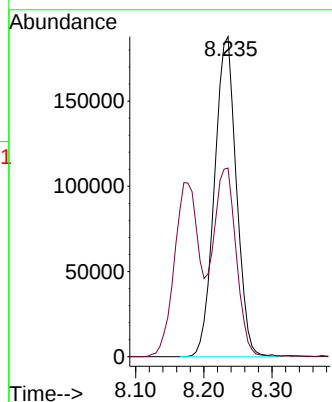
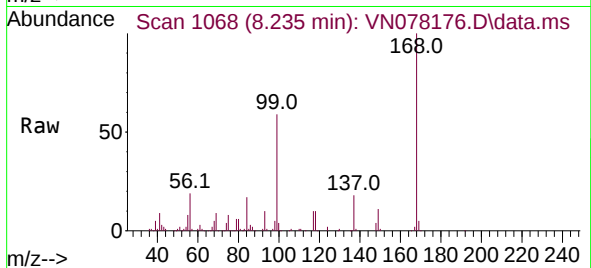




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

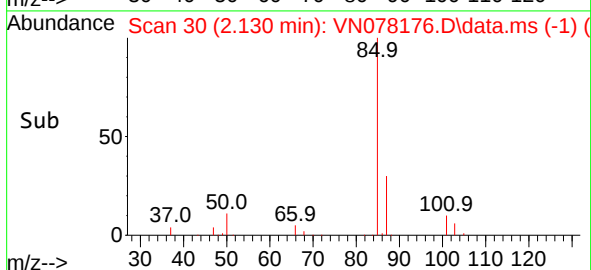
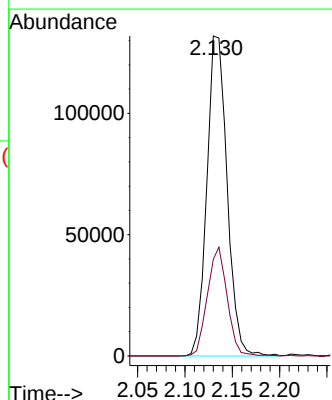
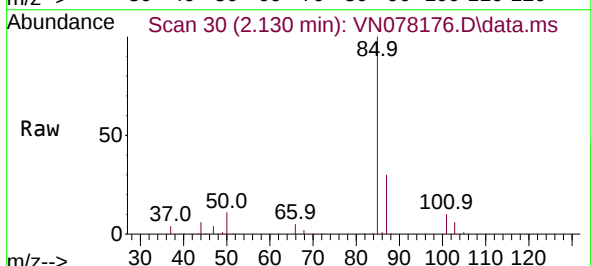
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

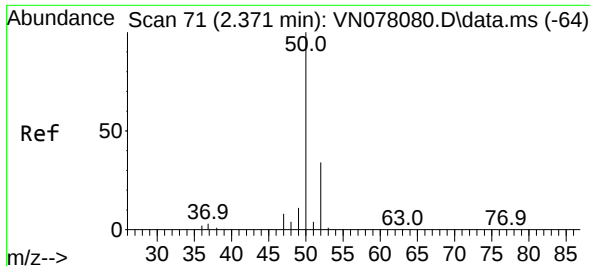
Tgt Ion:168 Resp: 419591  
Ion Ratio Lower Upper  
168 100  
99 58.7 53.0 79.6



#2  
Dichlorodifluoromethane  
Concen: 41.458 ug/l  
RT: 2.130 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 85 Resp: 196636  
Ion Ratio Lower Upper  
85 100  
87 30.2 15.8 47.4





#3  
 Chloromethane  
 Concen: 49.100 ug/l  
 RT: 2.371 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VN078176.D  
 Acq: 13 Jun 2023 09:52

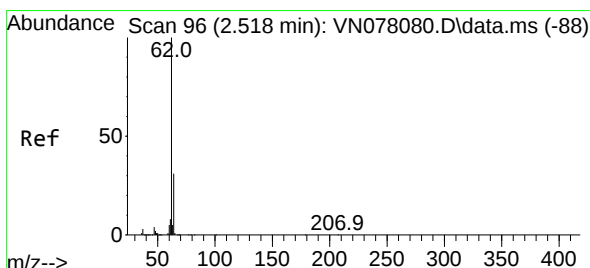
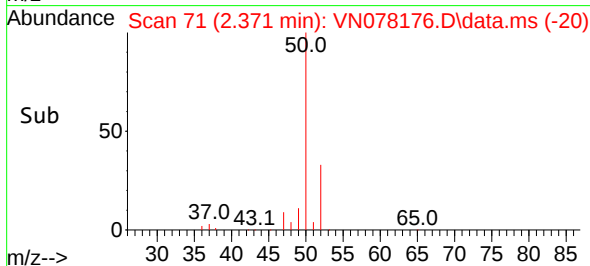
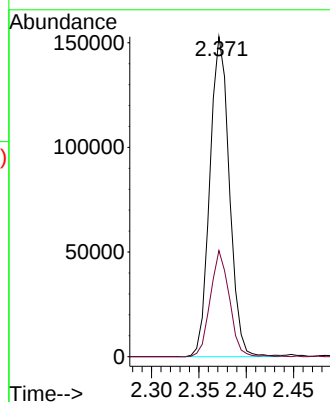
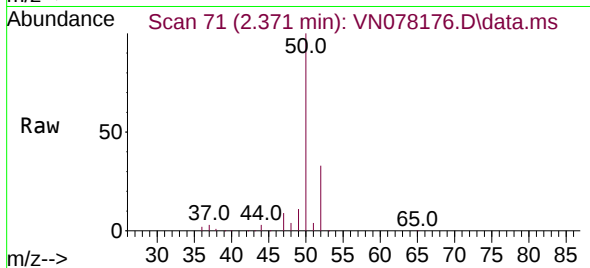
Instrument :

MSVOA\_N

ClientSampleId :

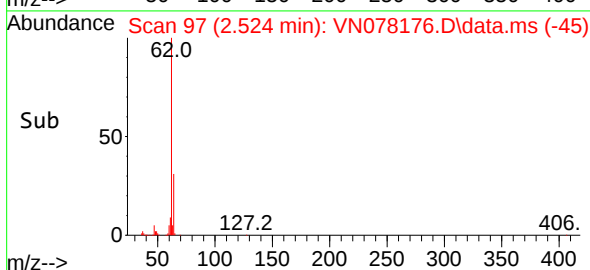
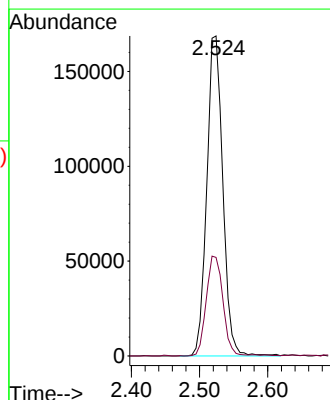
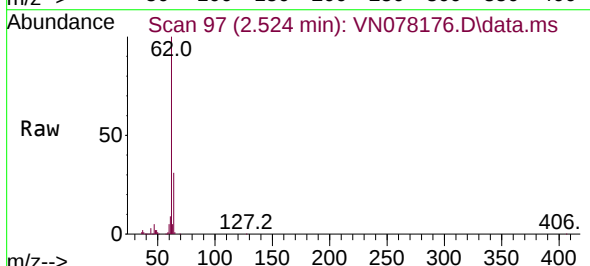
VSTDCCC050

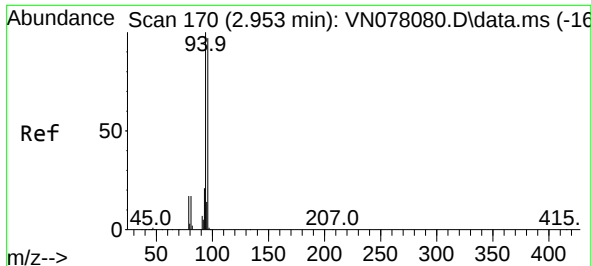
Tgt Ion: 50 Resp: 219237  
 Ion Ratio Lower Upper  
 50 100  
 52 33.1 26.5 39.7



#4  
 Vinyl Chloride  
 Concen: 44.406 ug/l  
 RT: 2.524 min Scan# 97  
 Delta R.T. 0.006 min  
 Lab File: VN078176.D  
 Acq: 13 Jun 2023 09:52

Tgt Ion: 62 Resp: 275799  
 Ion Ratio Lower Upper  
 62 100  
 64 30.7 26.2 39.2

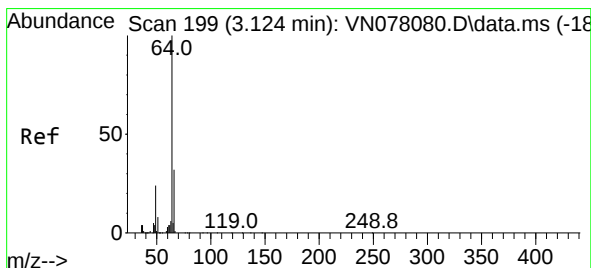
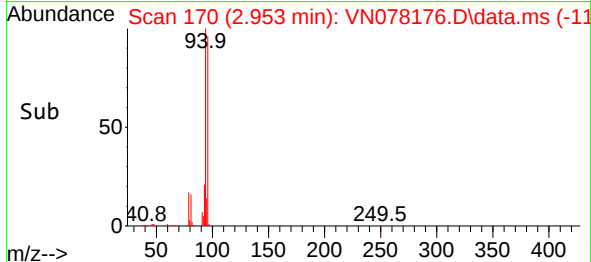
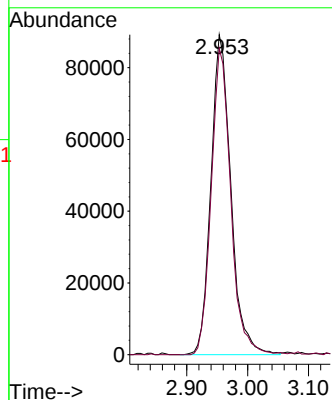
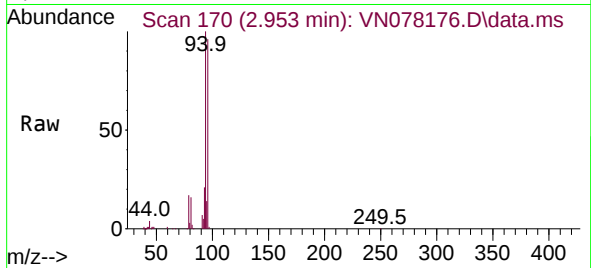




#5  
Bromomethane  
Concen: 43.230 ug/l  
RT: 2.953 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

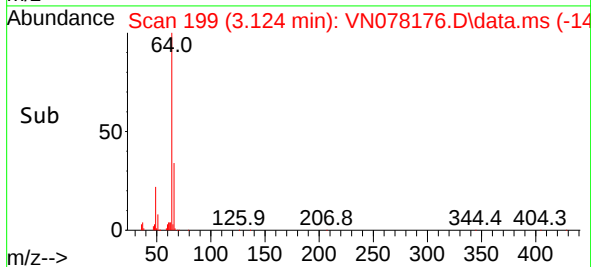
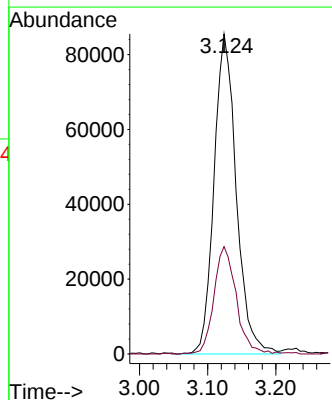
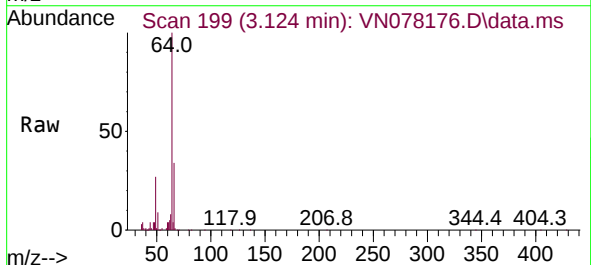
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

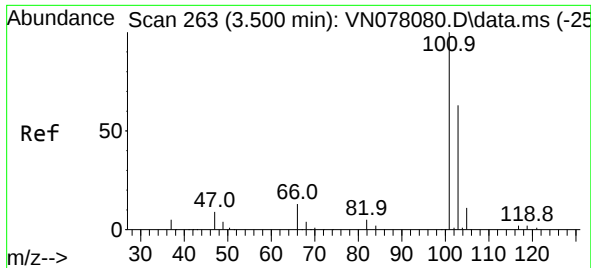
Tgt Ion: 94 Resp: 202910  
Ion Ratio Lower Upper  
94 100  
96 95.7 73.1 109.7



#6  
Chloroethane  
Concen: 45.881 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 64 Resp: 194252  
Ion Ratio Lower Upper  
64 100  
66 33.6 25.4 38.2

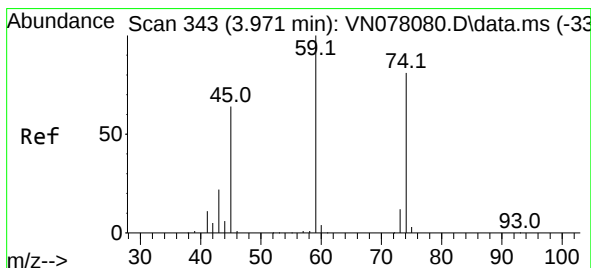
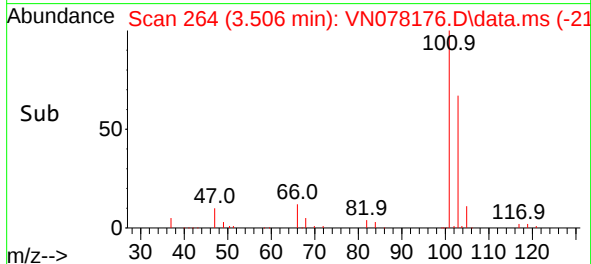
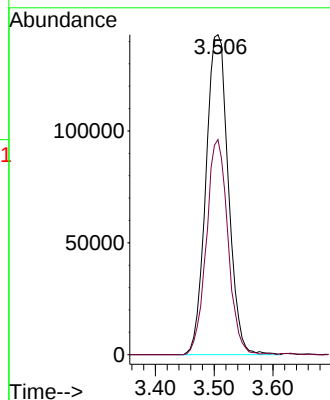
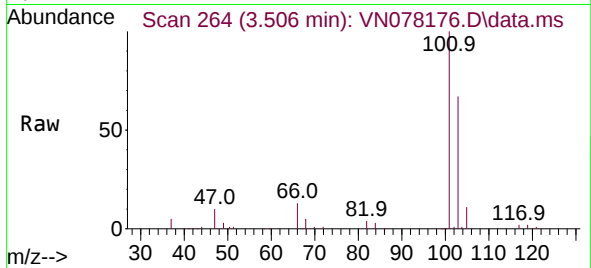




#7  
 Trichlorofluoromethane  
 Concen: 44.956 ug/l  
 RT: 3.506 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN078176.D  
 Acq: 13 Jun 2023 09:52

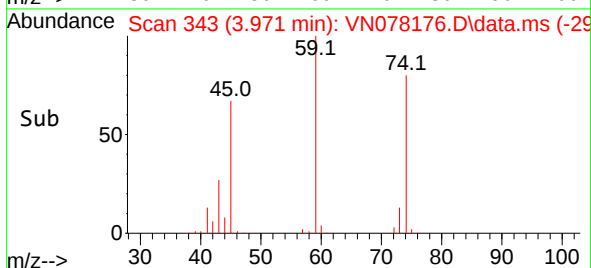
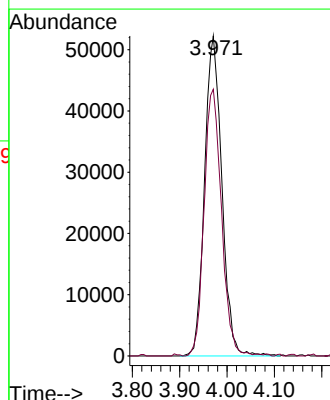
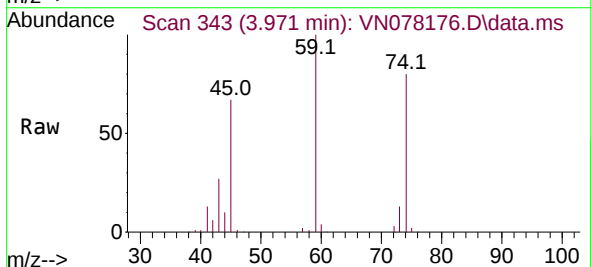
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

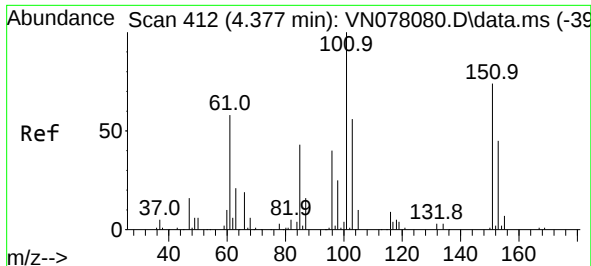
Tgt Ion:101 Resp: 378636  
 Ion Ratio Lower Upper  
 101 100  
 103 67.2 50.7 76.1



#8  
 Diethyl Ether  
 Concen: 44.638 ug/l  
 RT: 3.971 min Scan# 343  
 Delta R.T. 0.000 min  
 Lab File: VN078176.D  
 Acq: 13 Jun 2023 09:52

Tgt Ion: 74 Resp: 132097  
 Ion Ratio Lower Upper  
 74 100  
 45 84.2 34.4 103.3

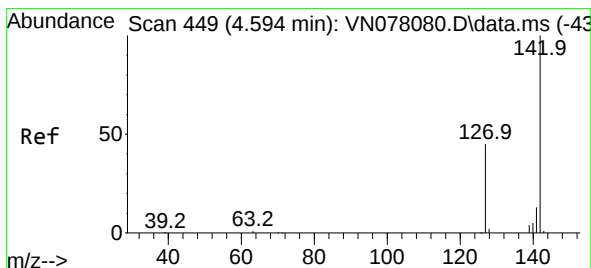
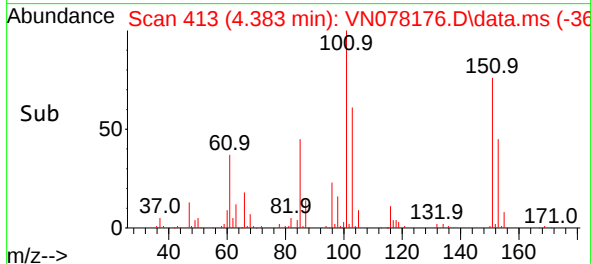
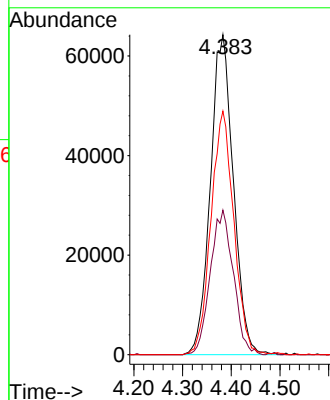
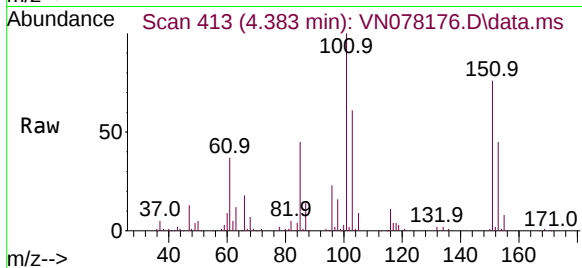




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 47.349 ug/l  
RT: 4.383 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

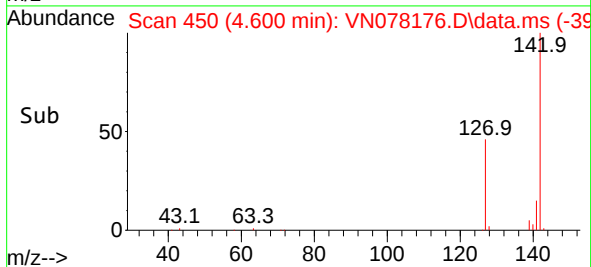
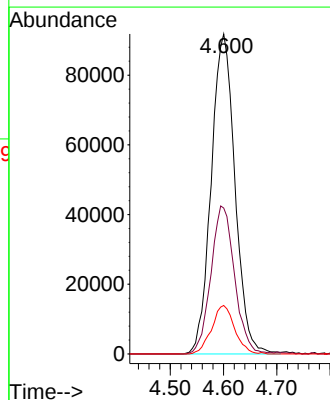
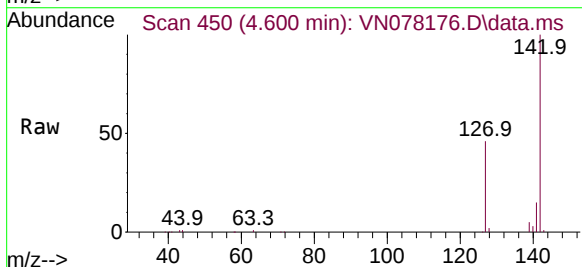
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

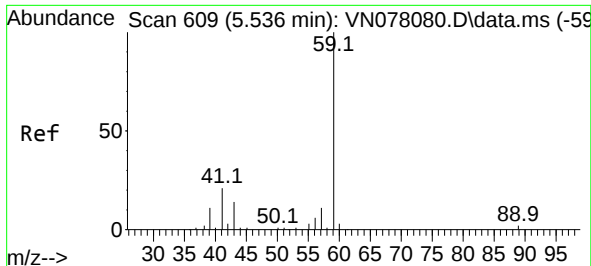
Tgt Ion:101 Resp: 210462  
Ion Ratio Lower Upper  
101 100  
85 45.3 36.6 55.0  
151 75.8 57.6 86.4



#10  
Methyl Iodide  
Concen: 45.299 ug/l  
RT: 4.600 min Scan# 450  
Delta R.T. 0.006 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion:142 Resp: 284749  
Ion Ratio Lower Upper  
142 100  
127 45.6 37.6 56.4  
141 15.2 11.4 17.0

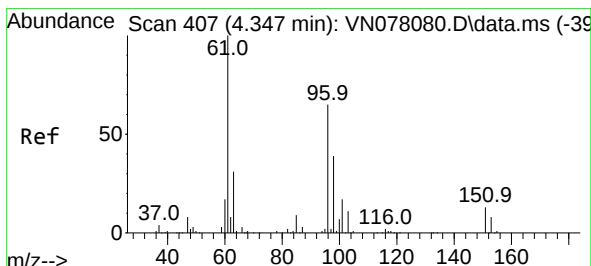
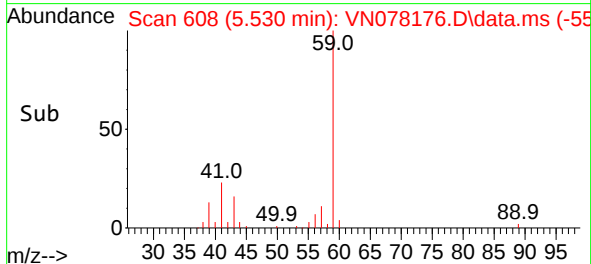
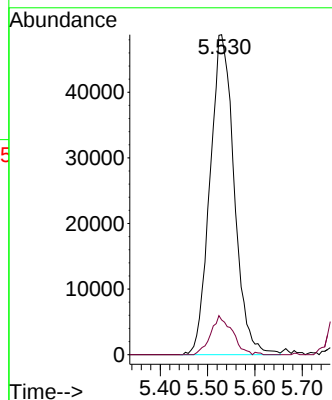
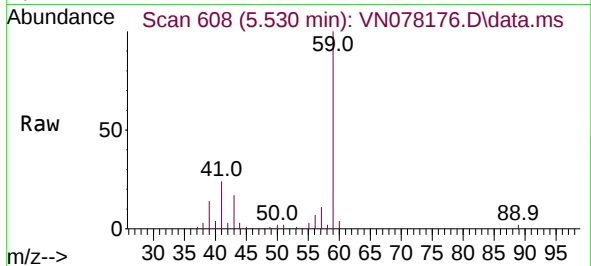




#11  
Tert butyl alcohol  
Concen: 224.001 ug/l  
RT: 5.530 min Scan# 609  
Delta R.T. -0.006 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

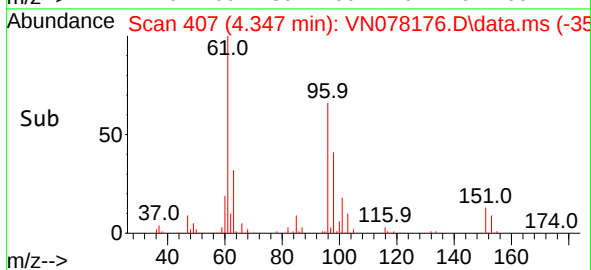
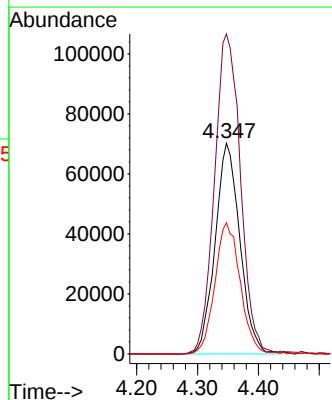
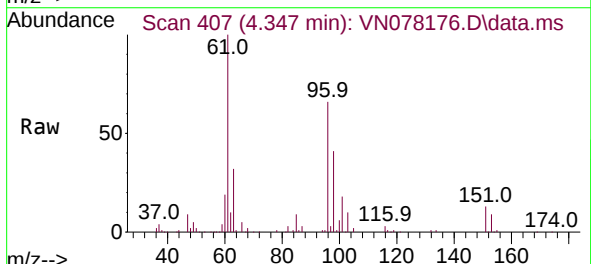
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 59 Resp: 173035  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 43.302 ug/l  
RT: 4.347 min Scan# 407  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 96 Resp: 198406  
Ion Ratio Lower Upper  
96 100  
61 151.9 112.7 169.1  
98 62.3 51.2 76.8

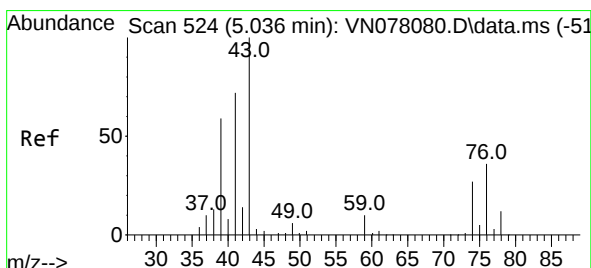
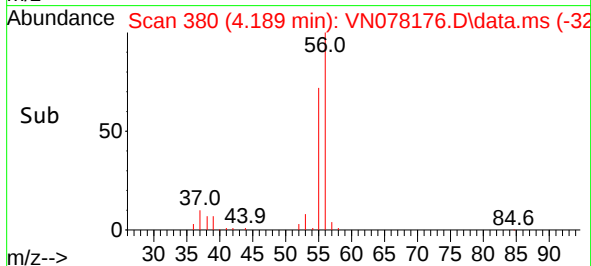
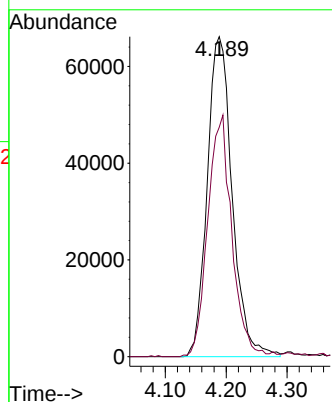
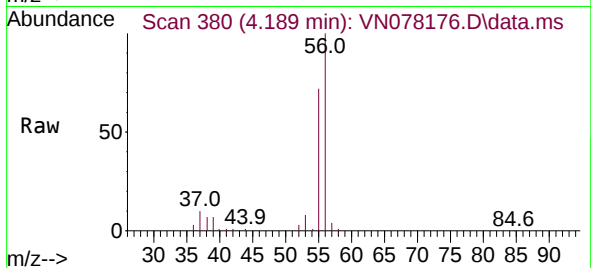




#13  
Acrolein  
Concen: 221.445 ug/l  
RT: 4.189 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

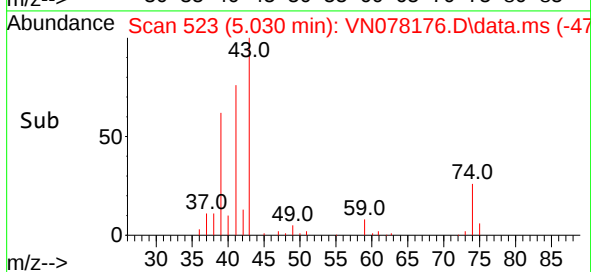
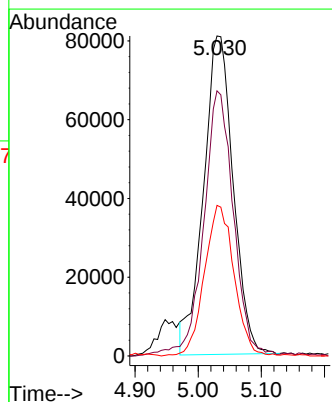
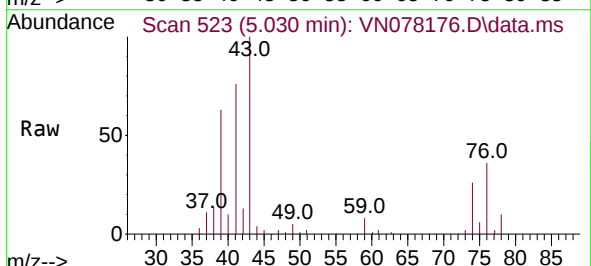
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 56 Resp: 188531  
Ion Ratio Lower Upper  
56 100  
55 72.4 54.5 81.7



#14  
Allyl chloride  
Concen: 47.285 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. -0.006 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 41 Resp: 264471  
Ion Ratio Lower Upper  
41 100  
39 83.5 58.8 88.2  
76 47.1 39.1 58.7

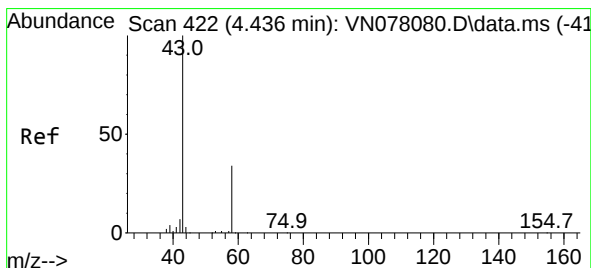
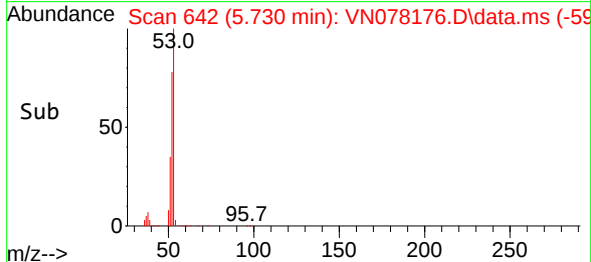
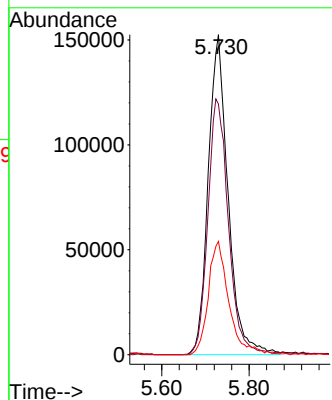
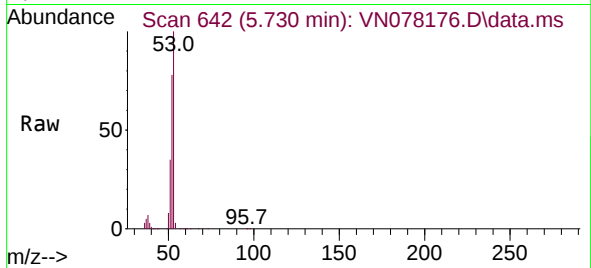




#15  
Acrylonitrile  
Concen: 241.785 ug/l  
RT: 5.730 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

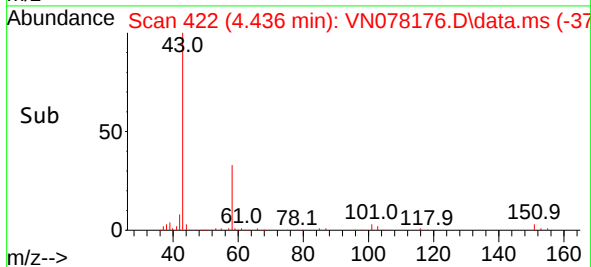
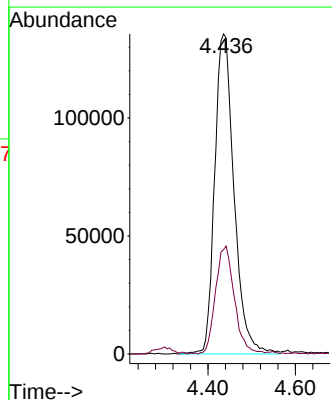
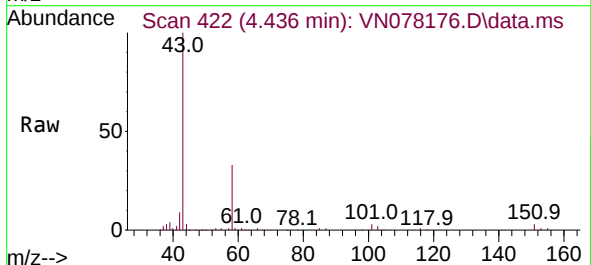
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

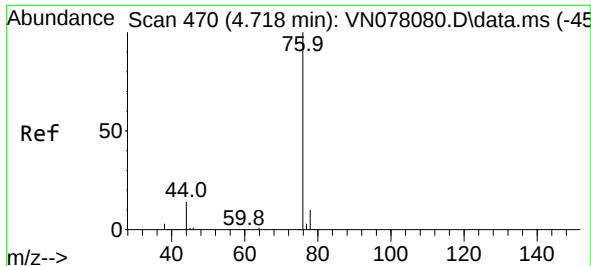
Tgt Ion: 53 Resp: 481530  
Ion Ratio Lower Upper  
53 100  
52 82.7 65.3 97.9  
51 36.8 28.9 43.3



#16  
Acetone  
Concen: 258.464 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 43 Resp: 416200  
Ion Ratio Lower Upper  
43 100  
58 32.4 28.0 42.0

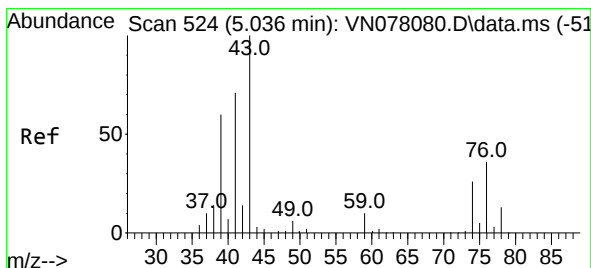
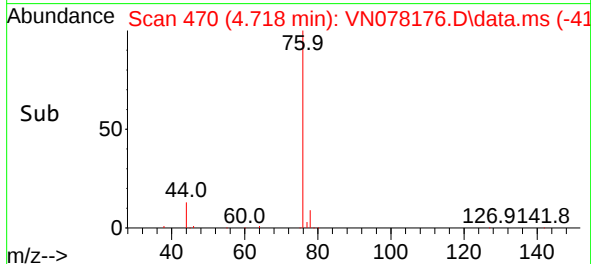
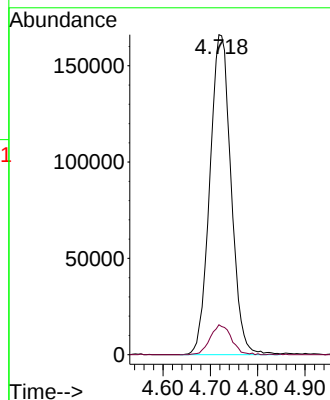
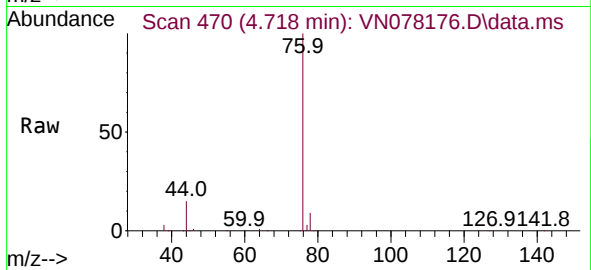




#17  
Carbon Disulfide  
Concen: 43.845 ug/l  
RT: 4.718 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

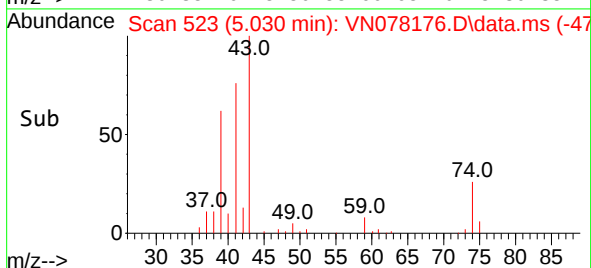
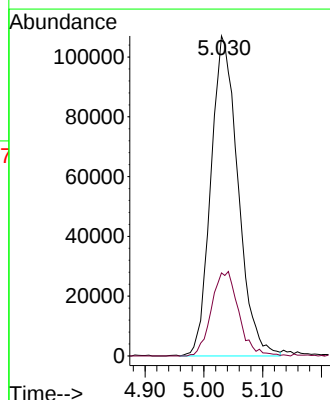
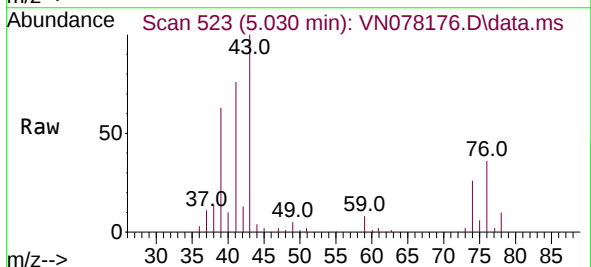
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

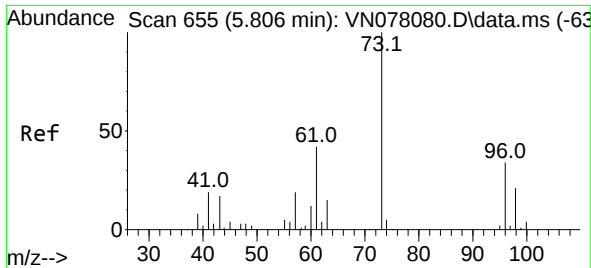
Tgt Ion: 76 Resp: 517088  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0



#18  
Methyl Acetate  
Concen: 46.358 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. -0.006 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 43 Resp: 343681  
Ion Ratio Lower Upper  
43 100  
74 26.4 26.2 39.4

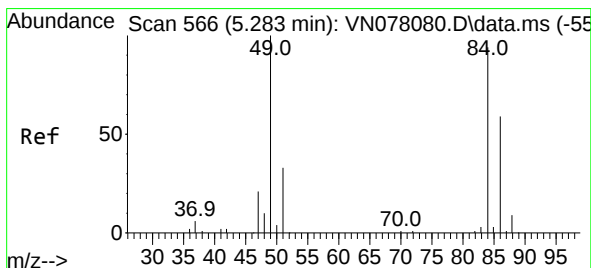
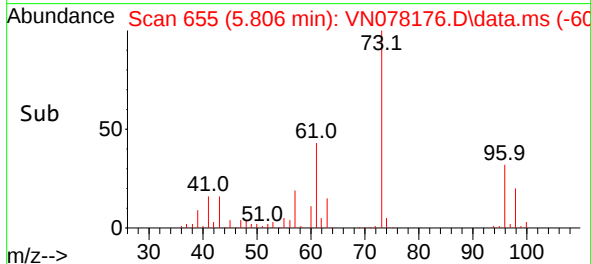
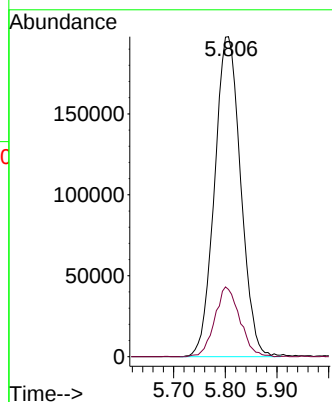
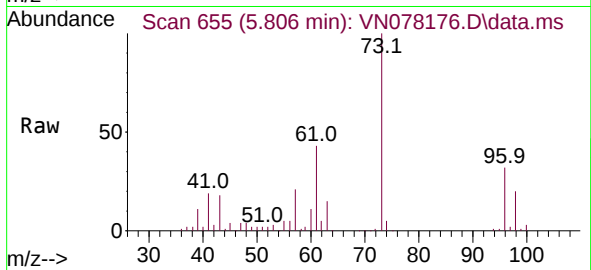




#19  
Methyl tert-butyl Ether  
Concen: 47.494 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

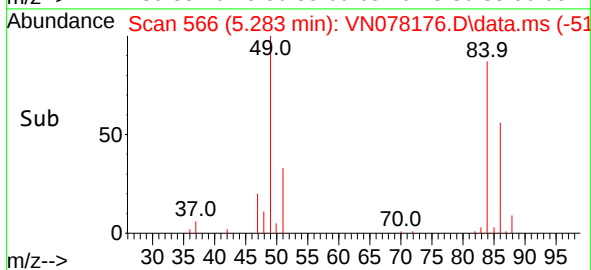
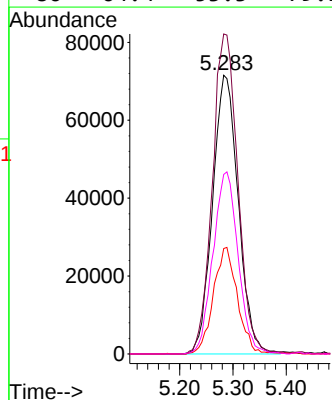
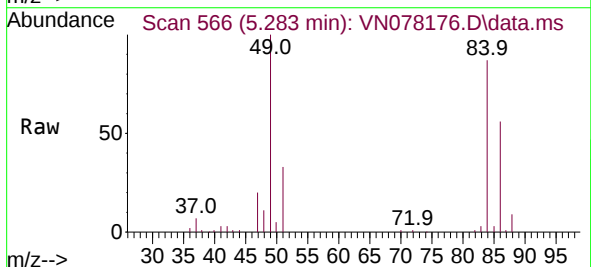
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

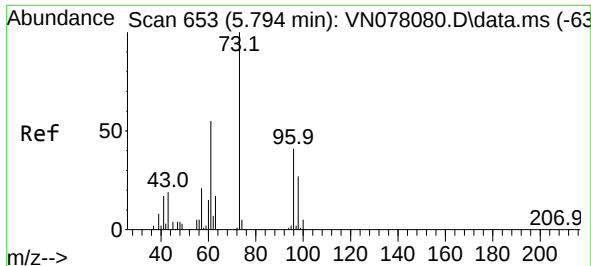
Tgt Ion: 73 Resp: 694318  
Ion Ratio Lower Upper  
73 100  
57 21.0 15.6 23.4



#20  
Methylene Chloride  
Concen: 45.120 ug/l  
RT: 5.283 min Scan# 566  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 84 Resp: 240097  
Ion Ratio Lower Upper  
84 100  
49 114.8 79.7 119.5  
51 37.8 25.2 37.8#  
86 64.4 53.3 79.9

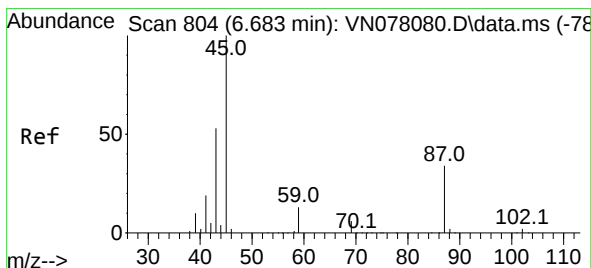
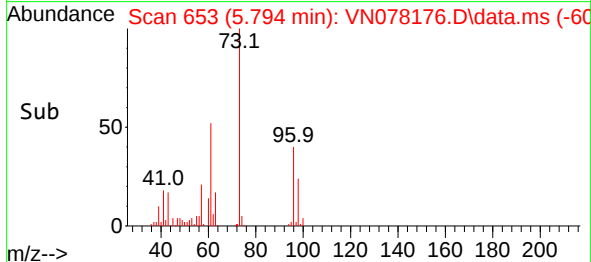
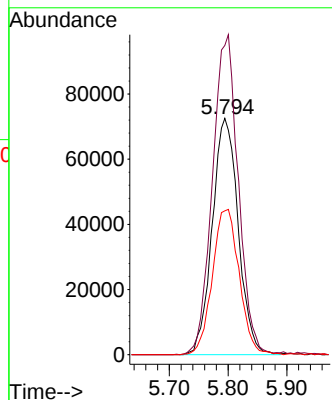
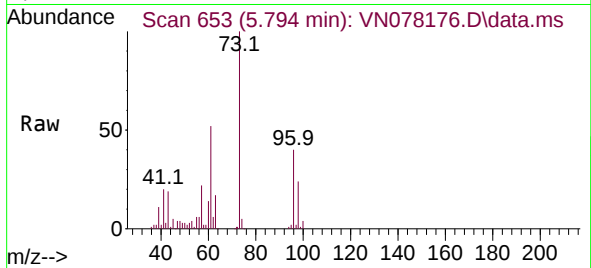




#21  
trans-1,2-Dichloroethene  
Concen: 45.061 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

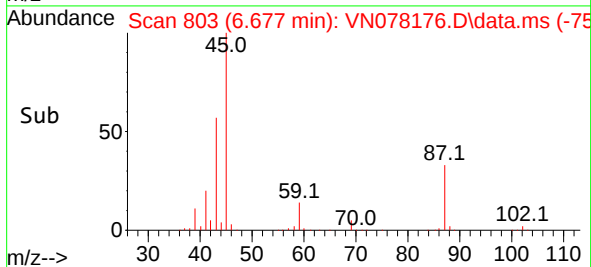
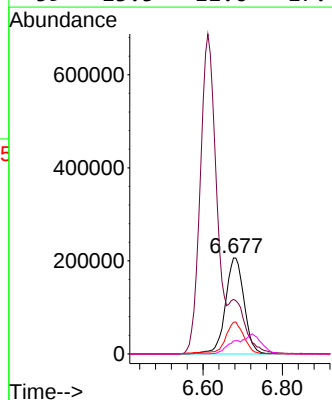
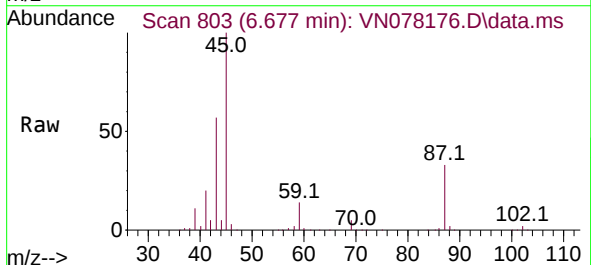
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 96 Resp: 222686  
Ion Ratio Lower Upper  
96 100  
61 130.9 90.1 135.1  
98 60.9 46.4 69.6



#22  
Diisopropyl ether  
Concen: 51.121 ug/l  
RT: 6.677 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 45 Resp: 672577  
Ion Ratio Lower Upper  
45 100  
43 56.7 45.5 68.3  
87 32.9 31.8 47.8  
59 13.5 11.6 17.4

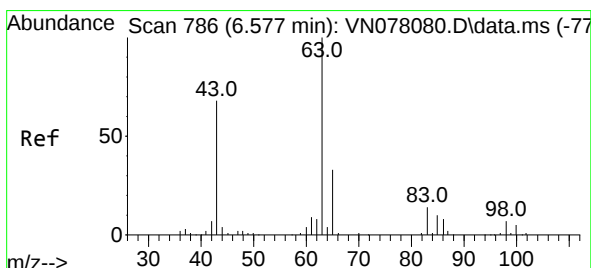
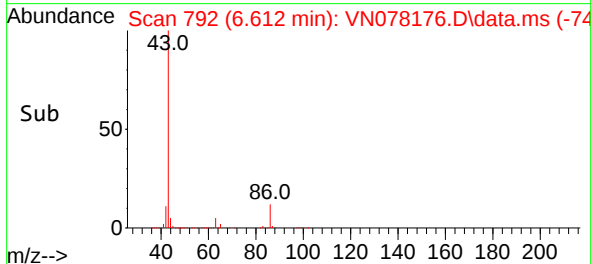
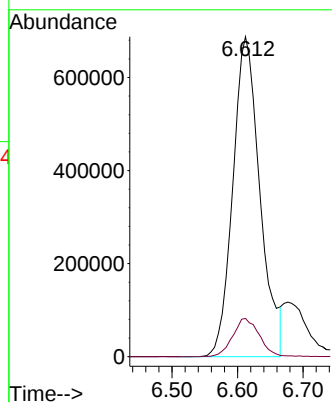
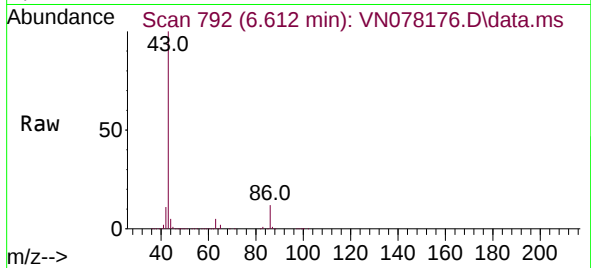




#23  
 Vinyl Acetate  
 Concen: 252.740 ug/l  
 RT: 6.612 min Scan# 792  
 Delta R.T. 0.000 min  
 Lab File: VN078176.D  
 Acq: 13 Jun 2023 09:52

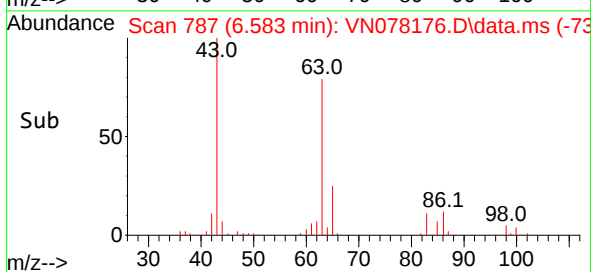
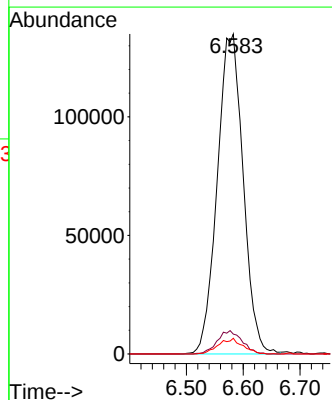
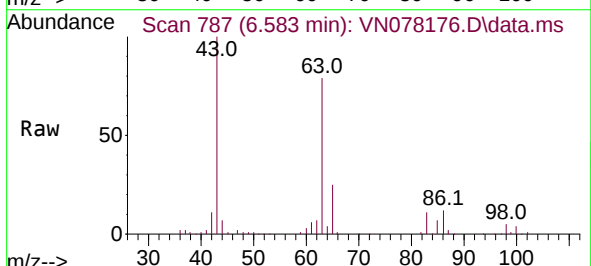
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

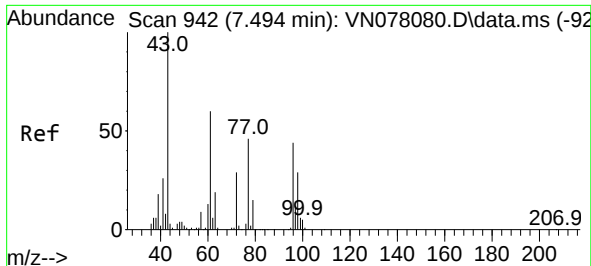
Tgt Ion: 43 Resp: 1976618  
 Ion Ratio Lower Upper  
 43 100  
 86 11.9 13.0 19.6#



#24  
 1,1-Dichloroethane  
 Concen: 49.266 ug/l  
 RT: 6.583 min Scan# 787  
 Delta R.T. 0.006 min  
 Lab File: VN078176.D  
 Acq: 13 Jun 2023 09:52

Tgt Ion: 63 Resp: 427579  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 3.9 11.7  
 100 4.9 2.5 7.4

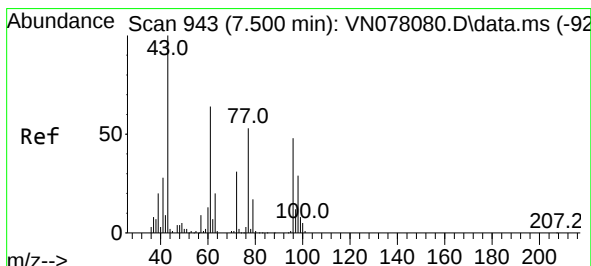
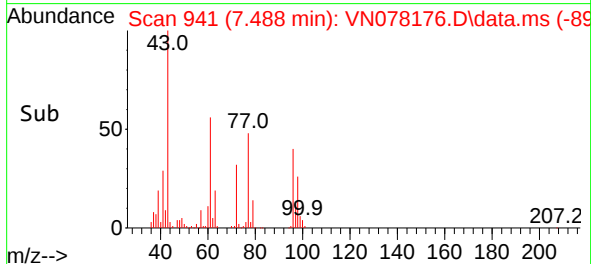
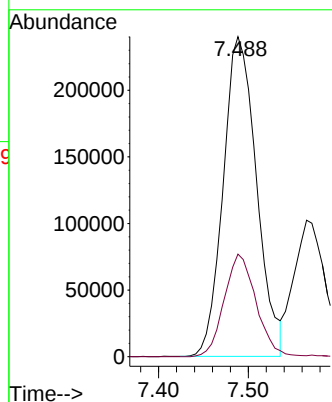
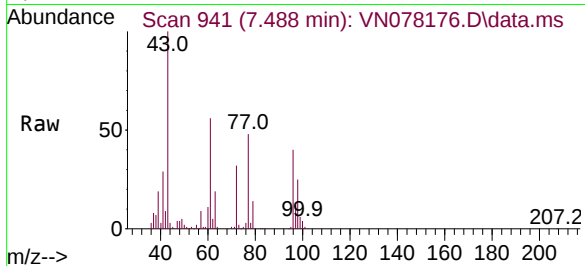




#25  
2-Butanone  
Concen: 250.172 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

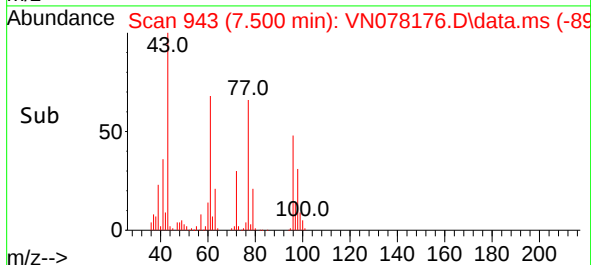
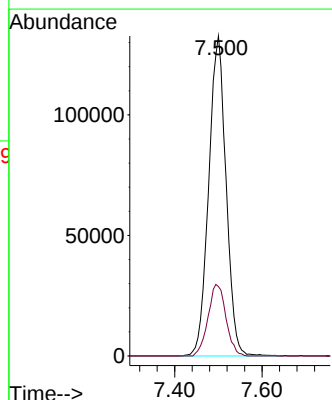
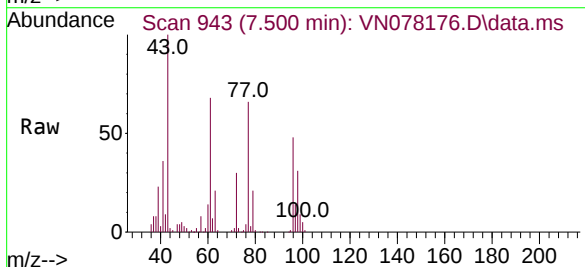
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 43 Resp: 619492  
Ion Ratio Lower Upper  
43 100  
72 32.2 30.2 45.2



#26  
2,2-Dichloropropane  
Concen: 57.063 ug/l  
RT: 7.500 min Scan# 943  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 77 Resp: 365677  
Ion Ratio Lower Upper  
77 100  
97 23.1 11.2 33.6

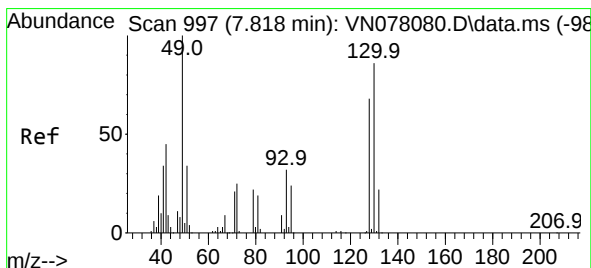
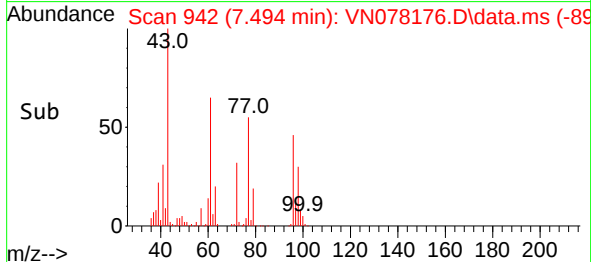
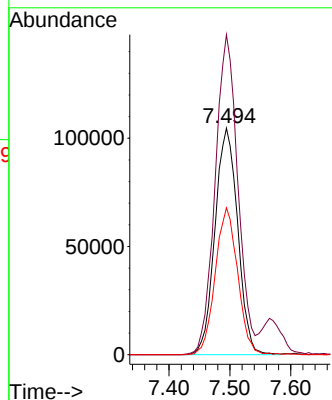
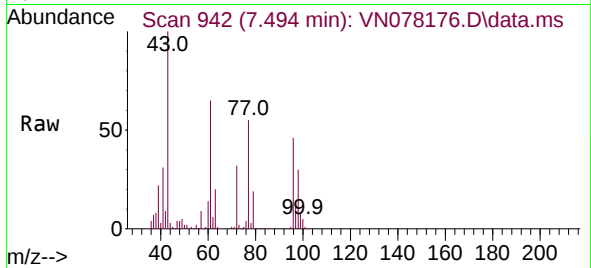




#27  
 cis-1,2-Dichloroethene  
 Concen: 46.130 ug/l  
 RT: 7.494 min Scan# 942  
 Delta R.T. 0.000 min  
 Lab File: VN078176.D  
 Acq: 13 Jun 2023 09:52

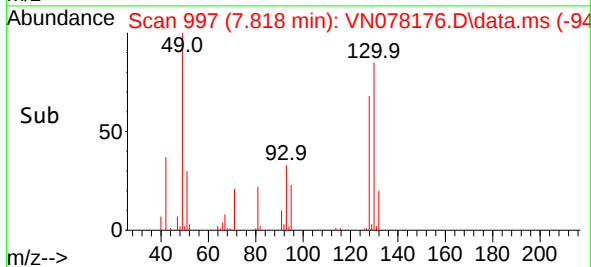
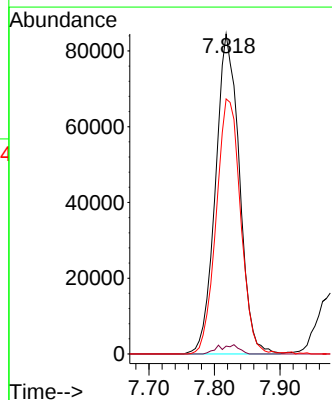
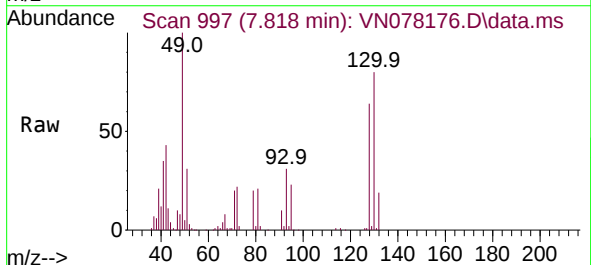
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

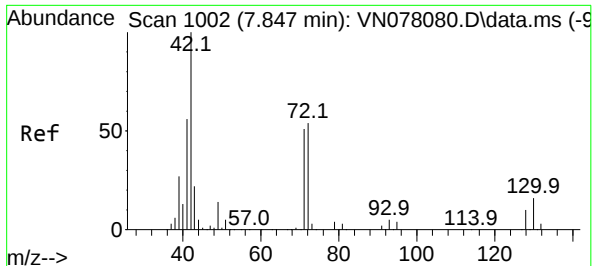
Tgt Ion: 96 Resp: 271924  
 Ion Ratio Lower Upper  
 96 100  
 61 140.7 0.0 255.2  
 98 63.9 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 53.497 ug/l  
 RT: 7.818 min Scan# 997  
 Delta R.T. 0.000 min  
 Lab File: VN078176.D  
 Acq: 13 Jun 2023 09:52

Tgt Ion: 49 Resp: 213180  
 Ion Ratio Lower Upper  
 49 100  
 129 1.6 0.0 4.8  
 130 81.5 75.3 112.9





#29

Tetrahydrofuran

Concen: 241.205 ug/l

RT: 7.841 min Scan# 1002

Delta R.T. -0.006 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

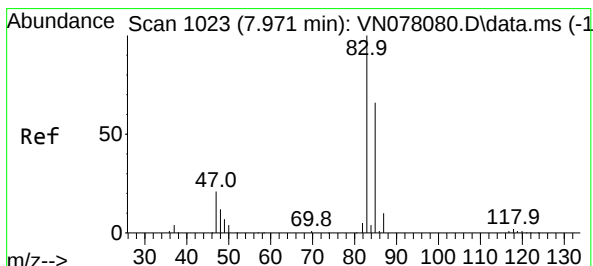
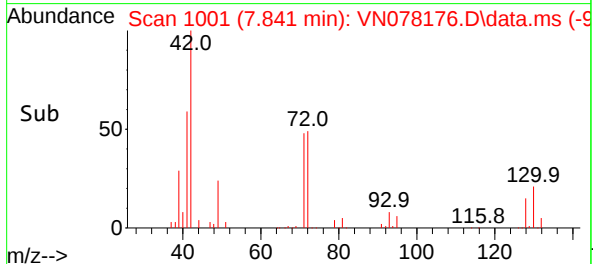
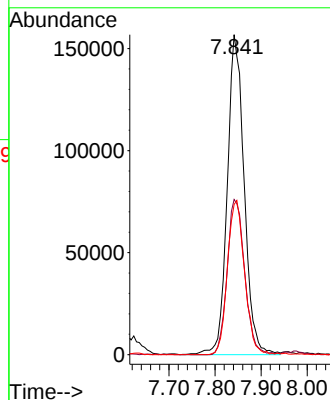
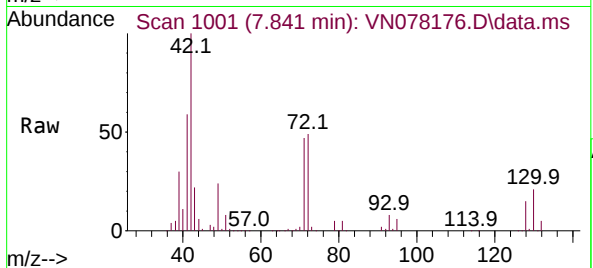
Tgt Ion: 42 Resp: 399291

Ion Ratio Lower Upper

42 100

72 50.1 49.8 74.6

71 48.8 47.4 71.2



#30

Chloroform

Concen: 49.774 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN078176.D

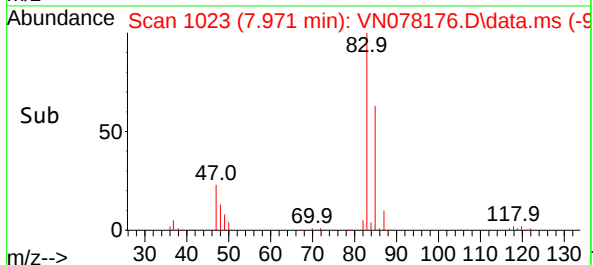
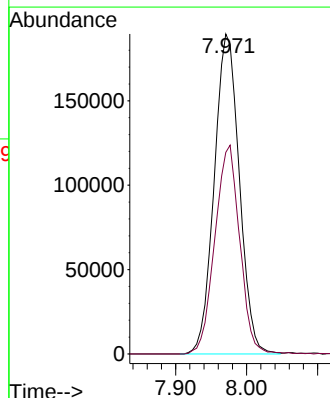
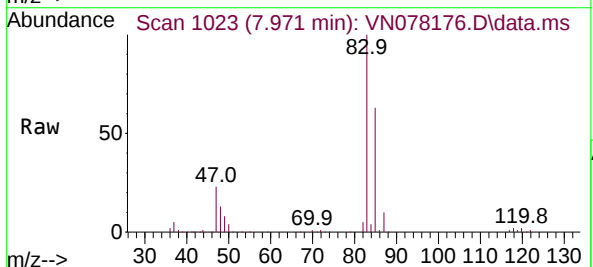
Acq: 13 Jun 2023 09:52

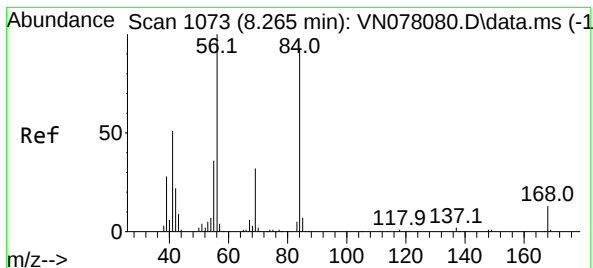
Tgt Ion: 83 Resp: 465173

Ion Ratio Lower Upper

83 100

85 63.0 55.4 83.0





#31

Cyclohexane

Concen: 47.829 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

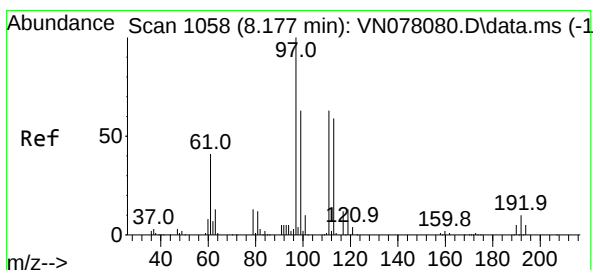
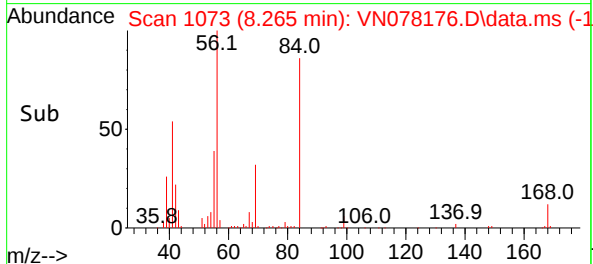
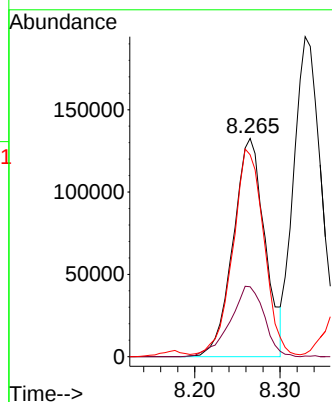
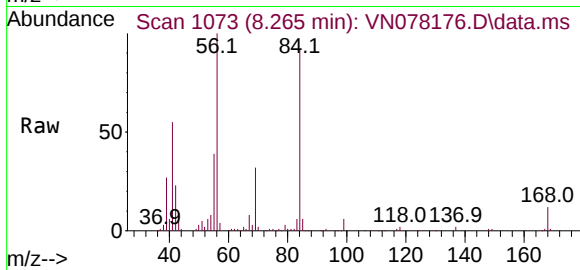
Tgt Ion: 56 Resp: 343239

Ion Ratio Lower Upper

56 100

69 32.0 26.8 40.2

84 90.7 81.8 122.6



#32

1,1,1-Trichloroethane

Concen: 50.338 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

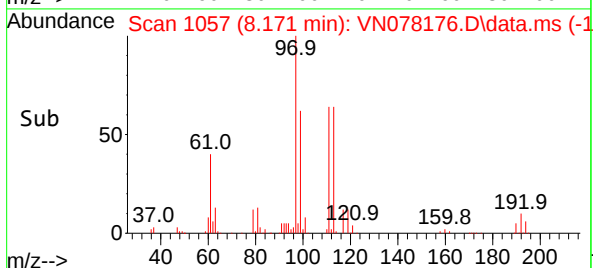
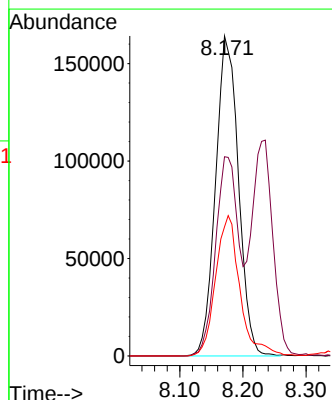
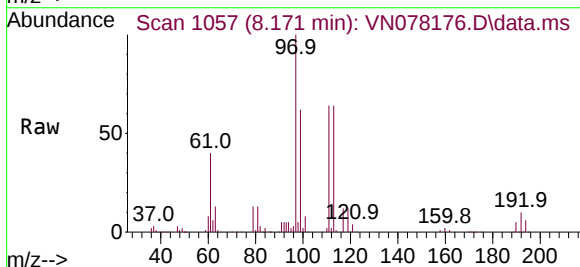
Tgt Ion: 97 Resp: 413021

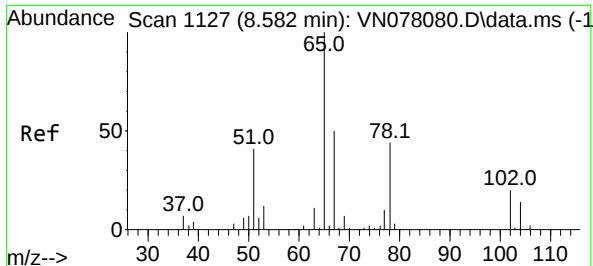
Ion Ratio Lower Upper

97 100

99 61.6 50.3 75.5

61 46.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 51.635 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

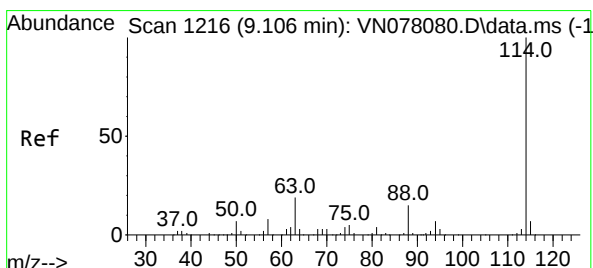
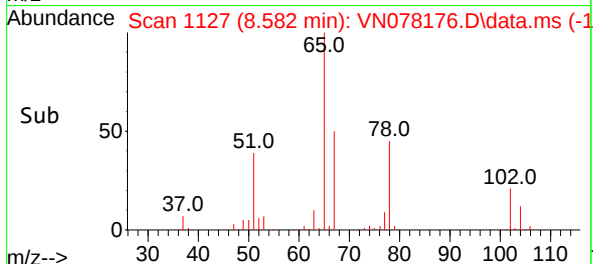
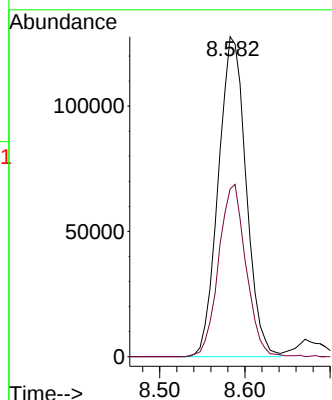
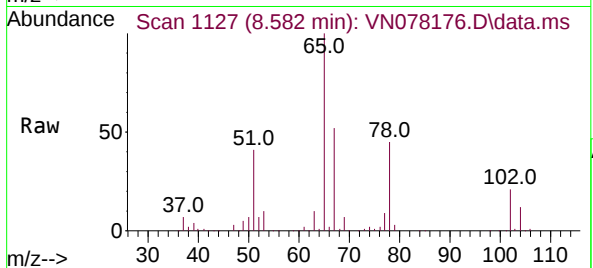
VSTDCCC050

Tgt Ion: 65 Resp: 288866

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

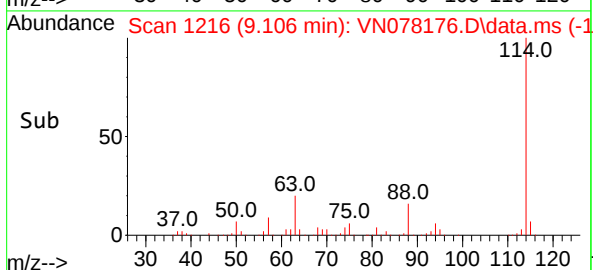
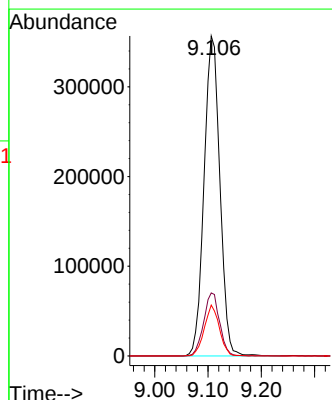
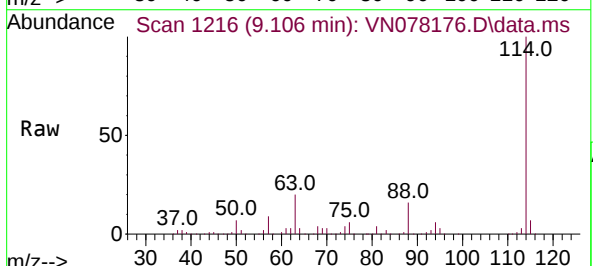
Tgt Ion: 114 Resp: 734858

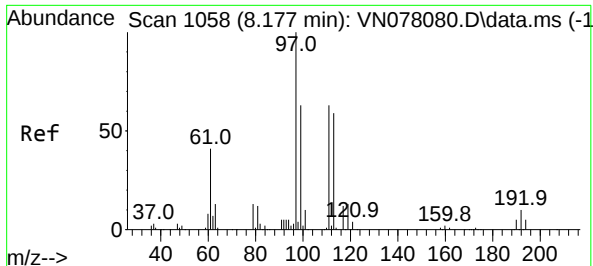
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.761 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

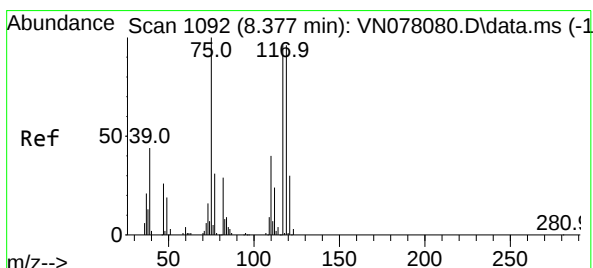
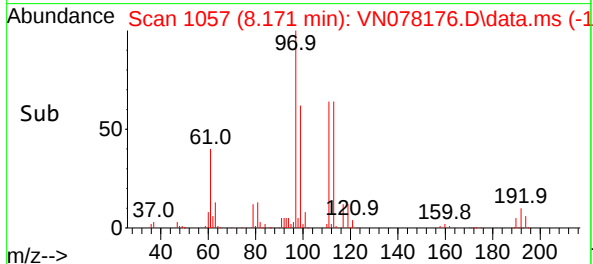
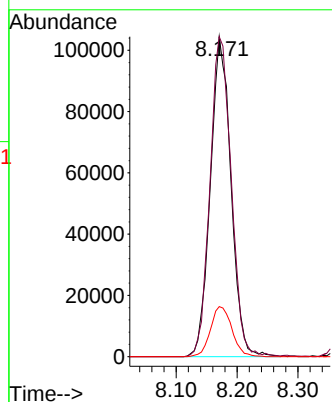
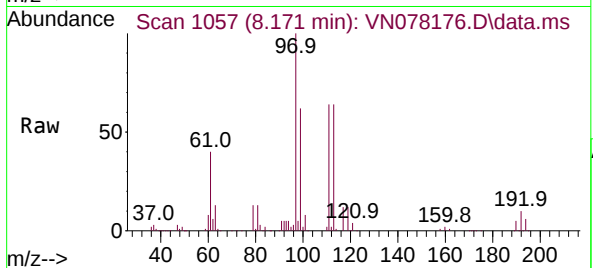
Tgt Ion:113 Resp: 245151

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 16.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 50.218 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

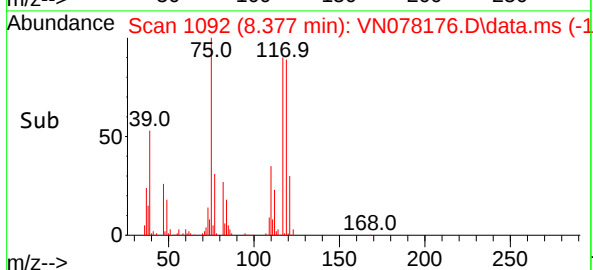
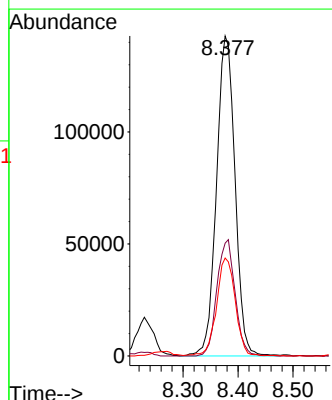
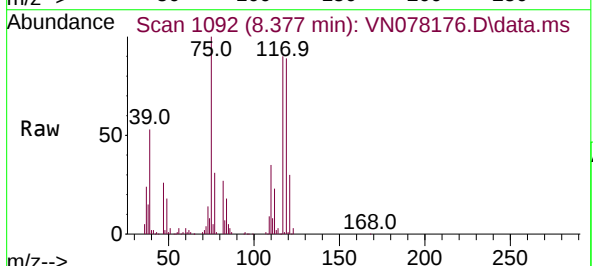
Tgt Ion: 75 Resp: 334692

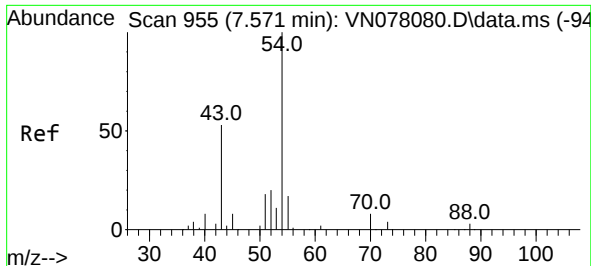
Ion Ratio Lower Upper

75 100

110 35.7 19.1 57.3

77 30.8 25.0 37.4





#37

Ethyl Acetate

Concen: 48.735 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

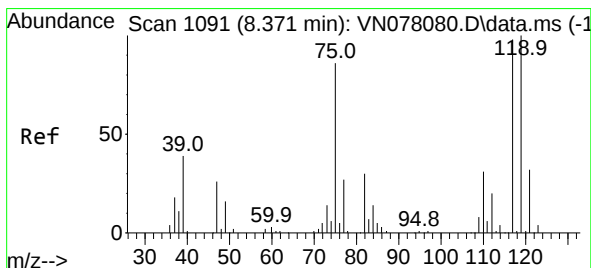
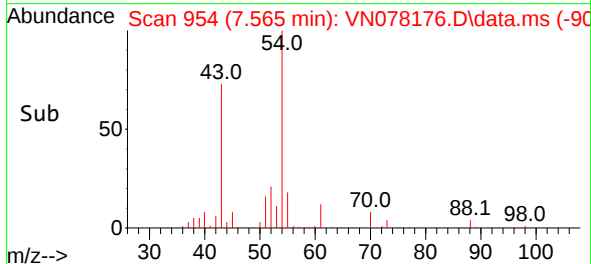
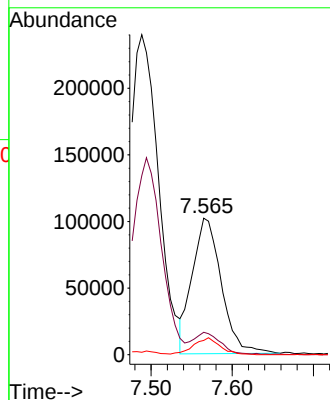
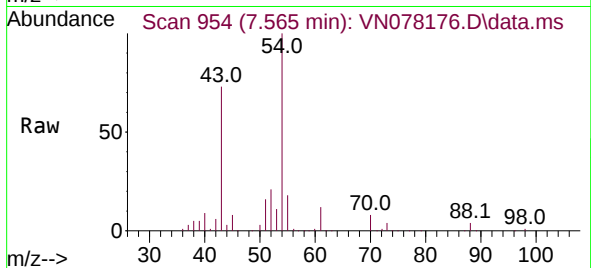
Tgt Ion: 43 Resp: 253739

Ion Ratio Lower Upper

43 100

61 14.7 13.2 19.8

70 11.3 11.3 16.9



#38

Carbon Tetrachloride

Concen: 50.333 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

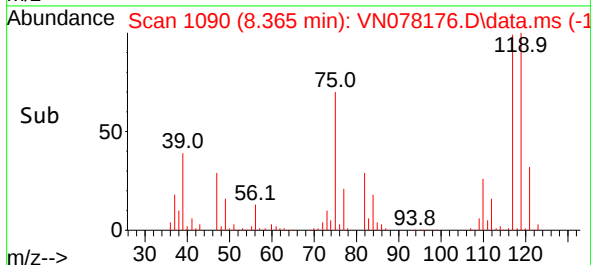
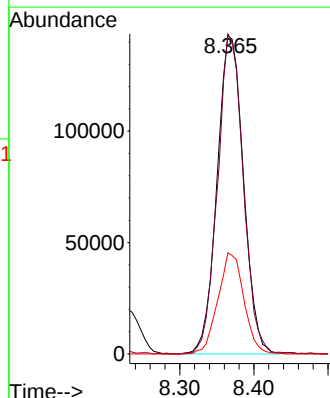
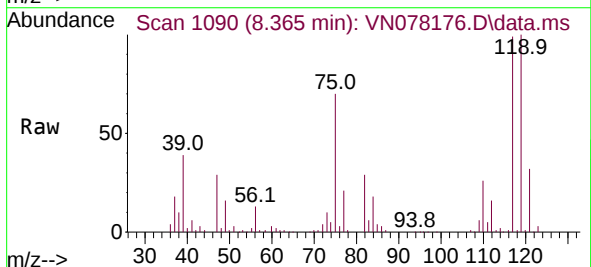
Tgt Ion: 117 Resp: 354206

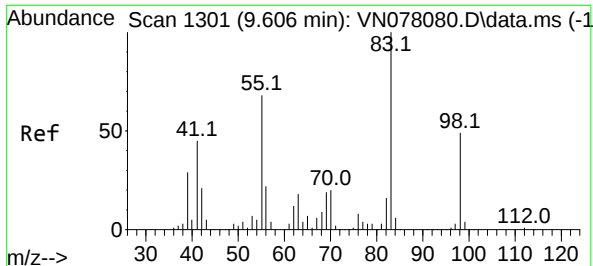
Ion Ratio Lower Upper

117 100

119 100.5 77.3 115.9

121 31.8 23.3 34.9





#39

Methylcyclohexane

Concen: 49.053 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

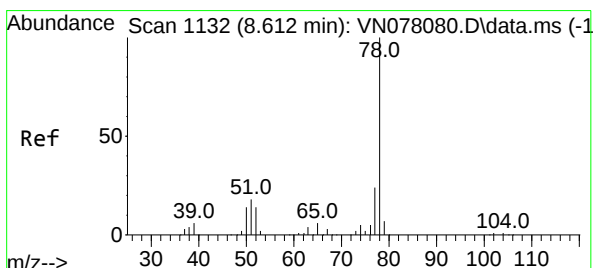
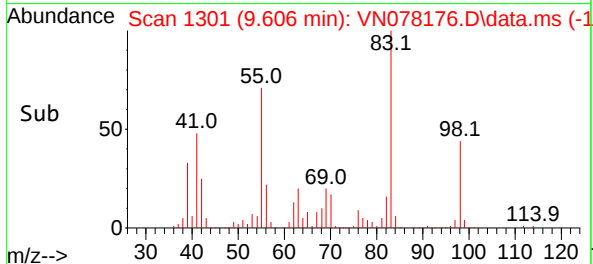
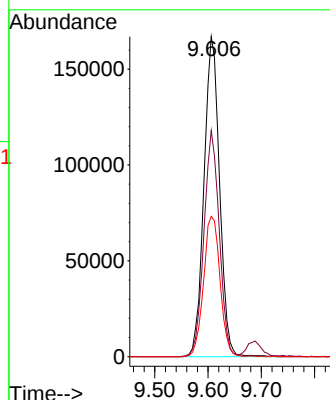
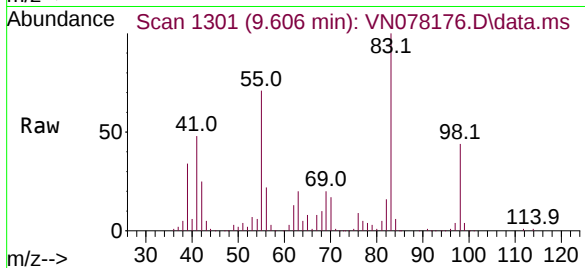
Tgt Ion: 83 Resp: 338801

Ion Ratio Lower Upper

83 100

55 70.6 49.1 73.7

98 43.9 40.6 61.0



#40

Benzene

Concen: 50.136 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN078176.D

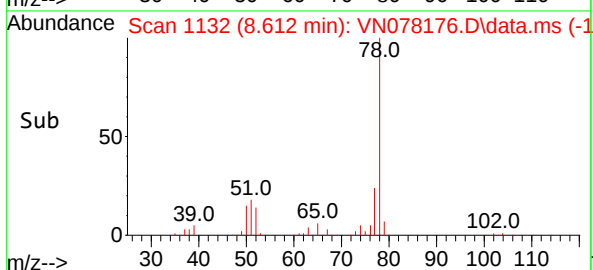
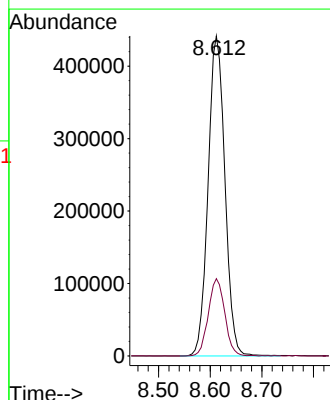
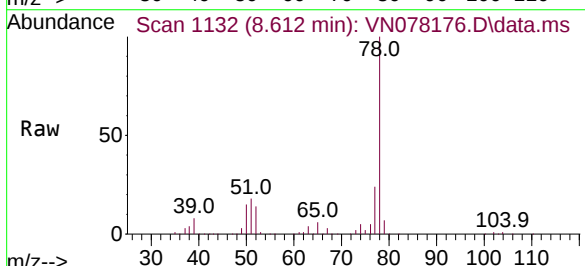
Acq: 13 Jun 2023 09:52

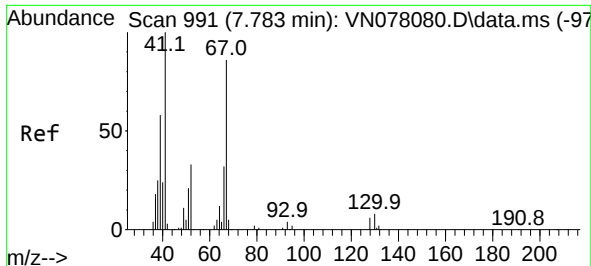
Tgt Ion: 78 Resp: 997551

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6



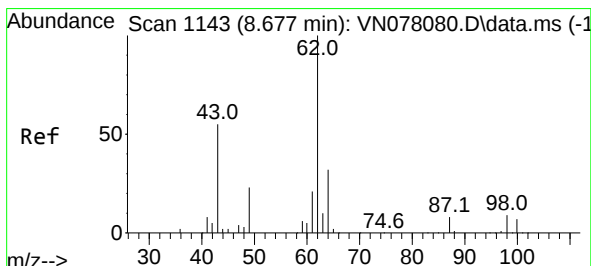
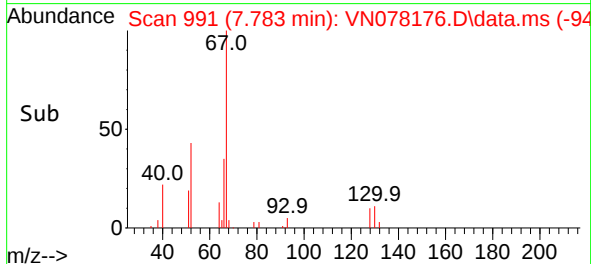
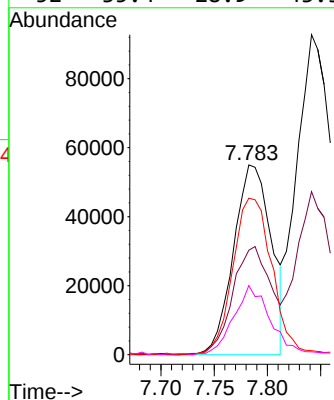
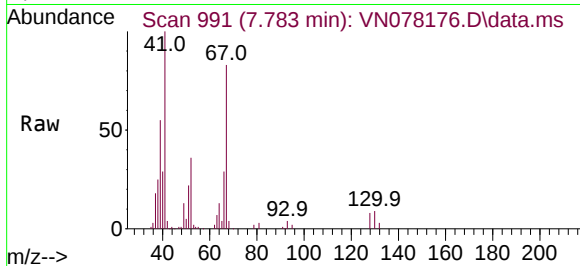


#41  
Methacrylonitrile  
Concen: 48.102 ug/l  
RT: 7.783 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 41 Resp: 135747

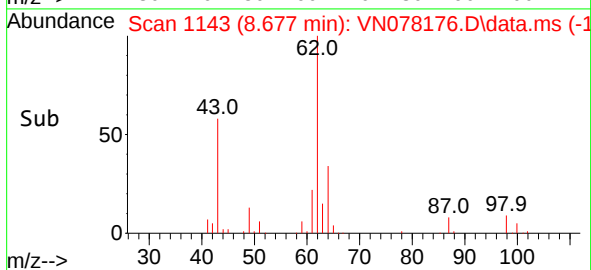
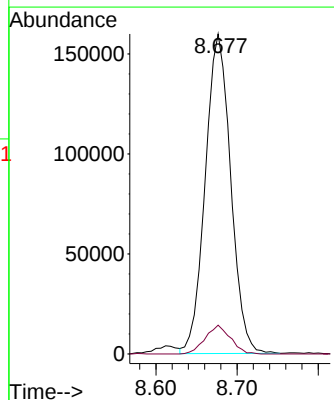
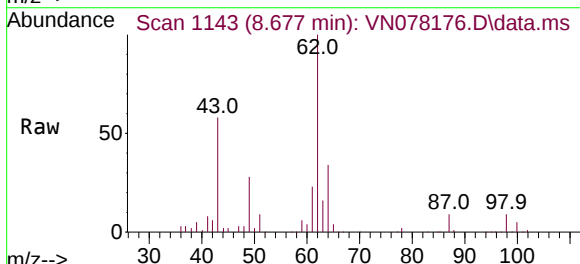
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 58.2  | 42.6  | 64.0  |
| 67  | 85.8  | 77.5  | 116.3 |
| 52  | 35.4  | 28.9  | 43.3  |

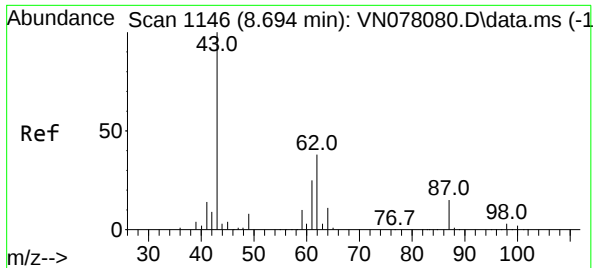


#42  
1,2-Dichloroethane  
Concen: 51.048 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 62 Resp: 348254

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.9   | 0.0   | 19.8  |

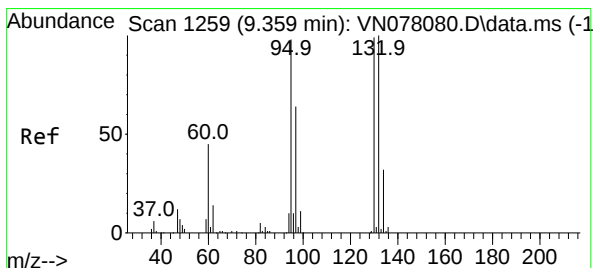
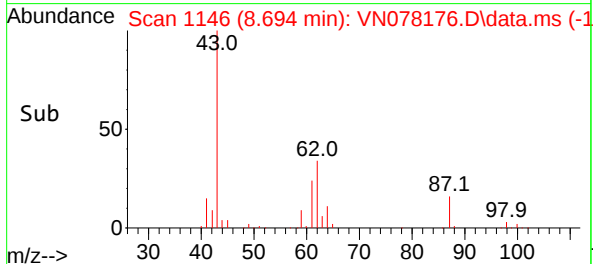
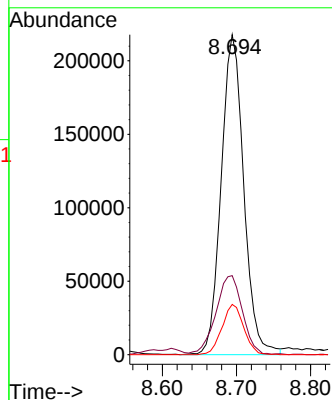
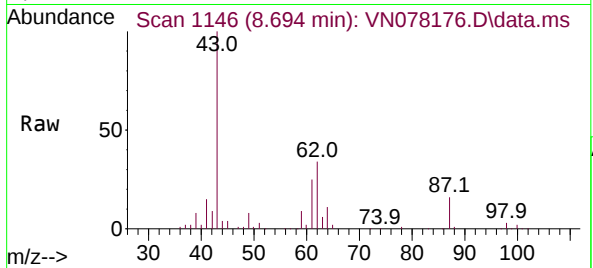




#43  
Isopropyl Acetate  
Concen: 46.314 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

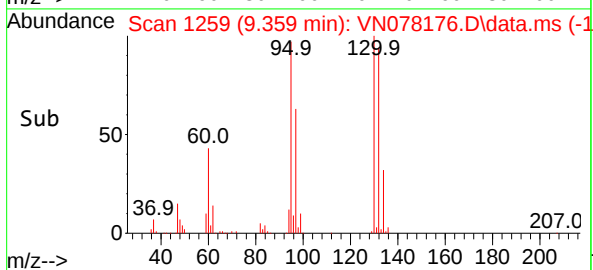
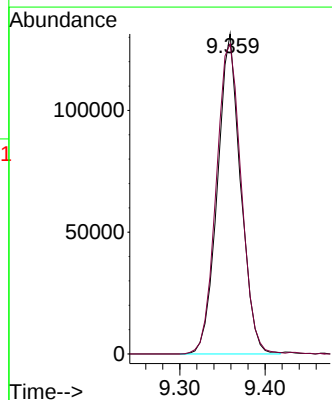
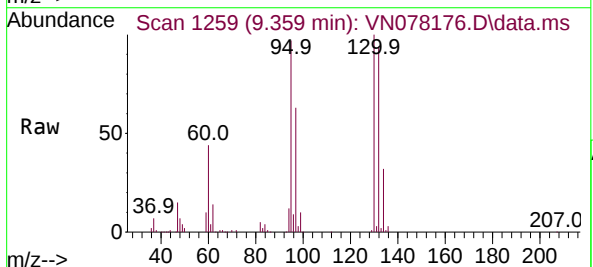
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

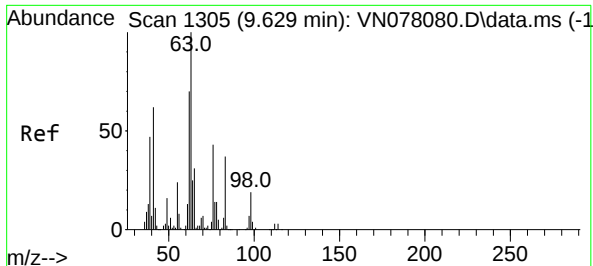
Tgt Ion: 43 Resp: 461153  
Ion Ratio Lower Upper  
43 100  
61 29.1 24.7 37.1  
87 15.1 14.6 21.8



#44  
Trichloroethene  
Concen: 47.192 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion:130 Resp: 247972  
Ion Ratio Lower Upper  
130 100  
95 96.9 0.0 204.6





#45

1,2-Dichloropropane

Concen: 51.751 ug/l

RT: 9.629 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

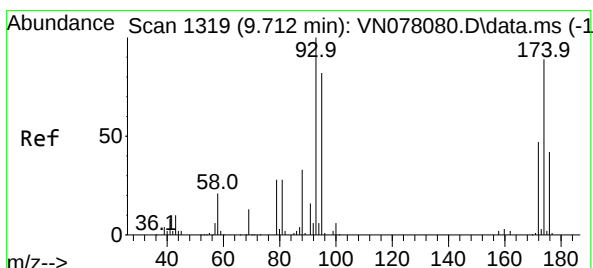
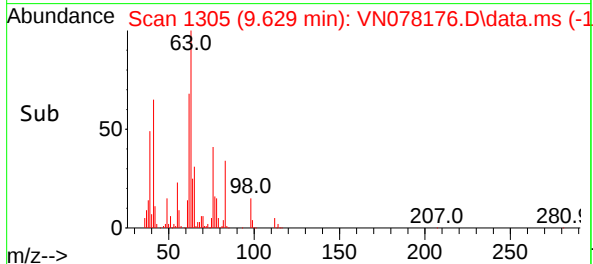
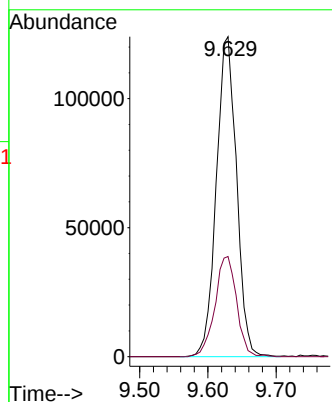
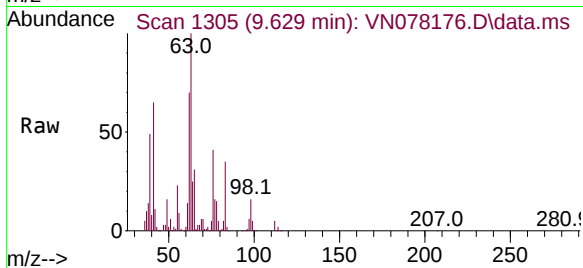
VSTDCCC050

Tgt Ion: 63 Resp: 256190

Ion Ratio Lower Upper

63 100

65 31.3 23.9 35.9



#46

Dibromomethane

Concen: 49.319 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

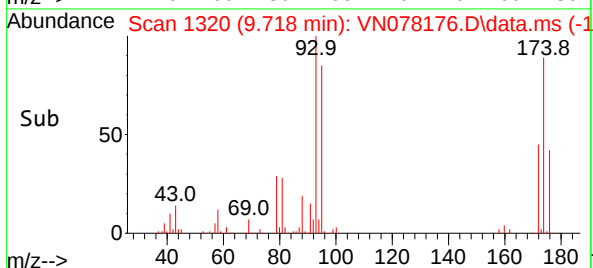
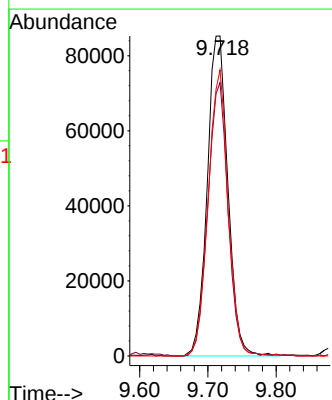
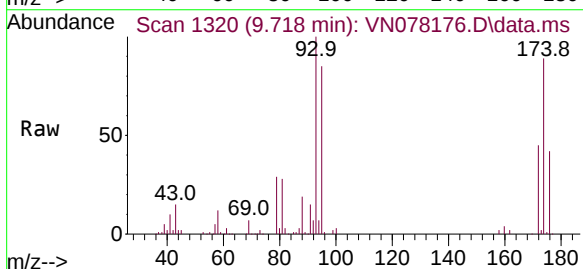
Tgt Ion: 93 Resp: 179831

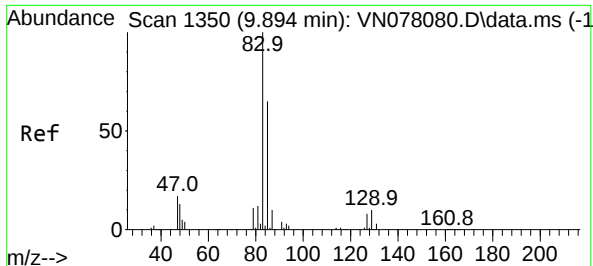
Ion Ratio Lower Upper

93 100

95 83.5 63.8 95.8

174 85.8 65.6 98.4

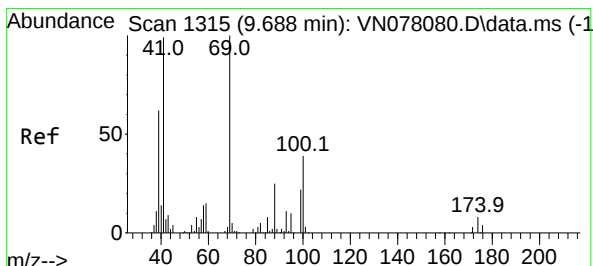
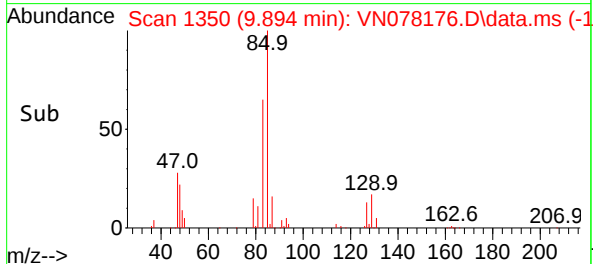
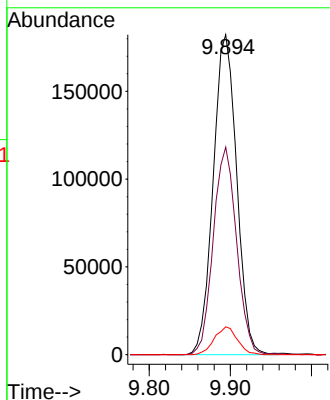
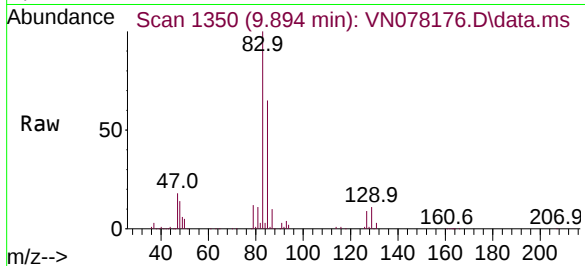




#47  
Bromodichloromethane  
Concen: 54.133 ug/l  
RT: 9.894 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

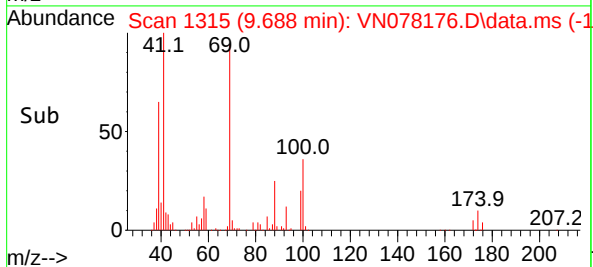
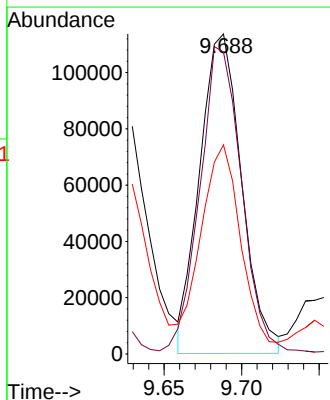
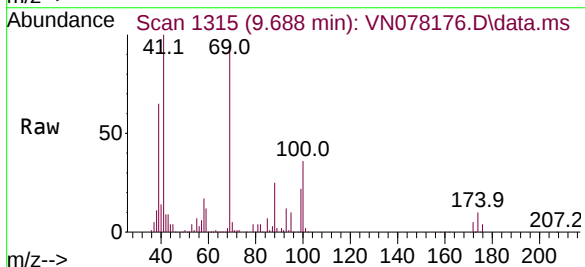
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

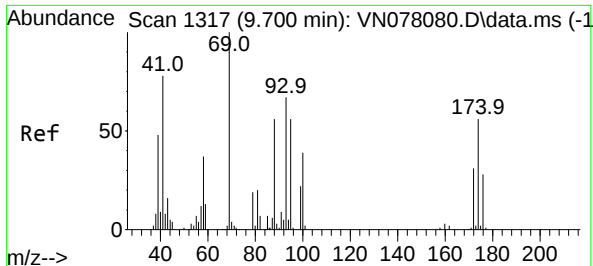
Tgt Ion: 83 Resp: 366647  
Ion Ratio Lower Upper  
83 100  
85 64.9 49.6 74.4  
127 8.7 7.0 10.6



#48  
Methyl methacrylate  
Concen: 51.114 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 41 Resp: 213584  
Ion Ratio Lower Upper  
41 100  
69 96.8 90.4 135.6  
39 64.9 54.6 81.8





#49

1,4-Dioxane

Concen: 963.556 ug/l

RT: 9.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

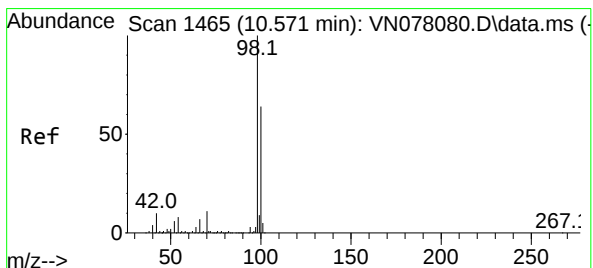
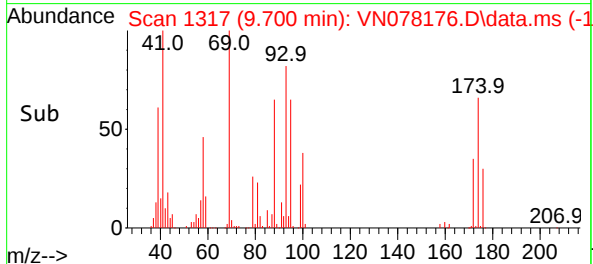
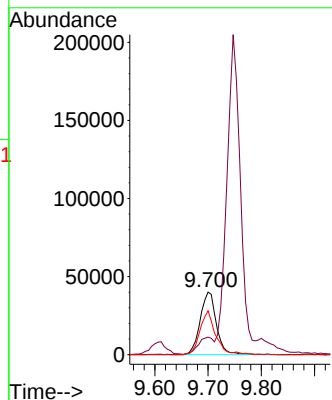
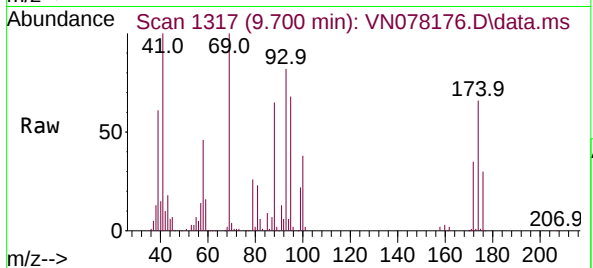
Tgt Ion: 88 Resp: 84624

Ion Ratio Lower Upper

88 100

43 26.1 17.0 25.6#

58 67.8 47.0 70.4



#50

Toluene-d8

Concen: 52.484 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078176.D

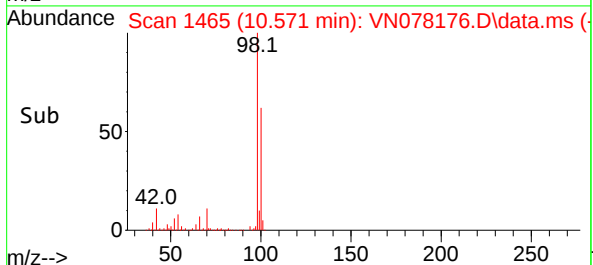
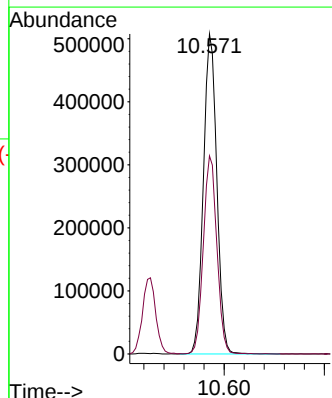
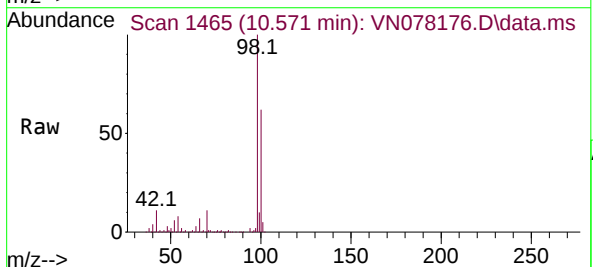
Acq: 13 Jun 2023 09:52

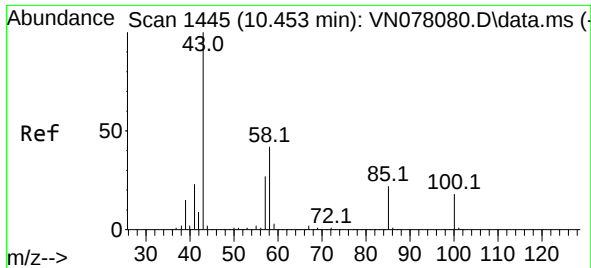
Tgt Ion: 98 Resp: 940106

Ion Ratio Lower Upper

98 100

100 62.7 52.0 78.0

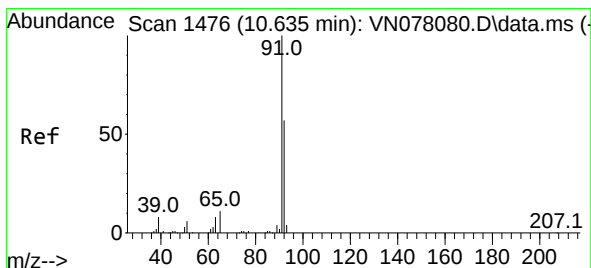
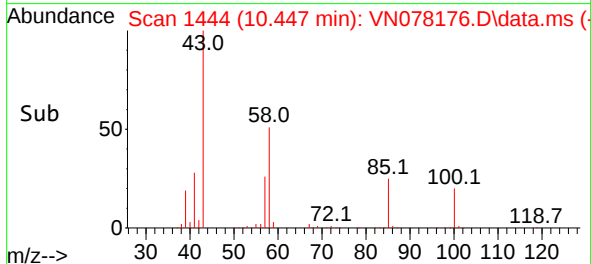
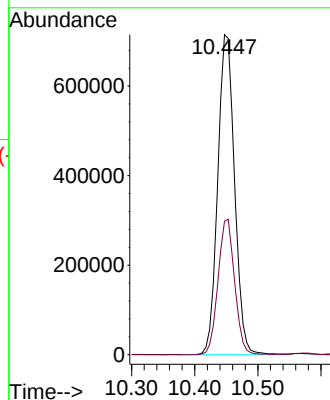
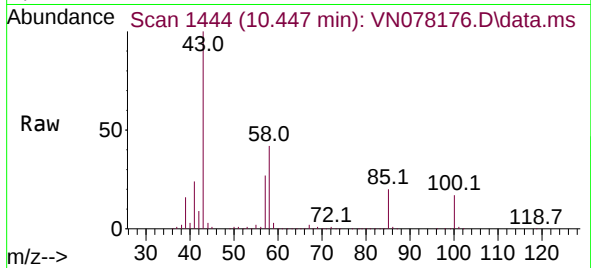




#51  
4-Methyl-2-Pentanone  
Concen: 252.085 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.006 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

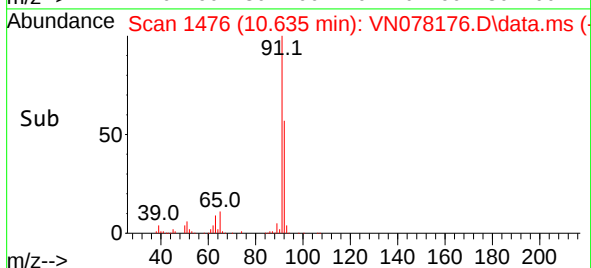
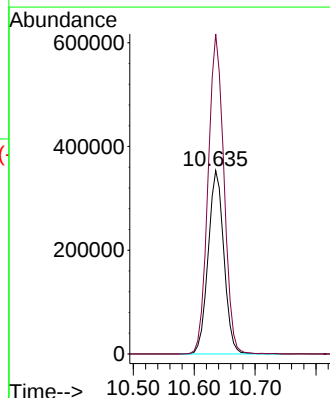
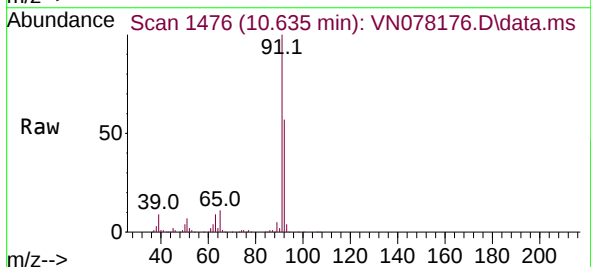
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

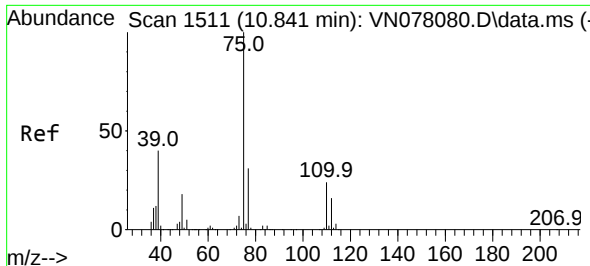
Tgt Ion: 43 Resp: 1321765  
Ion Ratio Lower Upper  
43 100  
58 41.7 36.6 54.8



#52  
Toluene  
Concen: 50.455 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 92 Resp: 633843  
Ion Ratio Lower Upper  
92 100  
91 175.8 137.4 206.0

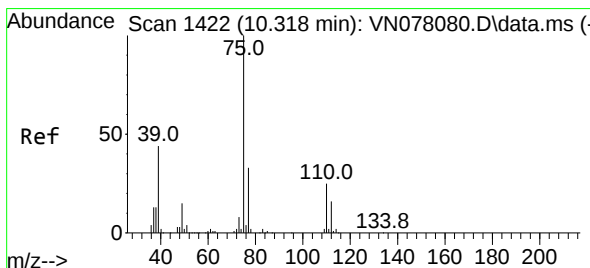
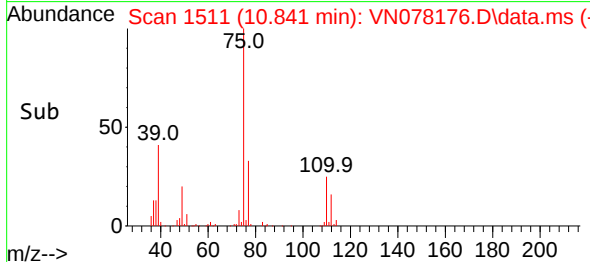
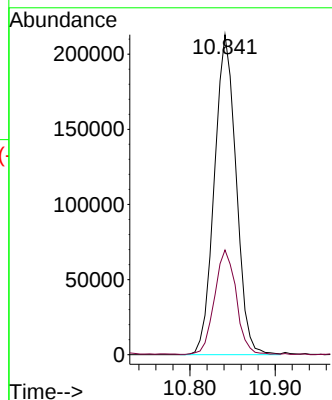
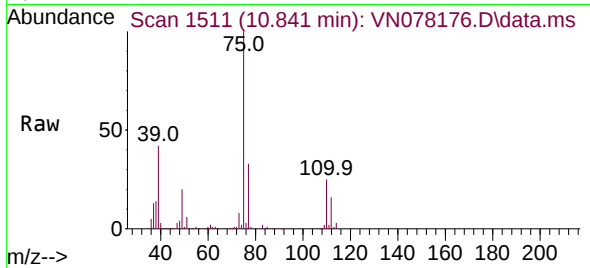




#53  
t-1,3-Dichloropropene  
Concen: 53.596 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

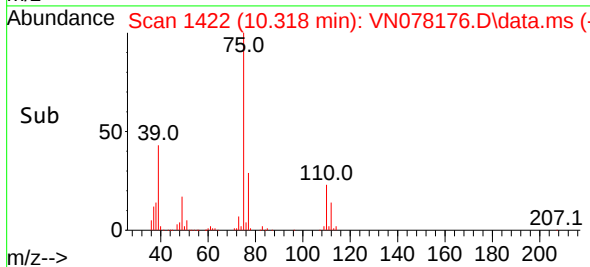
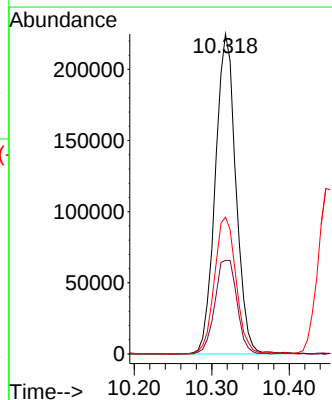
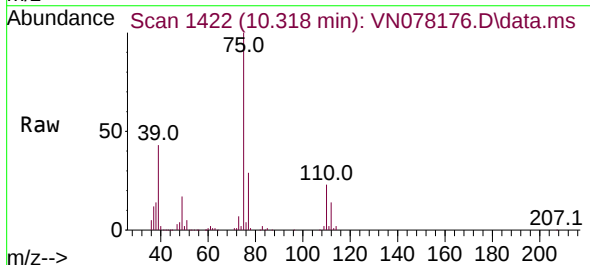
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

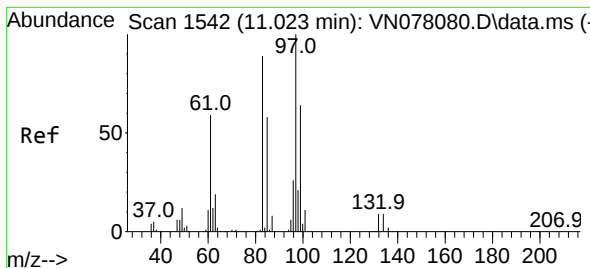
Tgt Ion: 75 Resp: 378056  
Ion Ratio Lower Upper  
75 100  
77 32.6 25.4 38.0



#54  
cis-1,3-Dichloropropene  
Concen: 53.186 ug/l  
RT: 10.318 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 75 Resp: 414714  
Ion Ratio Lower Upper  
75 100  
77 29.2 26.1 39.1  
39 42.7 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 52.663 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. -0.006 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 250265

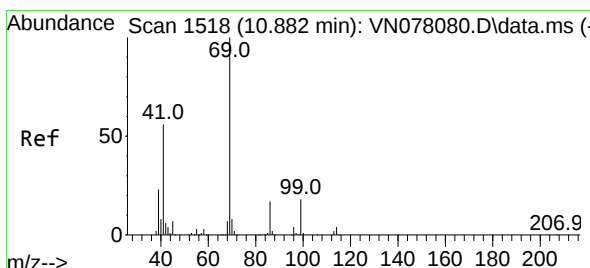
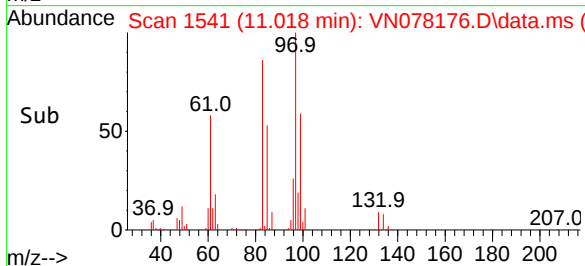
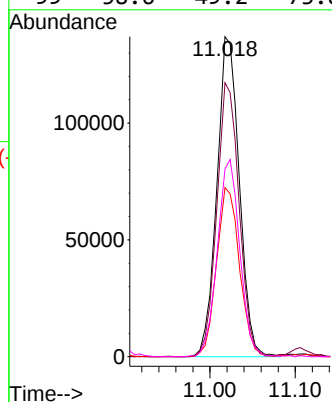
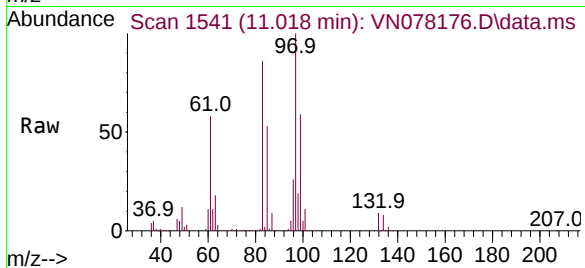
Ion Ratio Lower Upper

97 100

83 85.6 65.1 97.7

85 52.8 43.4 65.2

99 58.6 49.2 73.8



#56

Ethyl methacrylate

Concen: 50.921 ug/l

RT: 10.882 min Scan# 1518

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

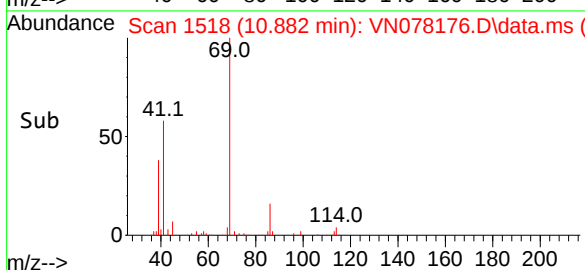
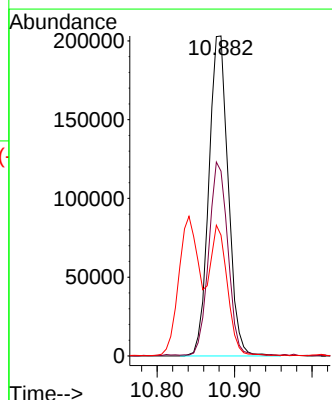
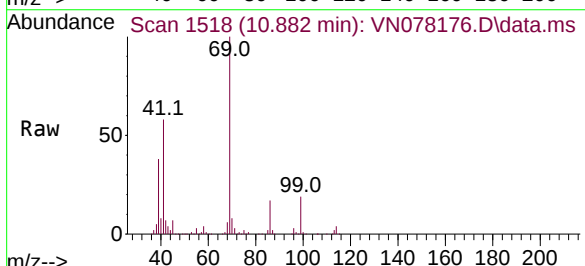
Tgt Ion: 69 Resp: 352357

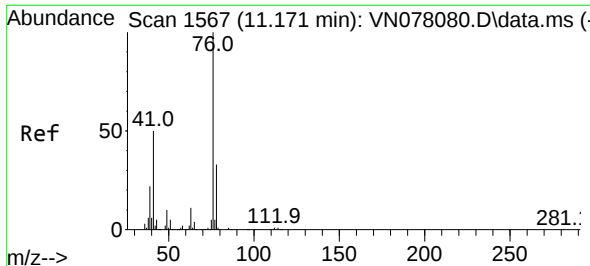
Ion Ratio Lower Upper

69 100

41 59.5 39.6 59.4#

39 37.7 28.6 43.0





#57

1,3-Dichloropropane

Concen: 52.171 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

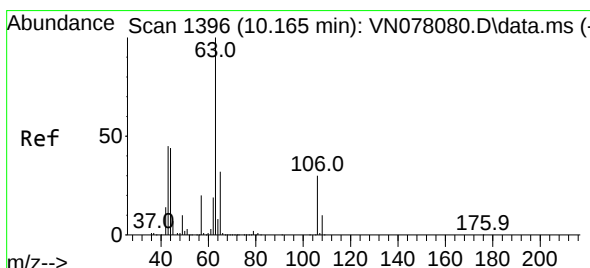
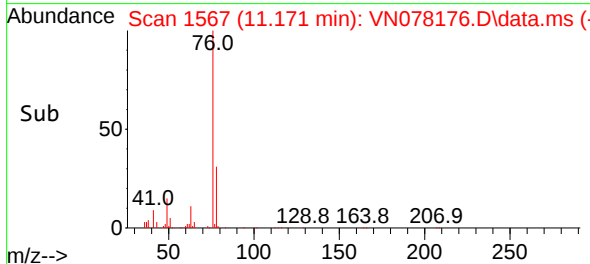
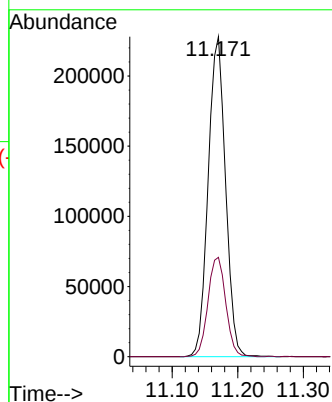
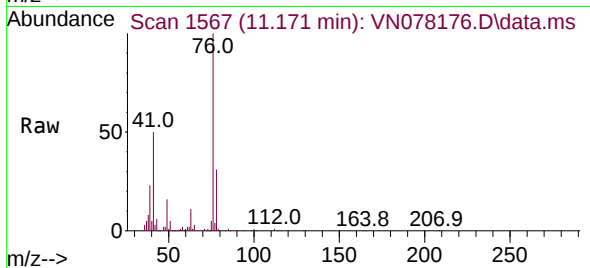
VSTDCCC050

Tgt Ion: 76 Resp: 418494

Ion Ratio Lower Upper

76 100

78 31.9 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 266.934 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. 0.000 min

Lab File: VN078176.D

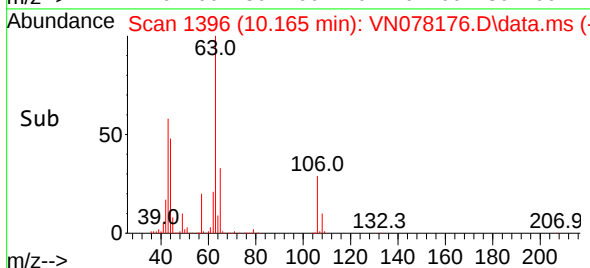
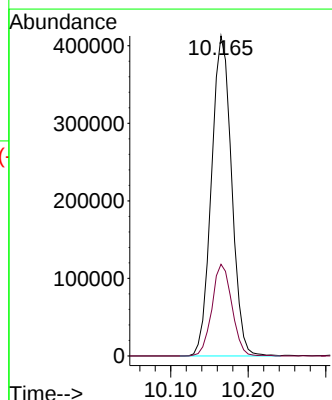
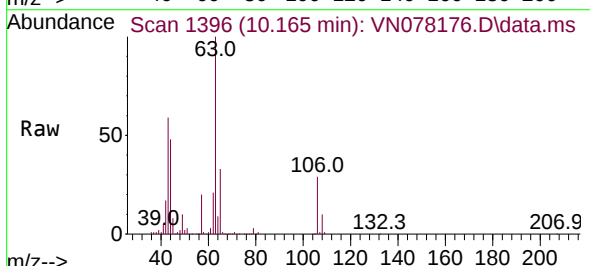
Acq: 13 Jun 2023 09:52

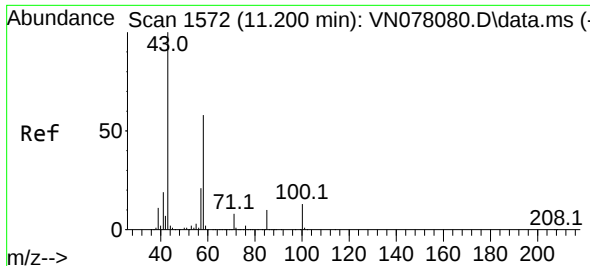
Tgt Ion: 63 Resp: 746165

Ion Ratio Lower Upper

63 100

106 28.3 26.2 39.4

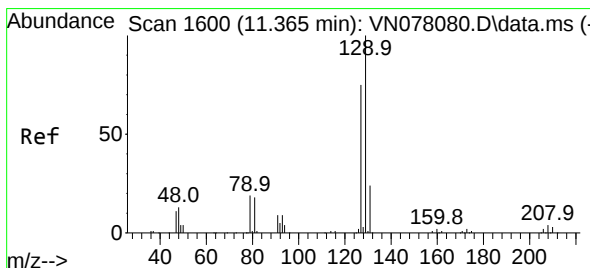
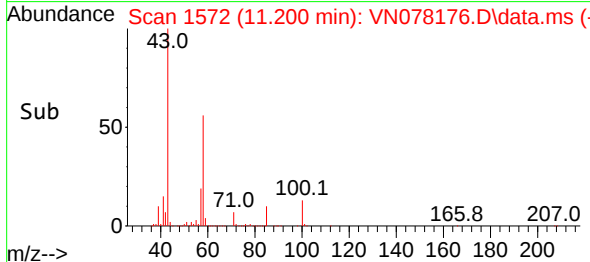
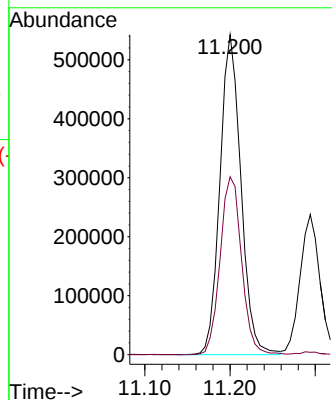
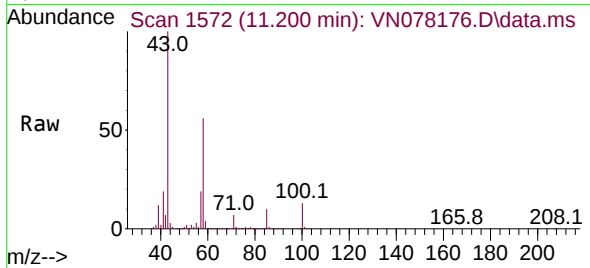




#59  
2-Hexanone  
Concen: 255.071 ug/l  
RT: 11.200 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

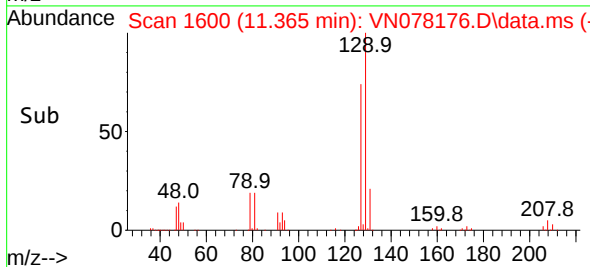
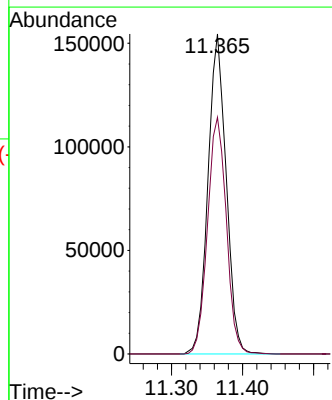
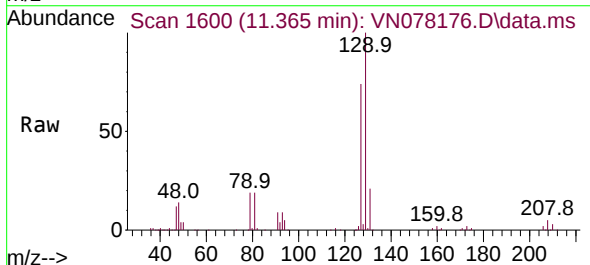
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

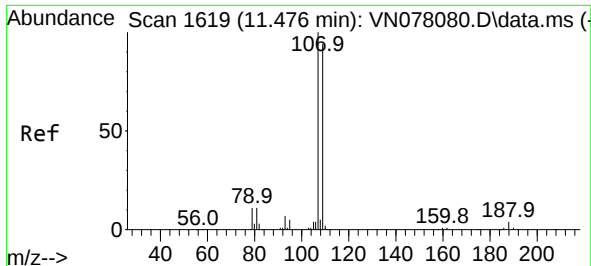
Tgt Ion: 43 Resp: 931236  
Ion Ratio Lower Upper  
43 100  
58 56.7 31.7 95.1



#60  
Dibromochloromethane  
Concen: 52.739 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 129 Resp: 274250  
Ion Ratio Lower Upper  
129 100  
127 76.6 38.6 116.0

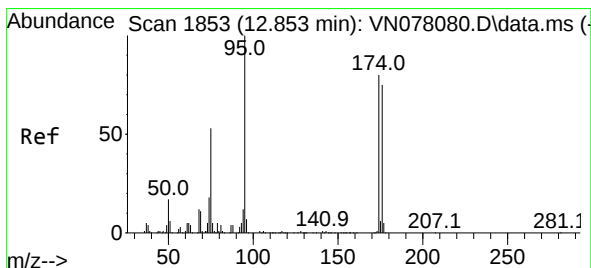
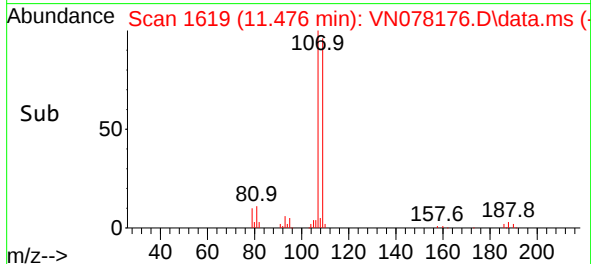
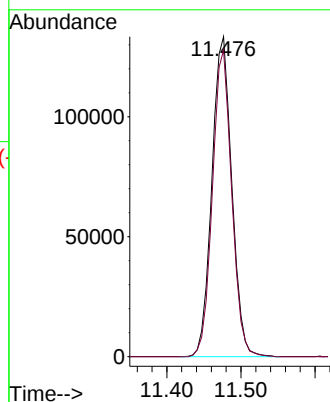
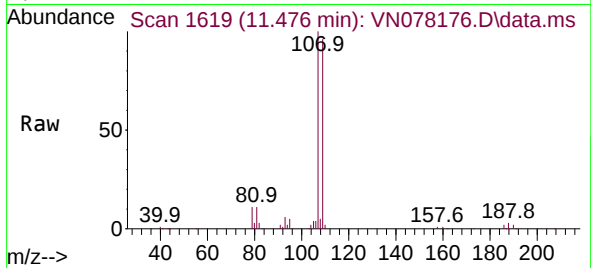




#61  
1,2-Dibromoethane  
Concen: 49.894 ug/l  
RT: 11.476 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

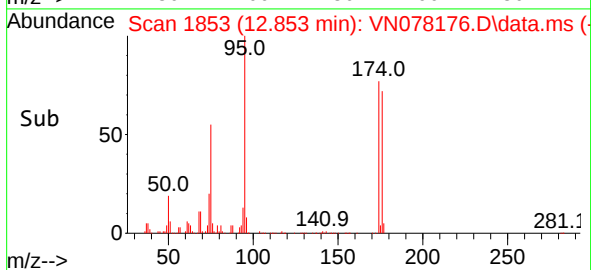
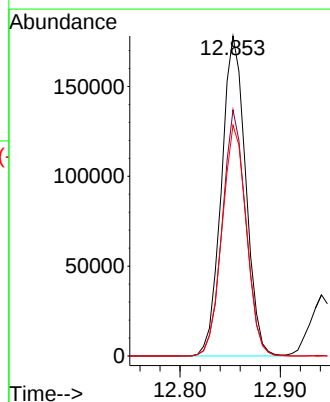
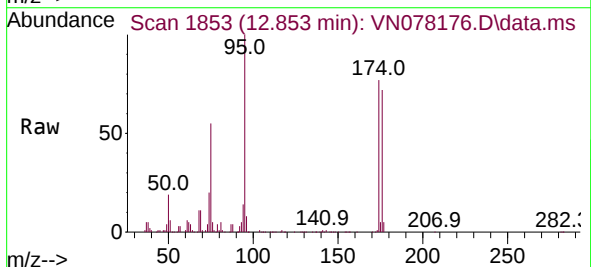
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

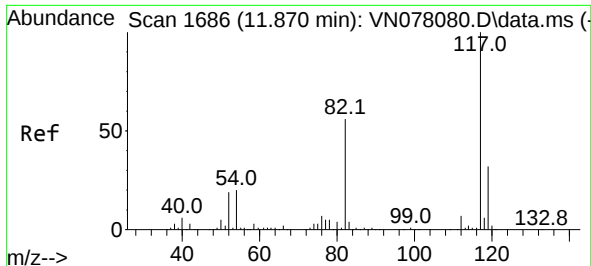
Tgt Ion:107 Resp: 248830  
Ion Ratio Lower Upper  
107 100  
109 92.6 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 53.691 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 95 Resp: 298981  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 143.8  
176 72.5 0.0 135.8

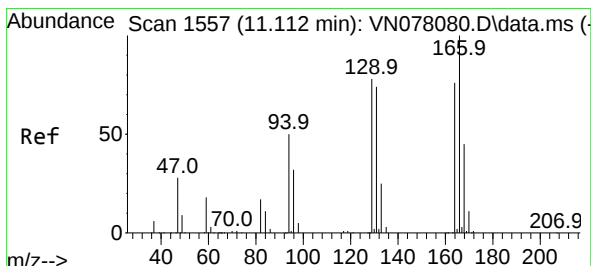
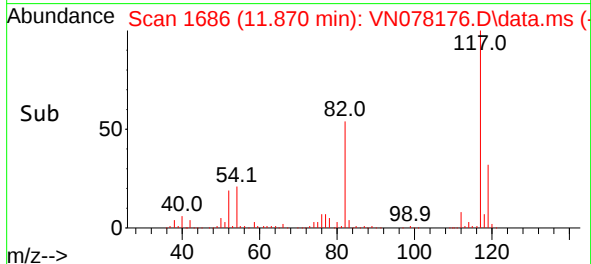
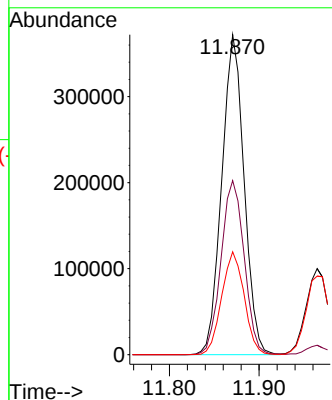
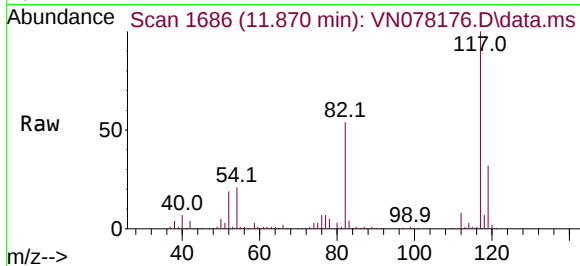




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

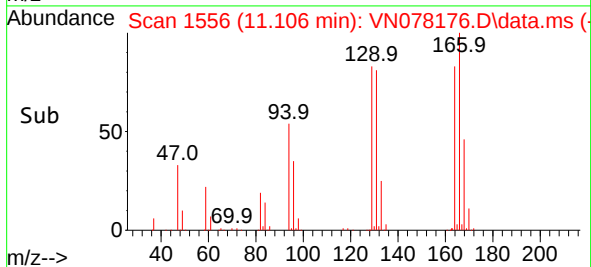
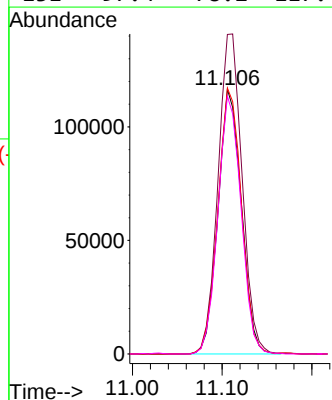
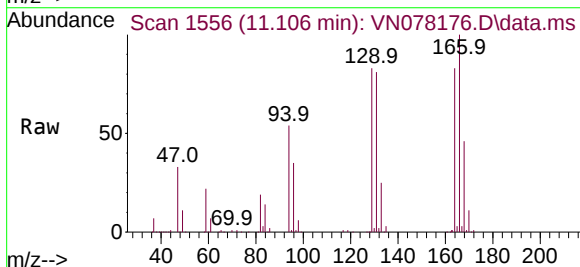
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

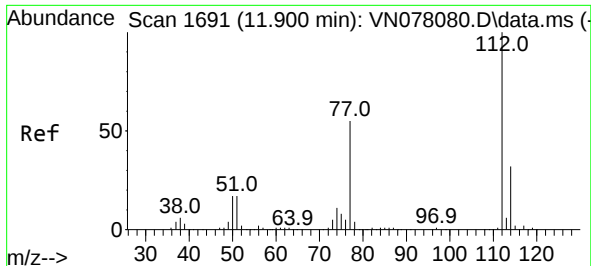
Tgt Ion:117 Resp: 642631  
Ion Ratio Lower Upper  
117 100  
82 54.4 44.0 66.0  
119 32.1 25.6 38.4



#64  
Tetrachloroethene  
Concen: 49.089 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. -0.006 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion:164 Resp: 210455  
Ion Ratio Lower Upper  
164 100  
166 120.8 101.4 152.0  
129 100.5 82.4 123.6  
131 97.4 78.2 117.4

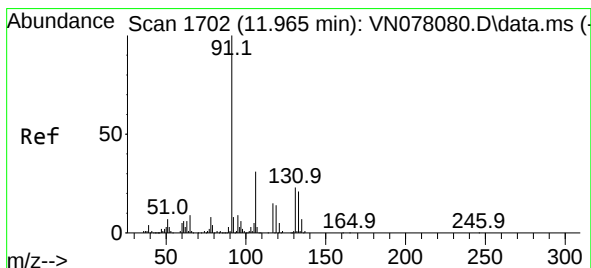
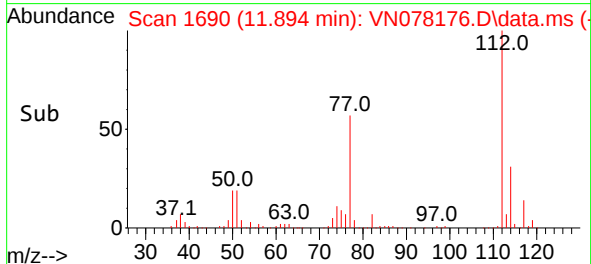
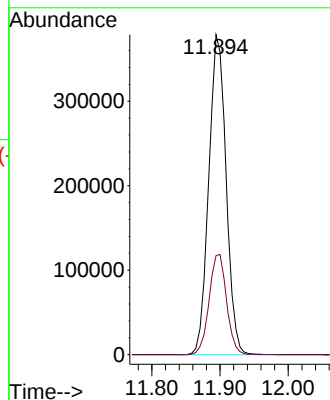
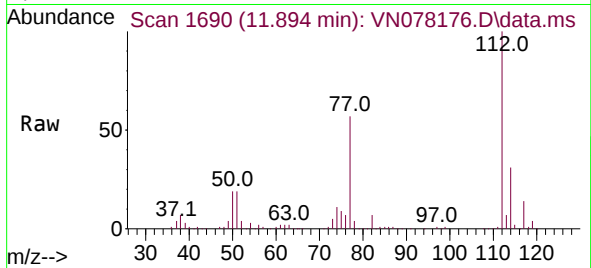




#65  
Chlorobenzene  
Concen: 48.704 ug/l  
RT: 11.894 min Scan# 1119  
Delta R.T. -0.006 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

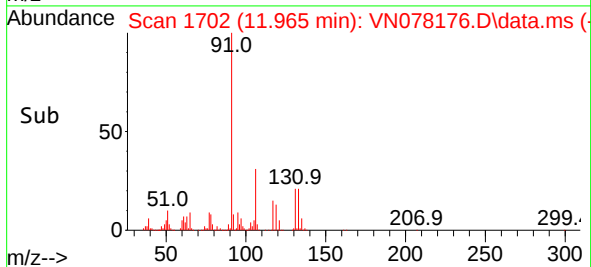
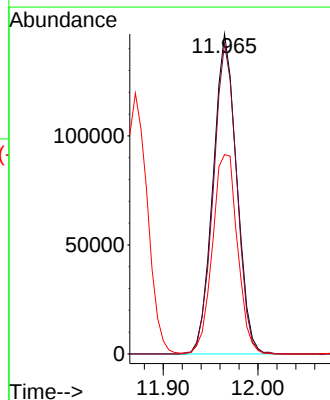
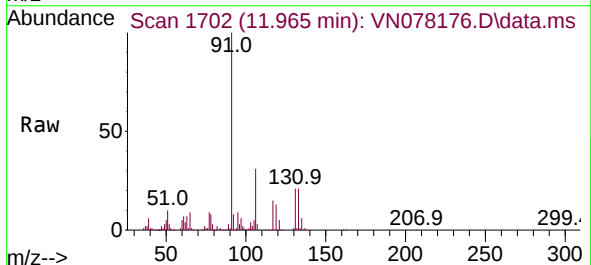
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

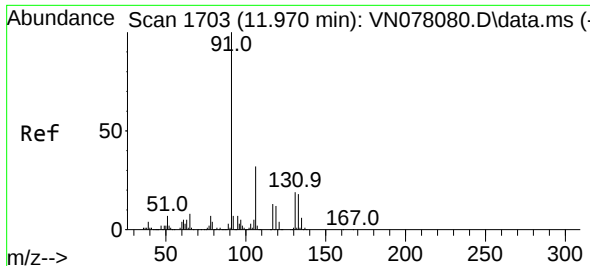
Tgt Ion:112 Resp: 670284  
Ion Ratio Lower Upper  
112 100  
114 31.0 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.077 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion:131 Resp: 253479  
Ion Ratio Lower Upper  
131 100  
133 96.5 46.4 139.1  
119 66.3 34.1 102.2

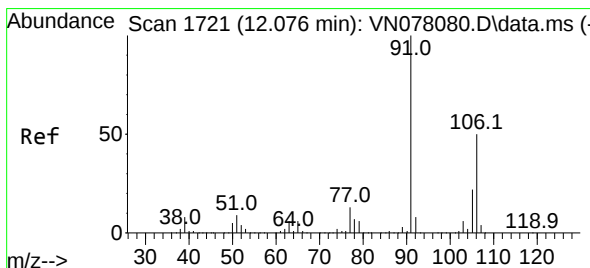
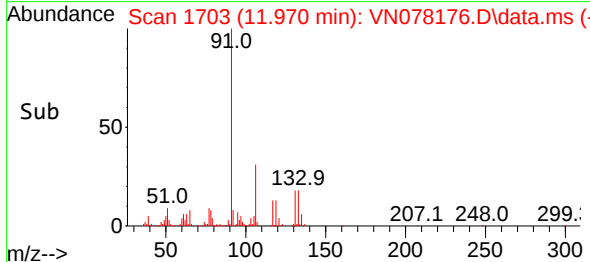
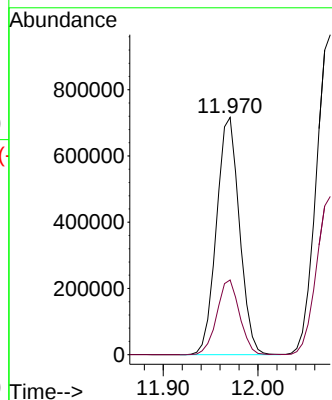
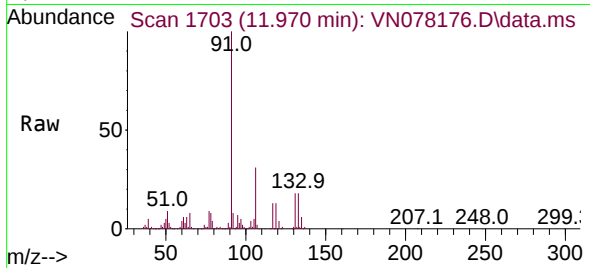




#67  
Ethyl Benzene  
Concen: 50.862 ug/l  
RT: 11.970 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

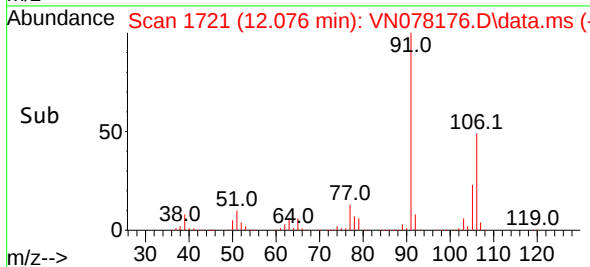
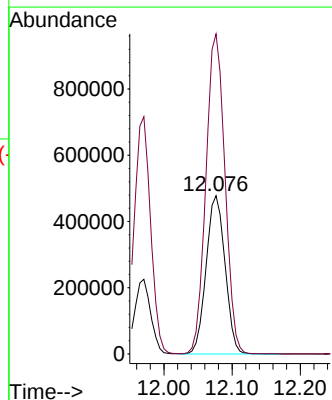
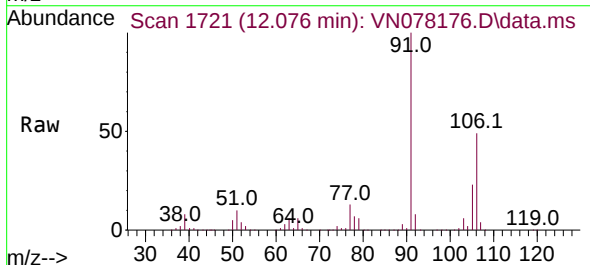
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

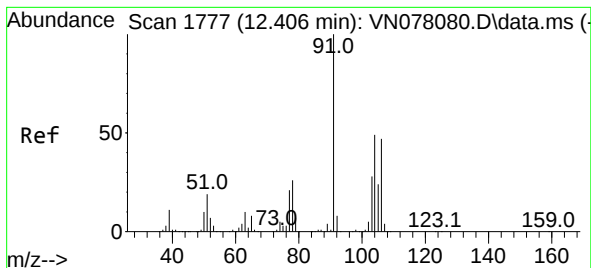
Tgt Ion: 91 Resp: 1207796  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.6 38.4



#68  
m/p-Xylenes  
Concen: 101.991 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion:106 Resp: 923010  
Ion Ratio Lower Upper  
106 100  
91 203.4 159.6 239.4





#69

o-Xylene

Concen: 50.548 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.006 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

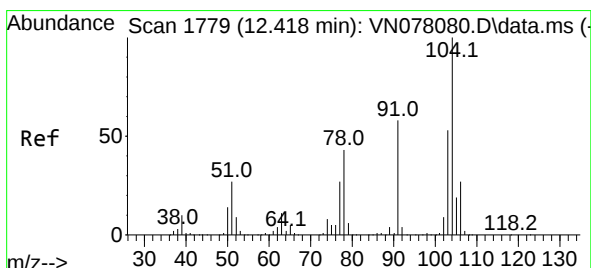
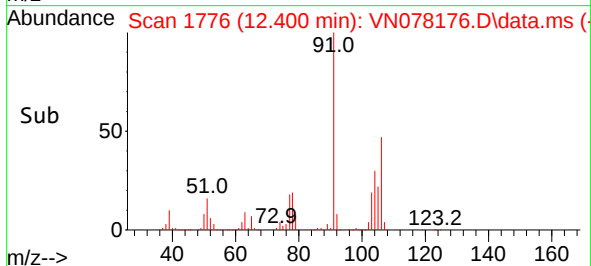
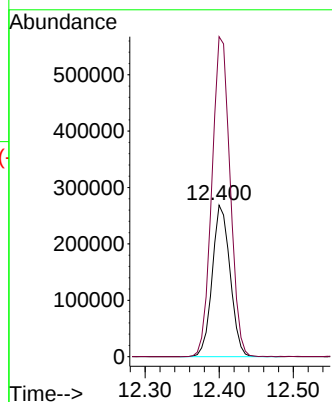
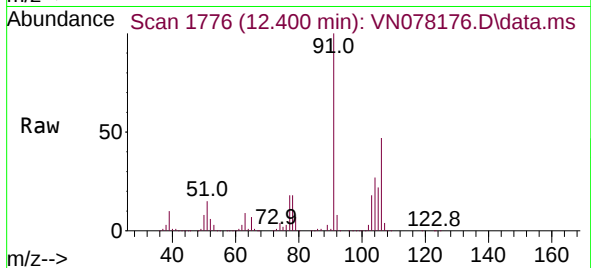
VSTDCCC050

Tgt Ion:106 Resp: 449226

Ion Ratio Lower Upper

106 100

91 215.5 105.2 315.5



#70

Styrene

Concen: 51.825 ug/l

RT: 12.418 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

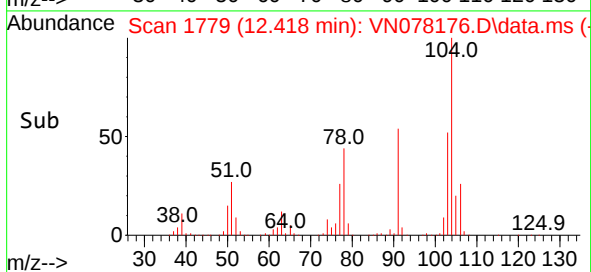
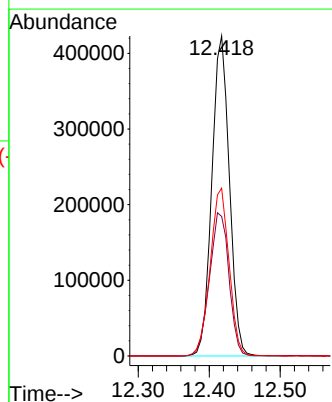
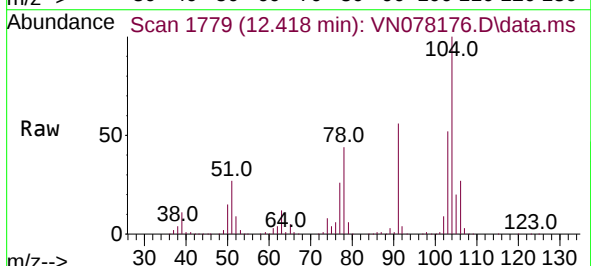
Tgt Ion:104 Resp: 725096

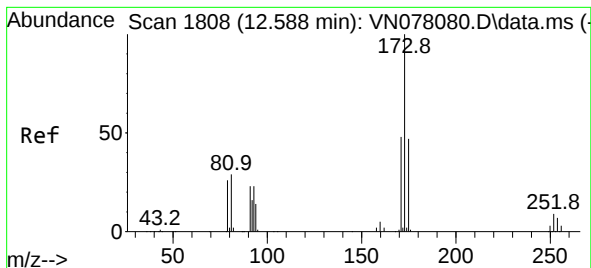
Ion Ratio Lower Upper

104 100

78 49.6 39.5 59.3

103 56.5 43.2 64.8





#71

Bromoform

Concen: 51.217 ug/l

RT: 12.582 min Scan# 1808

Delta R.T. -0.006 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

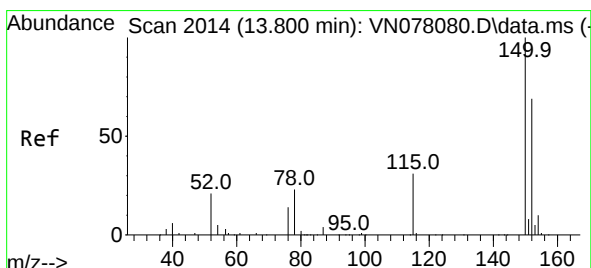
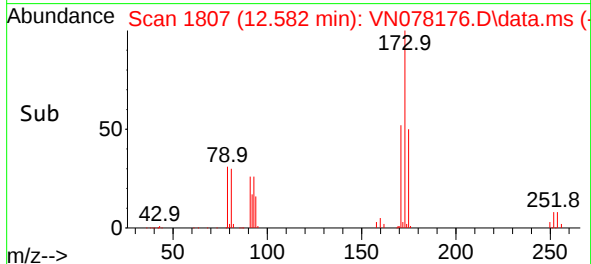
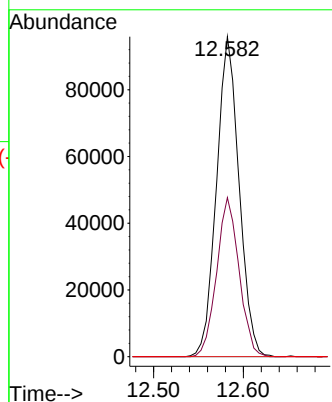
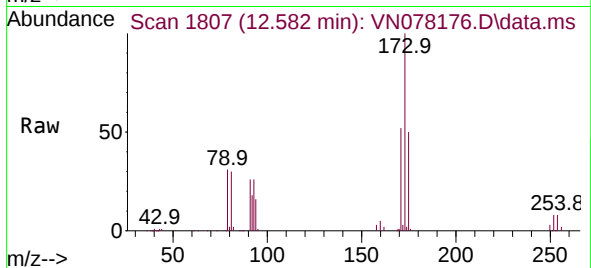
Tgt Ion:173 Resp: 167303

Ion Ratio Lower Upper

173 100

175 49.3 24.3 73.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

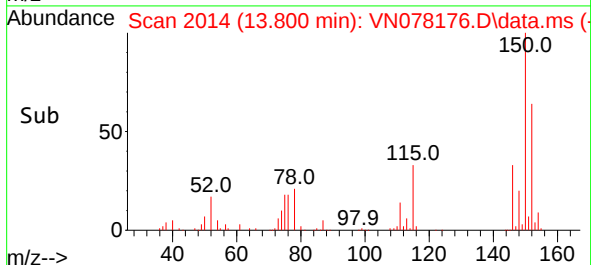
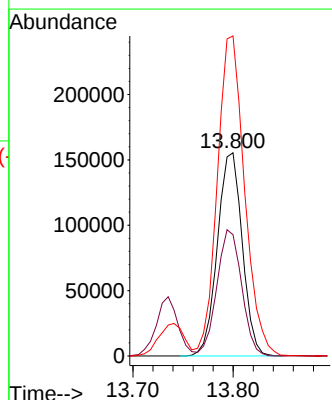
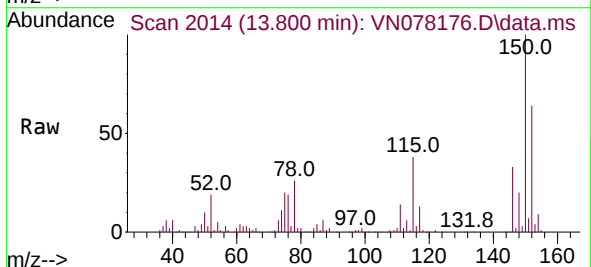
Tgt Ion:152 Resp: 267369

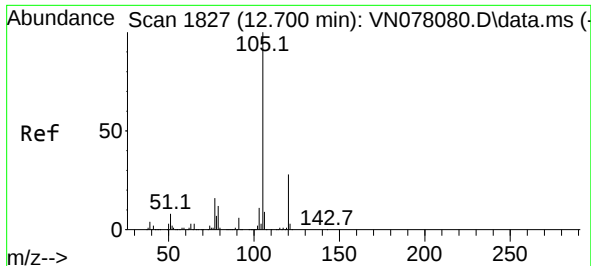
Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 173.0 0.0 355.8

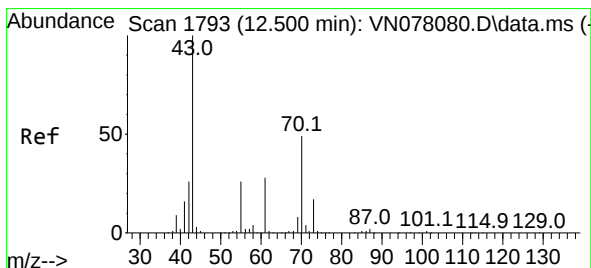
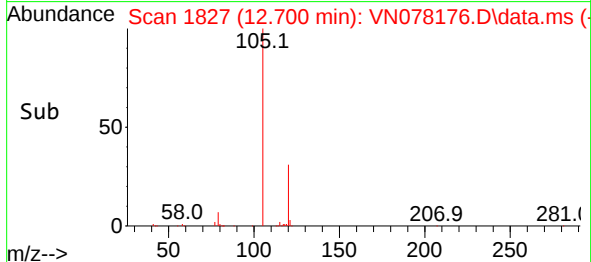
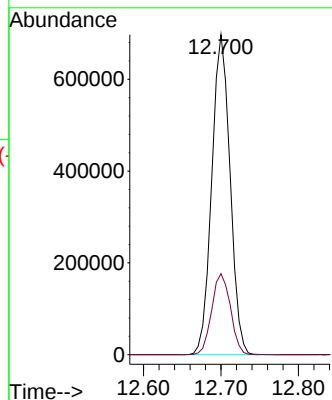
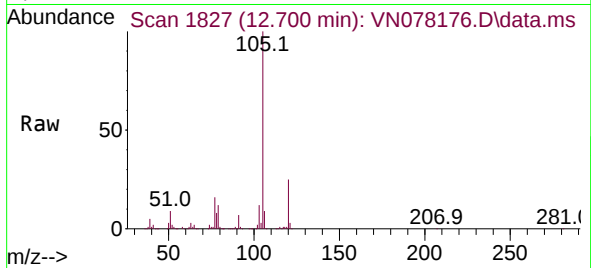




#73  
Isopropylbenzene  
Concen: 45.228 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

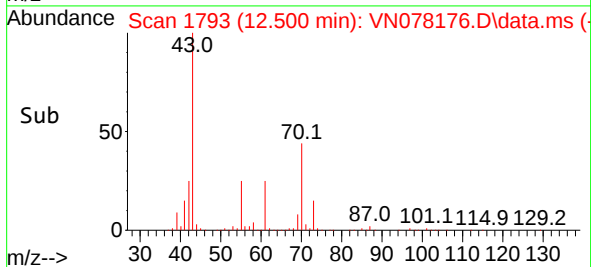
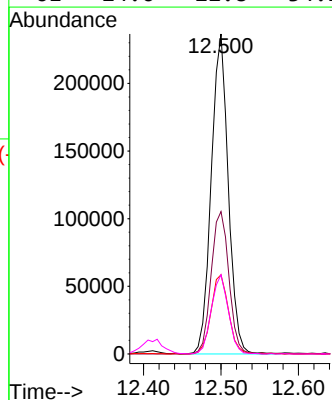
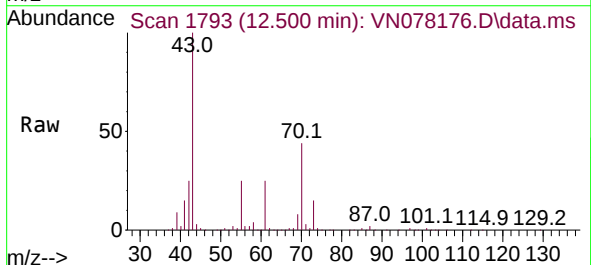
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

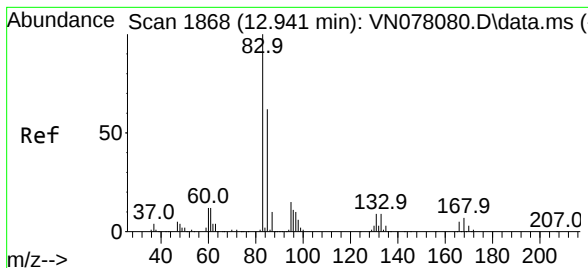
Tgt Ion:105 Resp: 1143515  
Ion Ratio Lower Upper  
105 100  
120 25.9 13.1 39.1



#74  
N-ethyl acetate  
Concen: 43.381 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 43 Resp: 361183  
Ion Ratio Lower Upper  
43 100  
70 46.3 43.4 65.2  
55 25.4 21.4 32.0  
61 24.6 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.939 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

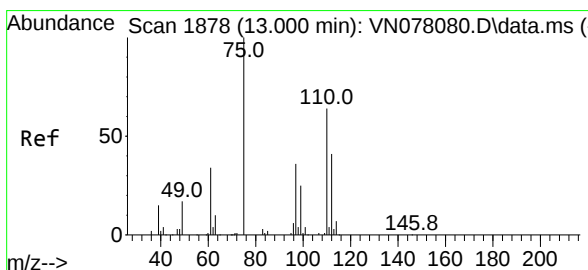
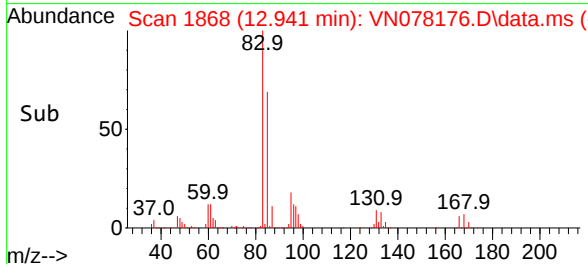
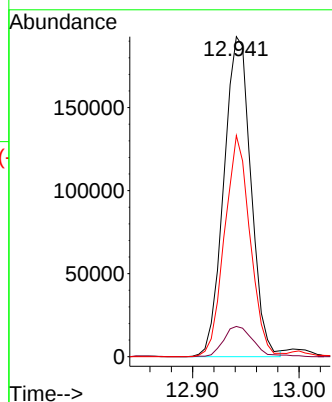
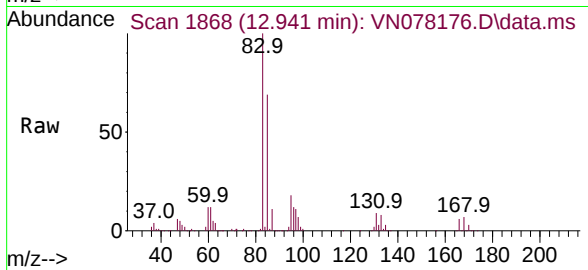
Tgt Ion: 83 Resp: 340681

Ion Ratio Lower Upper

83 100

131 10.4 5.0 15.0

85 65.3 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 64.878 ug/l

RT: 13.000 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VN078176.D

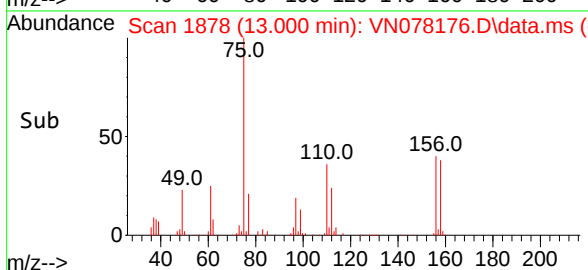
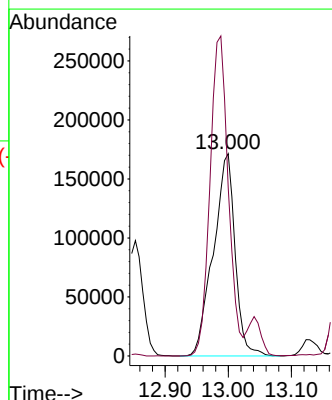
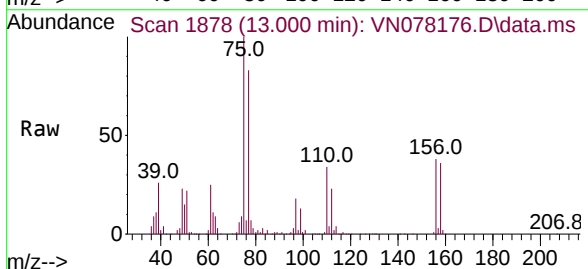
Acq: 13 Jun 2023 09:52

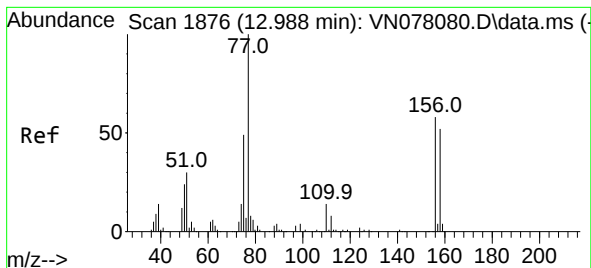
Tgt Ion: 75 Resp: 410075

Ion Ratio Lower Upper

75 100

77 133.1 84.5 253.5





#77

Bromobenzene

Concen: 43.742 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

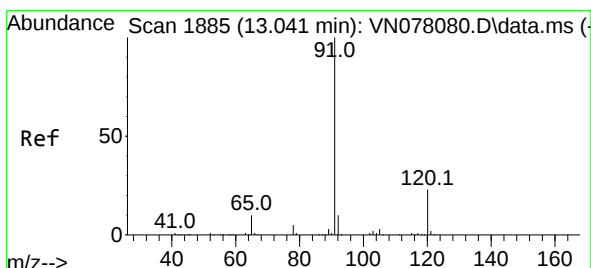
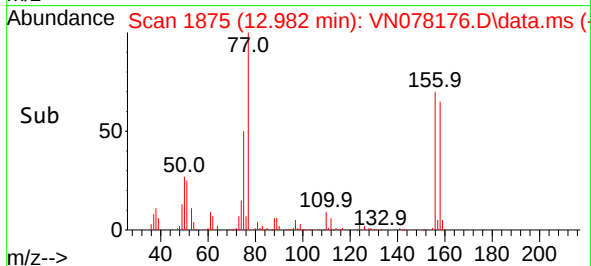
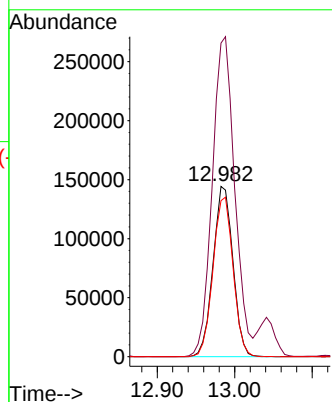
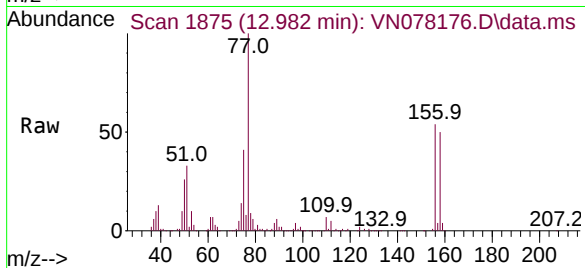
Tgt Ion:156 Resp: 256730

Ion Ratio Lower Upper

156 100

77 212.6 107.7 323.3

158 94.6 48.4 145.3



#78

n-propylbenzene

Concen: 48.088 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN078176.D

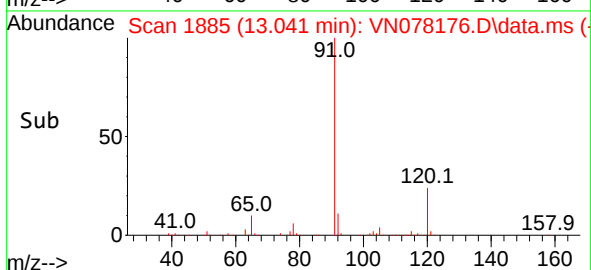
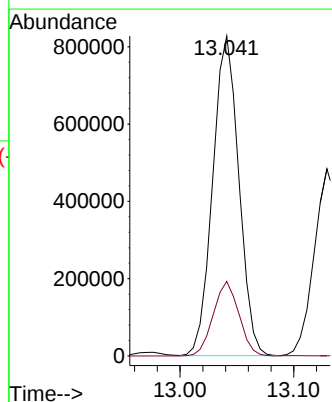
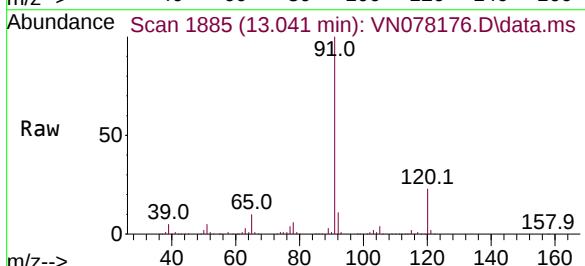
Acq: 13 Jun 2023 09:52

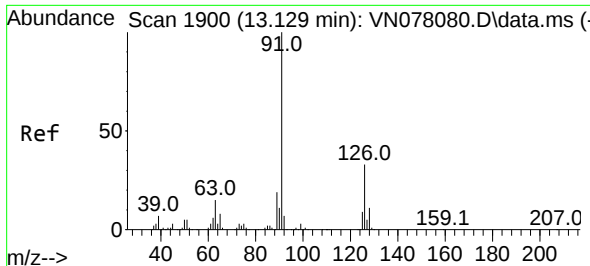
Tgt Ion: 91 Resp: 1320961

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4

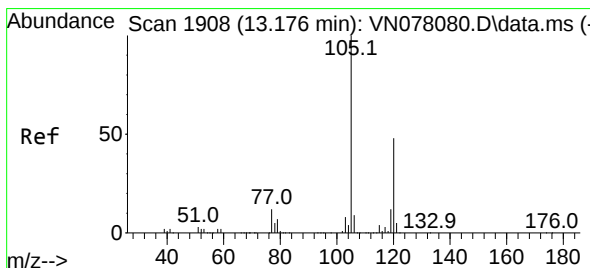
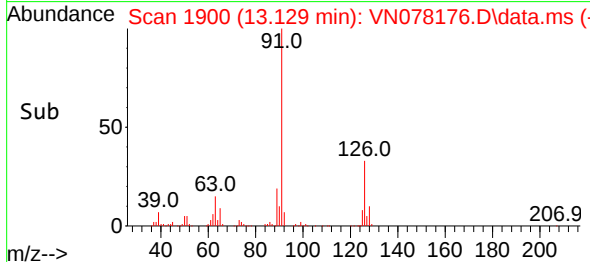
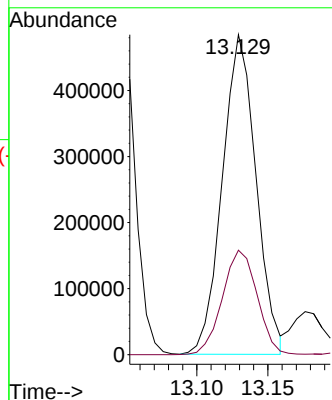
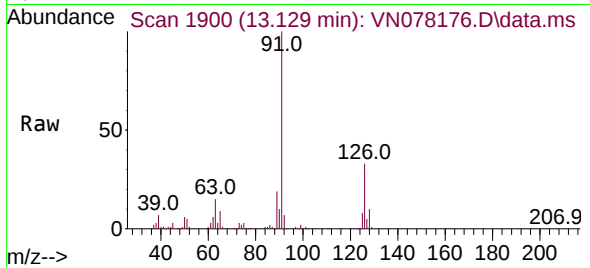




#79  
2-Chlorotoluene  
Concen: 45.002 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

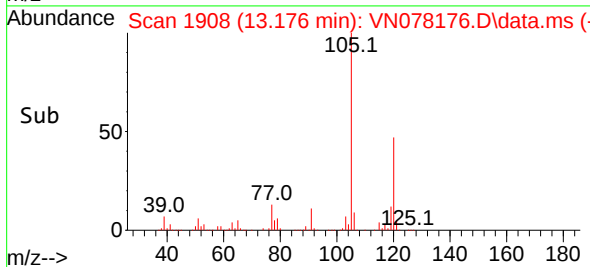
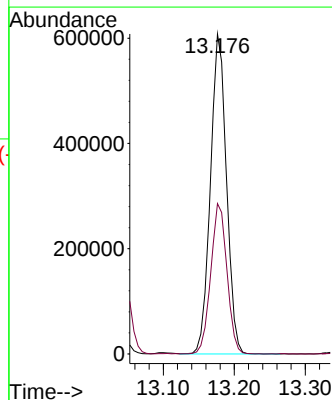
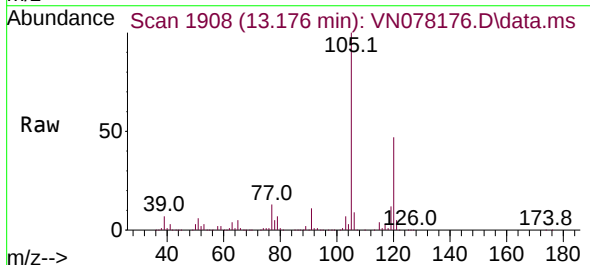
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

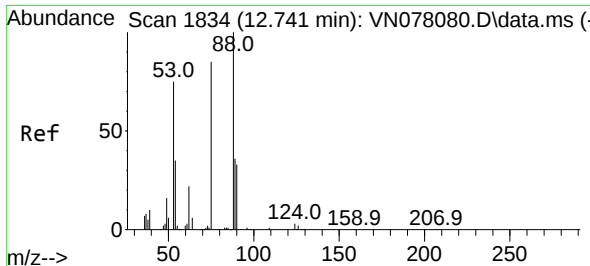
Tgt Ion: 91 Resp: 797957  
Ion Ratio Lower Upper  
91 100  
126 33.7 16.3 48.8



#80  
1,3,5-Trimethylbenzene  
Concen: 46.611 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 105 Resp: 954125  
Ion Ratio Lower Upper  
105 100  
120 47.4 24.1 72.3

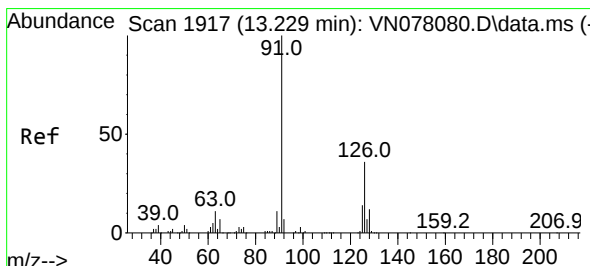
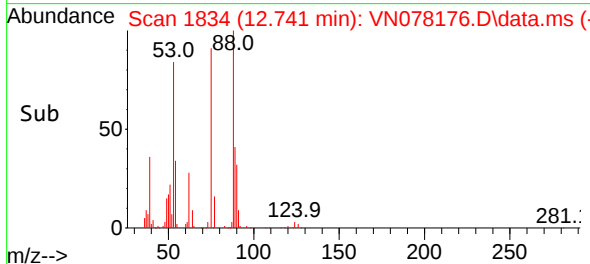
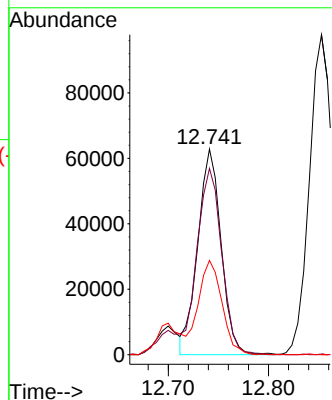
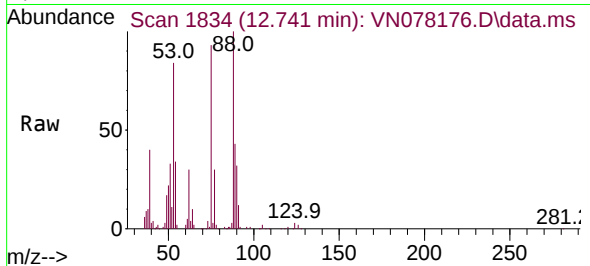




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 49.536 ug/l  
 RT: 12.741 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VN078176.D  
 Acq: 13 Jun 2023 09:52

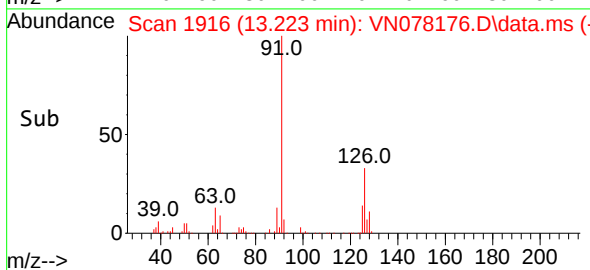
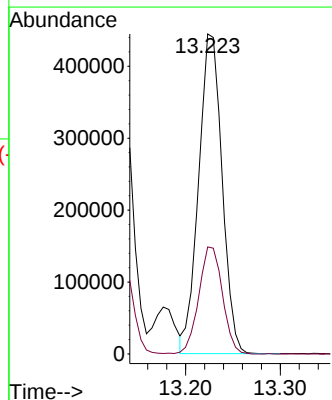
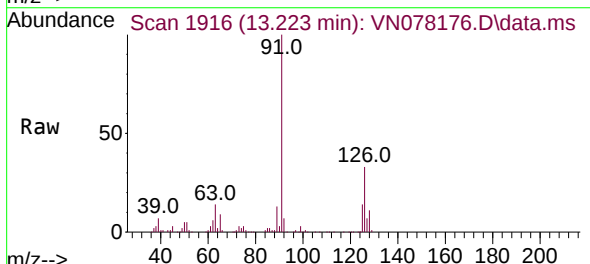
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

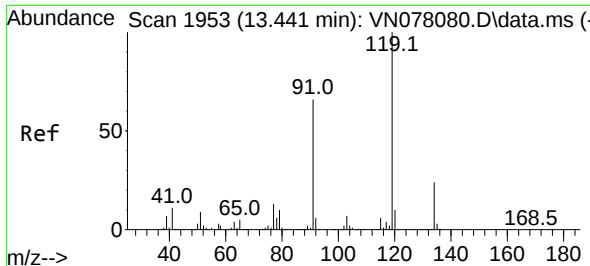
Tgt Ion: 75 Resp: 101911  
 Ion Ratio Lower Upper  
 75 100  
 53 97.5 67.4 101.2  
 89 46.0 38.8 58.2



#82  
 4-Chlorotoluene  
 Concen: 46.218 ug/l  
 RT: 13.223 min Scan# 1916  
 Delta R.T. -0.006 min  
 Lab File: VN078176.D  
 Acq: 13 Jun 2023 09:52

Tgt Ion: 91 Resp: 764850  
 Ion Ratio Lower Upper  
 91 100  
 126 33.9 16.7 50.0

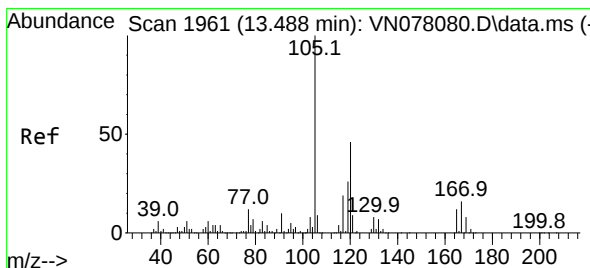
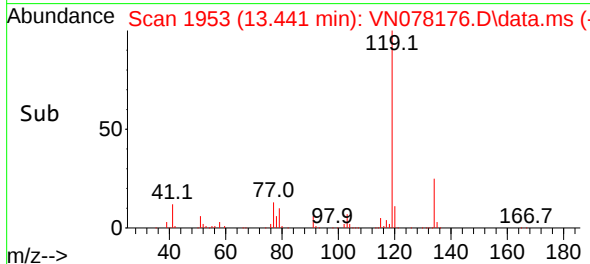
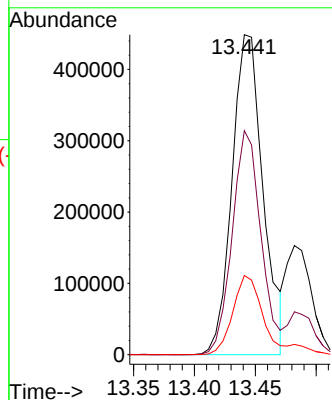
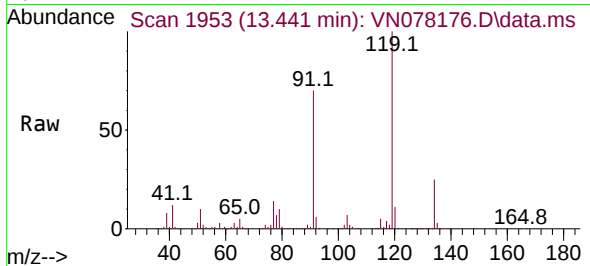




#83  
tert-Butylbenzene  
Concen: 44.793 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

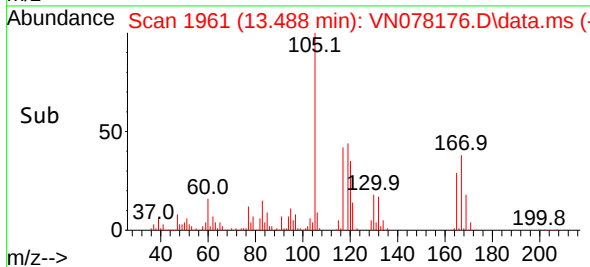
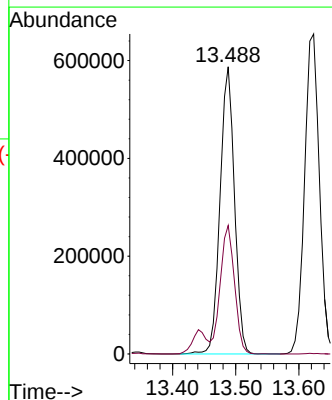
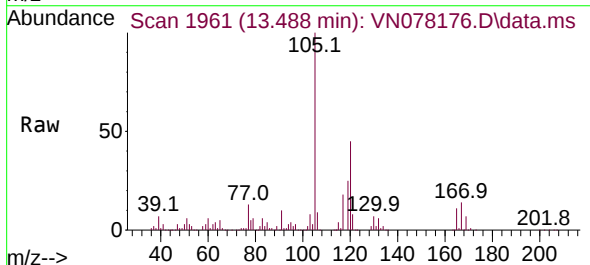
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

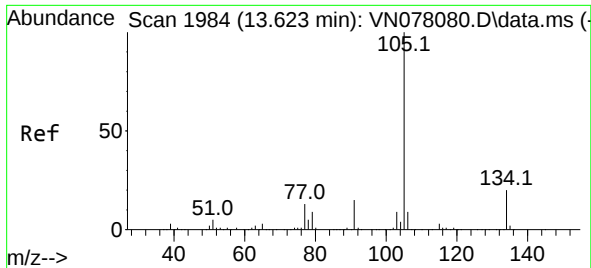
Tgt Ion:119 Resp: 797022  
Ion Ratio Lower Upper  
119 100  
91 65.1 33.9 101.7  
134 25.5 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 46.948 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion:105 Resp: 931723  
Ion Ratio Lower Upper  
105 100  
120 44.1 22.0 66.0

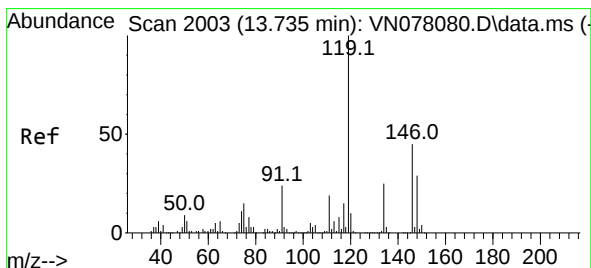
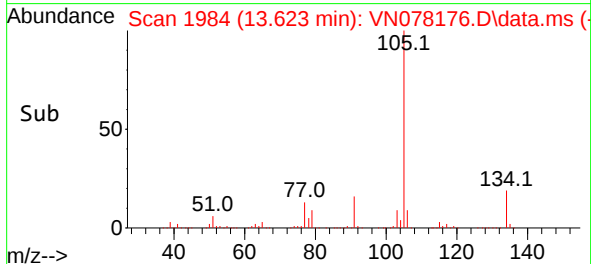
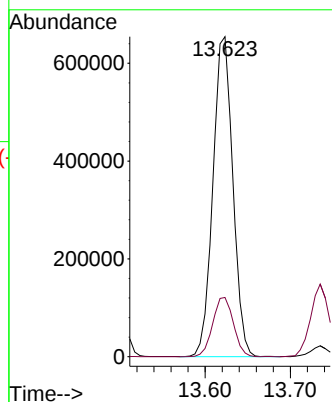
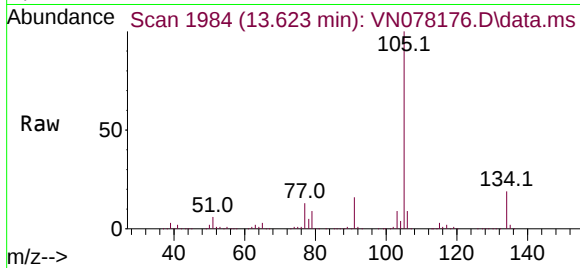




#85  
 sec-Butylbenzene  
 Concen: 45.599 ug/l  
 RT: 13.623 min Scan# 1984  
 Delta R.T. 0.000 min  
 Lab File: VN078176.D  
 Acq: 13 Jun 2023 09:52

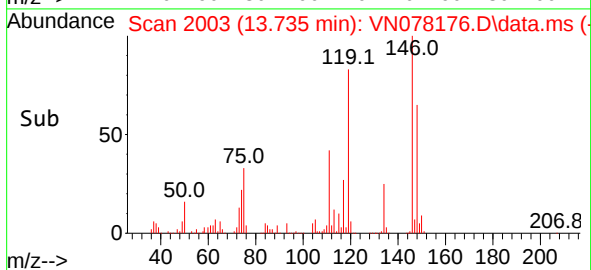
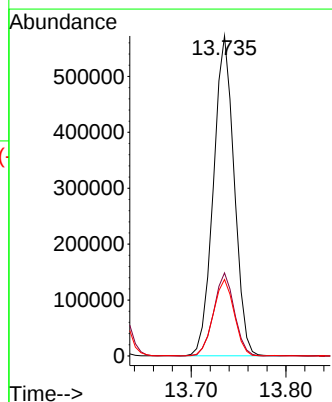
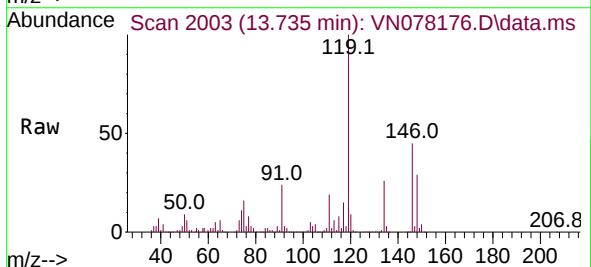
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

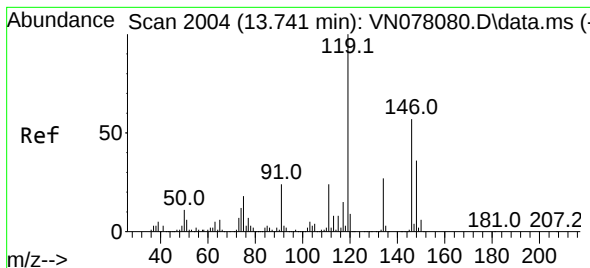
Tgt Ion:105 Resp: 1061963  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 46.067 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN078176.D  
 Acq: 13 Jun 2023 09:52

Tgt Ion:119 Resp: 870644  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 12.6 37.8  
 91 24.0 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 45.292 ug/l

RT: 13.735 min Scan# 2004

Delta R.T. -0.006 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

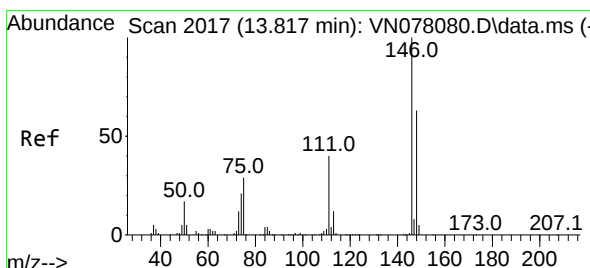
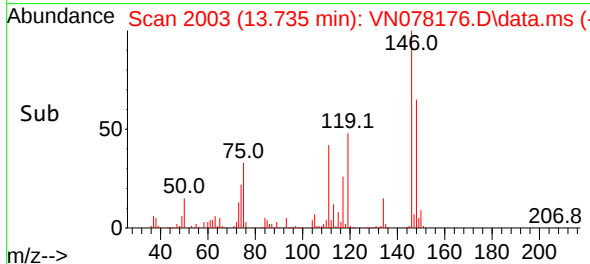
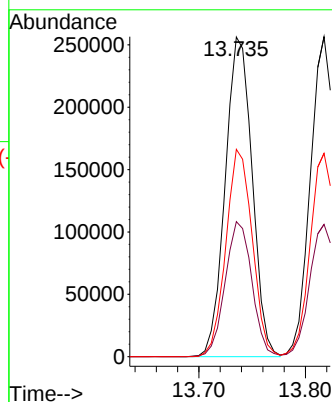
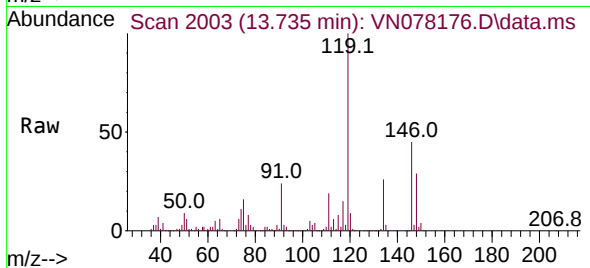
Tgt Ion:146 Resp: 449650

Ion Ratio Lower Upper

146 100

111 42.0 22.1 66.3

148 63.7 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 45.092 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

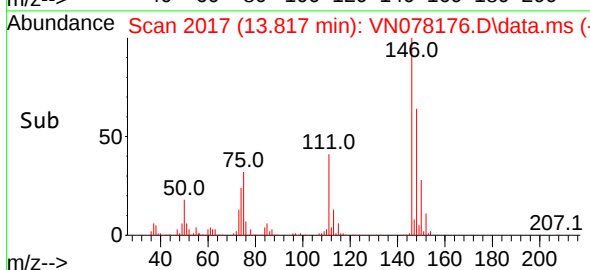
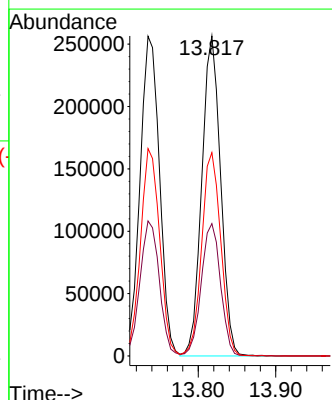
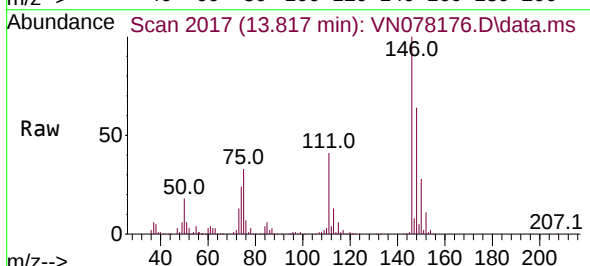
Tgt Ion:146 Resp: 431965

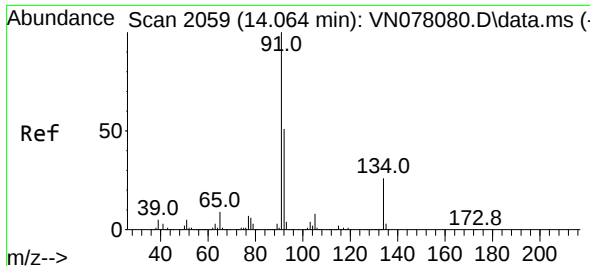
Ion Ratio Lower Upper

146 100

111 42.2 20.6 61.8

148 64.5 31.6 94.8

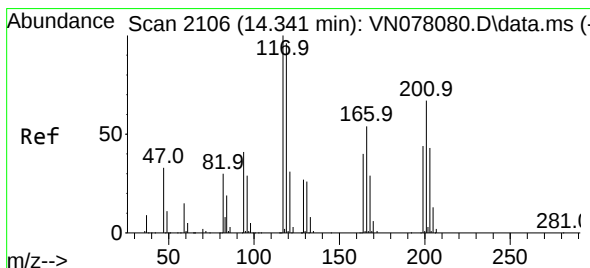
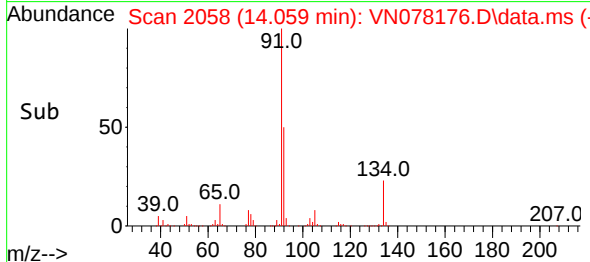
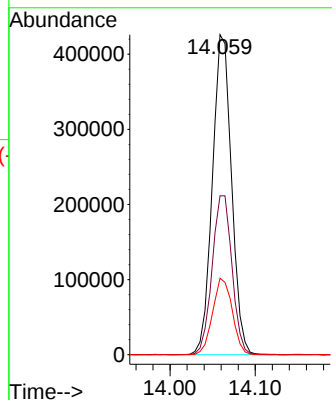
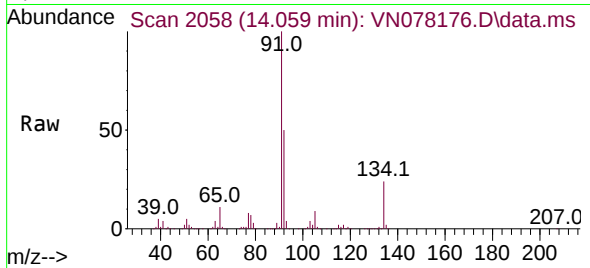




#89  
n-Butylbenzene  
Concen: 44.628 ug/l  
RT: 14.059 min Scan# 2059  
Delta R.T. -0.006 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

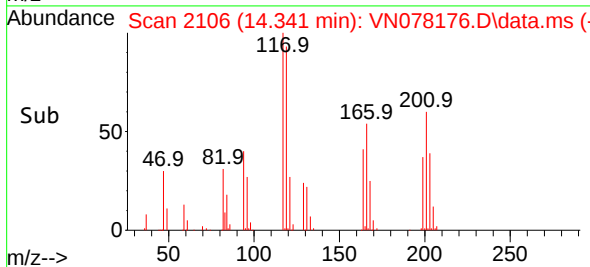
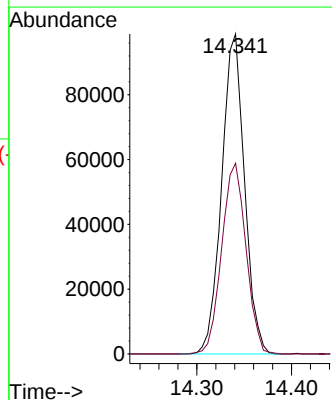
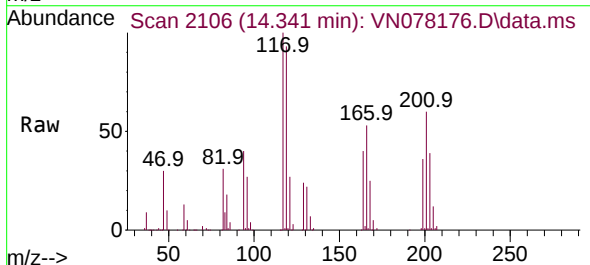
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ClientSampleId :  
VSTDCCC050

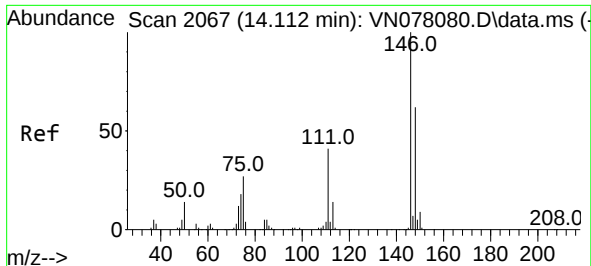
Tgt Ion: 91 Resp: 665262  
Ion Ratio Lower Upper  
91 100  
92 51.6 26.4 79.0  
134 24.5 12.6 37.6



#90  
Hexachloroethane  
Concen: 49.391 ug/l  
RT: 14.341 min Scan# 2106  
Delta R.T. -0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 117 Resp: 165655  
Ion Ratio Lower Upper  
117 100  
201 63.3 29.3 88.0

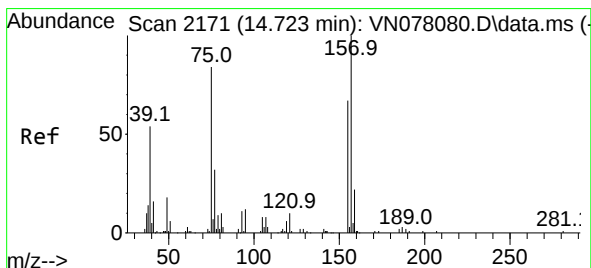
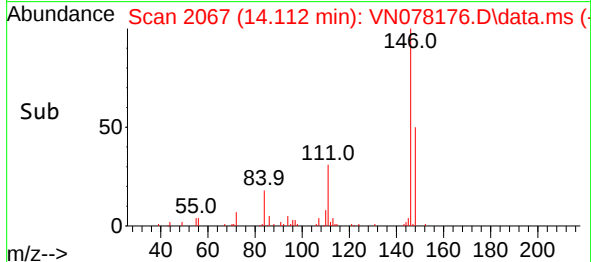
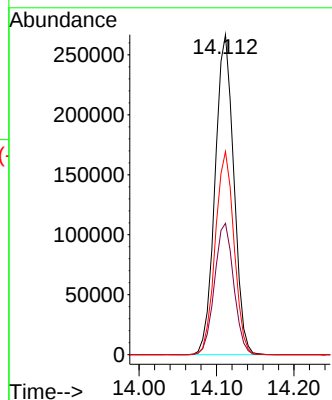
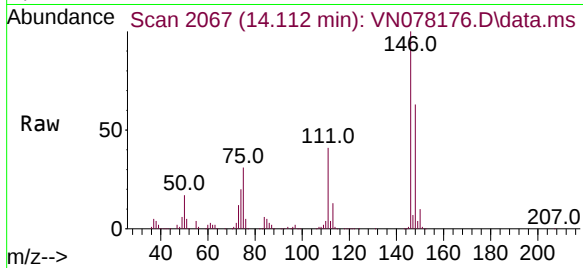




#91  
1,2-Dichlorobenzene  
Concen: 46.161 ug/l  
RT: 14.112 min Scan# 2067  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

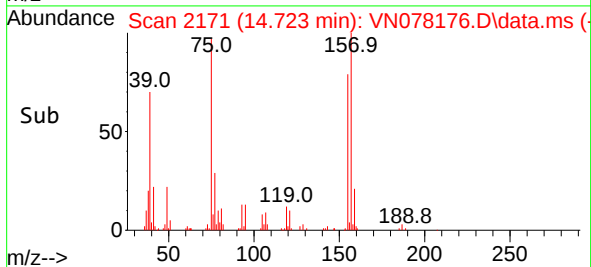
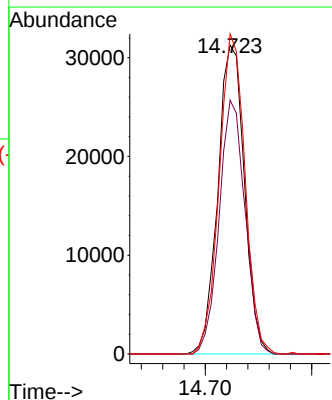
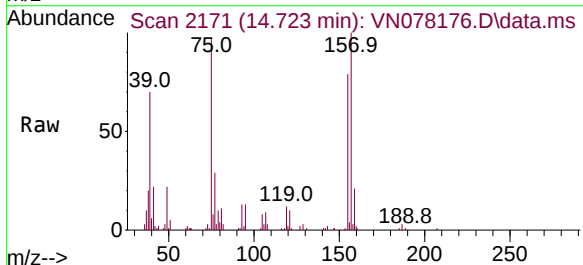
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

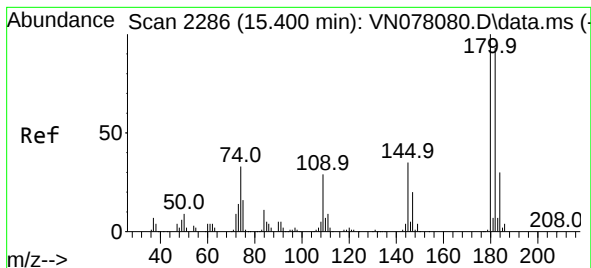
Tgt Ion:146 Resp: 447888  
Ion Ratio Lower Upper  
146 100  
111 42.0 22.0 66.0  
148 63.3 31.8 95.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 43.071 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.000 min  
Lab File: VN078176.D  
Acq: 13 Jun 2023 09:52

Tgt Ion: 75 Resp: 53939  
Ion Ratio Lower Upper  
75 100  
155 80.4 39.1 117.2  
157 101.1 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 45.784 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

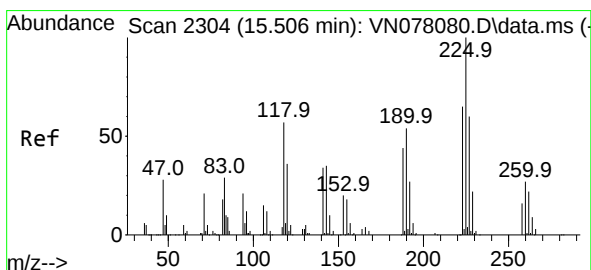
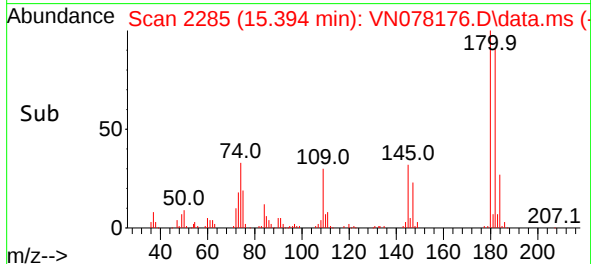
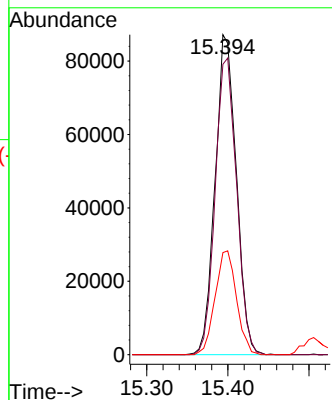
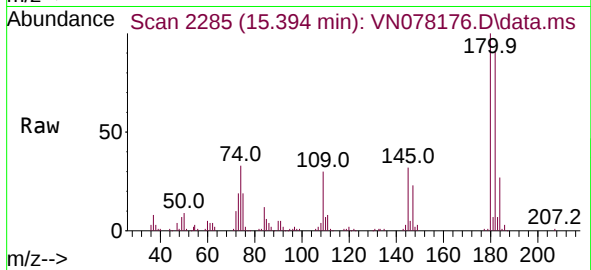
Tgt Ion:180 Resp: 158276

Ion Ratio Lower Upper

180 100

182 93.6 46.1 138.2

145 32.8 16.6 49.8



#94

Hexachlorobutadiene

Concen: 44.112 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

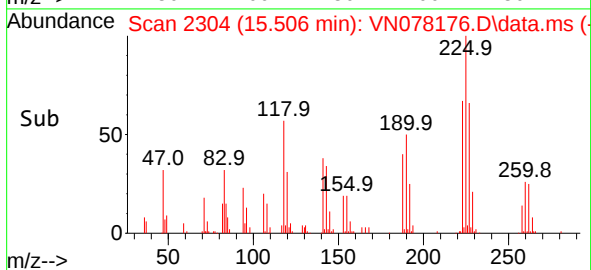
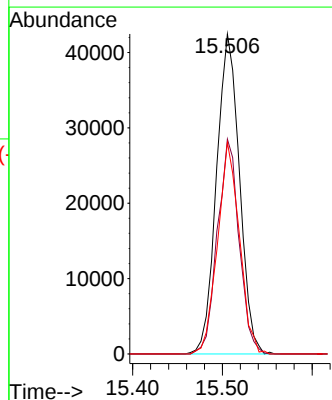
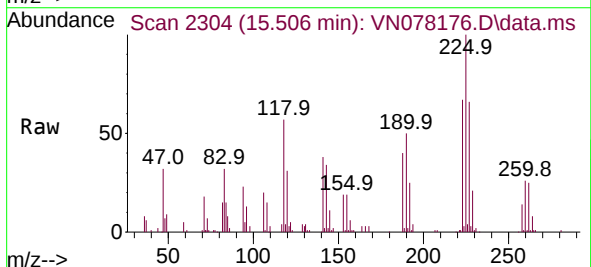
Tgt Ion:225 Resp: 75284

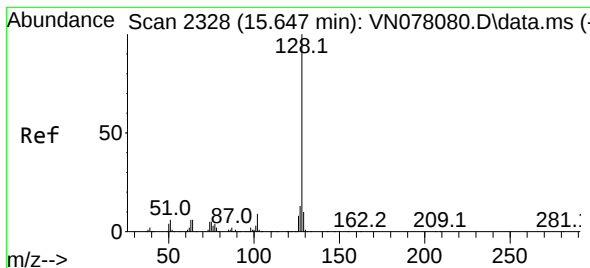
Ion Ratio Lower Upper

225 100

223 63.5 31.3 93.8

227 62.9 31.9 95.9





#95

Naphthalene

Concen: 40.489 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

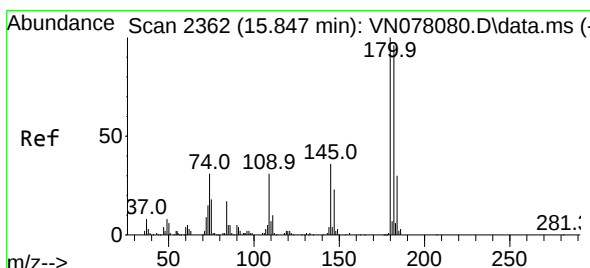
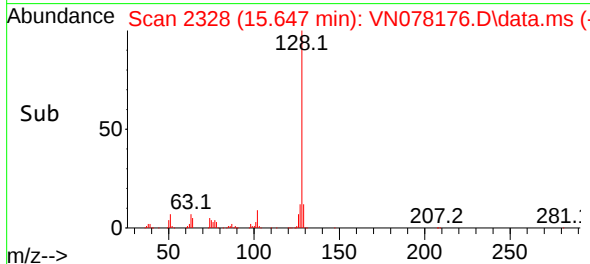
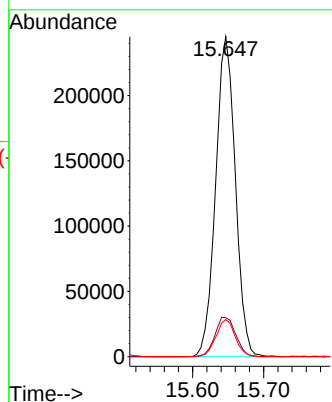
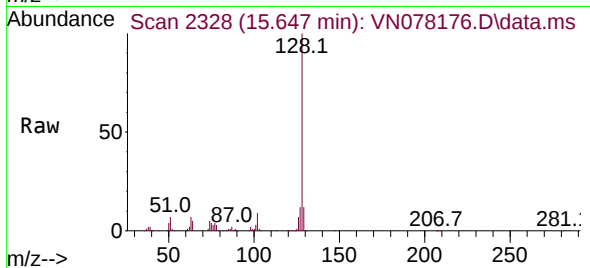
Tgt Ion:128 Resp: 470834

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

129 11.4 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 42.633 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.000 min

Lab File: VN078176.D

Acq: 13 Jun 2023 09:52

Tgt Ion:180 Resp: 164836

Ion Ratio Lower Upper

180 100

182 96.5 46.2 138.6

145 33.9 17.5 52.6

