

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060622\  
 Data File : VN072659.D  
 Acq On : 06 Jun 2022 12:05  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Quant Time: Jun 06 13:13:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N060622W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jun 06 13:10:13 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|-------|----------|
| -----                        |                |      |                      |         |       |          |
| Internal Standards           |                |      |                      |         |       |          |
| 1) Bromochloromethane        | 7.651          | 128  | 42556                | 30.000  | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene      | 8.963          | 114  | 246276               | 30.000  | ug/l  | # 0.00   |
| 57) Chlorobenzene-d5         | 11.739         | 117  | 234268               | 30.000  | ug/l  | 0.00     |
|                              |                |      |                      |         |       |          |
| System Monitoring Compounds  |                |      |                      |         |       |          |
| 27) 1,2-Dichloroethane-d4    | 8.433          | 65   | 143576               | 33.485  | ug/l  | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 111.600%# |         |       |          |
| 60) 4-Bromofluorobenzene     | 12.727         | 95   | 152851               | 36.229  | ug/l  | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 120.767%# |         |       |          |
| 63) Toluene-d8               | 10.439         | 98   | 382668               | 28.811  | ug/l  | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 96.033%   |         |       |          |
|                              |                |      |                      |         |       |          |
| Target Compounds             |                |      |                      |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.063          | 85   | 307828               | 106.034 | ug/l  | 98       |
| 3) Chloromethane             | 2.293          | 50   | 319878               | 83.586  | ug/l  | 96       |
| 4) Vinyl Chloride            | 2.434          | 62   | 300282               | 92.876  | ug/l  | 99       |
| 5) Bromomethane              | 2.816          | 94   | 155482               | 96.772  | ug/l  | 99       |
| 6) Chloroethane              | 2.993          | 64   | 197074               | 95.864  | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 3.357          | 101  | 551014               | 115.705 | ug/l  | 99       |
| 8) Diethyl Ether             | 3.816          | 74   | 215045               | 110.503 | ug/l  | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 4.198          | 101  | 287779               | 110.582 | ug/l  | 76       |
| 10) 1,1-Dichloroethene       | 4.175          | 96   | 271542               | 107.926 | ug/l  | 89       |
| 11) Methyl Iodide            | 4.416          | 142  | 306543               | 123.487 | ug/l  | 96       |
| 12) Methyl Acetate           | 4.845          | 43   | 555053               | 109.501 | ug/l  | 94       |
| 13) Acrolein                 | 4.034          | 56   | 237139               | 427.308 | ug/l  | 100      |
| 14) Acrylonitrile            | 5.545          | 53   | 1166128              | 539.743 | ug/l  | 99       |
| 15) Acetone                  | 4.275          | 58   | 306208               | 546.858 | ug/l  | 83       |
| 16) Carbon Disulfide         | 4.522          | 76   | 659397               | 97.049  | ug/l  | 97       |
| 17) Allyl chloride           | 4.834          | 41   | 600705               | 112.269 | ug/l  | 93       |
| 18) Methylene Chloride       | 5.087          | 84   | 336696               | 102.523 | ug/l  | # 85     |
| 19) trans-1,2-Dichloroethene | 5.593          | 96   | 290307               | 105.471 | ug/l  | 90       |
| 20) Diisopropyl ether        | 6.487          | 45   | 1203195              | 99.439  | ug/l  | 97       |
| 21) 1,1-Dichloroethane       | 6.375          | 63   | 655208               | 105.423 | ug/l  | 99       |
| 22) cis-1,2-Dichloroethene   | 7.316          | 96   | 369867               | 104.457 | ug/l  | 89       |
| 23) tert-Butyl Alcohol       | 5.357          | 59   | 529707               | 658.321 | ug/l  | # 100    |
| 24) Methyl tert-Butyl Ether  | 5.604          | 73   | 1236791              | 121.499 | ug/l  | 96       |
| 25) Chloroform               | 7.810          | 83   | 673134               | 105.444 | ug/l  | 98       |
| 26) Cyclohexane              | 8.092          | 56   | 533254               | 92.078  | ug/l  | # 94     |
| 29) 1,1-Dichloropropene      | 8.216          | 75   | 469240               | 103.482 | ug/l  | 95       |
| 30) 2-Butanone               | 7.328          | 43   | 1694608              | 549.355 | ug/l  | 95       |
| 31) 2,2-Dichloropropane      | 7.322          | 77   | 632795               | 129.578 | ug/l  | 94       |
| 32) 1,1,1-Trichloroethane    | 8.010          | 97   | 612611               | 117.420 | ug/l  | 96       |
| 33) Carbon Tetrachloride     | 8.198          | 117  | 532396               | 115.459 | ug/l  | 97       |
| 34) Benzene                  | 8.451          | 78   | 1381578              | 97.930  | ug/l  | 100      |
| 35) Methacrylonitrile        | 7.628          | 41   | 339049               | 106.873 | ug/l  | 92       |
| 36) 1,2-Dichloroethane       | 8.522          | 62   | 588421               | 120.688 | ug/l  | 99       |
| 37) Trichloroethene          | 9.210          | 130  | 334824               | 99.395  | ug/l  | 89       |
| 38) Methylcyclohexane        | 9.457          | 83   | 551253               | 98.453  | ug/l  | 92       |
| 39) 1,2-Dichloropropane      | 9.486          | 63   | 382222               | 100.934 | ug/l  | 99       |
| 40) Dibromomethane           | 9.575          | 93   | 264212               | 108.277 | ug/l  | 95       |
| 41) Bromodichloromethane     | 9.757          | 83   | 571793               | 114.670 | ug/l  | 95       |
| 42) Vinyl Acetate            | 6.422          | 43   | 5621198              | 555.430 | ug/l  | 99       |

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 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

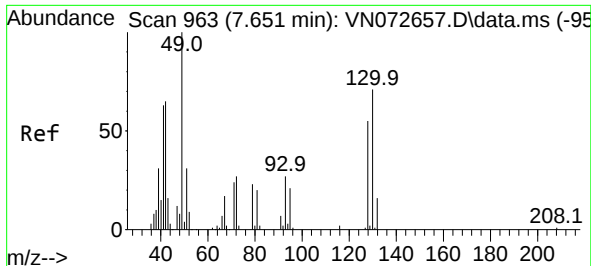
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Quant Time: Jun 06 13:13:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N060622W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jun 06 13:10:13 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 43) Ethyl Acetate             | 7.404  | 43   | 666756   | 110.890  | ug/l   | 98       |
| 44) Isopropyl Acetate         | 8.551  | 43   | 1075993  | 113.872  | ug/l   | 99       |
| 45) 1,4-Dioxane               | 9.563  | 88   | 179417   | 2267.152 | ug/l   | 89       |
| 46) Methyl methacrylate       | 9.557  | 41   | 487422   | 110.017  | ug/l   | 88       |
| 47) n-amyl Acetate            | 12.380 | 43   | 905667   | 131.469  | ug/l   | 97       |
| 48) t-1,3-Dichloropropene     | 10.716 | 75   | 661702   | 121.572  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene   | 10.186 | 75   | 669059   | 114.262  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 10.892 | 97   | 369918   | 103.780  | ug/l   | 97       |
| 51) Ethyl methacrylate        | 10.757 | 69   | 693726   | 113.588  | ug/l   | 94       |
| 52) 1,3-Dichloropropane       | 11.039 | 76   | 666897   | 105.622  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.233 | 129  | 421608   | 113.616  | ug/l   | 100      |
| 54) 1,2-Dibromoethane         | 11.345 | 107  | 394770   | 107.700  | ug/l   | 97       |
| 55) 2-Chloroethyl vinyl ether | 10.039 | 63   | 1431842  | 545.008  | ug/l   | 98       |
| 56) Bromoform                 | 12.457 | 173  | 306087   | 116.184  | ug/l # | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.327 | 43   | 3491179  | 517.475  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.080 | 43   | 2697817  | 555.264  | ug/l   | 99       |
| 61) Tetrachloroethene         | 10.975 | 164  | 277130   | 92.467   | ug/l   | 96       |
| 62) Toluene                   | 10.504 | 91   | 1550771  | 97.070   | ug/l   | 97       |
| 64) Chlorobenzene             | 11.769 | 112  | 971257   | 103.366  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.839 | 131  | 380978   | 102.016  | ug/l   | 99       |
| 66) Ethyl Benzene             | 11.839 | 91   | 1824720  | 101.596  | ug/l   | 100      |
| 67) m/p-Xylenes               | 11.951 | 106  | 1340427  | 207.417  | ug/l   | 94       |
| 68) o-Xylene                  | 12.274 | 106  | 676481   | 104.353  | ug/l   | 93       |
| 69) Styrene                   | 12.292 | 104  | 1121439  | 109.573  | ug/l   | 95       |
| 70) Isopropylbenzene          | 12.574 | 105  | 1799131  | 108.448  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.821 | 83   | 610624   | 107.394  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane    | 12.874 | 75   | 870477   | 161.686  | ug/l   | 49       |
| 73) Bromobenzene              | 12.857 | 156  | 372259   | 104.076  | ug/l   | 74       |
| 74) n-propylbenzene           | 12.916 | 91   | 2095480  | 111.392  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.004 | 91   | 1286147  | 112.003  | ug/l   | 93       |
| 76) 1,3,5-Trimethylbenzene    | 13.057 | 105  | 1498432  | 113.395  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.621 | 75   | 237097   | 123.384  | ug/l   | 99       |
| 78) 4-Chlorotoluene           | 13.098 | 91   | 1249797  | 119.245  | ug/l   | 92       |
| 79) tert-butylbenzene         | 13.321 | 119  | 1326296  | 114.726  | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene    | 13.498 | 105  | 1839244  | 138.271  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 13.498 | 105  | 1839244  | 110.748  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.610 | 119  | 1499040  | 116.372  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.610 | 146  | 660707   | 105.954  | ug/l   | 97       |
| 84) 1,4-Dichlorobenzene       | 13.692 | 146  | 658568   | 108.553  | ug/l   | 97       |
| 85) n-Butylbenzene            | 13.939 | 91   | 1291808  | 120.323  | ug/l   | 96       |
| 86) Hexachloroethane          | 14.204 | 117  | 323981   | 122.211  | ug/l   | 89       |
| 87) 1,2-Dichlorobenzene       | 13.986 | 146  | 644585   | 105.194  | ug/l   | 96       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.598 | 75   | 152317   | 128.772  | ug/l   | 89       |
| 89) 1,2,4-Trichlorobenzene    | 15.257 | 180  | 337148   | 110.466  | ug/l   | 97       |
| 90) Hexachlorobutadiene       | 15.362 | 225  | 145322   | 97.108   | ug/l   | 99       |
| 91) Naphthalene               | 15.498 | 128  | 1326935  | 119.838  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.698 | 180  | 336949   | 108.832  | ug/l   | 98       |

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

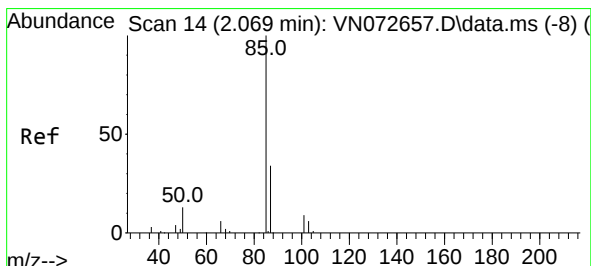
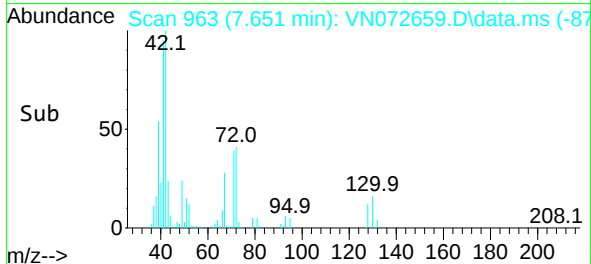
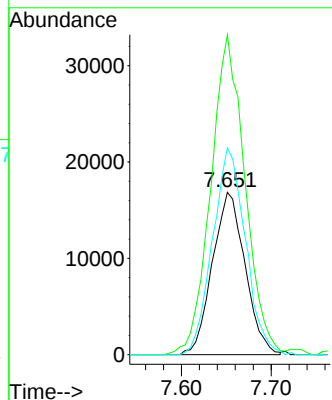
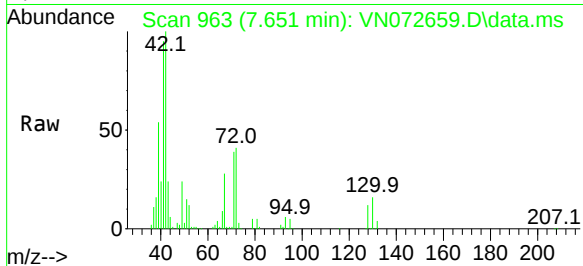




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.651 min Scan# 9  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

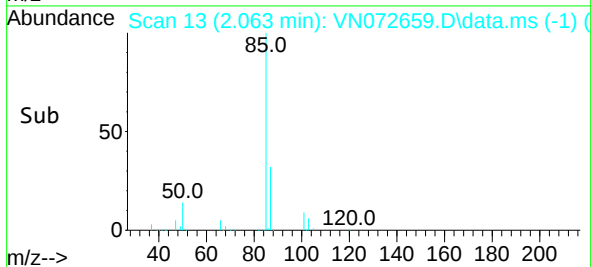
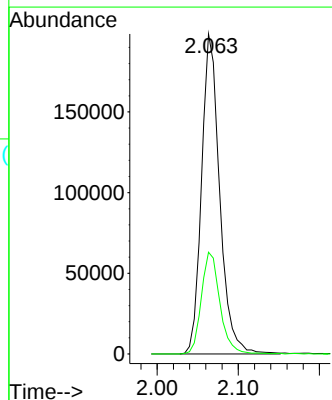
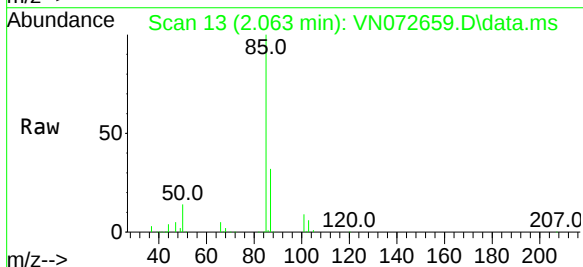
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

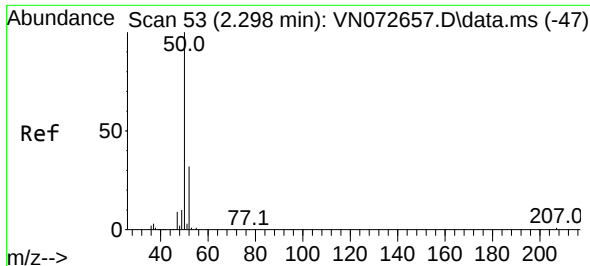
Tgt Ion:128 Resp: 42556  
Ion Ratio Lower Upper  
128 100  
49 206.3 0.0 392.3  
130 128.3 0.0 320.2



#2  
Dichlorodifluoromethane  
Concen: 106.034 ug/l  
RT: 2.063 min Scan# 13  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 85 Resp: 307828  
Ion Ratio Lower Upper  
85 100  
87 31.8 16.6 49.7

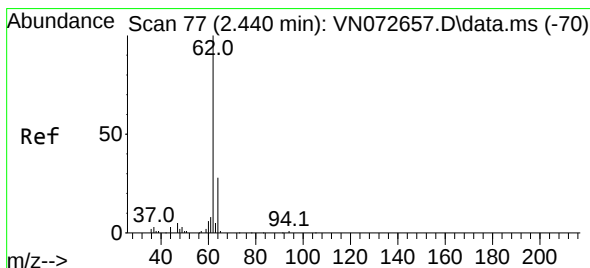
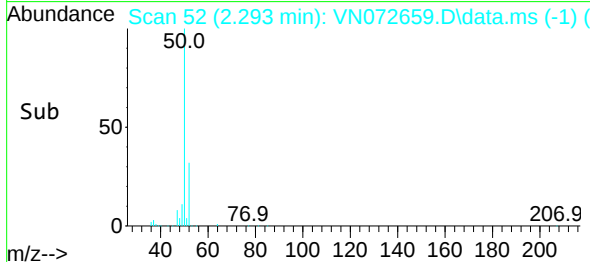
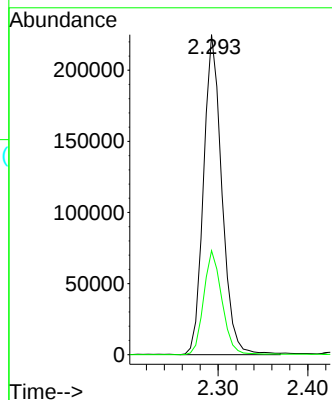
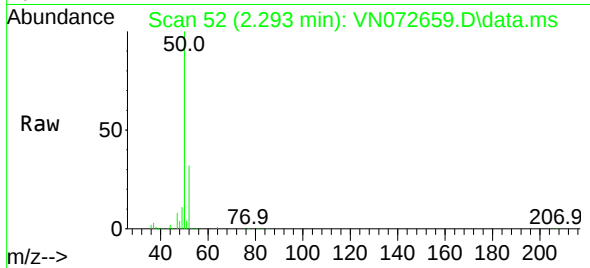




#3  
Chloromethane  
Concen: 83.586 ug/l  
RT: 2.293 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

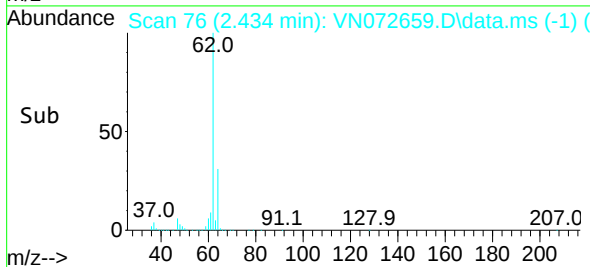
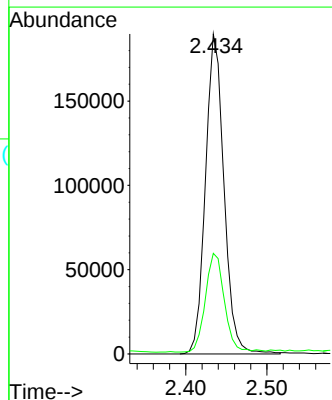
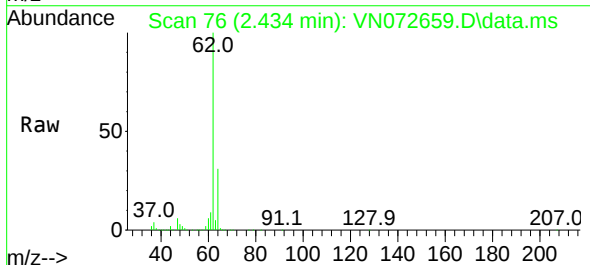
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

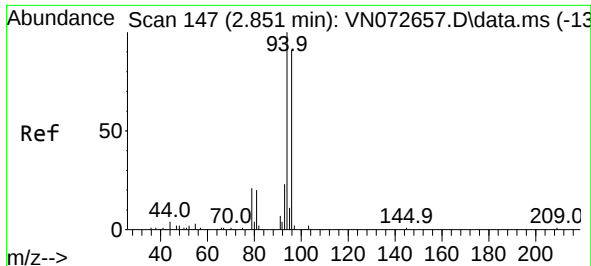
Tgt Ion: 50 Resp: 319878  
Ion Ratio Lower Upper  
50 100  
52 32.5 27.8 41.6



#4  
Vinyl Chloride  
Concen: 92.876 ug/l  
RT: 2.434 min Scan# 76  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 62 Resp: 300282  
Ion Ratio Lower Upper  
62 100  
64 30.8 25.1 37.7

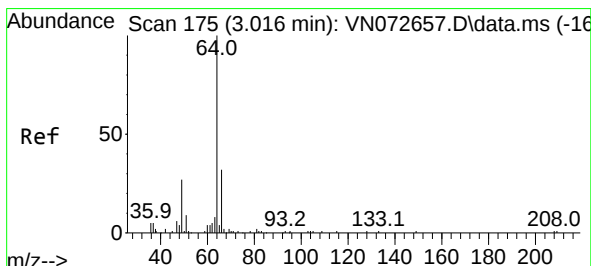
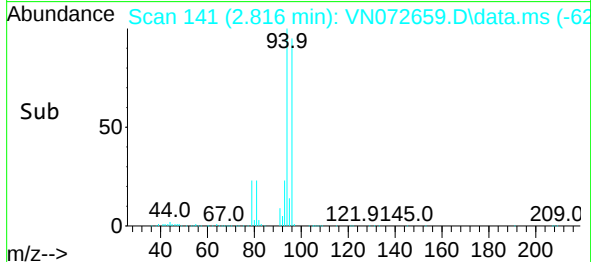
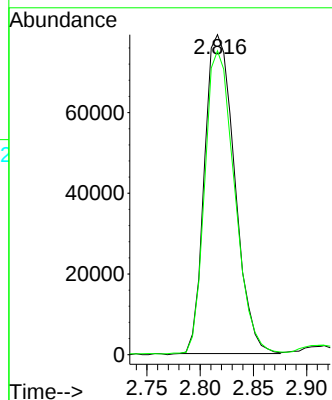
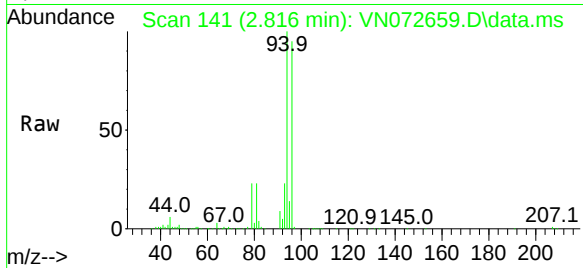




#5  
Bromomethane  
Concen: 96.772 ug/l  
RT: 2.816 min Scan# 14  
Delta R.T. -0.035 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

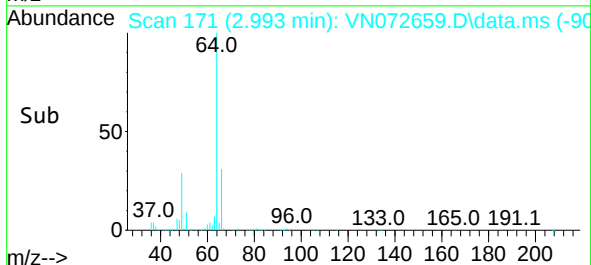
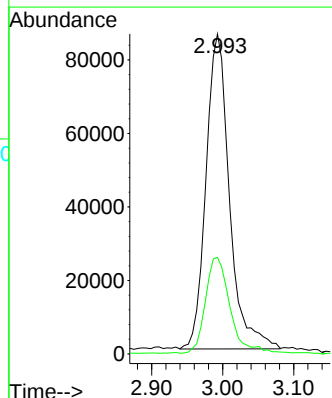
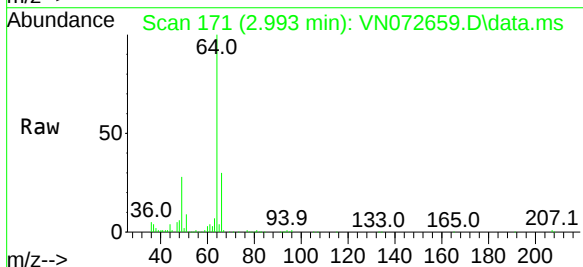
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

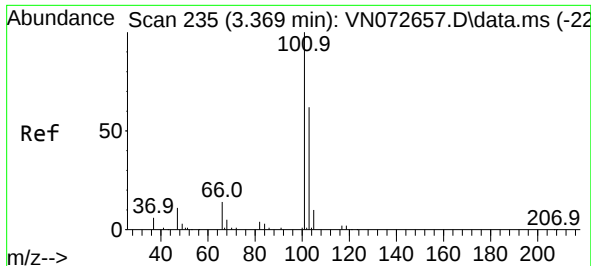
Tgt Ion: 94 Resp: 155482  
Ion Ratio Lower Upper  
94 100  
96 94.8 75.2 112.8



#6  
Chloroethane  
Concen: 95.864 ug/l  
RT: 2.993 min Scan# 171  
Delta R.T. -0.023 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 64 Resp: 197074  
Ion Ratio Lower Upper  
64 100  
66 30.4 24.6 36.8

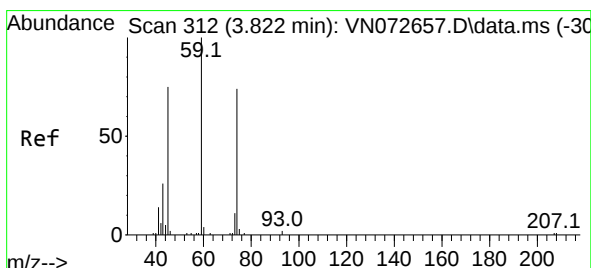
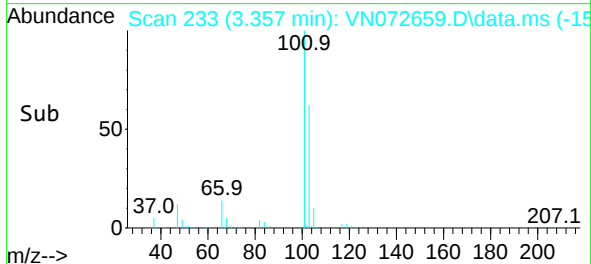
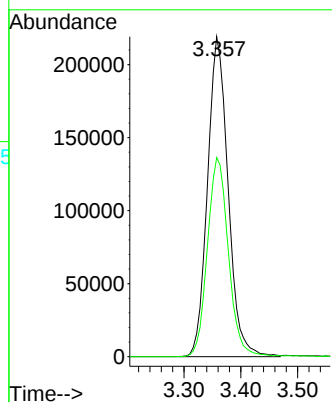
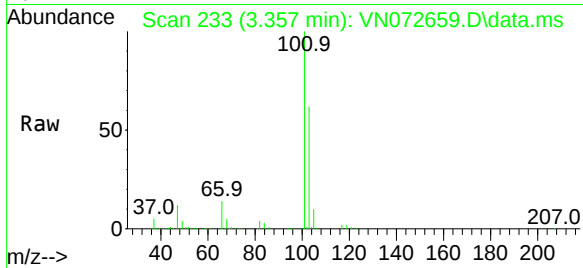




#7  
Trichlorofluoromethane  
Concen: 115.705 ug/l  
RT: 3.357 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

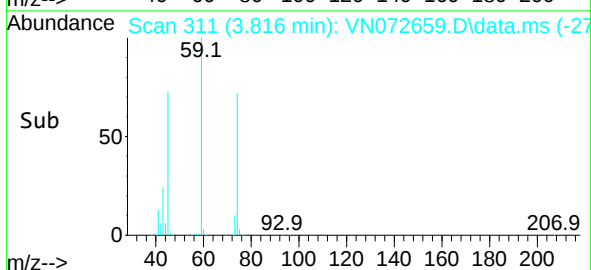
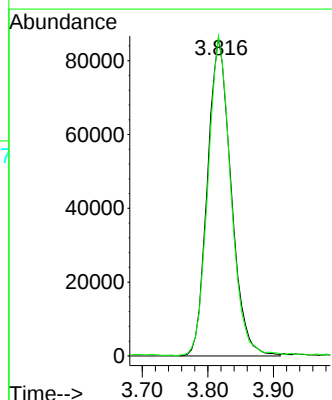
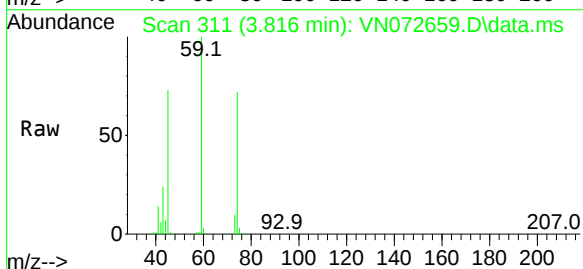
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

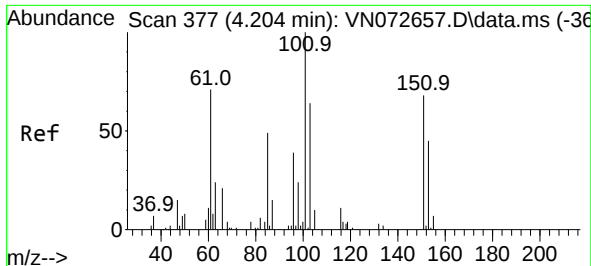
Tgt Ion:101 Resp: 551014  
Ion Ratio Lower Upper  
101 100  
103 62.1 50.1 75.1



#8  
Diethyl Ether  
Concen: 110.503 ug/l  
RT: 3.816 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 74 Resp: 215045  
Ion Ratio Lower Upper  
74 100  
45 97.2 17.6 158.8

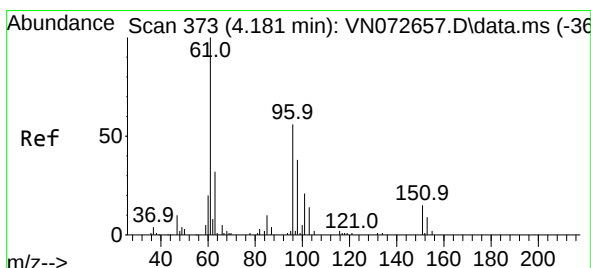
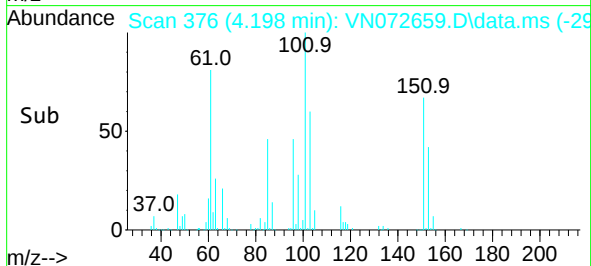
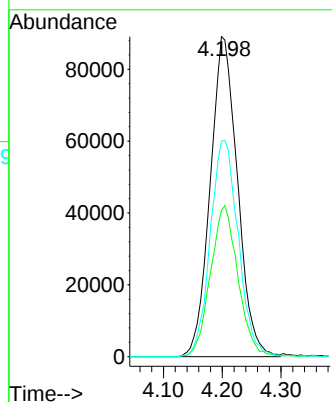
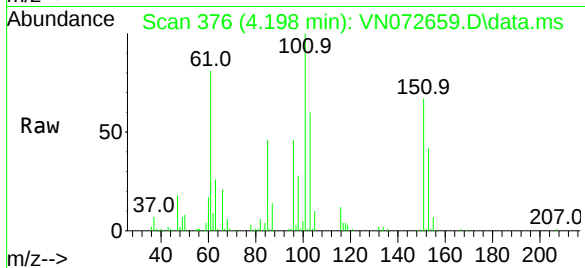




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 110.582 ug/l  
RT: 4.198 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

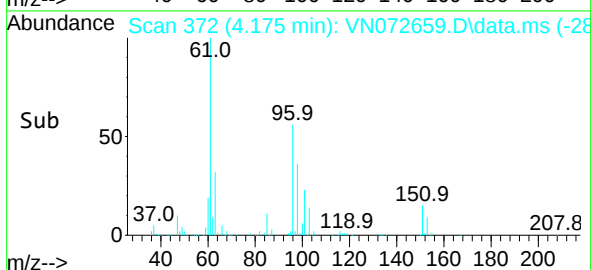
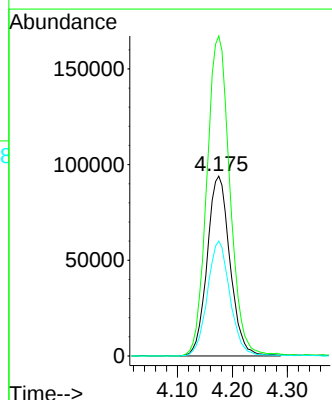
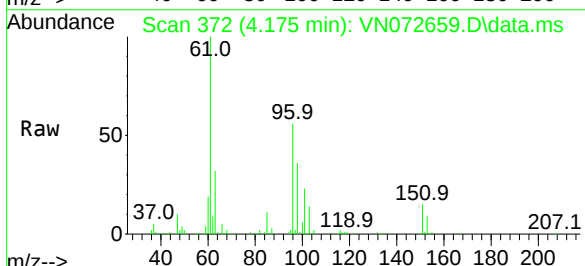
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

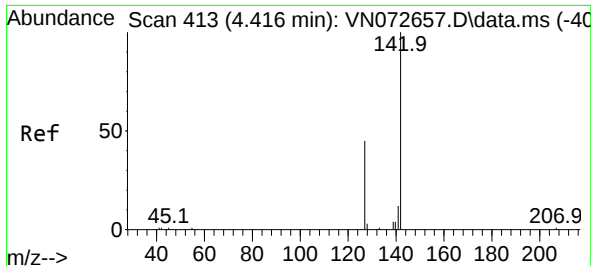
Tgt Ion:101 Resp: 287779  
Ion Ratio Lower Upper  
101 100  
85 47.5 0.0 94.0  
151 69.4 0.0 74.6



#10  
1,1-Dichloroethene  
Concen: 107.926 ug/l  
RT: 4.175 min Scan# 372  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 96 Resp: 271542  
Ion Ratio Lower Upper  
96 100  
61 177.9 126.2 189.4  
98 63.9 50.9 76.3

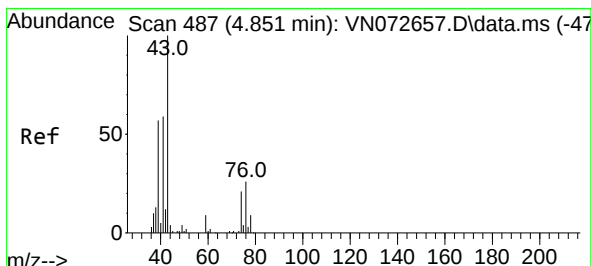
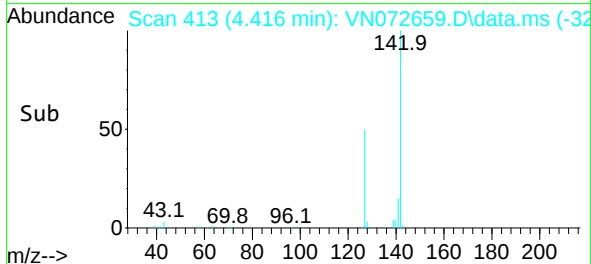
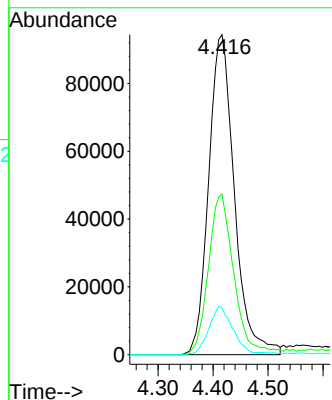
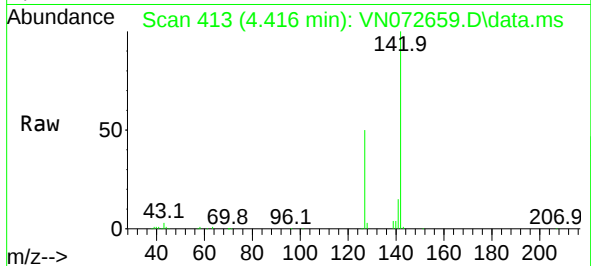




#11  
Methyl Iodide  
Concen: 123.487 ug/l  
RT: 4.416 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

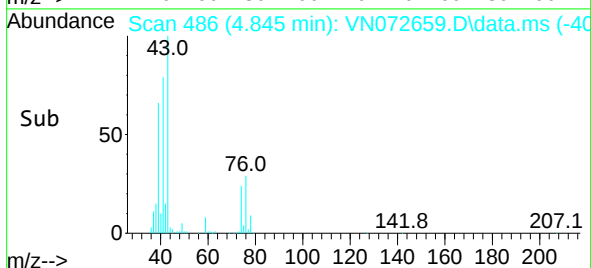
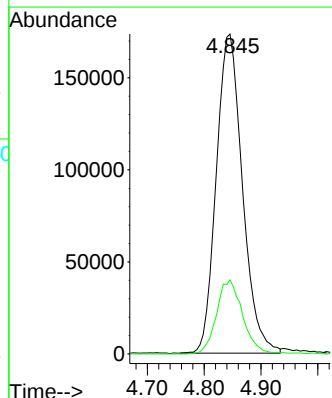
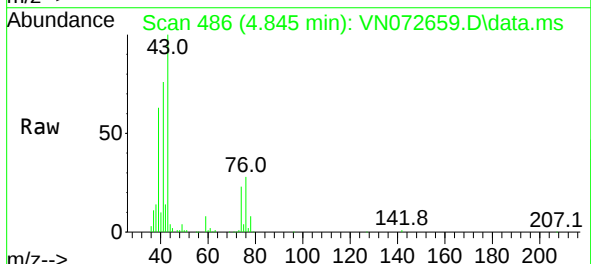
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

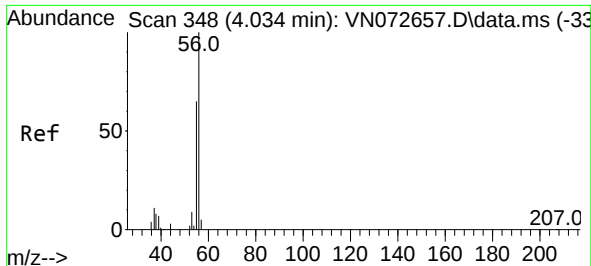
Tgt Ion:142 Resp: 306543  
Ion Ratio Lower Upper  
142 100  
127 50.0 24.0 72.0  
141 14.5 8.4 25.2



#12  
Methyl Acetate  
Concen: 109.501 ug/l  
RT: 4.845 min Scan# 486  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 43 Resp: 555053  
Ion Ratio Lower Upper  
43 100  
74 23.2 20.8 31.2

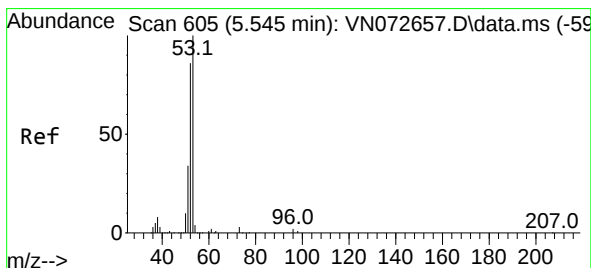
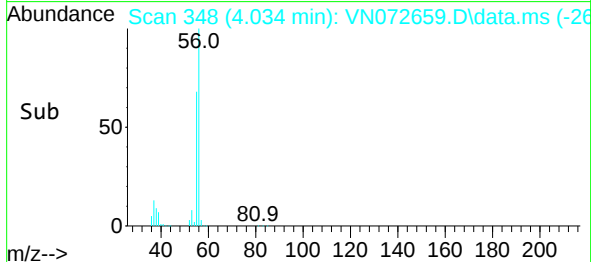
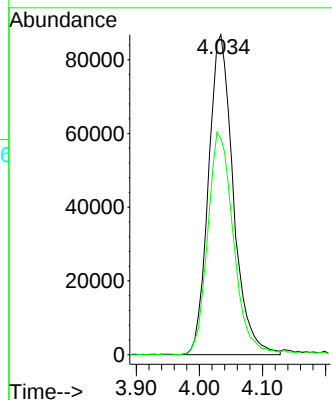
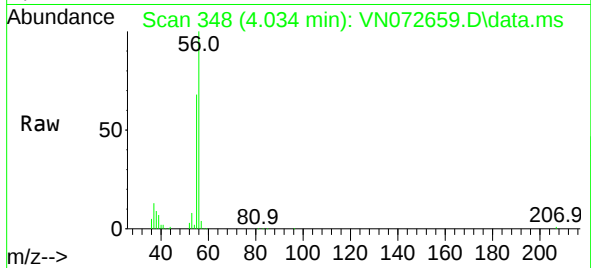




#13  
Acrolein  
Concen: 427.308 ug/l  
RT: 4.034 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

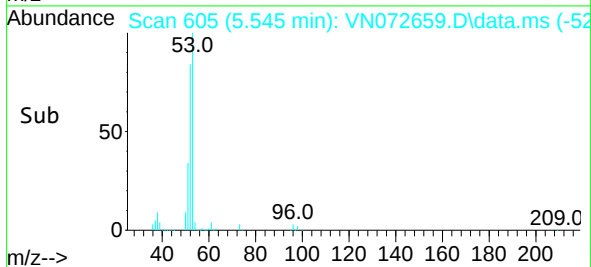
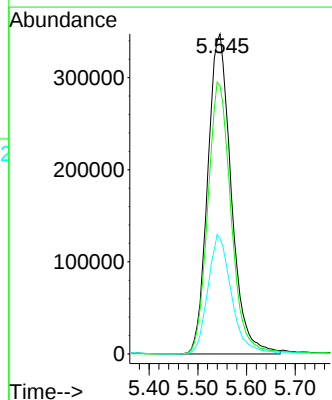
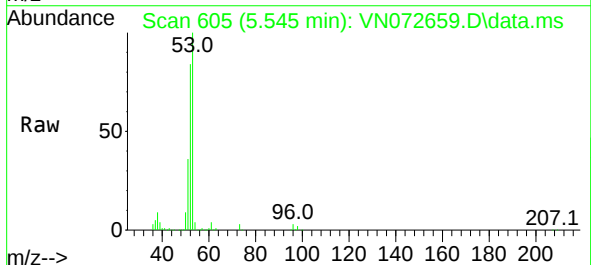
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

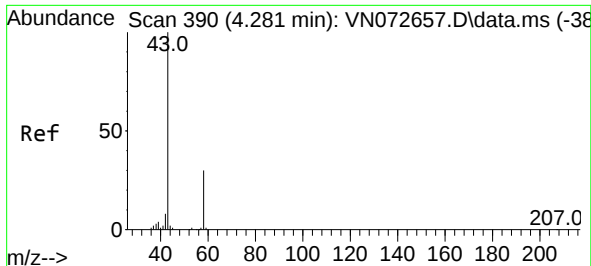
Tgt Ion: 56 Resp: 237139  
Ion Ratio Lower Upper  
56 100  
55 71.8 57.6 86.4



#14  
Acrylonitrile  
Concen: 539.743 ug/l  
RT: 5.545 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 53 Resp: 1166128  
Ion Ratio Lower Upper  
53 100  
52 84.0 41.8 125.4  
51 37.2 19.0 57.0

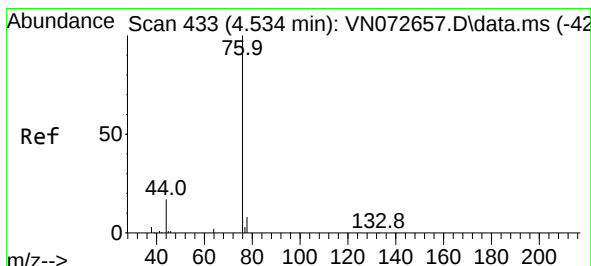
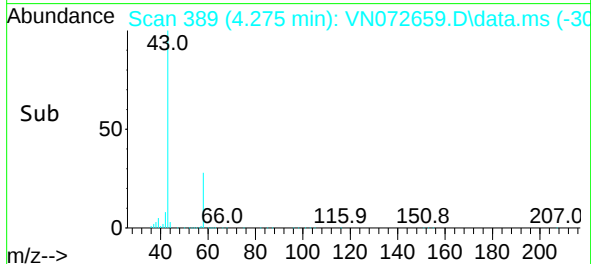
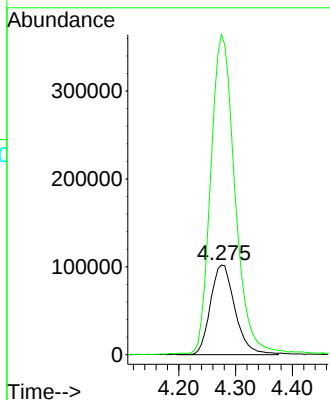
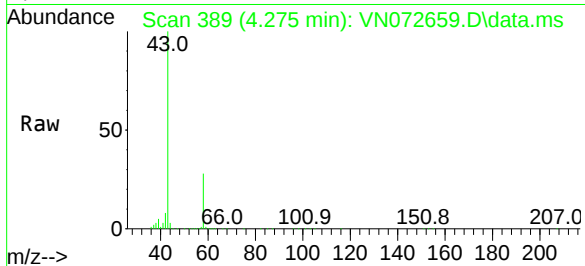




#15  
Acetone  
Concen: 546.858 ug/l  
RT: 4.275 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

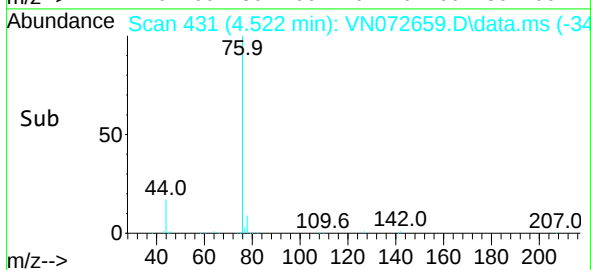
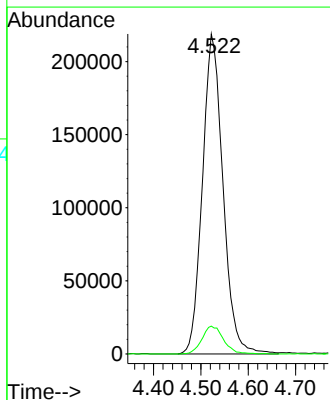
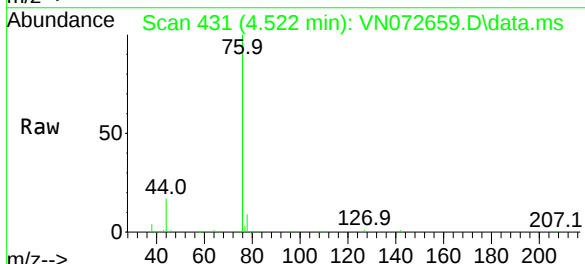
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

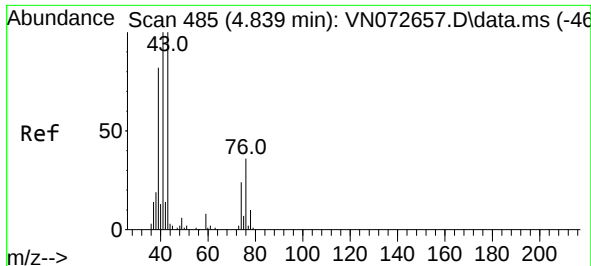
Tgt Ion: 58 Resp: 306208  
Ion Ratio Lower Upper  
58 100  
43 356.4 256.6 384.8



#16  
Carbon Disulfide  
Concen: 97.049 ug/l  
RT: 4.522 min Scan# 431  
Delta R.T. -0.012 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 76 Resp: 659397  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.8 11.8





#17

Allyl chloride

Concen: 112.269 ug/l

RT: 4.834 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

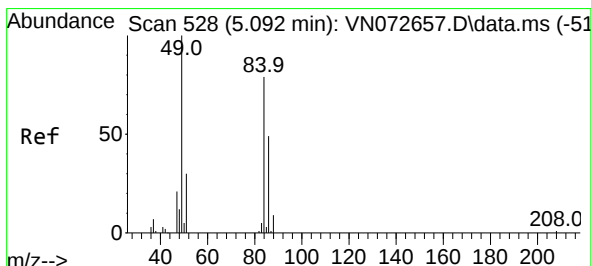
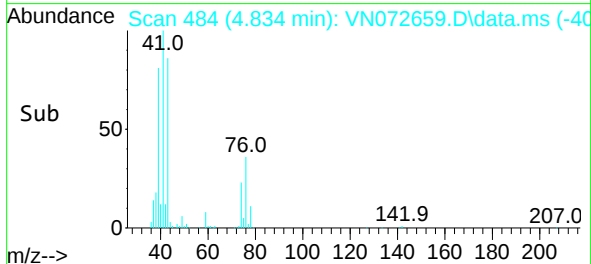
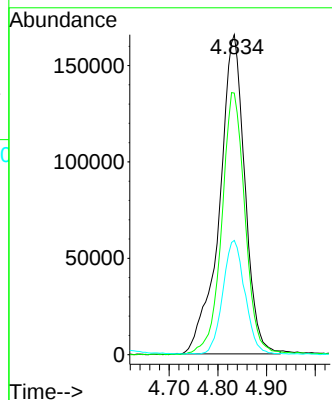
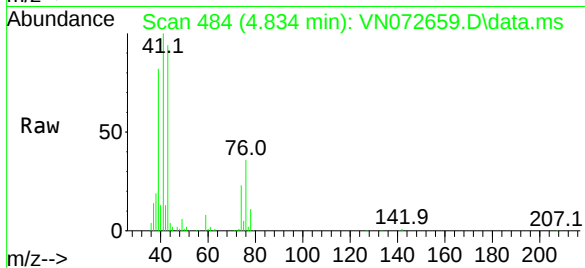
Tgt Ion: 41 Resp: 600705

Ion Ratio Lower Upper

41 100

39 81.8 44.6 134.0

76 35.5 19.6 58.7



#18

Methylene Chloride

Concen: 102.523 ug/l

RT: 5.087 min Scan# 527

Delta R.T. -0.006 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Tgt Ion: 84 Resp: 336696

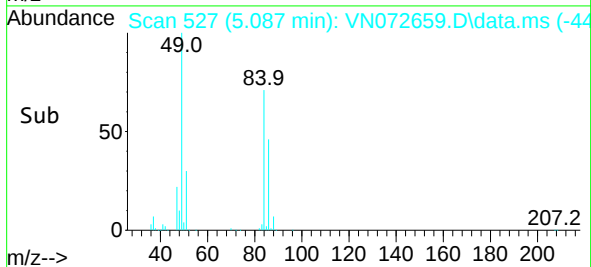
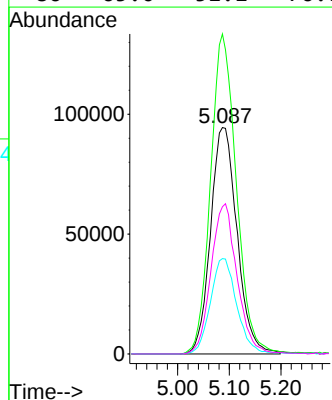
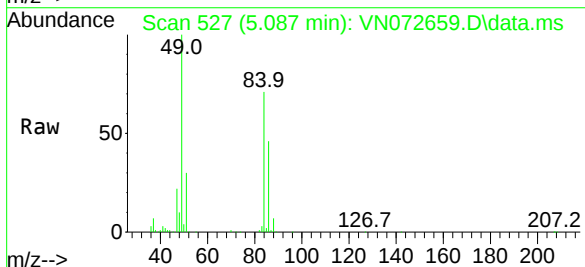
Ion Ratio Lower Upper

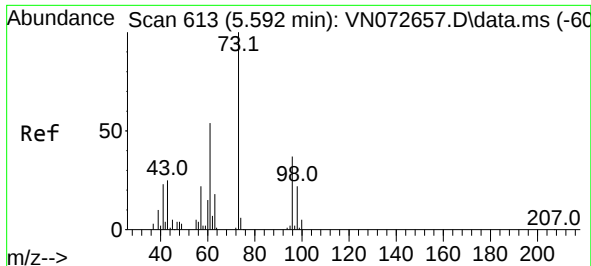
84 100

49 141.3 91.4 137.0#

51 42.1 29.4 44.0

86 65.0 51.1 76.7

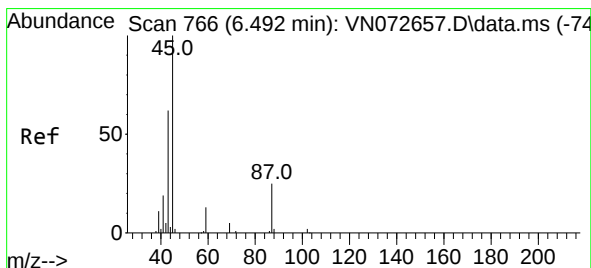
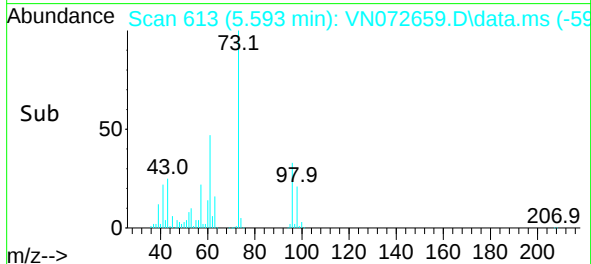
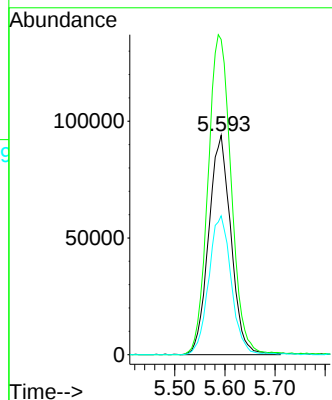
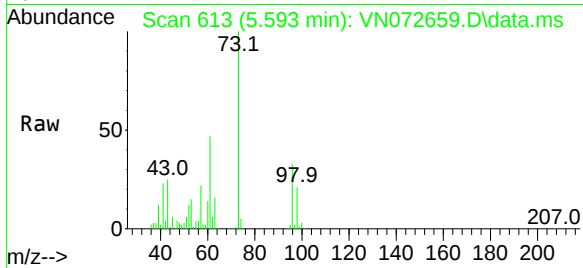




#19  
trans-1,2-Dichloroethene  
Concen: 105.471 ug/l  
RT: 5.593 min Scan# 613  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

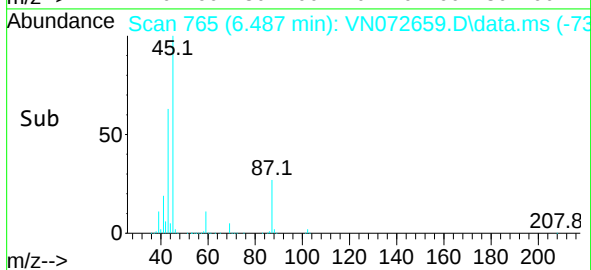
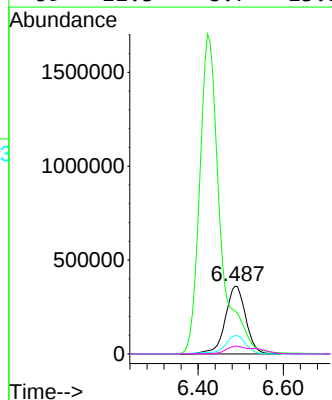
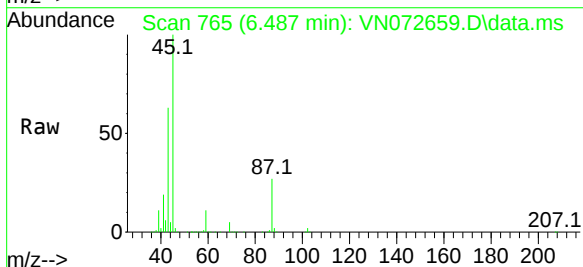
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

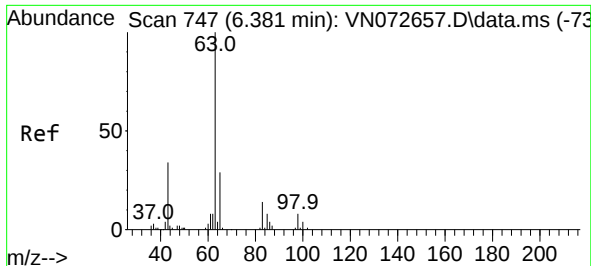
Tgt Ion: 96 Resp: 290307  
Ion Ratio Lower Upper  
96 100  
61 143.7 102.8 154.2  
98 63.4 49.3 73.9



#20  
Diisopropyl ether  
Concen: 99.439 ug/l  
RT: 6.487 min Scan# 765  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 45 Resp: 1203195  
Ion Ratio Lower Upper  
45 100  
43 62.6 51.0 76.4  
87 27.1 25.0 37.4  
59 11.3 8.7 13.1

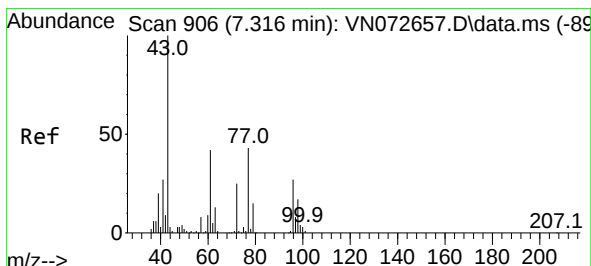
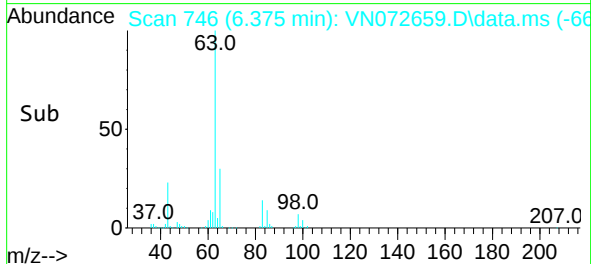
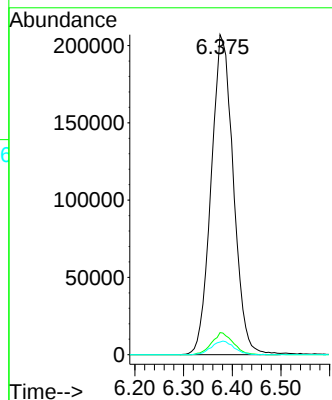
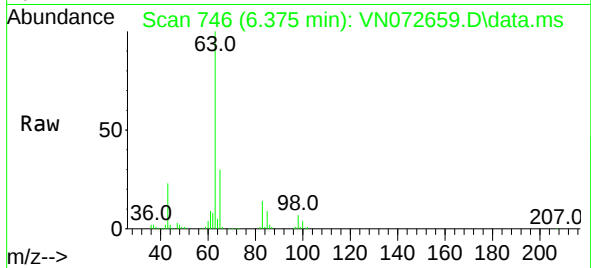




#21  
1,1-Dichloroethane  
Concen: 105.423 ug/l  
RT: 6.375 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

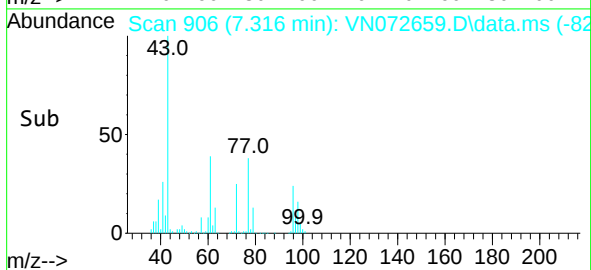
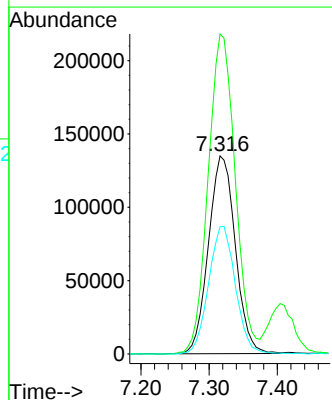
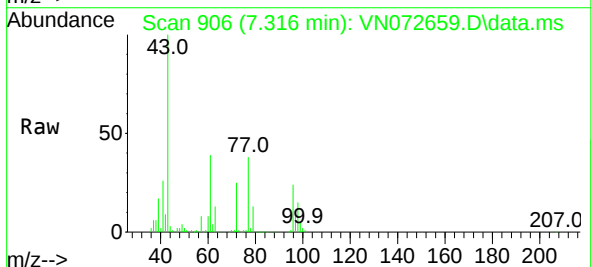
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

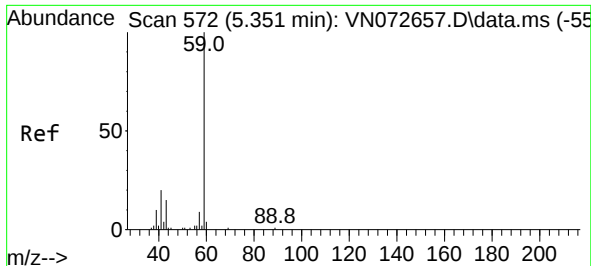
Tgt Ion: 63 Resp: 655208  
Ion Ratio Lower Upper  
63 100  
98 6.9 3.2 9.6  
100 3.9 2.1 6.2



#22  
cis-1,2-Dichloroethene  
Concen: 104.457 ug/l  
RT: 7.316 min Scan# 906  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 96 Resp: 369867  
Ion Ratio Lower Upper  
96 100  
61 163.5 115.7 173.5  
98 64.5 51.6 77.4

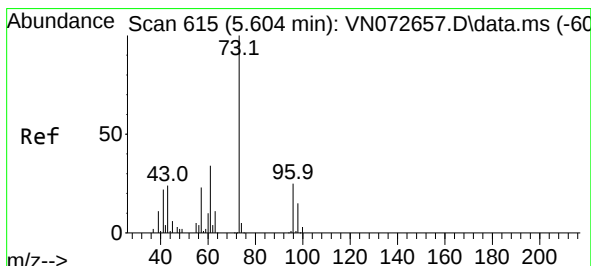
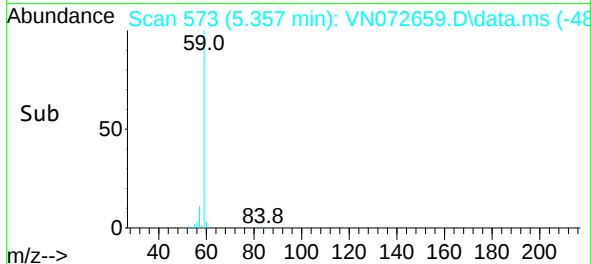
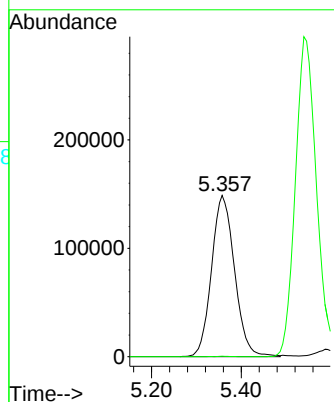
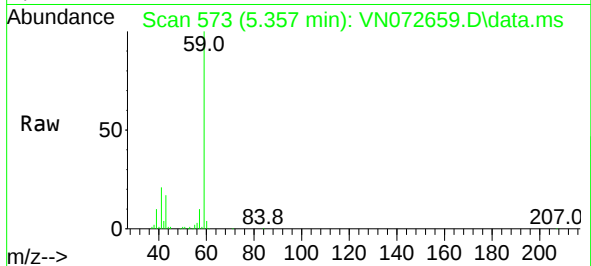




#23  
tert-Butyl Alcohol  
Concen: 658.321 ug/l  
RT: 5.357 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

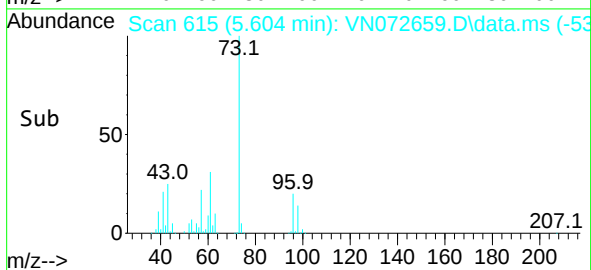
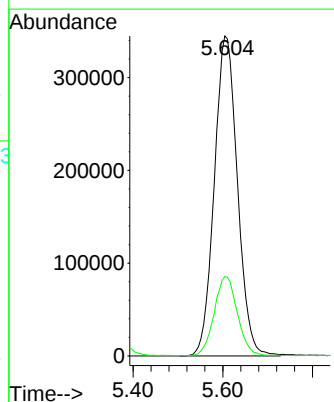
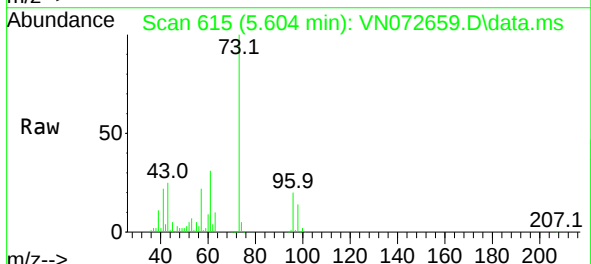
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

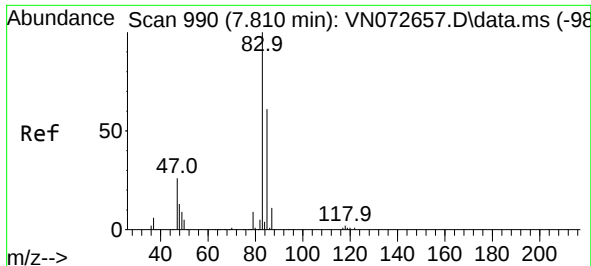
Tgt Ion: 59 Resp: 529707  
Ion Ratio Lower Upper  
59 100  
52 0.1 0.0 0.0#



#24  
Methyl tert-Butyl Ether  
Concen: 121.499 ug/l  
RT: 5.604 min Scan# 615  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 73 Resp: 1236791  
Ion Ratio Lower Upper  
73 100  
43 24.7 18.1 27.1

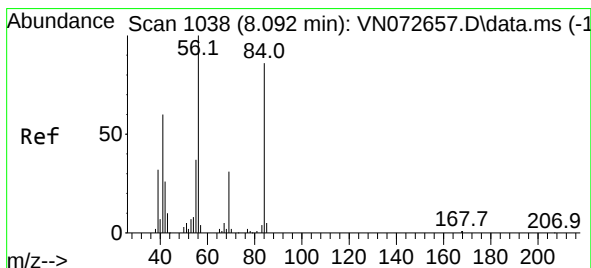
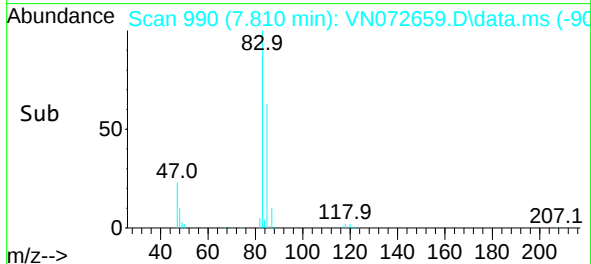
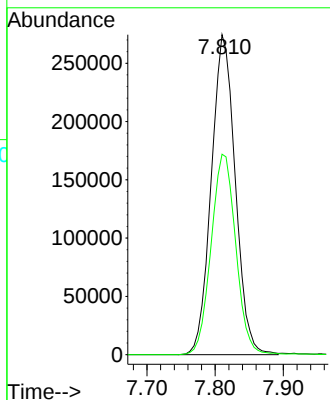
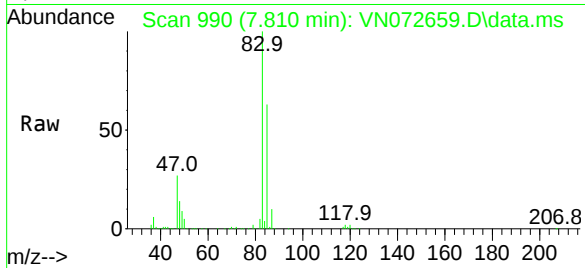




#25  
Chloroform  
Concen: 105.444 ug/l  
RT: 7.810 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

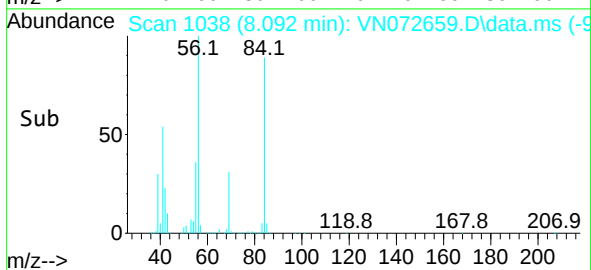
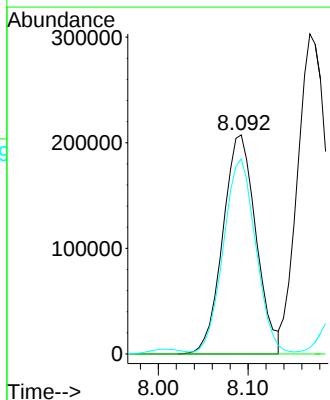
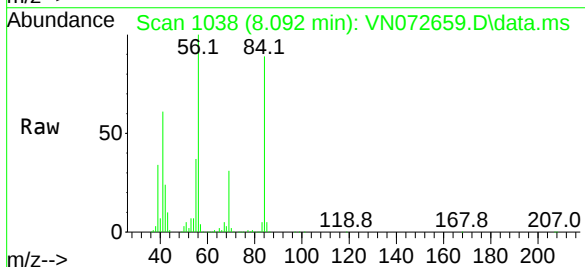
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

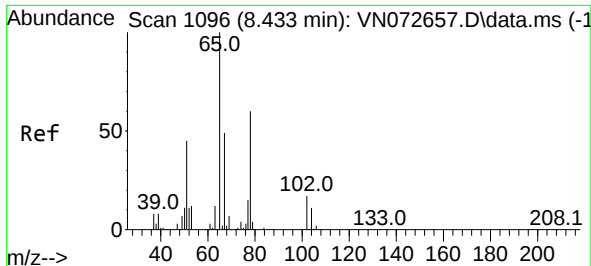
Tgt Ion: 83 Resp: 673134  
Ion Ratio Lower Upper  
83 100  
85 62.7 51.3 76.9



#26  
Cyclohexane  
Concen: 92.078 ug/l  
RT: 8.092 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 56 Resp: 533254  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.1 0.1#  
84 87.4 74.6 111.8





#27

1,2-Dichloroethane-d4

Concen: 33.485 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. 0.000 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Instrument :

MSVOA\_N

ClientSampleId :

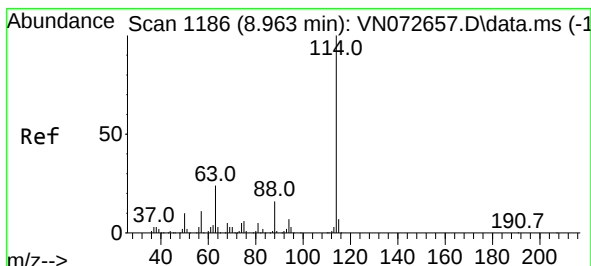
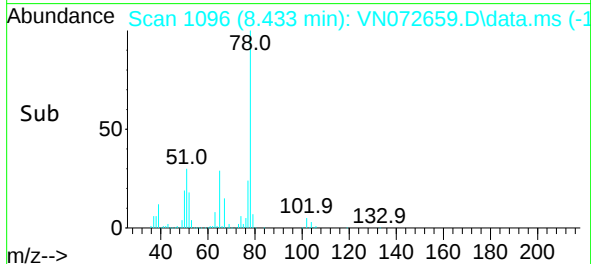
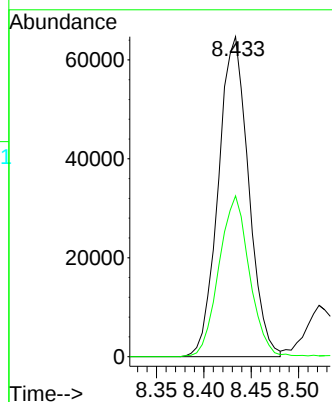
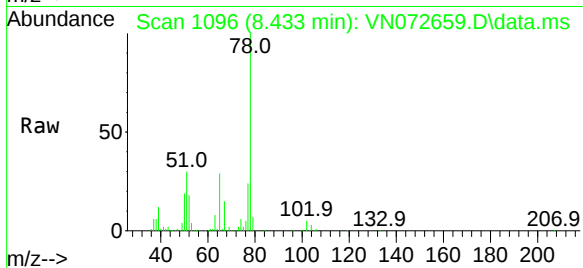
VSTDIC100

Tgt Ion: 65 Resp: 143576

Ion Ratio Lower Upper

65 100

67 50.6 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

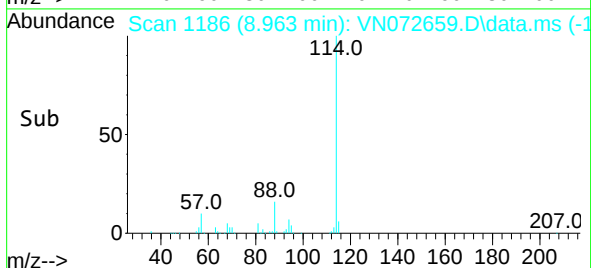
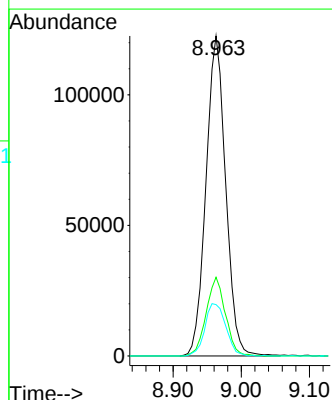
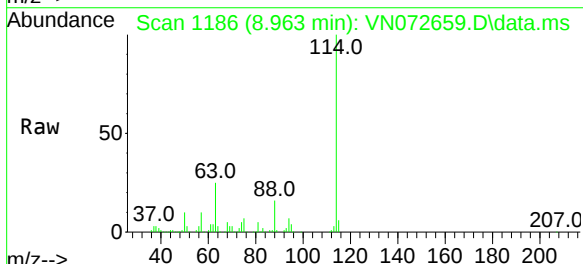
Tgt Ion: 114 Resp: 246276

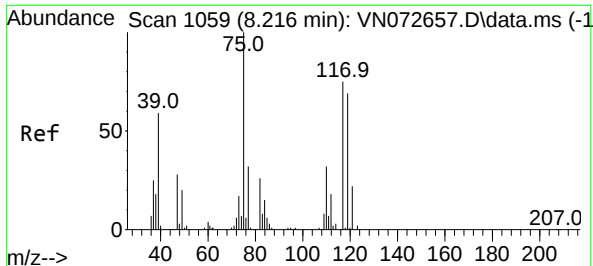
Ion Ratio Lower Upper

114 100

63 24.1 15.8 23.6#

88 17.4 11.6 17.4





#29

1,1-Dichloropropene

Concen: 103.482 ug/l

RT: 8.216 min Scan# 1059

Delta R.T. 0.000 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

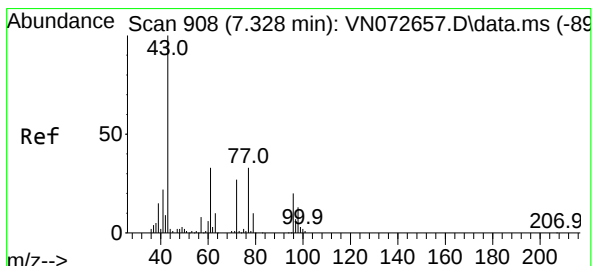
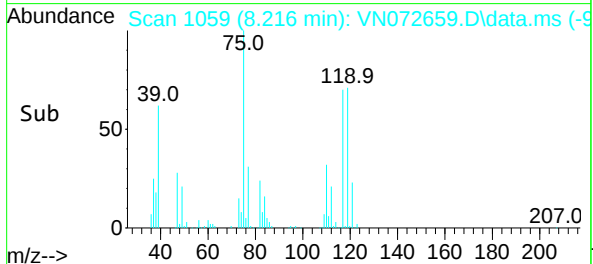
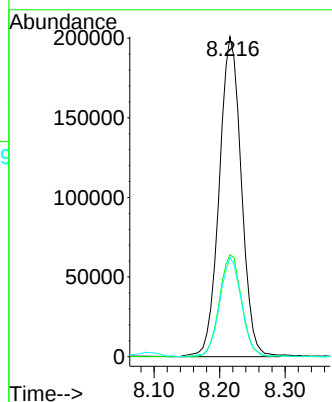
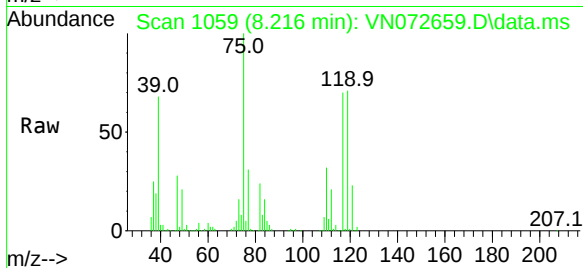
Tgt Ion: 75 Resp: 469240

Ion Ratio Lower Upper

75 100

110 31.9 0.0 74.2

77 30.7 0.0 63.2



#30

2-Butanone

Concen: 549.355 ug/l

RT: 7.328 min Scan# 908

Delta R.T. 0.000 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

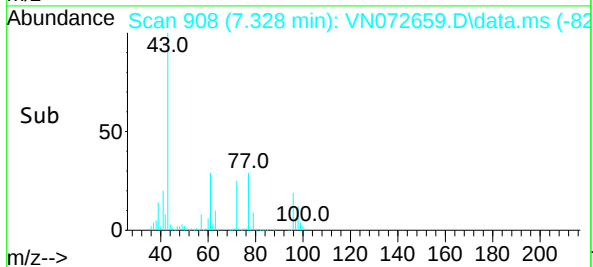
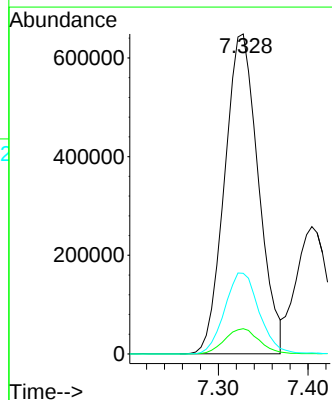
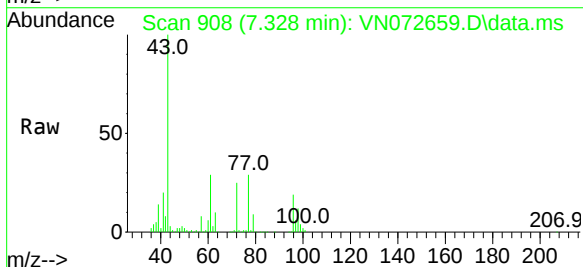
Tgt Ion: 43 Resp: 1694608

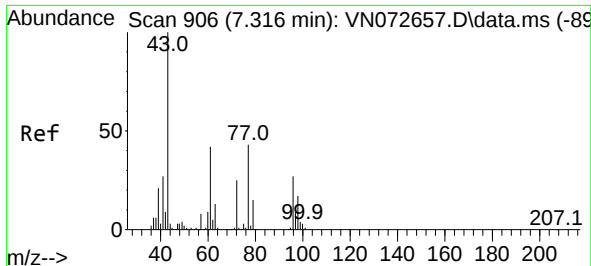
Ion Ratio Lower Upper

43 100

57 8.1 6.7 10.1

72 25.9 23.2 34.8

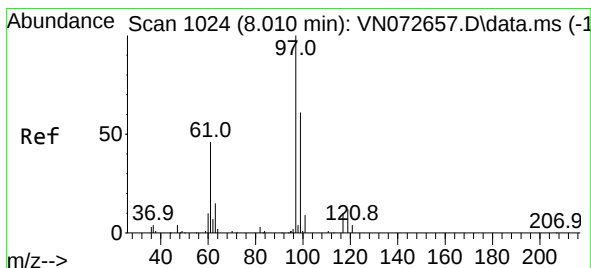
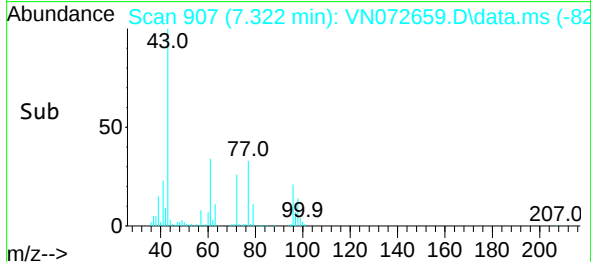
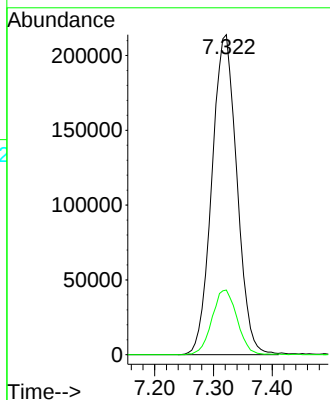
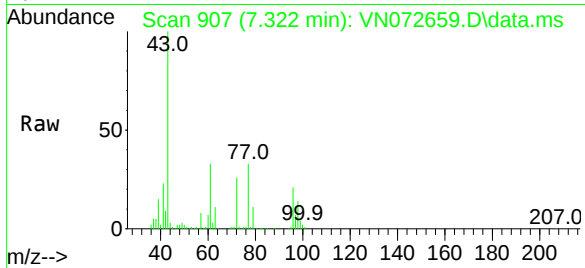




#31  
2,2-Dichloropropane  
Concen: 129.578 ug/l  
RT: 7.322 min Scan# 906  
Delta R.T. 0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

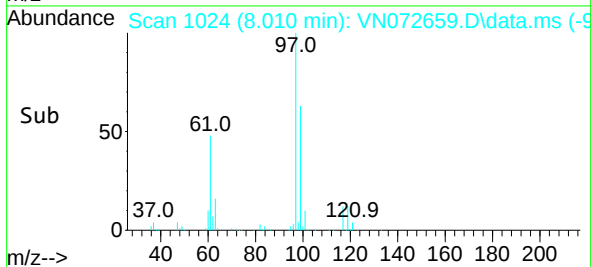
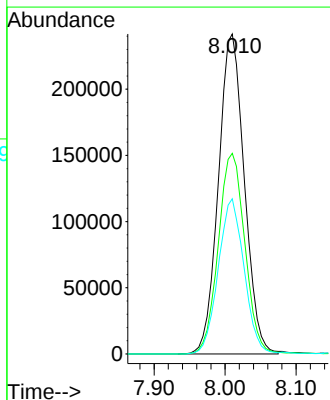
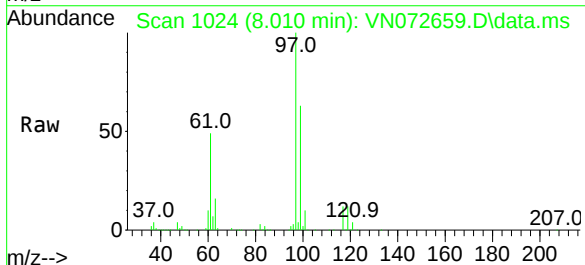
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

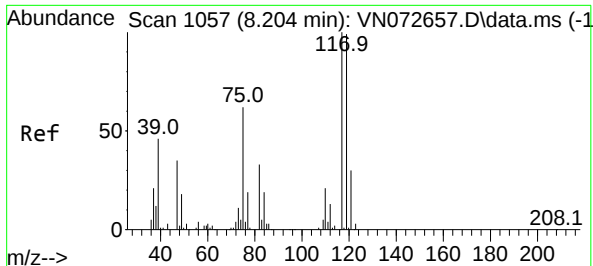
Tgt Ion: 77 Resp: 632795  
Ion Ratio Lower Upper  
77 100  
97 20.2 18.3 27.5



#32  
1,1,1-Trichloroethane  
Concen: 117.420 ug/l  
RT: 8.010 min Scan# 1024  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 97 Resp: 612611  
Ion Ratio Lower Upper  
97 100  
99 64.1 50.4 75.6  
61 48.2 34.6 51.8

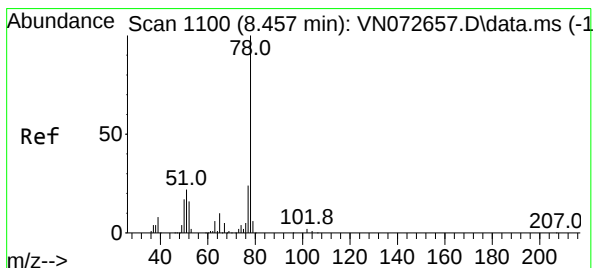
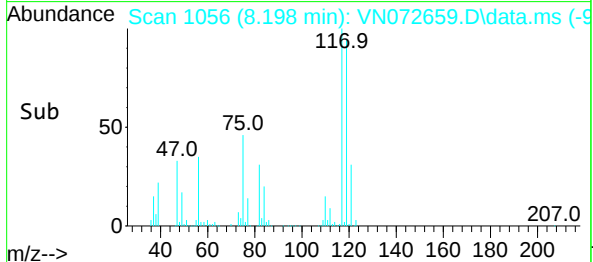
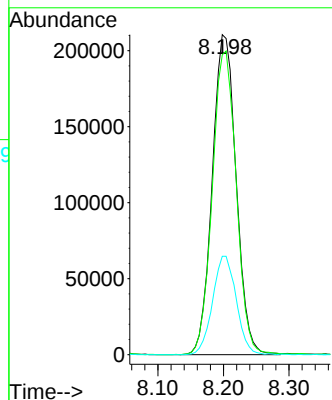
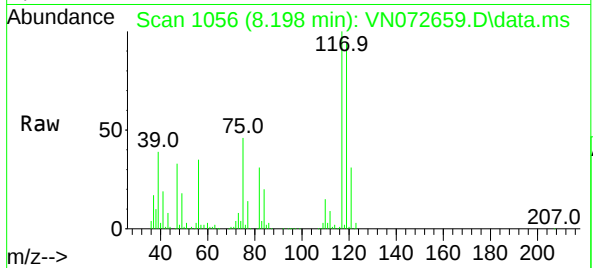




#33  
Carbon Tetrachloride  
Concen: 115.459 ug/l  
RT: 8.198 min Scan# 1098  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

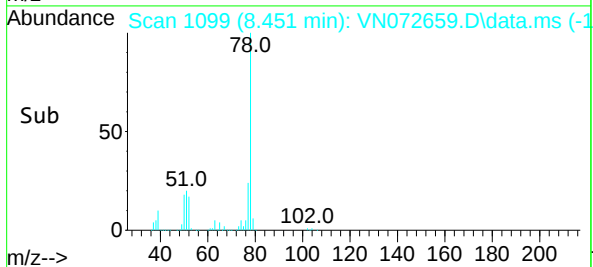
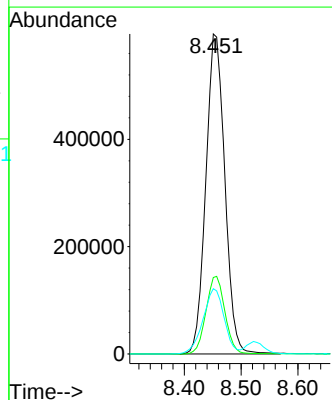
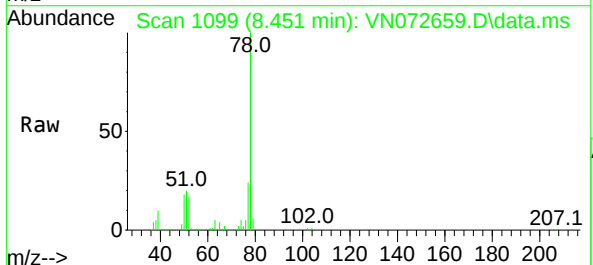
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

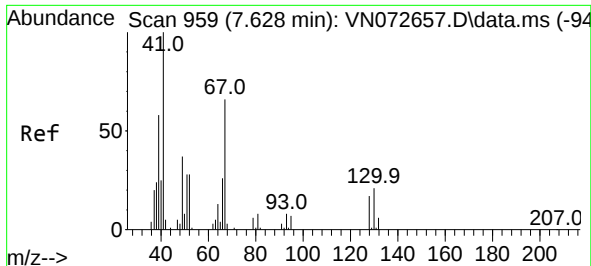
Tgt Ion:117 Resp: 532396  
Ion Ratio Lower Upper  
117 100  
119 93.7 77.5 116.3  
121 30.8 23.5 35.3



#34  
Benzene  
Concen: 97.930 ug/l  
RT: 8.451 min Scan# 1099  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 78 Resp: 1381578  
Ion Ratio Lower Upper  
78 100  
77 23.9 19.1 28.7  
51 20.2 16.0 24.0



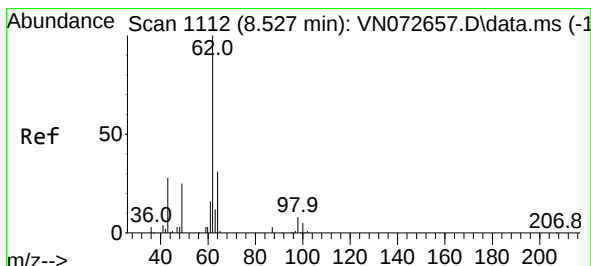
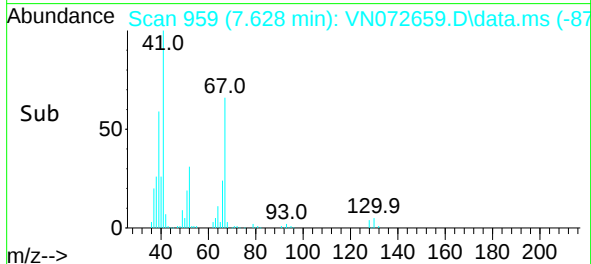
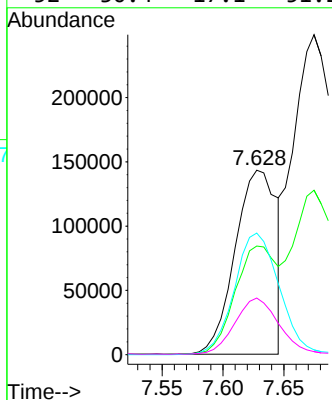
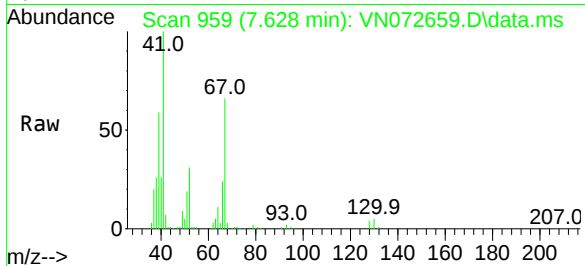


#35  
Methacrylonitrile  
Concen: 106.873 ug/l  
RT: 7.628 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tgt Ion: 41 Resp: 339049

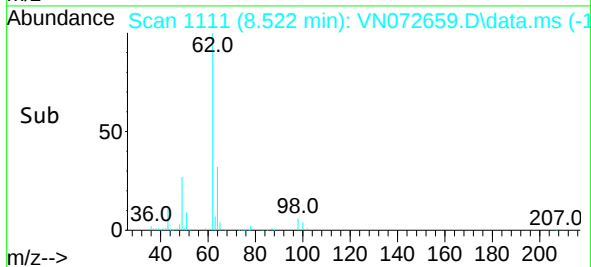
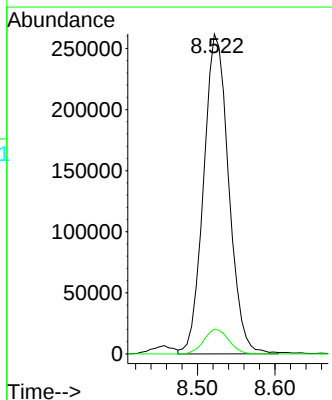
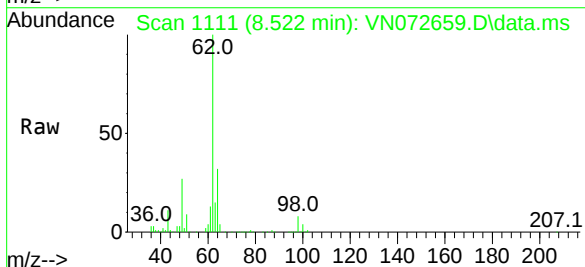
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 58.8  | 28.0  | 83.9  |
| 67  | 66.0  | 37.7  | 113.1 |
| 52  | 30.4  | 17.1  | 51.2  |

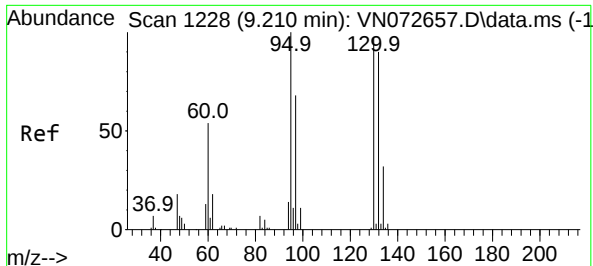


#36  
1,2-Dichloroethane  
Concen: 120.688 ug/l  
RT: 8.522 min Scan# 1111  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 62 Resp: 588421

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 7.8   | 6.6   | 10.0  |

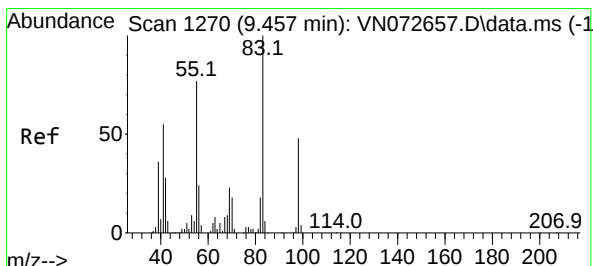
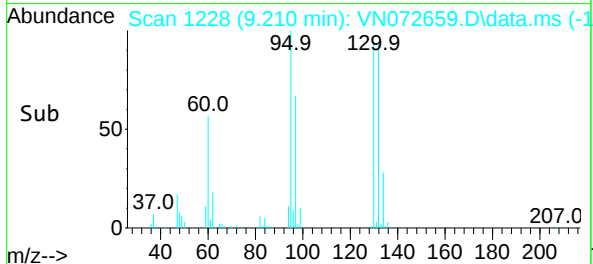
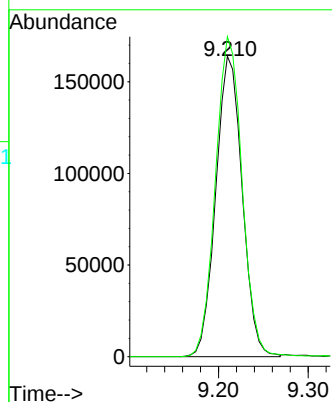
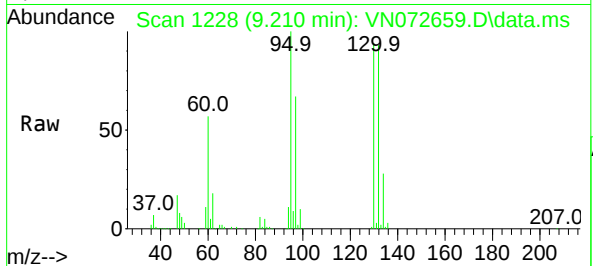




#37  
Trichloroethene  
Concen: 99.395 ug/l  
RT: 9.210 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

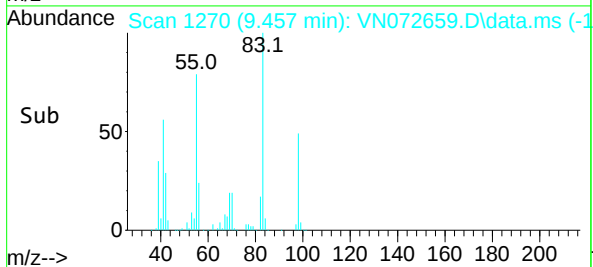
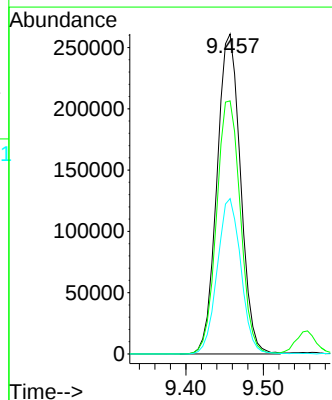
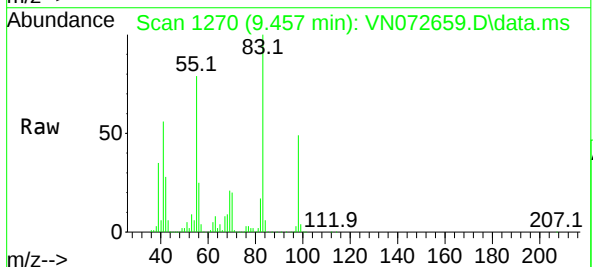
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

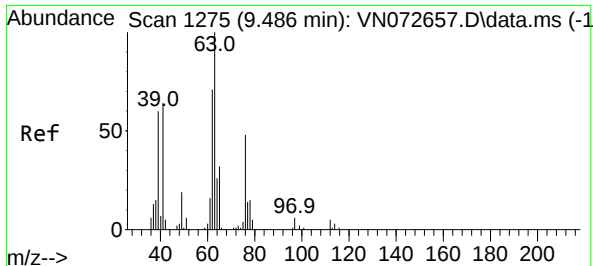
Tgt Ion:130 Resp: 334824  
Ion Ratio Lower Upper  
130 100  
95 106.5 76.6 115.0



#38  
Methylcyclohexane  
Concen: 98.453 ug/l  
RT: 9.457 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 83 Resp: 551253  
Ion Ratio Lower Upper  
83 100  
55 80.0 35.1 105.3  
98 48.8 23.4 70.2





#39

1,2-Dichloropropane

Concen: 100.934 ug/l

RT: 9.486 min Scan# 1275

Delta R.T. 0.000 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Instrument :

MSVOA\_N

ClientSampleId :

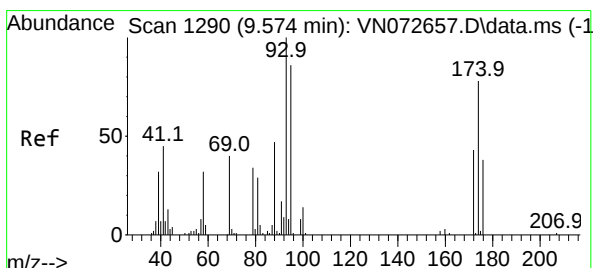
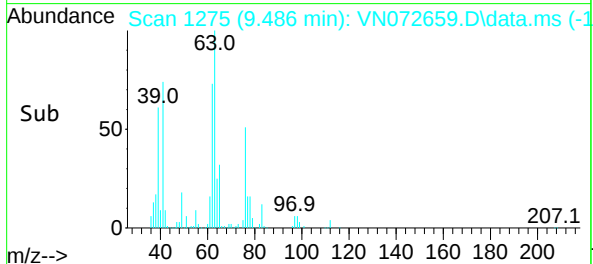
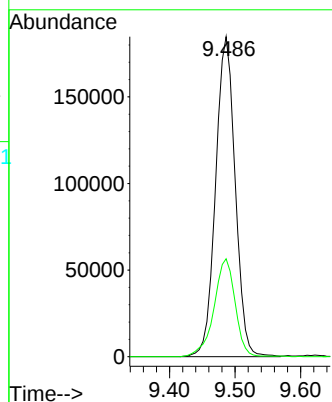
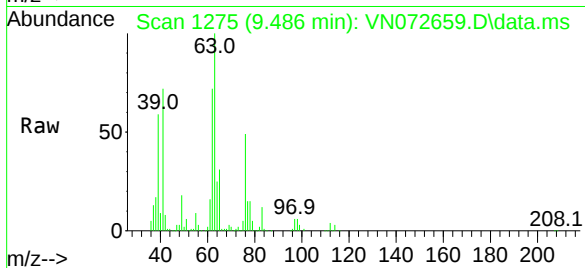
VSTDICC100

Tgt Ion: 63 Resp: 382222

Ion Ratio Lower Upper

63 100

65 30.6 24.2 36.4



#40

Dibromomethane

Concen: 108.277 ug/l

RT: 9.575 min Scan# 1290

Delta R.T. 0.000 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

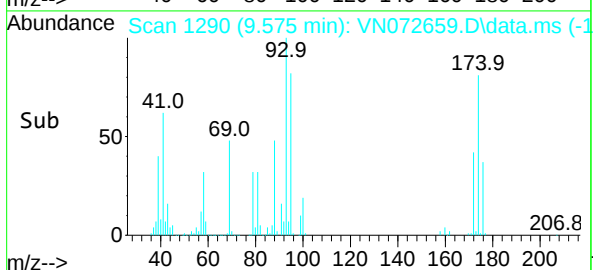
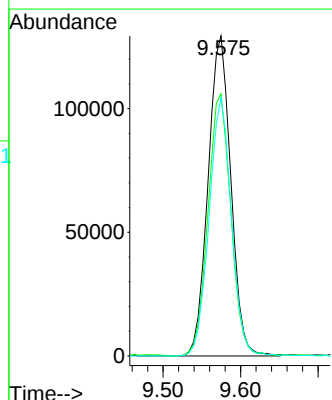
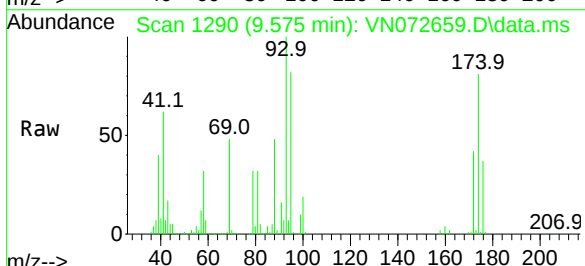
Tgt Ion: 93 Resp: 264212

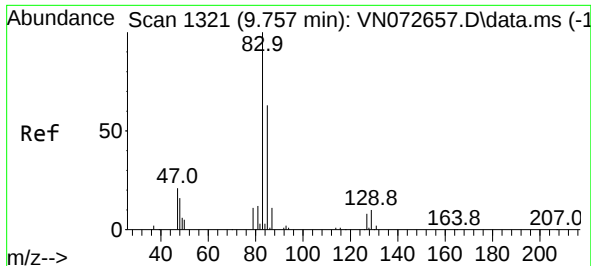
Ion Ratio Lower Upper

93 100

95 82.3 0.0 168.8

174 78.9 0.0 173.6

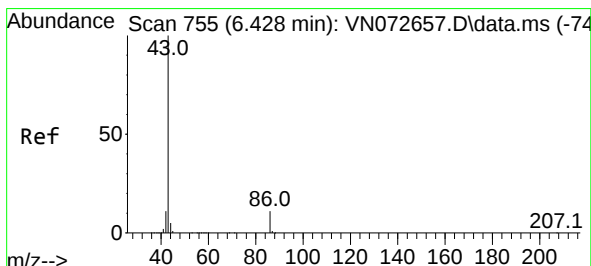
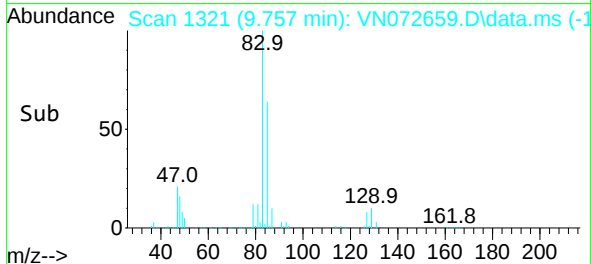
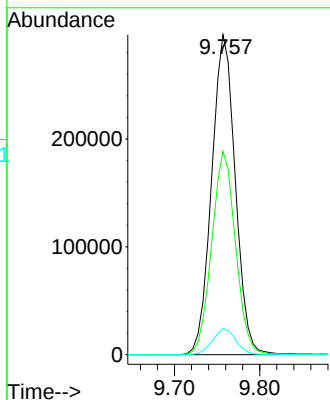
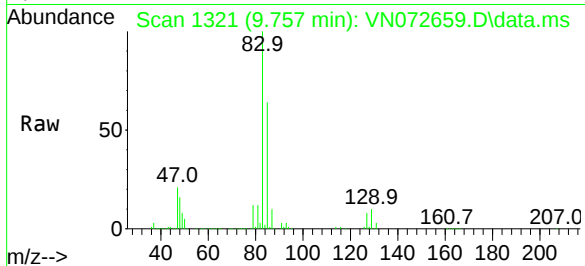




#41  
Bromodichloromethane  
Concen: 114.670 ug/l  
RT: 9.757 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

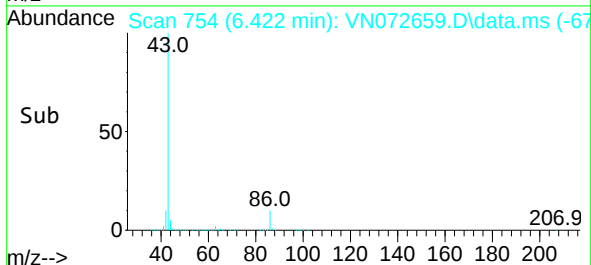
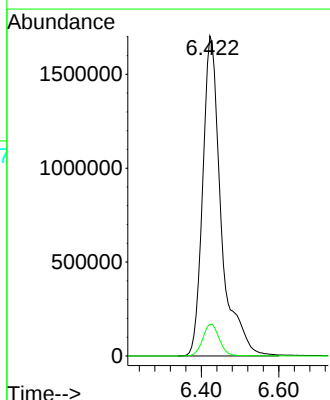
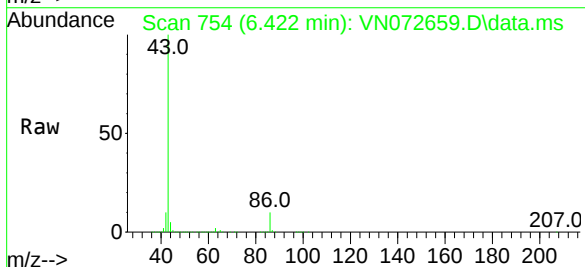
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

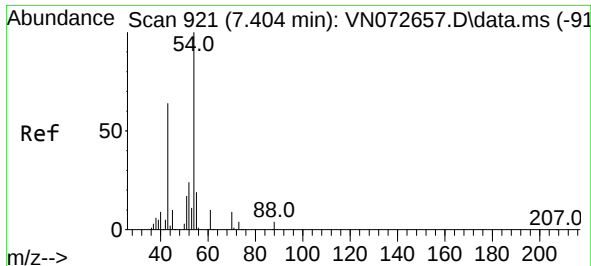
Tgt Ion: 83 Resp: 571793  
Ion Ratio Lower Upper  
83 100  
85 63.6 54.1 81.1  
127 8.2 7.6 11.4



#42  
Vinyl Acetate  
Concen: 555.430 ug/l  
RT: 6.422 min Scan# 754  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 43 Resp: 5621198  
Ion Ratio Lower Upper  
43 100  
86 9.0 7.5 11.3

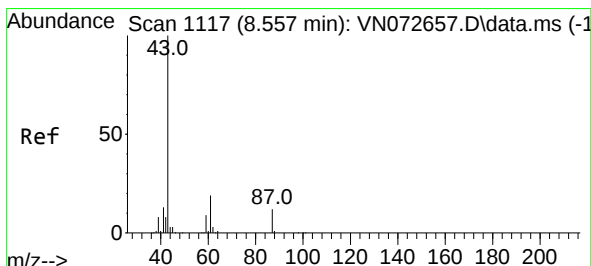
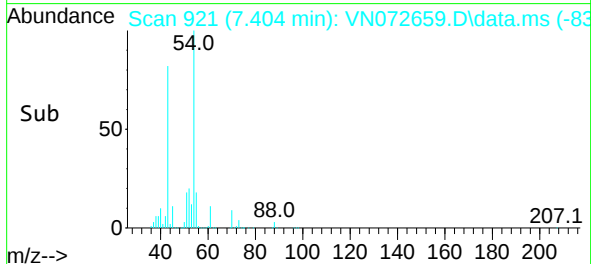
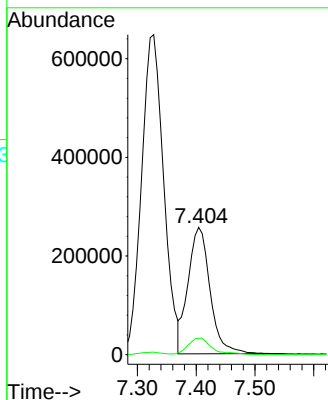
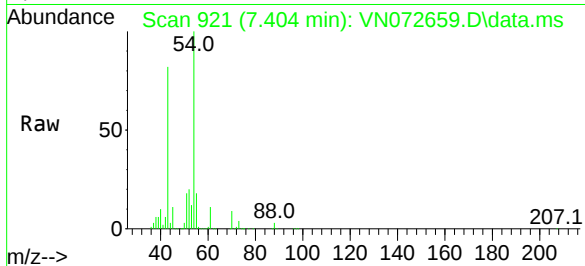




#43  
Ethyl Acetate  
Concen: 110.890 ug/l  
RT: 7.404 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

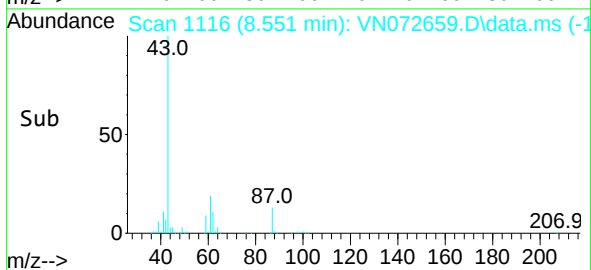
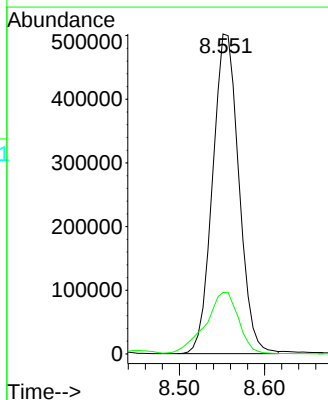
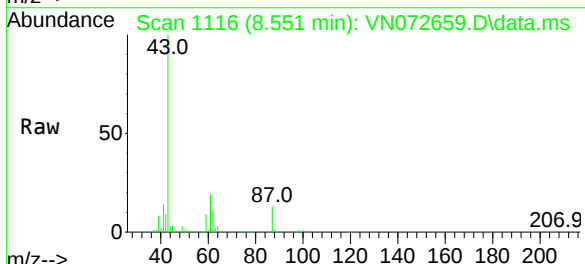
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

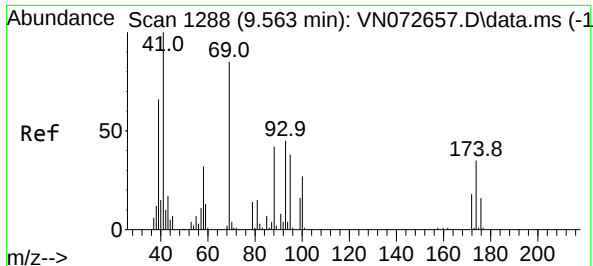
Tgt Ion: 43 Resp: 666756  
Ion Ratio Lower Upper  
43 100  
45 14.2 10.6 16.0



#44  
Isopropyl Acetate  
Concen: 113.872 ug/l  
RT: 8.551 min Scan# 1116  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 43 Resp: 1075993  
Ion Ratio Lower Upper  
43 100  
61 24.6 20.1 30.1

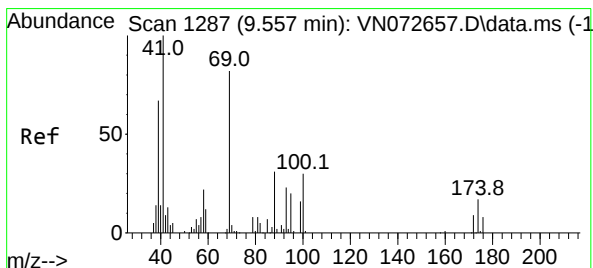
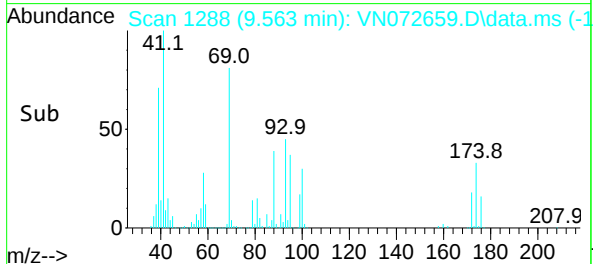
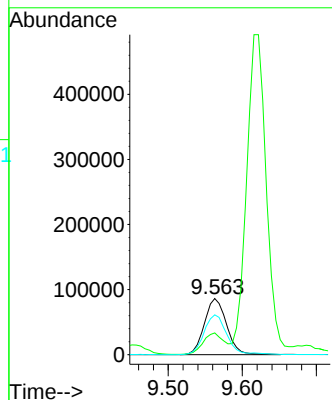
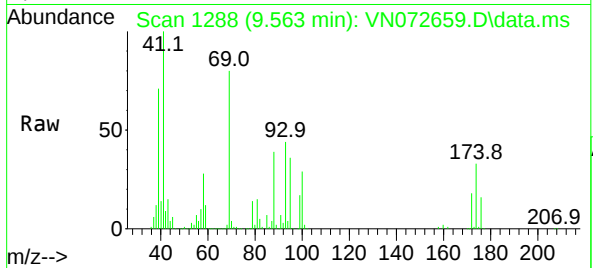




#45  
1,4-Dioxane  
Concen: 2267.152 ug/l  
RT: 9.563 min Scan# 1288  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

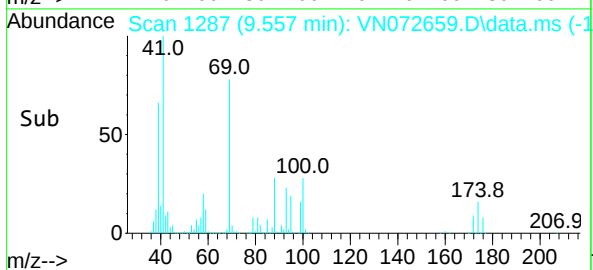
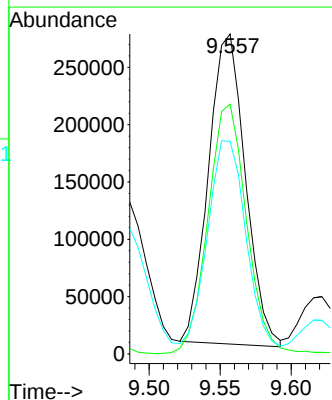
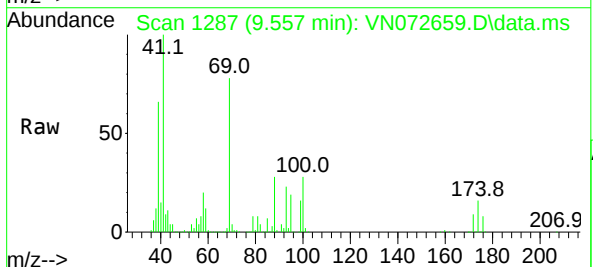
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

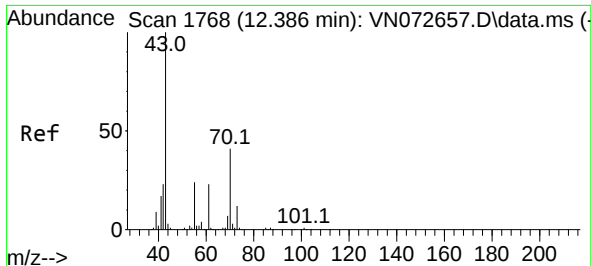
Tgt Ion: 88 Resp: 179417  
Ion Ratio Lower Upper  
88 100  
43 35.8 25.0 37.6  
58 71.5 49.4 74.2



#46  
Methyl methacrylate  
Concen: 110.017 ug/l  
RT: 9.557 min Scan# 1287  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 41 Resp: 487422  
Ion Ratio Lower Upper  
41 100  
69 79.4 44.4 133.2  
39 66.6 39.9 119.6

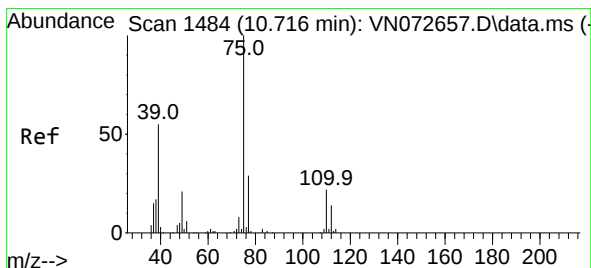
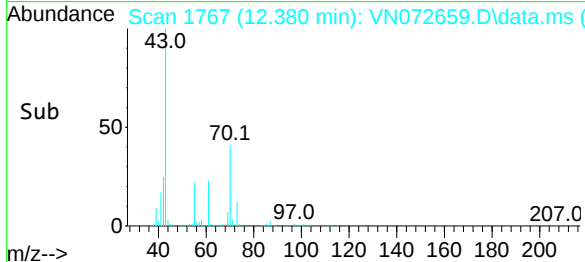
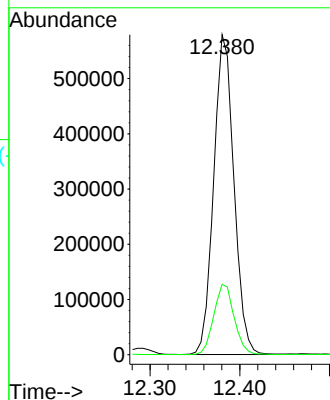
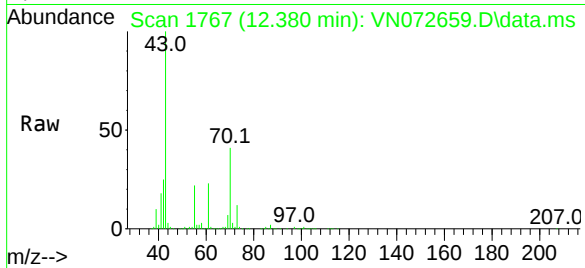




#47  
n-amy1 Acetate  
Concen: 131.469 ug/l  
RT: 12.380 min Scan# 1767  
Delta R.T. -0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

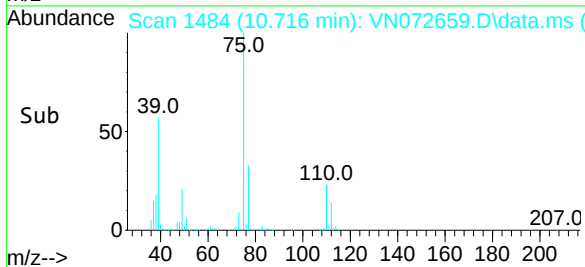
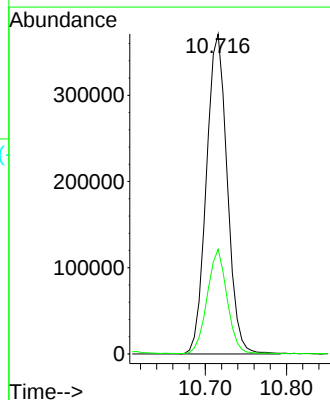
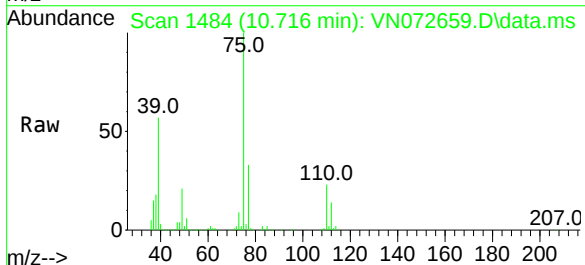
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

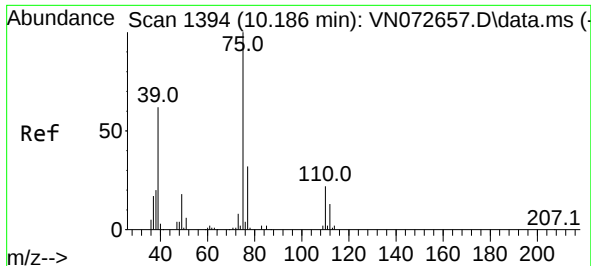
Tgt Ion: 43 Resp: 905667  
Ion Ratio Lower Upper  
43 100  
55 22.2 19.0 28.6



#48  
t-1,3-Dichloropropene  
Concen: 121.572 ug/l  
RT: 10.716 min Scan# 1484  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 75 Resp: 661702  
Ion Ratio Lower Upper  
75 100  
77 32.6 25.3 37.9





#49

cis-1,3-Dichloropropene

Concen: 114.262 ug/l

RT: 10.186 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

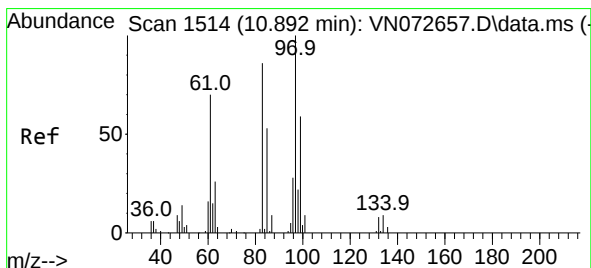
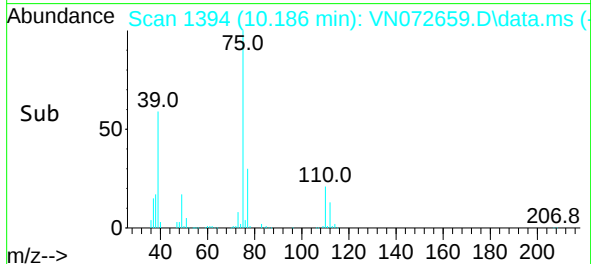
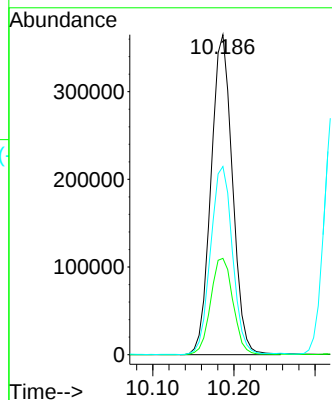
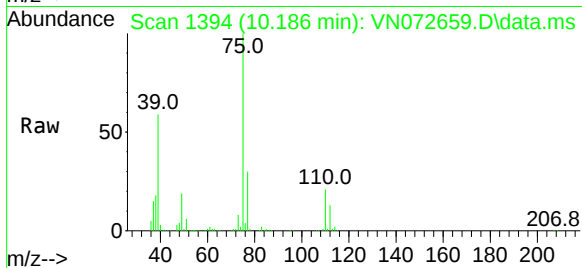
Tgt Ion: 75 Resp: 669059

Ion Ratio Lower Upper

75 100

77 30.1 25.3 37.9

39 58.7 46.2 69.4



#50

1,1,2-Trichloroethane

Concen: 103.780 ug/l

RT: 10.892 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Tgt Ion: 97 Resp: 369918

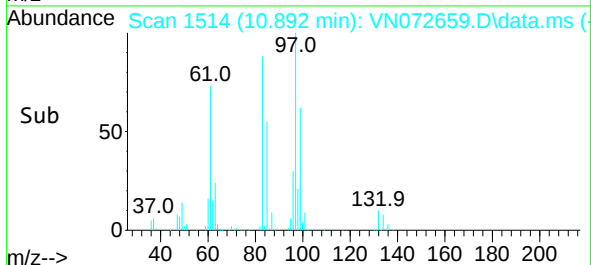
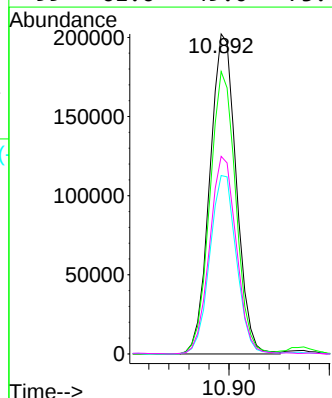
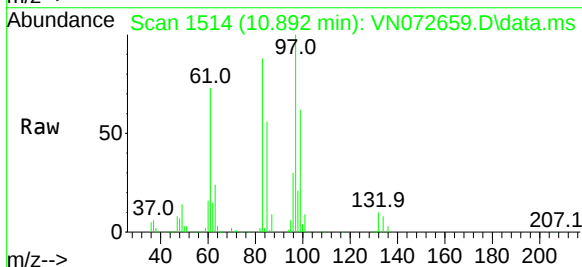
Ion Ratio Lower Upper

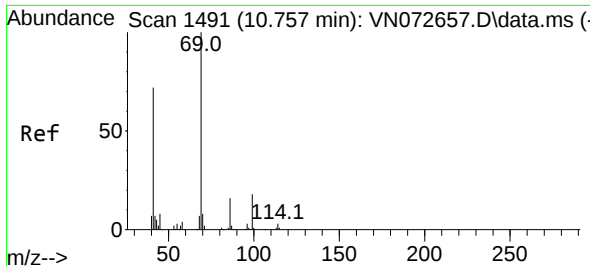
97 100

83 88.1 67.2 100.8

85 55.7 43.0 64.4

99 61.6 49.0 73.4

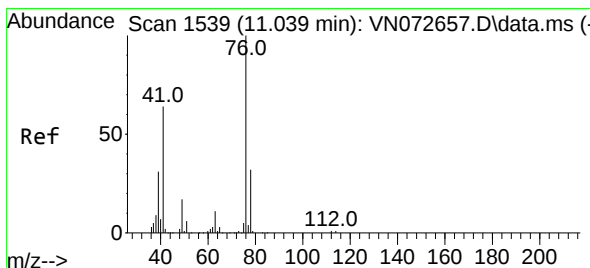
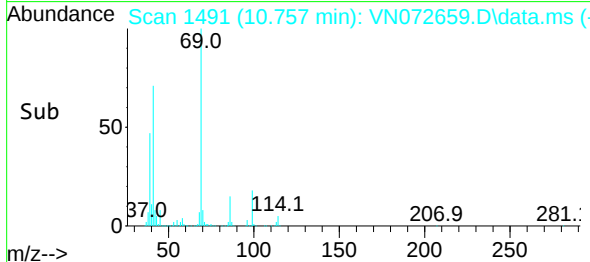
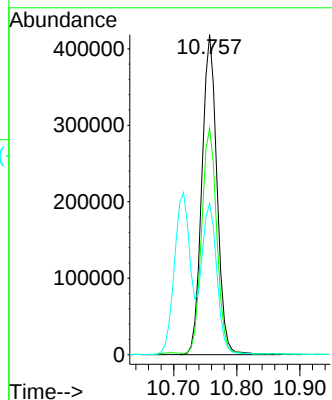
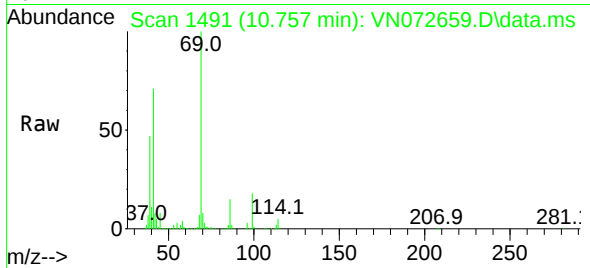




#51  
Ethyl methacrylate  
Concen: 113.588 ug/l  
RT: 10.757 min Scan# 1491  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

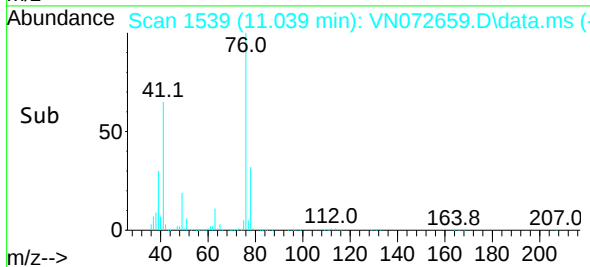
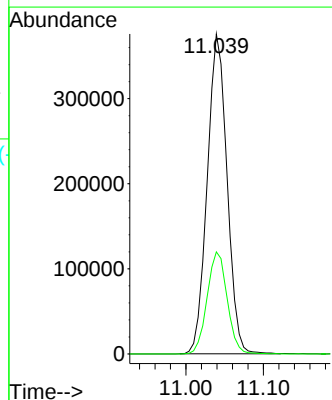
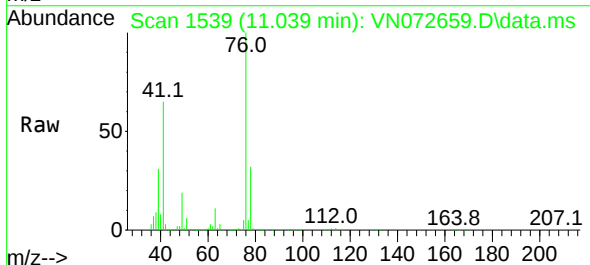
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

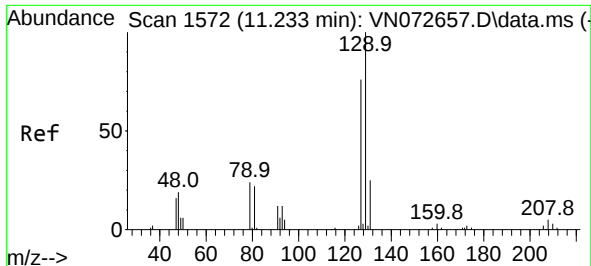
Tgt Ion: 69 Resp: 693726  
Ion Ratio Lower Upper  
69 100  
41 70.4 33.0 98.9  
39 47.0 25.4 76.4



#52  
1,3-Dichloropropane  
Concen: 105.622 ug/l  
RT: 11.039 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 76 Resp: 666897  
Ion Ratio Lower Upper  
76 100  
78 32.3 0.0 65.4

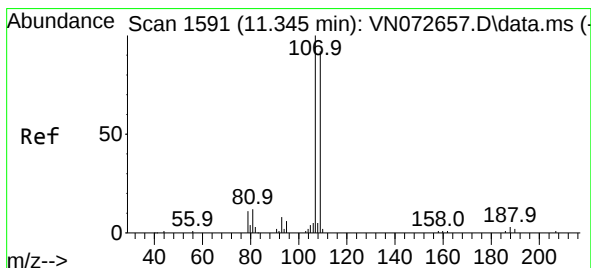
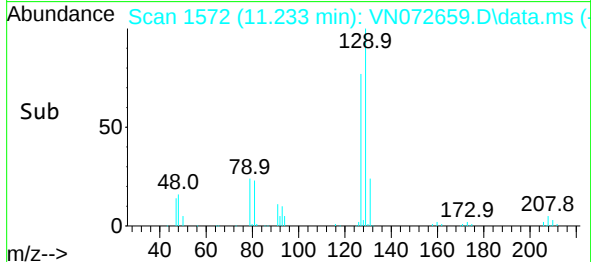
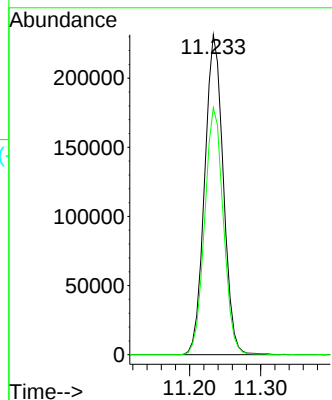
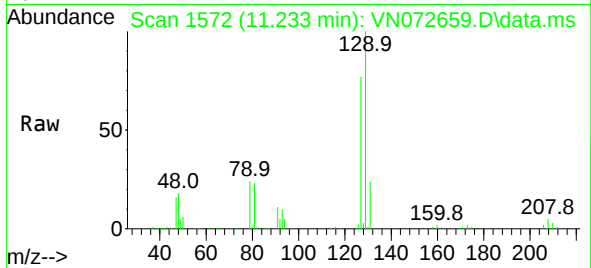




#53  
Dibromochloromethane  
Concen: 113.616 ug/l  
RT: 11.233 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

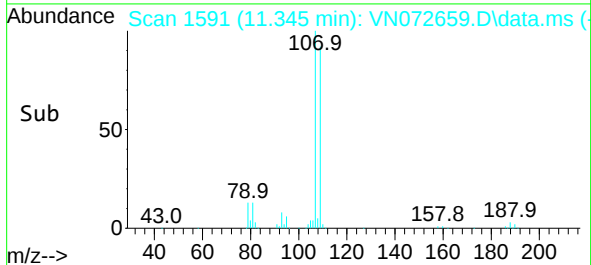
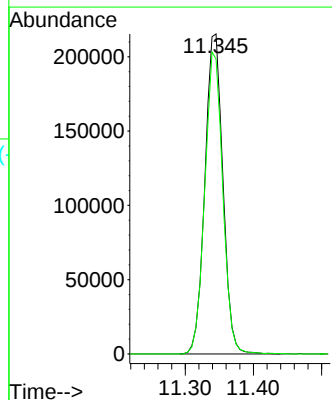
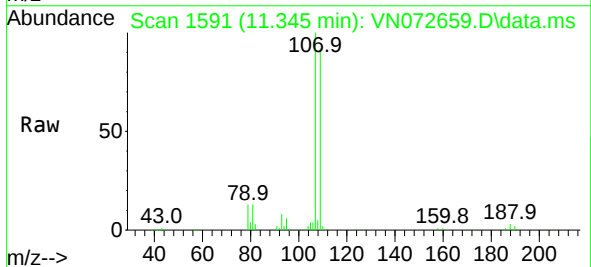
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

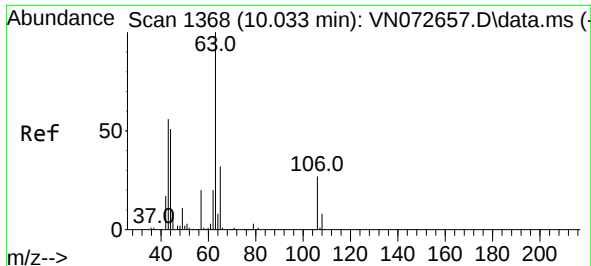
Tgt Ion:129 Resp: 421608  
Ion Ratio Lower Upper  
129 100  
127 77.7 39.0 117.0



#54  
1,2-Dibromoethane  
Concen: 107.700 ug/l  
RT: 11.345 min Scan# 1591  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion:107 Resp: 394770  
Ion Ratio Lower Upper  
107 100  
109 94.2 72.8 109.2

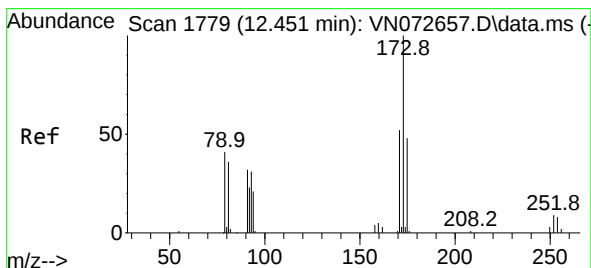
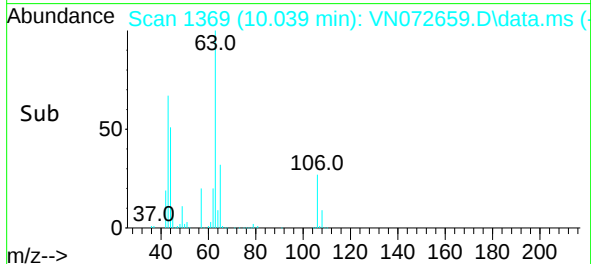
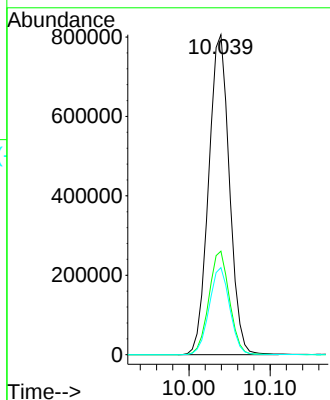
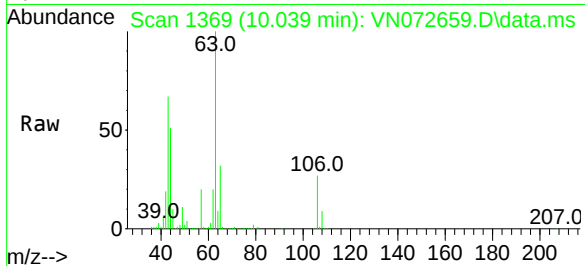




#55  
2-Chloroethyl vinyl ether  
Concen: 545.008 ug/l  
RT: 10.039 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

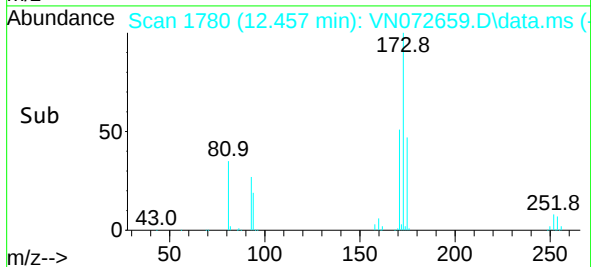
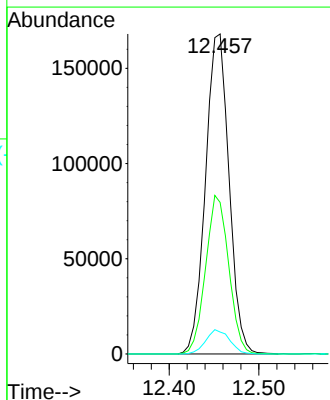
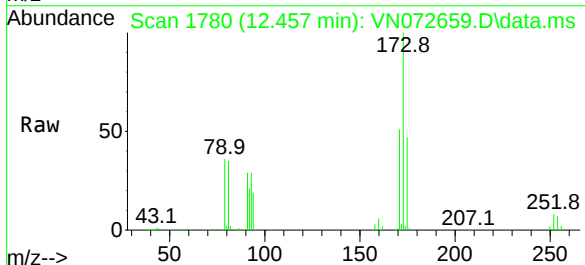
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MSVOA\_N  
ClientSampleId :  
VSTDIC100

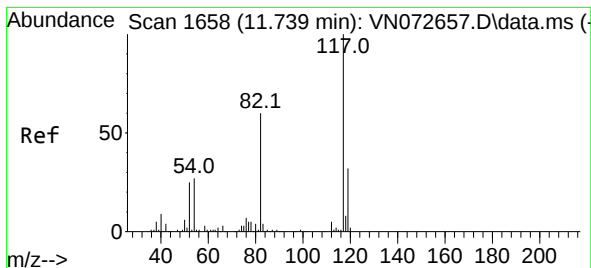
Tgt Ion: 63 Resp: 1431842  
Ion Ratio Lower Upper  
63 100  
65 32.0 25.4 38.0  
106 26.9 23.2 34.8



#56  
Bromoform  
Concen: 116.184 ug/l  
RT: 12.457 min Scan# 1780  
Delta R.T. 0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion:173 Resp: 306087  
Ion Ratio Lower Upper  
173 100  
175 48.7 38.6 58.0  
254 7.7 0.0 0.0#

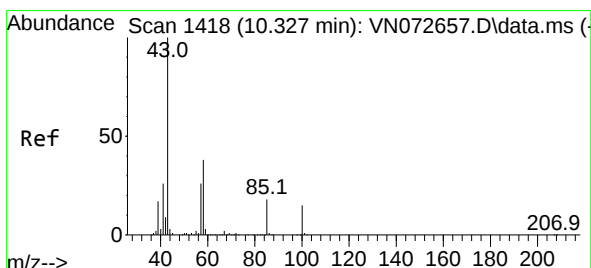
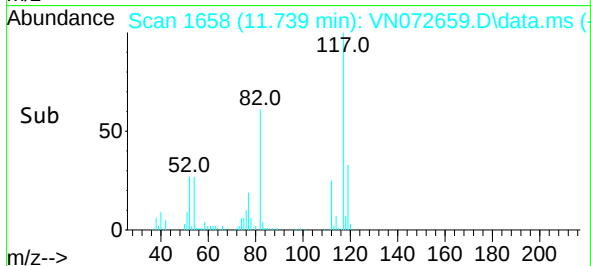
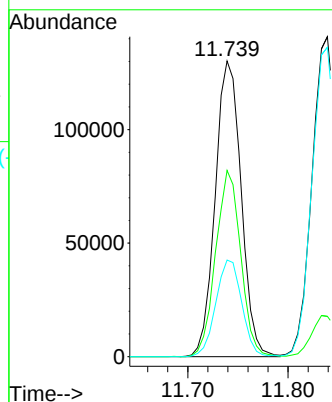
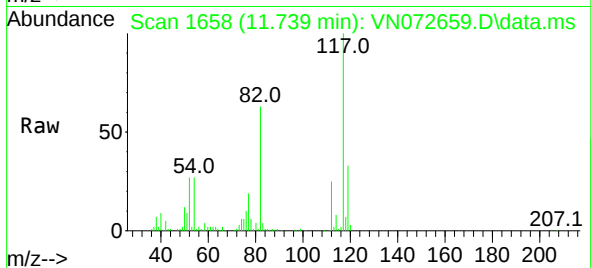




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

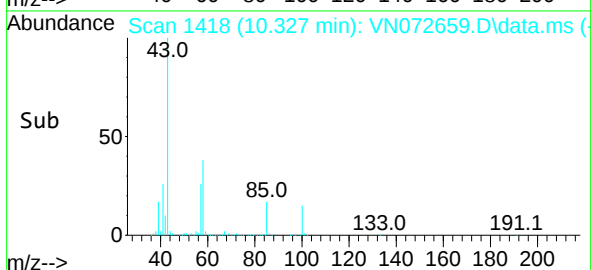
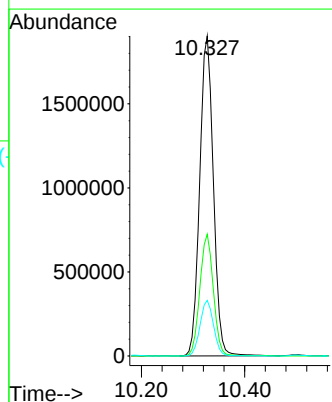
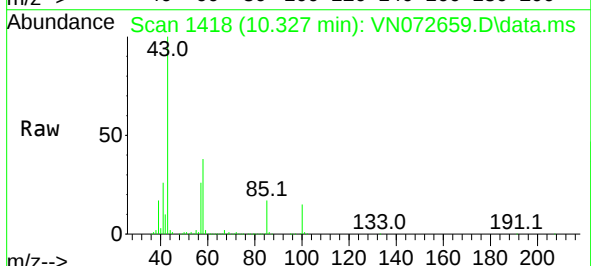
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

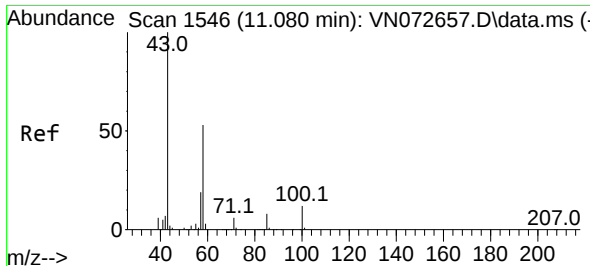
Tgt Ion:117 Resp: 234268  
Ion Ratio Lower Upper  
117 100  
82 60.8 43.6 65.4  
119 32.7 25.8 38.6



#58  
4-Methyl-2-Pentanone  
Concen: 517.475 ug/l  
RT: 10.327 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 43 Resp: 3491179  
Ion Ratio Lower Upper  
43 100  
58 37.6 30.0 45.0  
85 17.2 15.0 22.6

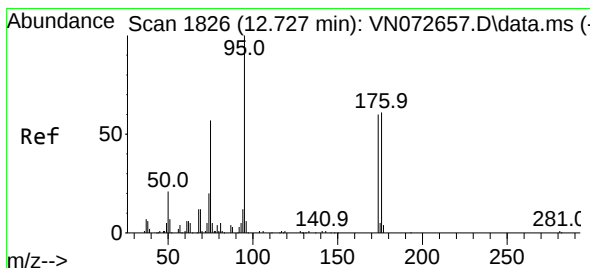
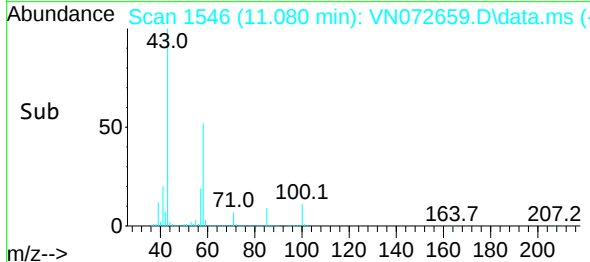
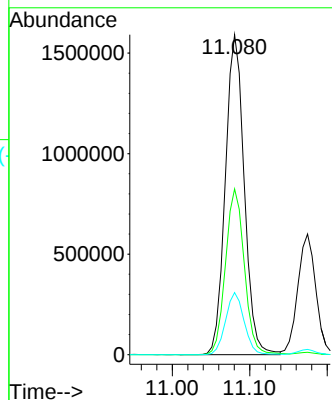
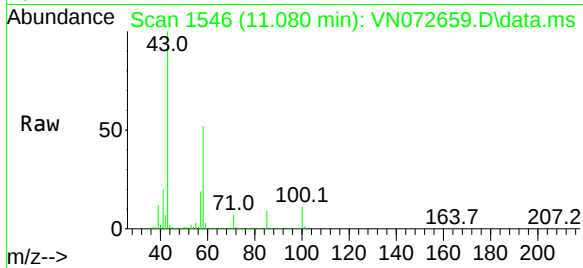




#59  
2-Hexanone  
Concen: 555.264 ug/l  
RT: 11.080 min Scan# 1546  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

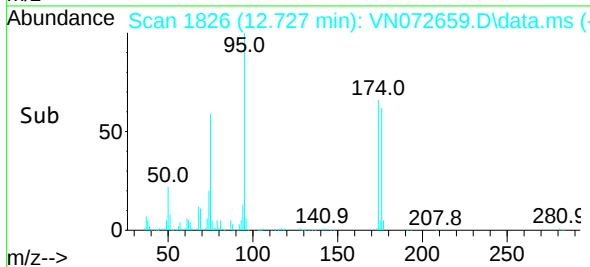
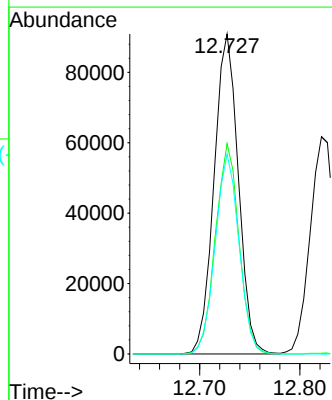
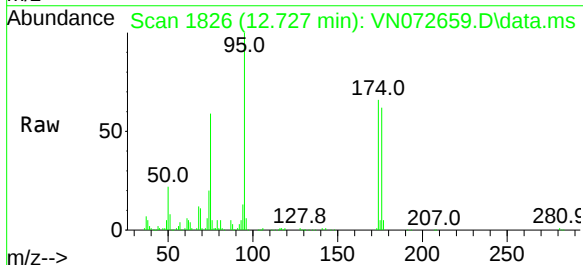
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

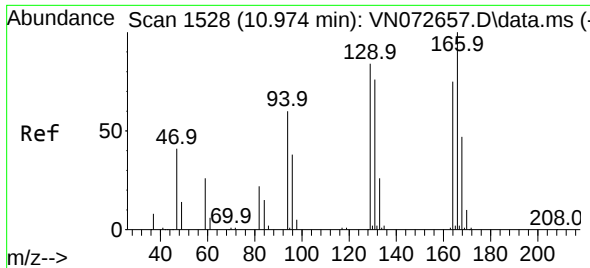
Tgt Ion: 43 Resp: 2697817  
Ion Ratio Lower Upper  
43 100  
58 51.7 42.2 63.2  
57 19.2 15.0 22.4



#60  
4-Bromofluorobenzene  
Concen: 36.229 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 95 Resp: 152851  
Ion Ratio Lower Upper  
95 100  
174 64.0 62.9 94.3  
176 61.3 61.0 91.4

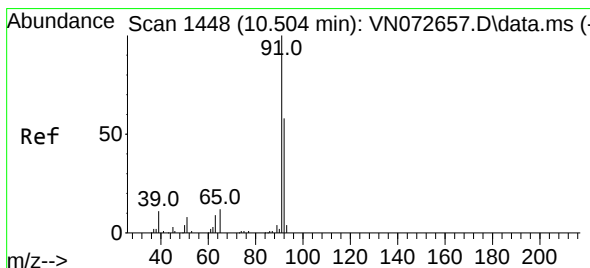
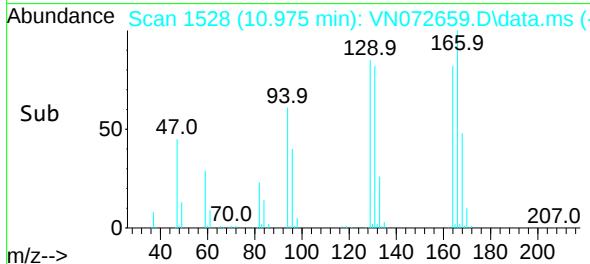
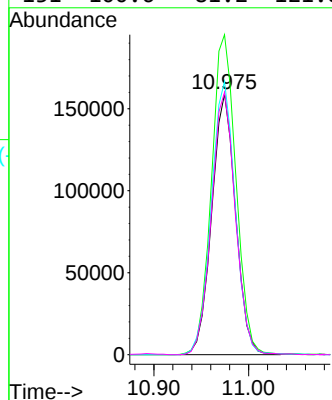
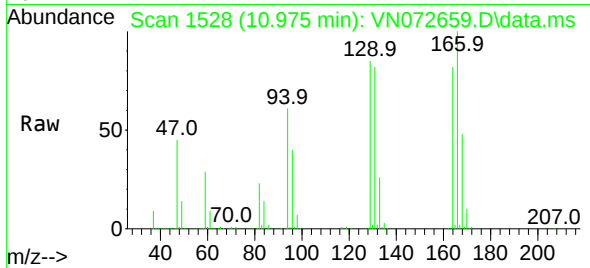




#61  
Tetrachloroethene  
Concen: 92.467 ug/l  
RT: 10.975 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

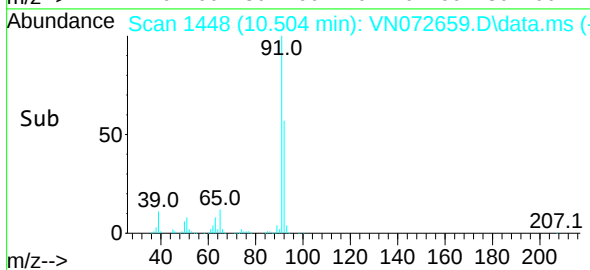
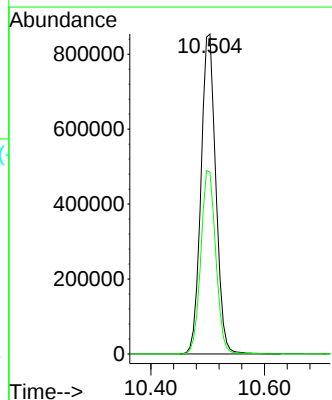
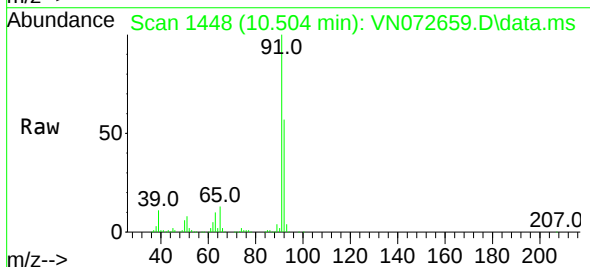
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

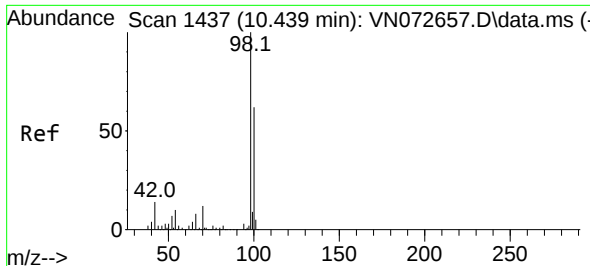
Tgt Ion:164 Resp: 277130  
Ion Ratio Lower Upper  
164 100  
166 122.6 105.8 158.8  
129 104.7 82.5 123.7  
131 100.6 81.2 121.8



#62  
Toluene  
Concen: 97.070 ug/l  
RT: 10.504 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 91 Resp: 1550771  
Ion Ratio Lower Upper  
91 100  
92 57.7 44.6 67.0

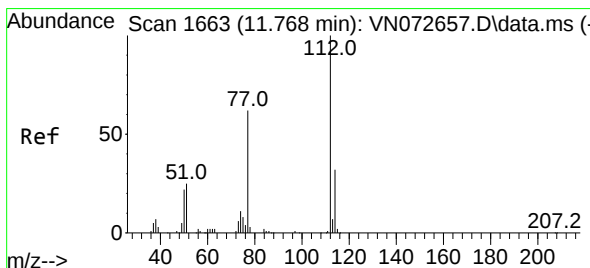
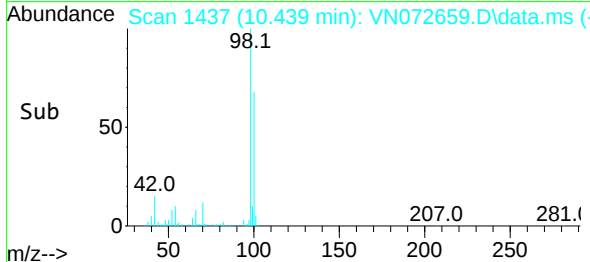
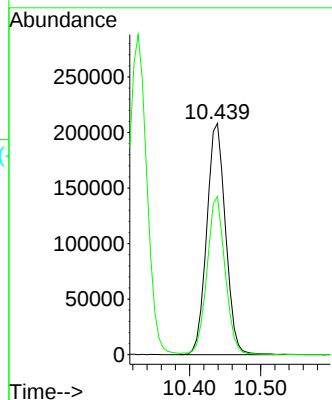
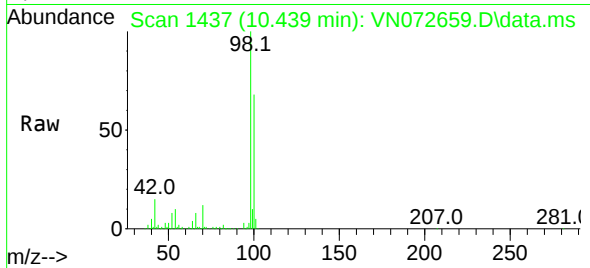




#63  
Toluene-d8  
Concen: 28.811 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

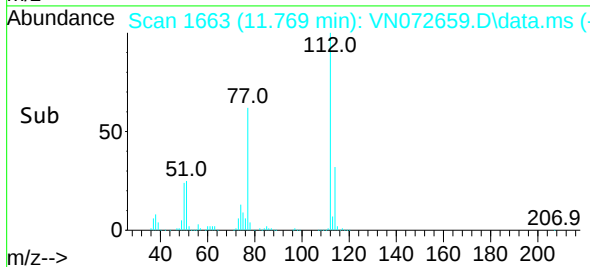
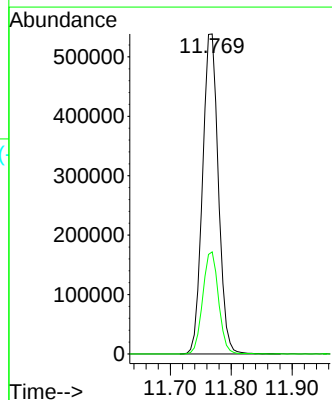
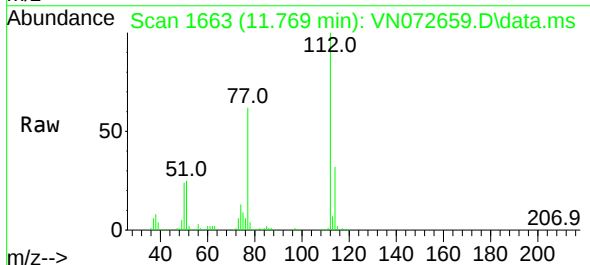
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

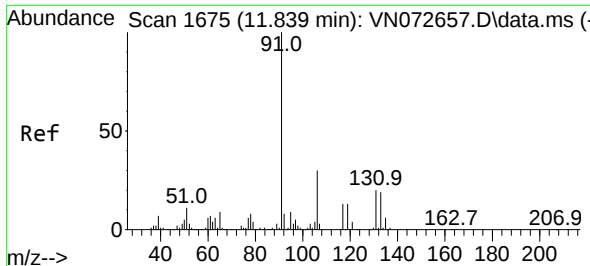
Tgt Ion: 98 Resp: 382668  
Ion Ratio Lower Upper  
98 100  
100 66.4 50.6 76.0



#64  
Chlorobenzene  
Concen: 103.366 ug/l  
RT: 11.769 min Scan# 1663  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 112 Resp: 971257  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.8 38.6

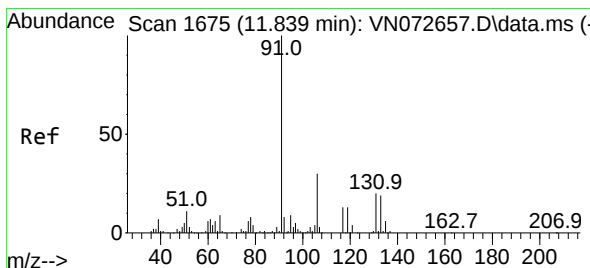
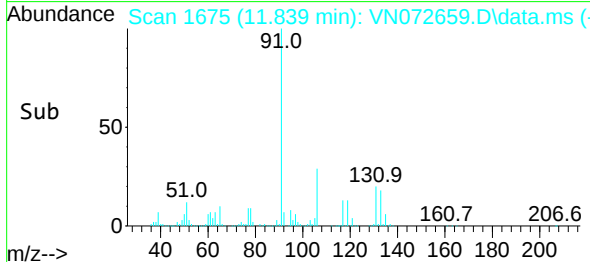
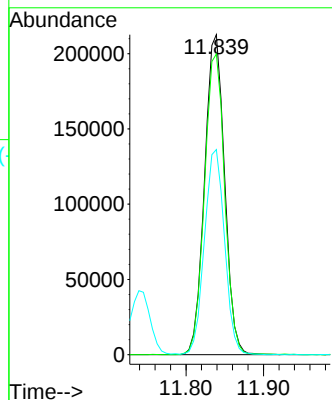
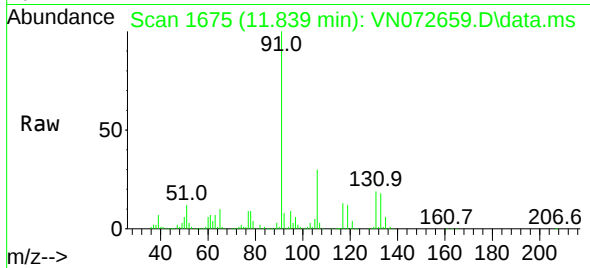




#65  
1,1,1,2-Tetrachloroethane  
Concen: 102.016 ug/l  
RT: 11.839 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

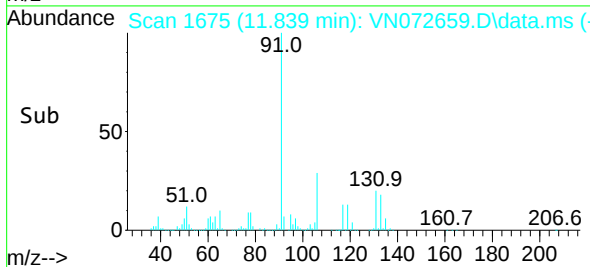
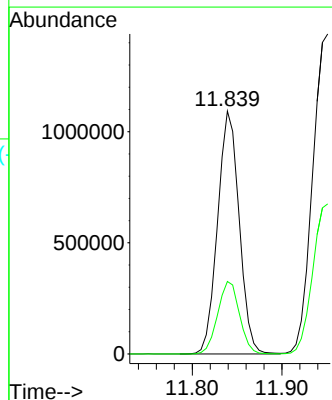
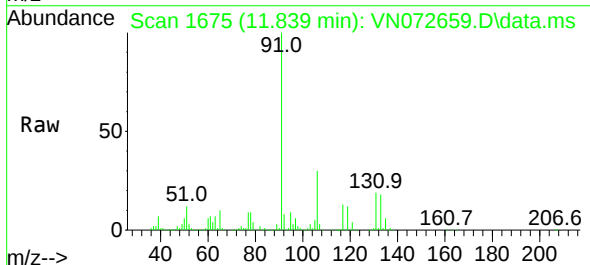
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

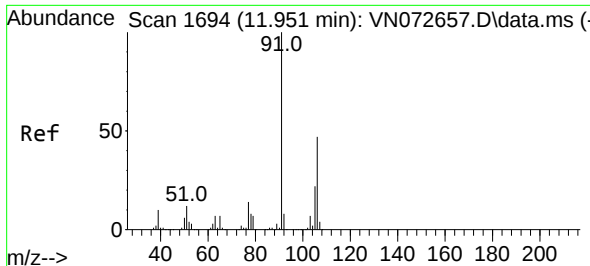
Tgt Ion:131 Resp: 380978  
Ion Ratio Lower Upper  
131 100  
133 94.8 0.0 191.2  
119 64.6 0.0 128.8



#66  
Ethyl Benzene  
Concen: 101.596 ug/l  
RT: 11.839 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 91 Resp: 1824720  
Ion Ratio Lower Upper  
91 100  
106 29.8 24.0 36.0

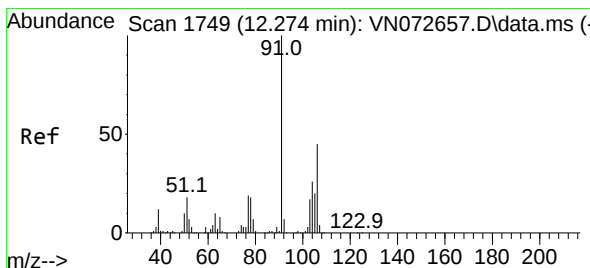
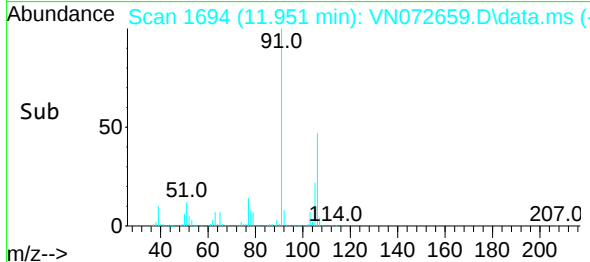
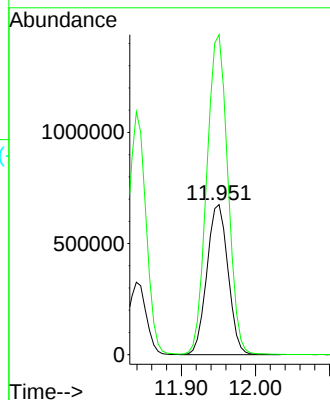
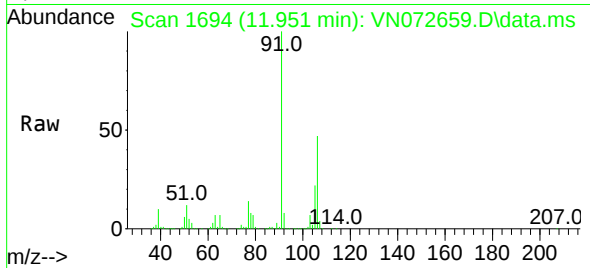




#67  
m/p-Xylenes  
Concen: 207.417 ug/l  
RT: 11.951 min Scan# 1694  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

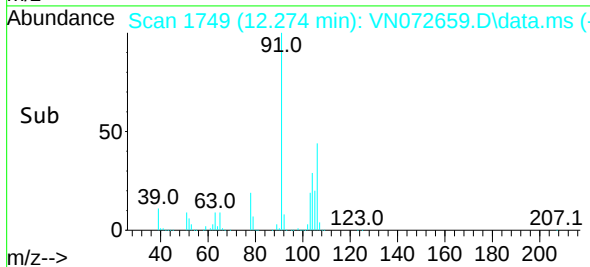
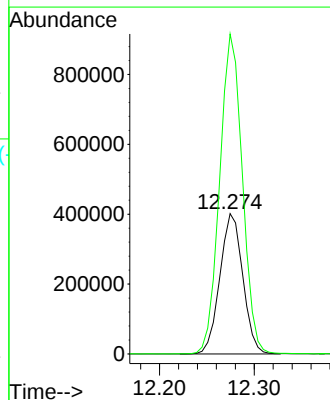
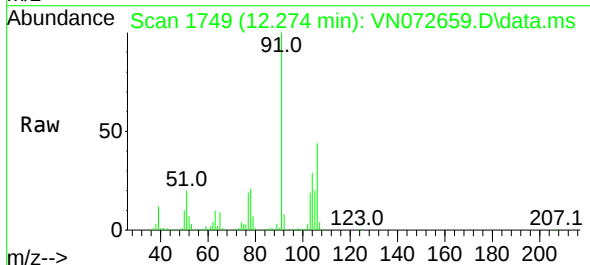
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

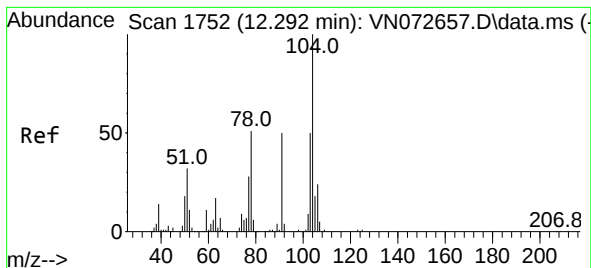
Tgt Ion:106 Resp: 1340427  
Ion Ratio Lower Upper  
106 100  
91 212.6 162.9 244.3



#68  
o-Xylene  
Concen: 104.353 ug/l  
RT: 12.274 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion:106 Resp: 676481  
Ion Ratio Lower Upper  
106 100  
91 225.9 107.7 323.1





#69

Styrene

Concen: 109.573 ug/l

RT: 12.292 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

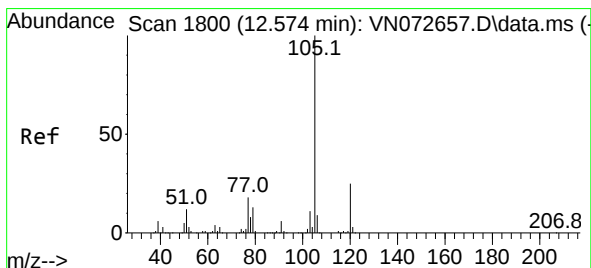
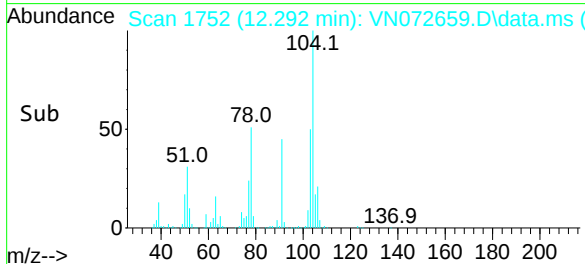
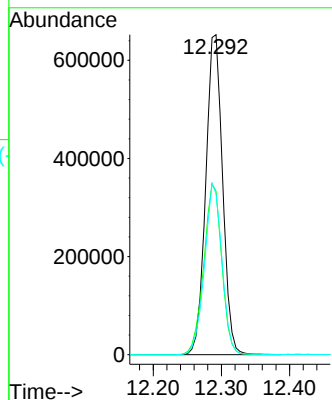
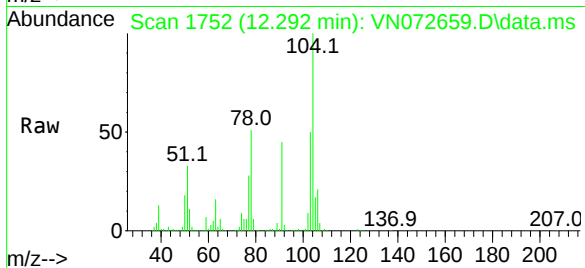
Tgt Ion:104 Resp: 1121439

Ion Ratio Lower Upper

104 100

78 57.0 40.7 61.1

103 55.4 45.8 68.8



#70

Isopropylbenzene

Concen: 108.448 ug/l

RT: 12.574 min Scan# 1800

Delta R.T. 0.000 min

Lab File: VN072659.D

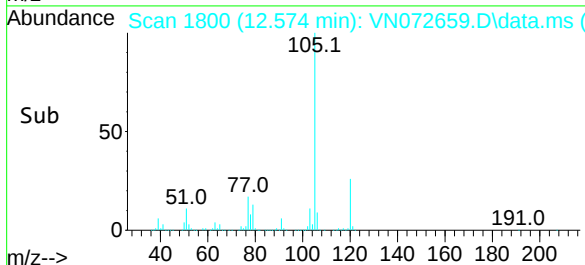
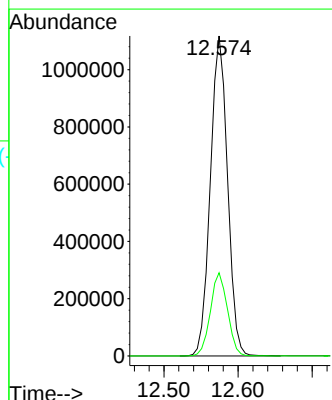
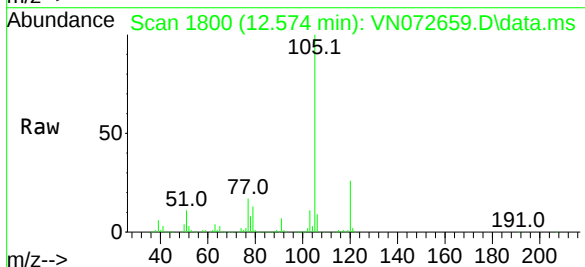
Acq: 06 Jun 2022 12:05

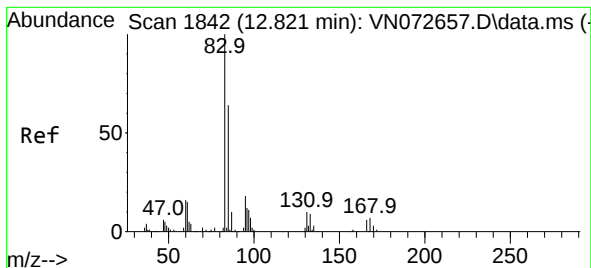
Tgt Ion:105 Resp: 1799131

Ion Ratio Lower Upper

105 100

120 25.8 18.3 34.1

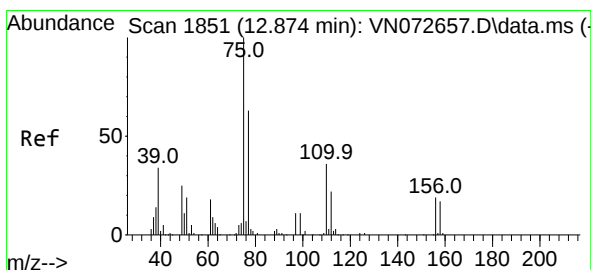
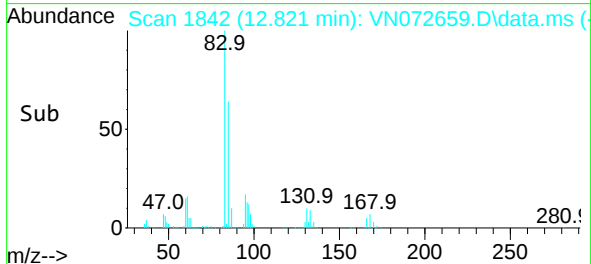
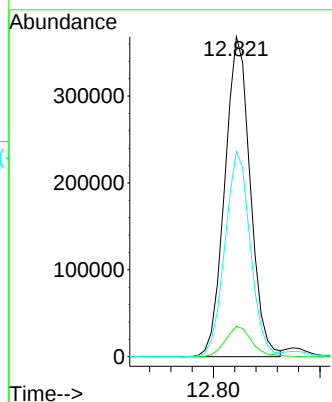
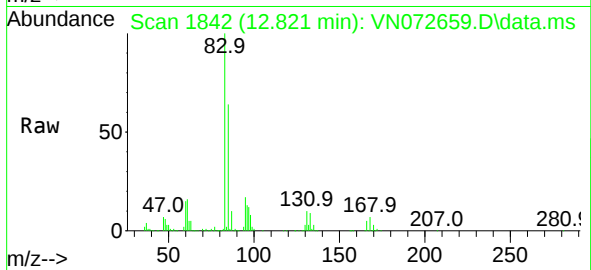




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 107.394 ug/l  
 RT: 12.821 min Scan# 1842  
 Delta R.T. 0.000 min  
 Lab File: VN072659.D  
 Acq: 06 Jun 2022 12:05

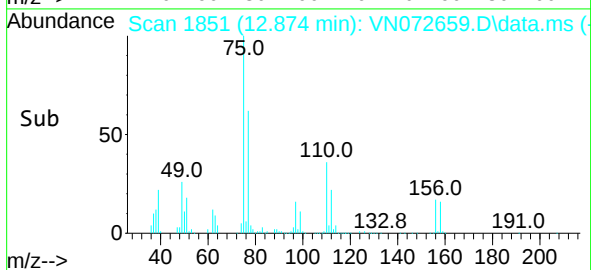
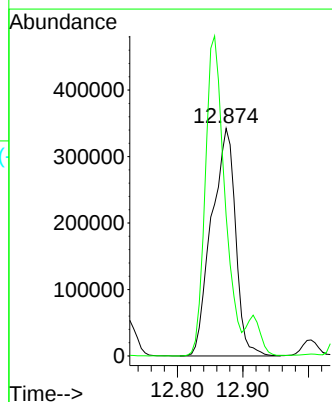
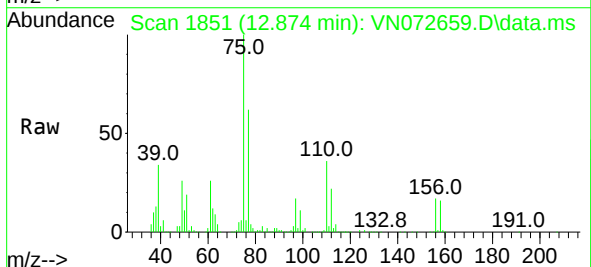
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

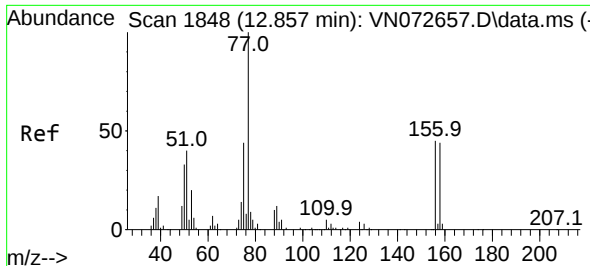
Tgt Ion: 83 Resp: 610624  
 Ion Ratio Lower Upper  
 83 100  
 131 9.9 5.1 15.3  
 85 64.2 33.1 99.2



#72  
 1,2,3-Trichloropropane  
 Concen: 161.686 ug/l  
 RT: 12.874 min Scan# 1851  
 Delta R.T. 0.000 min  
 Lab File: VN072659.D  
 Acq: 06 Jun 2022 12:05

Tgt Ion: 75 Resp: 870477  
 Ion Ratio Lower Upper  
 75 100  
 77 114.0 0.0 378.0

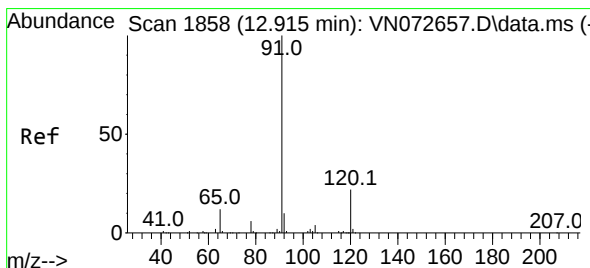
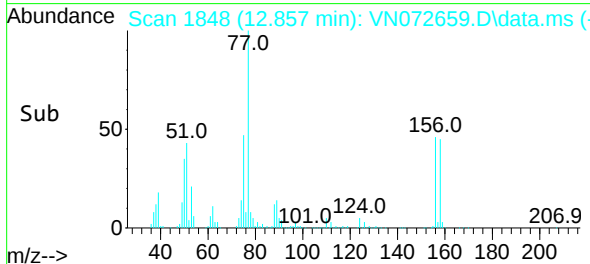
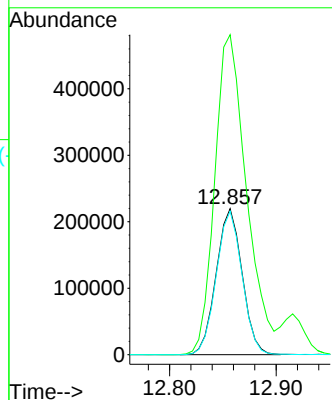
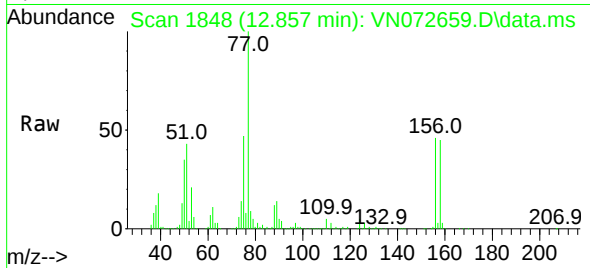




#73  
Bromobenzene  
Concen: 104.076 ug/l  
RT: 12.857 min Scan# 1848  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

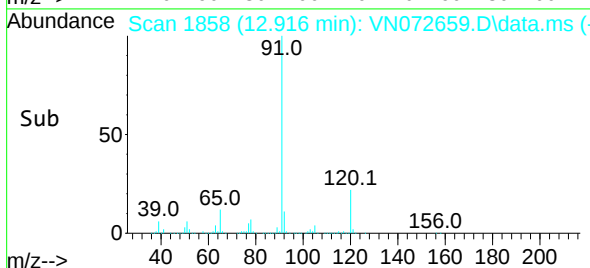
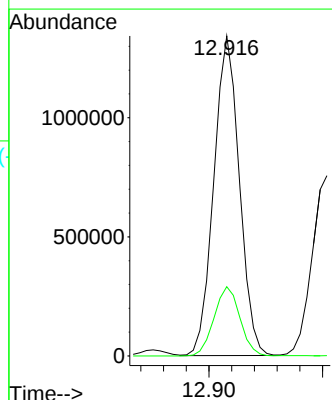
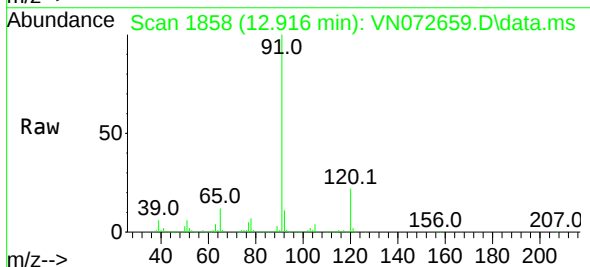
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

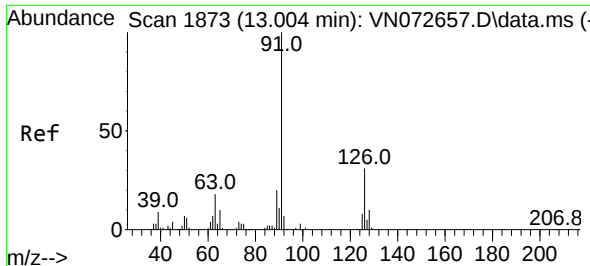
Tgt Ion:156 Resp: 372259  
Ion Ratio Lower Upper  
156 100  
77 266.6 0.0 416.0  
158 97.5 0.0 195.4



#74  
n-propylbenzene  
Concen: 111.392 ug/l  
RT: 12.916 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 91 Resp: 2095480  
Ion Ratio Lower Upper  
91 100  
120 21.9 0.0 45.0

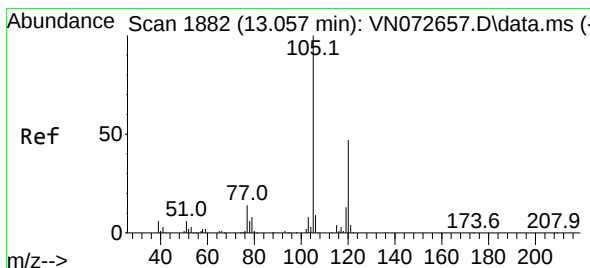
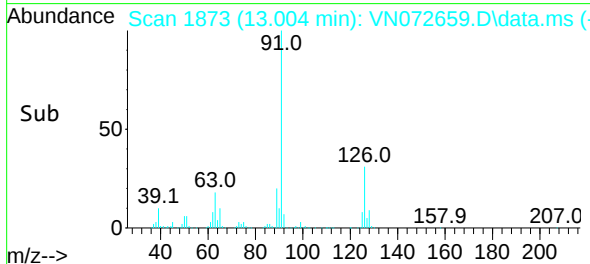
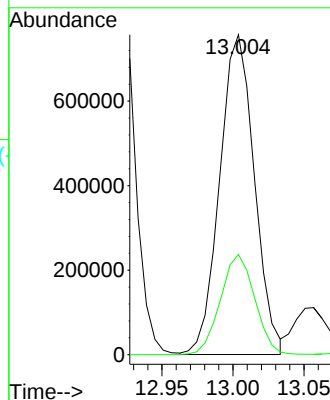
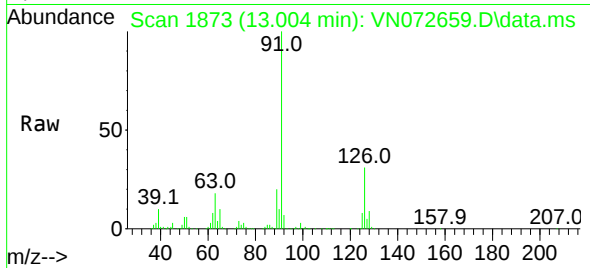




#75  
2-Chlorotoluene  
Concen: 112.003 ug/l  
RT: 13.004 min Scan# 1873  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

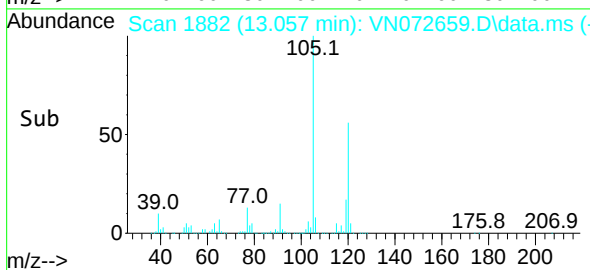
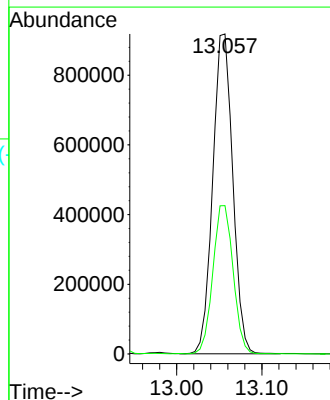
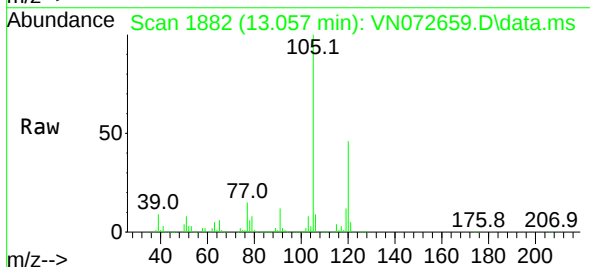
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

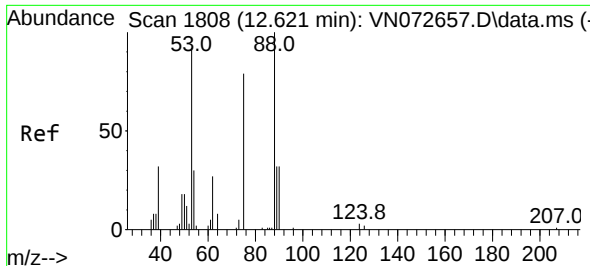
Tgt Ion: 91 Resp: 1286147  
Ion Ratio Lower Upper  
91 100  
126 31.0 0.0 69.8



#76  
1,3,5-Trimethylbenzene  
Concen: 113.395 ug/l  
RT: 13.057 min Scan# 1882  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 105 Resp: 1498432  
Ion Ratio Lower Upper  
105 100  
120 46.8 0.0 93.8

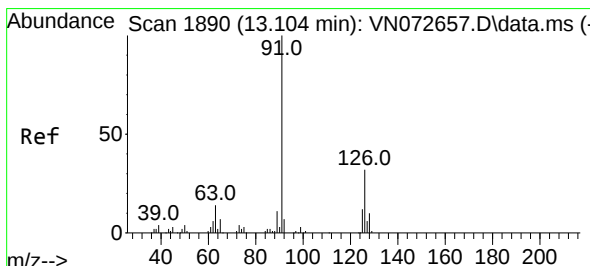
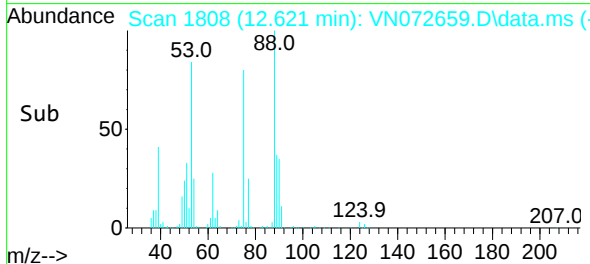
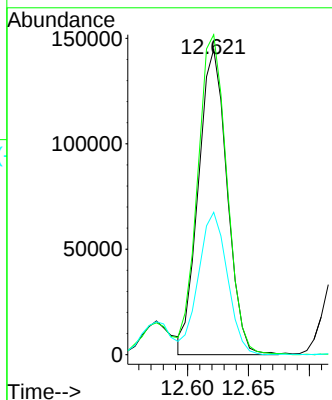
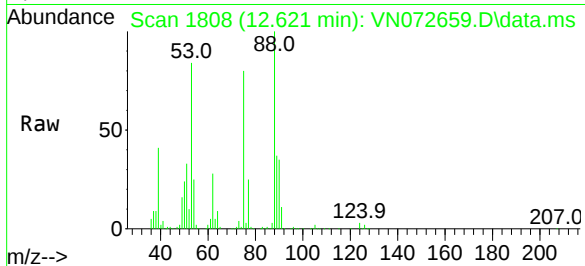




#77  
 t-1,4-Dichloro-2-butene  
 Concen: 123.384 ug/l  
 RT: 12.621 min Scan# 1808  
 Delta R.T. 0.000 min  
 Lab File: VN072659.D  
 Acq: 06 Jun 2022 12:05

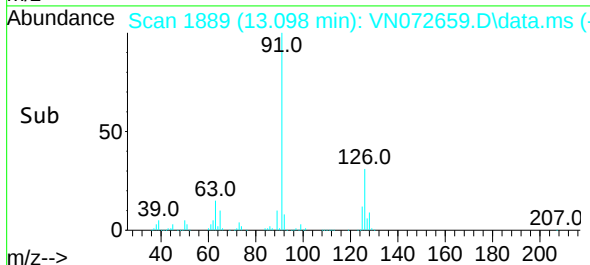
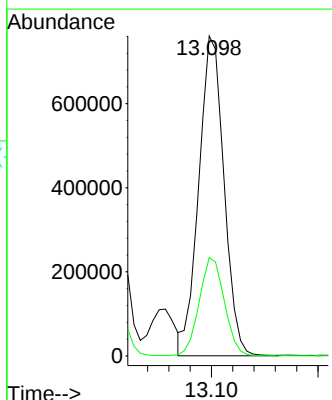
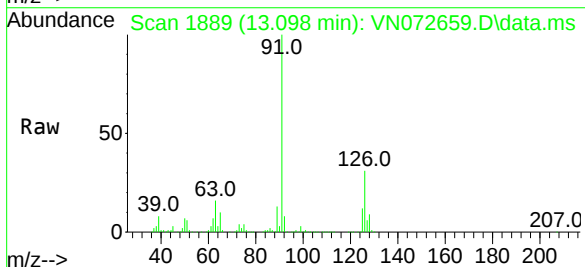
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

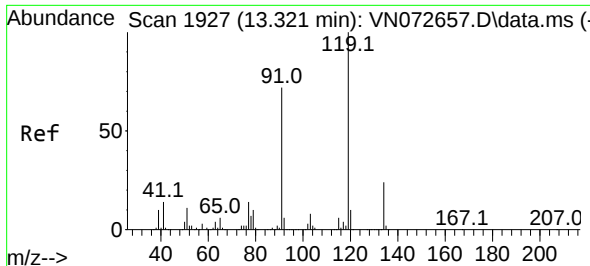
Tgt Ion: 75 Resp: 237097  
 Ion Ratio Lower Upper  
 75 100  
 53 104.7 51.8 155.5  
 89 46.6 22.9 68.7



#78  
 4-Chlorotoluene  
 Concen: 119.245 ug/l  
 RT: 13.098 min Scan# 1889  
 Delta R.T. -0.006 min  
 Lab File: VN072659.D  
 Acq: 06 Jun 2022 12:05

Tgt Ion: 91 Resp: 1249797  
 Ion Ratio Lower Upper  
 91 100  
 126 30.9 0.0 70.6

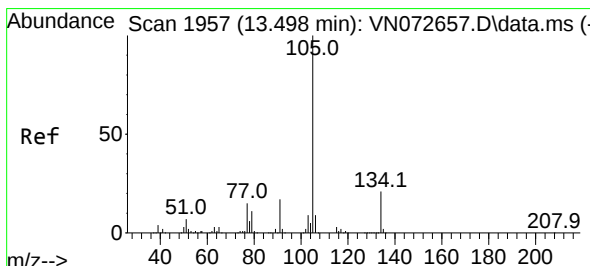
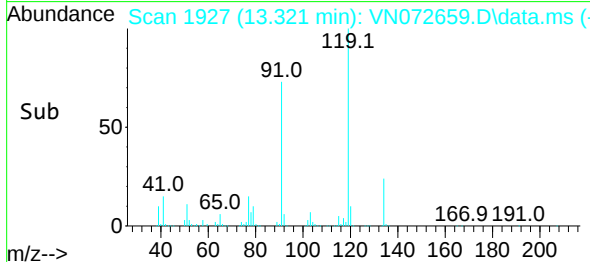
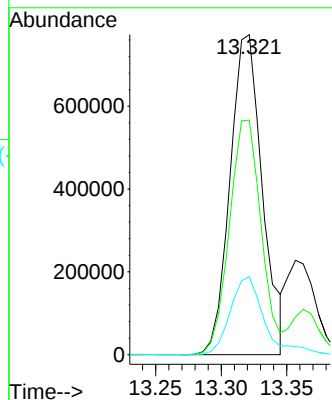
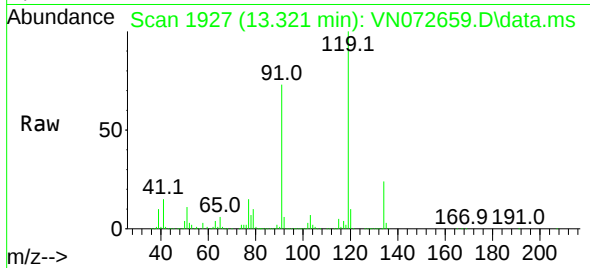




#79  
tert-butylbenzene  
Concen: 114.726 ug/l  
RT: 13.321 min Scan# 1927  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

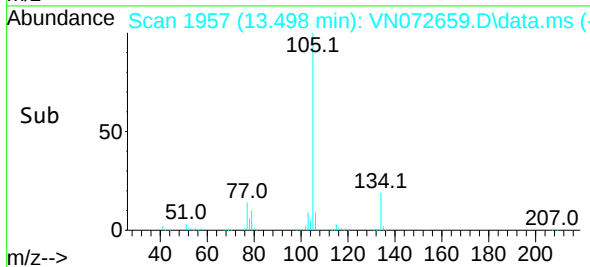
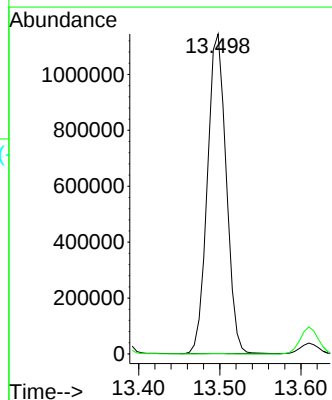
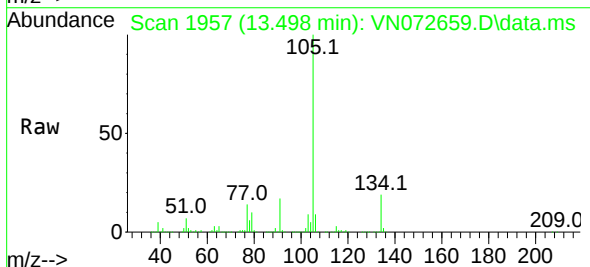
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

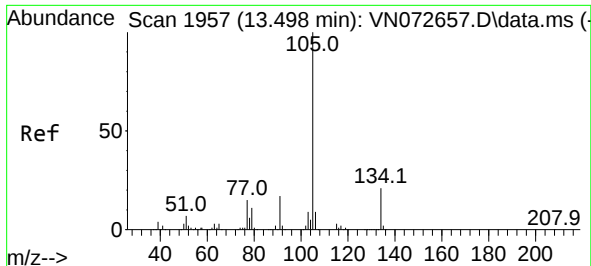
Tgt Ion:119 Resp: 1326296  
Ion Ratio Lower Upper  
119 100  
91 71.9 0.0 137.0  
134 24.2 0.0 47.6



#80  
1,2,4-Trimethylbenzene  
Concen: 138.271 ug/l  
RT: 13.498 min Scan# 1957  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion:105 Resp: 1839244  
Ion Ratio Lower Upper  
105 100  
120 0.2 0.0 0.2

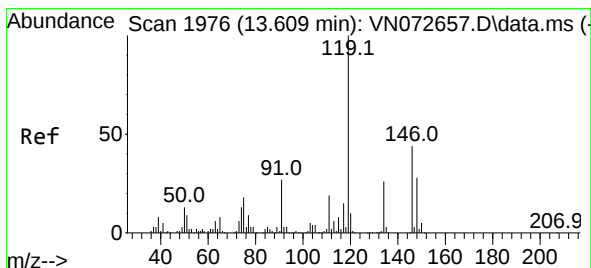
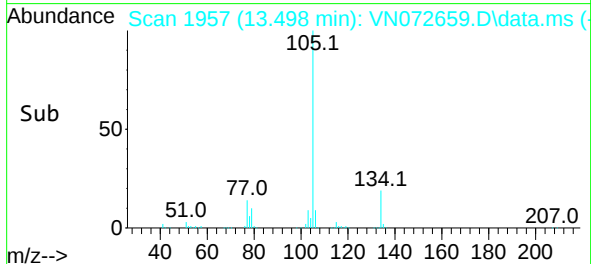
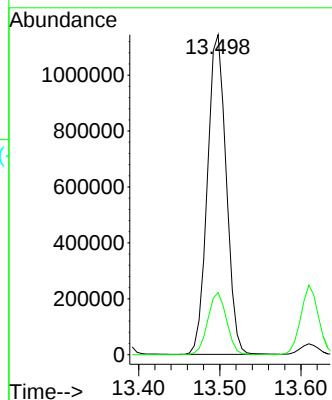
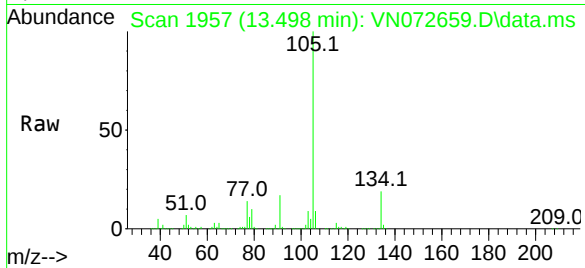




#81  
 sec-Butylbenzene  
 Concen: 110.748 ug/l  
 RT: 13.498 min Scan# 1957  
 Delta R.T. 0.000 min  
 Lab File: VN072659.D  
 Acq: 06 Jun 2022 12:05

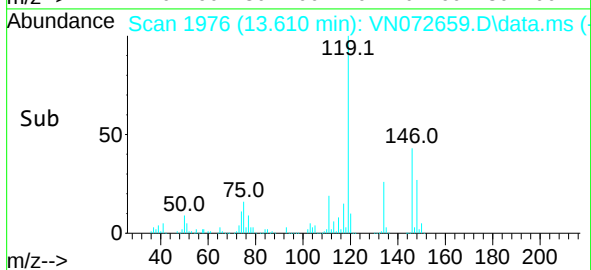
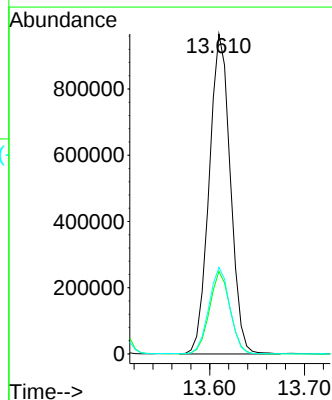
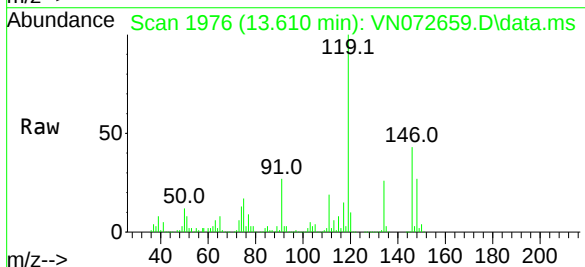
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

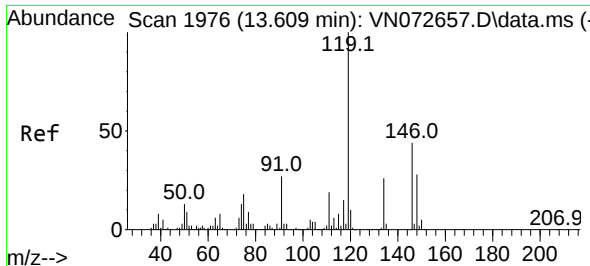
Tgt Ion:105 Resp: 1839244  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 0.0 39.4



#82  
 p-Isopropyltoluene  
 Concen: 116.372 ug/l  
 RT: 13.610 min Scan# 1976  
 Delta R.T. 0.000 min  
 Lab File: VN072659.D  
 Acq: 06 Jun 2022 12:05

Tgt Ion:119 Resp: 1499040  
 Ion Ratio Lower Upper  
 119 100  
 134 25.0 0.0 51.8  
 91 26.5 0.0 50.4

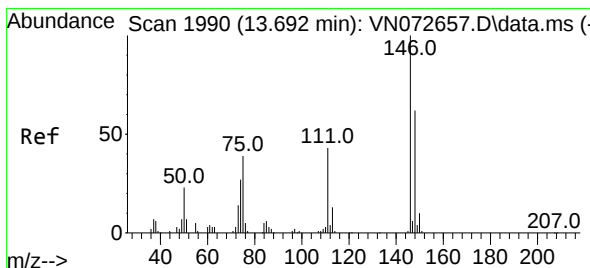
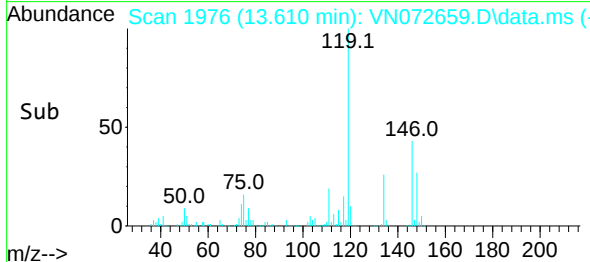
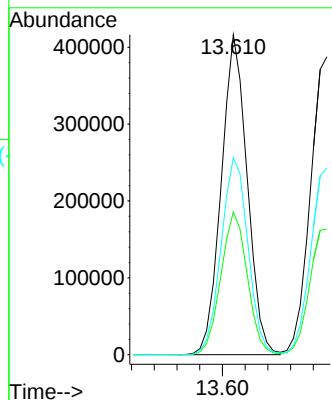
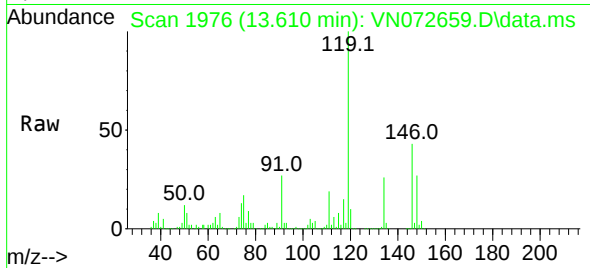




#83  
 1,3-Dichlorobenzene  
 Concen: 105.954 ug/l  
 RT: 13.610 min Scan# 1976  
 Delta R.T. 0.000 min  
 Lab File: VN072659.D  
 Acq: 06 Jun 2022 12:05

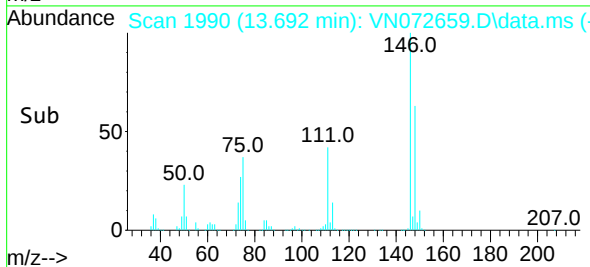
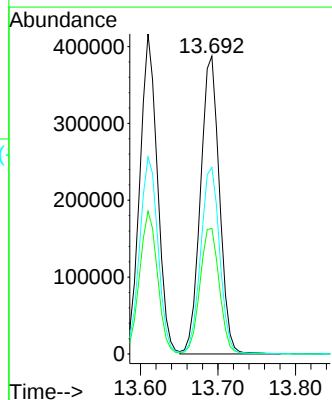
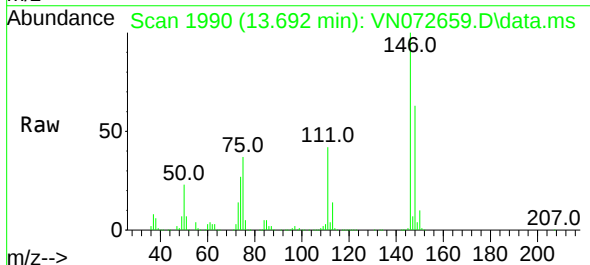
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

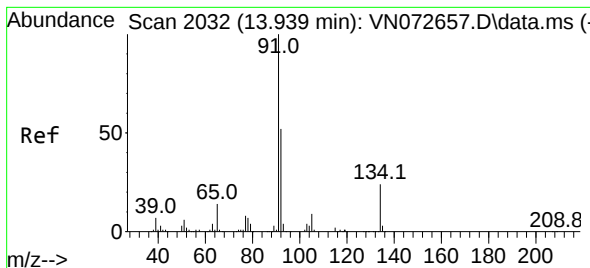
Tgt Ion:146 Resp: 660707  
 Ion Ratio Lower Upper  
 146 100  
 111 45.4 20.8 62.2  
 148 63.8 31.4 94.3



#84  
 1,4-Dichlorobenzene  
 Concen: 108.553 ug/l  
 RT: 13.692 min Scan# 1990  
 Delta R.T. 0.000 min  
 Lab File: VN072659.D  
 Acq: 06 Jun 2022 12:05

Tgt Ion:146 Resp: 658568  
 Ion Ratio Lower Upper  
 146 100  
 111 43.2 19.5 58.5  
 148 62.7 31.1 93.5





#85

n-Butylbenzene

Concen: 120.323 ug/l

RT: 13.939 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Instrument :

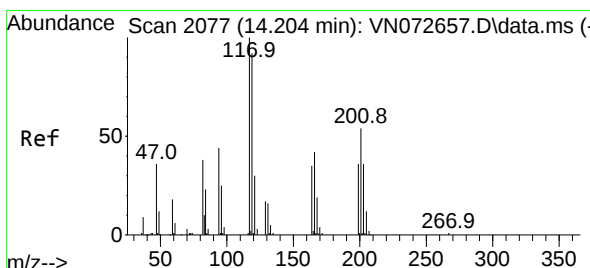
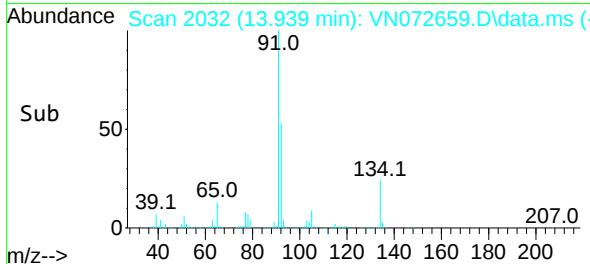
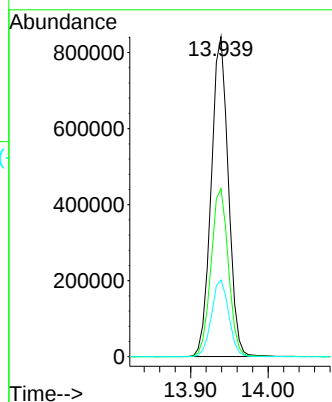
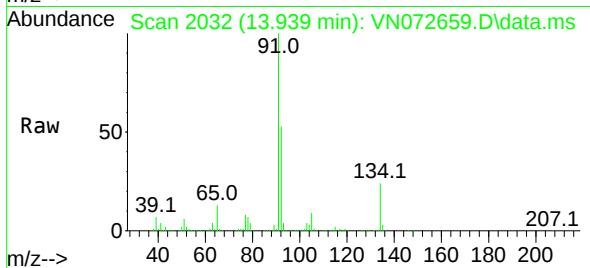
MSVOA\_N

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1291808

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 53.3  | 0.0   | 100.6 |
| 134 | 24.2  | 0.0   | 50.2  |



#86

Hexachloroethane

Concen: 122.211 ug/l

RT: 14.204 min Scan# 2077

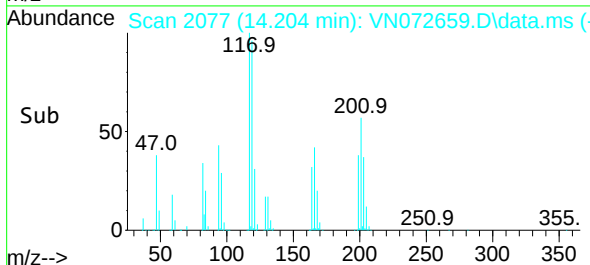
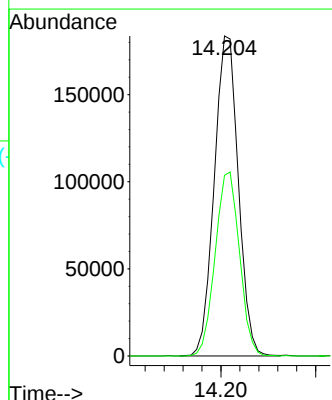
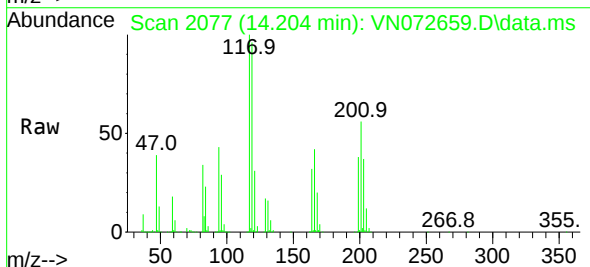
Delta R.T. 0.000 min

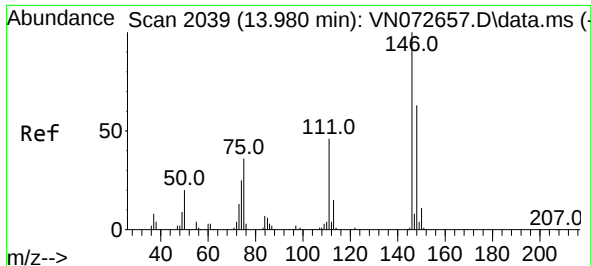
Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Tgt Ion: 117 Resp: 323981

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 58.0  | 33.3  | 99.8  |

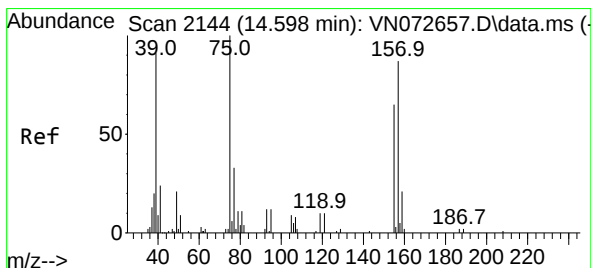
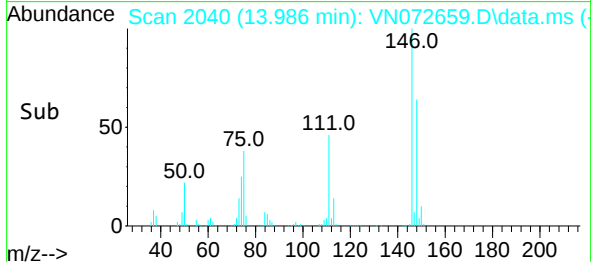
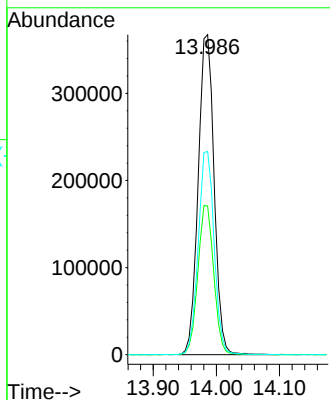
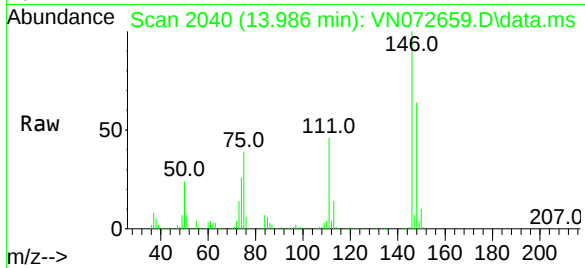




#87  
1,2-Dichlorobenzene  
Concen: 105.194 ug/l  
RT: 13.986 min Scan# 2039  
Delta R.T. 0.006 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

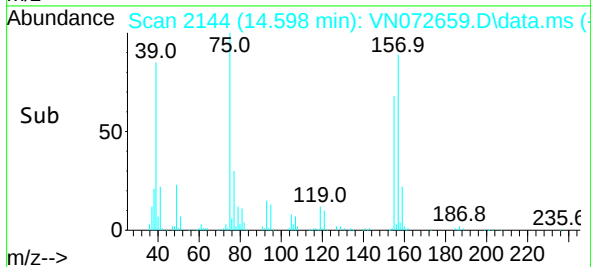
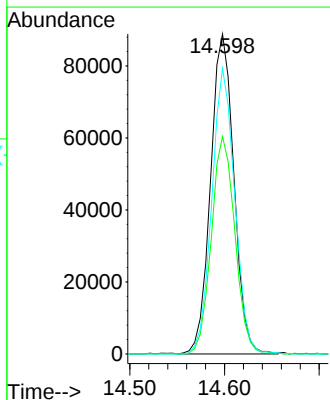
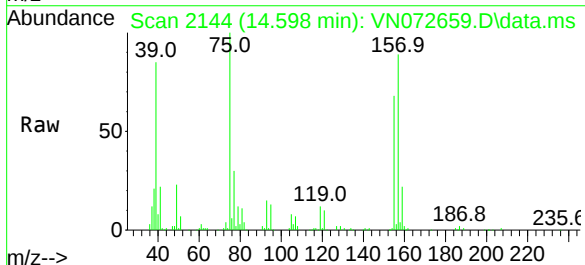
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

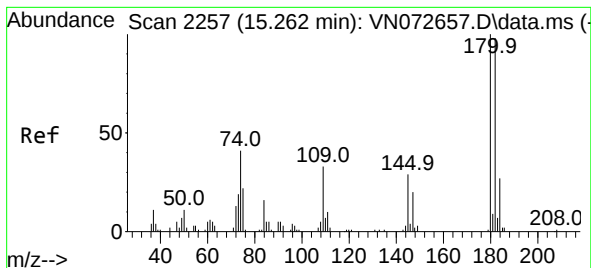
Tgt Ion:146 Resp: 644585  
Ion Ratio Lower Upper  
146 100  
111 46.6 21.4 64.2  
148 63.4 32.5 97.4



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 128.772 ug/l  
RT: 14.598 min Scan# 2144  
Delta R.T. 0.000 min  
Lab File: VN072659.D  
Acq: 06 Jun 2022 12:05

Tgt Ion: 75 Resp: 152317  
Ion Ratio Lower Upper  
75 100  
155 68.3 63.8 95.8  
157 87.6 77.9 116.9





#89

1,2,4-Trichlorobenzene

Concen: 110.466 ug/l

RT: 15.257 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC100

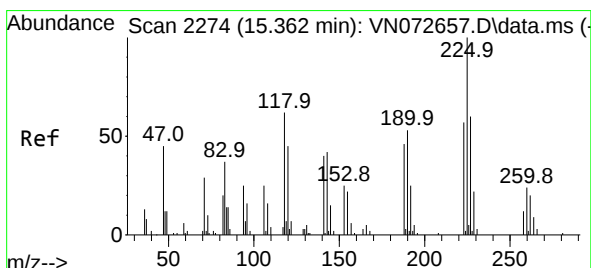
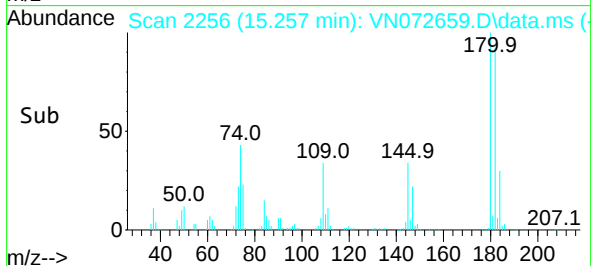
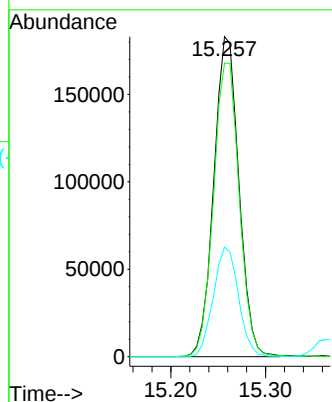
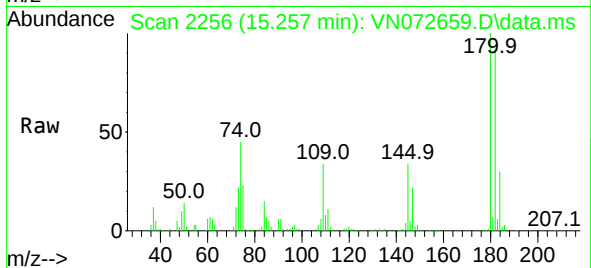
Tgt Ion:180 Resp: 337148

Ion Ratio Lower Upper

180 100

182 94.1 77.7 116.5

145 34.4 26.6 39.8



#90

Hexachlorobutadiene

Concen: 97.108 ug/l

RT: 15.362 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

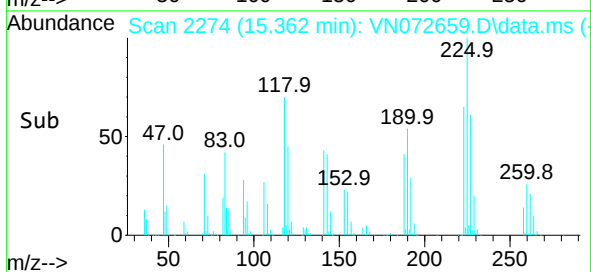
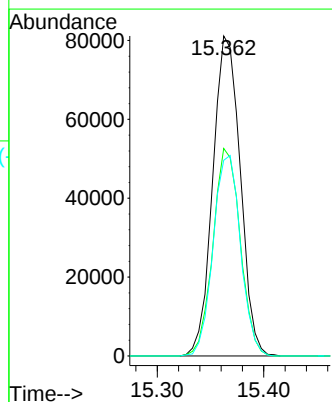
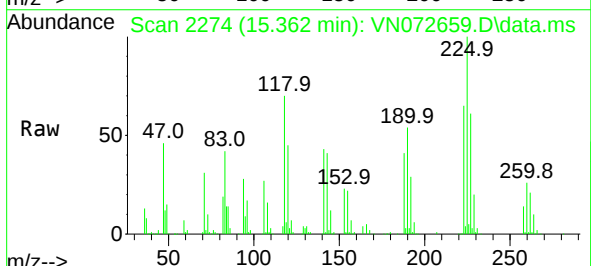
Tgt Ion:225 Resp: 145322

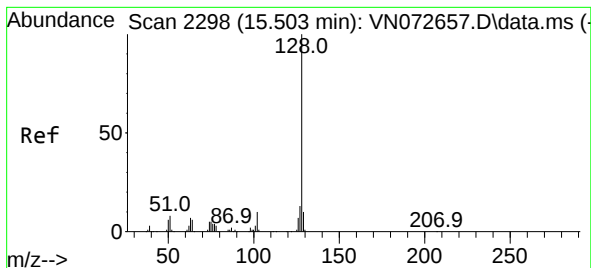
Ion Ratio Lower Upper

225 100

223 64.2 0.0 126.8

227 62.3 0.0 123.0





#91

Naphthalene

Concen: 119.838 ug/l

RT: 15.498 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

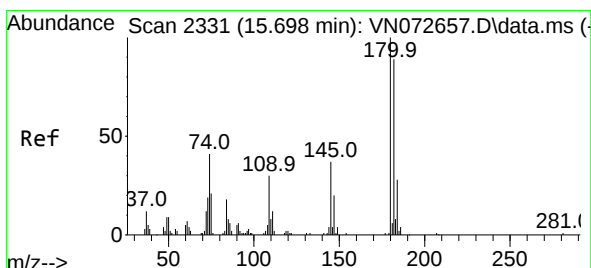
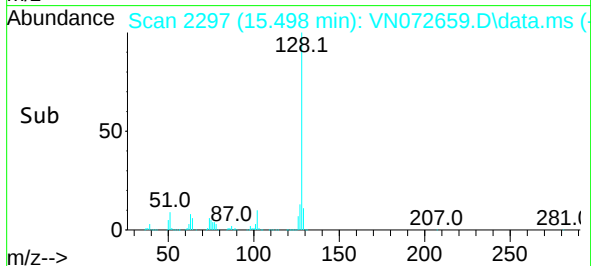
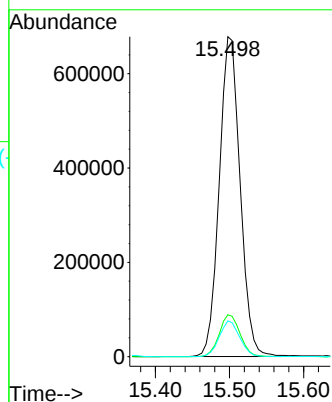
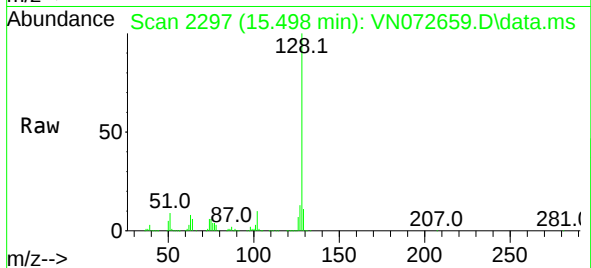
Tgt Ion:128 Resp: 1326935

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 11.0 9.0 13.6



#92

1,2,3-Trichlorobenzene

Concen: 108.832 ug/l

RT: 15.698 min Scan# 2331

Delta R.T. 0.000 min

Lab File: VN072659.D

Acq: 06 Jun 2022 12:05

Tgt Ion:180 Resp: 336949

Ion Ratio Lower Upper

180 100

182 94.0 0.0 190.0

145 36.4 0.0 67.8

