

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120822\  
 Data File : VN075659.D  
 Acq On : 08 Dec 2022 20:08  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Dec 09 02:31:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 172983   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 283181   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 261757   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 136850   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 47636    | 51.302   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 102.600% |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 62195    | 55.909   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 111.820% |      |
| 50) Toluene-d8              | 10.571 | 98    | 131058   | 52.308   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 104.620% |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 104448   | 56.479   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 112.960% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.136 | 85  | 77484  | 58.579  | ug/l   | 98  |
| 3) Chloromethane             | 2.371 | 50  | 85654  | 52.042  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.524 | 62  | 111958 | 53.974  | ug/l   | 97  |
| 5) Bromomethane              | 2.948 | 94  | 94695  | 51.914  | ug/l   | 99  |
| 6) Chloroethane              | 3.118 | 64  | 84246  | 53.601  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.501 | 101 | 167057 | 56.375  | ug/l   | 100 |
| 8) Diethyl Ether             | 3.971 | 74  | 62231  | 59.918  | ug/l   | 94  |
| 9) 1,1,2-Trichlorotrifluo... | 4.383 | 101 | 96685  | 59.102  | ug/l   | 92  |
| 10) Methyl Iodide            | 4.595 | 142 | 158748 | 59.887  | ug/l   | 95  |
| 11) Tert butyl alcohol       | 5.530 | 59  | 83699  | 214.726 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 4.348 | 96  | 92896  | 57.991  | ug/l   | 88  |
| 13) Acrolein                 | 4.195 | 56  | 81069  | 238.737 | ug/l   | 97  |
| 14) Allyl chloride           | 5.036 | 41  | 105937 | 51.126  | ug/l # | 91  |
| 15) Acrylonitrile            | 5.730 | 53  | 230214 | 257.425 | ug/l   | 99  |
| 16) Acetone                  | 4.442 | 43  | 176999 | 204.361 | ug/l   | 93  |
| 17) Carbon Disulfide         | 4.724 | 76  | 226836 | 54.487  | ug/l   | 98  |
| 18) Methyl Acetate           | 5.042 | 43  | 121931 | 55.998  | ug/l   | 94  |
| 19) Methyl tert-butyl Ether  | 5.806 | 73  | 326831 | 57.594  | ug/l   | 97  |
| 20) Methylene Chloride       | 5.283 | 84  | 106987 | 61.202  | ug/l   | 90  |
| 21) trans-1,2-Dichloroethene | 5.800 | 96  | 101711 | 55.713  | ug/l   | 90  |
| 22) Diisopropyl ether        | 6.683 | 45  | 274856 | 58.127  | ug/l   | 95  |
| 23) Vinyl Acetate            | 6.612 | 43  | 932779 | 247.958 | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 6.583 | 63  | 175764 | 57.910  | ug/l   | 98  |
| 25) 2-Butanone               | 7.489 | 43  | 288121 | 238.275 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 7.500 | 77  | 141445 | 50.144  | ug/l   | 96  |
| 27) cis-1,2-Dichloroethene   | 7.494 | 96  | 124075 | 60.105  | ug/l   | 92  |
| 28) Bromochloromethane       | 7.824 | 49  | 69349  | 56.290  | ug/l   | 83  |
| 29) Tetrahydrofuran          | 7.841 | 42  | 189803 | 258.055 | ug/l   | 98  |
| 30) Chloroform               | 7.971 | 83  | 197219 | 56.584  | ug/l   | 95  |
| 31) Cyclohexane              | 8.265 | 56  | 155746 | 52.793  | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane    | 8.177 | 97  | 182810 | 57.765  | ug/l   | 95  |
| 36) 1,1-Dichloropropene      | 8.377 | 75  | 140476 | 57.906  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.571 | 43  | 117988 | 54.014  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 8.371 | 117 | 161979 | 60.781  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.606 | 83  | 181659 | 59.831  | ug/l   | 99  |
| 40) Benzene                  | 8.612 | 78  | 433474 | 58.360  | ug/l   | 100 |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Dec 09 02:31:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.789  | 41   | 62515    | 55.978  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 143785   | 57.801  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 201210   | 57.386  | ug/l   | 96       |
| 44) Trichloroethene           | 9.359  | 130  | 119271   | 58.686  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 103248   | 58.331  | ug/l   | 98       |
| 46) Dibromomethane            | 9.712  | 93   | 79782    | 59.592  | ug/l # | 90       |
| 47) Bromodichloromethane      | 9.894  | 83   | 157592   | 60.784  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.682  | 41   | 91414    | 56.385  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 44878    | 974.835 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 623891   | 279.373 | ug/l   | 97       |
| 52) Toluene                   | 10.635 | 92   | 290340   | 60.660  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 159301   | 61.203  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 172015   | 60.849  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 116538   | 59.780  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 165558   | 62.885  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 184868   | 58.159  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 239836   | 252.593 | ug/l   | 96       |
| 59) 2-Hexanone                | 11.200 | 43   | 461636   | 275.290 | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.365 | 129  | 132421   | 66.177  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 119850   | 59.232  | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.106 | 164  | 104526   | 52.291  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.894 | 112  | 318505   | 58.920  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 122519   | 60.727  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 570728   | 61.884  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.076 | 106  | 454009   | 121.226 | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 227536   | 61.148  | ug/l   | 96       |
| 70) Styrene                   | 12.412 | 104  | 370218   | 63.069  | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 100188   | 65.247  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.700 | 105  | 592949   | 59.306  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.494 | 43   | 183670   | 59.754  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 172817   | 56.694  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 201962   | 78.054  | ug/l   | 81       |
| 77) Bromobenzene              | 12.982 | 156  | 145122   | 58.793  | ug/l   | 83       |
| 78) n-propylbenzene           | 13.041 | 91   | 667072   | 59.784  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 391870   | 58.288  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 503992   | 60.673  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 47493    | 54.308  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 13.129 | 91   | 391870   | 58.288  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 450988   | 59.547  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 512466   | 61.505  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 639611   | 62.241  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 543724   | 62.887  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 274825   | 58.764  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 268199   | 56.454  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 437081   | 59.854  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.335 | 117  | 94905    | 63.628  | ug/l   | 83       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 270273   | 59.287  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 31012    | 53.708  | ug/l   | 78       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 138771   | 59.401  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 74179    | 60.959  | ug/l   | 99       |
| 95) Naphthalene               | 15.647 | 128  | 411889   | 56.043  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 131470   | 57.259  | ug/l   | 97       |

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ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Quant Title : SW846 8260  
QLast Update : Wed Nov 23 00:18:03 2022  
Response via : Initial Calibration

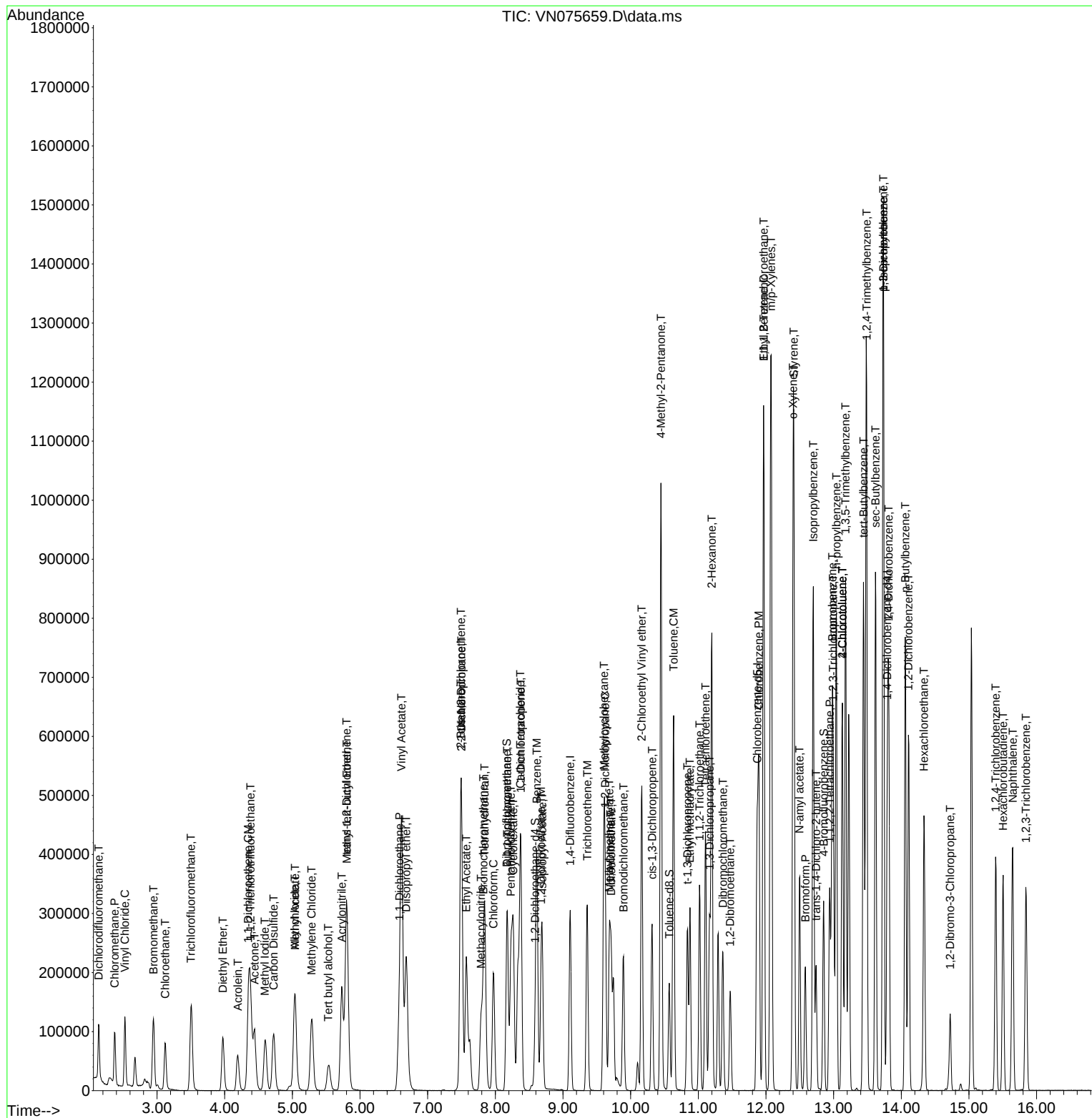
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

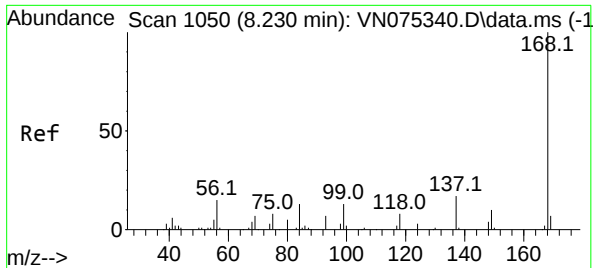
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 ALS Vial : 25 Sample Multiplier: 1

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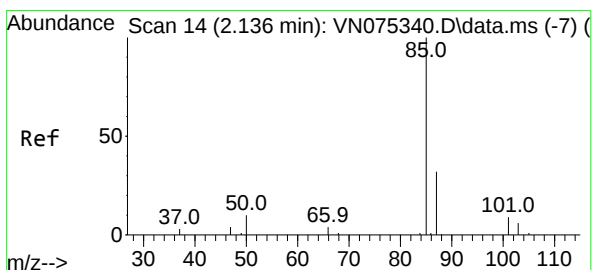
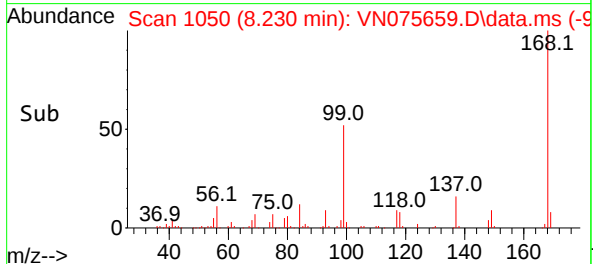
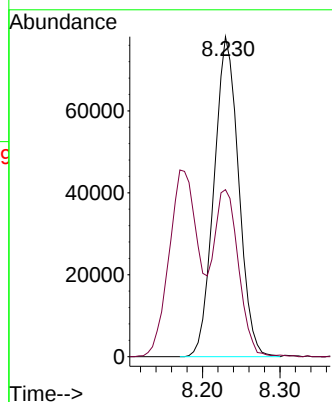
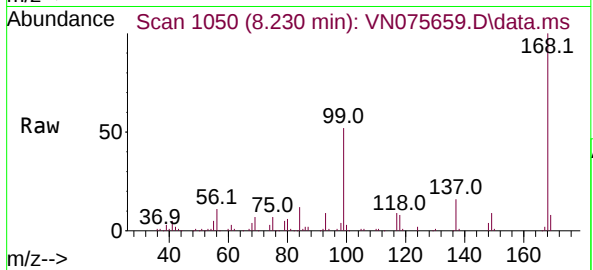




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

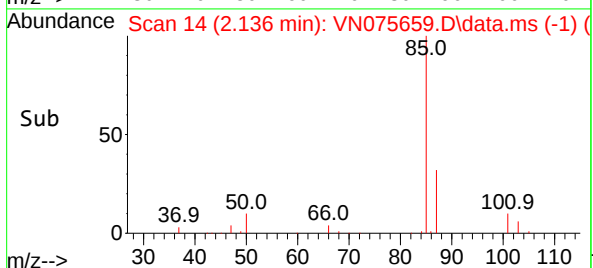
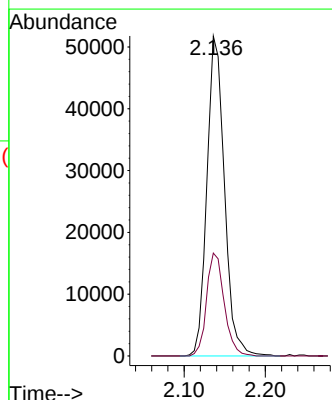
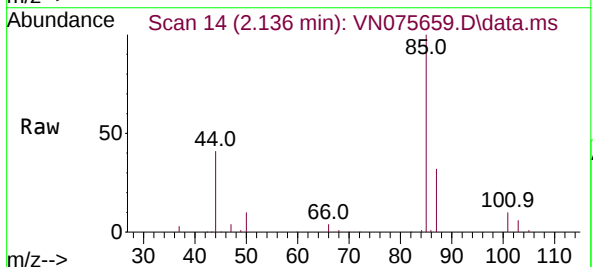
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

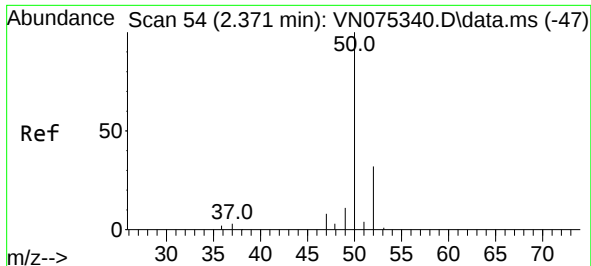
Tgt Ion:168 Resp: 172983  
Ion Ratio Lower Upper  
168 100  
99 51.7 51.6 77.4



#2  
Dichlorodifluoromethane  
Concen: 58.579 ug/l  
RT: 2.136 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 85 Resp: 77484  
Ion Ratio Lower Upper  
85 100  
87 32.1 16.7 50.0

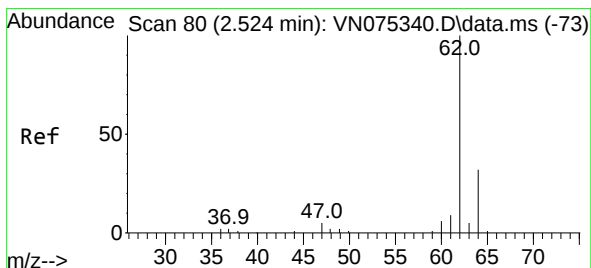
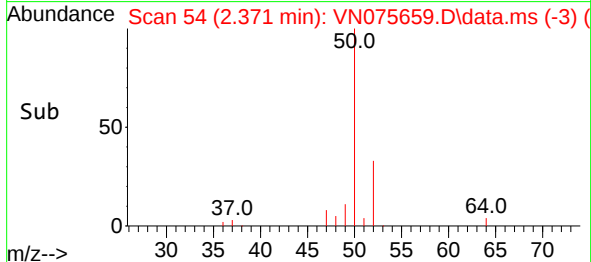
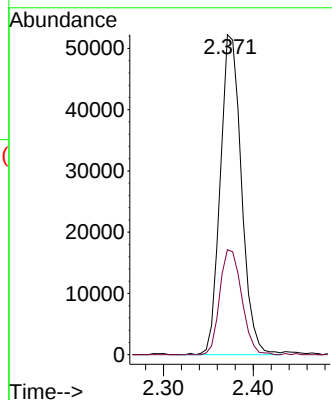
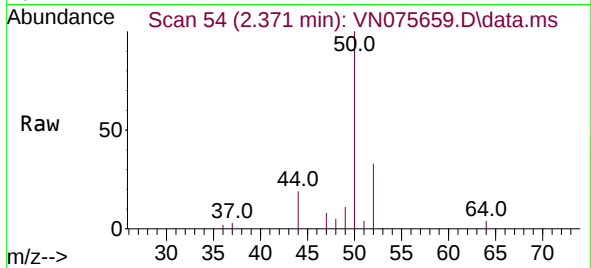




#3  
Chloromethane  
Concen: 52.042 ug/l  
RT: 2.371 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

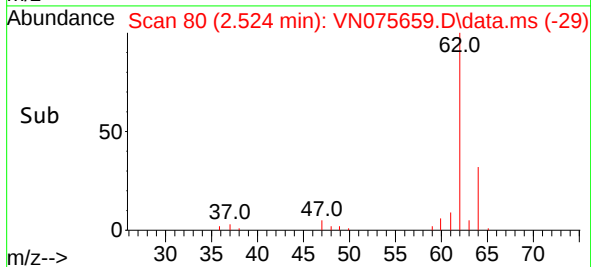
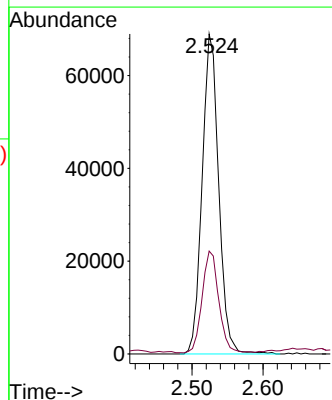
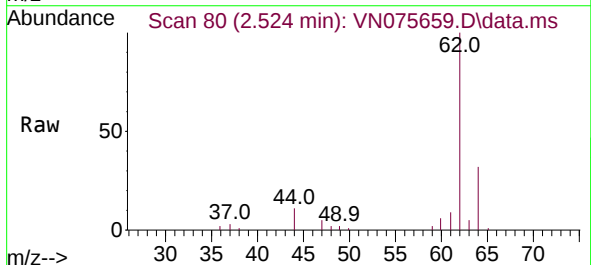
Instrument :  
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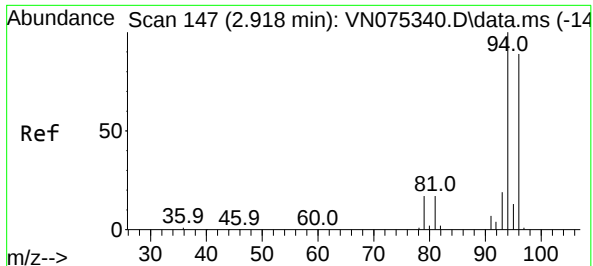
Tgt Ion: 50 Resp: 85654  
Ion Ratio Lower Upper  
50 100  
52 32.8 25.8 38.6



#4  
Vinyl Chloride  
Concen: 53.974 ug/l  
RT: 2.524 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 62 Resp: 111958  
Ion Ratio Lower Upper  
62 100  
64 31.8 24.0 36.0

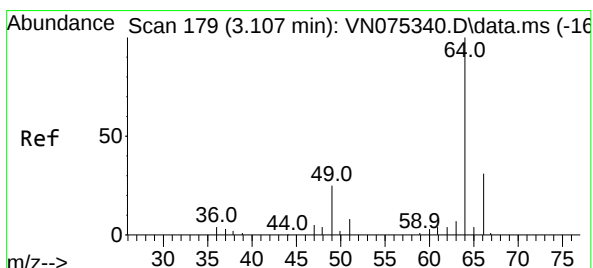
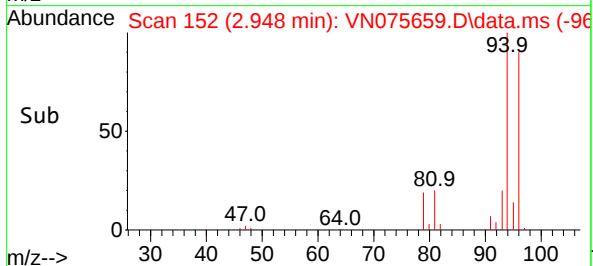
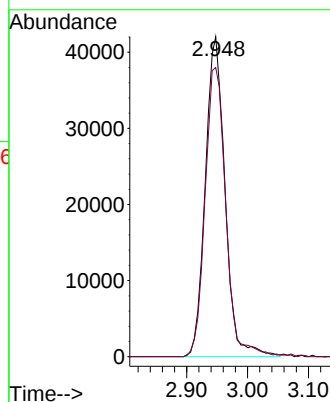
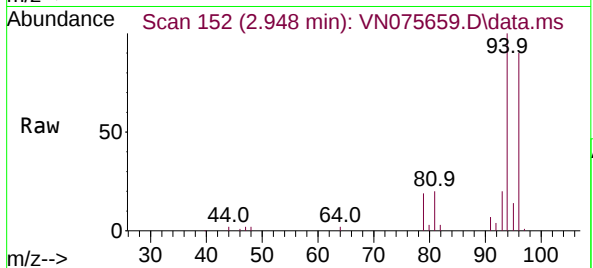




#5  
Bromomethane  
Concen: 51.914 ug/l  
RT: 2.948 min Scan# 11  
Delta R.T. 0.030 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

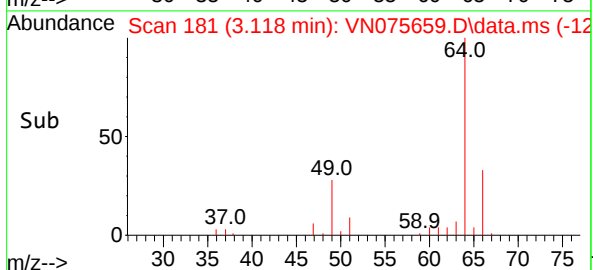
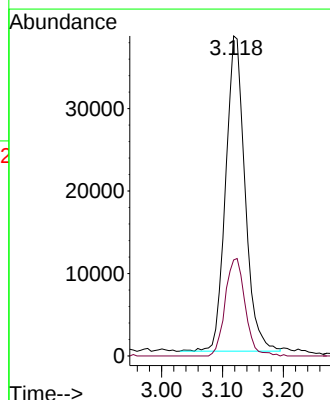
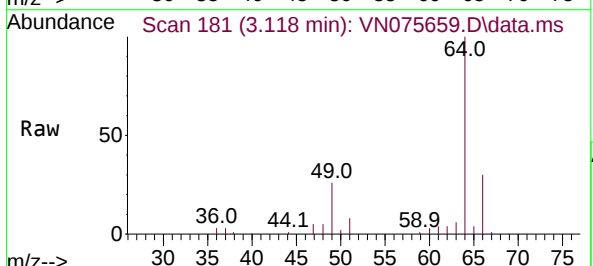
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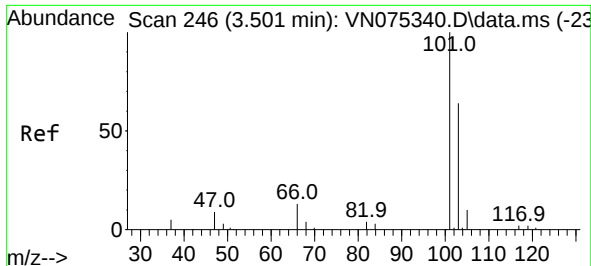
Tgt Ion: 94 Resp: 94695  
Ion Ratio Lower Upper  
94 100  
96 90.4 71.8 107.6



#6  
Chloroethane  
Concen: 53.601 ug/l  
RT: 3.118 min Scan# 181  
Delta R.T. 0.011 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 64 Resp: 84246  
Ion Ratio Lower Upper  
64 100  
66 30.5 23.8 35.8

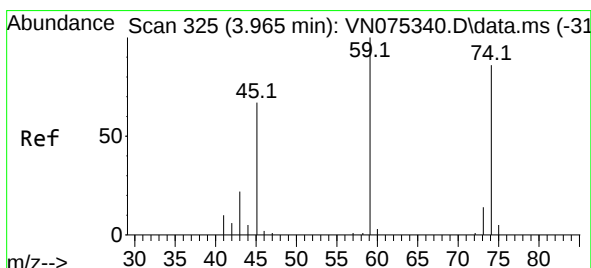
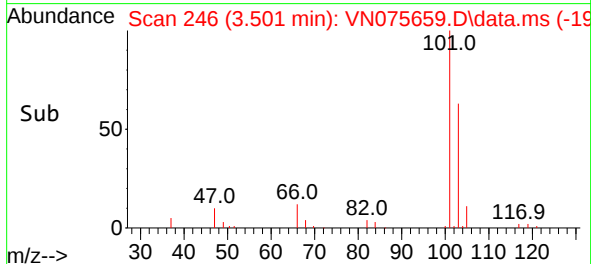
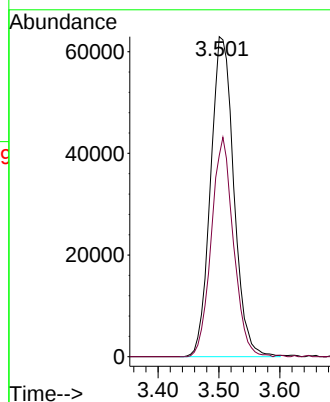
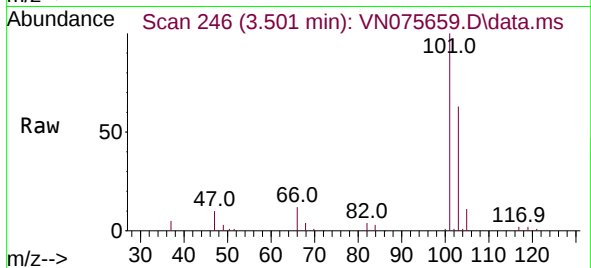




#7  
 Trichlorofluoromethane  
 Concen: 56.375 ug/l  
 RT: 3.501 min Scan# 246  
 Delta R.T. -0.000 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

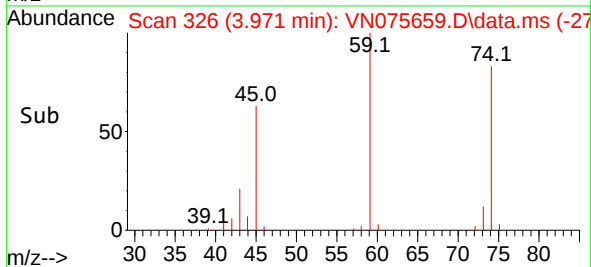
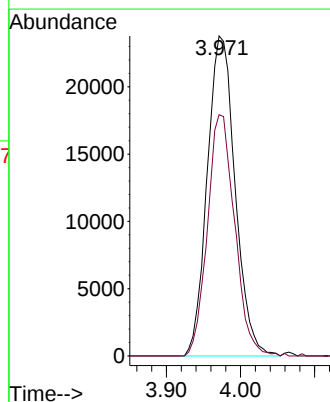
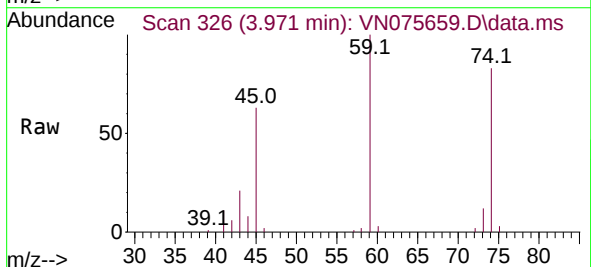
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

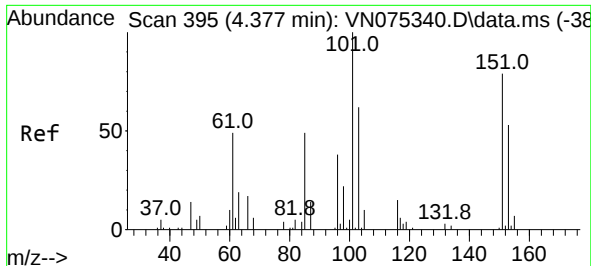
Tgt Ion:101 Resp: 167057  
 Ion Ratio Lower Upper  
 101 100  
 103 62.9 50.5 75.7



#8  
 Diethyl Ether  
 Concen: 59.918 ug/l  
 RT: 3.971 min Scan# 326  
 Delta R.T. 0.006 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

Tgt Ion: 74 Resp: 62231  
 Ion Ratio Lower Upper  
 74 100  
 45 73.6 39.3 117.9

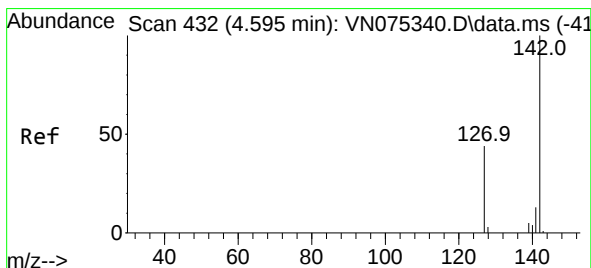
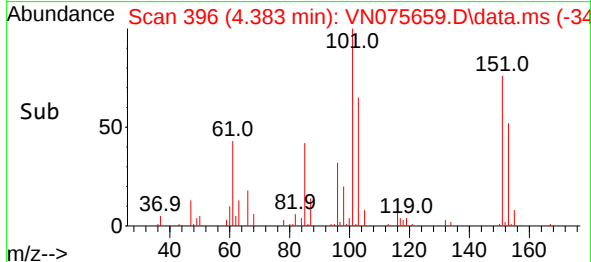
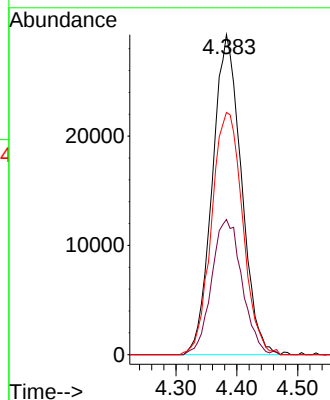
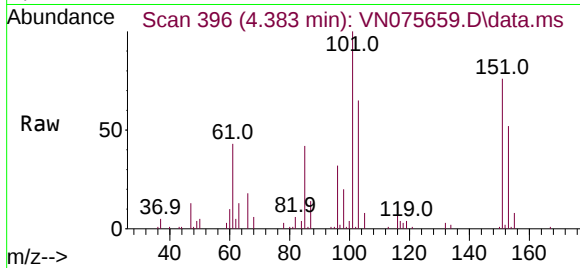




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 59.102 ug/l  
RT: 4.383 min Scan# 396  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

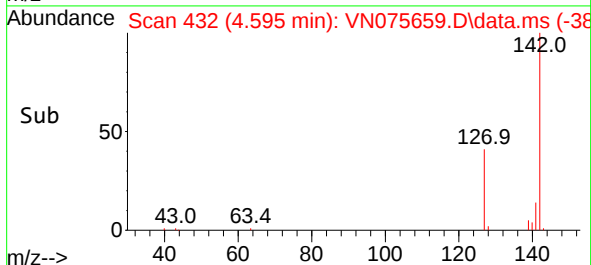
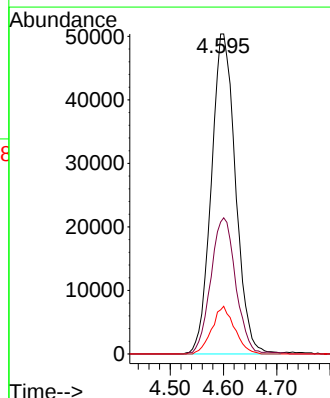
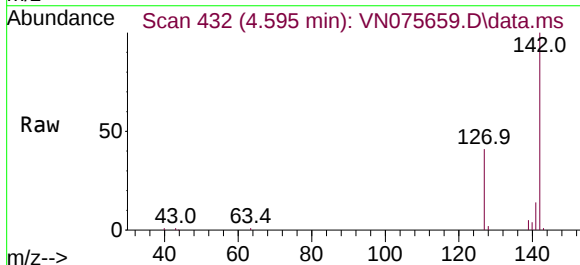
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

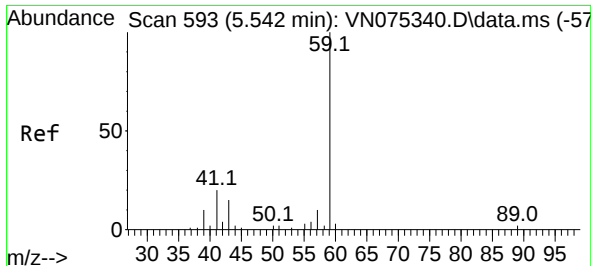
Tgt Ion:101 Resp: 96685  
Ion Ratio Lower Upper  
101 100  
85 44.4 37.6 56.4  
151 81.2 58.3 87.5



#10  
Methyl Iodide  
Concen: 59.887 ug/l  
RT: 4.595 min Scan# 432  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion:142 Resp: 158748  
Ion Ratio Lower Upper  
142 100  
127 43.7 38.0 57.0  
141 14.0 12.2 18.4

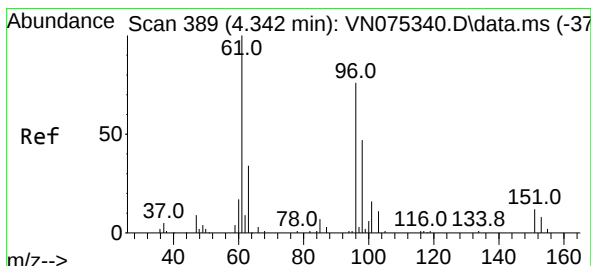
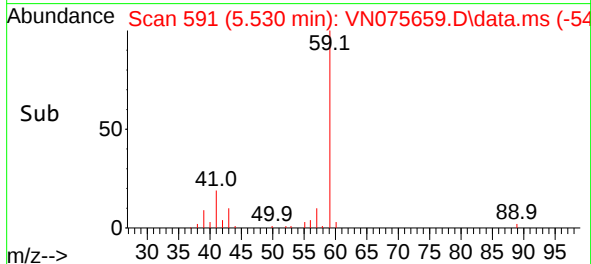
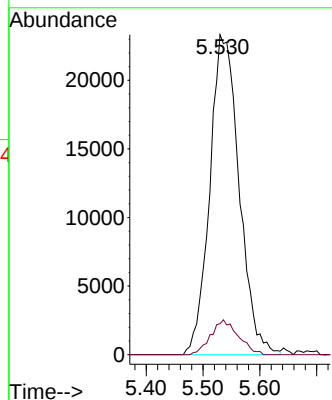
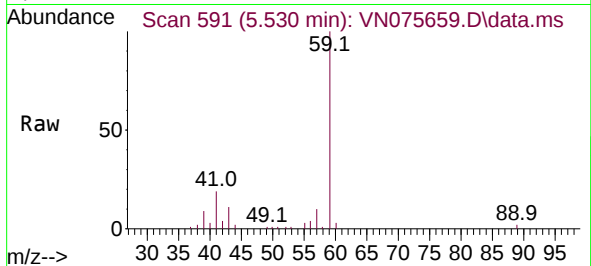




#11  
Tert butyl alcohol  
Concen: 214.726 ug/l  
RT: 5.530 min Scan# 591  
Delta R.T. -0.012 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

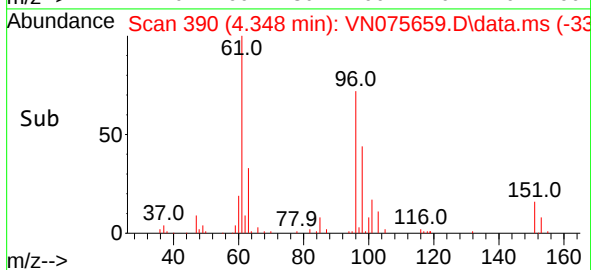
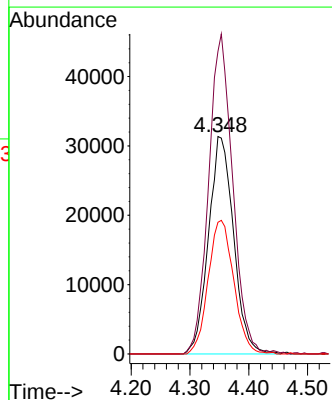
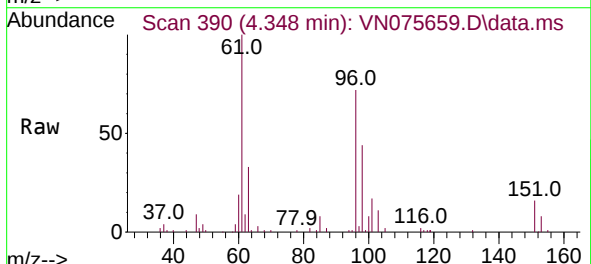
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

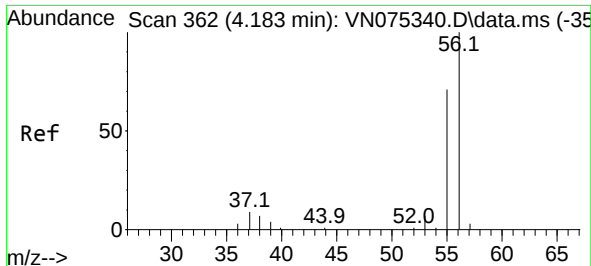
Tgt Ion: 59 Resp: 83699  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.5 12.7



#12  
1,1-Dichloroethene  
Concen: 57.991 ug/l  
RT: 4.348 min Scan# 390  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 96 Resp: 92896  
Ion Ratio Lower Upper  
96 100  
61 139.1 126.2 189.4  
98 60.6 51.5 77.3

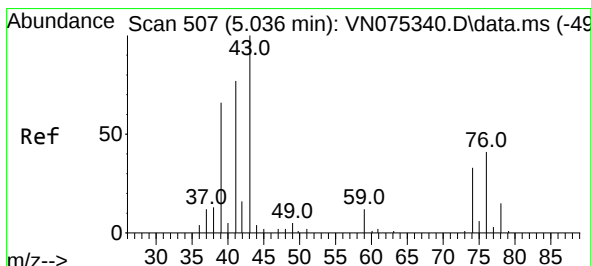
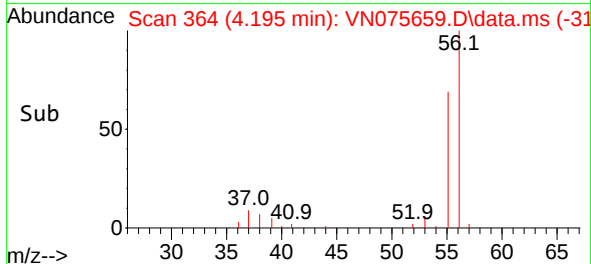
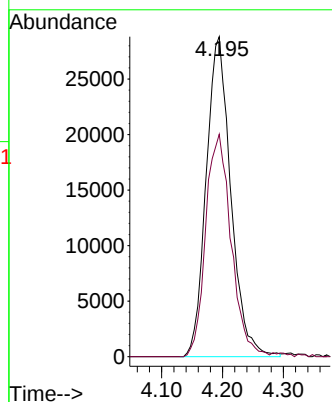
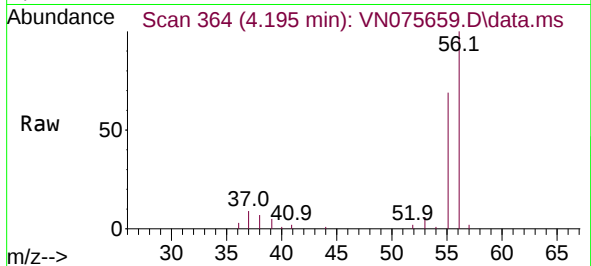




#13  
Acrolein  
Concen: 238.737 ug/l  
RT: 4.195 min Scan# 364  
Delta R.T. 0.012 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

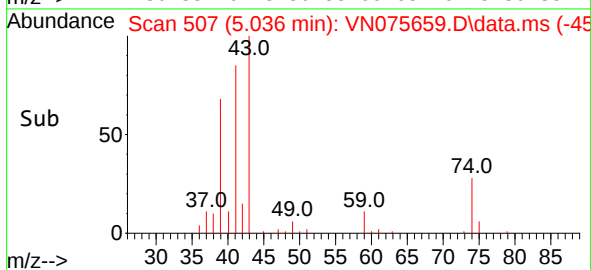
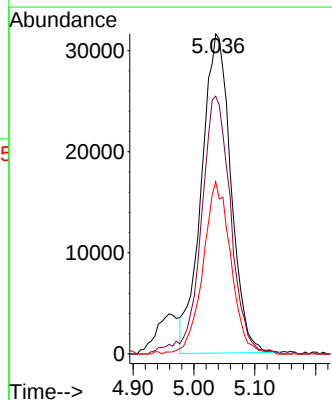
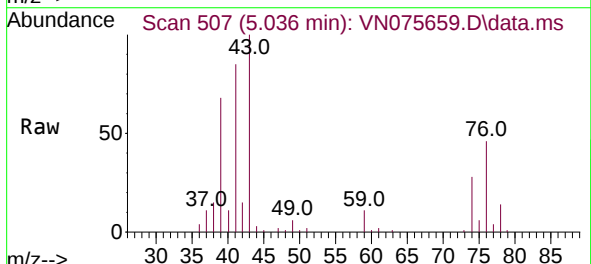
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

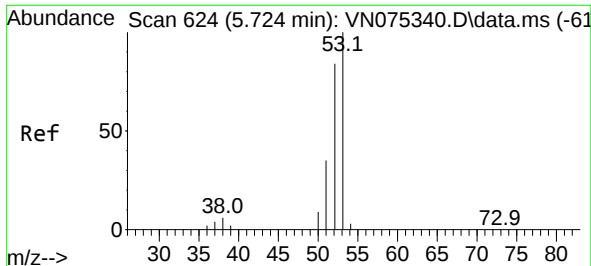
Tgt Ion: 56 Resp: 81069  
Ion Ratio Lower Upper  
56 100  
55 71.6 55.2 82.8



#14  
Allyl chloride  
Concen: 51.126 ug/l  
RT: 5.036 min Scan# 507  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 41 Resp: 105937  
Ion Ratio Lower Upper  
41 100  
39 81.2 61.0 91.4  
76 51.1 33.4 50.0#

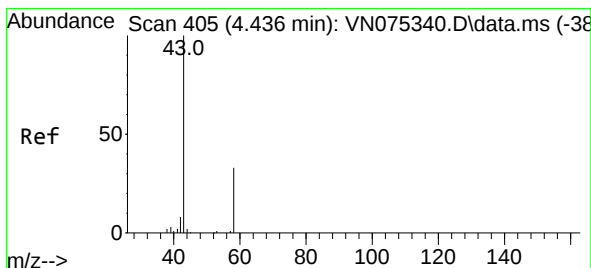
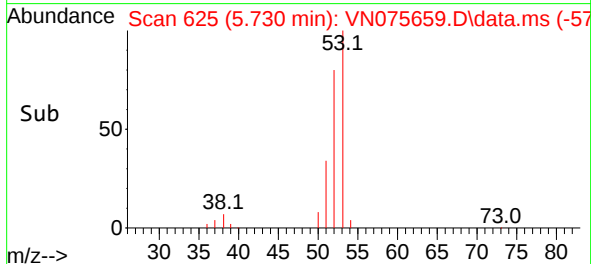
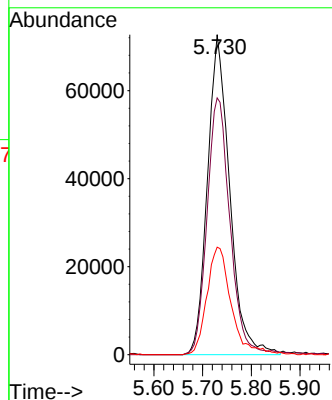
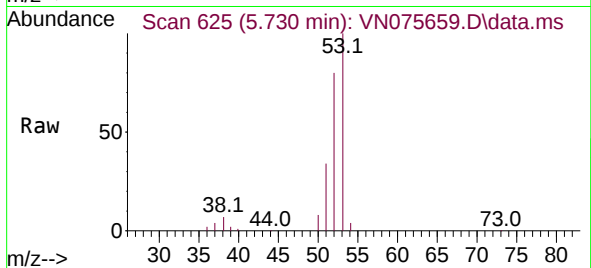




#15  
Acrylonitrile  
Concen: 257.425 ug/l  
RT: 5.730 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

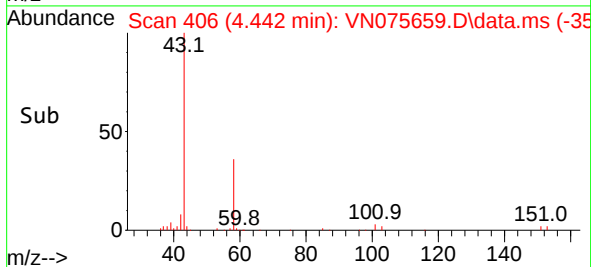
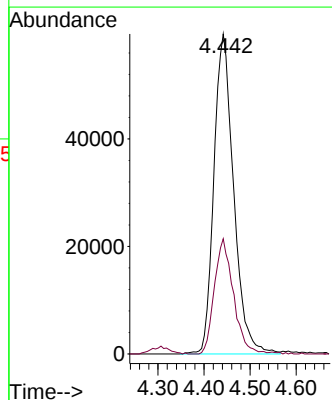
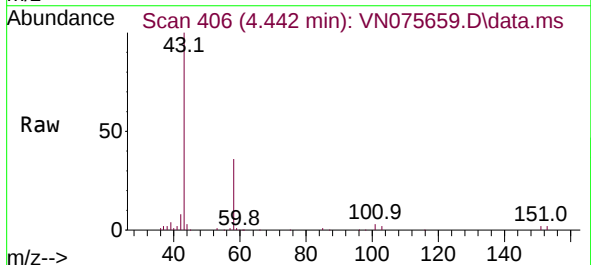
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

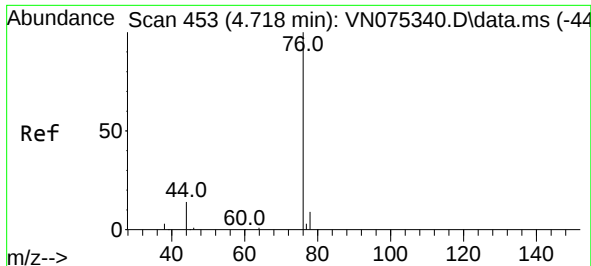
Tgt Ion: 53 Resp: 230214  
Ion Ratio Lower Upper  
53 100  
52 82.1 66.4 99.6  
51 36.8 29.6 44.4



#16  
Acetone  
Concen: 204.361 ug/l  
RT: 4.442 min Scan# 406  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 43 Resp: 176999  
Ion Ratio Lower Upper  
43 100  
58 35.6 25.5 38.3

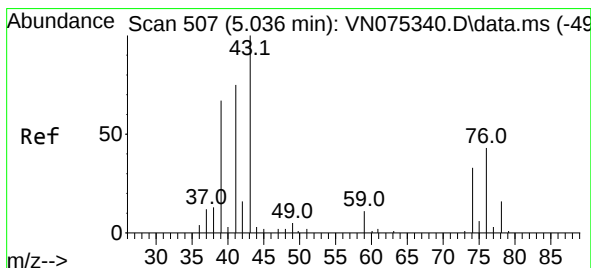
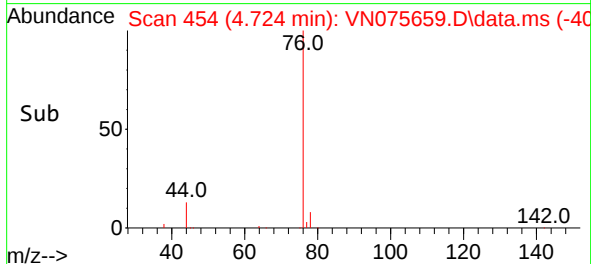
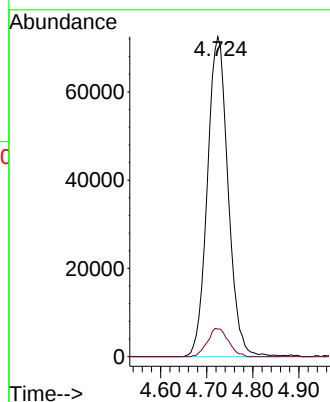
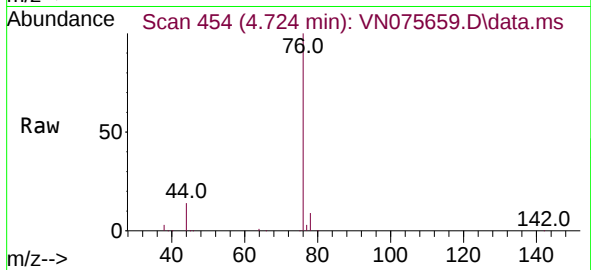




#17  
Carbon Disulfide  
Concen: 54.487 ug/l  
RT: 4.724 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

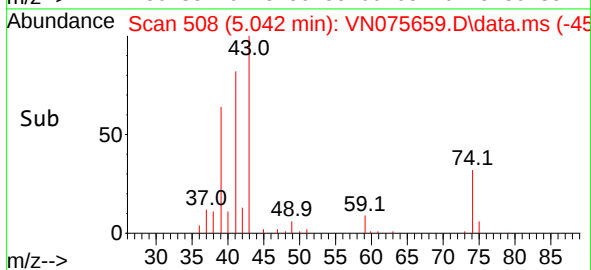
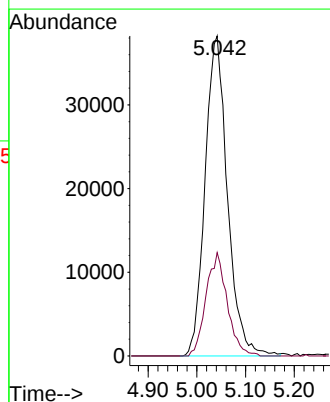
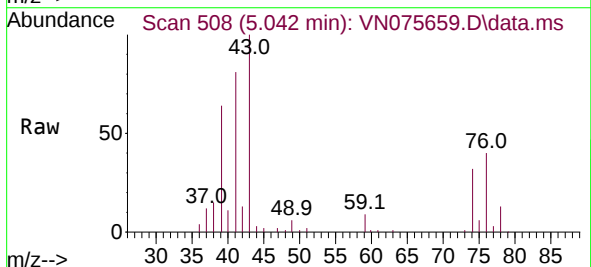
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

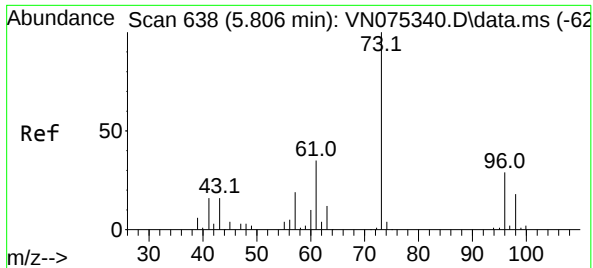
Tgt Ion: 76 Resp: 226836  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.4 11.2



#18  
Methyl Acetate  
Concen: 55.998 ug/l  
RT: 5.042 min Scan# 508  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 43 Resp: 121931  
Ion Ratio Lower Upper  
43 100  
74 30.6 22.0 33.0

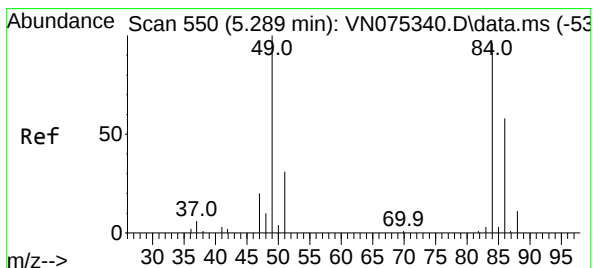
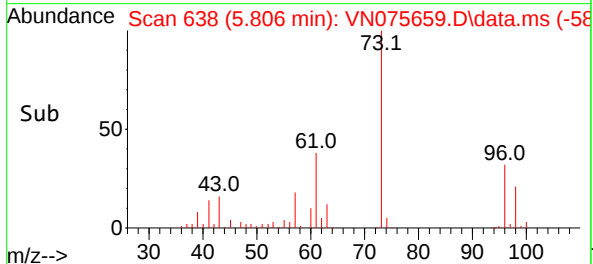
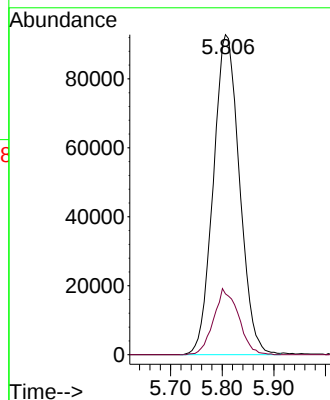
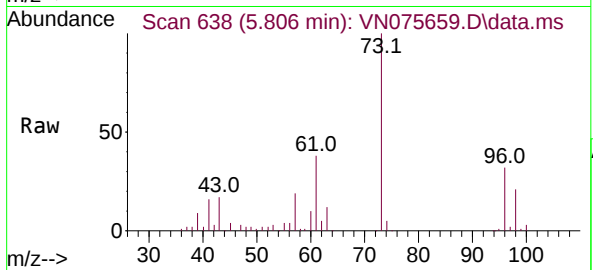




#19  
Methyl tert-butyl Ether  
Concen: 57.594 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

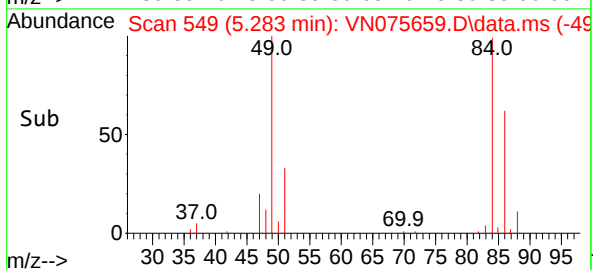
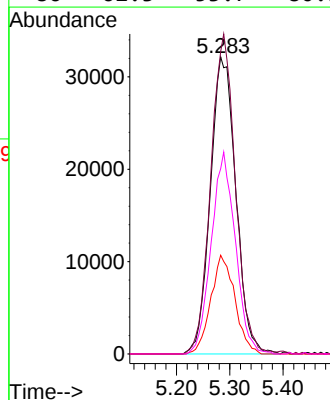
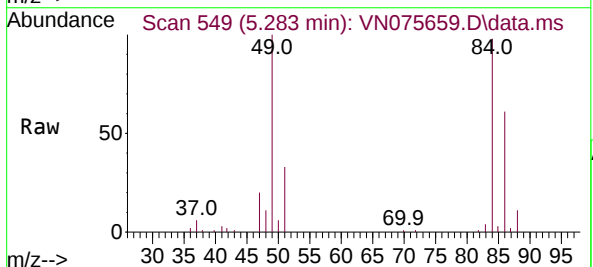
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MSVOA\_N  
ClientSampleId :  
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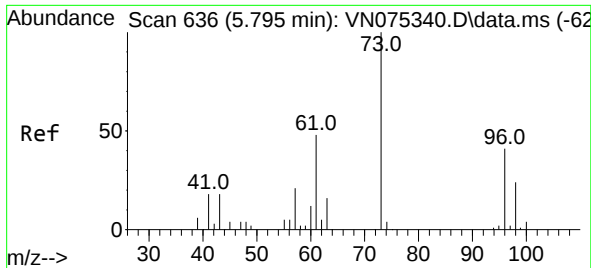
Tgt Ion: 73 Resp: 326831  
Ion Ratio Lower Upper  
73 100  
57 19.0 16.3 24.5



#20  
Methylene Chloride  
Concen: 61.202 ug/l  
RT: 5.283 min Scan# 549  
Delta R.T. -0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 84 Resp: 106987  
Ion Ratio Lower Upper  
84 100  
49 101.8 94.9 142.3  
51 33.3 26.8 40.2  
86 62.3 53.7 80.5

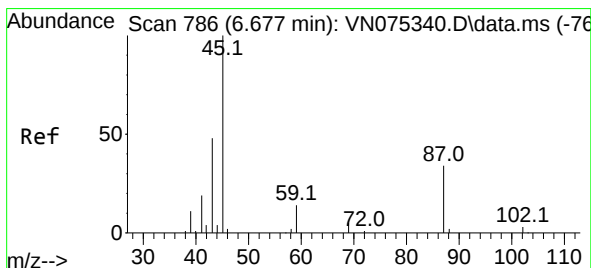
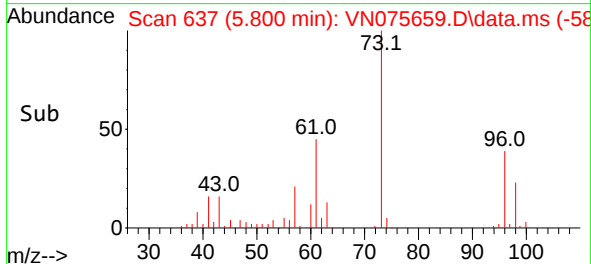
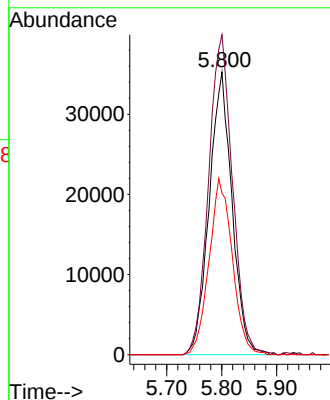
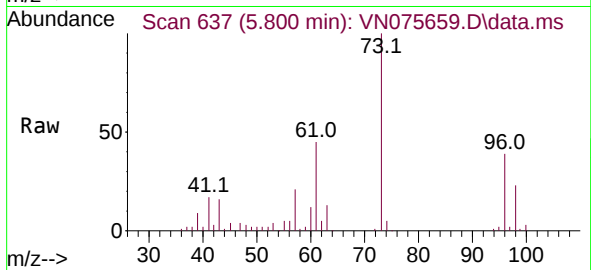




#21  
trans-1,2-Dichloroethene  
Concen: 55.713 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. 0.005 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

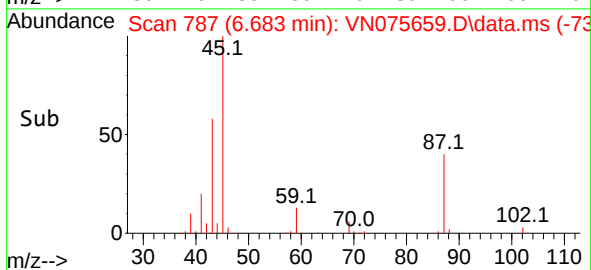
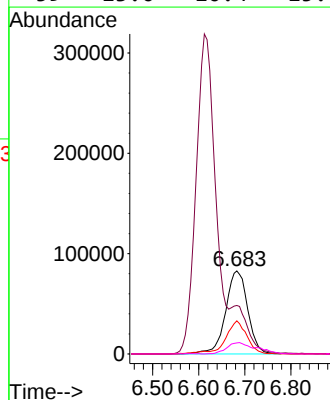
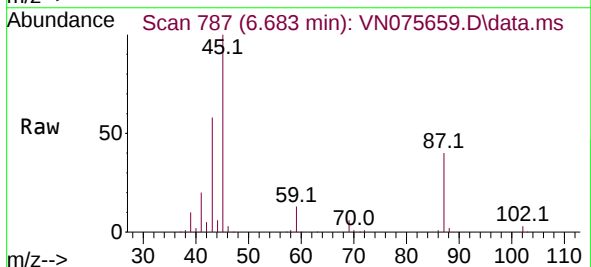
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

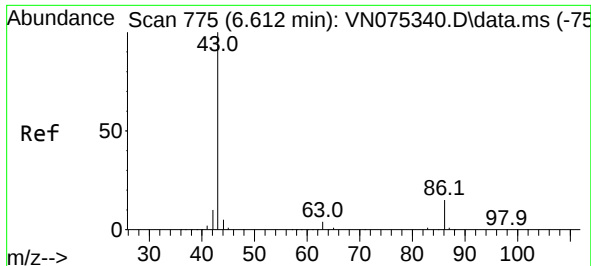
Tgt Ion: 96 Resp: 101711  
Ion Ratio Lower Upper  
96 100  
61 113.2 99.9 149.9  
98 57.2 51.5 77.3



#22  
Diisopropyl ether  
Concen: 58.127 ug/l  
RT: 6.683 min Scan# 787  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 45 Resp: 274856  
Ion Ratio Lower Upper  
45 100  
43 57.3 42.8 64.2  
87 39.9 28.4 42.6  
59 13.0 10.4 15.6

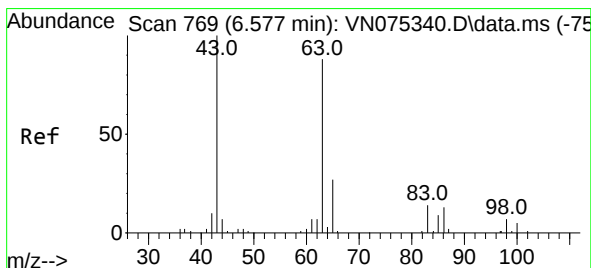
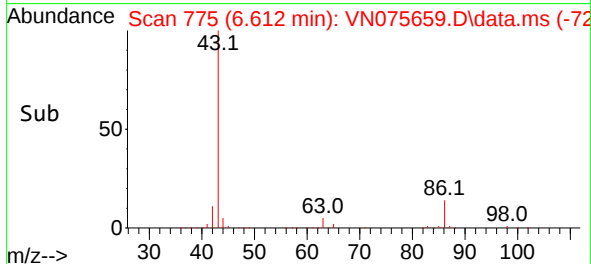
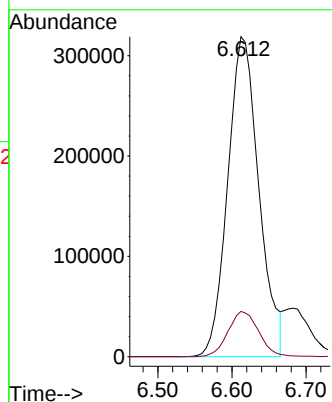
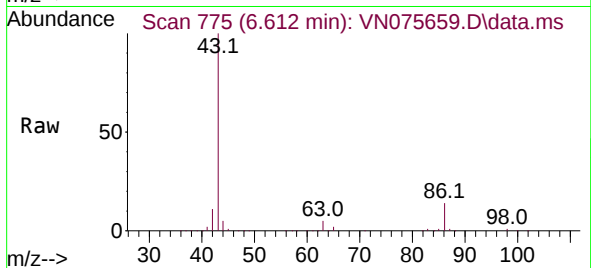




#23  
 Vinyl Acetate  
 Concen: 247.958 ug/l  
 RT: 6.612 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

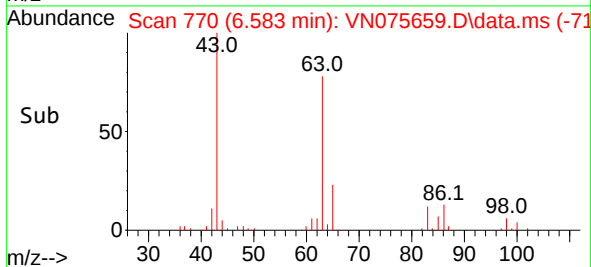
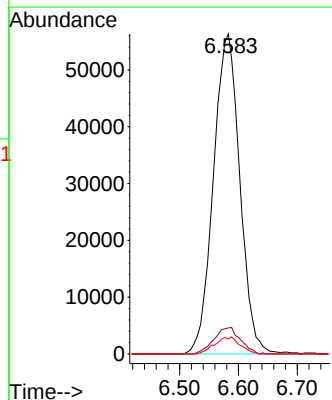
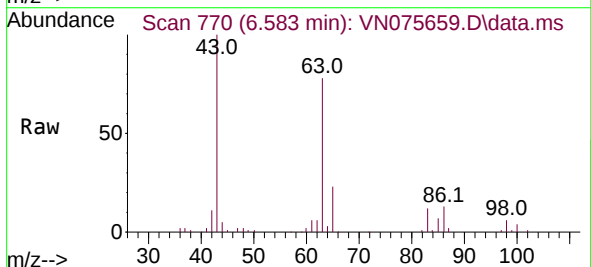
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

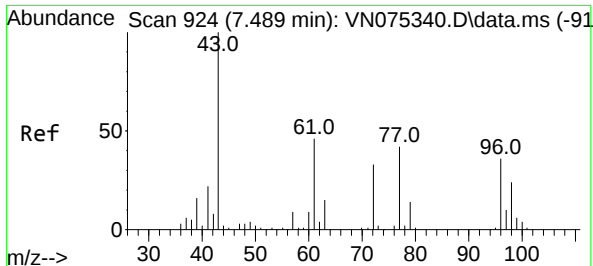
Tgt Ion: 43 Resp: 932779  
 Ion Ratio Lower Upper  
 43 100  
 86 14.1 10.7 16.1



#24  
 1,1-Dichloroethane  
 Concen: 57.910 ug/l  
 RT: 6.583 min Scan# 770  
 Delta R.T. 0.006 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

Tgt Ion: 63 Resp: 175764  
 Ion Ratio Lower Upper  
 63 100  
 98 8.1 3.6 10.8  
 100 4.7 2.4 7.2





#25

2-Butanone

Concen: 238.275 ug/l

RT: 7.489 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

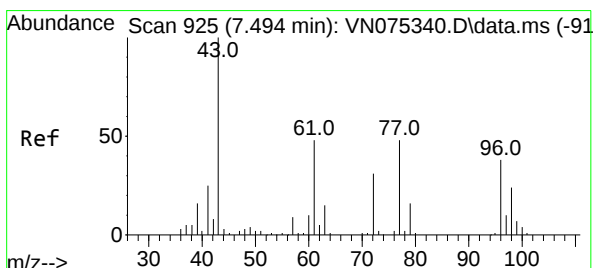
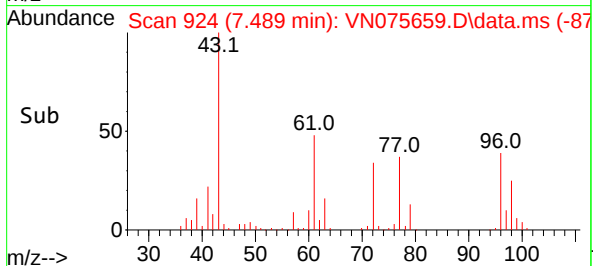
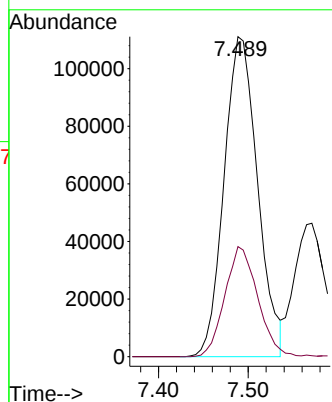
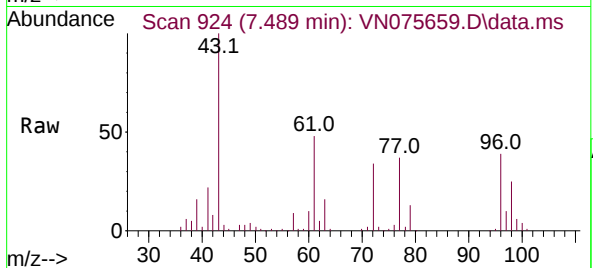
VSTDCCC050EC

Tgt Ion: 43 Resp: 288121

Ion Ratio Lower Upper

43 100

72 34.4 25.5 38.3



#26

2,2-Dichloropropane

Concen: 50.144 ug/l

RT: 7.500 min Scan# 926

Delta R.T. 0.006 min

Lab File: VN075659.D

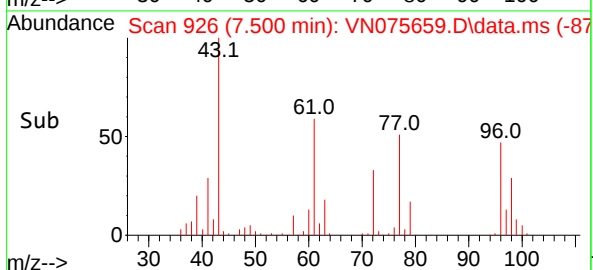
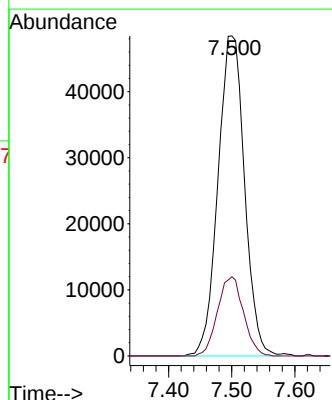
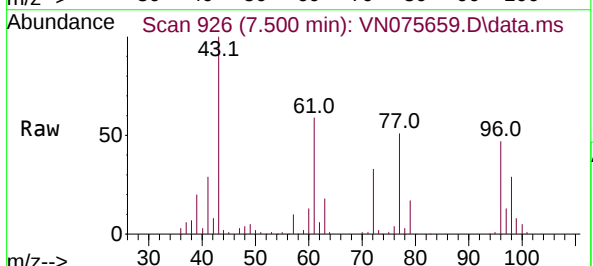
Acq: 08 Dec 2022 20:08

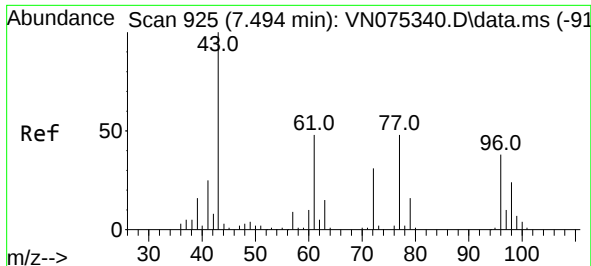
Tgt Ion: 77 Resp: 141445

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.6



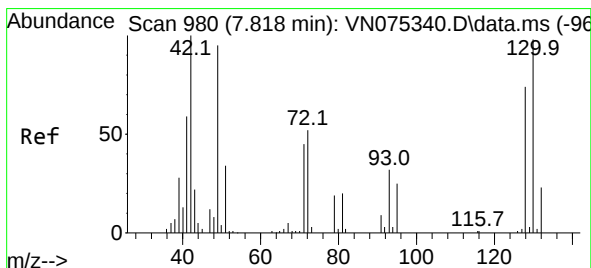
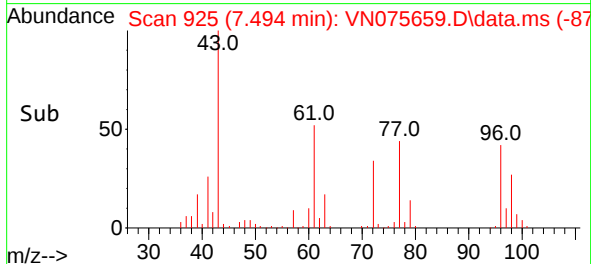
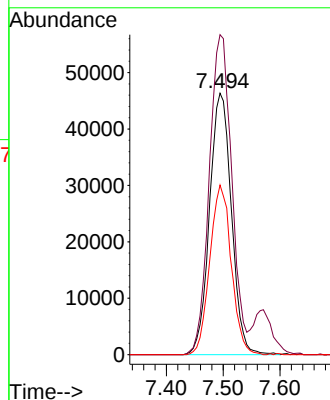
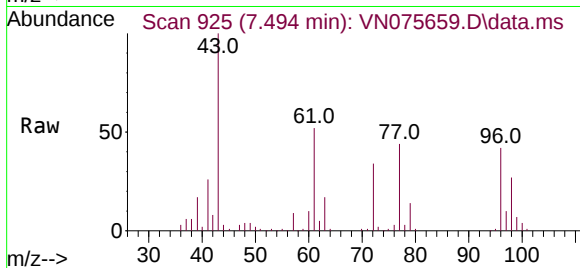


#27  
 cis-1,2-Dichloroethene  
 Concen: 60.105 ug/l  
 RT: 7.494 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 96 Resp: 124075  

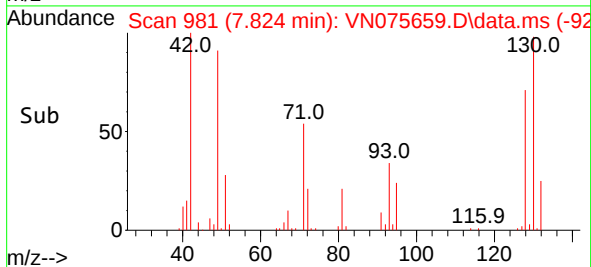
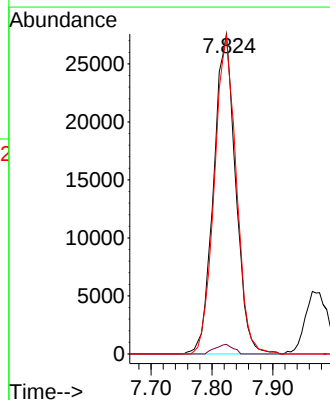
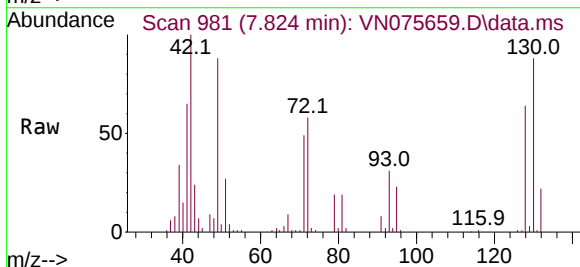
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 125.1 | 0.0   | 278.8 |
| 98  | 63.5  | 0.0   | 128.4 |

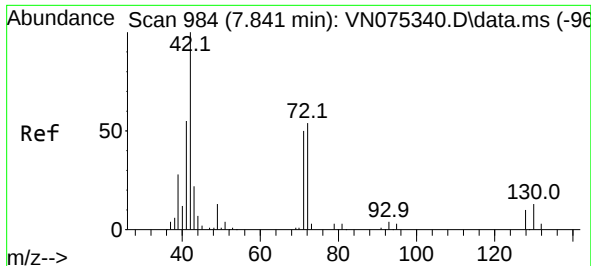


#28  
 Bromochloromethane  
 Concen: 56.290 ug/l  
 RT: 7.824 min Scan# 981  
 Delta R.T. 0.006 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

Tgt Ion: 49 Resp: 69349  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.5   | 0.0   | 4.6   |
| 130 | 98.9  | 66.2  | 99.4  |





#29

Tetrahydrofuran

Concen: 258.055 ug/l

RT: 7.841 min Scan# 984

Delta R.T. 0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

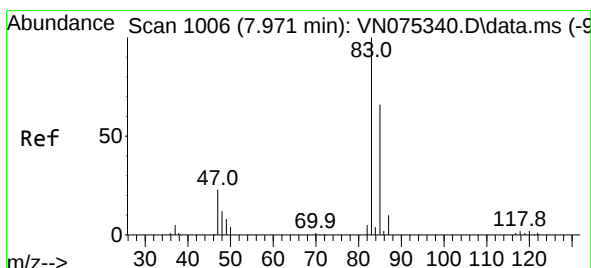
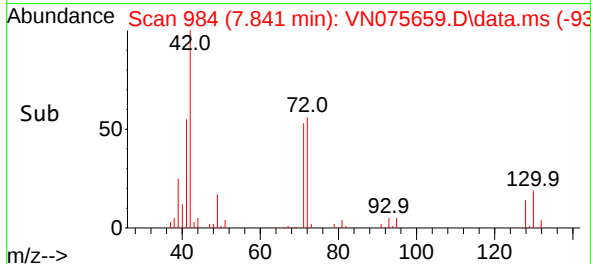
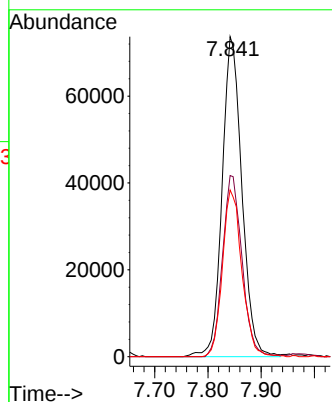
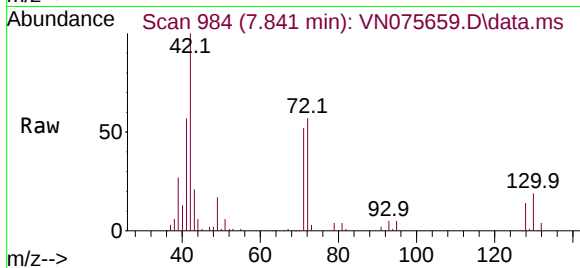
Tgt Ion: 42 Resp: 189803

Ion Ratio Lower Upper

42 100

72 55.8 43.0 64.6

71 51.4 39.9 59.9



#30

Chloroform

Concen: 56.584 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VN075659.D

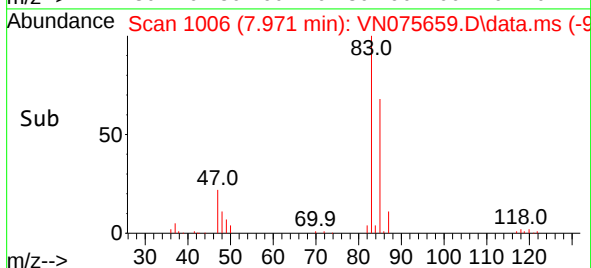
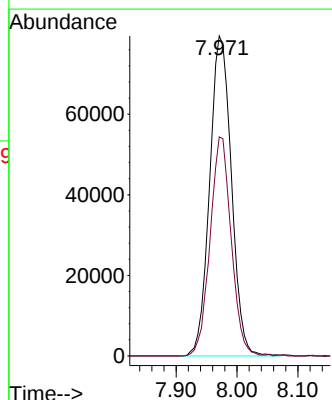
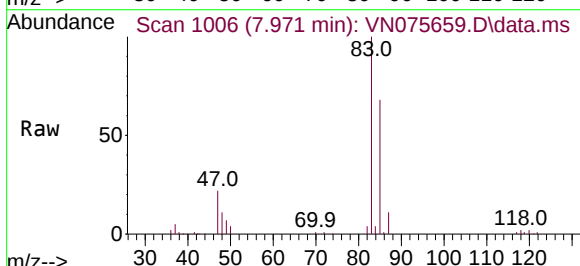
Acq: 08 Dec 2022 20:08

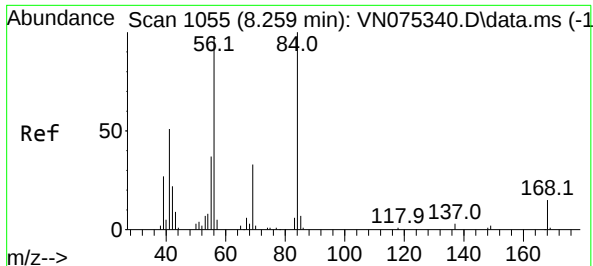
Tgt Ion: 83 Resp: 197219

Ion Ratio Lower Upper

83 100

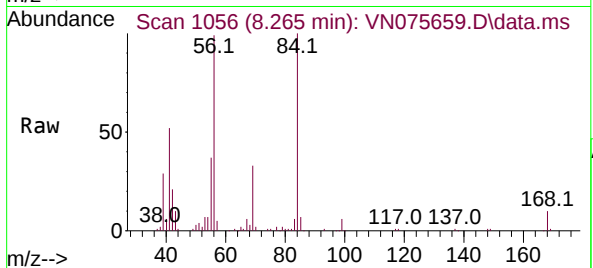
85 68.4 51.4 77.0



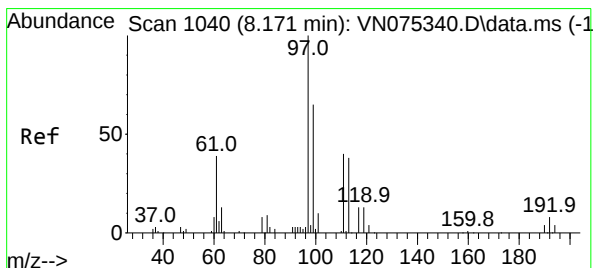
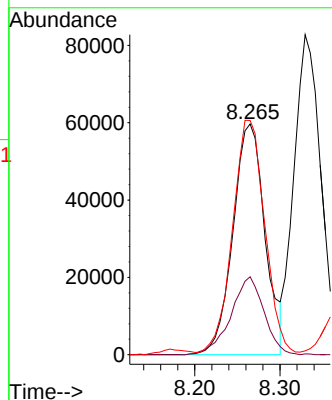
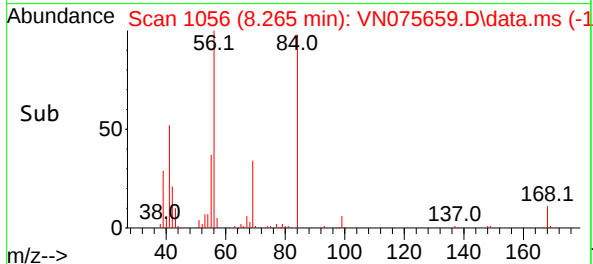


#31  
Cyclohexane  
Concen: 52.793 ug/l  
RT: 8.265 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

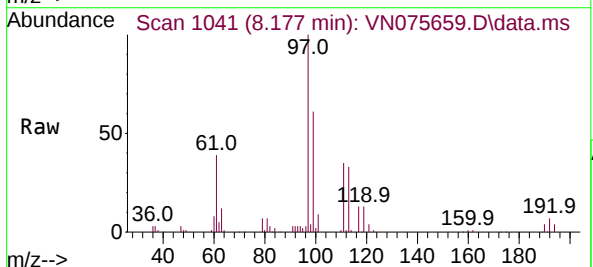
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC



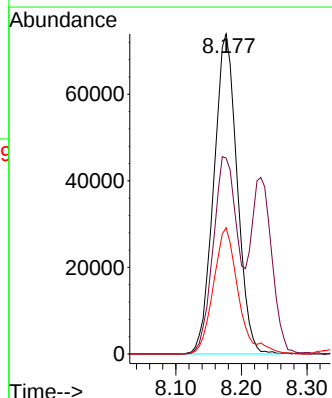
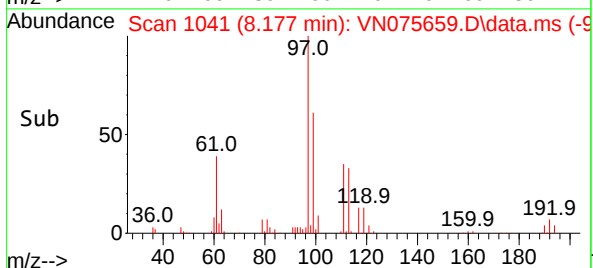
Tgt Ion: 56 Resp: 155746  
Ion Ratio Lower Upper  
56 100  
69 33.7 25.2 37.8  
84 99.6 77.8 116.8

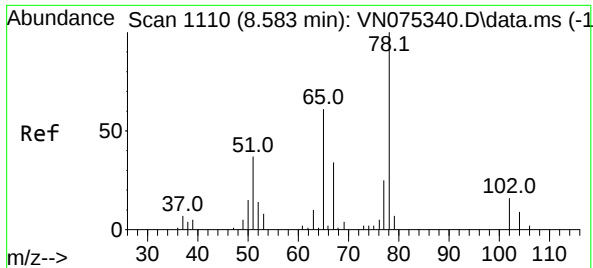


#32  
1,1,1-Trichloroethane  
Concen: 57.765 ug/l  
RT: 8.177 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08



Tgt Ion: 97 Resp: 182810  
Ion Ratio Lower Upper  
97 100  
99 66.1 50.2 75.2  
61 42.0 37.0 55.6





#33

1,2-Dichloroethane-d4

Concen: 51.302 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.005 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

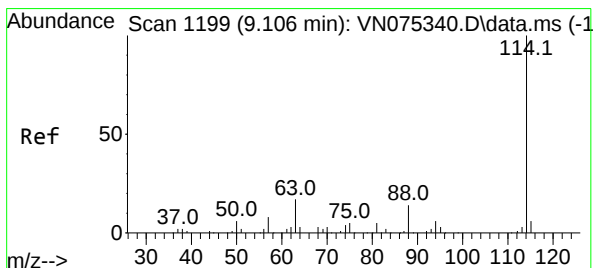
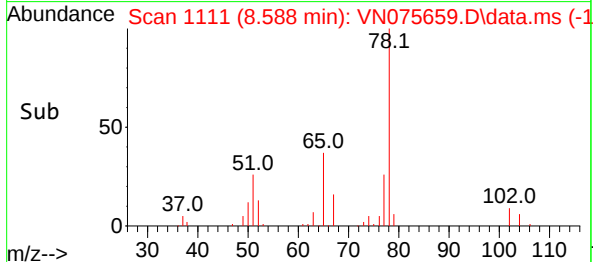
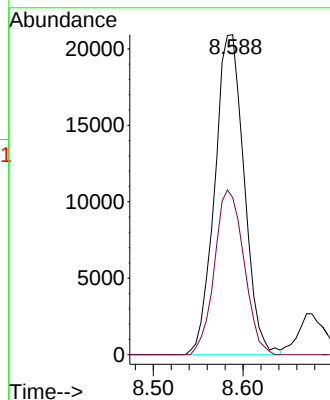
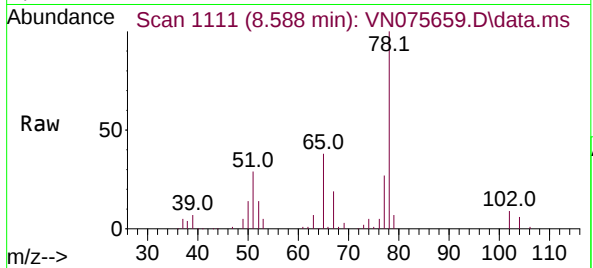
VSTDCCC050EC

Tgt Ion: 65 Resp: 47636

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

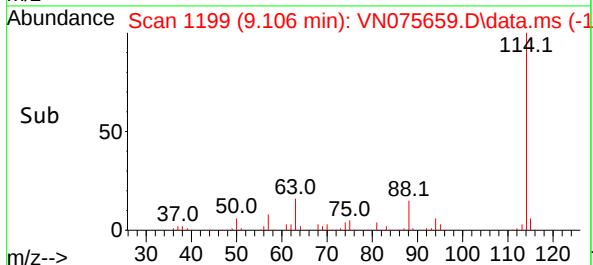
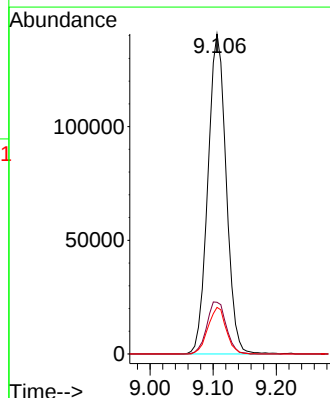
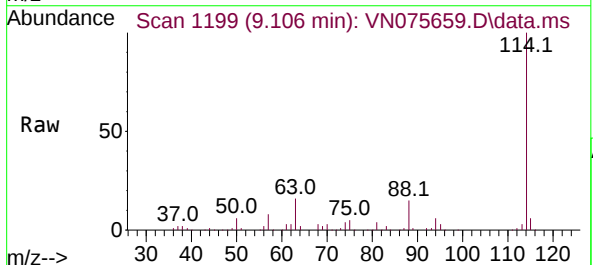
Tgt Ion: 114 Resp: 283181

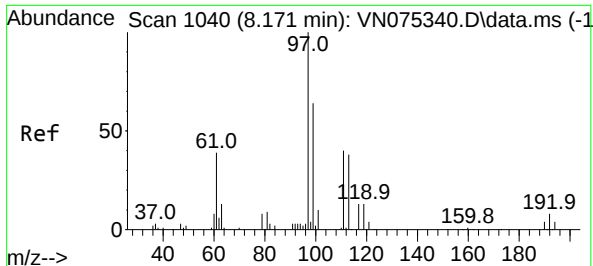
Ion Ratio Lower Upper

114 100

63 16.1 0.0 39.6

88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 55.909 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

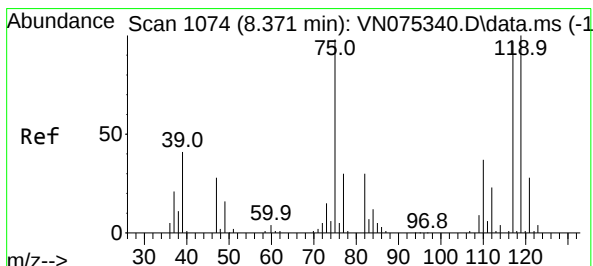
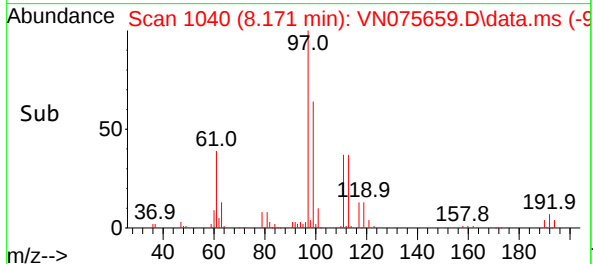
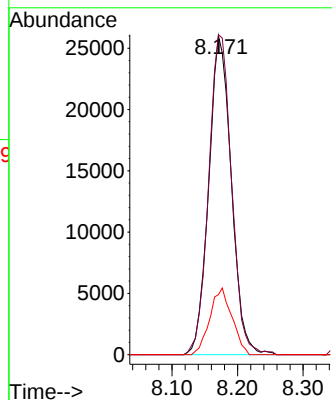
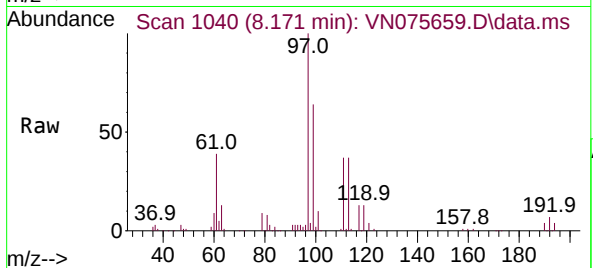
Tgt Ion:113 Resp: 62195

Ion Ratio Lower Upper

113 100

111 101.8 80.5 120.7

192 20.5 13.2 19.8#



#36

1,1-Dichloropropene

Concen: 57.906 ug/l

RT: 8.377 min Scan# 1075

Delta R.T. 0.006 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

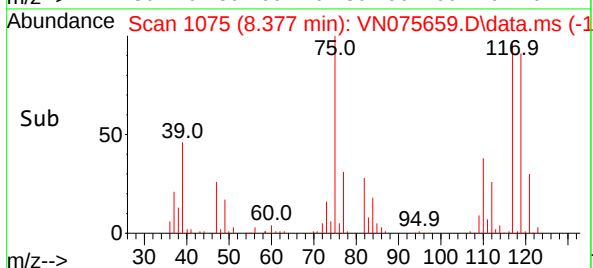
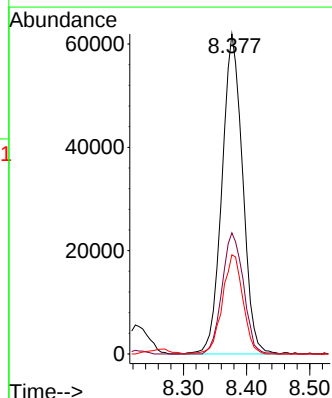
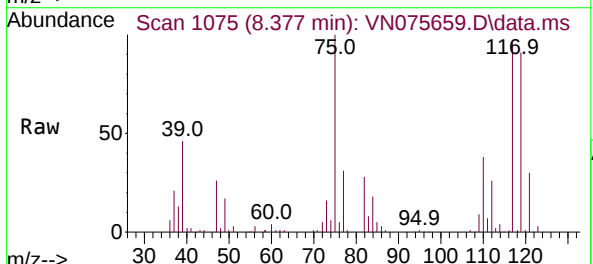
Tgt Ion: 75 Resp: 140476

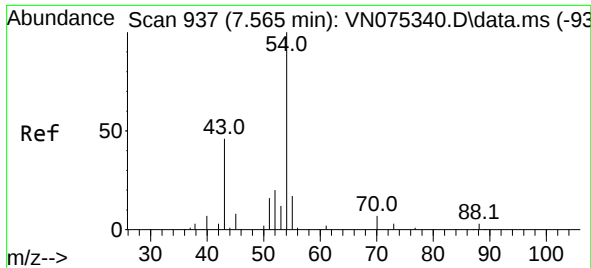
Ion Ratio Lower Upper

75 100

110 39.2 17.8 53.3

77 30.9 24.6 37.0

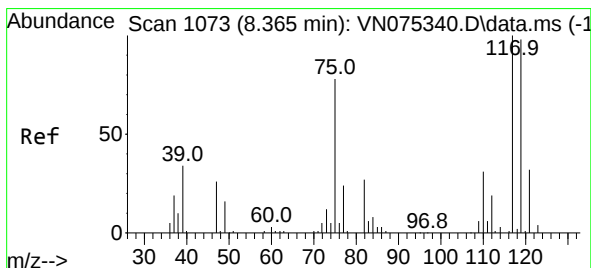
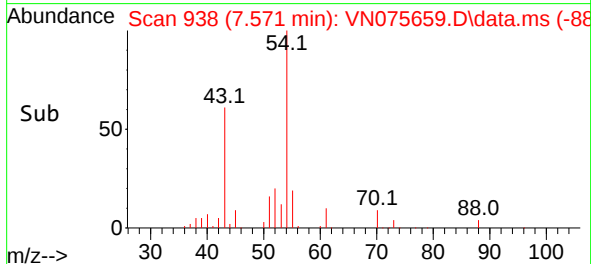
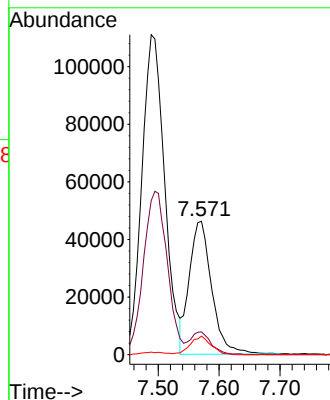
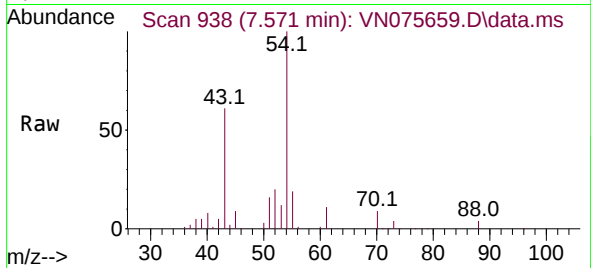




#37  
Ethyl Acetate  
Concen: 54.014 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

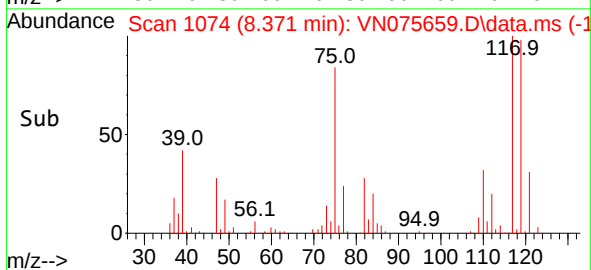
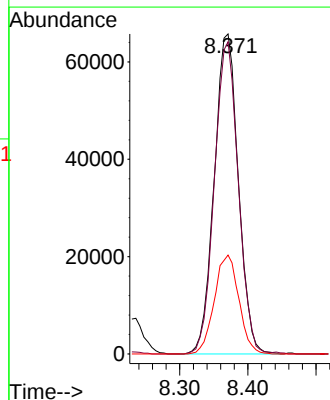
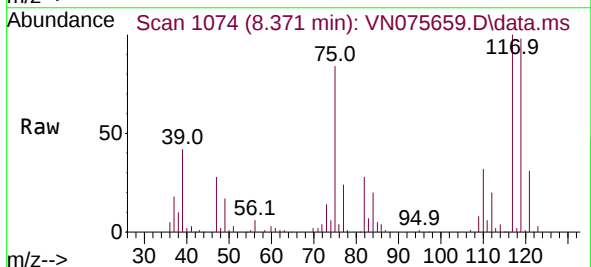
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

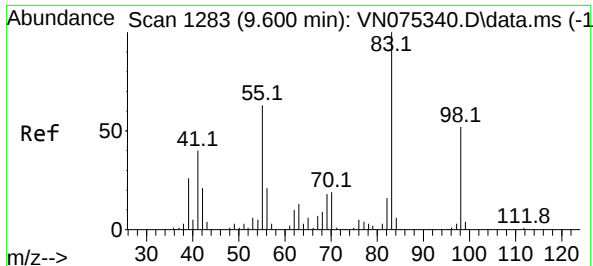
Tgt Ion: 43 Resp: 117988  
Ion Ratio Lower Upper  
43 100  
61 15.0 12.2 18.4  
70 12.8 9.4 14.2



#38  
Carbon Tetrachloride  
Concen: 60.781 ug/l  
RT: 8.371 min Scan# 1074  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 117 Resp: 161979  
Ion Ratio Lower Upper  
117 100  
119 97.6 76.7 115.1  
121 30.9 23.9 35.9





#39

Methylcyclohexane

Concen: 59.831 ug/l

RT: 9.606 min Scan# 1115

Delta R.T. 0.006 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

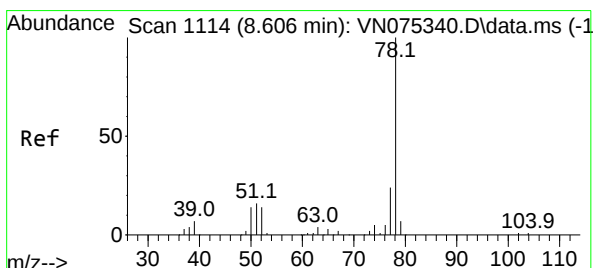
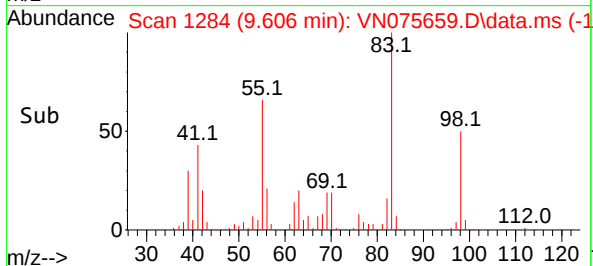
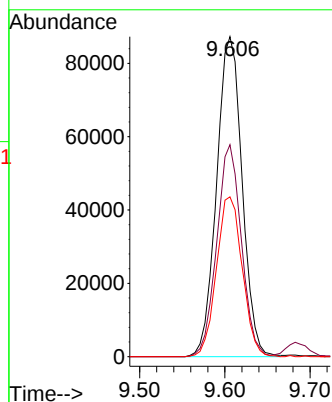
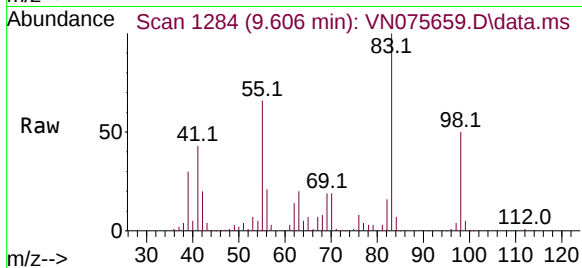
Tgt Ion: 83 Resp: 181659

Ion Ratio Lower Upper

83 100

55 66.2 53.6 80.4

98 49.9 41.1 61.7



#40

Benzene

Concen: 58.360 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.006 min

Lab File: VN075659.D

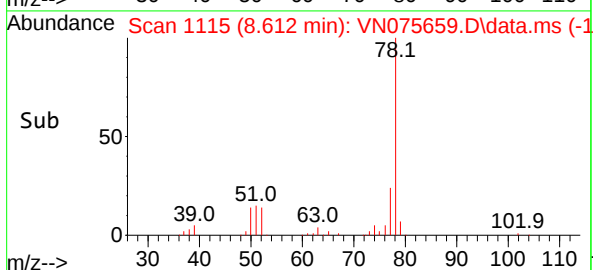
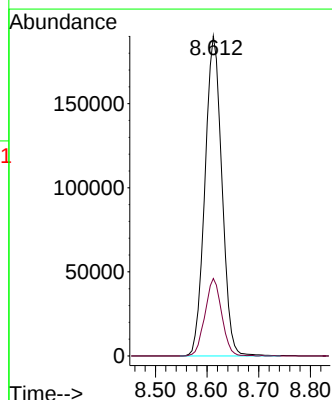
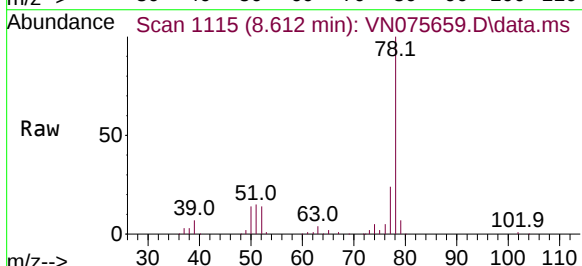
Acq: 08 Dec 2022 20:08

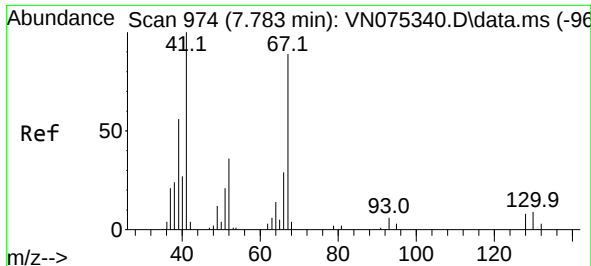
Tgt Ion: 78 Resp: 433474

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.0

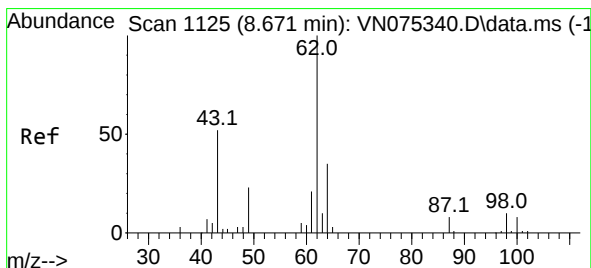
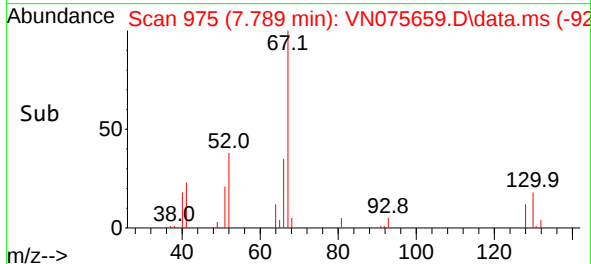
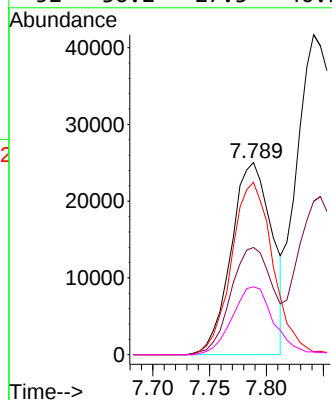
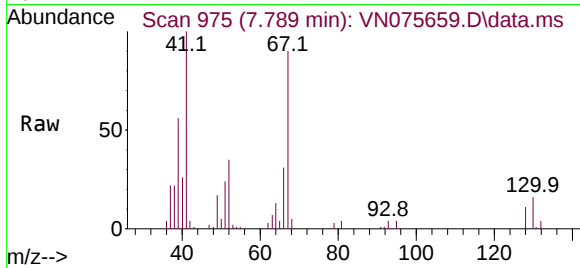




#41  
Methacrylonitrile  
Concen: 55.978 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.005 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

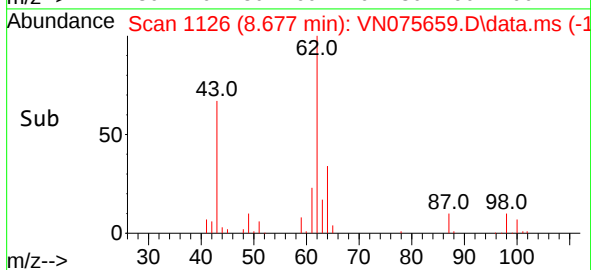
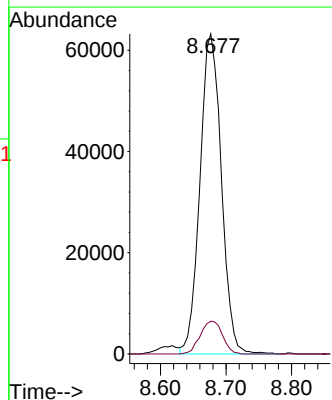
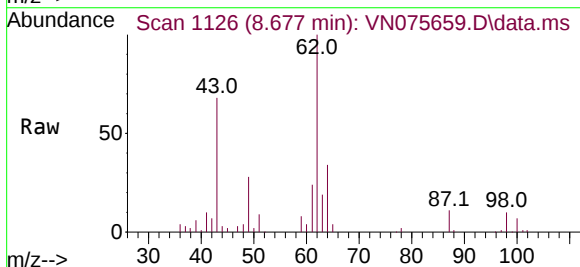
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

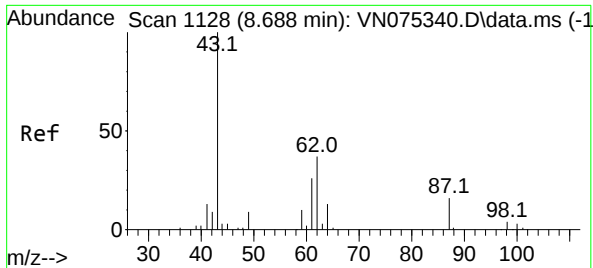
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 62515 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.7  | 44.4  | 66.6  |
| 67       | 91.5  | 69.8  | 104.6 |
| 52       | 36.2  | 27.3  | 40.9  |



#42  
1,2-Dichloroethane  
Concen: 57.801 ug/l  
RT: 8.677 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 143785 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.6  | 0.0   | 18.2   |

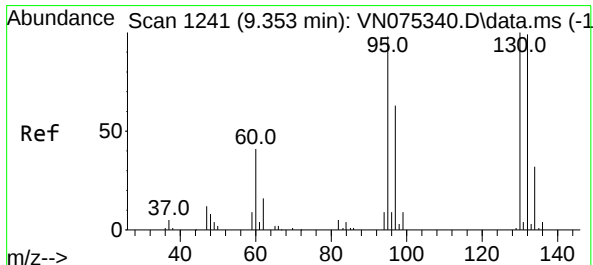
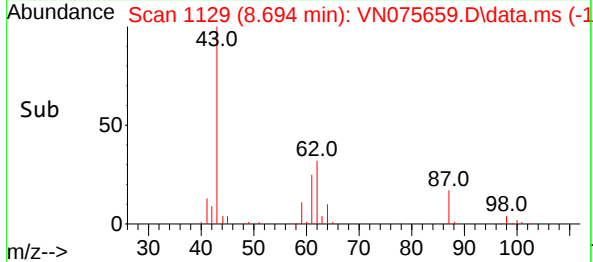
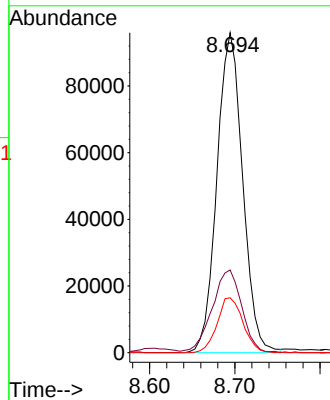
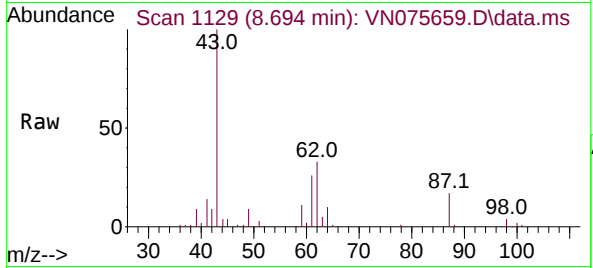




#43  
Isopropyl Acetate  
Concen: 57.386 ug/l  
RT: 8.694 min Scan# 1129  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

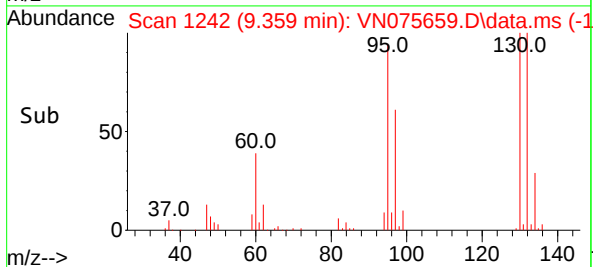
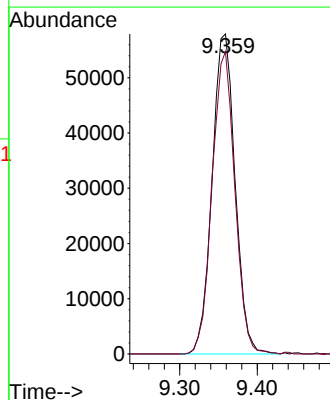
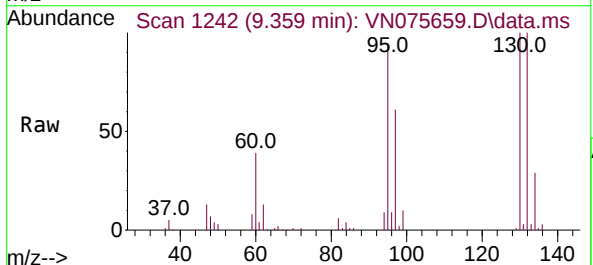
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

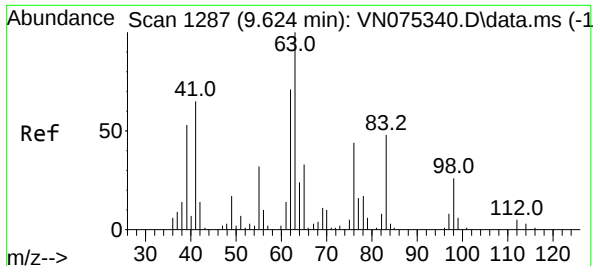
Tgt Ion: 43 Resp: 201210  
Ion Ratio Lower Upper  
43 100  
61 29.9 22.4 33.6  
87 17.2 12.5 18.7



#44  
Trichloroethene  
Concen: 58.686 ug/l  
RT: 9.359 min Scan# 1242  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion:130 Resp: 119271  
Ion Ratio Lower Upper  
130 100  
95 94.5 0.0 198.4





#45

1,2-Dichloropropane

Concen: 58.331 ug/l

RT: 9.624 min Scan# 1287

Delta R.T. -0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

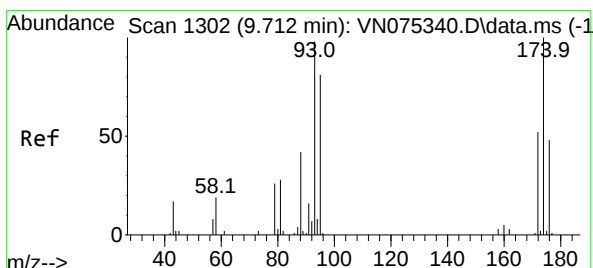
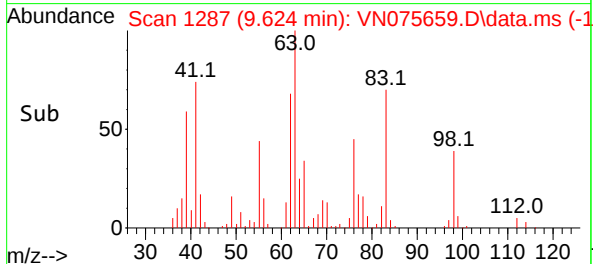
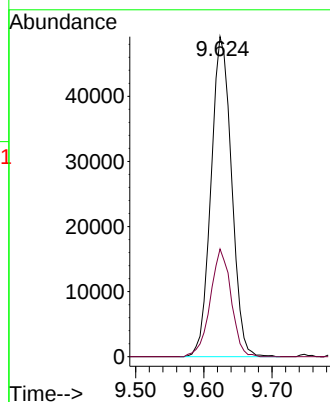
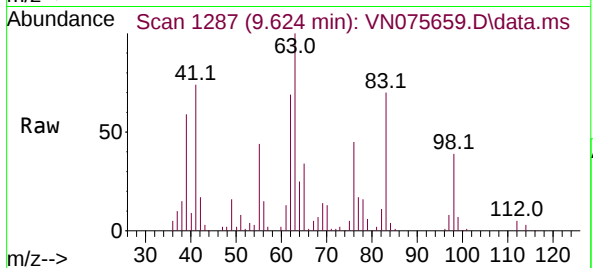
VSTDCCC050EC

Tgt Ion: 63 Resp: 103248

Ion Ratio Lower Upper

63 100

65 33.6 26.1 39.1



#46

Dibromomethane

Concen: 59.592 ug/l

RT: 9.712 min Scan# 1302

Delta R.T. -0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

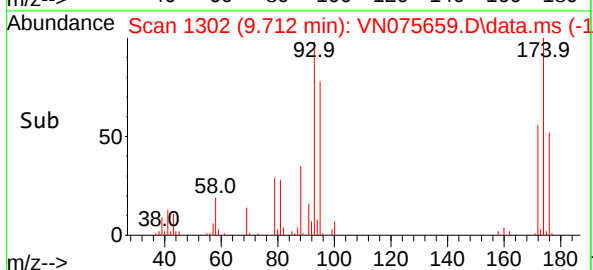
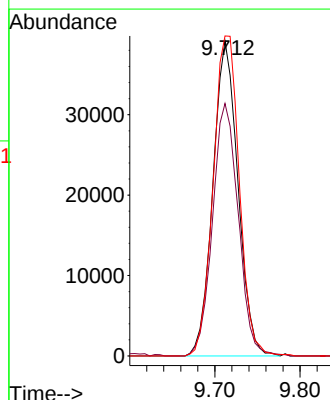
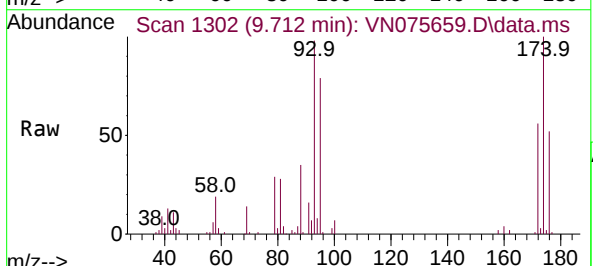
Tgt Ion: 93 Resp: 79782

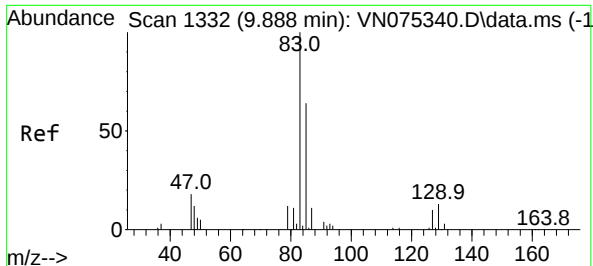
Ion Ratio Lower Upper

93 100

95 82.5 66.6 99.8

174 106.0 70.3 105.5#





#47

Bromodichloromethane

Concen: 60.784 ug/l

RT: 9.894 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

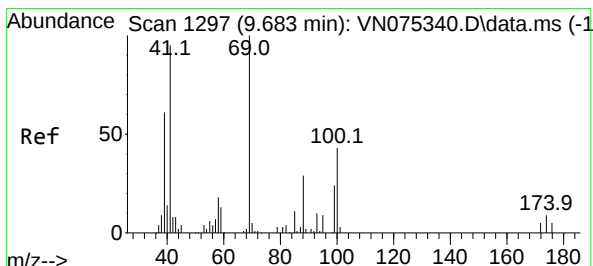
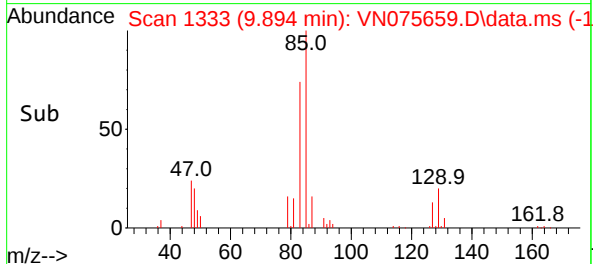
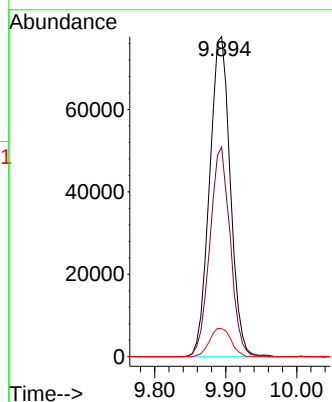
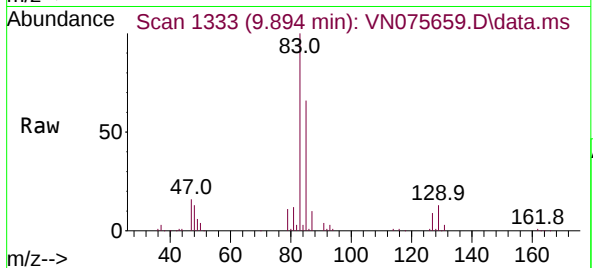
Tgt Ion: 83 Resp: 157592

Ion Ratio Lower Upper

83 100

85 65.5 52.1 78.1

127 8.8 6.6 10.0



#48

Methyl methacrylate

Concen: 56.385 ug/l

RT: 9.682 min Scan# 1297

Delta R.T. -0.001 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

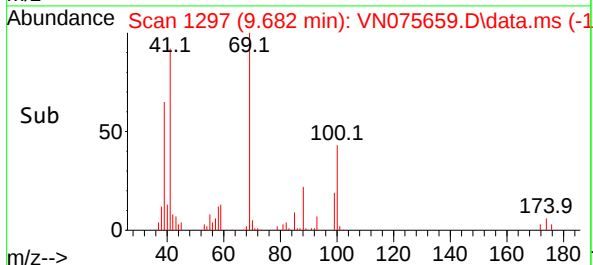
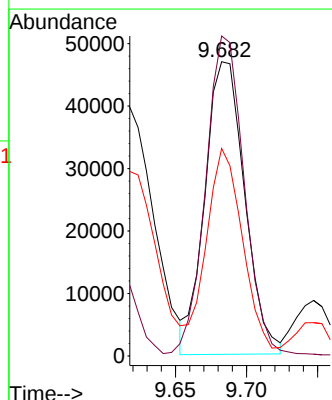
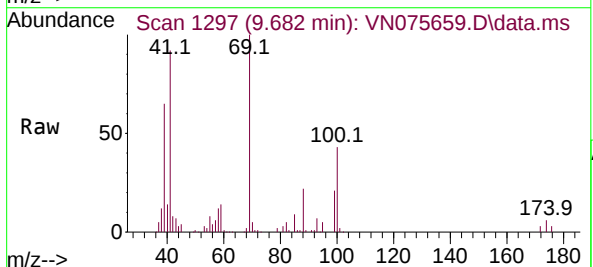
Tgt Ion: 41 Resp: 91414

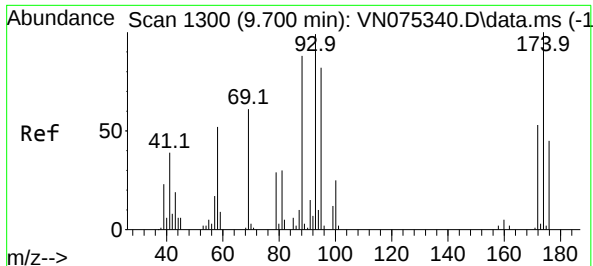
Ion Ratio Lower Upper

41 100

69 106.6 80.2 120.2

39 66.5 56.2 84.2





#49

1,4-Dioxane

Concen: 974.835 ug/l

RT: 9.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

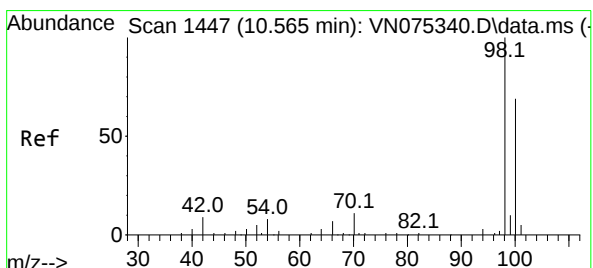
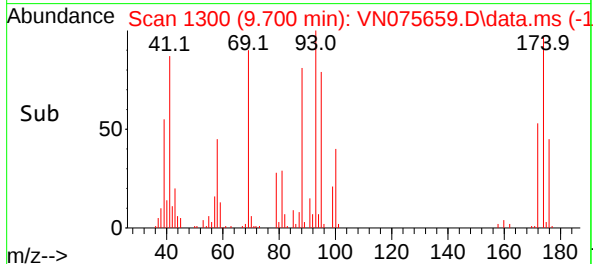
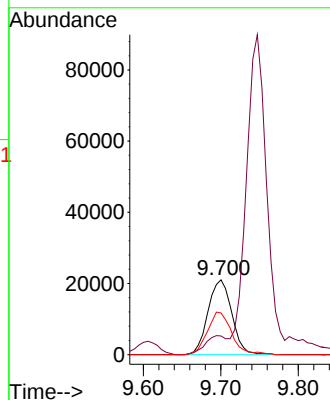
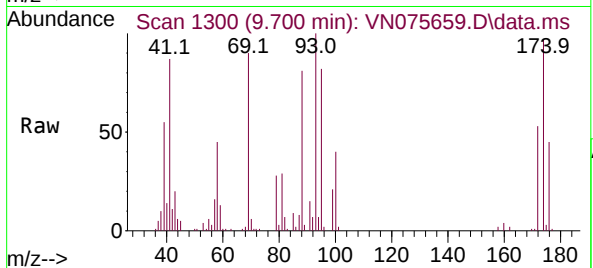
Tgt Ion: 88 Resp: 44878

Ion Ratio Lower Upper

88 100

43 22.0 17.5 26.3

58 58.3 49.8 74.8



#50

Toluene-d8

Concen: 52.308 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075659.D

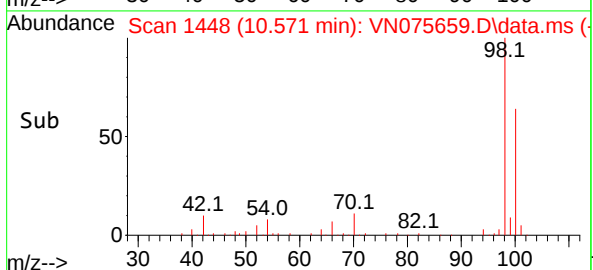
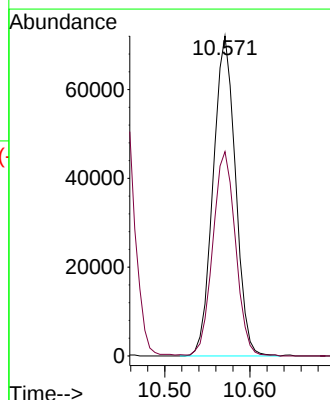
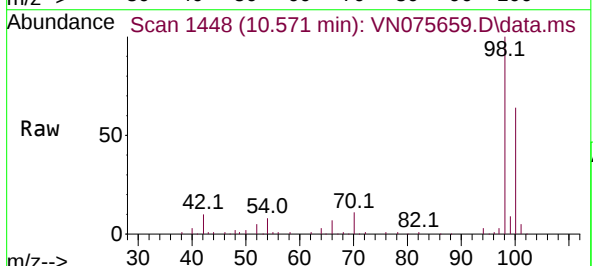
Acq: 08 Dec 2022 20:08

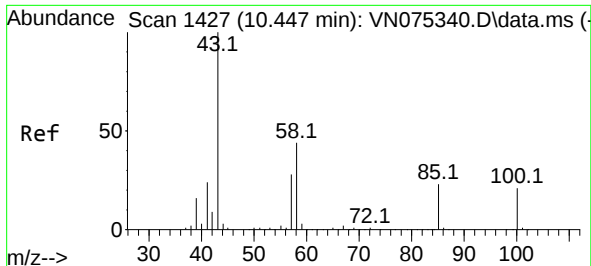
Tgt Ion: 98 Resp: 131058

Ion Ratio Lower Upper

98 100

100 65.1 53.0 79.6

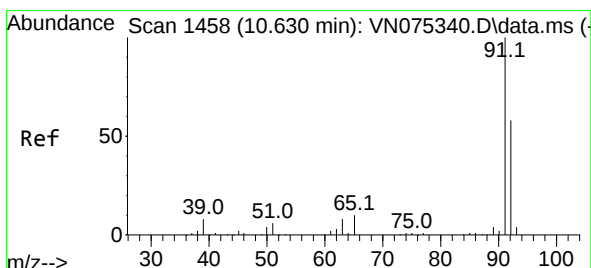
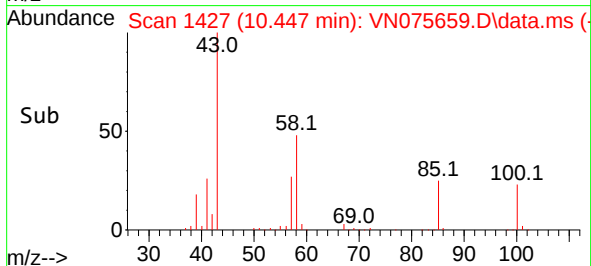
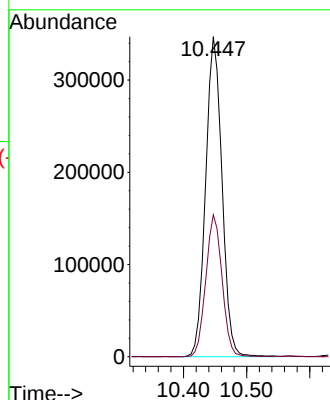
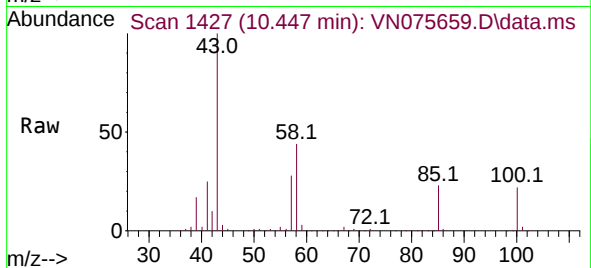




#51  
4-Methyl-2-Pentanone  
Concen: 279.373 ug/l  
RT: 10.447 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

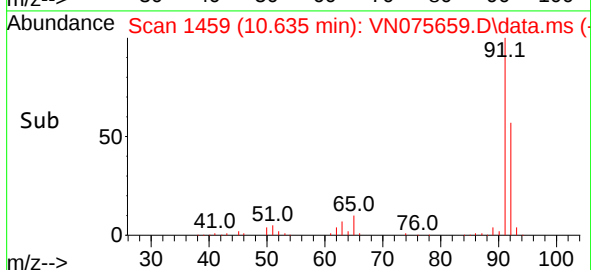
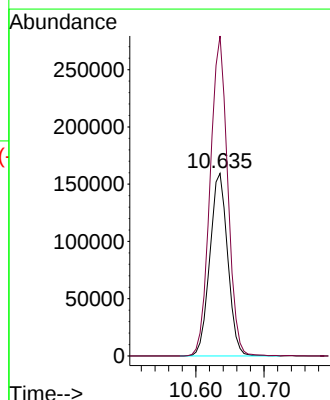
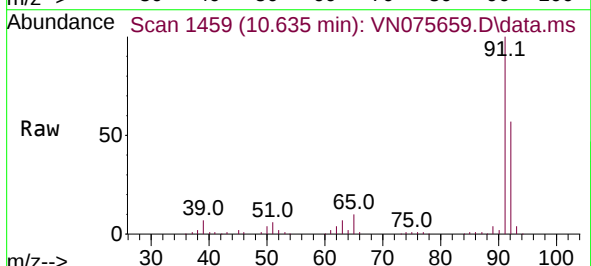
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

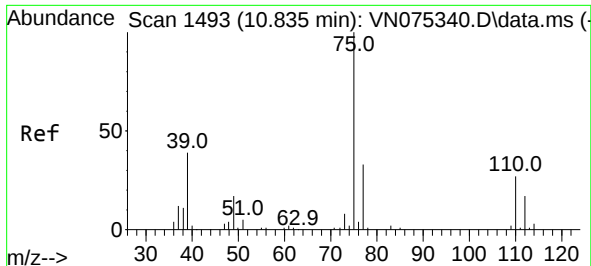
Tgt Ion: 43 Resp: 623891  
Ion Ratio Lower Upper  
43 100  
58 44.0 33.6 50.4



#52  
Toluene  
Concen: 60.660 ug/l  
RT: 10.635 min Scan# 1459  
Delta R.T. 0.005 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 92 Resp: 290340  
Ion Ratio Lower Upper  
92 100  
91 172.6 135.4 203.2

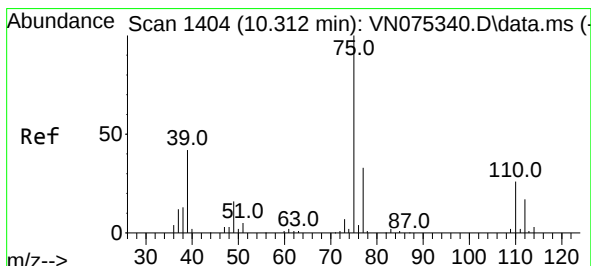
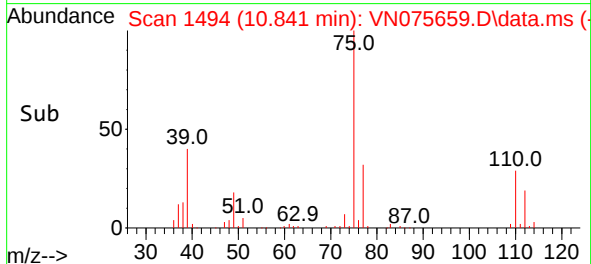
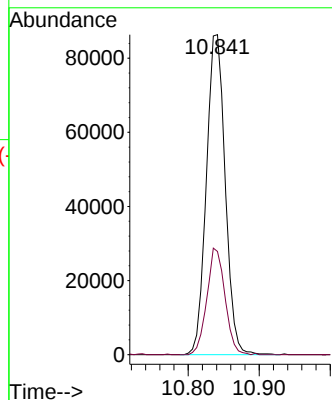
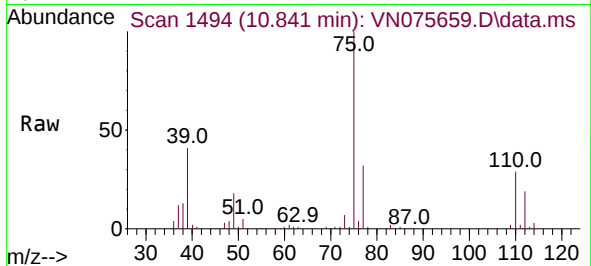




#53  
 t-1,3-Dichloropropene  
 Concen: 61.203 ug/l  
 RT: 10.841 min Scan# 1493  
 Delta R.T. 0.006 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

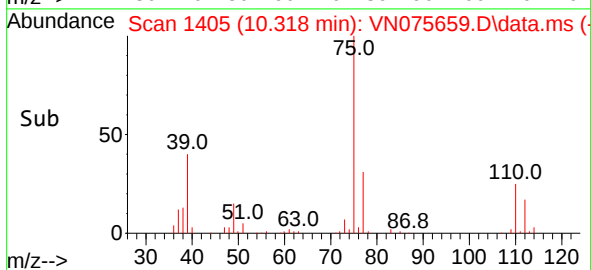
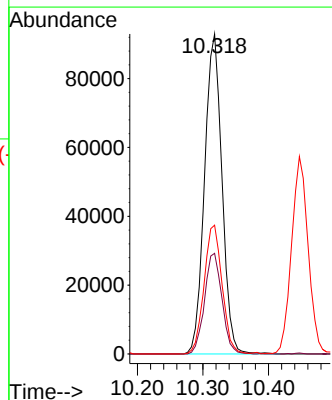
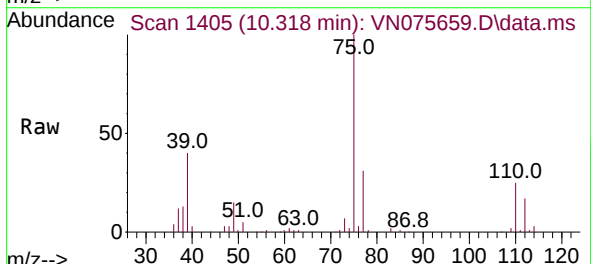
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

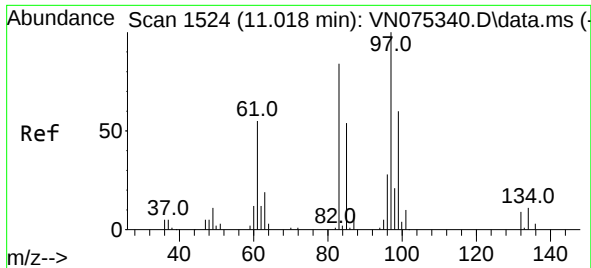
Tgt Ion: 75 Resp: 159301  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 25.4 38.2



#54  
 cis-1,3-Dichloropropene  
 Concen: 60.849 ug/l  
 RT: 10.318 min Scan# 1405  
 Delta R.T. 0.006 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

Tgt Ion: 75 Resp: 172015  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 23.7 35.5  
 39 40.2 35.8 53.6

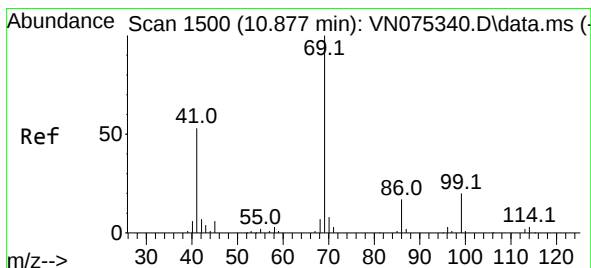
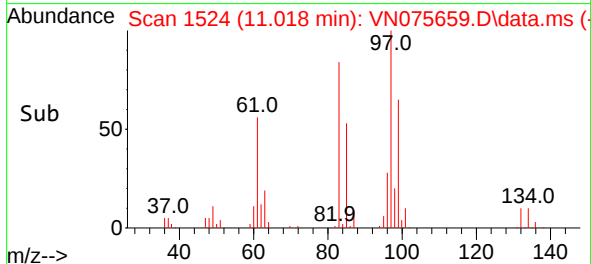
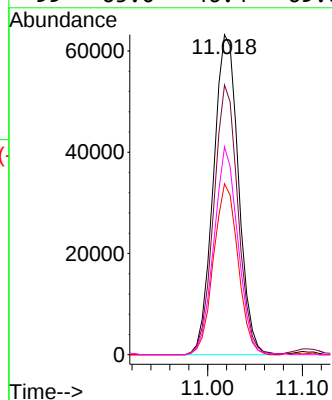
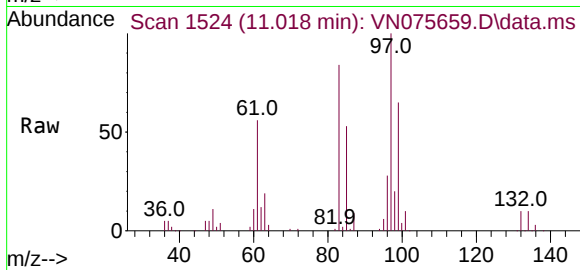




#55  
1,1,2-Trichloroethane  
Concen: 59.780 ug/l  
RT: 11.018 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

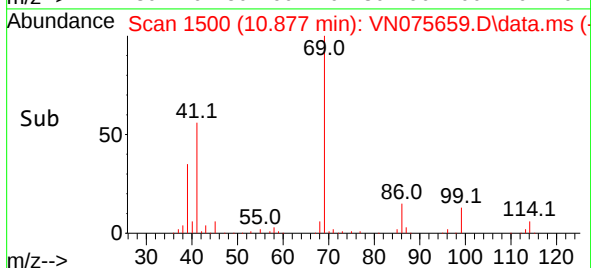
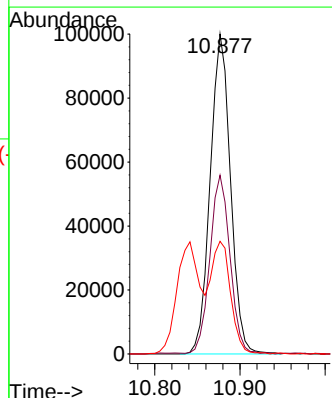
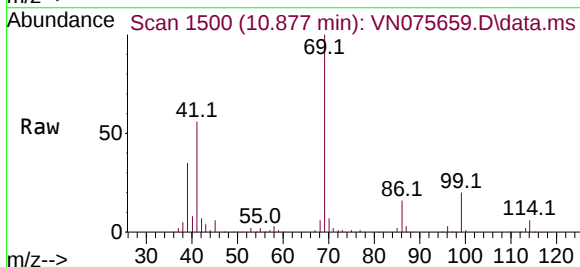
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

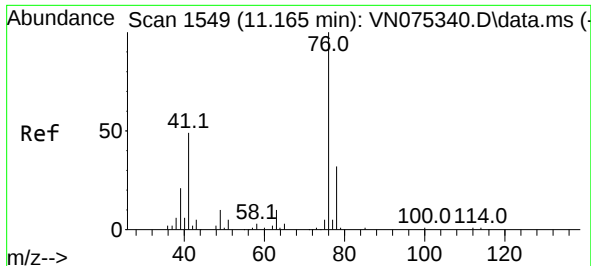
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 116538 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.3  | 65.9  | 98.9   |
| 85       | 53.4  | 40.4  | 60.6   |
| 99       | 65.0  | 46.4  | 69.6   |



#56  
Ethyl methacrylate  
Concen: 62.885 ug/l  
RT: 10.877 min Scan# 1500  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 165558 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 55.5  | 45.6  | 68.4   |
| 39       | 34.0  | 28.5  | 42.7   |





#57

1,3-Dichloropropane

Concen: 58.159 ug/l

RT: 11.165 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

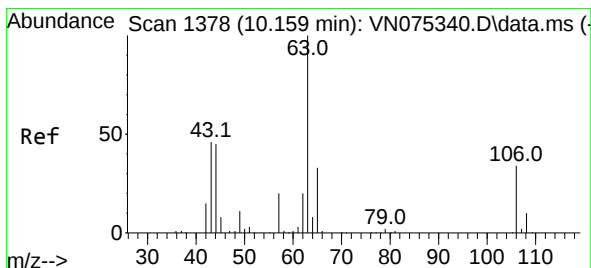
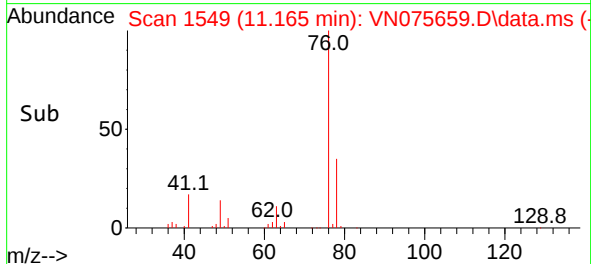
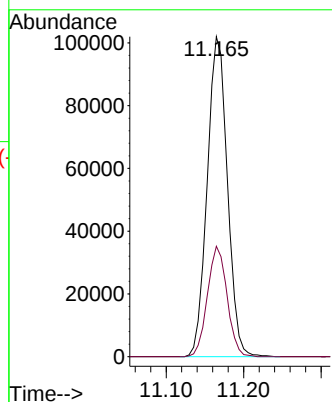
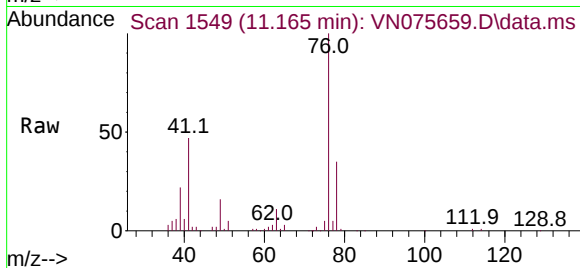
VSTDCCC050EC

Tgt Ion: 76 Resp: 184868

Ion Ratio Lower Upper

76 100

78 33.5 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 252.593 ug/l

RT: 10.165 min Scan# 1379

Delta R.T. 0.006 min

Lab File: VN075659.D

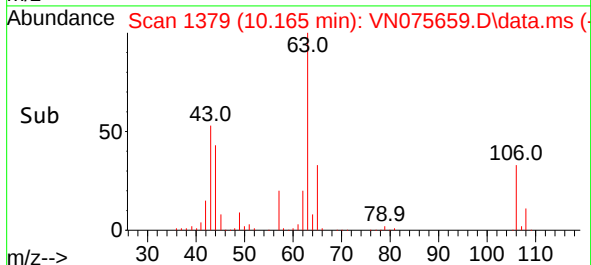
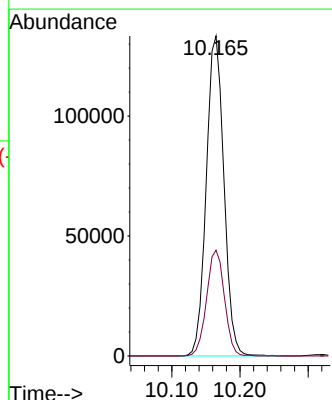
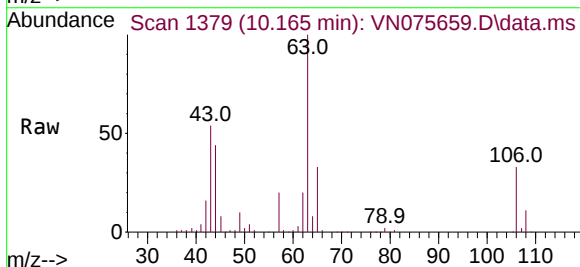
Acq: 08 Dec 2022 20:08

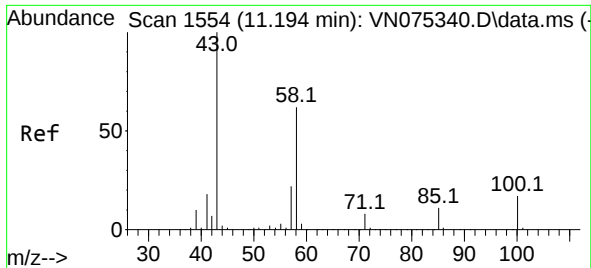
Tgt Ion: 63 Resp: 239836

Ion Ratio Lower Upper

63 100

106 33.5 24.8 37.2

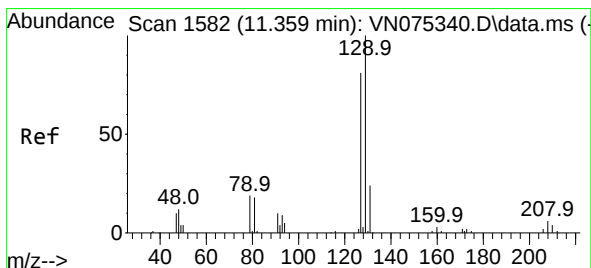
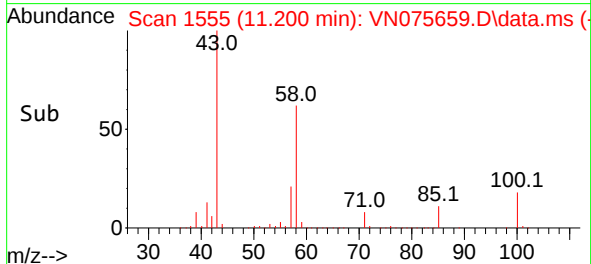
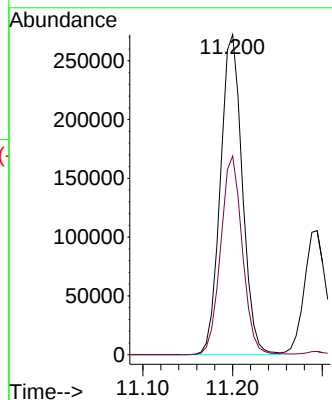
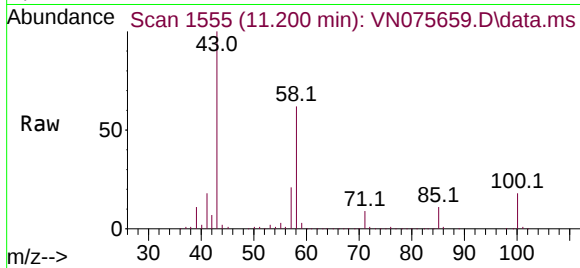




#59  
2-Hexanone  
Concen: 275.290 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

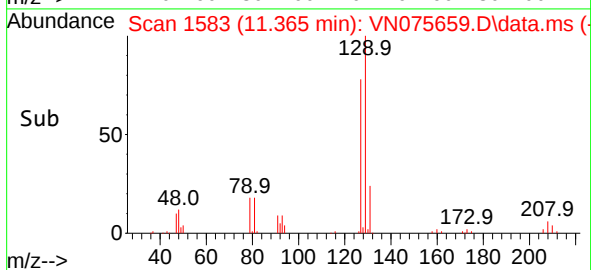
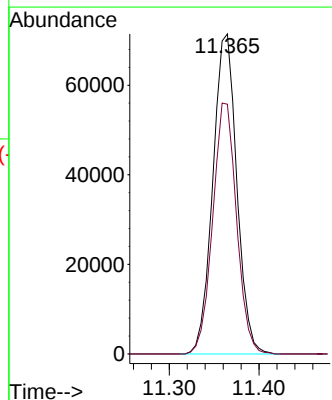
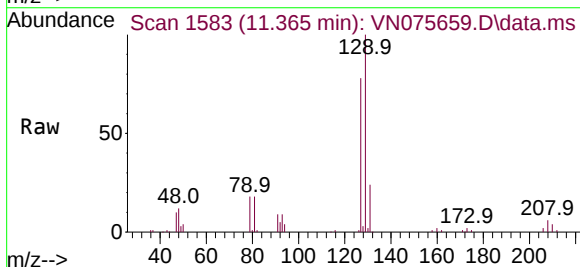
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

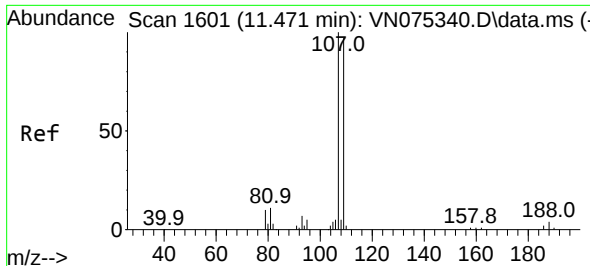
Tgt Ion: 43 Resp: 461636  
Ion Ratio Lower Upper  
43 100  
58 61.4 29.6 88.8



#60  
Dibromochloromethane  
Concen: 66.177 ug/l  
RT: 11.365 min Scan# 1583  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 129 Resp: 132421  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.6 115.8

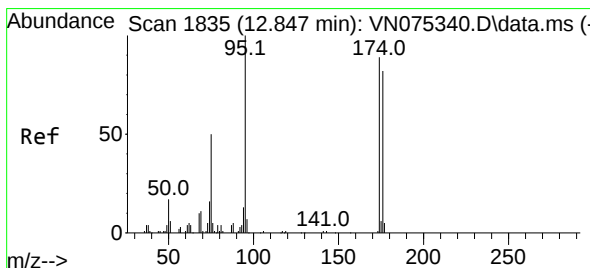
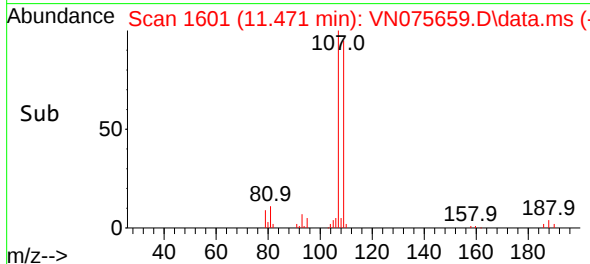
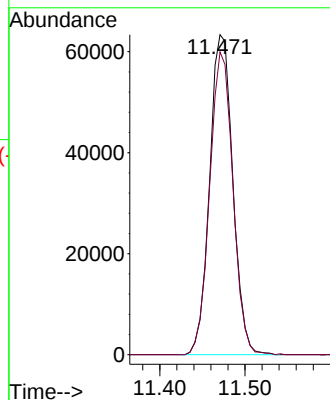
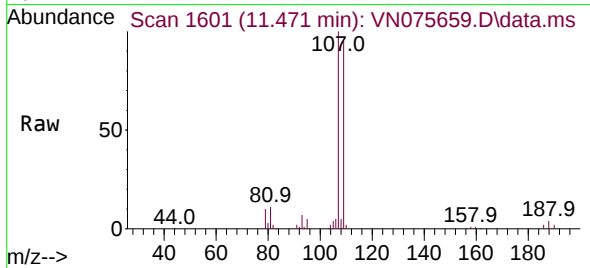




#61  
1,2-Dibromoethane  
Concen: 59.232 ug/l  
RT: 11.471 min Scan# 1601  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

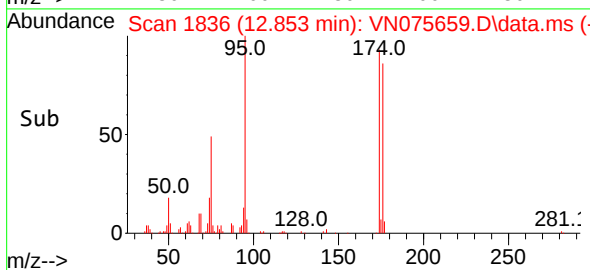
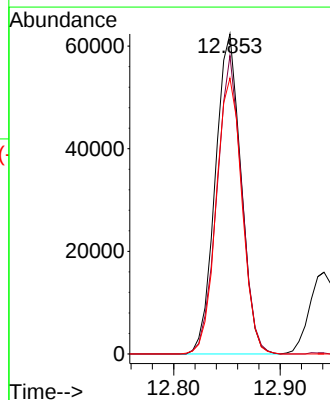
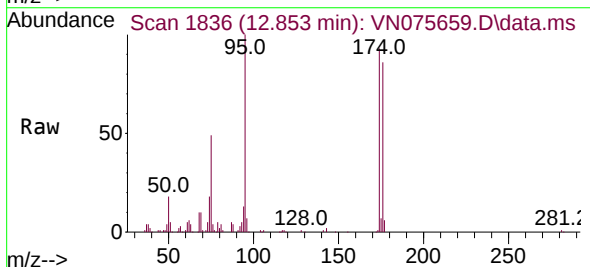
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

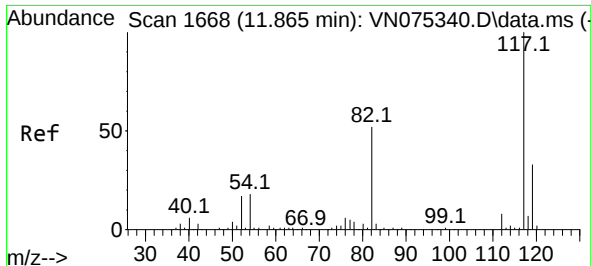
Tgt Ion:107 Resp: 119850  
Ion Ratio Lower Upper  
107 100  
109 94.5 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 56.479 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 95 Resp: 104448  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 147.4  
176 86.7 0.0 142.2

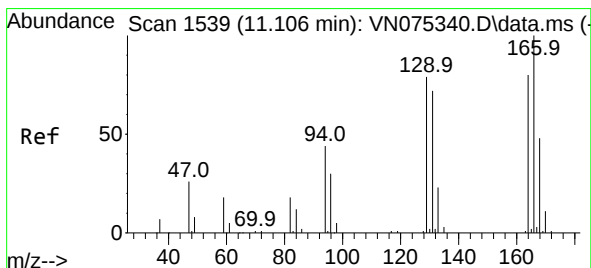
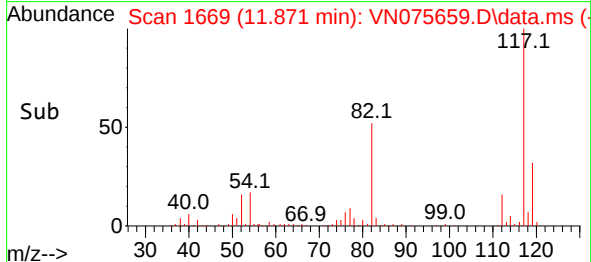
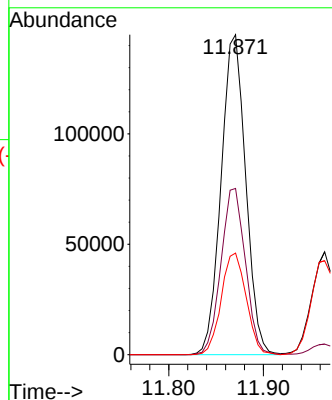
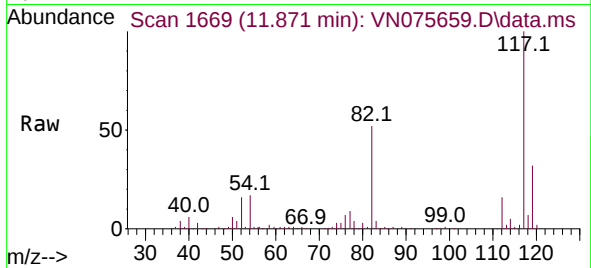




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

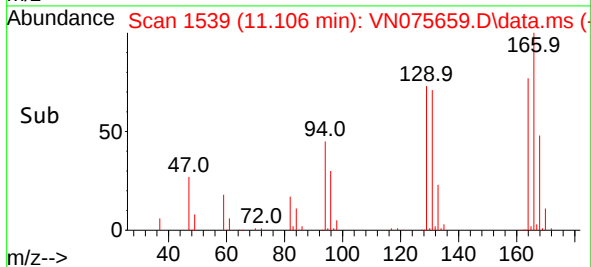
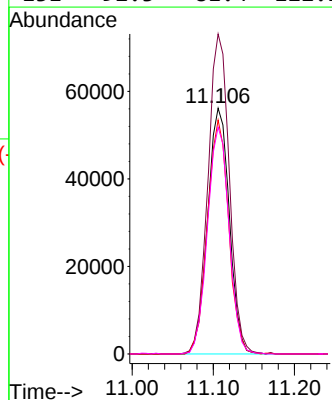
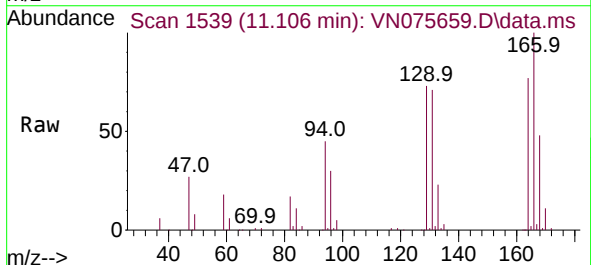
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

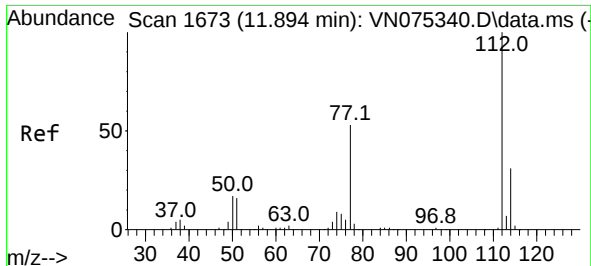
Tgt Ion:117 Resp: 261757  
Ion Ratio Lower Upper  
117 100  
82 51.9 43.1 64.7  
119 31.7 25.5 38.3



#64  
Tetrachloroethene  
Concen: 52.291 ug/l  
RT: 11.106 min Scan# 1539  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion:164 Resp: 104526  
Ion Ratio Lower Upper  
164 100  
166 130.2 106.5 159.7  
129 95.2 81.9 122.9  
131 92.3 81.4 122.2

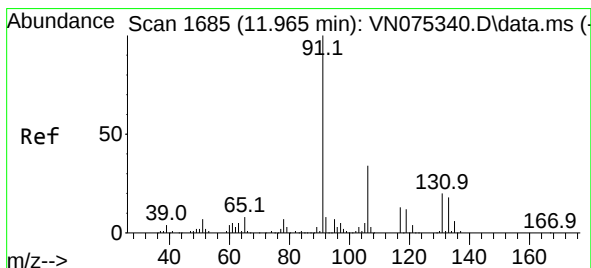
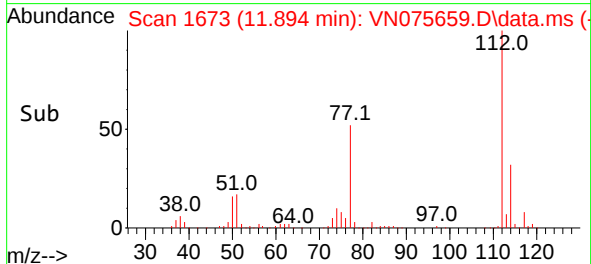
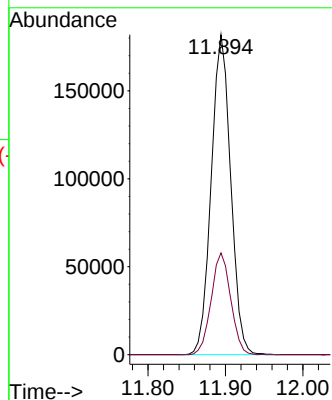
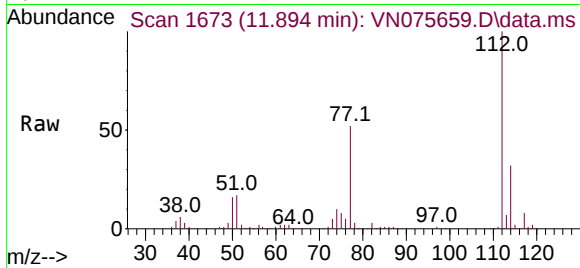




#65  
Chlorobenzene  
Concen: 58.920 ug/l  
RT: 11.894 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

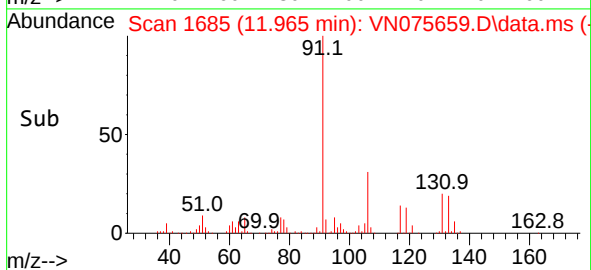
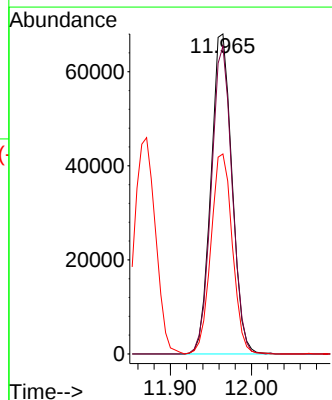
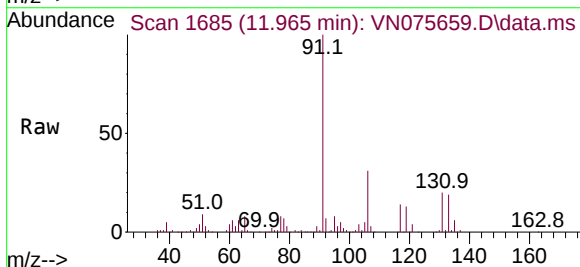
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

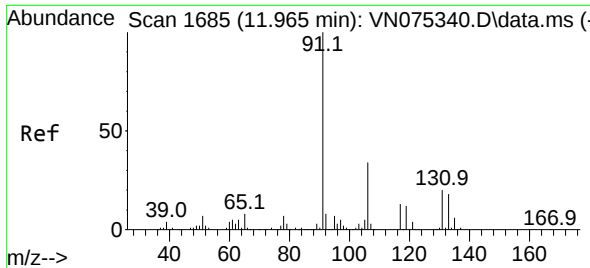
Tgt Ion:112 Resp: 318505  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.4 38.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 60.727 ug/l  
RT: 11.965 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion:131 Resp: 122519  
Ion Ratio Lower Upper  
131 100  
133 95.1 47.8 143.4  
119 63.7 33.0 99.0

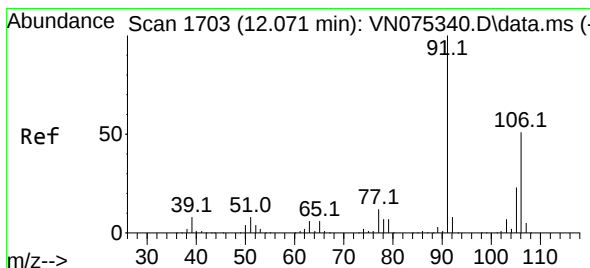
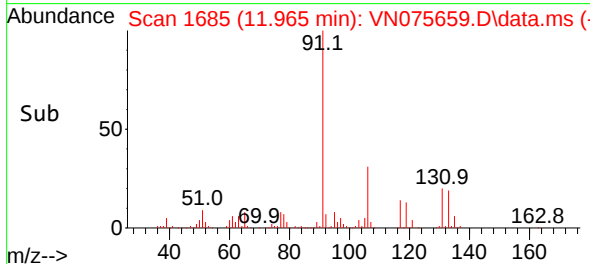
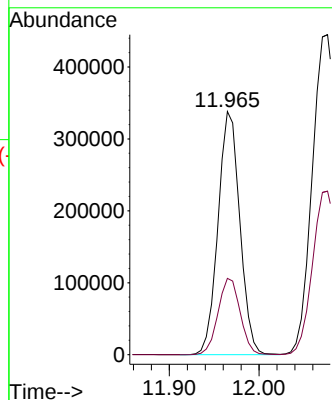
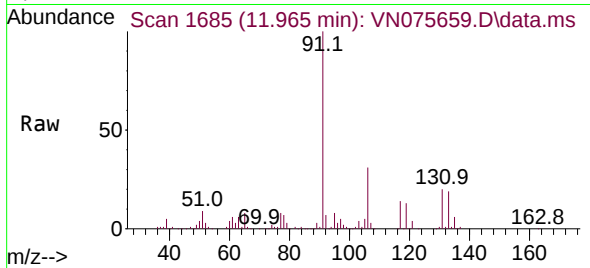




#67  
Ethyl Benzene  
Concen: 61.884 ug/l  
RT: 11.965 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

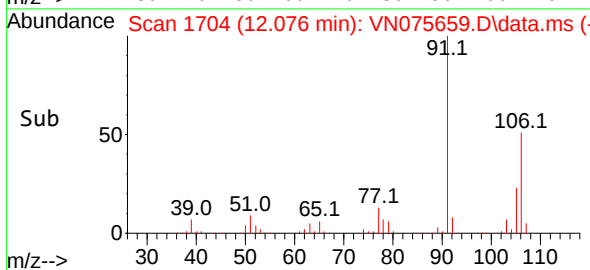
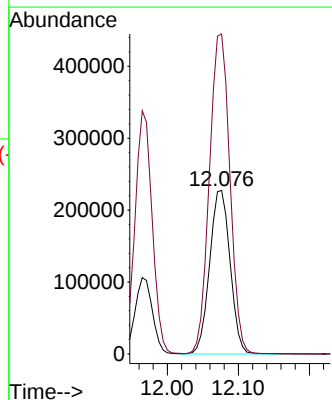
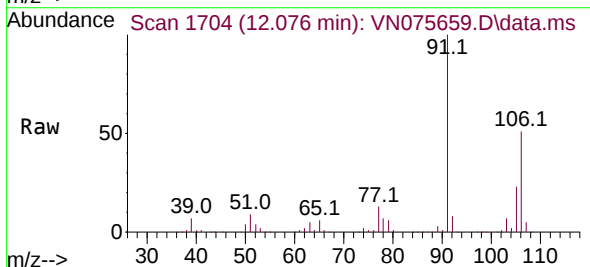
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

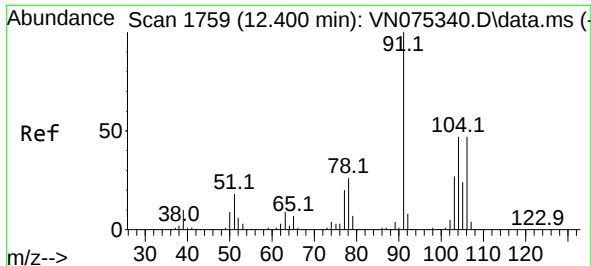
Tgt Ion: 91 Resp: 570728  
Ion Ratio Lower Upper  
91 100  
106 31.4 24.9 37.3



#68  
m/p-Xylenes  
Concen: 121.226 ug/l  
RT: 12.076 min Scan# 1704  
Delta R.T. 0.005 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion:106 Resp: 454009  
Ion Ratio Lower Upper  
106 100  
91 196.7 156.0 234.0

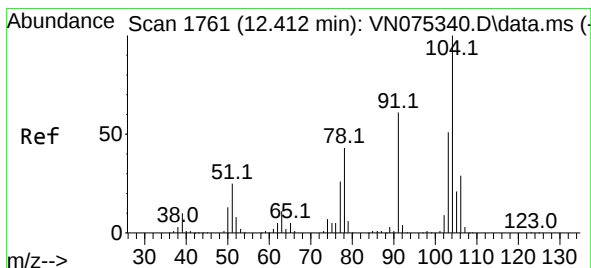
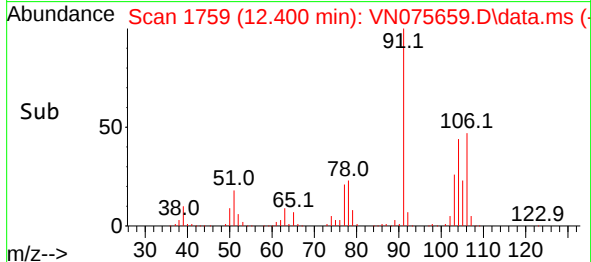
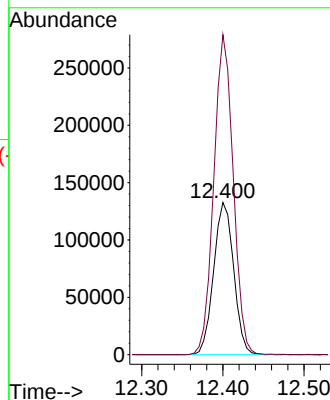
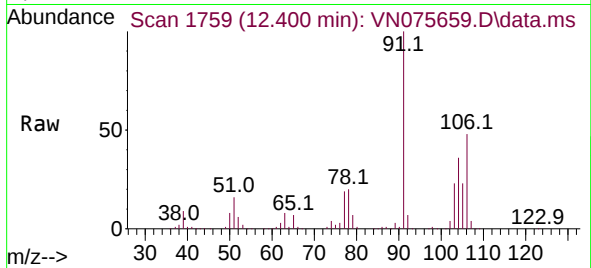




#69  
o-Xylene  
Concen: 61.148 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

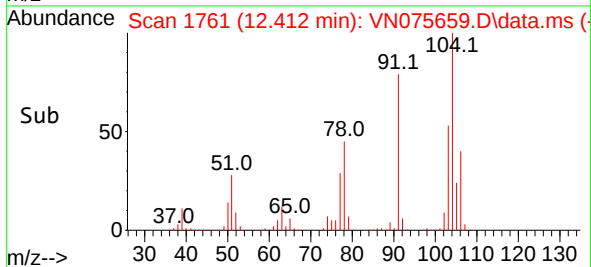
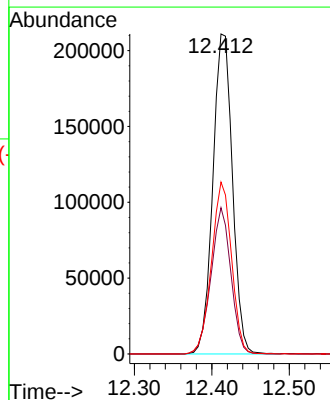
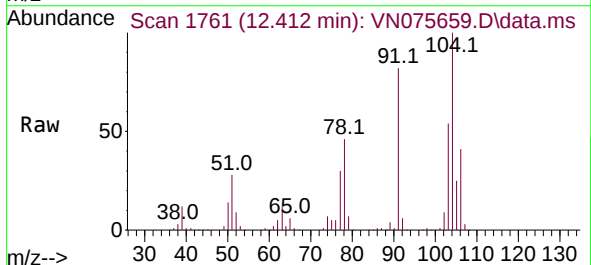
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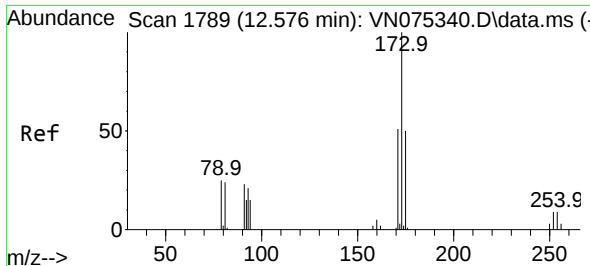
Tgt Ion:106 Resp: 227536  
Ion Ratio Lower Upper  
106 100  
91 204.3 105.2 315.5



#70  
Styrene  
Concen: 63.069 ug/l  
RT: 12.412 min Scan# 1761  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion:104 Resp: 370218  
Ion Ratio Lower Upper  
104 100  
78 46.3 38.1 57.1  
103 55.0 44.6 66.8

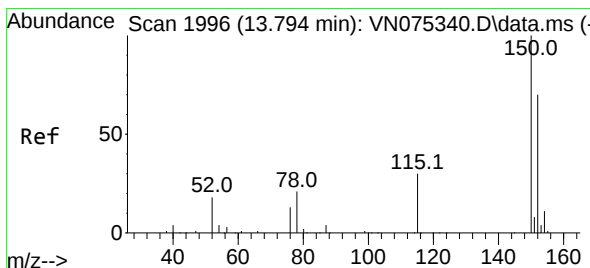
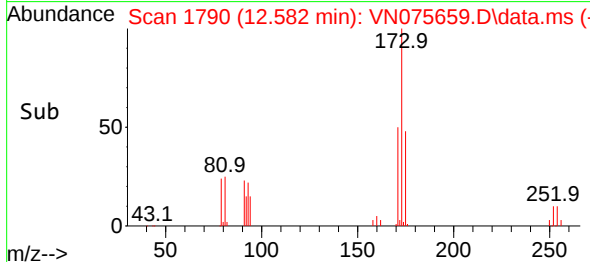
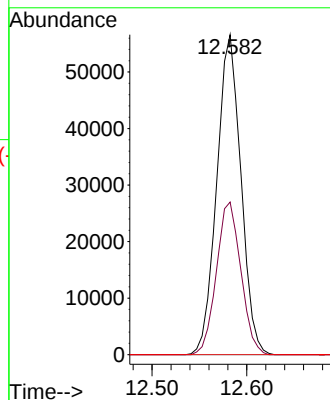
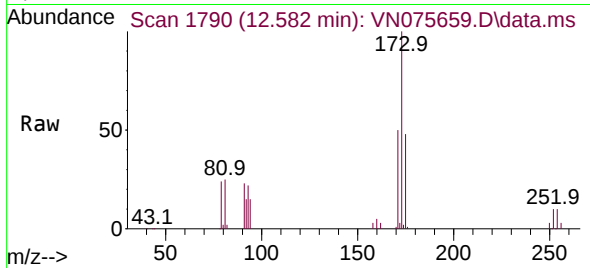




#71  
Bromoform  
Concen: 65.247 ug/l  
RT: 12.582 min Scan# 1790  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

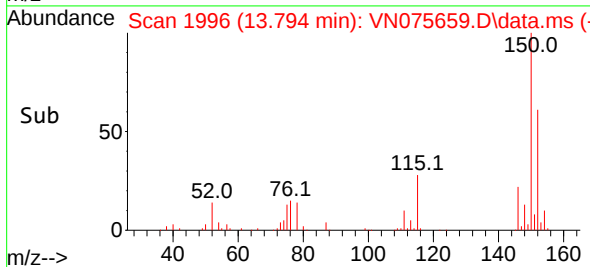
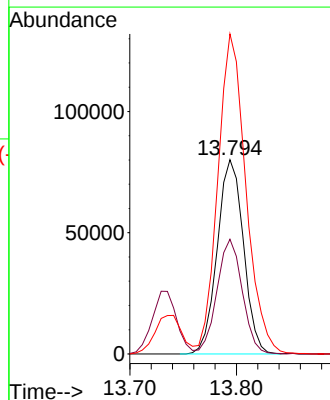
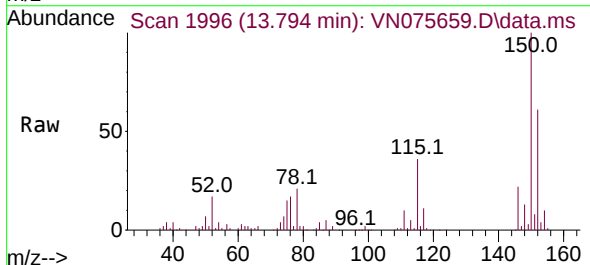
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

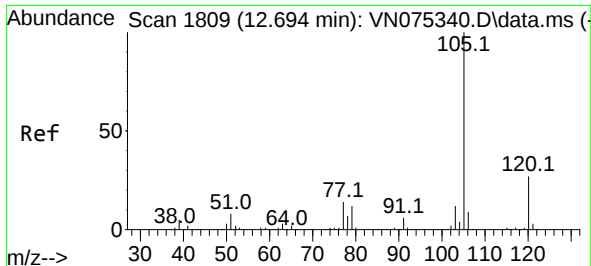
Tgt Ion:173 Resp: 100188  
Ion Ratio Lower Upper  
173 100  
175 48.2 24.6 74.0  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion:152 Resp: 136850  
Ion Ratio Lower Upper  
152 100  
115 57.2 30.2 90.6  
150 176.3 0.0 348.4

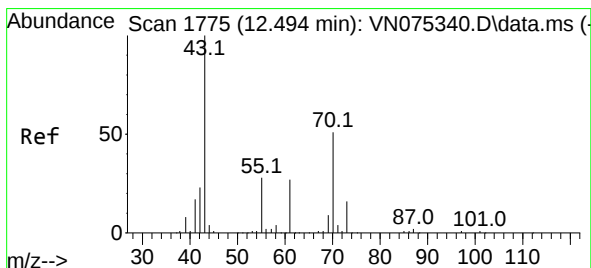
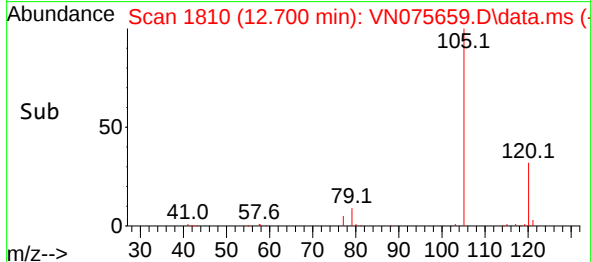
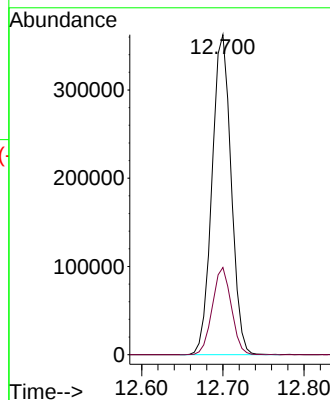
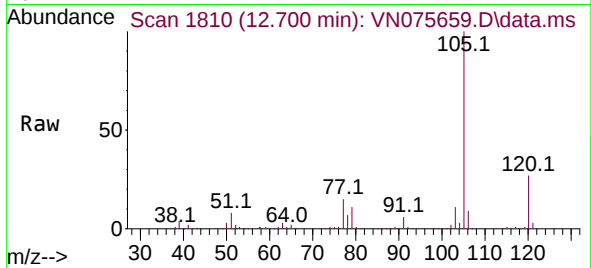




#73  
Isopropylbenzene  
Concen: 59.306 ug/l  
RT: 12.700 min Scan# 1809  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

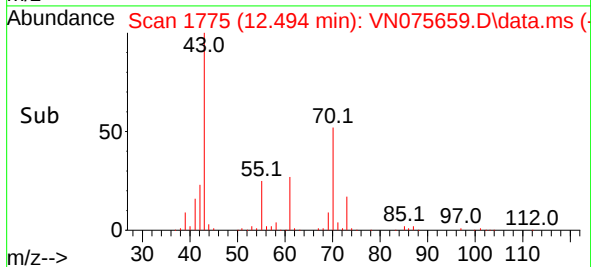
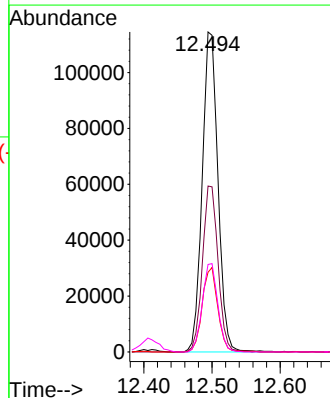
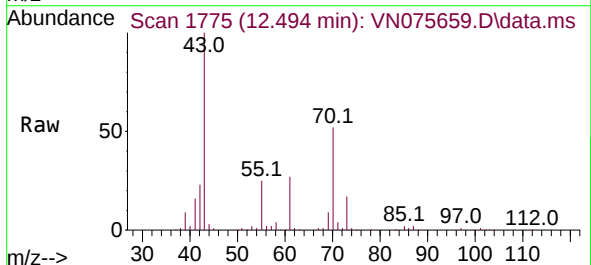
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

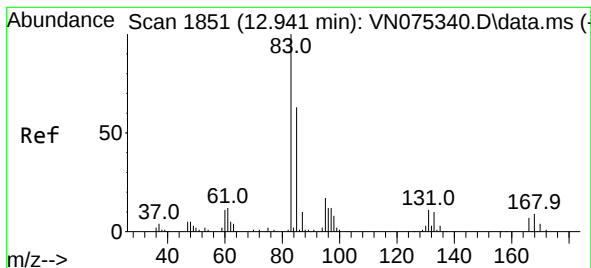
Tgt Ion:105 Resp: 592949  
Ion Ratio Lower Upper  
105 100  
120 27.0 13.1 39.1



#74  
N-ethyl acetate  
Concen: 59.754 ug/l  
RT: 12.494 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 43 Resp: 183670  
Ion Ratio Lower Upper  
43 100  
70 51.4 39.8 59.8  
55 26.0 19.9 29.9  
61 27.4 21.7 32.5

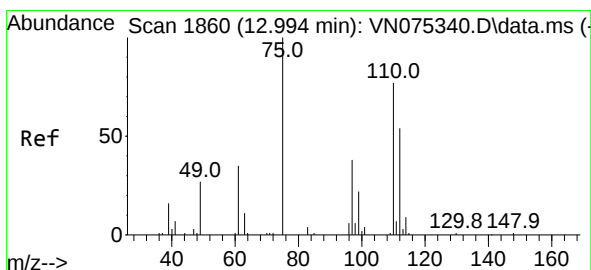
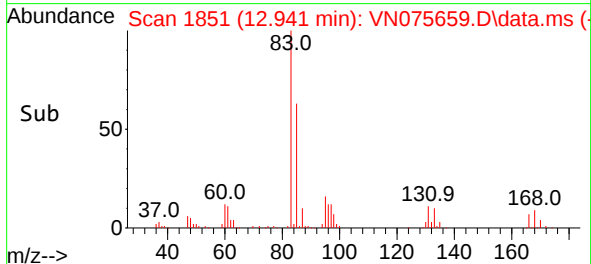
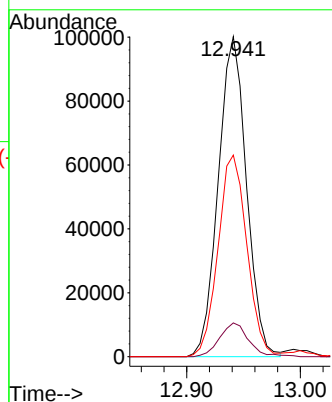
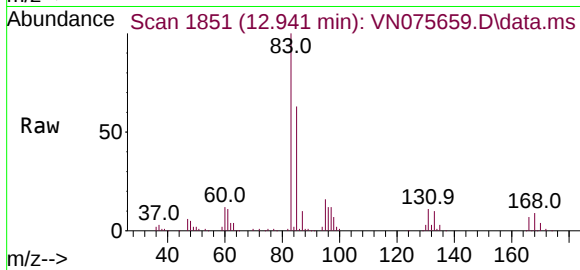




#75  
1,1,2,2-Tetrachloroethane  
Concen: 56.694 ug/l  
RT: 12.941 min Scan# 1851  
Delta R.T. 0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

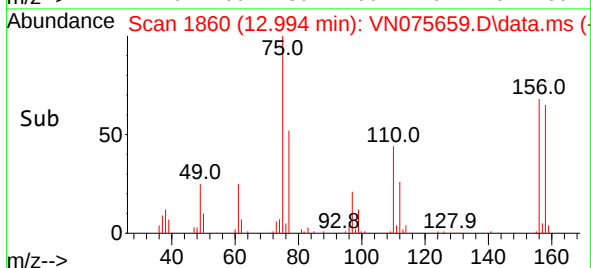
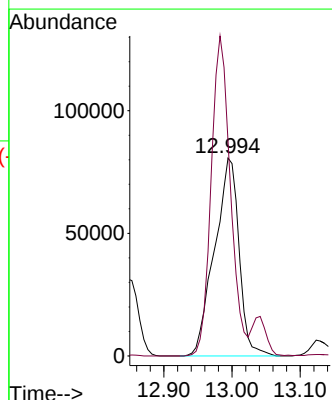
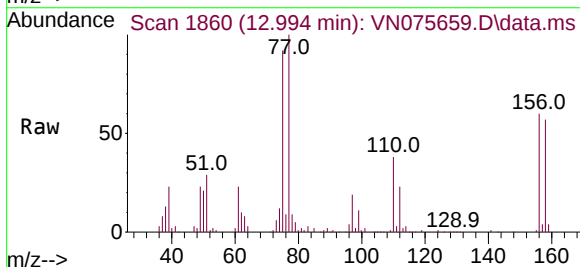
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

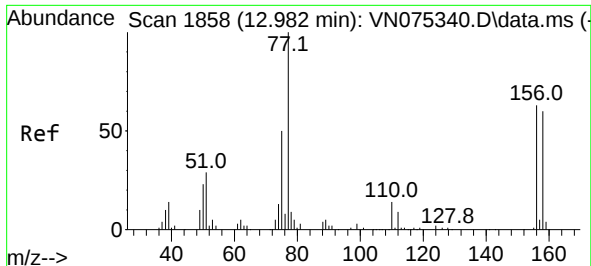
Tgt Ion: 83 Resp: 172817  
Ion Ratio Lower Upper  
83 100  
131 10.9 5.1 15.3  
85 64.4 31.6 94.7



#76  
1,2,3-Trichloropropane  
Concen: 78.054 ug/l  
RT: 12.994 min Scan# 1860  
Delta R.T. 0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 75 Resp: 201962  
Ion Ratio Lower Upper  
75 100  
77 127.2 75.6 226.8

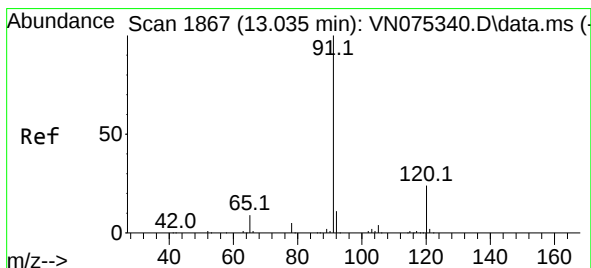
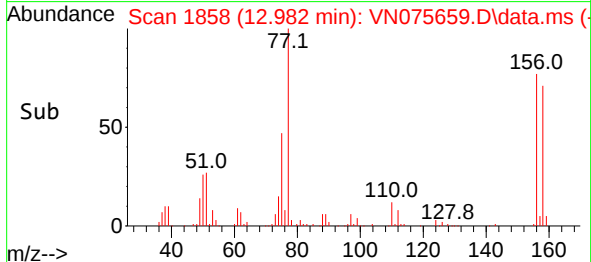
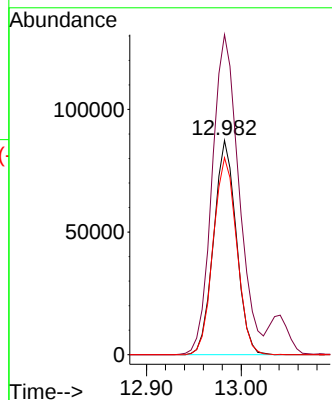
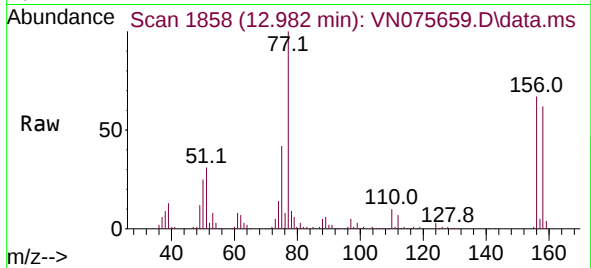




#77  
Bromobenzene  
Concen: 58.793 ug/l  
RT: 12.982 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

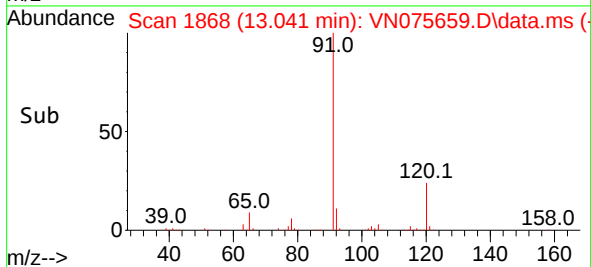
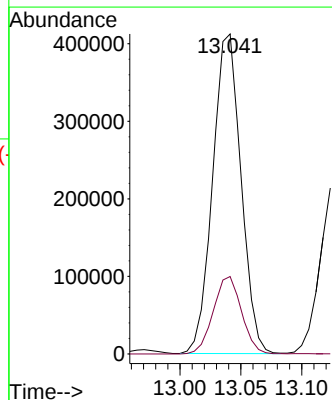
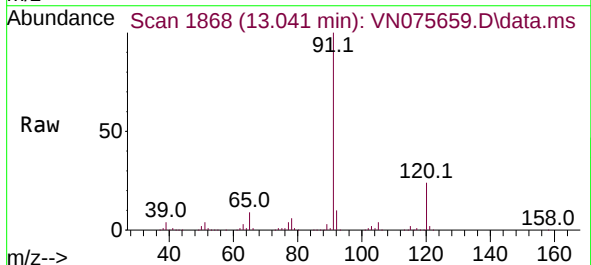
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

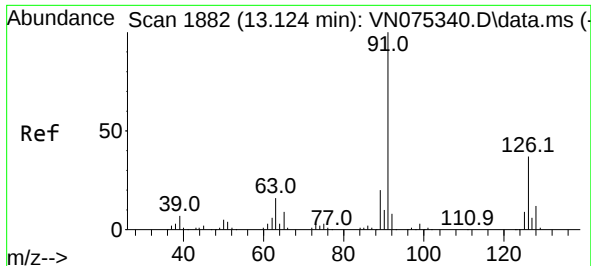
Tgt Ion:156 Resp: 145122  
Ion Ratio Lower Upper  
156 100  
77 177.0 108.5 325.5  
158 95.5 47.7 143.1



#78  
n-propylbenzene  
Concen: 59.784 ug/l  
RT: 13.041 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 91 Resp: 667072  
Ion Ratio Lower Upper  
91 100  
120 24.1 11.9 35.5





#79

2-Chlorotoluene

Concen: 58.288 ug/l

RT: 13.129 min Scan# 1882

Delta R.T. 0.005 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

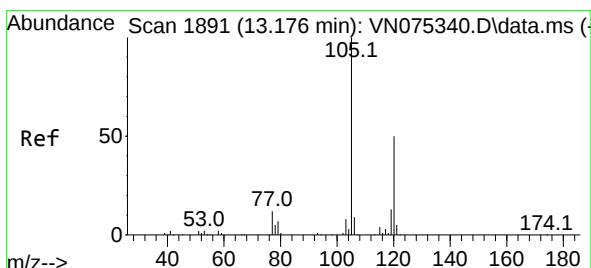
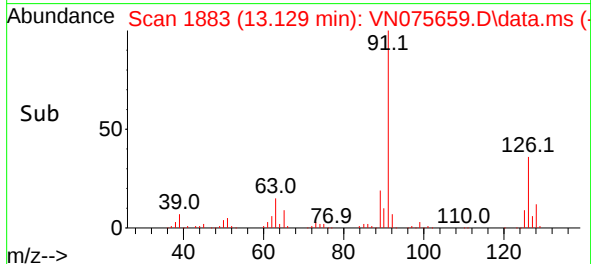
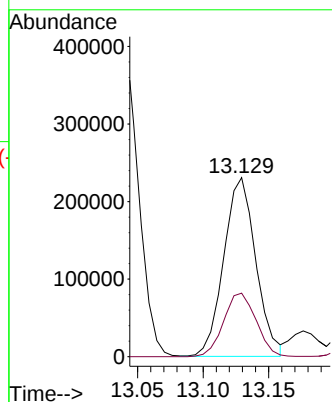
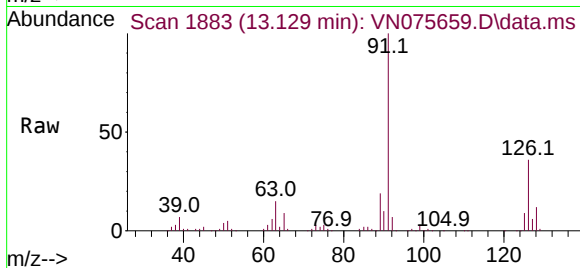
VSTDCCC050EC

Tgt Ion: 91 Resp: 391870

Ion Ratio Lower Upper

91 100

126 36.2 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 60.673 ug/l

RT: 13.176 min Scan# 1891

Delta R.T. 0.000 min

Lab File: VN075659.D

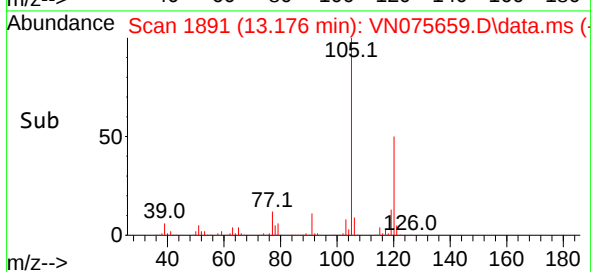
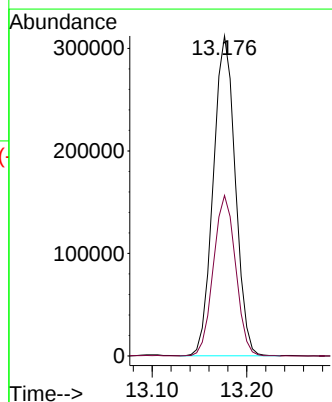
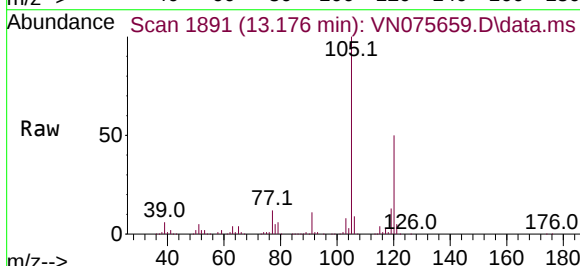
Acq: 08 Dec 2022 20:08

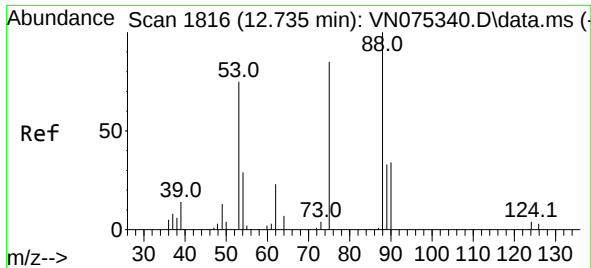
Tgt Ion:105 Resp: 503992

Ion Ratio Lower Upper

105 100

120 50.7 24.7 74.1

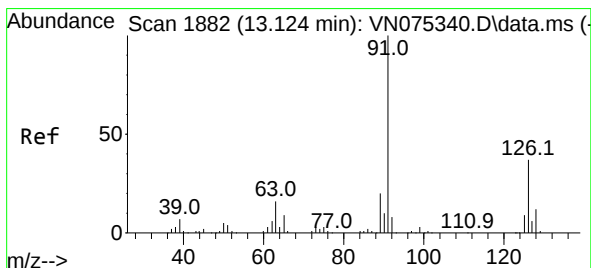
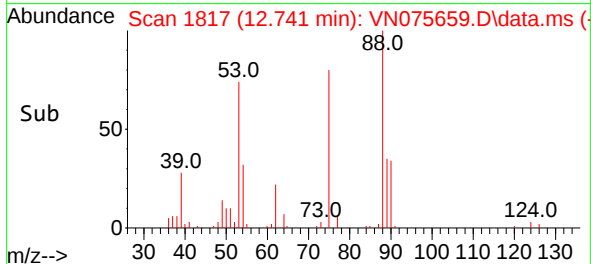
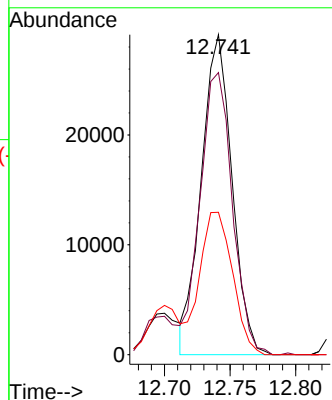
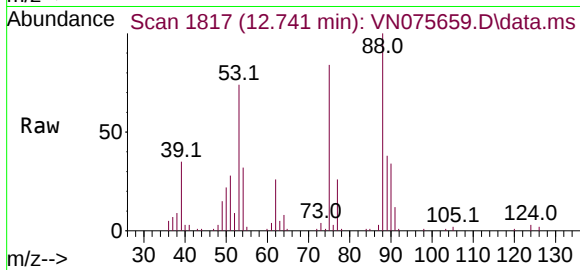




#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.308 ug/l  
RT: 12.741 min Scan# 1816  
Delta R.T. 0.006 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

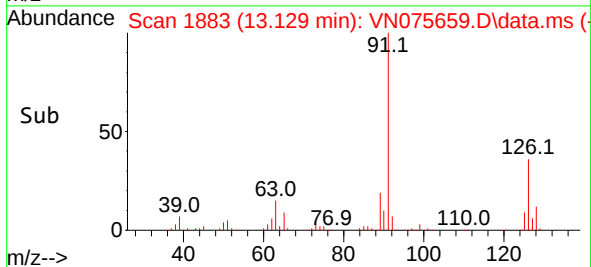
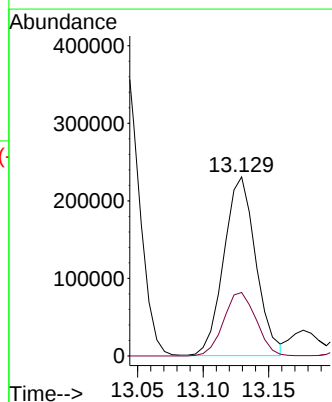
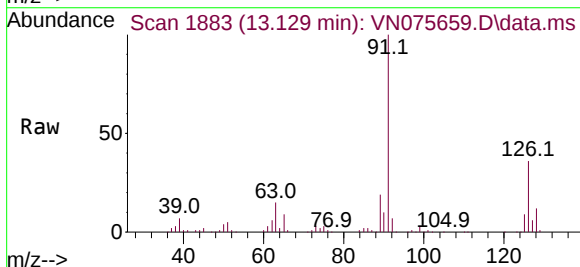
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

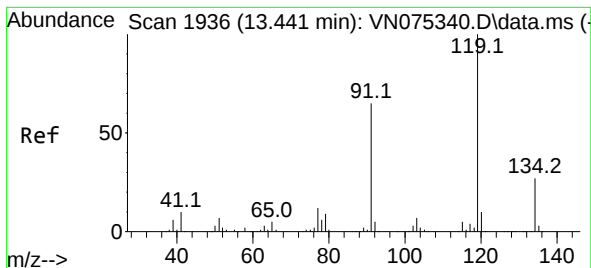
Tgt Ion: 75 Resp: 47493  
Ion Ratio Lower Upper  
75 100  
53 92.5 78.5 117.7  
89 48.5 37.7 56.5



#82  
4-Chlorotoluene  
Concen: 58.288 ug/l  
RT: 13.129 min Scan# 1883  
Delta R.T. 0.005 min  
Lab File: VN075659.D  
Acq: 08 Dec 2022 20:08

Tgt Ion: 91 Resp: 391870  
Ion Ratio Lower Upper  
91 100  
126 36.2 16.9 50.7

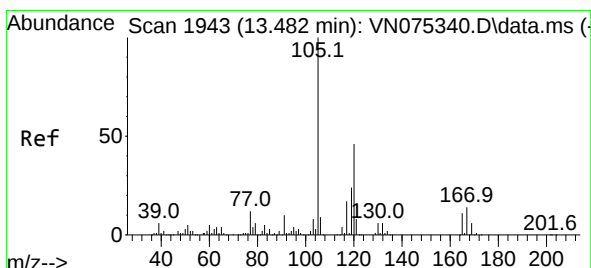
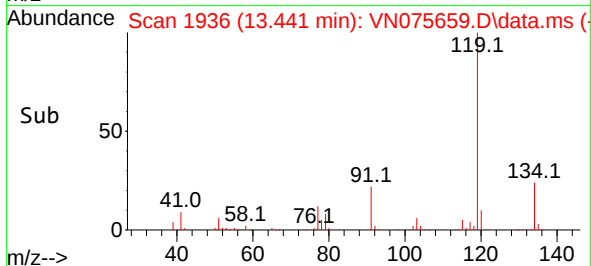
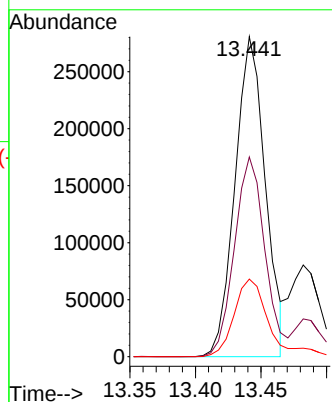
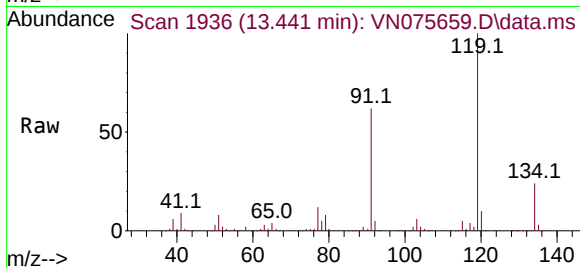




#83  
 tert-Butylbenzene  
 Concen: 59.547 ug/l  
 RT: 13.441 min Scan# 1936  
 Delta R.T. 0.000 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

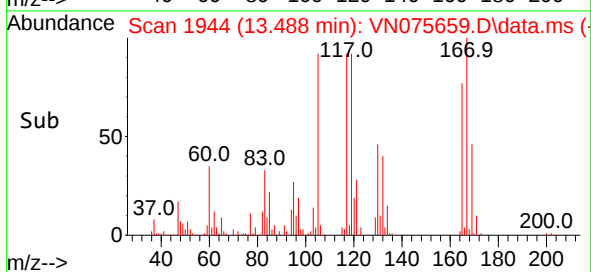
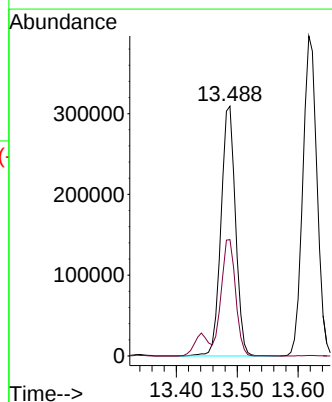
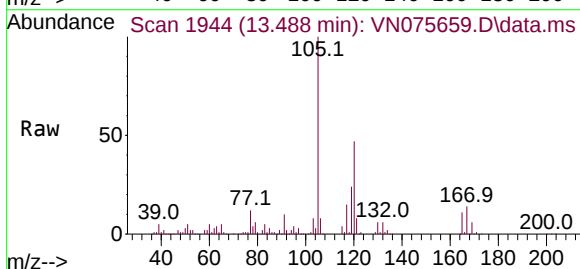
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

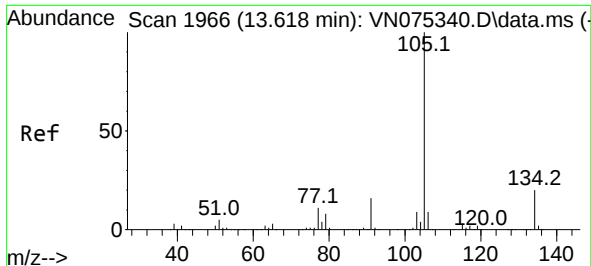
Tgt Ion:119 Resp: 450988  
 Ion Ratio Lower Upper  
 119 100  
 91 63.3 32.8 98.4  
 134 27.7 12.3 36.9



#84  
 1,2,4-Trimethylbenzene  
 Concen: 61.505 ug/l  
 RT: 13.488 min Scan# 1944  
 Delta R.T. 0.006 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

Tgt Ion:105 Resp: 512466  
 Ion Ratio Lower Upper  
 105 100  
 120 45.9 22.7 68.1

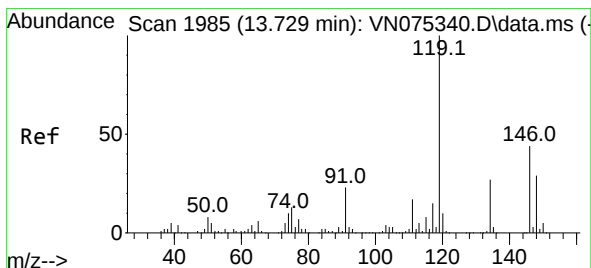
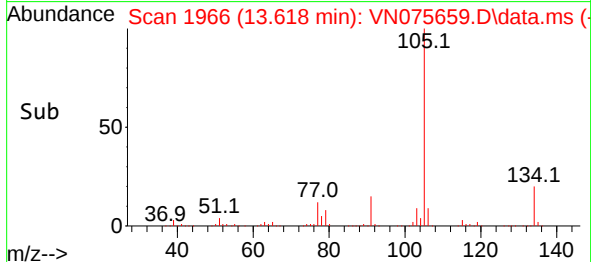
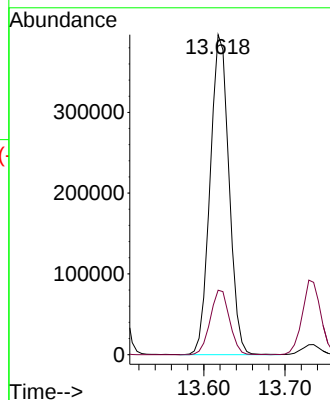
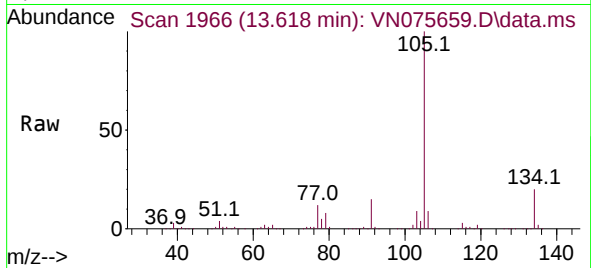




#85  
 sec-Butylbenzene  
 Concen: 62.241 ug/l  
 RT: 13.618 min Scan# 1966  
 Delta R.T. -0.000 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

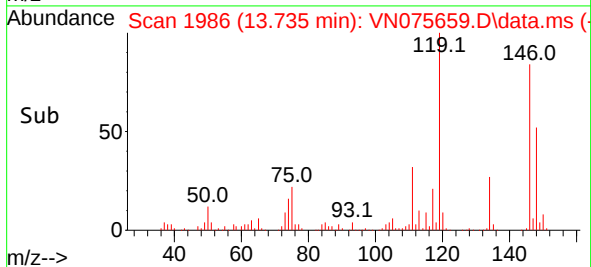
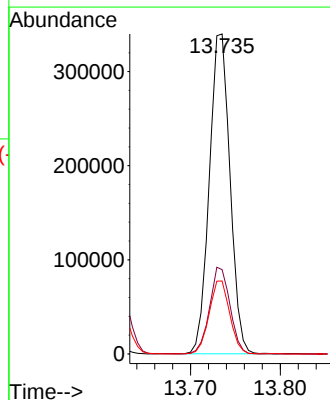
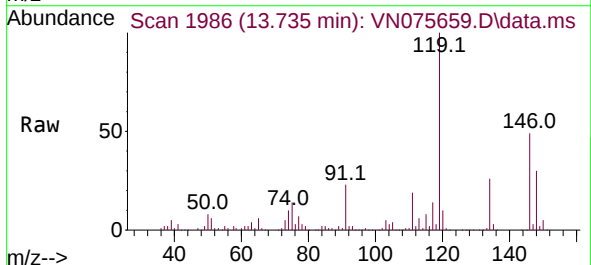
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

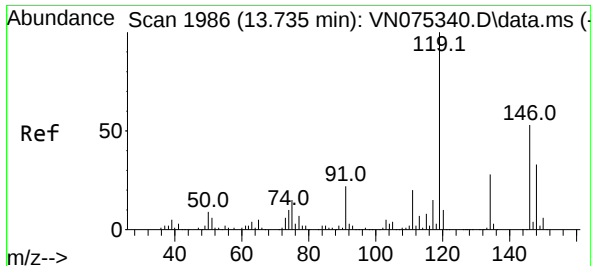
Tgt Ion:105 Resp: 639611  
 Ion Ratio Lower Upper  
 105 100  
 134 20.5 10.2 30.6



#86  
 p-Isopropyltoluene  
 Concen: 62.887 ug/l  
 RT: 13.735 min Scan# 1986  
 Delta R.T. 0.006 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

Tgt Ion:119 Resp: 543724  
 Ion Ratio Lower Upper  
 119 100  
 134 26.8 13.1 39.3  
 91 22.7 11.9 35.5

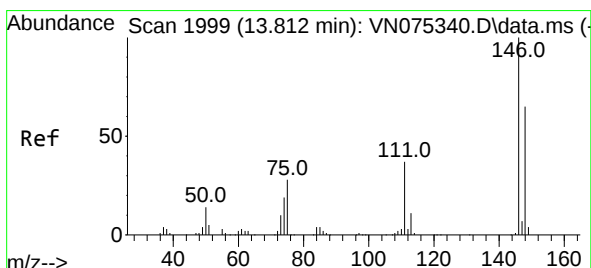
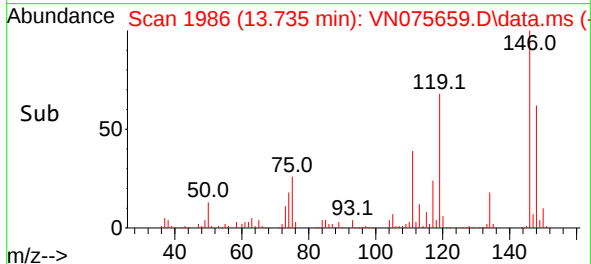
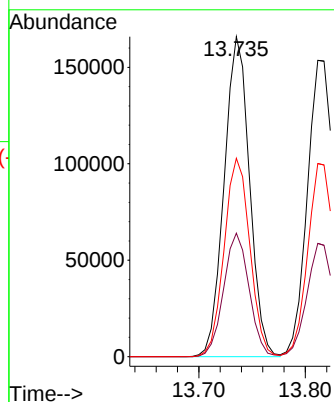
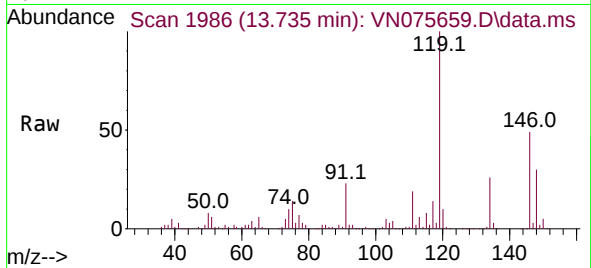




#87  
 1,3-Dichlorobenzene  
 Concen: 58.764 ug/l  
 RT: 13.735 min Scan# 1986  
 Delta R.T. 0.000 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

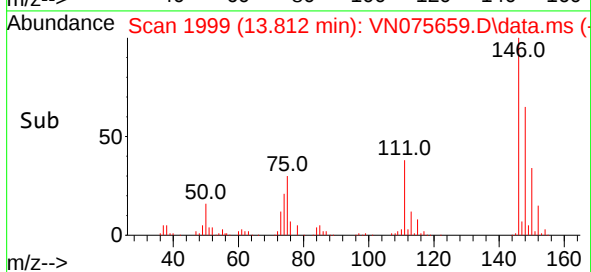
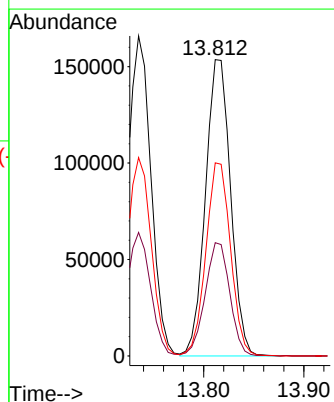
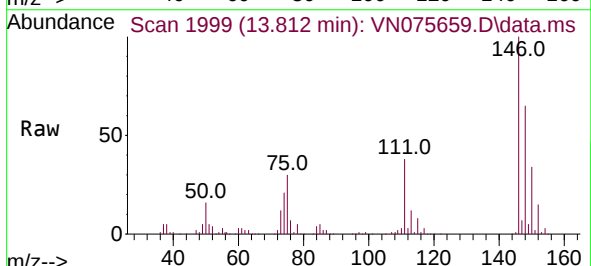
Instrument :  
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 ClientSampleId :  
 VSTDCCC050EC

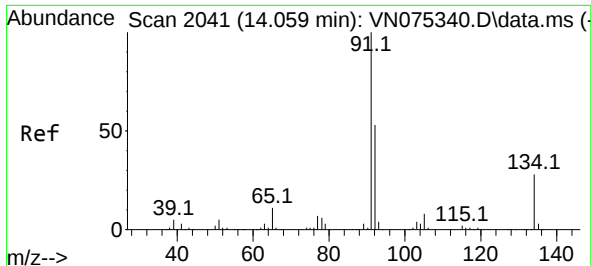
Tgt Ion:146 Resp: 274825  
 Ion Ratio Lower Upper  
 146 100  
 111 38.7 20.8 62.5  
 148 62.8 31.1 93.5



#88  
 1,4-Dichlorobenzene  
 Concen: 56.454 ug/l  
 RT: 13.812 min Scan# 1999  
 Delta R.T. -0.000 min  
 Lab File: VN075659.D  
 Acq: 08 Dec 2022 20:08

Tgt Ion:146 Resp: 268199  
 Ion Ratio Lower Upper  
 146 100  
 111 37.6 20.1 60.3  
 148 64.0 31.9 95.7





#89

n-Butylbenzene

Concen: 59.854 ug/l

RT: 14.059 min Scan# 2041

Delta R.T. -0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

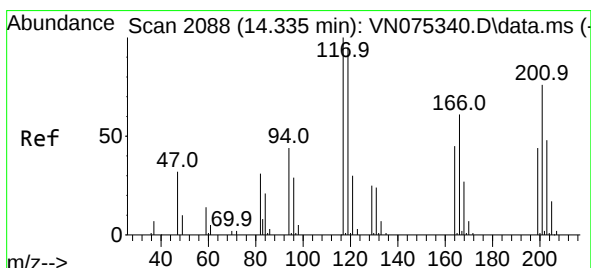
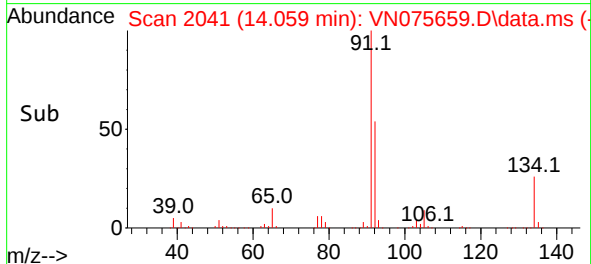
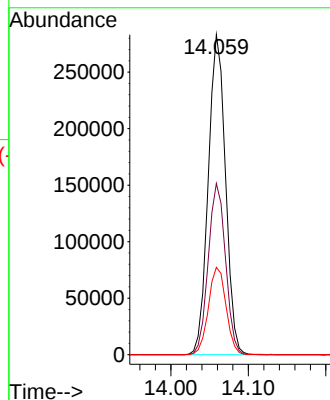
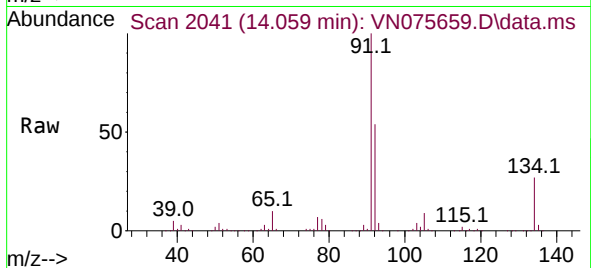
Tgt Ion: 91 Resp: 437081

Ion Ratio Lower Upper

91 100

92 53.6 26.5 79.4

134 27.9 13.0 39.0



#90

Hexachloroethane

Concen: 63.628 ug/l

RT: 14.335 min Scan# 2088

Delta R.T. 0.000 min

Lab File: VN075659.D

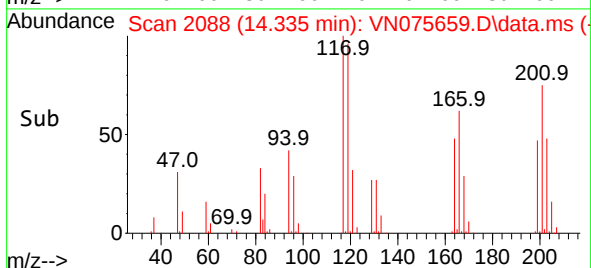
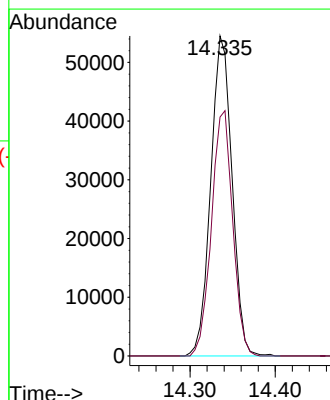
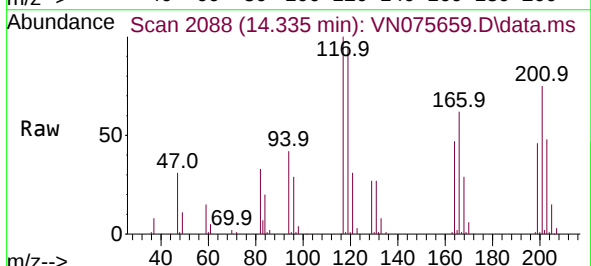
Acq: 08 Dec 2022 20:08

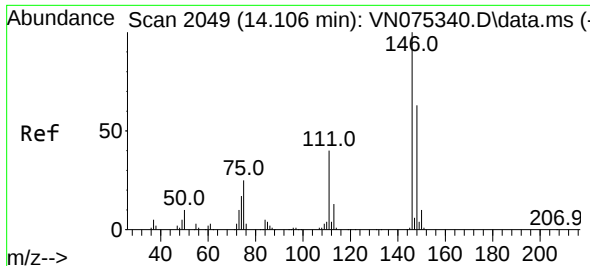
Tgt Ion: 117 Resp: 94905

Ion Ratio Lower Upper

117 100

201 76.3 31.5 94.5





#91

1,2-Dichlorobenzene

Concen: 59.287 ug/l

RT: 14.106 min Scan# 2049

Delta R.T. -0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

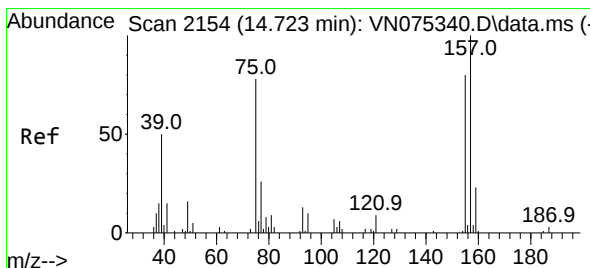
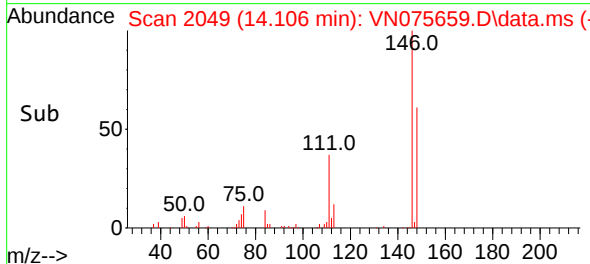
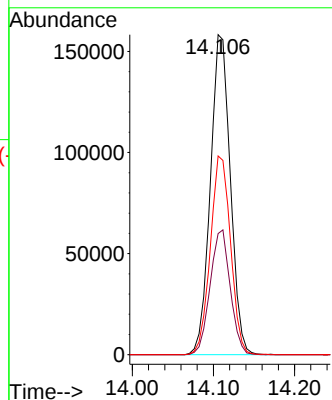
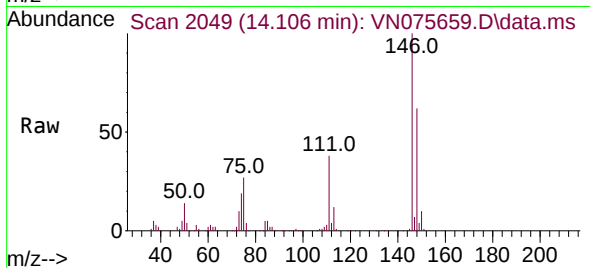
Tgt Ion:146 Resp: 270273

Ion Ratio Lower Upper

146 100

111 39.3 21.3 63.9

148 62.9 31.4 94.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.708 ug/l

RT: 14.723 min Scan# 2154

Delta R.T. 0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

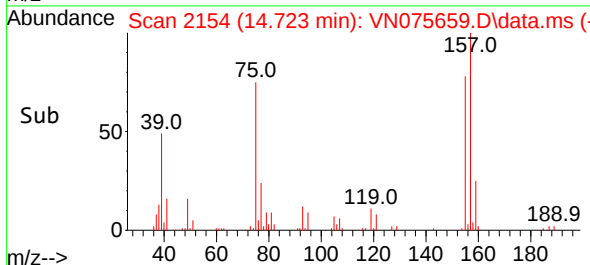
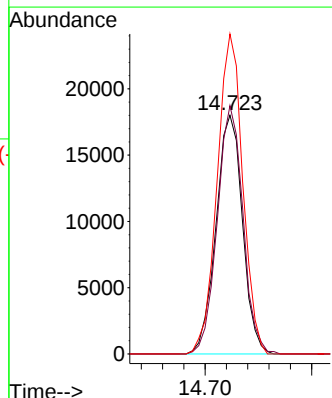
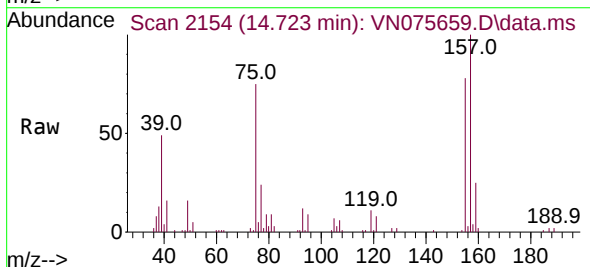
Tgt Ion: 75 Resp: 31012

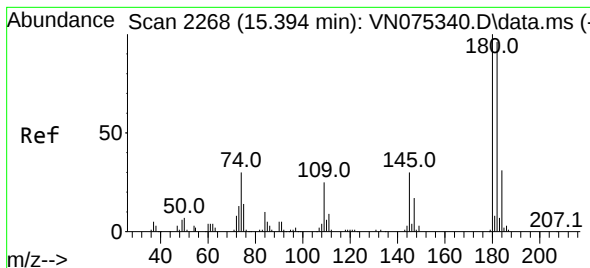
Ion Ratio Lower Upper

75 100

155 100.8 42.1 126.3

157 129.5 51.7 155.1





#93

1,2,4-Trichlorobenzene

Concen: 59.401 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

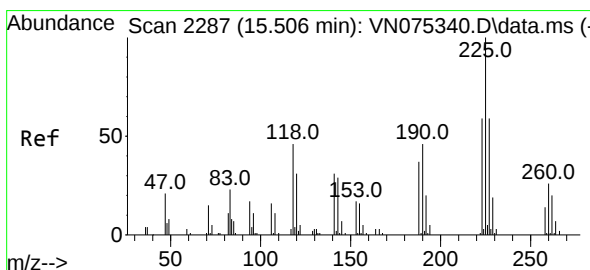
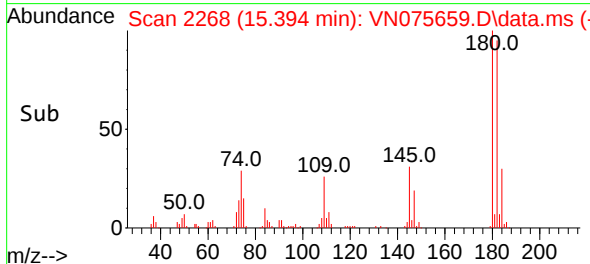
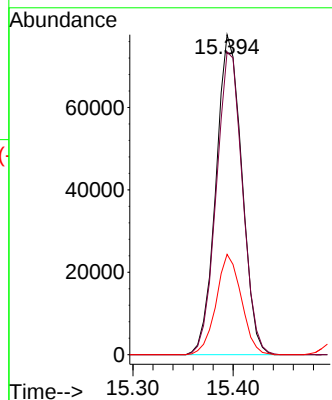
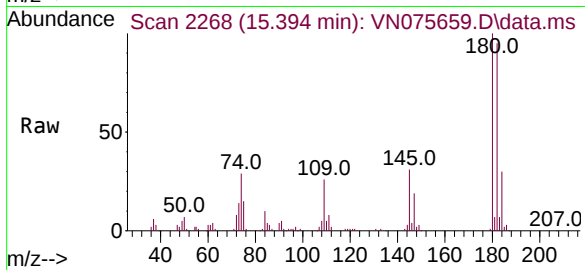
Tgt Ion:180 Resp: 138771

Ion Ratio Lower Upper

180 100

182 95.8 47.8 143.4

145 30.6 16.8 50.3



#94

Hexachlorobutadiene

Concen: 60.959 ug/l

RT: 15.506 min Scan# 2287

Delta R.T. -0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

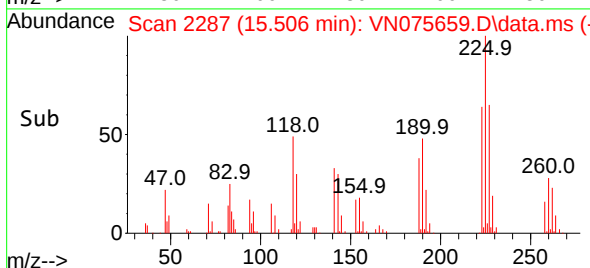
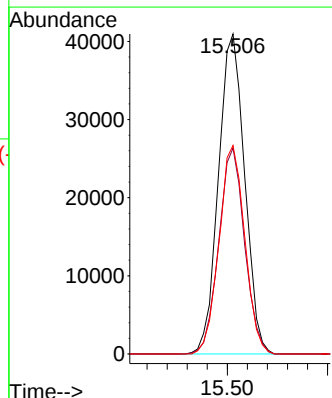
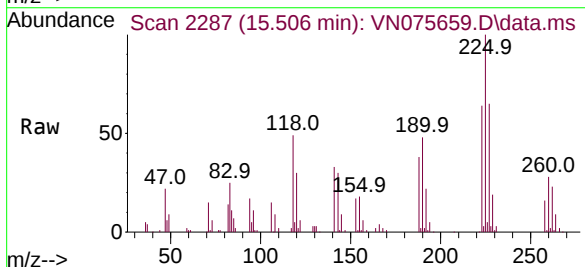
Tgt Ion:225 Resp: 74179

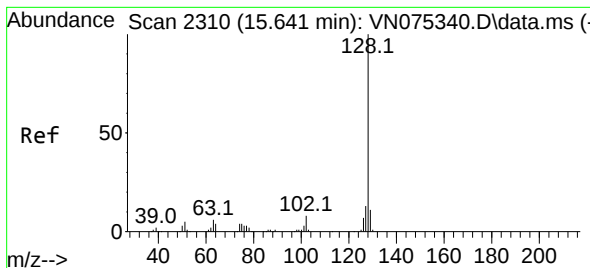
Ion Ratio Lower Upper

225 100

223 63.5 32.3 96.9

227 64.0 32.0 96.2





#95

Naphthalene

Concen: 56.043 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

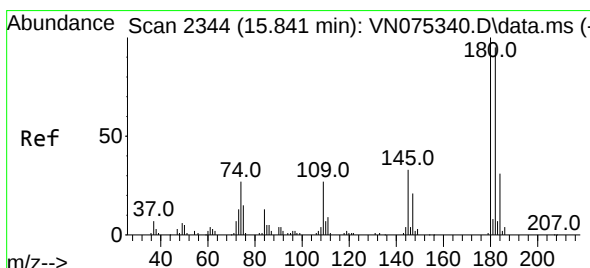
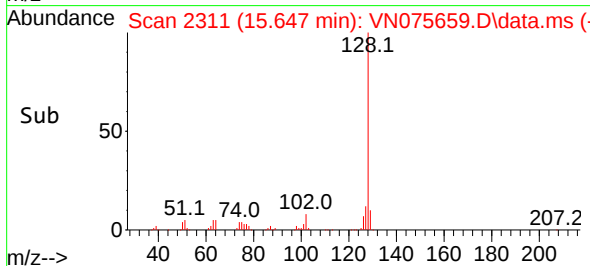
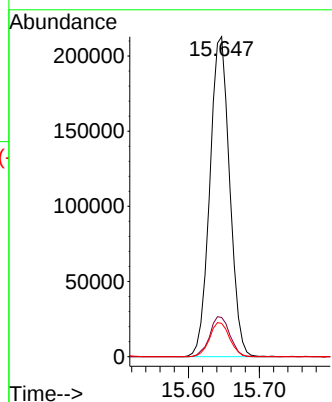
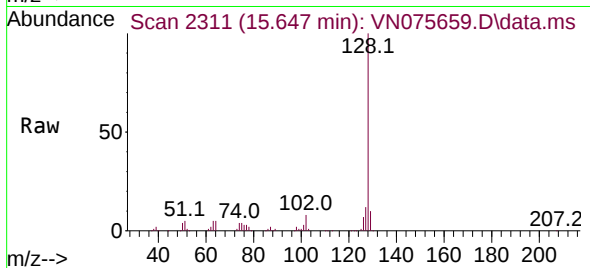
Tgt Ion:128 Resp: 411889

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.7 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 57.259 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN075659.D

Acq: 08 Dec 2022 20:08

Tgt Ion:180 Resp: 131470

Ion Ratio Lower Upper

180 100

182 97.0 47.3 141.8

145 32.4 17.6 52.9

