

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041125\  
 Data File : VN086255.D  
 Acq On : 11 Apr 2025 17:28  
 Operator : JC\MD  
 Sample : VSTDC0020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0020EC

Quant Time: Apr 12 01:51:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N041125W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Apr 12 01:21:52 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 7.812          | 128  | 18884      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100          | 114  | 109876     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865         | 117  | 95362      | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.577          | 65   | 53571      | 29.085   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 96.933%  |        |          |
| 60) 4-Bromofluorobenzene     | 12.847         | 95   | 56553      | 29.786   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 99.300%  |        |          |
| 63) Toluene-d8               | 10.565         | 98   | 165558     | 30.752   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 102.500% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 29320      | 19.378   | ug/l   | 99       |
| 3) Chloromethane             | 2.359          | 50   | 41417      | 19.805   | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.518          | 62   | 38937      | 19.548   | ug/l   | 99       |
| 5) Bromomethane              | 2.971          | 94   | 19187      | 19.311   | ug/l   | 99       |
| 6) Chloroethane              | 3.130          | 64   | 25042      | 19.909   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.501          | 101  | 41794      | 19.342   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.965          | 74   | 18888      | 18.955   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 24936      | 18.715   | ug/l   | 96       |
| 10) 1,1-Dichloroethene       | 4.348          | 96   | 26966      | 18.753   | ug/l   | 98       |
| 11) Methyl Iodide            | 4.583          | 142  | 31641      | 19.145   | ug/l   | 94       |
| 12) Methyl Acetate           | 5.030          | 43   | 37430      | 18.433   | ug/l   | 97       |
| 13) Acrolein                 | 4.183          | 56   | 19090      | 82.706   | ug/l   | 97       |
| 14) Acrylonitrile            | 5.718          | 53   | 80784      | 94.238   | ug/l   | 99       |
| 15) Acetone                  | 4.424          | 58   | 19847      | 91.311   | ug/l   | 90       |
| 16) Carbon Disulfide         | 4.718          | 76   | 78952      | 19.148   | ug/l   | 97       |
| 17) Allyl chloride           | 5.030          | 41   | 49113      | 19.596   | ug/l   | 95       |
| 18) Methylene Chloride       | 5.277          | 84   | 31167      | 19.010   | ug/l   | 96       |
| 19) trans-1,2-Dichloroethene | 5.789          | 96   | 28540      | 18.843   | ug/l   | 99       |
| 20) Diisopropyl ether        | 6.671          | 45   | 95774      | 17.775   | ug/l   | 97       |
| 21) 1,1-Dichloroethane       | 6.571          | 63   | 55465      | 19.295   | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 7.483          | 96   | 34384      | 19.057   | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 5.512          | 59   | 31875      | 89.739   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.794          | 73   | 97437      | 18.777   | ug/l   | 98       |
| 25) Chloroform               | 7.965          | 83   | 53242      | 19.423   | ug/l   | 93       |
| 26) Cyclohexane              | 8.253          | 56   | 50381      | 18.733   | ug/l # | 99       |
| 29) 1,1-Dichloropropene      | 8.371          | 75   | 39298      | 19.965   | ug/l   | 99       |
| 30) 2-Butanone               | 7.477          | 43   | 105674     | 96.889   | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.489          | 77   | 46144      | 19.045   | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 44888      | 19.825   | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 8.359          | 117  | 35183      | 19.444   | ug/l   | 96       |
| 34) Benzene                  | 8.600          | 78   | 124673     | 19.909   | ug/l   | 97       |
| 35) Methacrylonitrile        | 7.777          | 41   | 25486      | 20.728   | ug/l   | 98       |
| 36) 1,2-Dichloroethane       | 8.671          | 62   | 38614      | 19.705   | ug/l   | 97       |
| 37) Trichloroethene          | 9.347          | 130  | 28562      | 18.904   | ug/l   | 95       |
| 38) Methylcyclohexane        | 9.594          | 83   | 45627      | 18.901   | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 9.618          | 63   | 30685      | 19.693   | ug/l   | 94       |
| 40) Dibromomethane           | 9.706          | 93   | 20002      | 19.875   | ug/l   | 100      |
| 41) Bromodichloromethane     | 9.888          | 83   | 42242      | 19.539   | ug/l   | 100      |
| 42) Vinyl Acetate            | 6.600          | 43   | 378299     | 101.896  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041125\  
 Data File : VN086255.D  
 Acq On : 11 Apr 2025 17:28  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

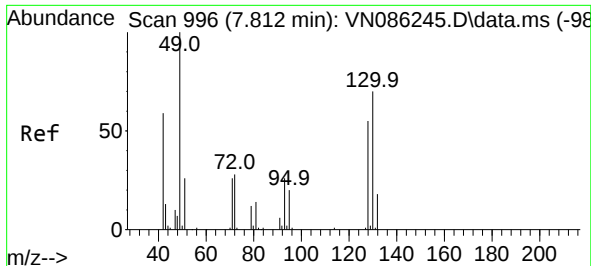
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Quant Time: Apr 12 01:51:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N041125W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Apr 12 01:21:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.559  | 43   | 37557    | 17.072  | ug/l # | 93       |
| 44) Isopropyl Acetate         | 8.683  | 43   | 79656    | 19.518  | ug/l   | 100      |
| 45) 1,4-Dioxane               | 9.694  | 88   | 12723    | 392.047 | ug/l # | 93       |
| 46) Methyl methacrylate       | 9.677  | 41   | 34286    | 19.067  | ug/l   | 98       |
| 47) n-amyl Acetate            | 12.488 | 43   | 57635    | 17.812  | ug/l   | 99       |
| 48) t-1,3-Dichloropropene     | 10.829 | 75   | 46804    | 19.149  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene   | 10.312 | 75   | 51256    | 19.814  | ug/l   | 96       |
| 50) 1,1,2-Trichloroethane     | 11.012 | 97   | 27268    | 19.319  | ug/l   | 97       |
| 51) Ethyl methacrylate        | 10.871 | 69   | 49228    | 18.768  | ug/l   | 95       |
| 52) 1,3-Dichloropropane       | 11.159 | 76   | 49662    | 19.740  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.353 | 129  | 29962    | 19.406  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.465 | 107  | 27931    | 19.603  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 98312    | 99.189  | ug/l   | 99       |
| 56) Bromoform                 | 12.576 | 173  | 18754    | 18.566  | ug/l   | 98       |
| 58) 4-Methyl-2-Pentanone      | 10.441 | 43   | 214641   | 99.184  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 158086   | 98.104  | ug/l   | 99       |
| 61) Tetrachloroethene         | 11.100 | 164  | 27738    | 19.697  | ug/l   | 98       |
| 62) Toluene                   | 10.624 | 91   | 128682   | 20.118  | ug/l   | 100      |
| 64) Chlorobenzene             | 11.888 | 112  | 77123    | 19.736  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 26021    | 20.177  | ug/l   | 98       |
| 66) Ethyl Benzene             | 11.959 | 91   | 139309   | 19.639  | ug/l   | 98       |
| 67) m/p-Xylenes               | 12.071 | 106  | 101714   | 38.563  | ug/l   | 98       |
| 68) o-Xylene                  | 12.394 | 106  | 52037    | 20.058  | ug/l   | 98       |
| 69) Styrene                   | 12.406 | 104  | 83949    | 19.187  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.694 | 105  | 123201   | 19.260  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 37233    | 20.449  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane    | 12.994 | 75   | 53607    | 28.285  | ug/l   | 59       |
| 73) Bromobenzene              | 12.976 | 156  | 27272    | 19.245  | ug/l   | 99       |
| 74) n-propylbenzene           | 13.029 | 91   | 143093   | 18.944  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 92645    | 19.514  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 99973    | 19.025  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 16490    | 18.869  | ug/l   | 92       |
| 78) 4-Chlorotoluene           | 13.218 | 91   | 90011    | 18.983  | ug/l   | 98       |
| 79) tert-butylbenzene         | 13.435 | 119  | 86567    | 19.039  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 100765   | 18.911  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 13.612 | 105  | 119744   | 18.880  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.729 | 119  | 97324    | 18.394  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 48725    | 18.499  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 13.806 | 146  | 47819    | 18.098  | ug/l   | 98       |
| 85) n-Butylbenzene            | 14.053 | 91   | 84791    | 17.764  | ug/l   | 98       |
| 86) Hexachloroethane          | 14.329 | 117  | 17164    | 19.231  | ug/l   | 96       |
| 87) 1,2-Dichlorobenzene       | 14.100 | 146  | 48868    | 18.791  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 7385     | 17.808  | ug/l   | 97       |
| 89) 1,2,4-Trichlorobenzene    | 15.835 | 180  | 21063    | 16.646  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 15.494 | 225  | 8007     | 14.656  | ug/l   | 96       |
| 91) Naphthalene               | 15.635 | 128  | 83203    | 16.677  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 21063    | 16.646  | ug/l   | 98       |

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

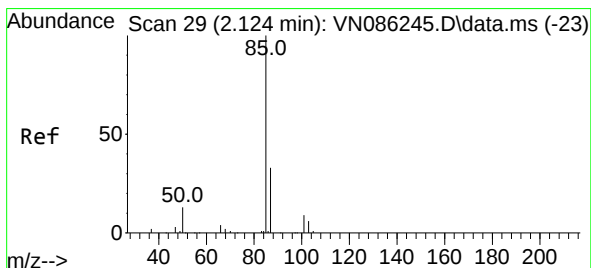
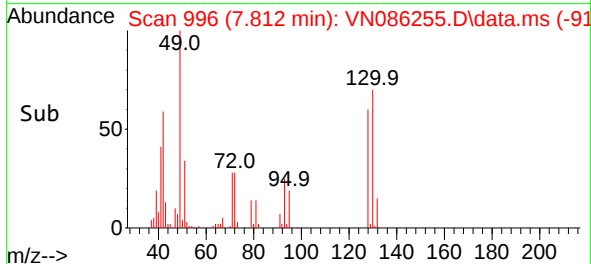
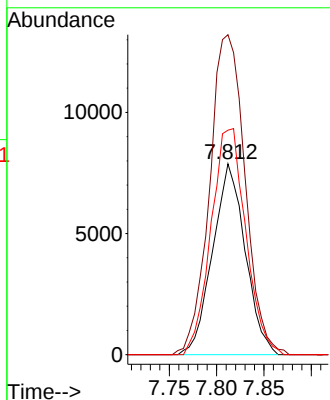
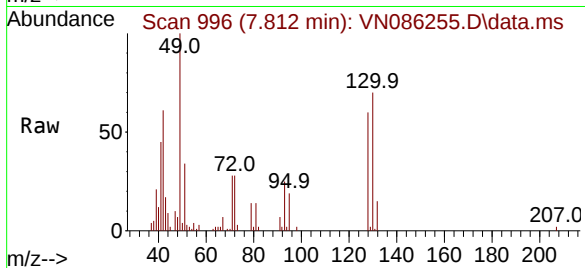




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

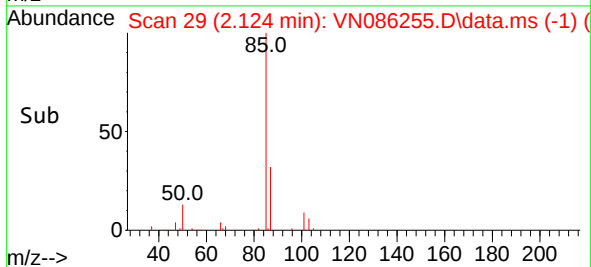
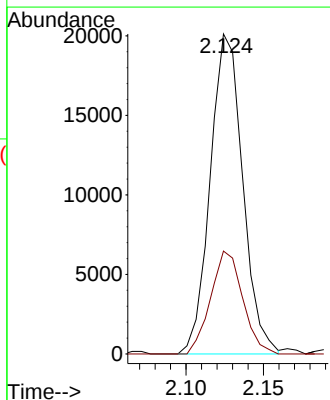
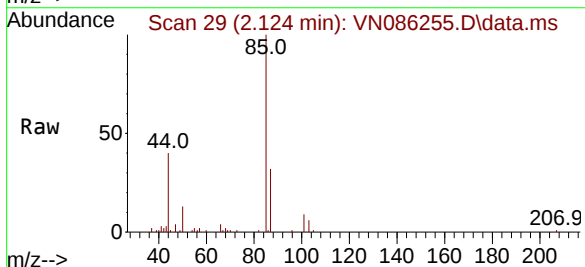
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

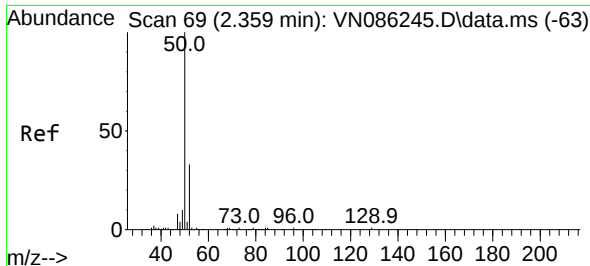
Tgt Ion:128 Resp: 18884  
Ion Ratio Lower Upper  
128 100  
49 182.5 0.0 452.5  
130 126.4 0.0 315.0



#2  
Dichlorodifluoromethane  
Concen: 19.378 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 85 Resp: 29320  
Ion Ratio Lower Upper  
85 100  
87 32.1 16.3 48.9

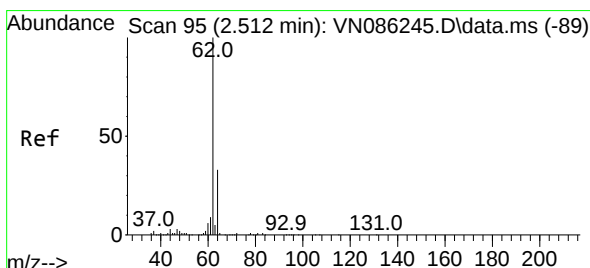
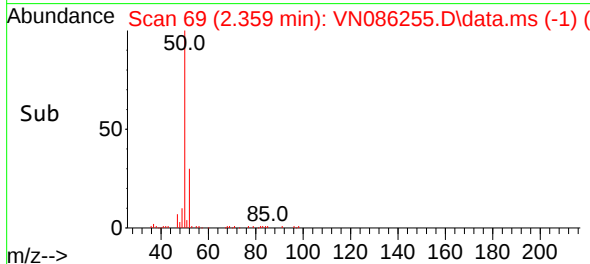
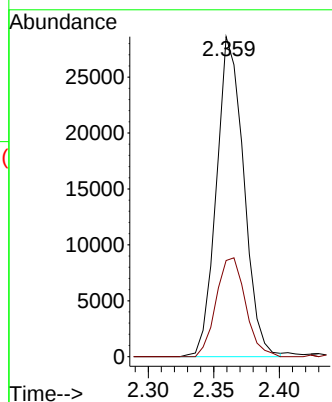
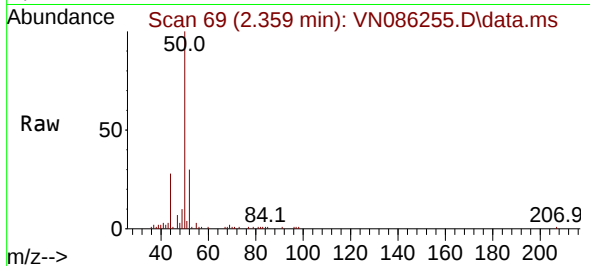




#3  
Chloromethane  
Concen: 19.805 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

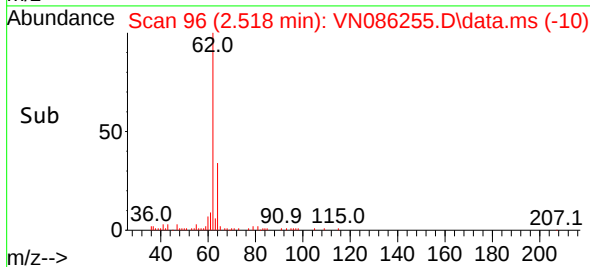
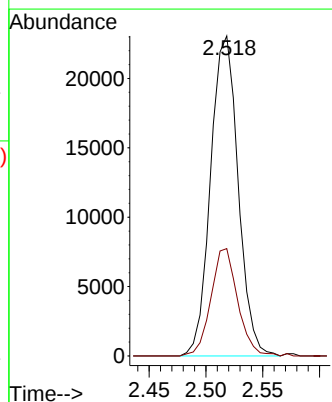
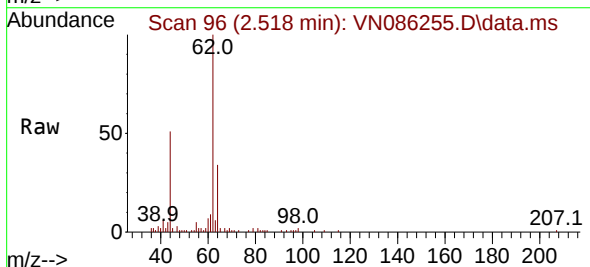
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

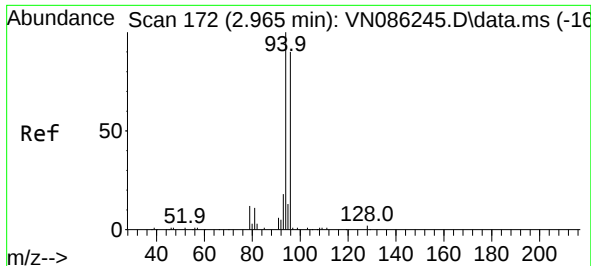
Tgt Ion: 50 Resp: 41417  
Ion Ratio Lower Upper  
50 100  
52 30.1 26.4 39.6



#4  
Vinyl Chloride  
Concen: 19.548 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 62 Resp: 38937  
Ion Ratio Lower Upper  
62 100  
64 33.6 26.3 39.5

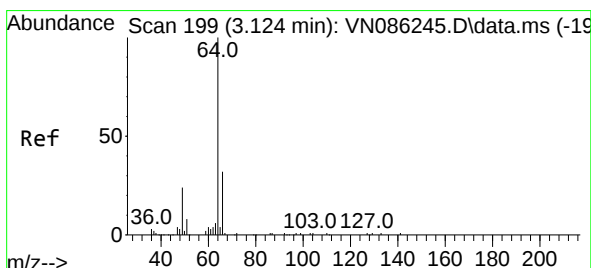
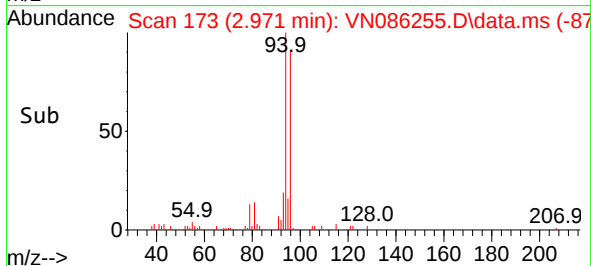
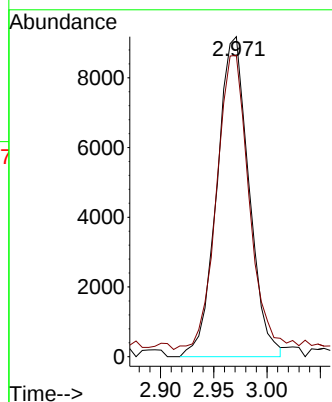
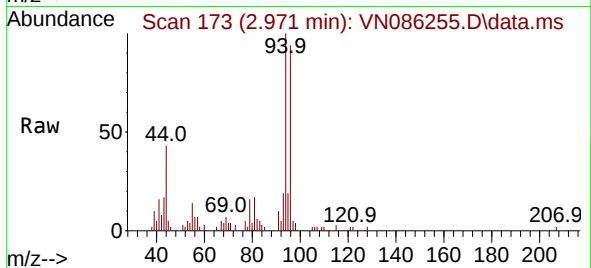




#5  
Bromomethane  
Concen: 19.311 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

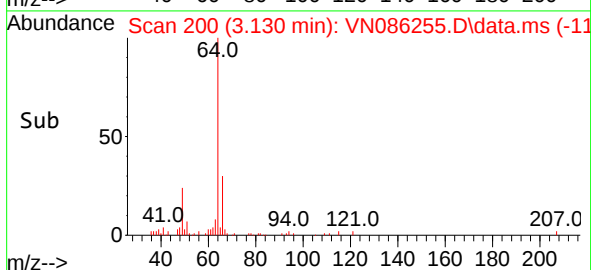
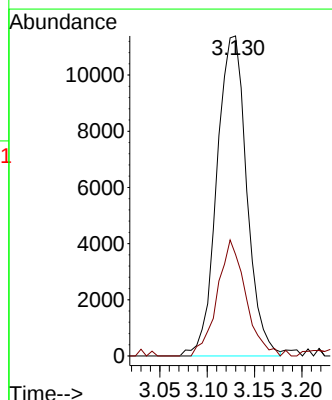
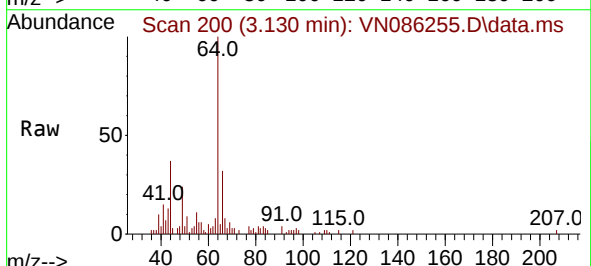
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

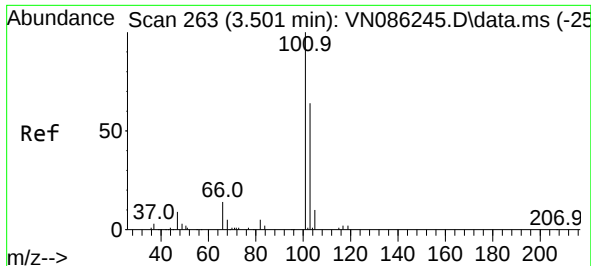
Tgt Ion: 94 Resp: 19187  
Ion Ratio Lower Upper  
94 100  
96 90.8 72.2 108.2



#6  
Chloroethane  
Concen: 19.909 ug/l  
RT: 3.130 min Scan# 200  
Delta R.T. 0.006 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 64 Resp: 25042  
Ion Ratio Lower Upper  
64 100  
66 31.7 25.7 38.5

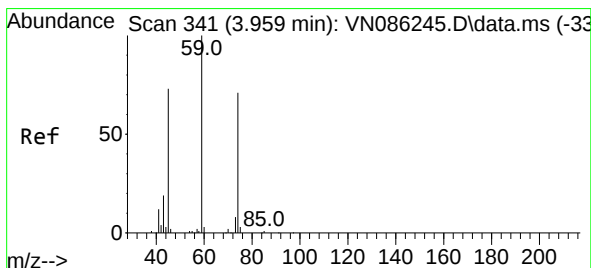
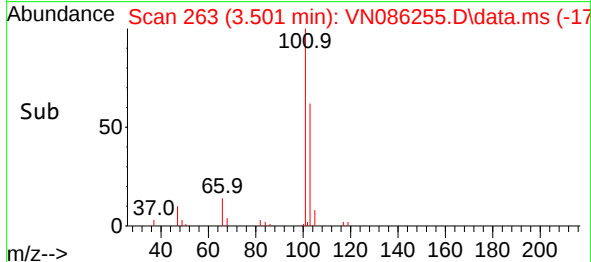
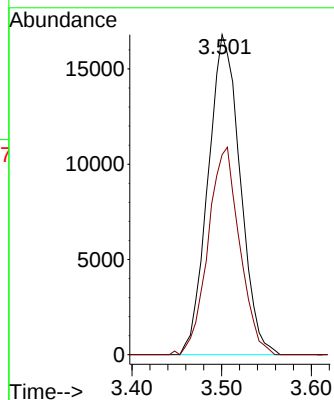
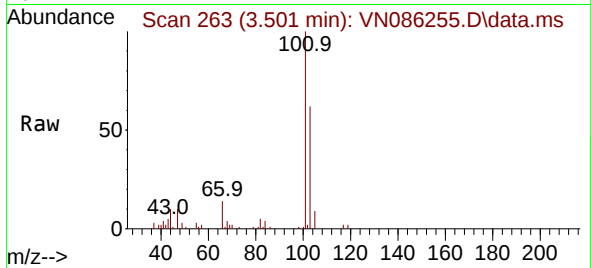




#7  
 Trichlorofluoromethane  
 Concen: 19.342 ug/l  
 RT: 3.501 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN086255.D  
 Acq: 11 Apr 2025 17:28

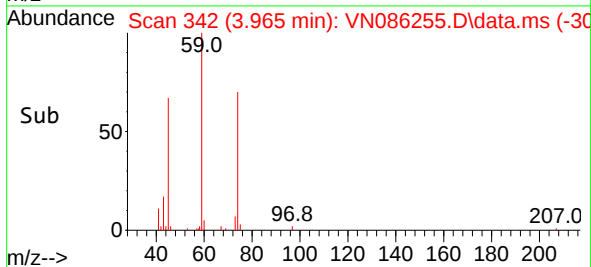
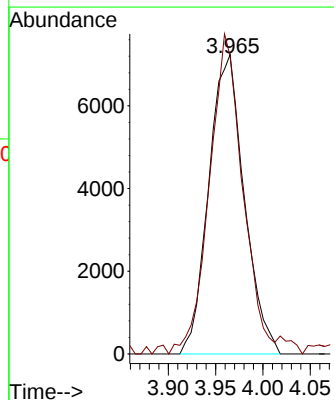
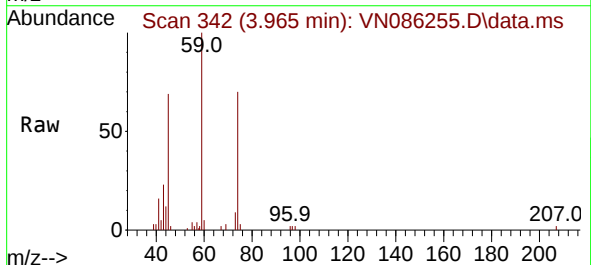
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

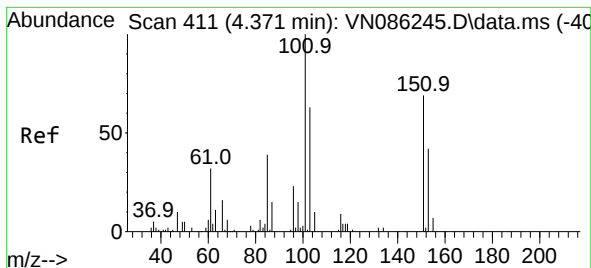
Tgt Ion:101 Resp: 41794  
 Ion Ratio Lower Upper  
 101 100  
 103 62.5 51.2 76.8



#8  
 Diethyl Ether  
 Concen: 18.955 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. 0.006 min  
 Lab File: VN086255.D  
 Acq: 11 Apr 2025 17:28

Tgt Ion: 74 Resp: 18888  
 Ion Ratio Lower Upper  
 74 100  
 45 99.8 19.2 173.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.715 ug/l

RT: 4.377 min Scan# 411

Delta R.T. 0.006 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

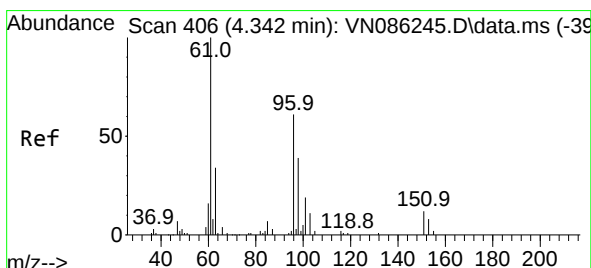
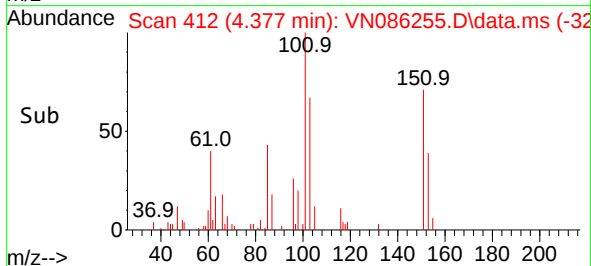
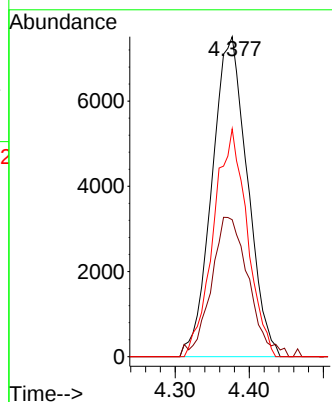
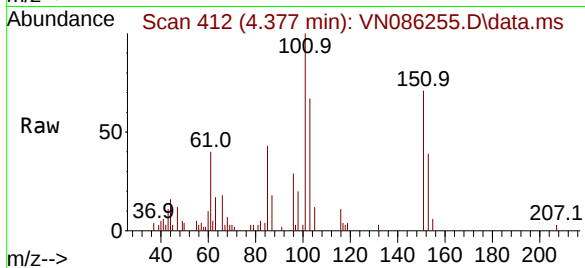
Tgt Ion:101 Resp: 24936

Ion Ratio Lower Upper

101 100

85 41.9 0.0 93.0

151 67.7 0.0 138.6



#10

1,1-Dichloroethene

Concen: 18.753 ug/l

RT: 4.348 min Scan# 407

Delta R.T. 0.006 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

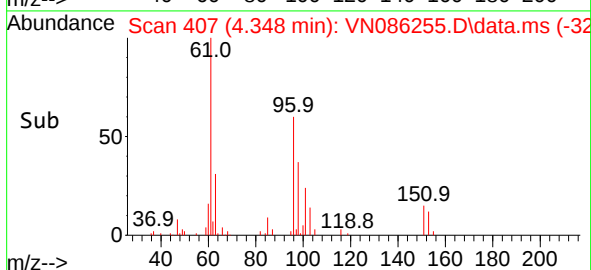
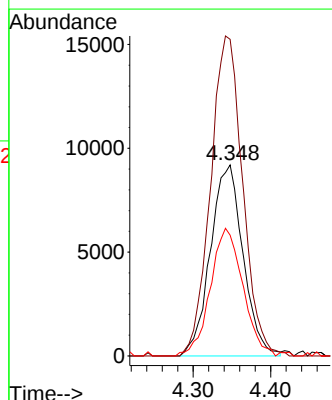
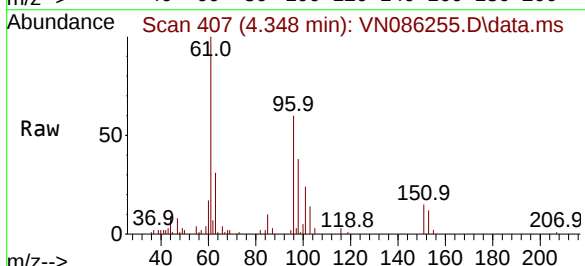
Tgt Ion: 96 Resp: 26966

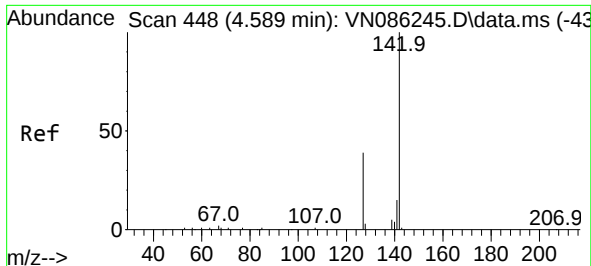
Ion Ratio Lower Upper

96 100

61 165.8 131.1 196.7

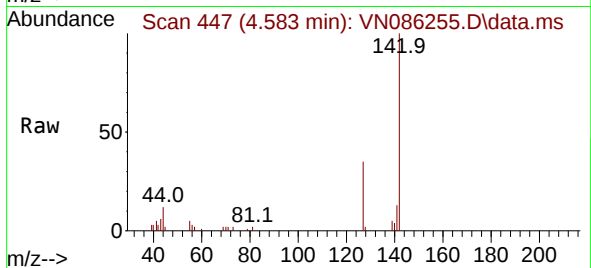
98 61.5 51.6 77.4



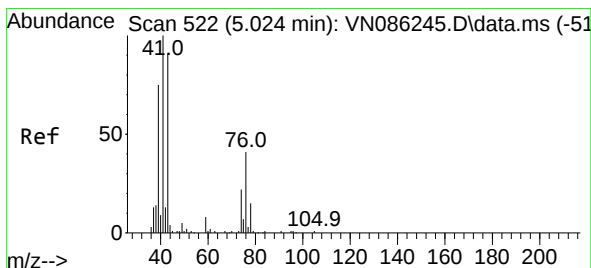
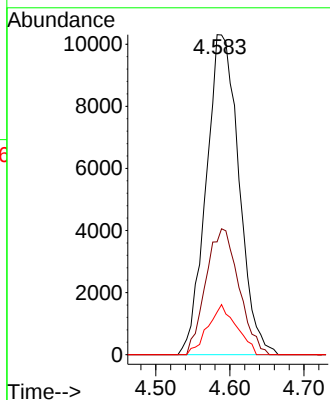
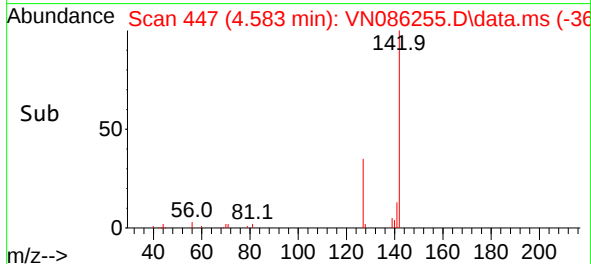


#11  
Methyl Iodide  
Concen: 19.145 ug/l  
RT: 4.583 min Scan# 448  
Delta R.T. -0.006 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

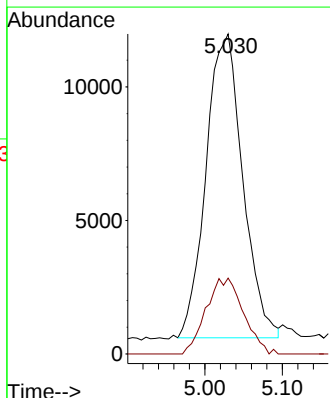
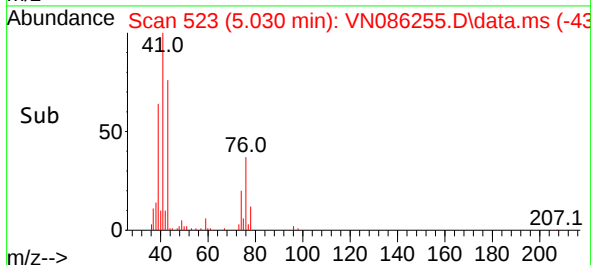
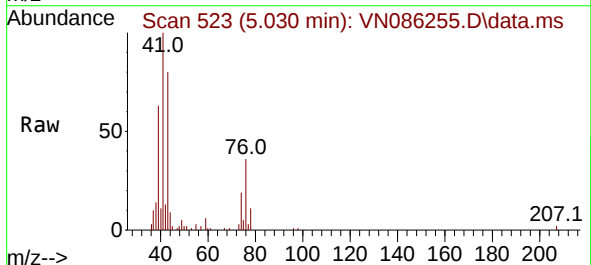


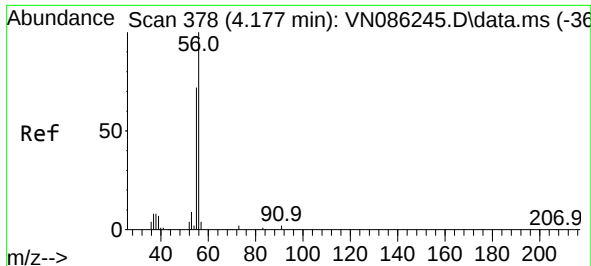
Tgt Ion:142 Resp: 31641  
Ion Ratio Lower Upper  
142 100  
127 35.3 19.6 58.8  
141 13.3 7.3 21.9



#12  
Methyl Acetate  
Concen: 18.433 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. 0.006 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 43 Resp: 37430  
Ion Ratio Lower Upper  
43 100  
74 25.4 19.1 28.7

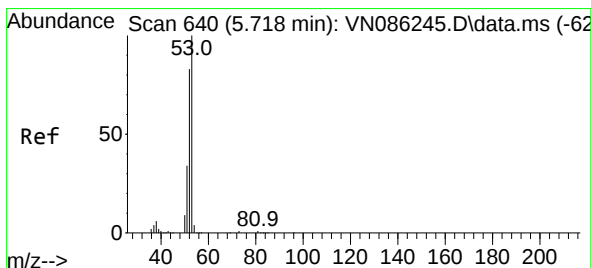
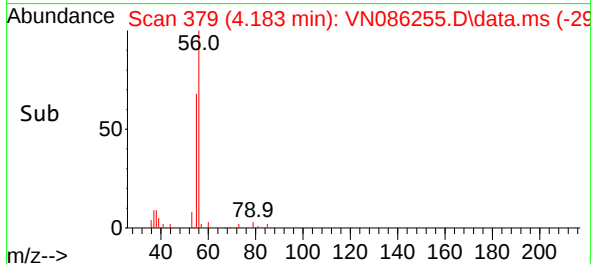
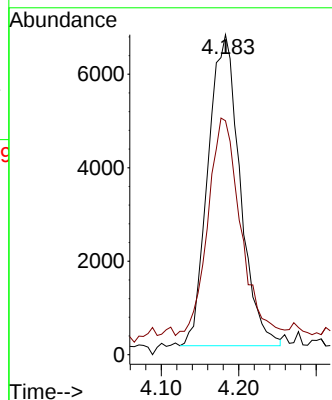
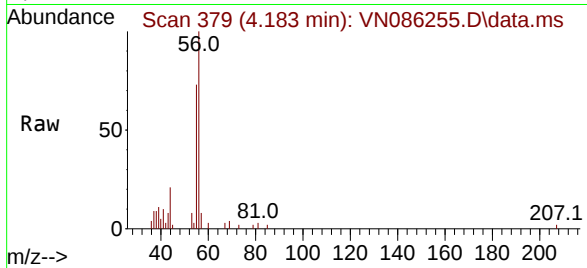




#13  
Acrolein  
Concen: 82.706 ug/l  
RT: 4.183 min Scan# 379  
Delta R.T. 0.006 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

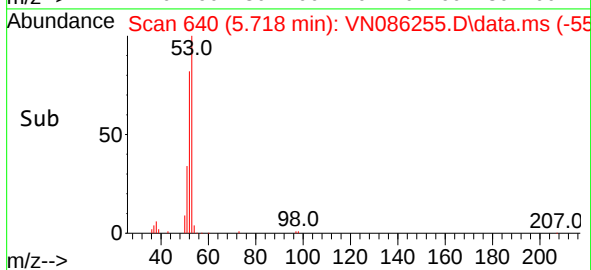
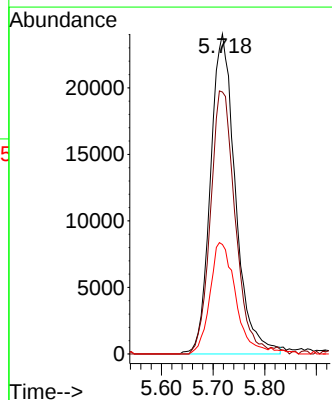
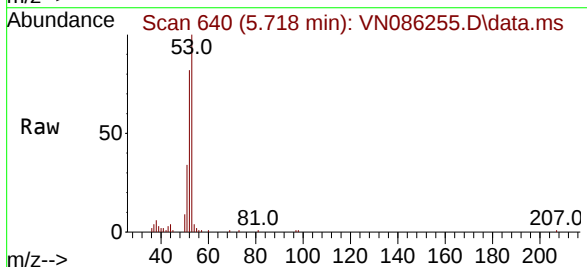
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

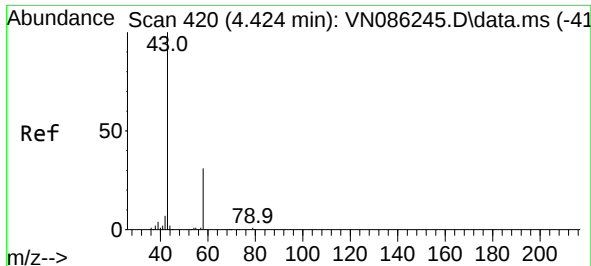
Tgt Ion: 56 Resp: 19090  
Ion Ratio Lower Upper  
56 100  
55 73.3 56.5 84.7



#14  
Acrylonitrile  
Concen: 94.238 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 53 Resp: 80784  
Ion Ratio Lower Upper  
53 100  
52 81.0 40.2 120.6  
51 35.6 17.5 52.6

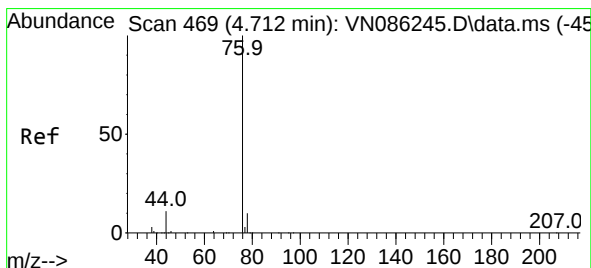
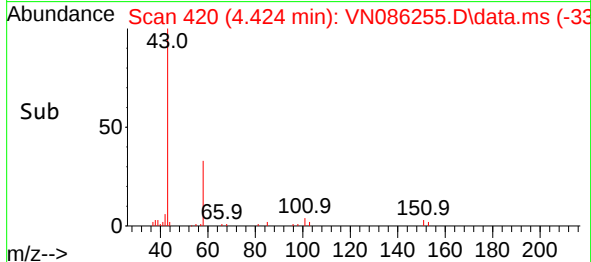
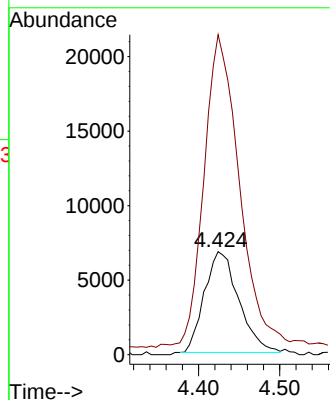
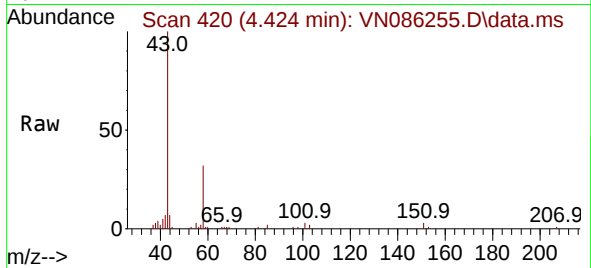




#15  
Acetone  
Concen: 91.311 ug/l  
RT: 4.424 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

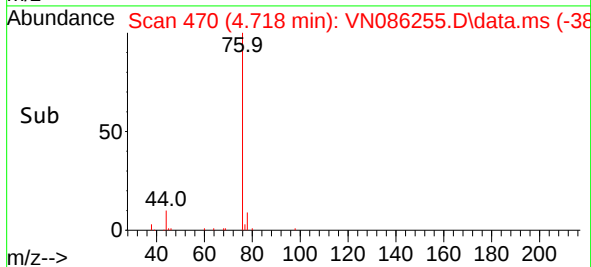
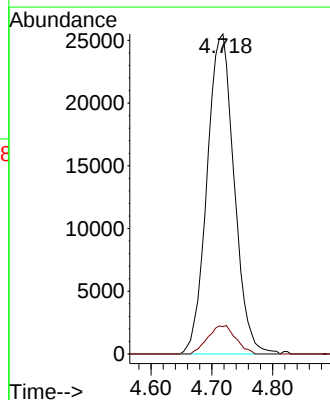
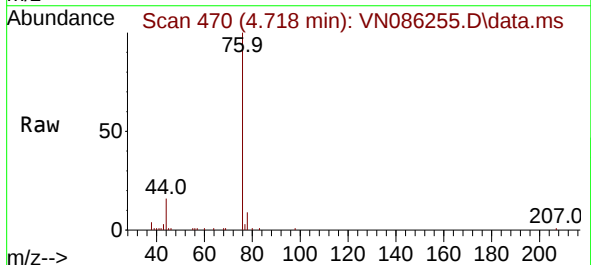
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

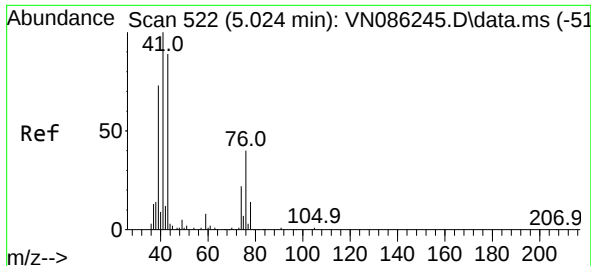
Tgt Ion: 58 Resp: 19847  
Ion Ratio Lower Upper  
58 100  
43 305.8 261.8 392.8



#16  
Carbon Disulfide  
Concen: 19.148 ug/l  
RT: 4.718 min Scan# 470  
Delta R.T. 0.006 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 76 Resp: 78952  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.7 11.5





#17

Allyl chloride

Concen: 19.596 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

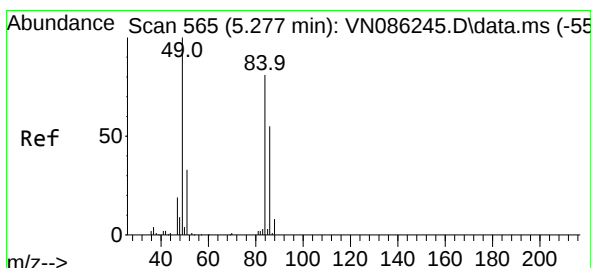
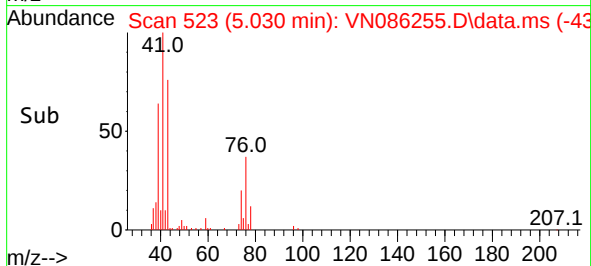
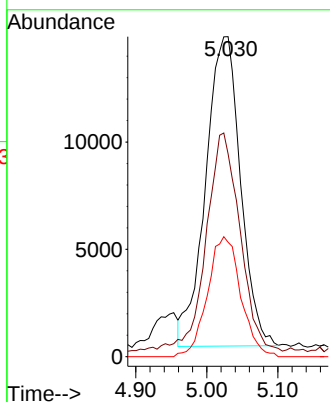
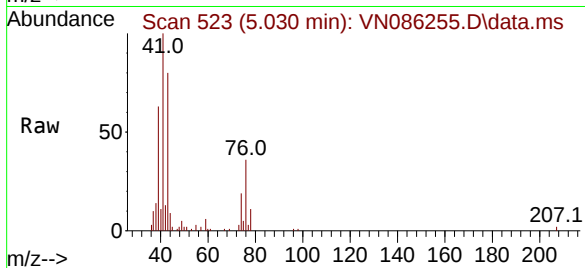
Tgt Ion: 41 Resp: 49113

Ion Ratio Lower Upper

41 100

39 63.0 34.4 103.2

76 37.1 18.8 56.3



#18

Methylene Chloride

Concen: 19.010 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

Tgt Ion: 84 Resp: 31167

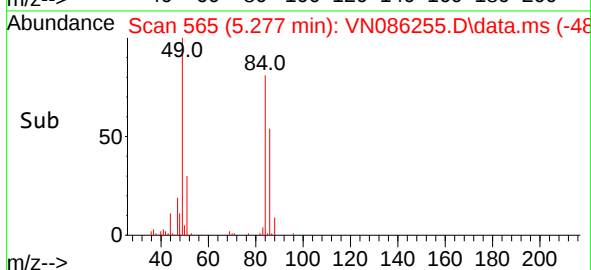
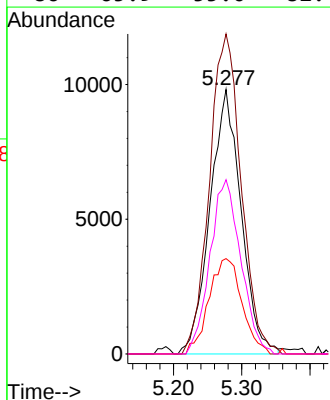
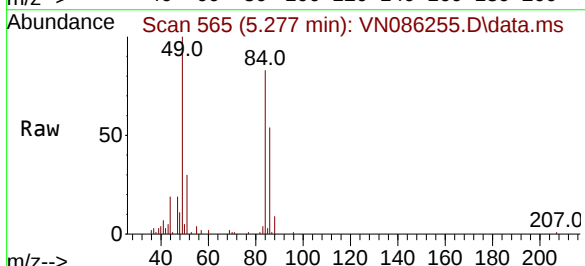
Ion Ratio Lower Upper

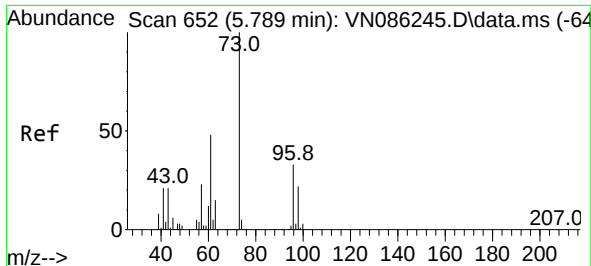
84 100

49 121.0 99.1 148.7

51 36.1 32.3 48.5

86 65.9 55.0 82.4

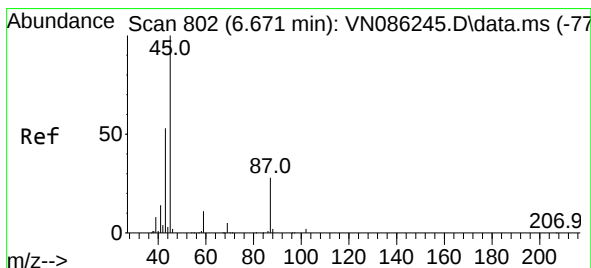
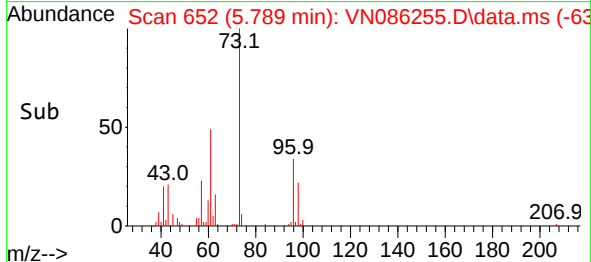
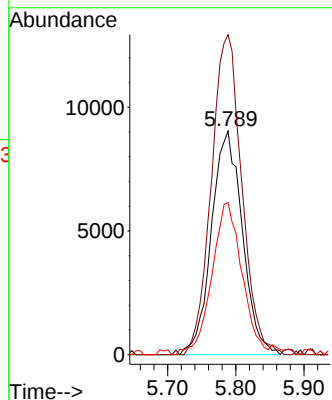
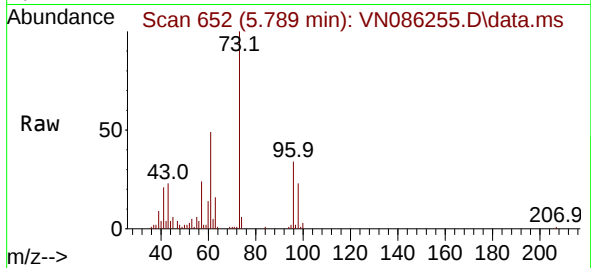




#19  
trans-1,2-Dichloroethene  
Concen: 18.843 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

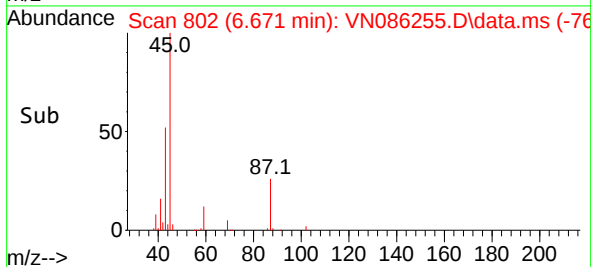
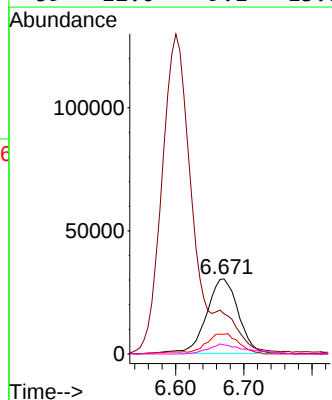
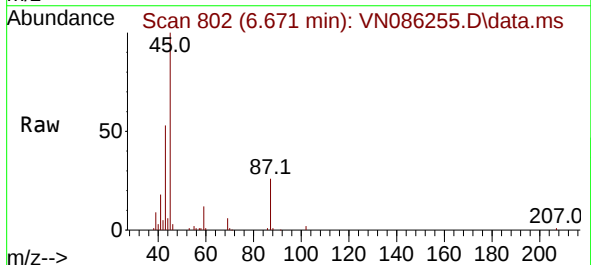
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

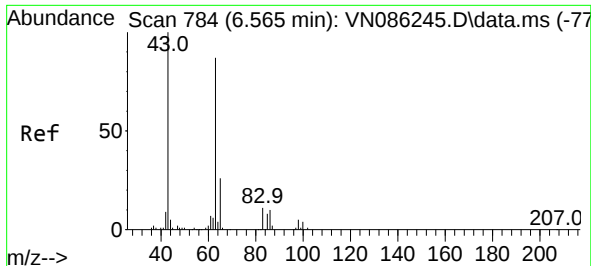
Tgt Ion: 96 Resp: 28540  
Ion Ratio Lower Upper  
96 100  
61 143.1 115.9 173.9  
98 65.6 52.1 78.1



#20  
Diisopropyl ether  
Concen: 17.775 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 45 Resp: 95774  
Ion Ratio Lower Upper  
45 100  
43 51.0 42.3 63.5  
87 26.4 22.2 33.4  
59 12.0 9.1 13.7





#21

1,1-Dichloroethane

Concen: 19.295 ug/l

RT: 6.571 min Scan# 784

Delta R.T. 0.006 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

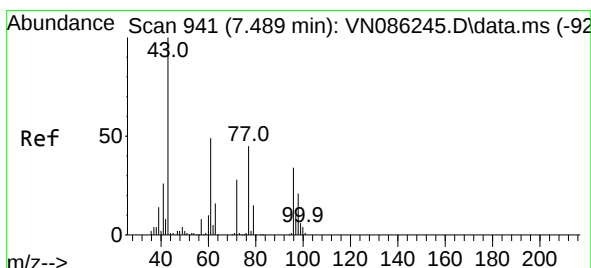
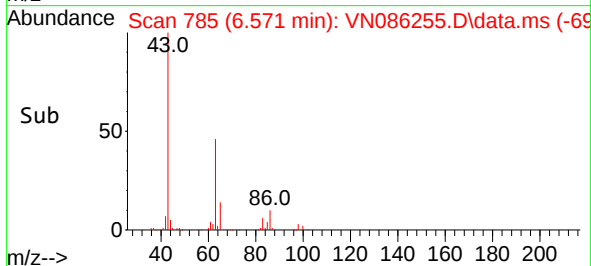
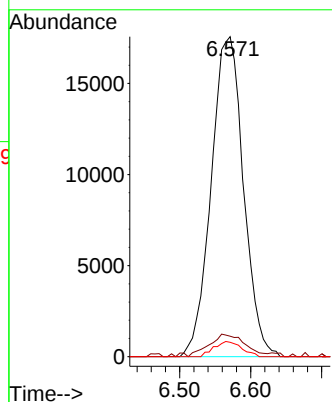
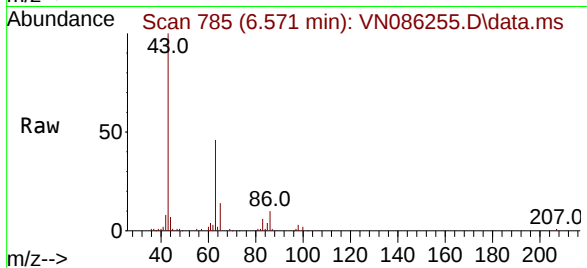
Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 55465 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 5.3   | 3.1   | 9.3   |
| 100       | 4.5   | 2.3   | 6.9   |



#22

cis-1,2-Dichloroethene

Concen: 19.057 ug/l

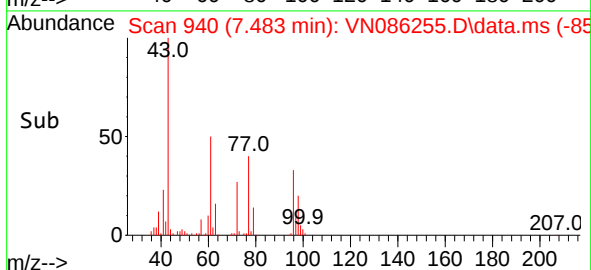
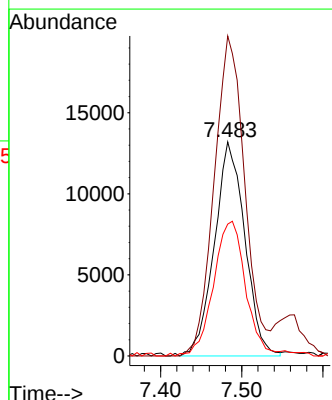
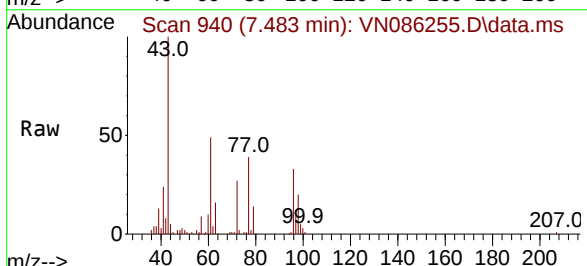
RT: 7.483 min Scan# 940

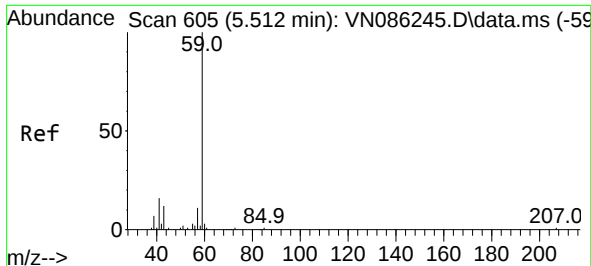
Delta R.T. -0.006 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 34384 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 150.8 | 119.5 | 179.3 |
| 98        | 62.9  | 51.0  | 76.6  |

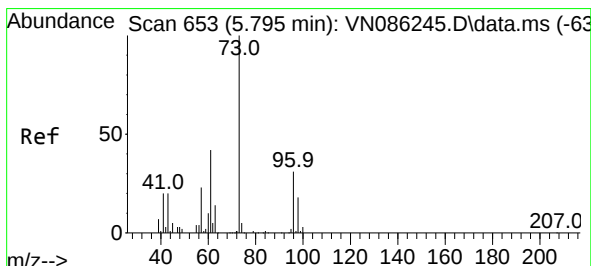
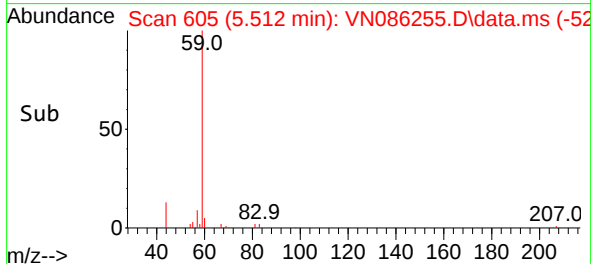
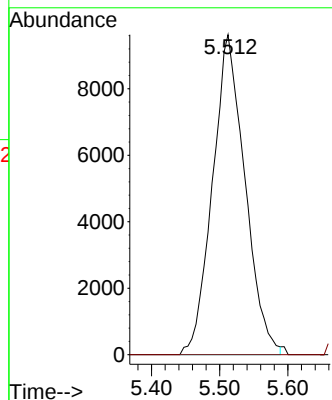
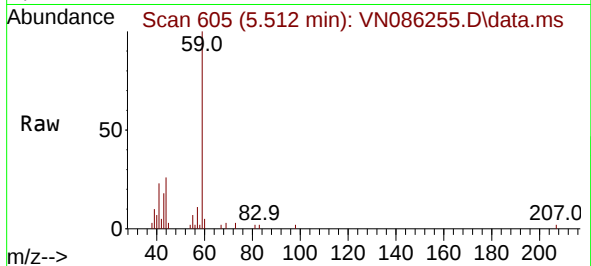




#23  
tert-Butyl Alcohol  
Concen: 89.739 ug/l  
RT: 5.512 min Scan# 605  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

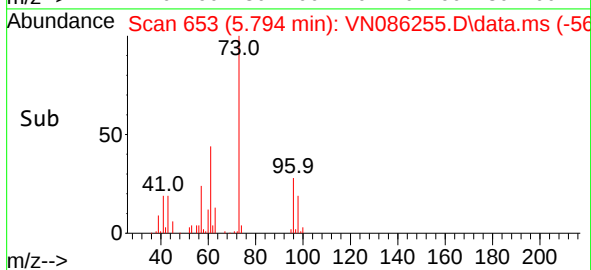
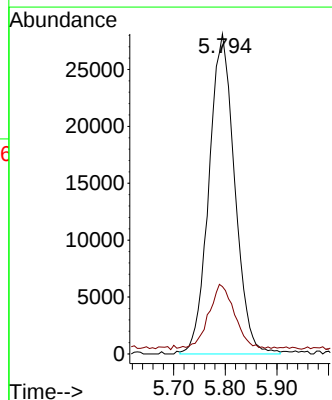
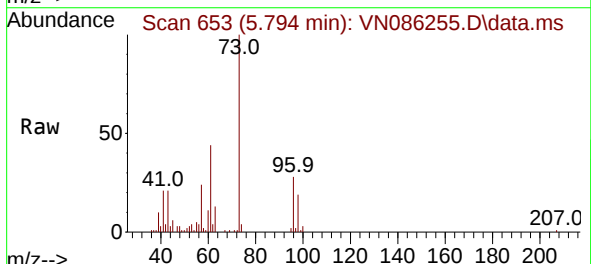
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

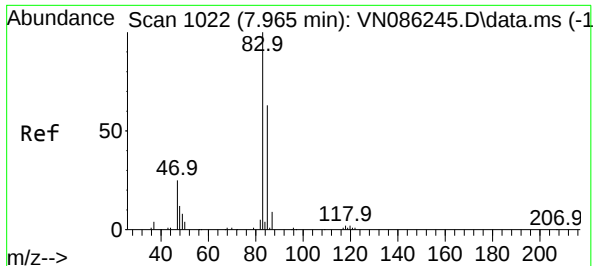
Tgt Ion: 59 Resp: 31875  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 18.777 ug/l  
RT: 5.794 min Scan# 653  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 73 Resp: 97437  
Ion Ratio Lower Upper  
73 100  
43 20.0 16.8 25.2





#25

Chloroform

Concen: 19.423 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

Instrument :

MSVOA\_N

ClientSampleId :

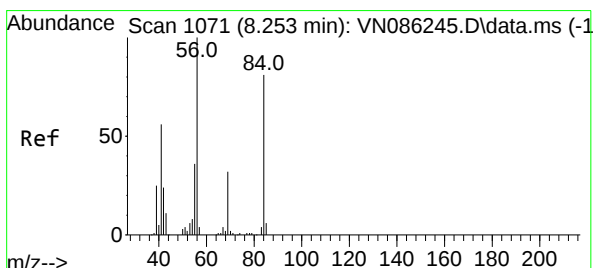
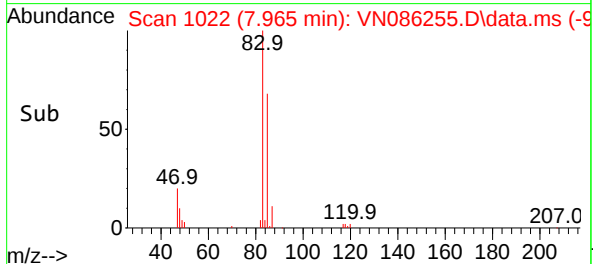
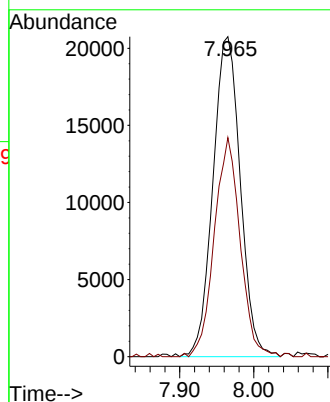
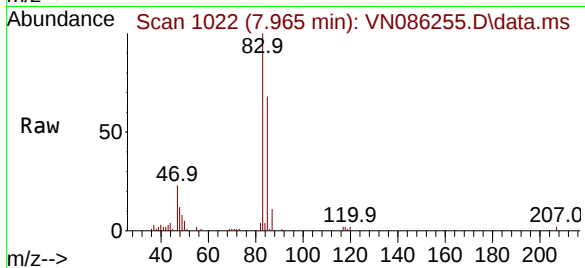
VSTDCCC020EC

Tgt Ion: 83 Resp: 53242

Ion Ratio Lower Upper

83 100

85 68.5 50.5 75.7



#26

Cyclohexane

Concen: 18.733 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

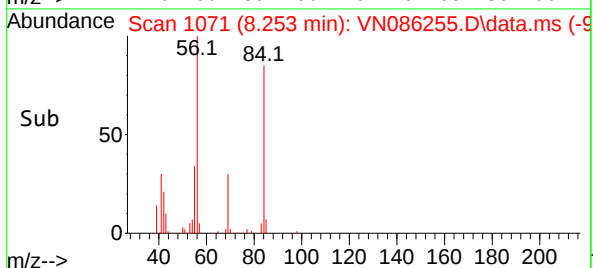
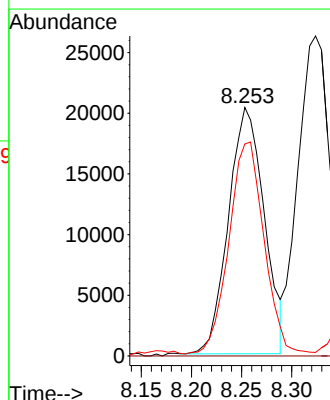
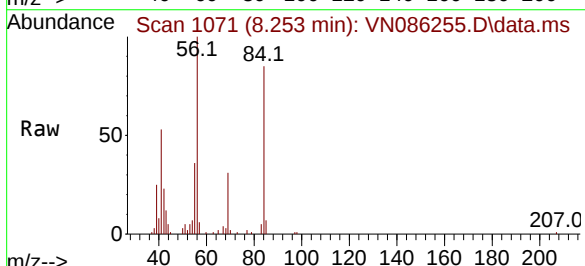
Tgt Ion: 56 Resp: 50381

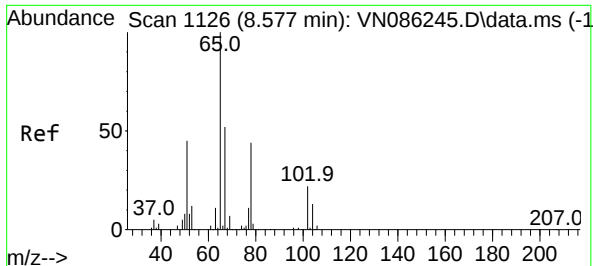
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 86.9 69.0 103.4

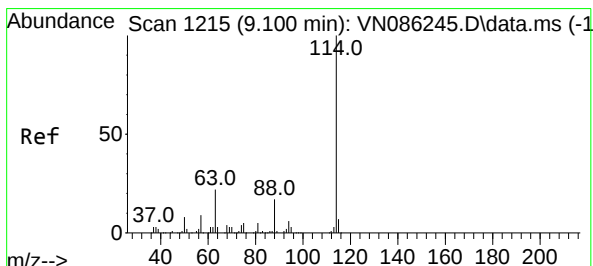
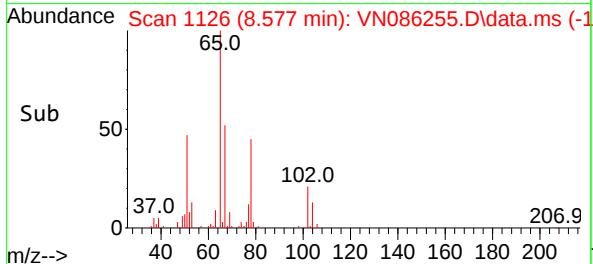
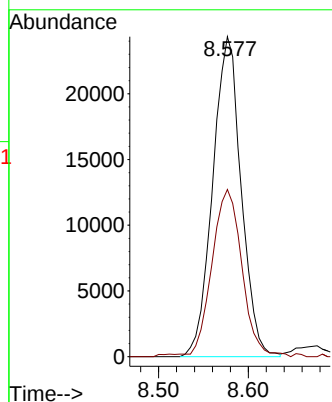
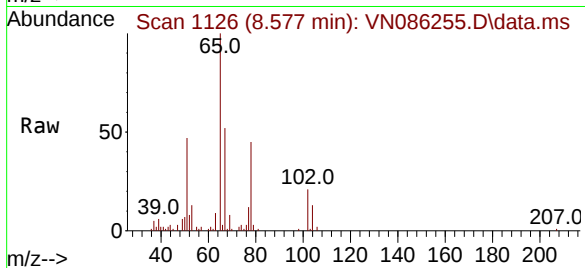




#27  
1,2-Dichloroethane-d4  
Concen: 29.085 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

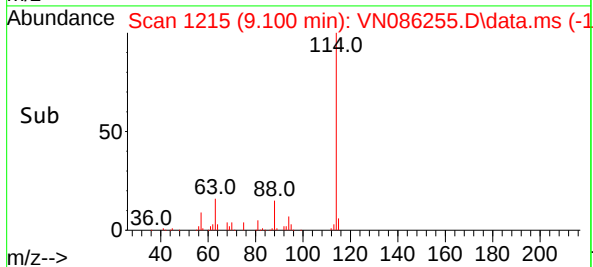
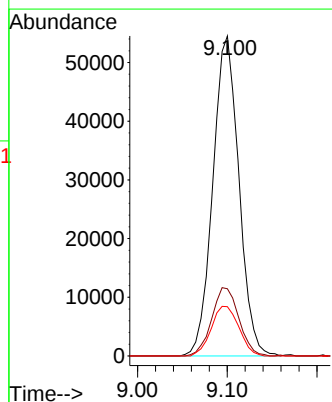
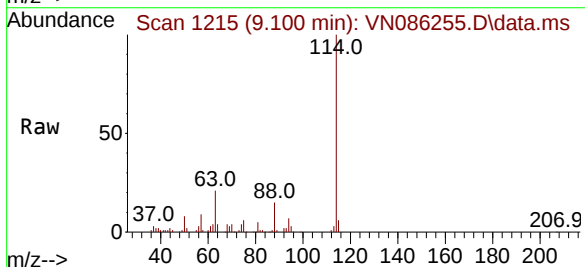
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

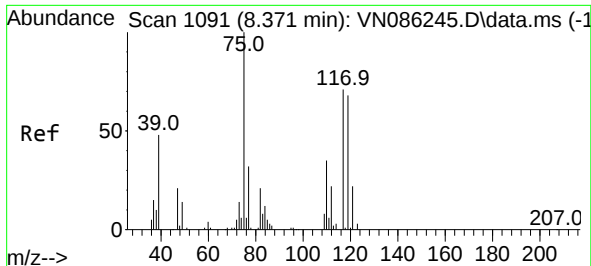
Tgt Ion: 65 Resp: 53571  
Ion Ratio Lower Upper  
65 100  
67 54.5 43.4 65.2



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 114 Resp: 109876  
Ion Ratio Lower Upper  
114 100  
63 22.3 17.8 26.6  
88 16.5 13.4 20.2





#29

1,1-Dichloropropene

Concen: 19.965 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.000 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

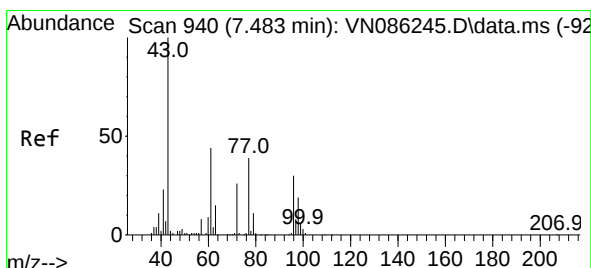
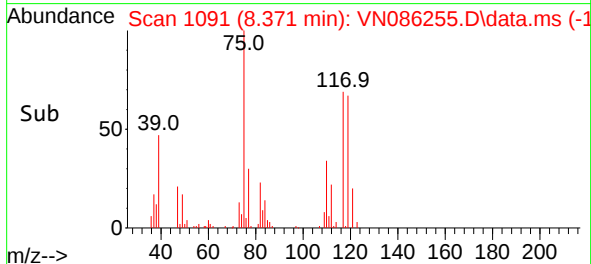
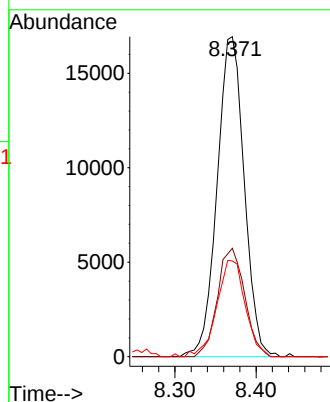
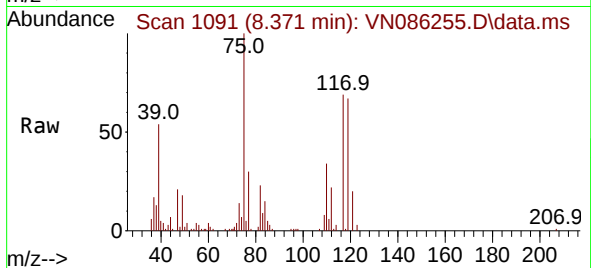
Tgt Ion: 75 Resp: 39298

Ion Ratio Lower Upper

75 100

110 34.1 0.0 68.6

77 31.5 0.0 63.8



#30

2-Butanone

Concen: 96.889 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.006 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

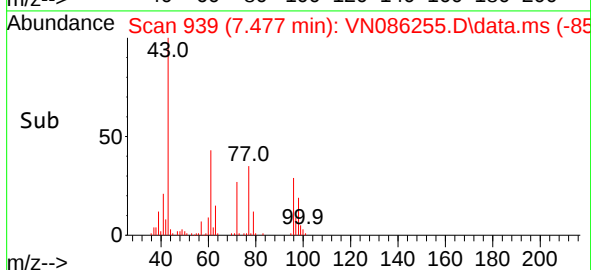
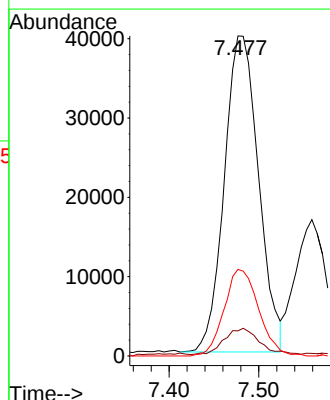
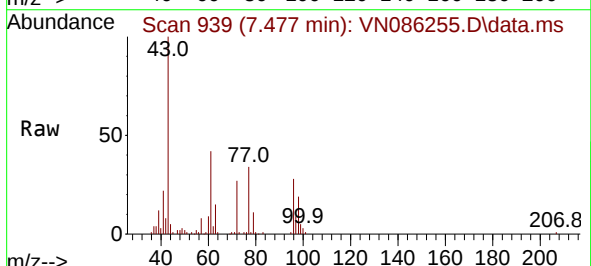
Tgt Ion: 43 Resp: 105674

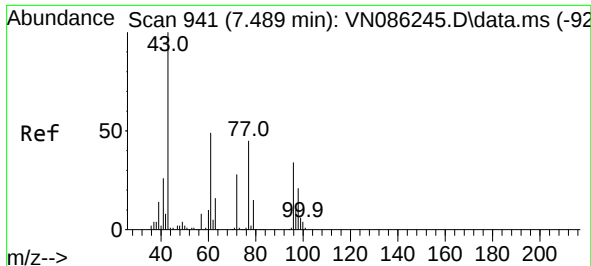
Ion Ratio Lower Upper

43 100

57 8.0 6.4 9.6

72 27.4 21.5 32.3

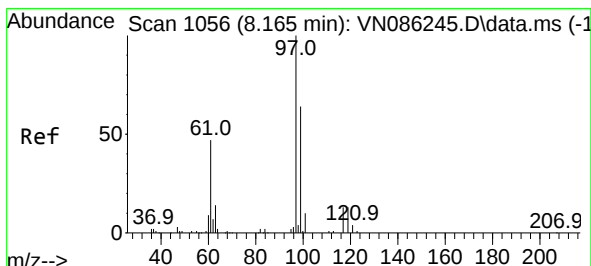
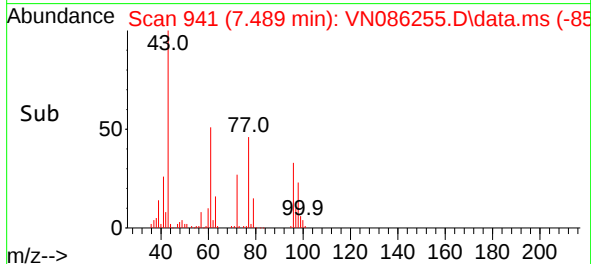
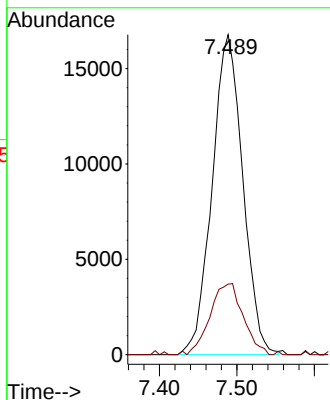
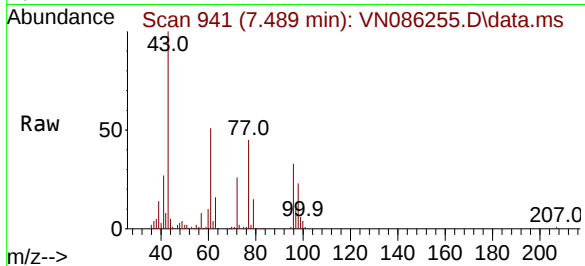




#31  
2,2-Dichloropropane  
Concen: 19.045 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

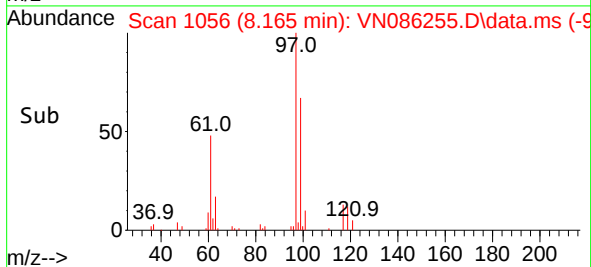
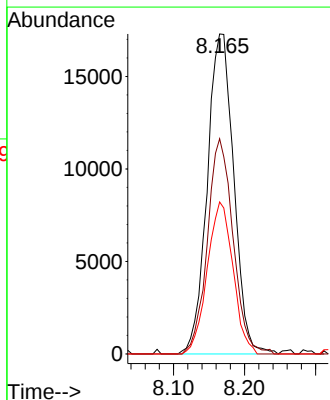
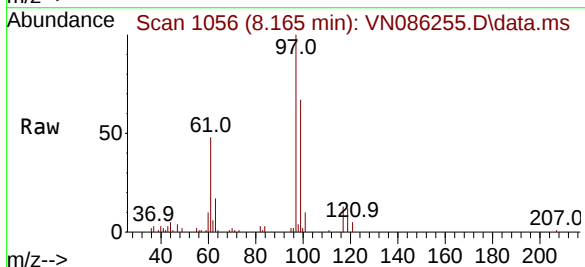
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

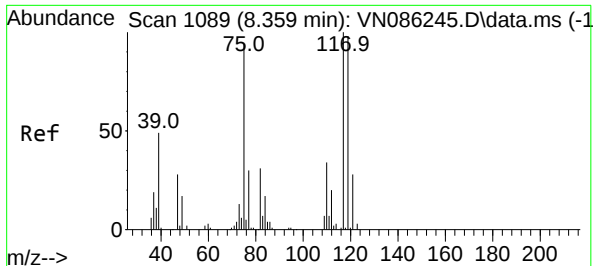
Tgt Ion: 77 Resp: 46144  
Ion Ratio Lower Upper  
77 100  
97 23.9 18.8 28.2



#32  
1,1,1-Trichloroethane  
Concen: 19.825 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 97 Resp: 44888  
Ion Ratio Lower Upper  
97 100  
99 65.1 51.4 77.2  
61 46.0 37.0 55.6





#33

Carbon Tetrachloride

Concen: 19.444 ug/l

RT: 8.359 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

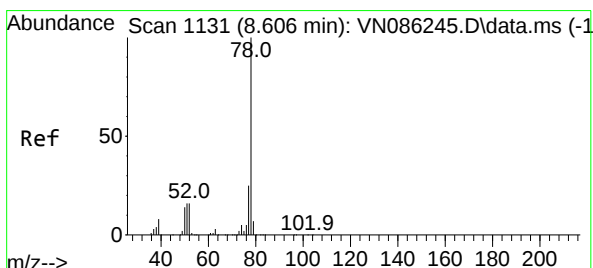
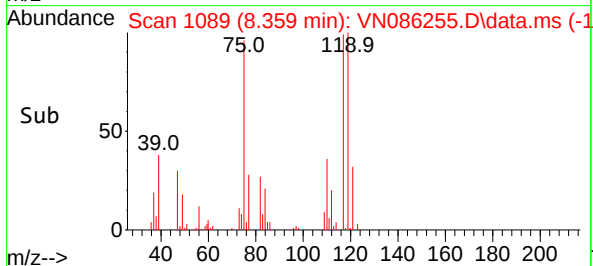
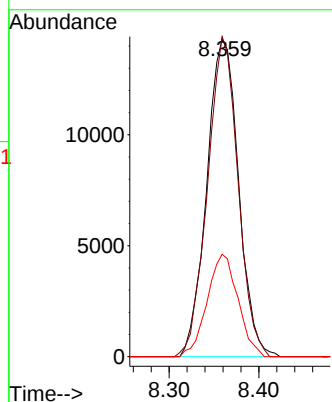
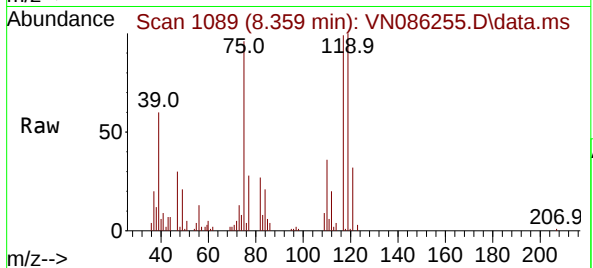
Tgt Ion:117 Resp: 35183

Ion Ratio Lower Upper

117 100

119 100.7 78.3 117.5

121 32.2 22.5 33.7



#34

Benzene

Concen: 19.909 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

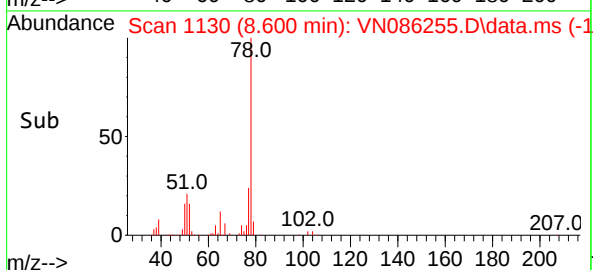
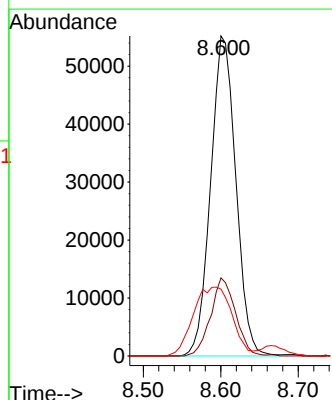
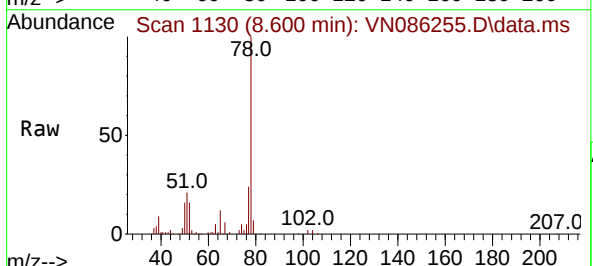
Tgt Ion: 78 Resp: 124673

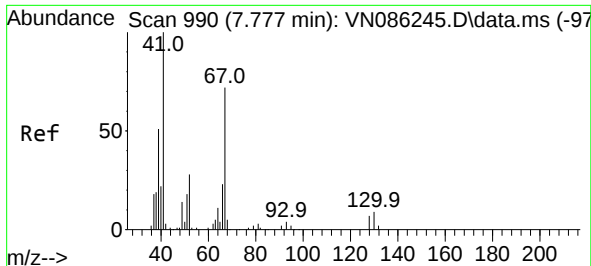
Ion Ratio Lower Upper

78 100

77 24.4 20.0 30.0

51 18.5 12.9 19.3

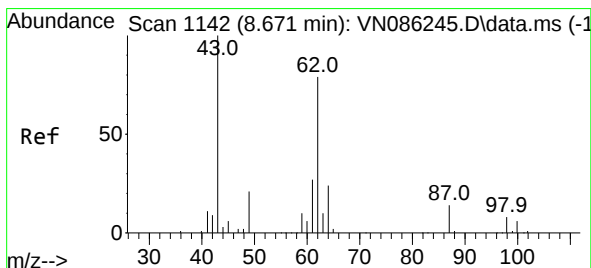
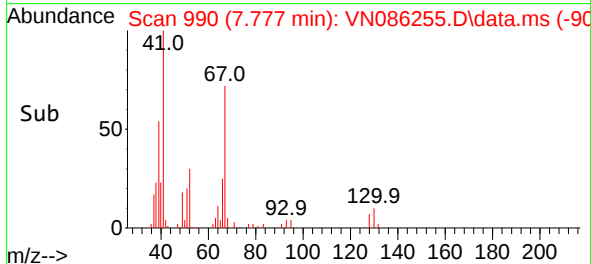
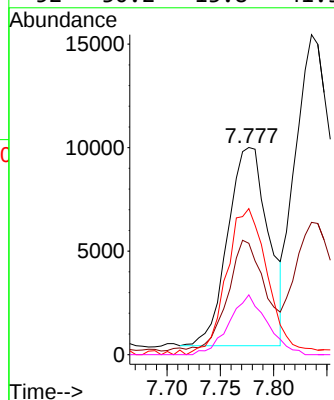
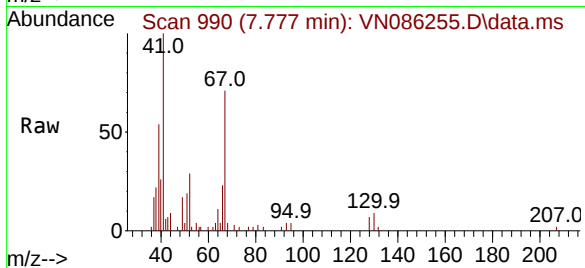




#35  
Methacrylonitrile  
Concen: 20.728 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

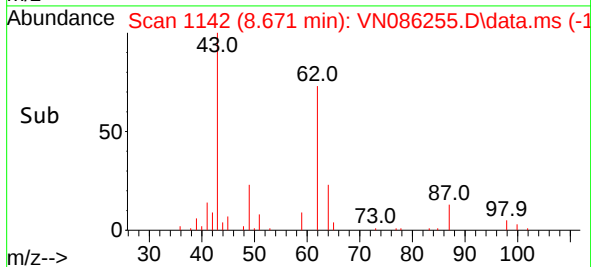
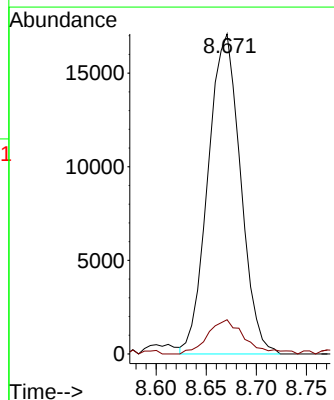
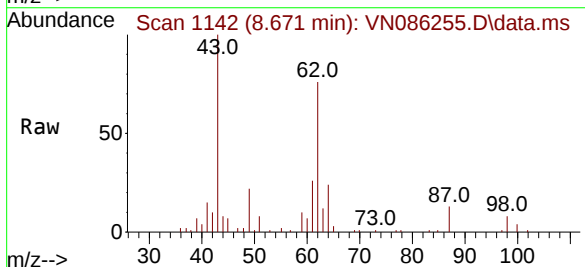
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

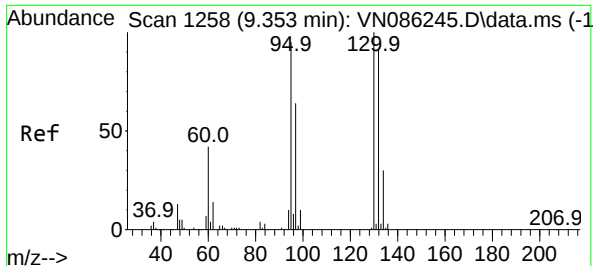
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 25486 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 52.8  | 25.8  | 77.3  |
| 67       | 71.4  | 36.0  | 108.0 |
| 52       | 30.2  | 13.8  | 41.3  |



#36  
1,2-Dichloroethane  
Concen: 19.705 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 38614 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 11.9  | 8.6   | 12.8  |





#37

Trichloroethene

Concen: 18.904 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

Instrument :

MSVOA\_N

ClientSampleId :

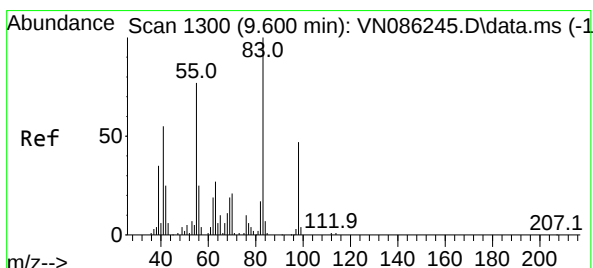
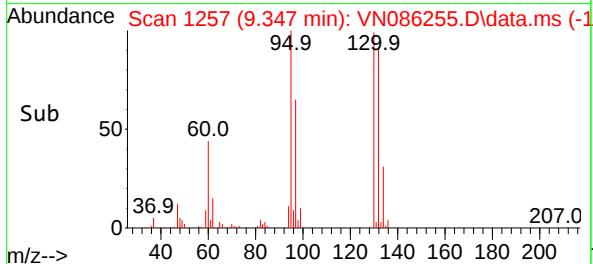
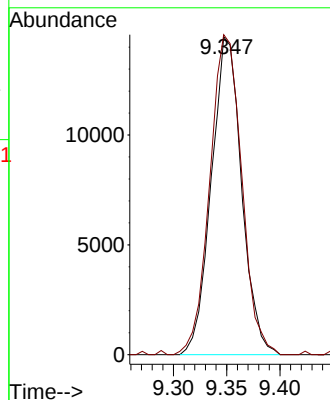
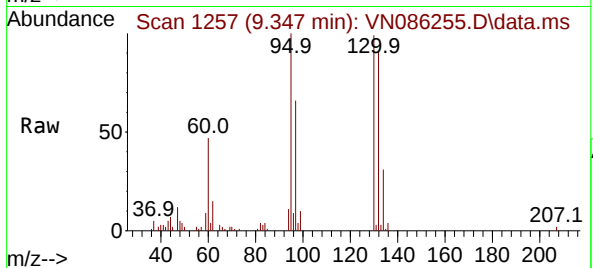
VSTDCCC020EC

Tgt Ion:130 Resp: 28562

Ion Ratio Lower Upper

130 100

95 100.7 76.4 114.6



#38

Methylcyclohexane

Concen: 18.901 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

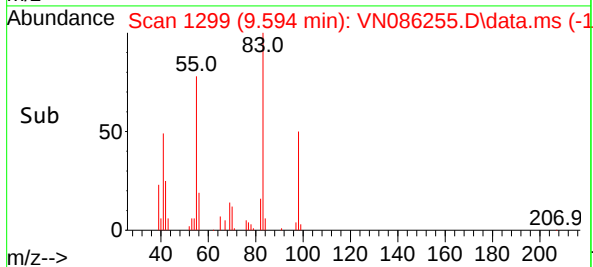
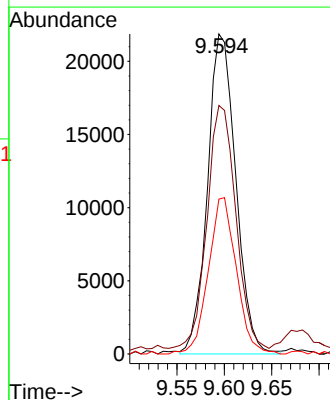
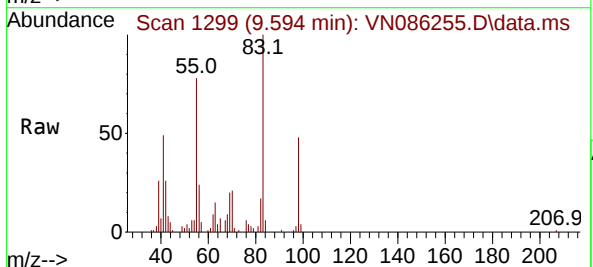
Tgt Ion: 83 Resp: 45627

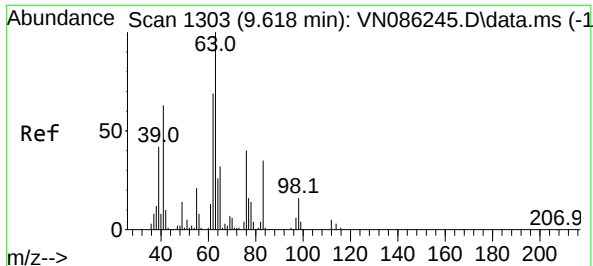
Ion Ratio Lower Upper

83 100

55 77.7 38.5 115.5

98 48.0 24.4 73.2





#39

1,2-Dichloropropane

Concen: 19.693 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

Instrument :

MSVOA\_N

ClientSampleId :

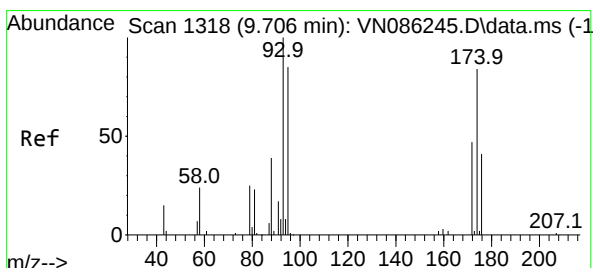
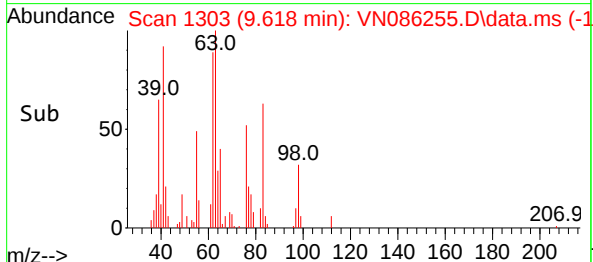
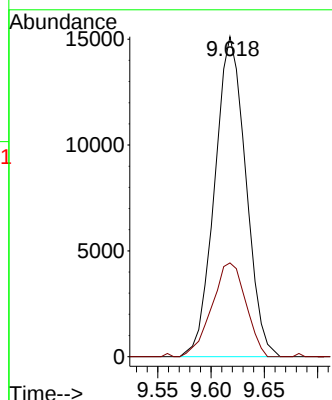
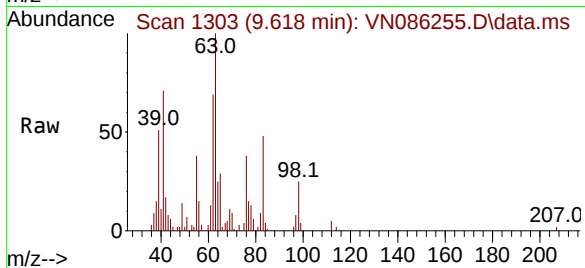
VSTDCCC020EC

Tgt Ion: 63 Resp: 30685

Ion Ratio Lower Upper

63 100

65 29.3 26.0 39.0



#40

Dibromomethane

Concen: 19.875 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

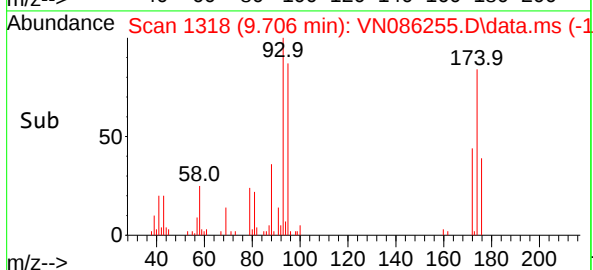
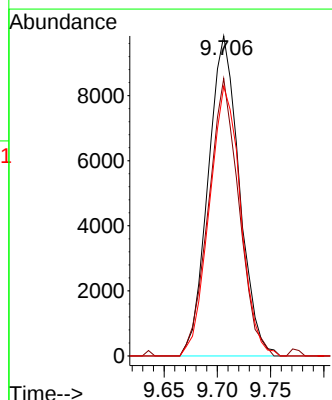
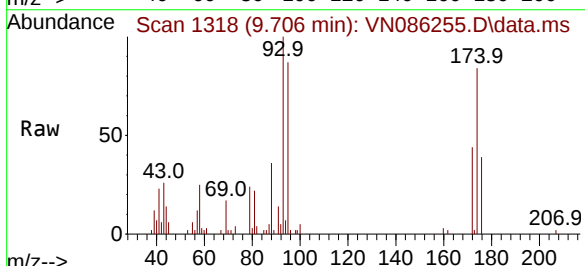
Tgt Ion: 93 Resp: 20002

Ion Ratio Lower Upper

93 100

95 84.4 0.0 169.0

174 84.5 0.0 168.0

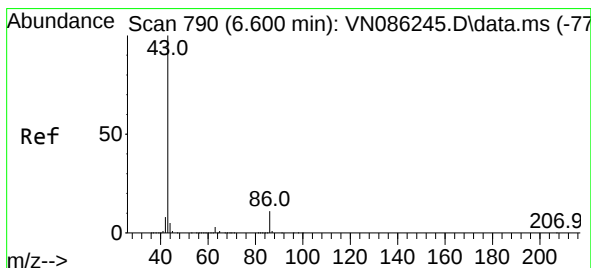
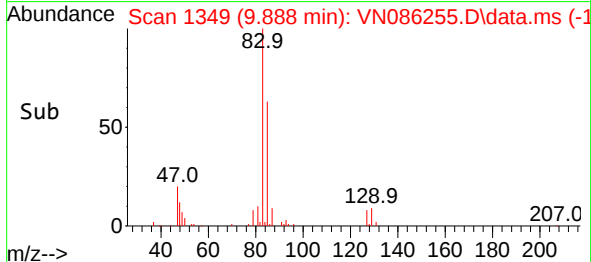
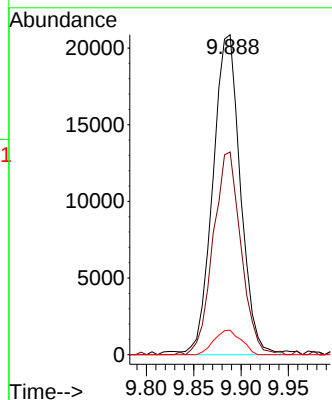
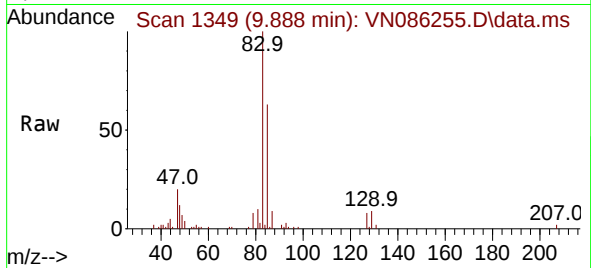




#41  
Bromodichloromethane  
Concen: 19.539 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

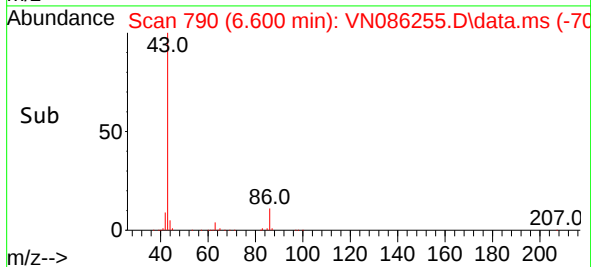
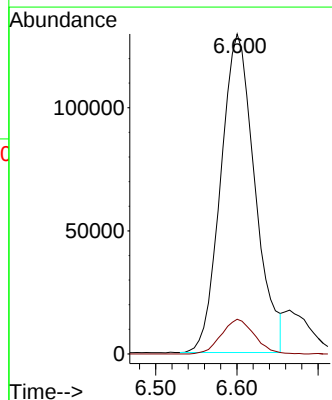
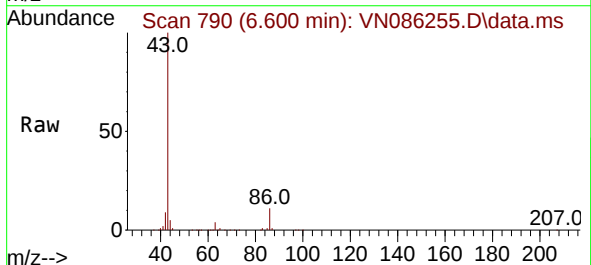
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

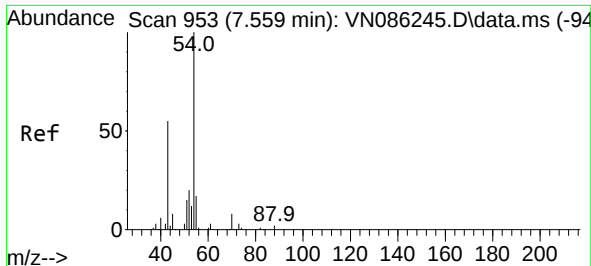
Tgt Ion: 83 Resp: 42242  
Ion Ratio Lower Upper  
83 100  
85 63.0 50.2 75.2  
127 7.7 6.2 9.4



#42  
Vinyl Acetate  
Concen: 101.896 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 43 Resp: 378299  
Ion Ratio Lower Upper  
43 100  
86 10.6 8.4 12.6

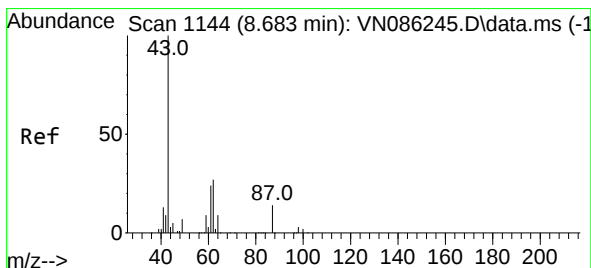
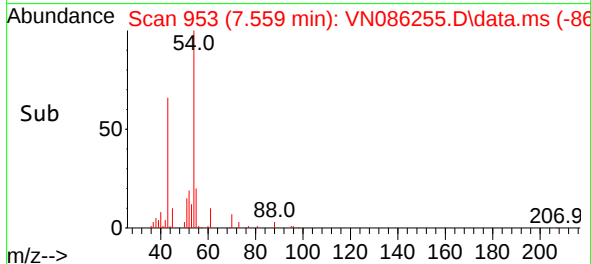
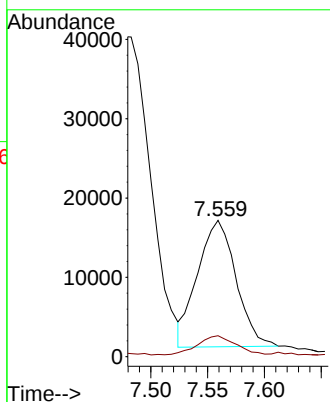
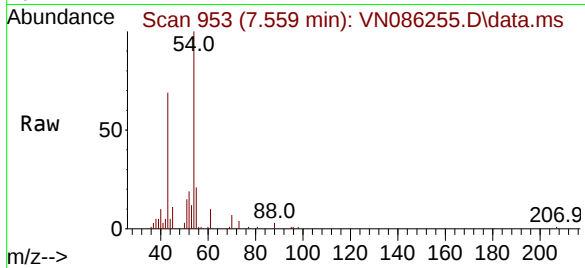




#43  
Ethyl Acetate  
Concen: 17.072 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

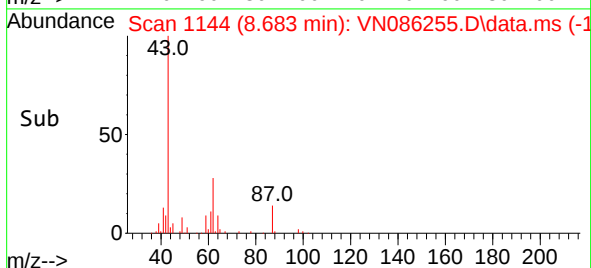
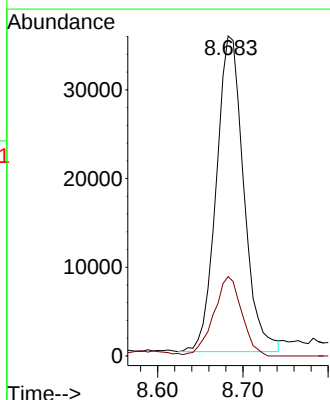
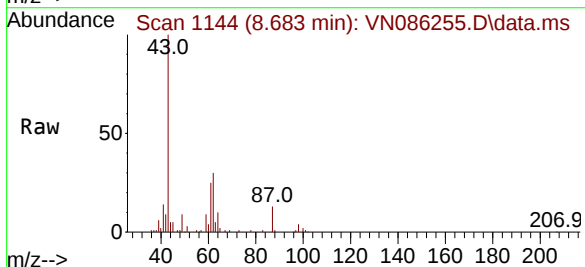
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

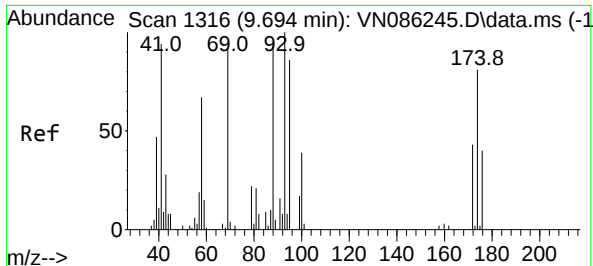
Tgt Ion: 43 Resp: 37557  
Ion Ratio Lower Upper  
43 100  
45 16.9 11.2 16.8#



#44  
Isopropyl Acetate  
Concen: 19.518 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 43 Resp: 79656  
Ion Ratio Lower Upper  
43 100  
61 25.7 20.5 30.7





#45

1,4-Dioxane

Concen: 392.047 ug/l

RT: 9.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

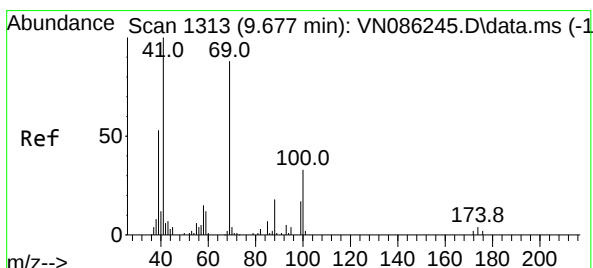
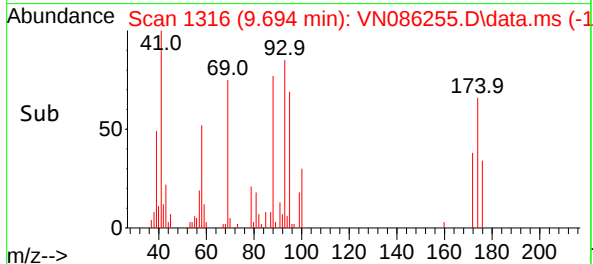
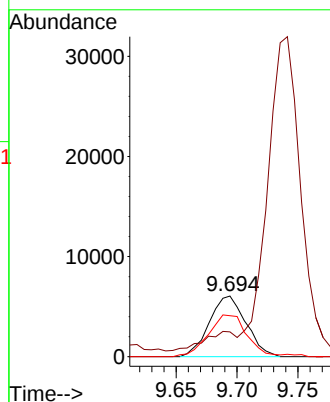
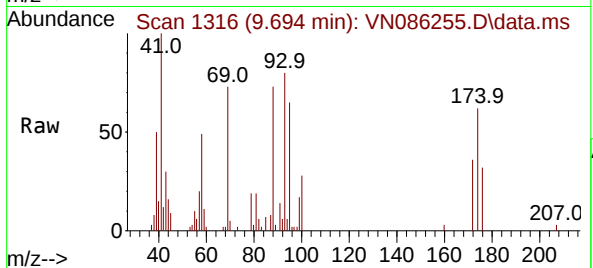
Tgt Ion: 88 Resp: 12723

Ion Ratio Lower Upper

88 100

43 28.1 14.4 21.6#

58 72.3 59.8 89.8



#46

Methyl methacrylate

Concen: 19.067 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

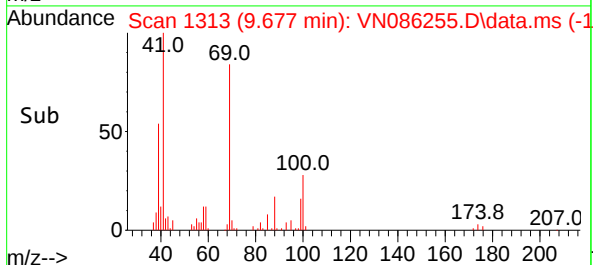
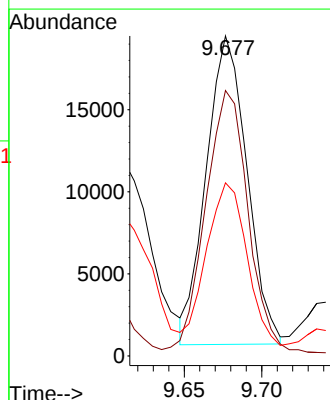
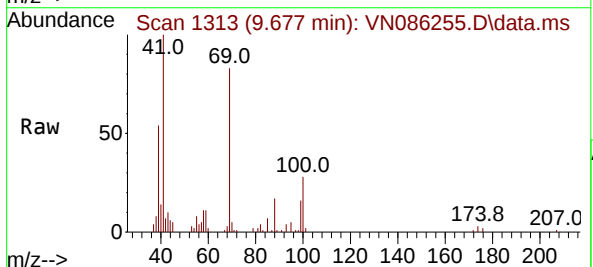
Tgt Ion: 41 Resp: 34286

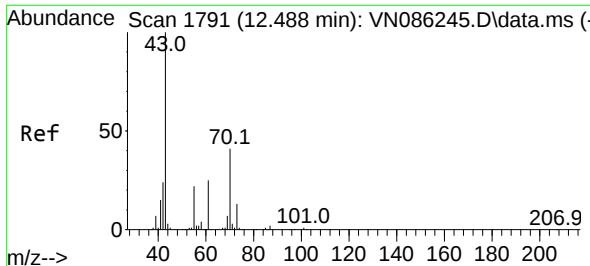
Ion Ratio Lower Upper

41 100

69 84.2 43.2 129.6

39 54.0 26.4 79.0

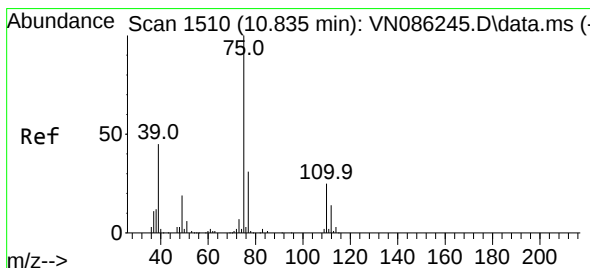
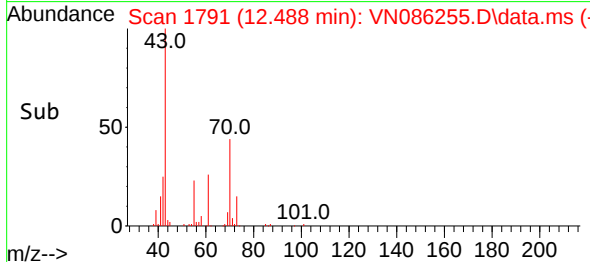
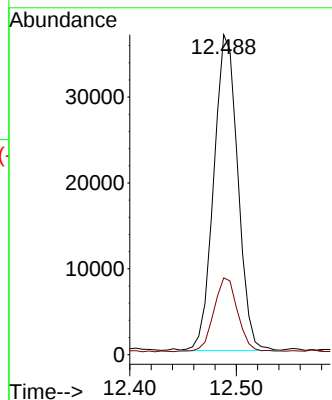
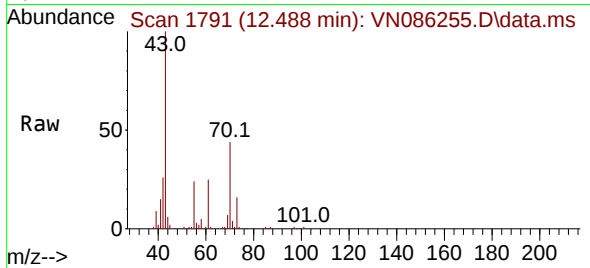




#47  
n-amy1 Acetate  
Concen: 17.812 ug/l  
RT: 12.488 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

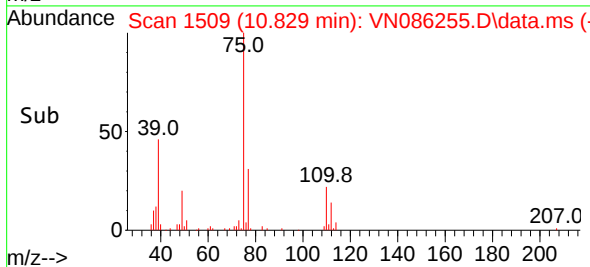
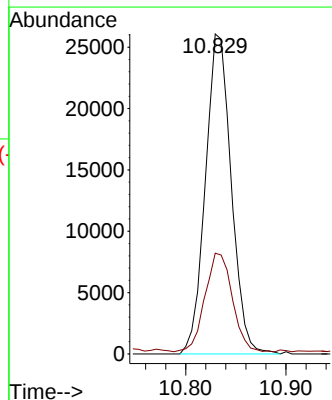
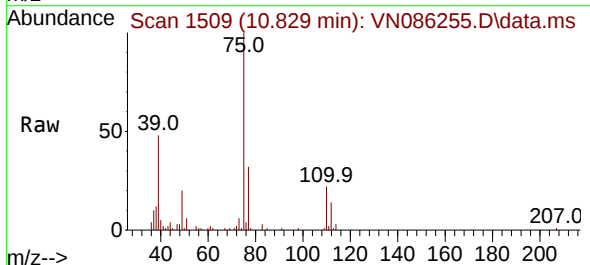
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

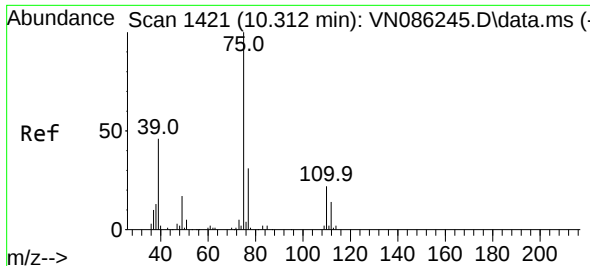
Tgt Ion: 43 Resp: 57635  
Ion Ratio Lower Upper  
43 100  
55 23.2 19.0 28.4



#48  
t-1,3-Dichloropropene  
Concen: 19.149 ug/l  
RT: 10.829 min Scan# 1509  
Delta R.T. -0.006 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 75 Resp: 46804  
Ion Ratio Lower Upper  
75 100  
77 30.4 25.1 37.7

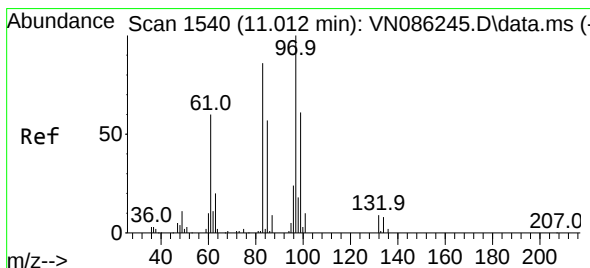
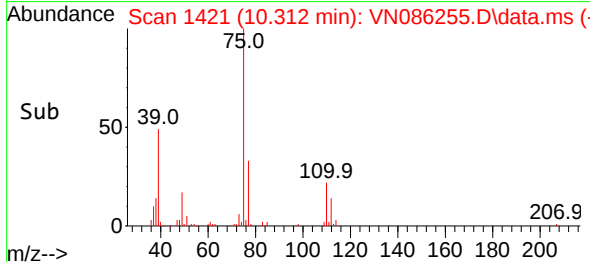
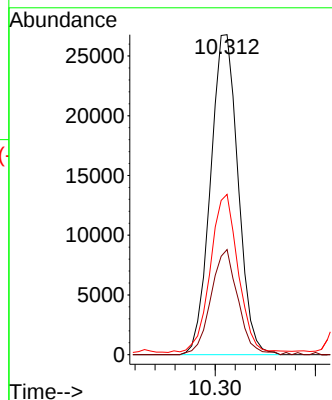
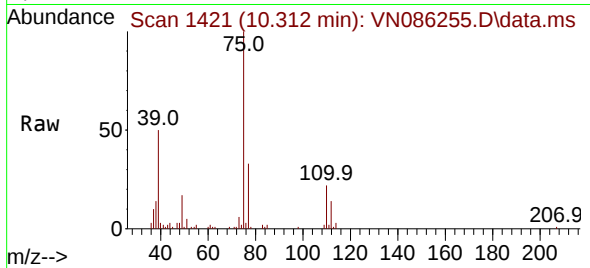




#49  
 cis-1,3-Dichloropropene  
 Concen: 19.814 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.000 min  
 Lab File: VN086255.D  
 Acq: 11 Apr 2025 17:28

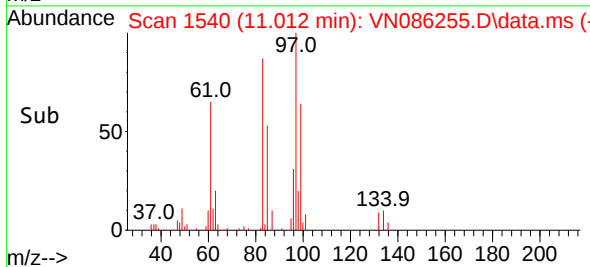
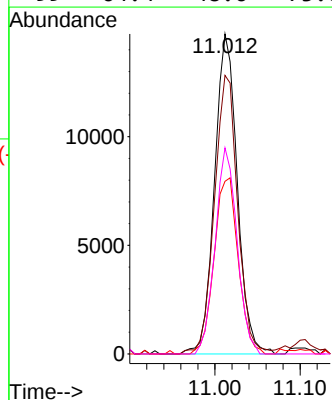
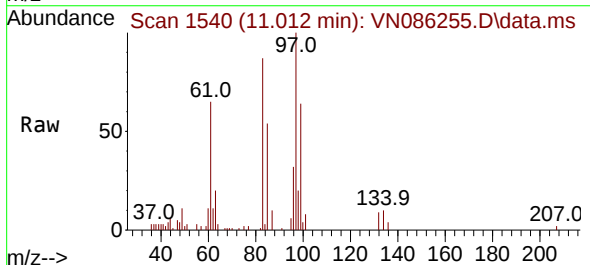
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

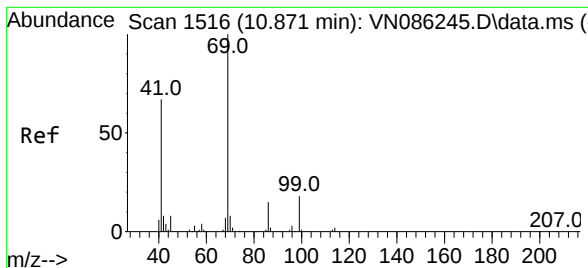
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 51256 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.9  | 25.0  | 37.4  |
| 39       | 49.2  | 36.7  | 55.1  |



#50  
 1,1,2-Trichloroethane  
 Concen: 19.319 ug/l  
 RT: 11.012 min Scan# 1540  
 Delta R.T. 0.000 min  
 Lab File: VN086255.D  
 Acq: 11 Apr 2025 17:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 27268 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.0  | 68.6  | 103.0 |
| 85       | 54.0  | 45.9  | 68.9  |
| 99       | 64.4  | 48.6  | 73.0  |

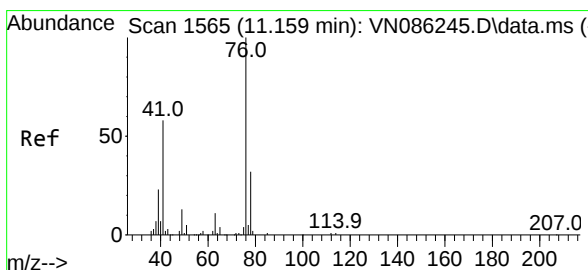
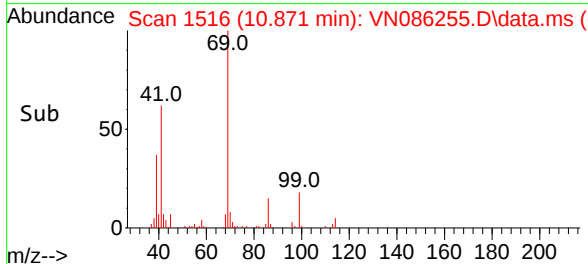
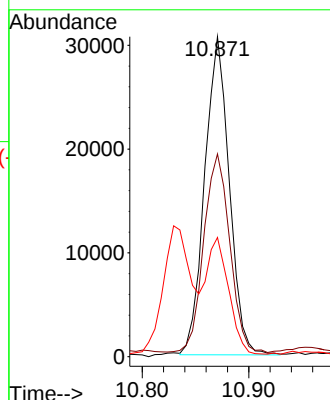
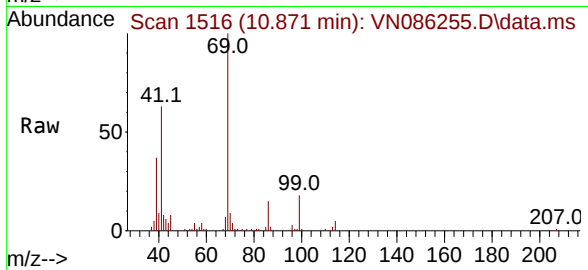




#51  
Ethyl methacrylate  
Concen: 18.768 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

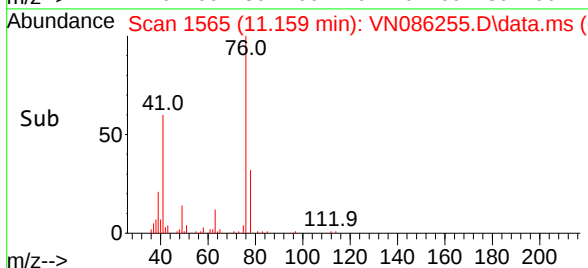
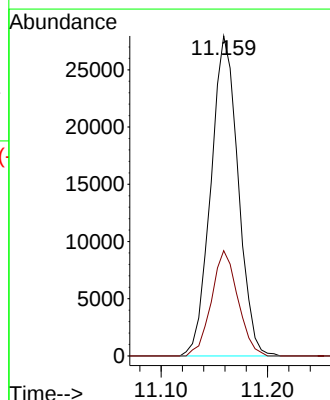
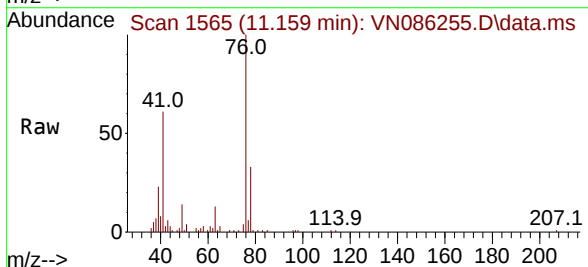
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

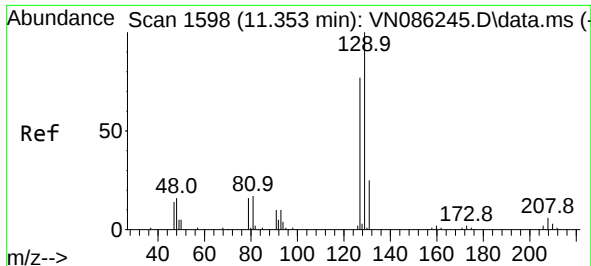
Tgt Ion: 69 Resp: 49228  
Ion Ratio Lower Upper  
69 100  
41 62.0 33.6 100.6  
39 36.8 17.8 53.4



#52  
1,3-Dichloropropane  
Concen: 19.740 ug/l  
RT: 11.159 min Scan# 1565  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 76 Resp: 49662  
Ion Ratio Lower Upper  
76 100  
78 32.0 0.0 64.6

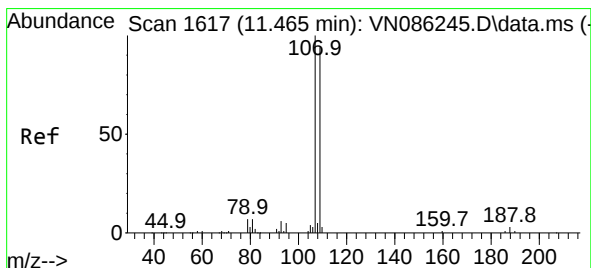
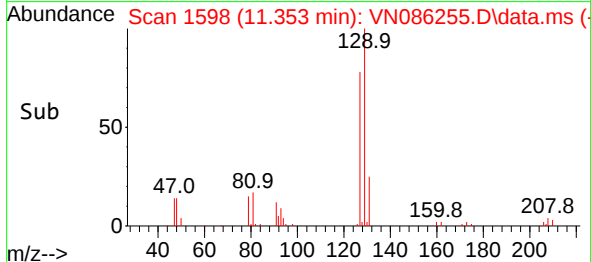
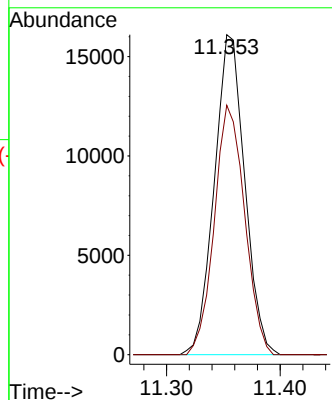
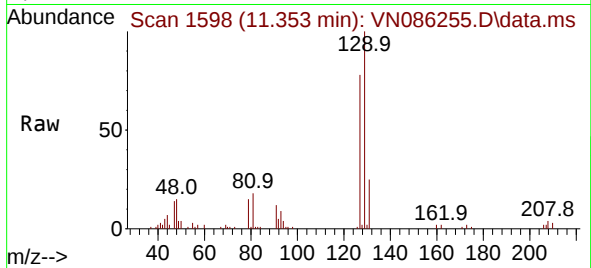




#53  
Dibromochloromethane  
Concen: 19.406 ug/l  
RT: 11.353 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

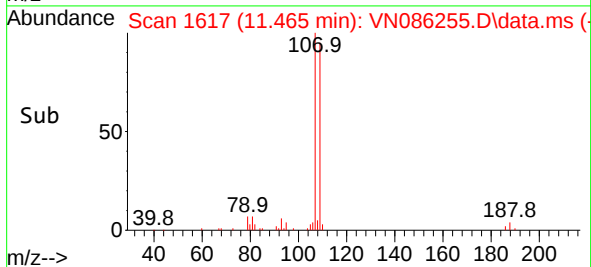
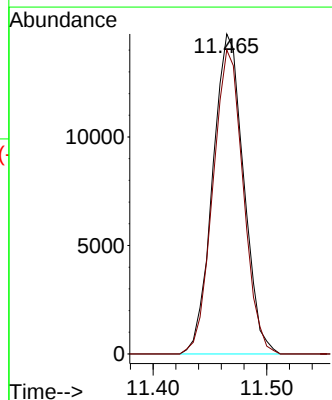
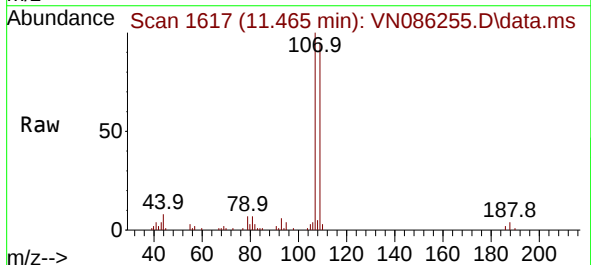
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

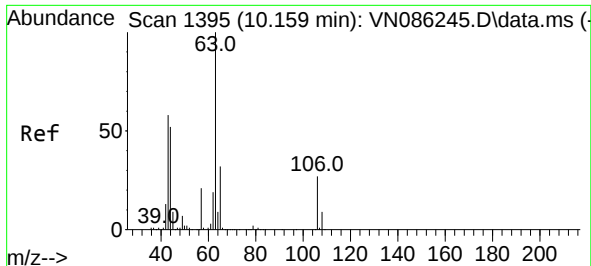
Tgt Ion:129 Resp: 29962  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.5 115.5



#54  
1,2-Dibromoethane  
Concen: 19.603 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion:107 Resp: 27931  
Ion Ratio Lower Upper  
107 100  
109 92.9 75.2 112.8

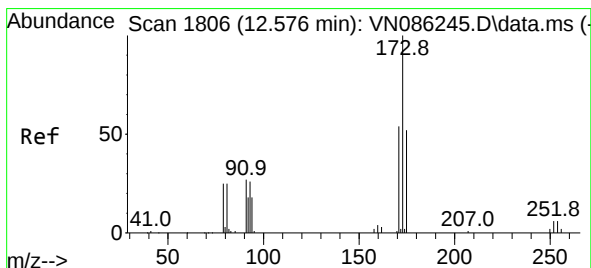
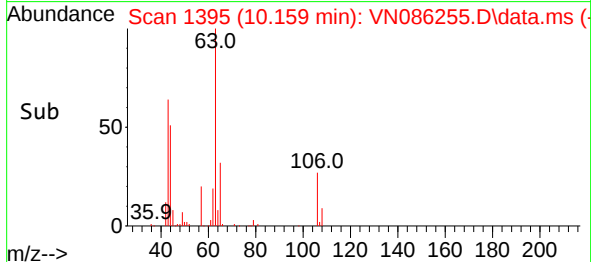
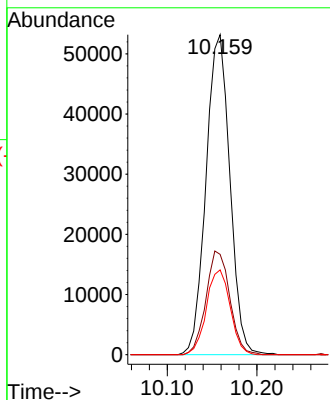
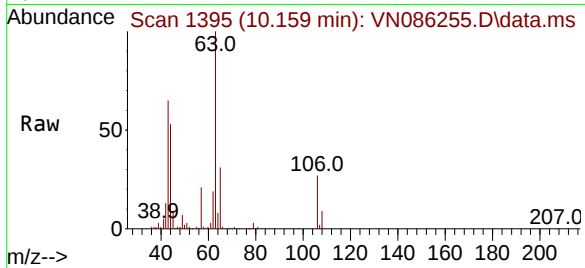




#55  
2-Chloroethyl vinyl ether  
Concen: 99.189 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

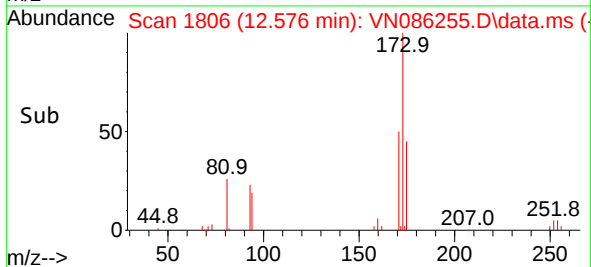
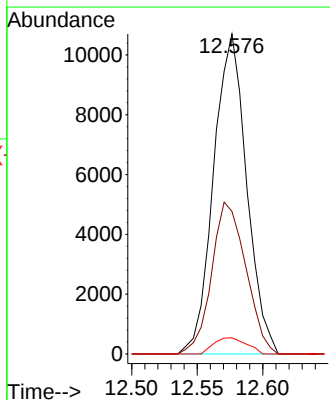
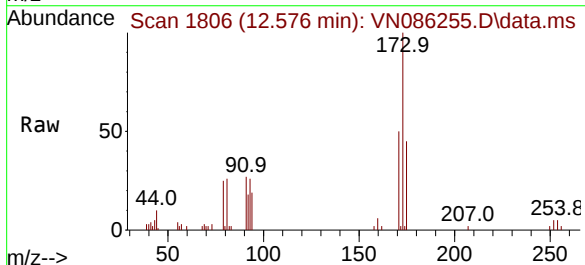
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

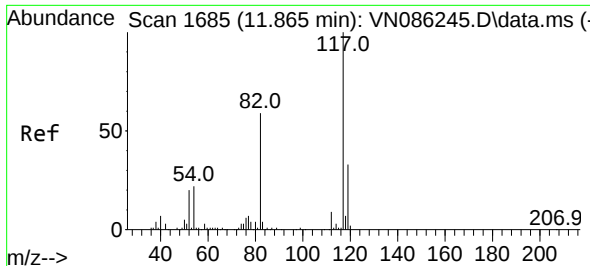
Tgt Ion: 63 Resp: 98312  
Ion Ratio Lower Upper  
63 100  
65 32.4 25.8 38.8  
106 26.4 21.8 32.8



#56  
Bromoform  
Concen: 18.566 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 173 Resp: 18754  
Ion Ratio Lower Upper  
173 100  
175 49.1 38.2 57.4  
254 5.0 4.5 6.7

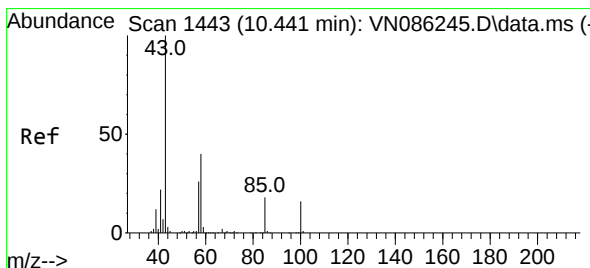
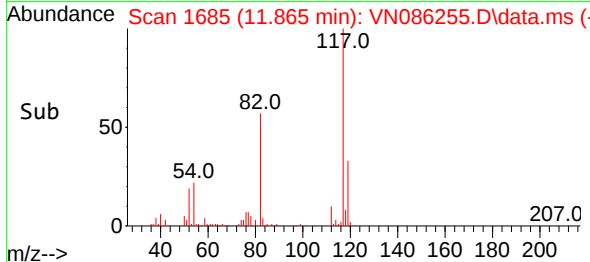
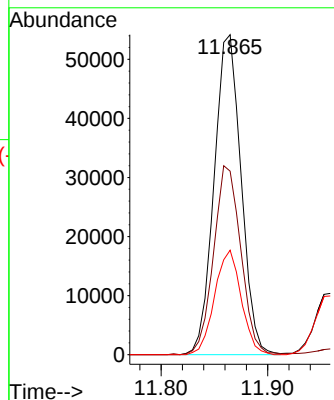
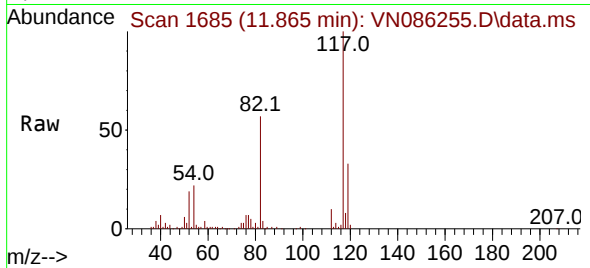




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 11865  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

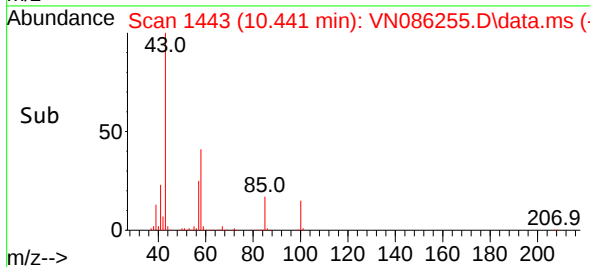
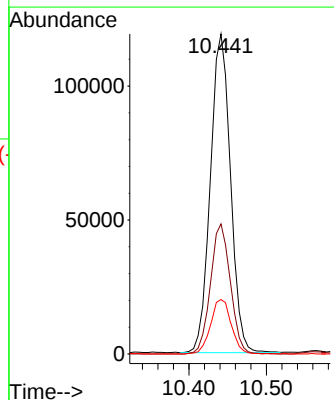
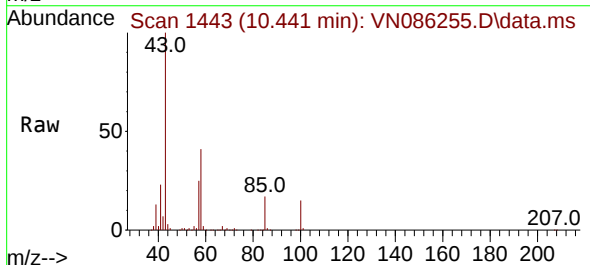
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

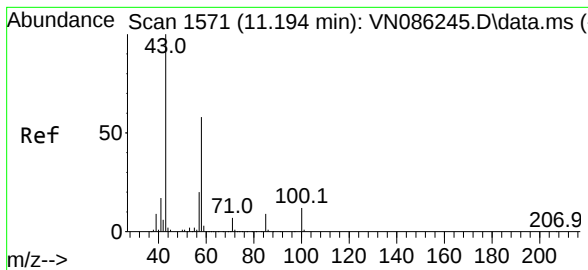
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 95362       |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 59.6  | 47.3 70.9   |
| 119         | 32.2  | 25.9 38.9   |



#58  
4-Methyl-2-Pentanone  
Concen: 99.184 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 214641      |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 58          | 40.3  | 32.5 48.7   |
| 85          | 17.5  | 14.4 21.6   |

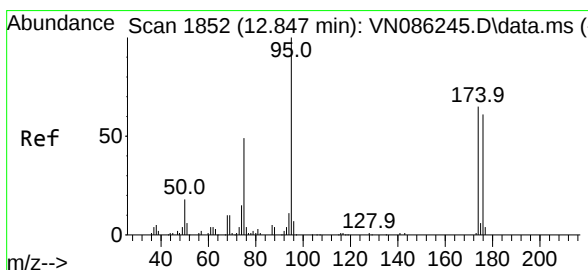
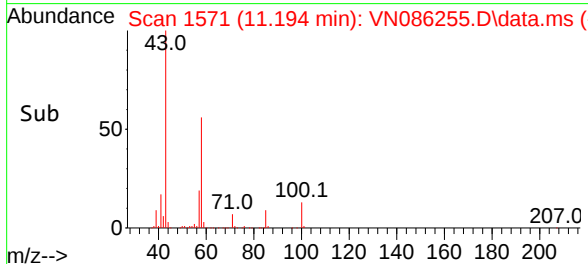
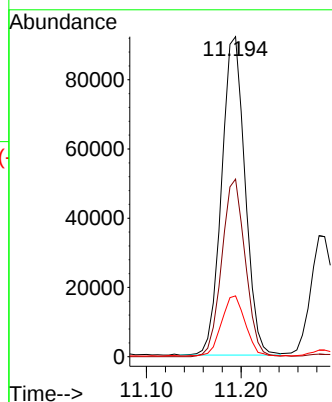
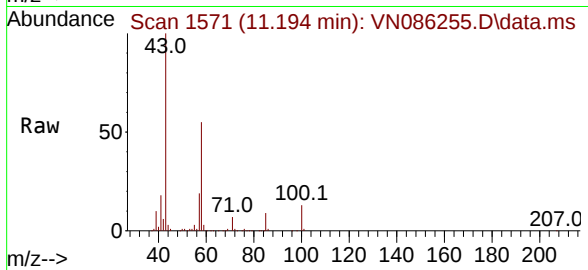




#59  
2-Hexanone  
Concen: 98.104 ug/l  
RT: 11.194 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

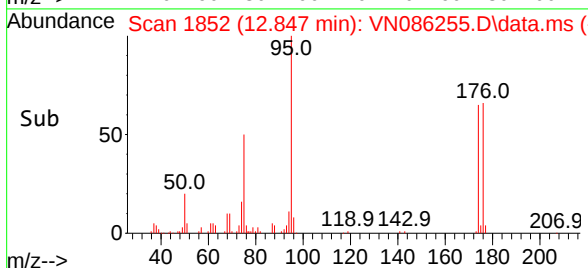
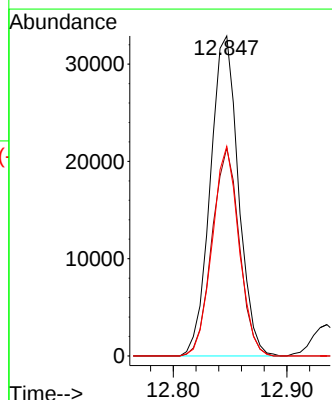
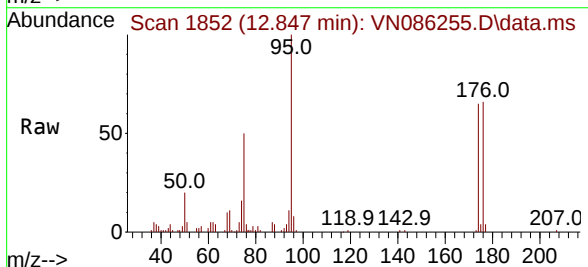
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

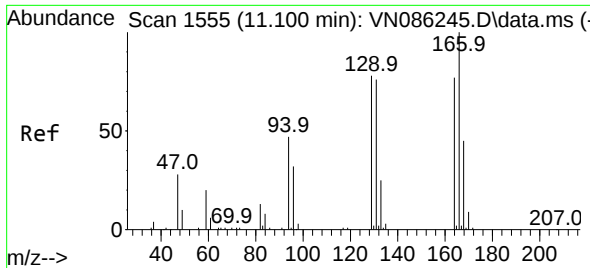
Tgt Ion: 43 Resp: 158086  
Ion Ratio Lower Upper  
43 100  
58 55.9 45.3 67.9  
57 19.1 15.8 23.6



#60  
4-Bromofluorobenzene  
Concen: 29.786 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 95 Resp: 56553  
Ion Ratio Lower Upper  
95 100  
174 63.1 52.7 79.1  
176 62.3 49.8 74.8

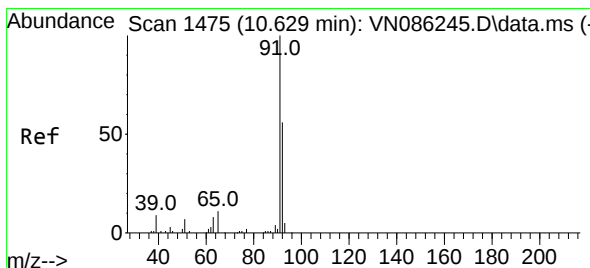
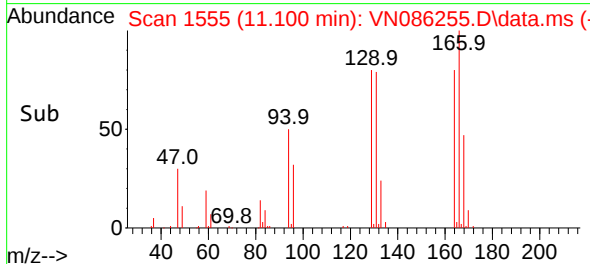
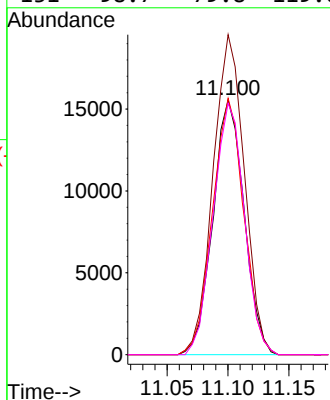
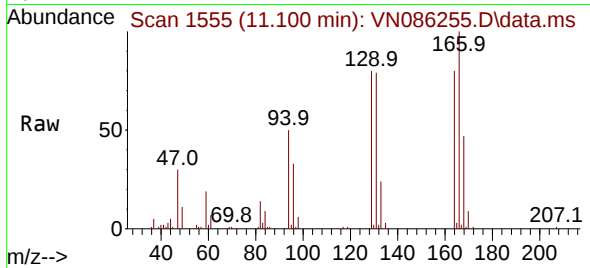




#61  
Tetrachloroethene  
Concen: 19.697 ug/l  
RT: 11.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

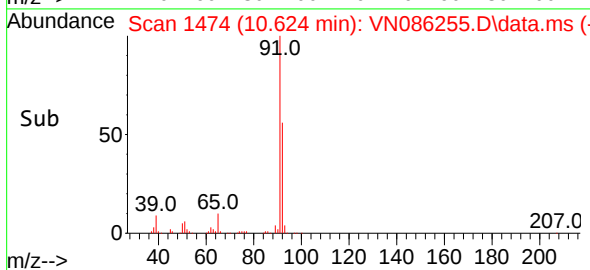
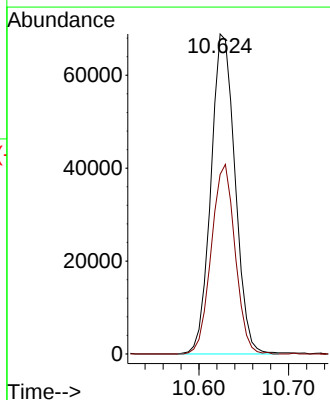
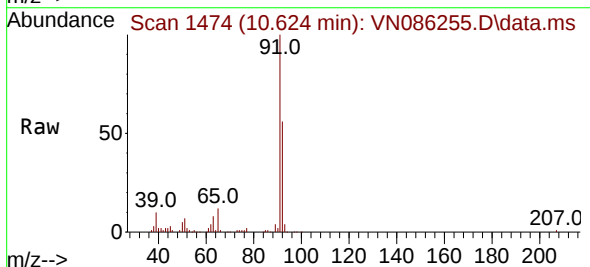
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

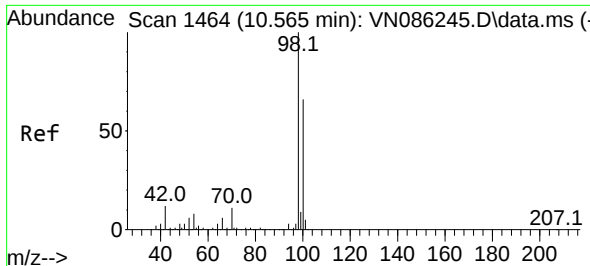
Tgt Ion:164 Resp: 27738  
Ion Ratio Lower Upper  
164 100  
166 125.7 104.5 156.7  
129 100.7 81.7 122.5  
131 98.7 79.8 119.6



#62  
Toluene  
Concen: 20.118 ug/l  
RT: 10.624 min Scan# 1474  
Delta R.T. -0.006 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 91 Resp: 128682  
Ion Ratio Lower Upper  
91 100  
92 58.2 46.8 70.2

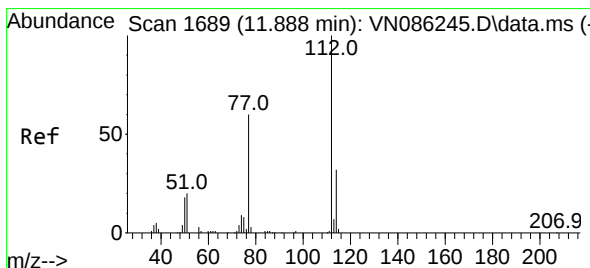
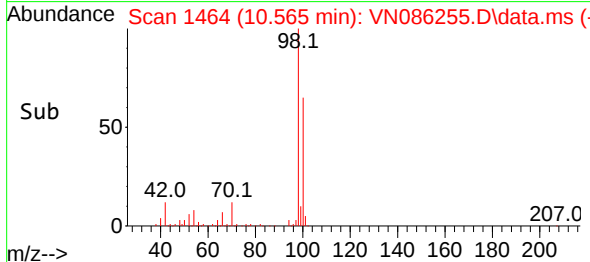
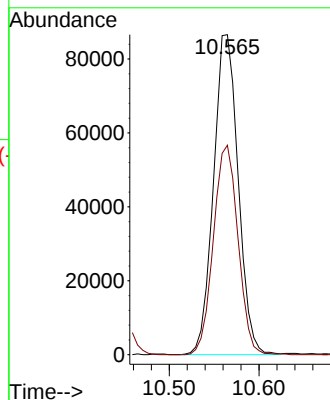
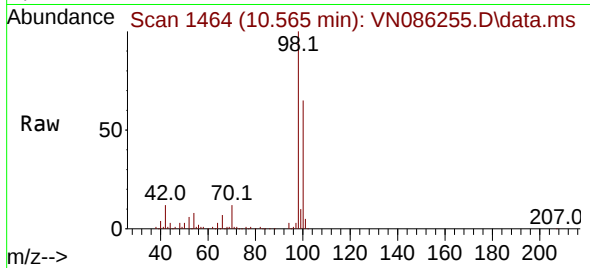




#63  
Toluene-d8  
Concen: 30.752 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

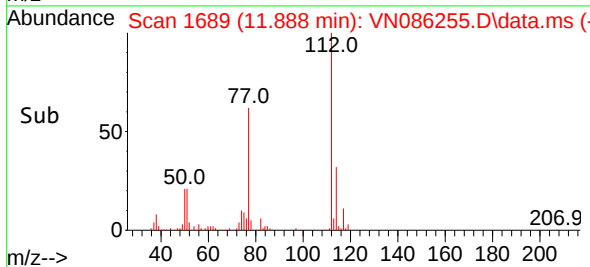
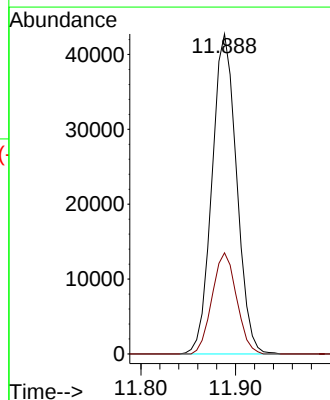
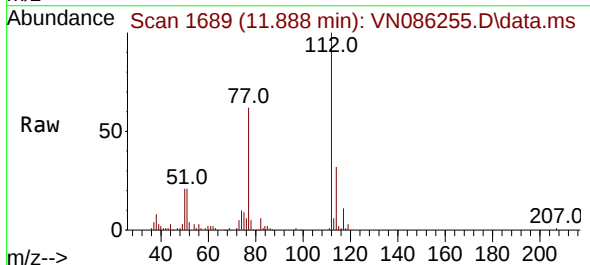
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

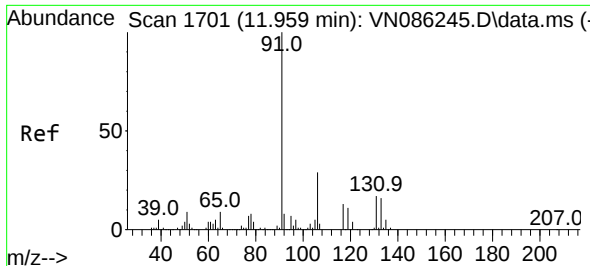
Tgt Ion: 98 Resp: 165558  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.3 78.5



#64  
Chlorobenzene  
Concen: 19.736 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 112 Resp: 77123  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.8 38.6

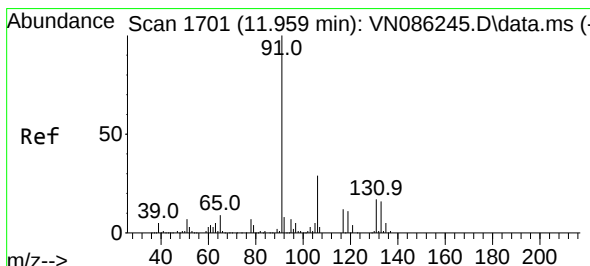
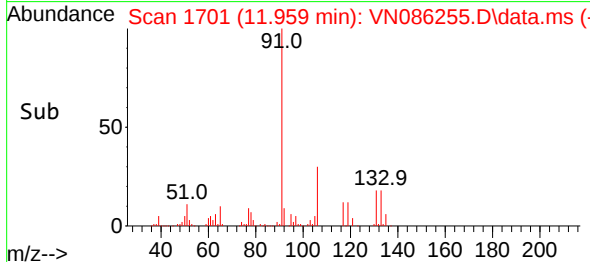
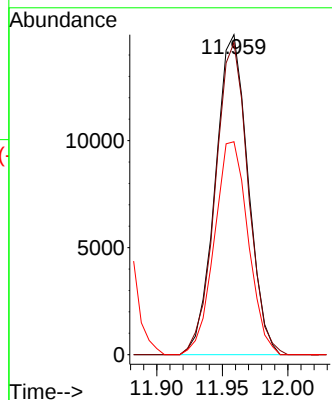
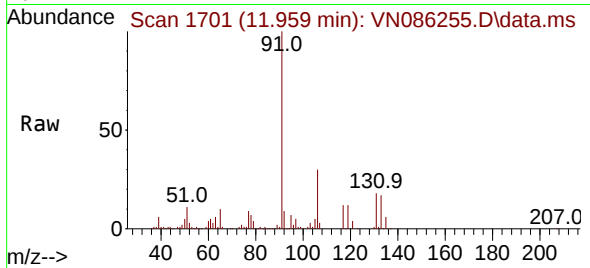




#65  
1,1,1,2-Tetrachloroethane  
Concen: 20.177 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

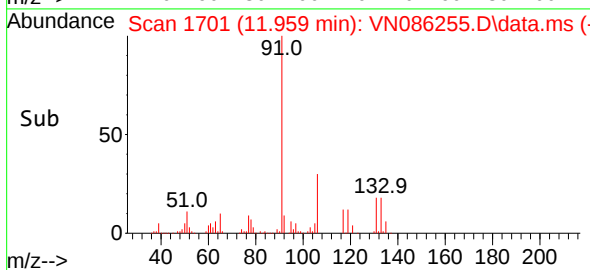
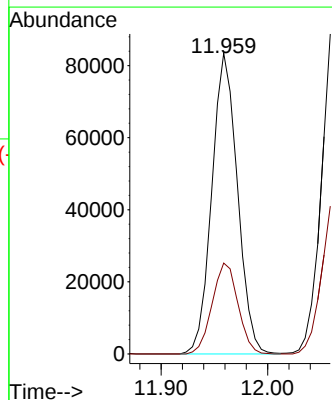
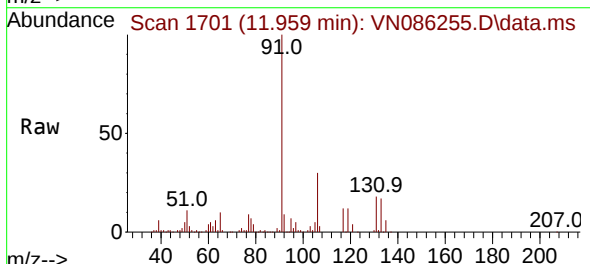
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

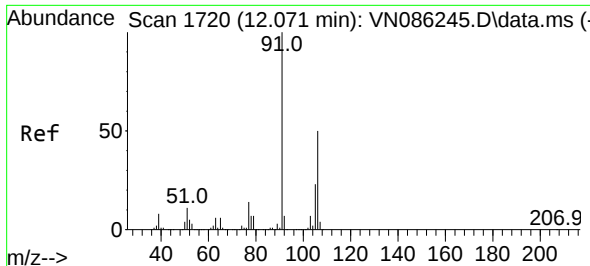
Tgt Ion:131 Resp: 26021  
Ion Ratio Lower Upper  
131 100  
133 97.4 0.0 190.4  
119 68.5 0.0 135.6



#66  
Ethyl Benzene  
Concen: 19.639 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 91 Resp: 139309  
Ion Ratio Lower Upper  
91 100  
106 30.2 23.4 35.0

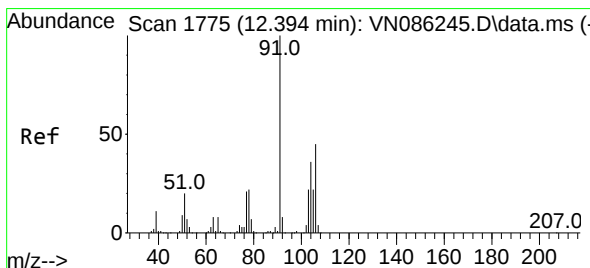
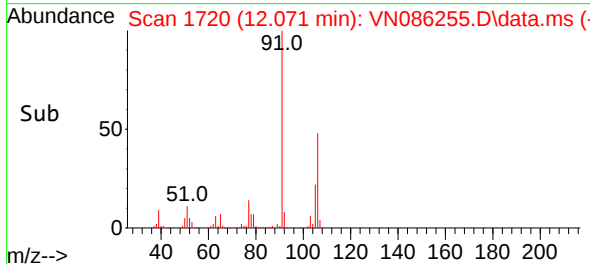
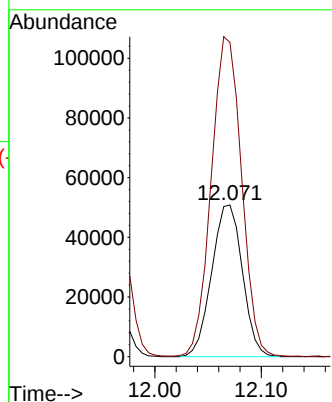
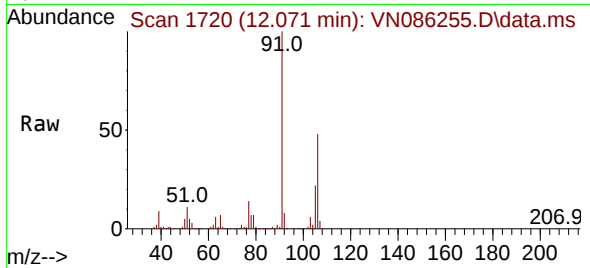




#67  
m/p-Xylenes  
Concen: 38.563 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

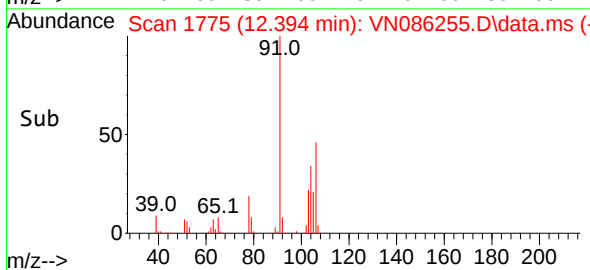
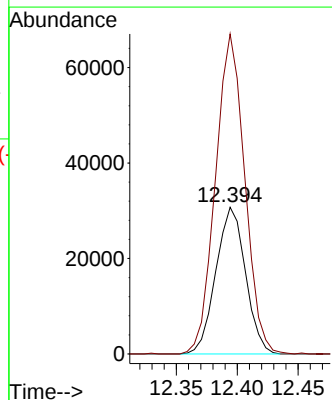
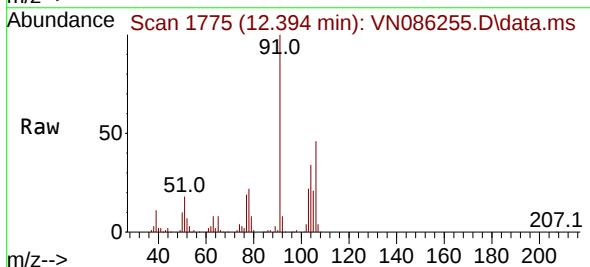
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

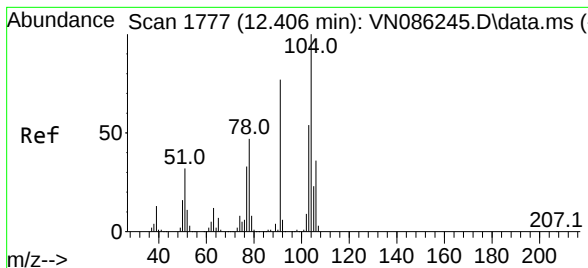
Tgt Ion:106 Resp: 101714  
Ion Ratio Lower Upper  
106 100  
91 208.9 164.5 246.7



#68  
o-Xylene  
Concen: 20.058 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion:106 Resp: 52037  
Ion Ratio Lower Upper  
106 100  
91 215.7 109.8 329.4





#69

Styrene

Concen: 19.187 ug/l

RT: 12.406 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086255.D

Acq: 11 Apr 2025 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

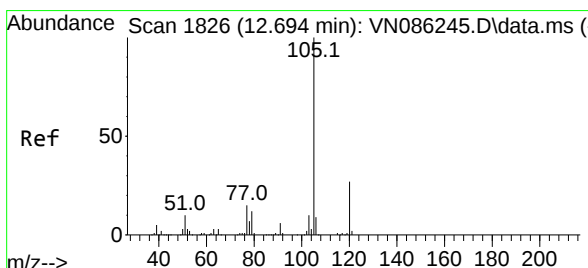
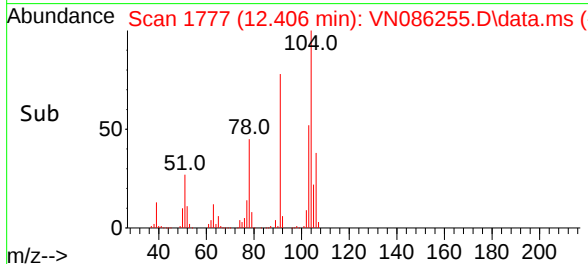
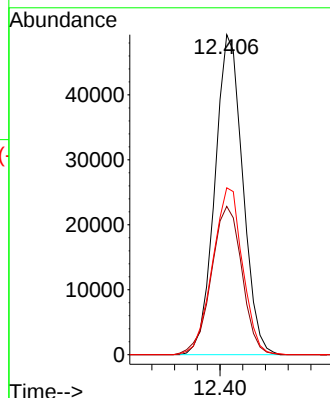
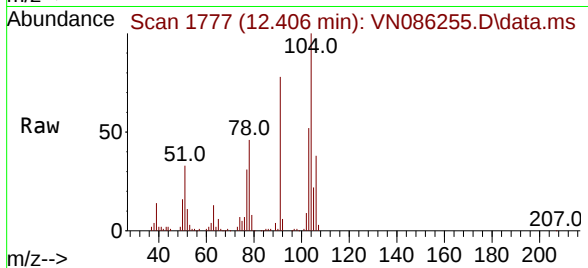
Tgt Ion:104 Resp: 83949

Ion Ratio Lower Upper

104 100

78 50.8 41.4 62.0

103 56.2 44.2 66.4



#70

Isopropylbenzene

Concen: 19.260 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN086255.D

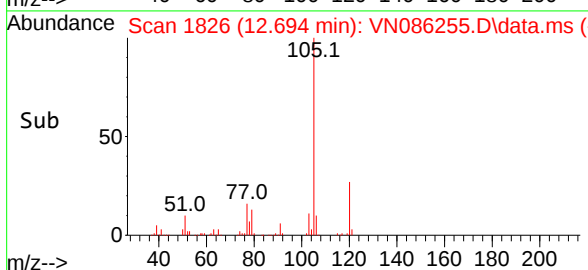
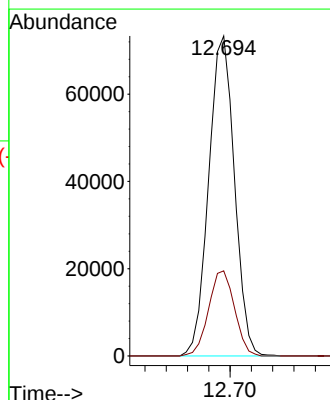
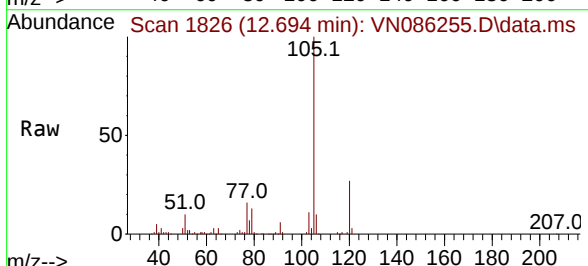
Acq: 11 Apr 2025 17:28

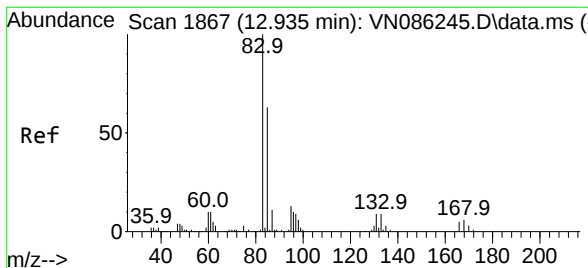
Tgt Ion:105 Resp: 123201

Ion Ratio Lower Upper

105 100

120 26.7 18.3 34.1

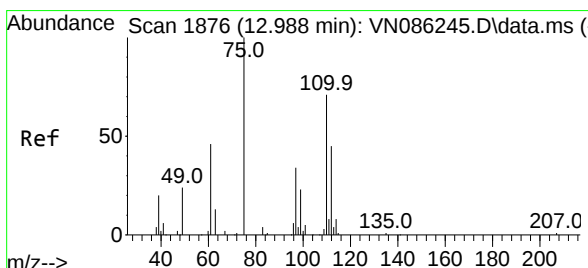
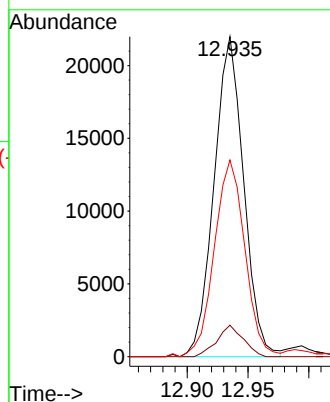
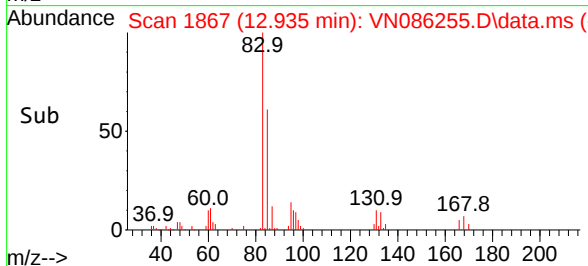
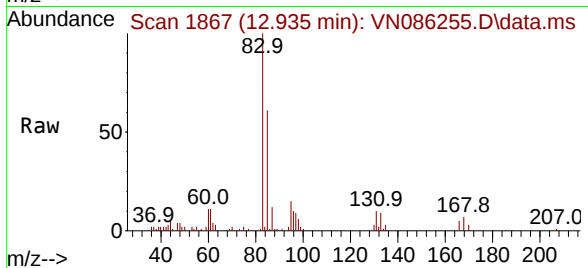




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.449 ug/l  
 RT: 12.935 min Scan# 1867  
 Delta R.T. -0.000 min  
 Lab File: VN086255.D  
 Acq: 11 Apr 2025 17:28

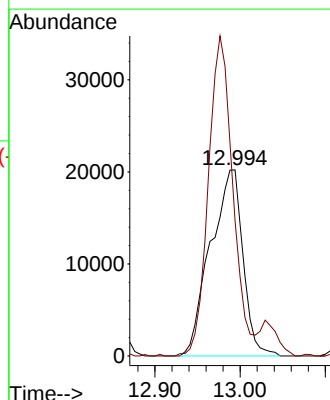
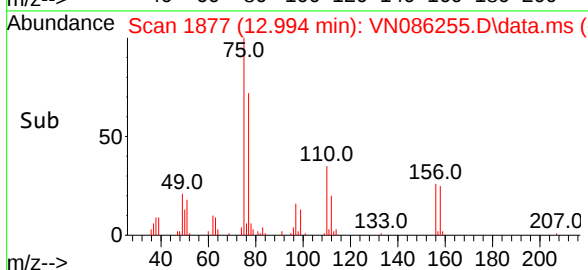
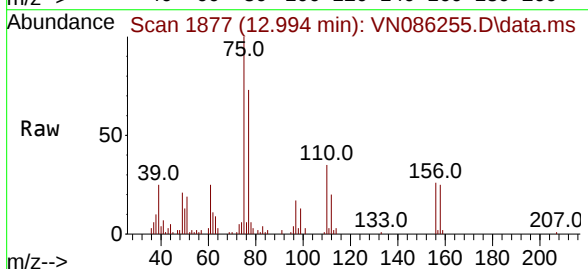
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 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

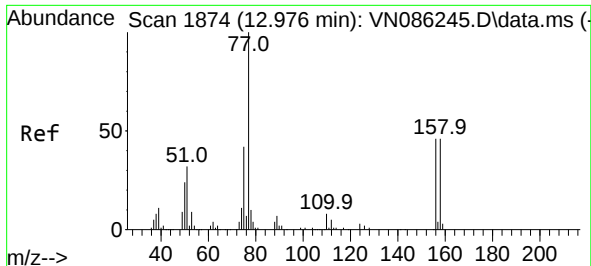
Tgt Ion: 83 Resp: 37233  
 Ion Ratio Lower Upper  
 83 100  
 131 8.7 4.8 14.3  
 85 63.2 32.3 96.8



#72  
 1,2,3-Trichloropropane  
 Concen: 28.285 ug/l  
 RT: 12.994 min Scan# 1877  
 Delta R.T. 0.006 min  
 Lab File: VN086255.D  
 Acq: 11 Apr 2025 17:28

Tgt Ion: 75 Resp: 53607  
 Ion Ratio Lower Upper  
 75 100  
 77 129.8 0.0 380.0

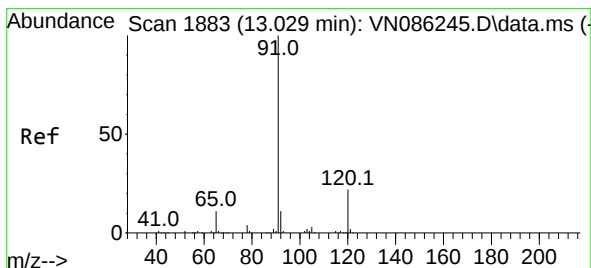
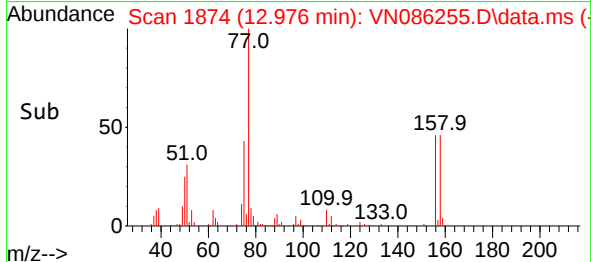
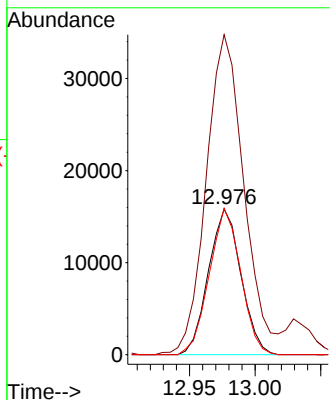
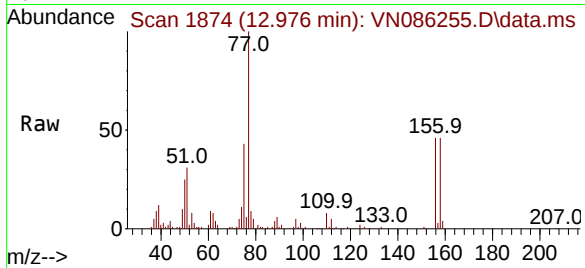




#73  
Bromobenzene  
Concen: 19.245 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

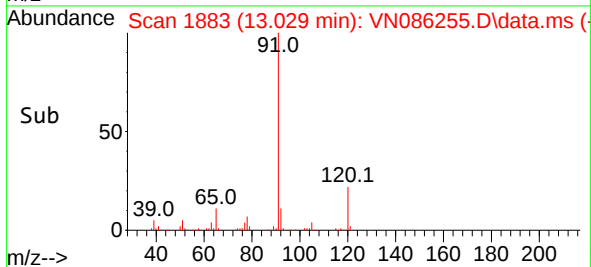
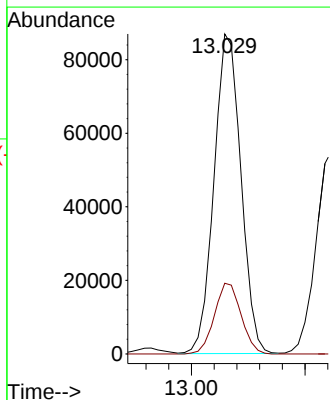
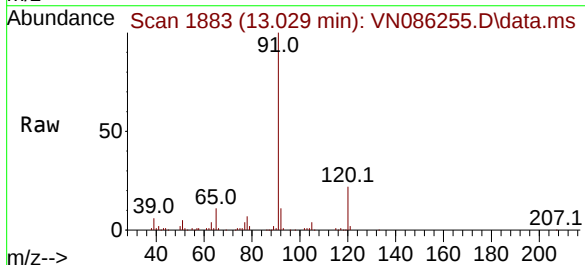
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

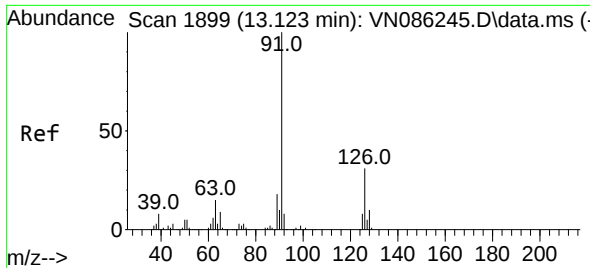
Tgt Ion:156 Resp: 27272  
Ion Ratio Lower Upper  
156 100  
77 255.1 0.0 505.2  
158 97.0 0.0 195.0



#74  
n-propylbenzene  
Concen: 18.944 ug/l  
RT: 13.029 min Scan# 1883  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 91 Resp: 143093  
Ion Ratio Lower Upper  
91 100  
120 21.9 0.0 44.0

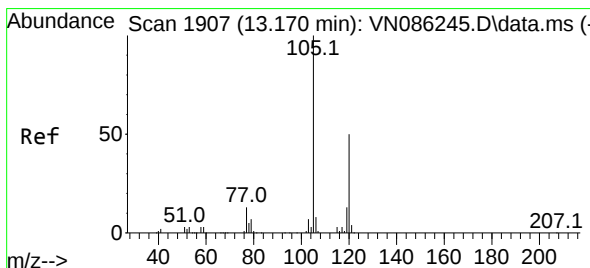
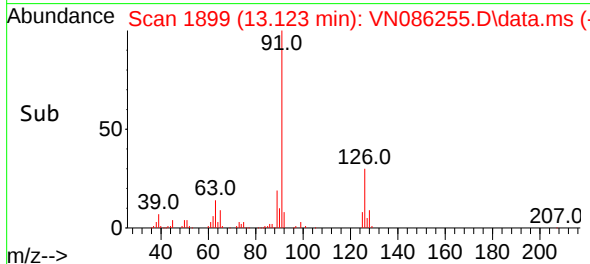
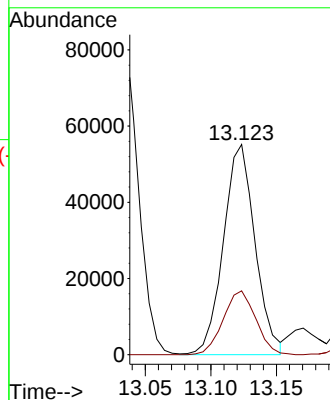
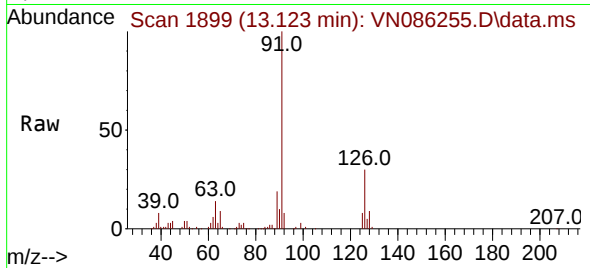




#75  
2-Chlorotoluene  
Concen: 19.514 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

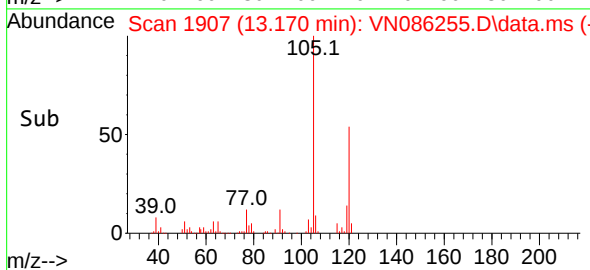
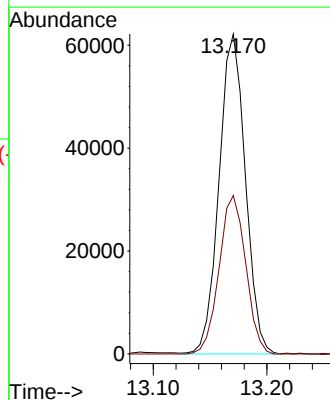
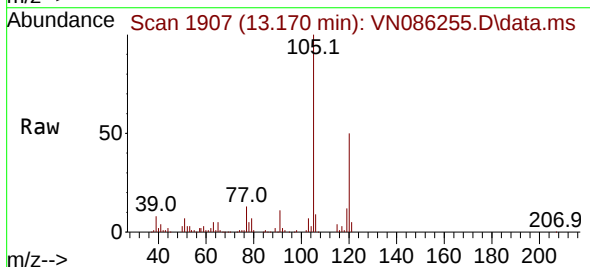
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

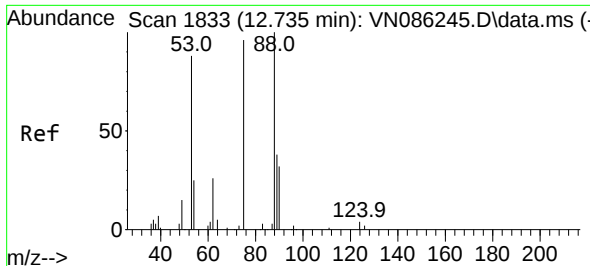
Tgt Ion: 91 Resp: 92645  
Ion Ratio Lower Upper  
91 100  
126 31.3 0.0 63.4



#76  
1,3,5-Trimethylbenzene  
Concen: 19.025 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 105 Resp: 99973  
Ion Ratio Lower Upper  
105 100  
120 50.0 0.0 98.0

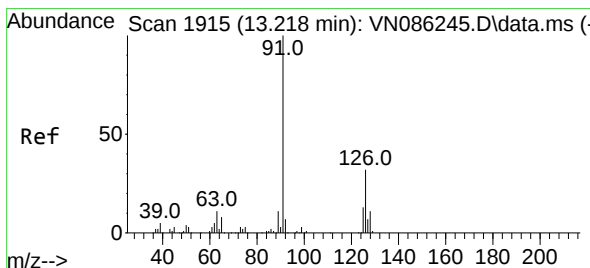
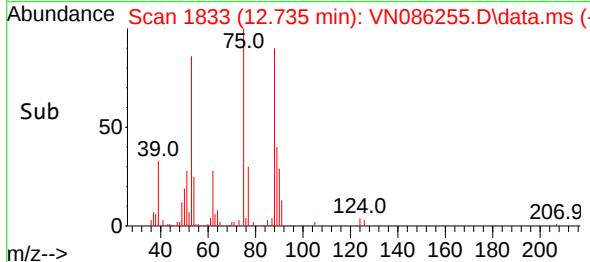
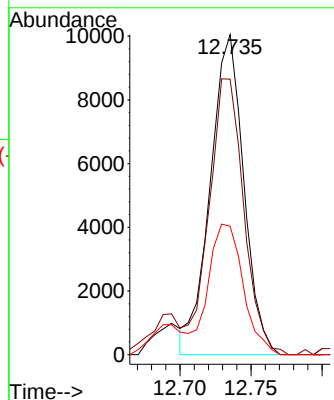
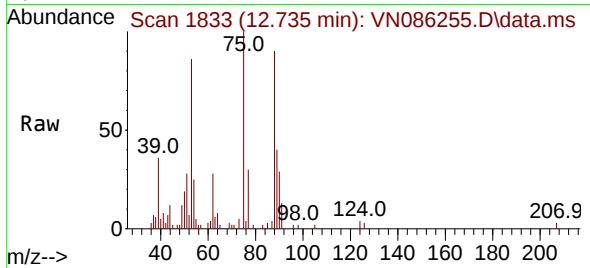




#77  
t-1,4-Dichloro-2-butene  
Concen: 18.869 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

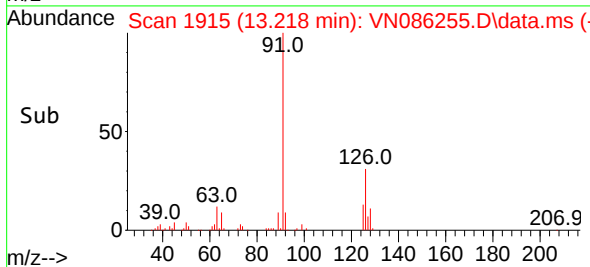
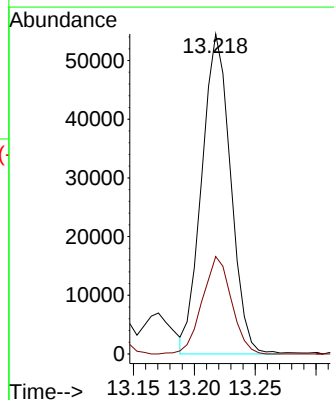
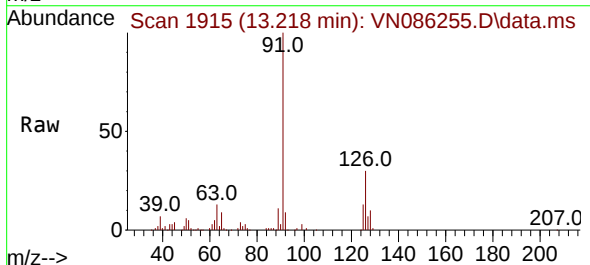
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

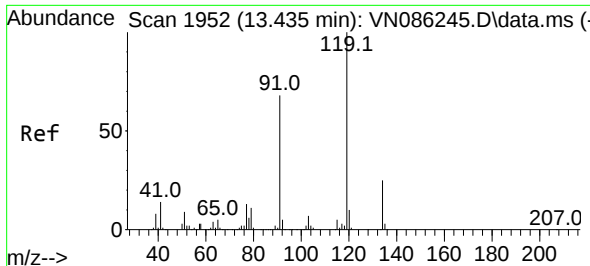
Tgt Ion: 75 Resp: 16490  
Ion Ratio Lower Upper  
75 100  
53 84.4 46.4 139.2  
89 40.2 22.5 67.5



#78  
4-Chlorotoluene  
Concen: 18.983 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 91 Resp: 90011  
Ion Ratio Lower Upper  
91 100  
126 30.7 0.0 63.2

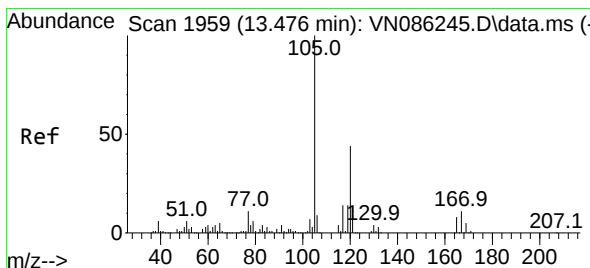
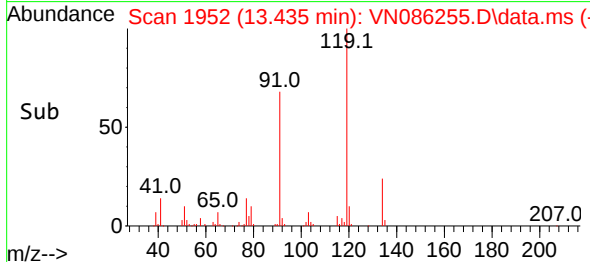
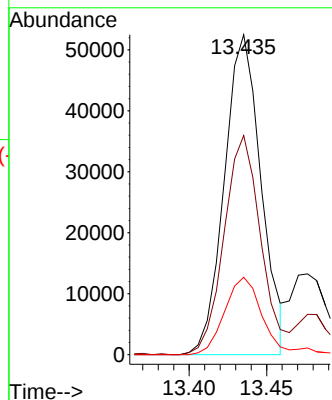
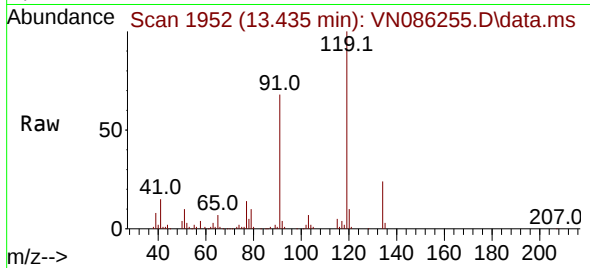




#79  
tert-butylbenzene  
Concen: 19.039 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

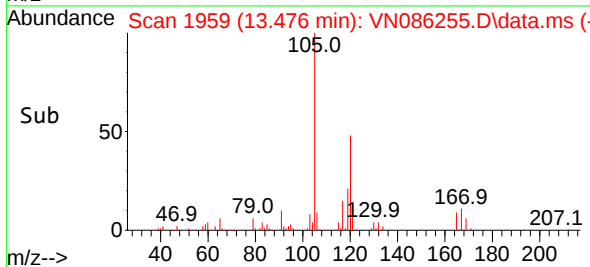
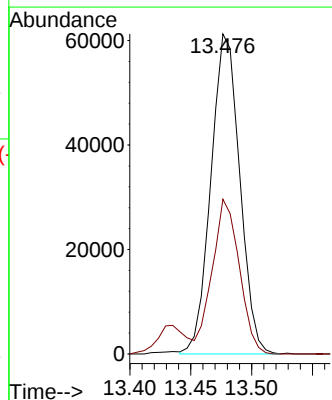
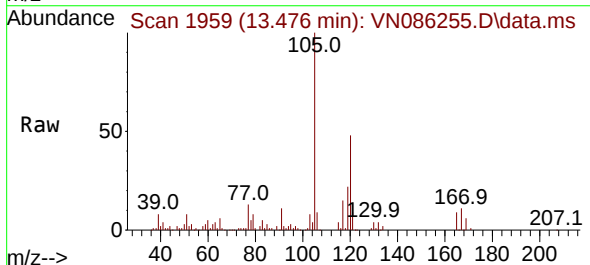
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

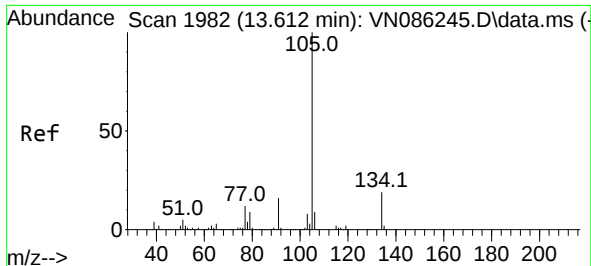
Tgt Ion:119 Resp: 86567  
Ion Ratio Lower Upper  
119 100  
91 68.8 0.0 136.6  
134 24.1 0.0 49.4



#80  
1,2,4-Trimethylbenzene  
Concen: 18.911 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion:105 Resp: 100765  
Ion Ratio Lower Upper  
105 100  
120 45.4 0.0 91.0

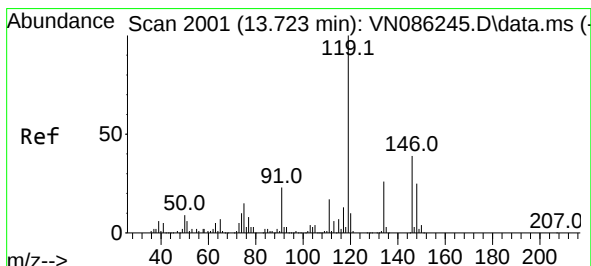
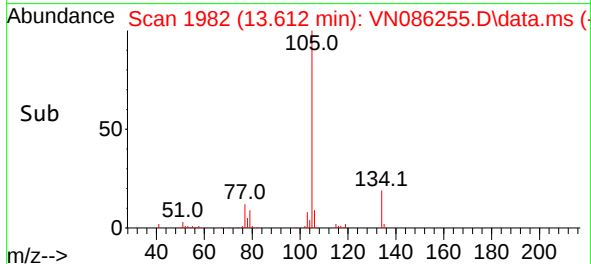
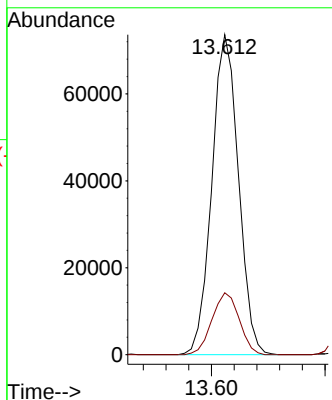
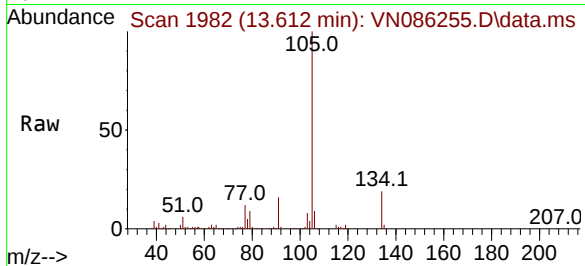




#81  
 sec-Butylbenzene  
 Concen: 18.880 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. 0.000 min  
 Lab File: VN086255.D  
 Acq: 11 Apr 2025 17:28

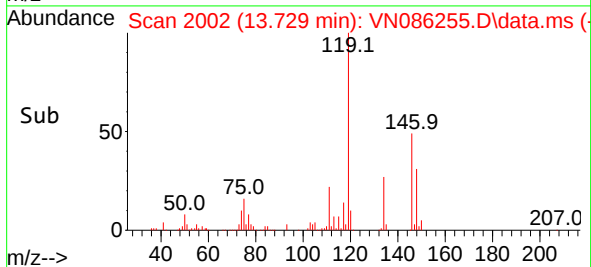
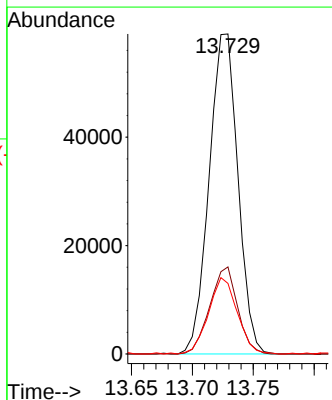
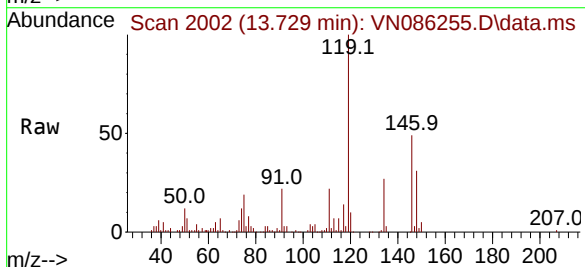
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

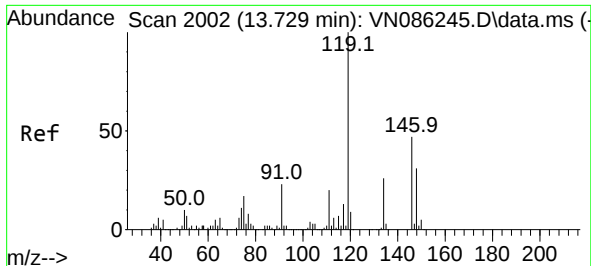
Tgt Ion:105 Resp: 119744  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 0.0 38.6



#82  
 p-Isopropyltoluene  
 Concen: 18.394 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.006 min  
 Lab File: VN086255.D  
 Acq: 11 Apr 2025 17:28

Tgt Ion:119 Resp: 97324  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 0.0 51.6  
 91 23.8 0.0 48.2

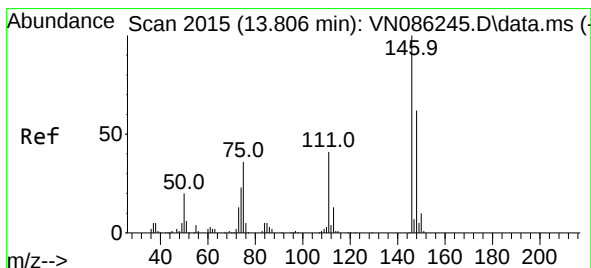
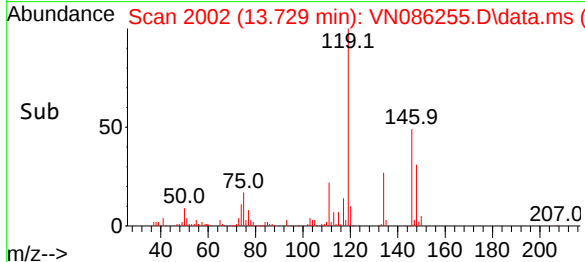
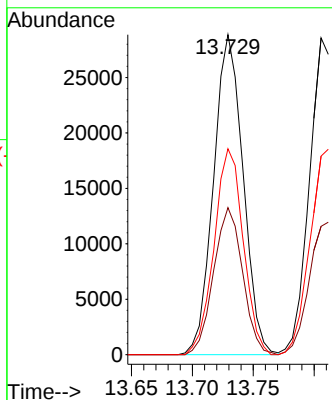
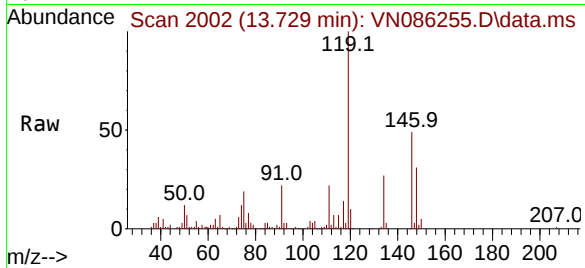




#83  
 1,3-Dichlorobenzene  
 Concen: 18.499 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. -0.000 min  
 Lab File: VN086255.D  
 Acq: 11 Apr 2025 17:28

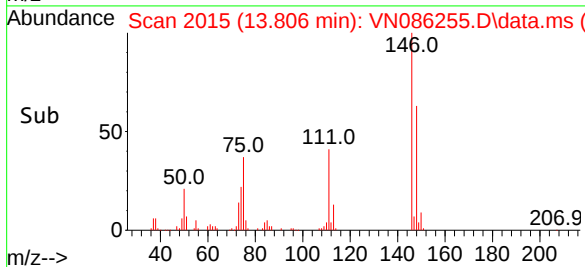
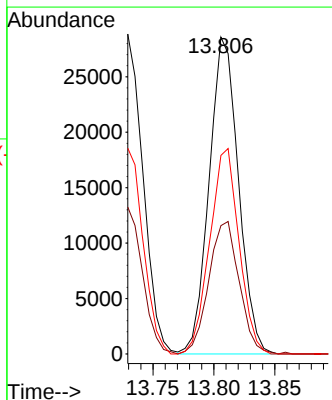
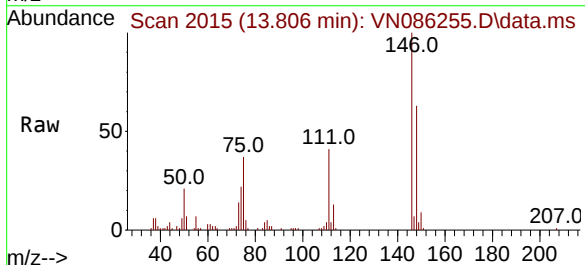
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

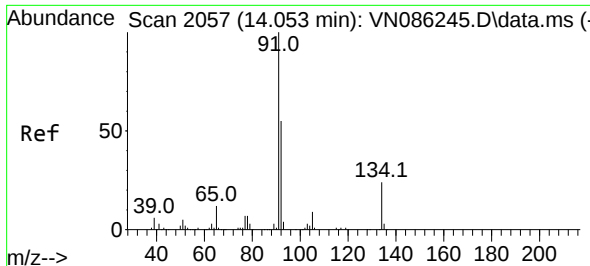
Tgt Ion:146 Resp: 48725  
 Ion Ratio Lower Upper  
 146 100  
 111 45.1 21.7 65.1  
 148 63.5 32.3 96.8



#84  
 1,4-Dichlorobenzene  
 Concen: 18.098 ug/l  
 RT: 13.806 min Scan# 2015  
 Delta R.T. -0.000 min  
 Lab File: VN086255.D  
 Acq: 11 Apr 2025 17:28

Tgt Ion:146 Resp: 47819  
 Ion Ratio Lower Upper  
 146 100  
 111 43.4 20.8 62.4  
 148 64.8 31.9 95.5

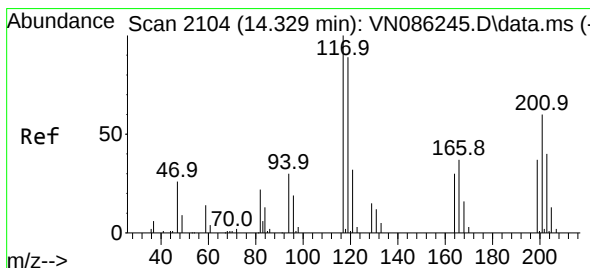
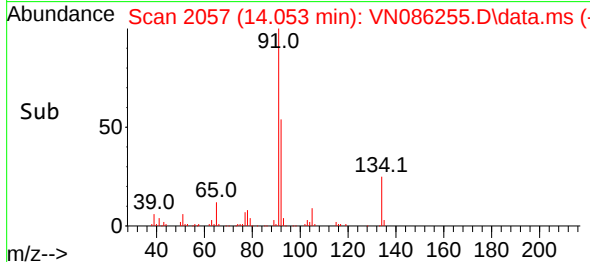
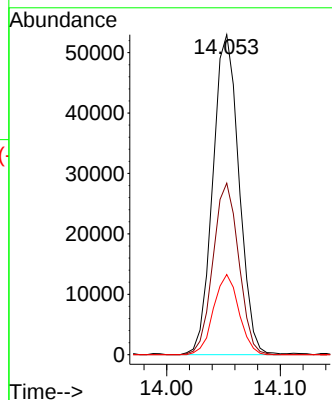
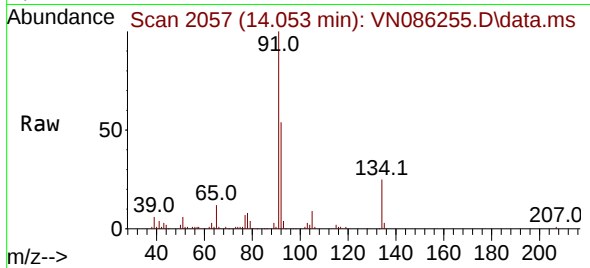




#85  
n-Butylbenzene  
Concen: 17.764 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

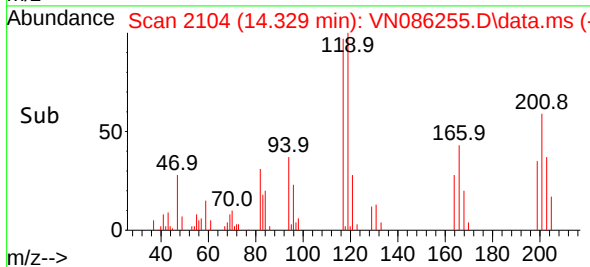
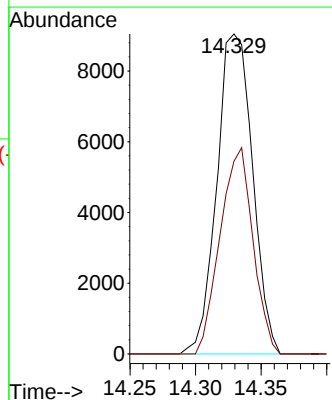
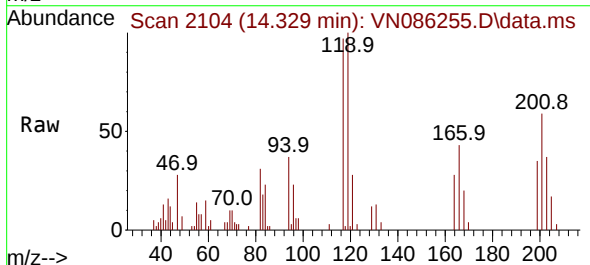
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

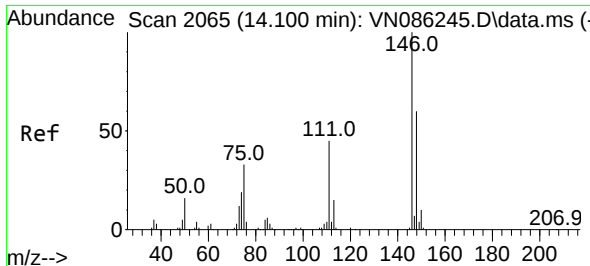
Tgt Ion: 91 Resp: 84791  
Ion Ratio Lower Upper  
91 100  
92 52.7 0.0 109.4  
134 24.3 0.0 48.2



#86  
Hexachloroethane  
Concen: 19.231 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Tgt Ion: 117 Resp: 17164  
Ion Ratio Lower Upper  
117 100  
201 59.2 30.9 92.8

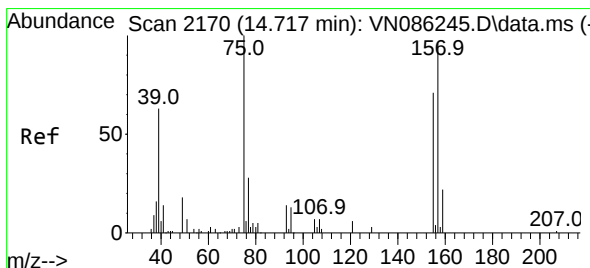
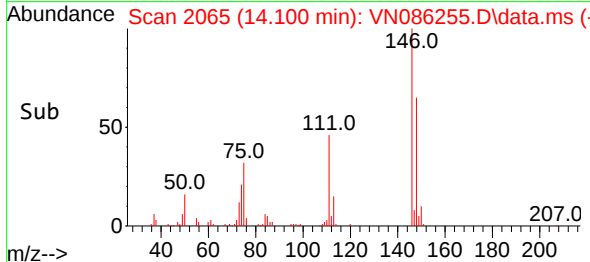
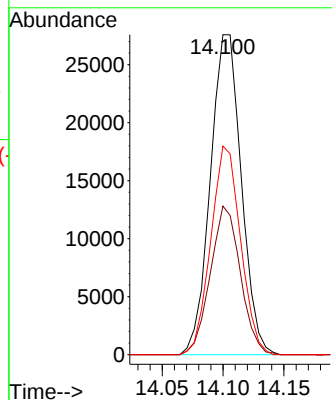
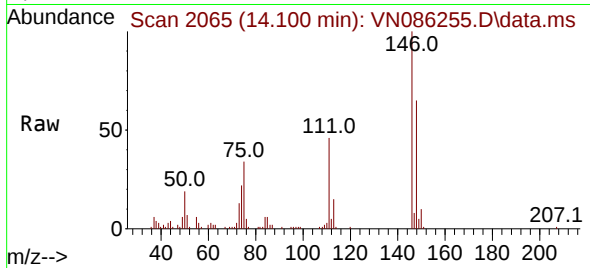




#87  
1,2-Dichlorobenzene  
Concen: 18.791 ug/l  
RT: 14.100 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

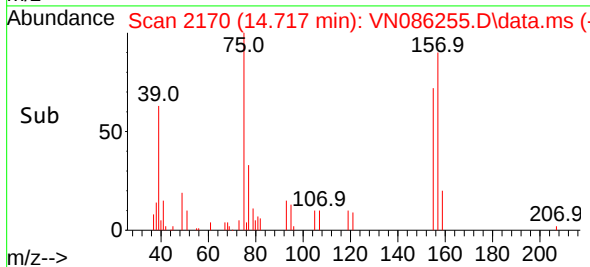
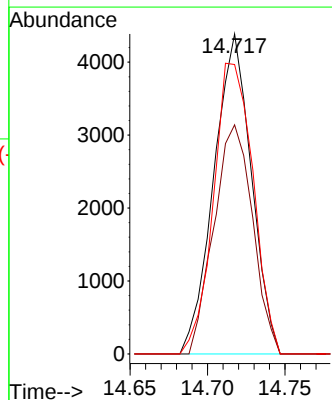
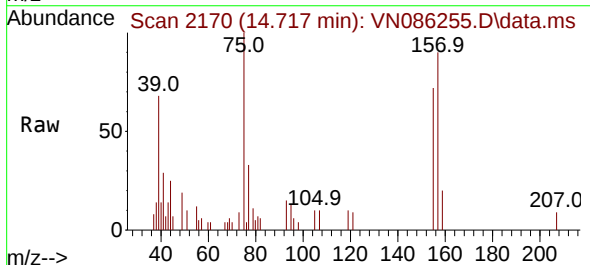
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

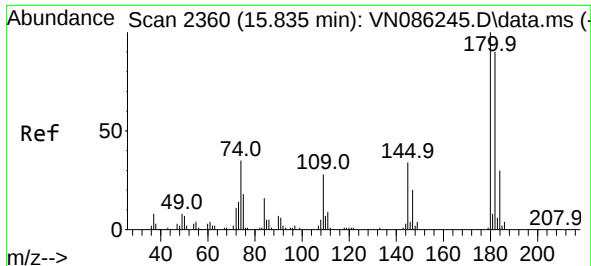
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 48868 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 45.1  | 22.7  | 68.0  |
| 148      | 62.7  | 31.8  | 95.3  |



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 17.808 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. -0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 7385  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 73.8  | 60.3  | 90.5  |
| 157      | 95.7  | 79.0  | 118.4 |

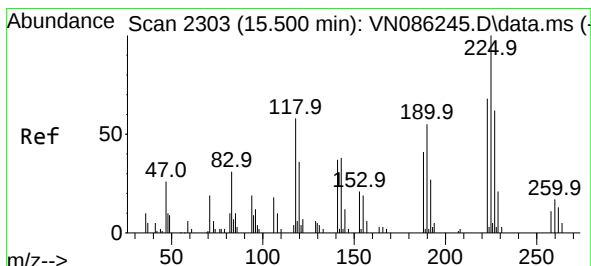
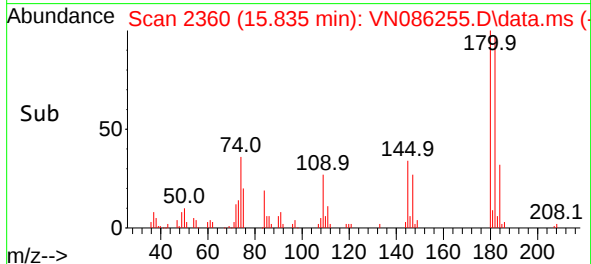
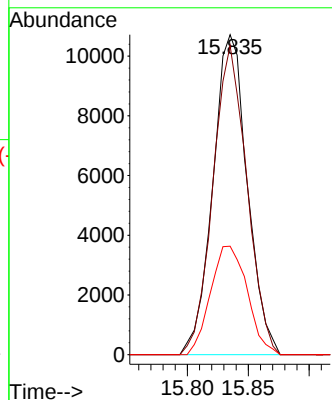
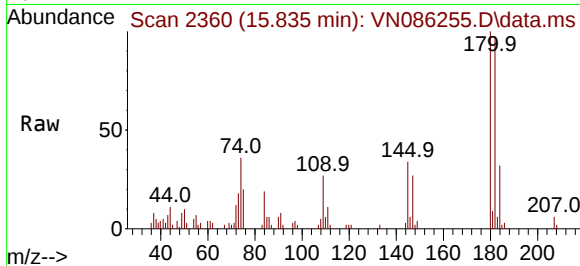




#89  
 1,2,4-Trichlorobenzene  
 Concen: 16.646 ug/l  
 RT: 15.835 min Scan# 21063  
 Delta R.T. 0.000 min  
 Lab File: VN086255.D  
 Acq: 11 Apr 2025 17:28

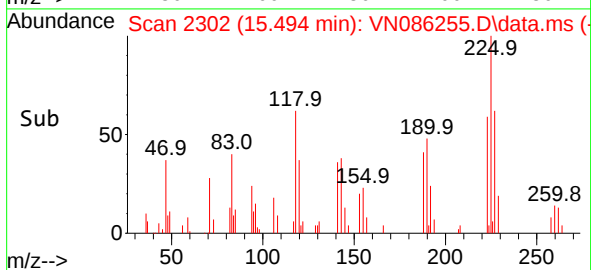
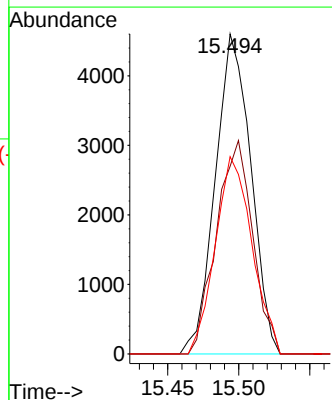
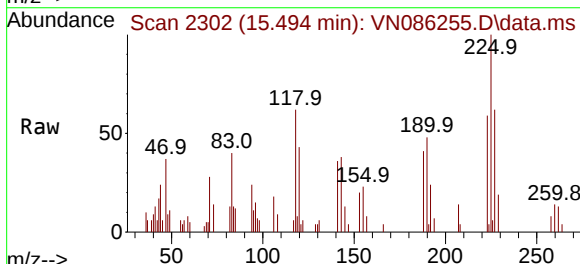
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

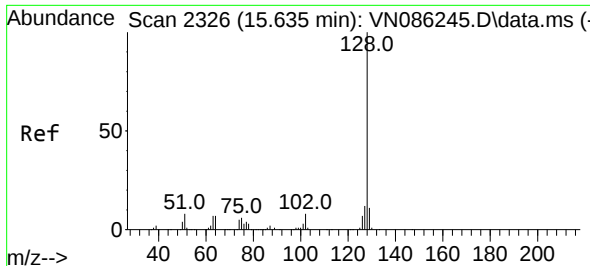
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 75.1  | 112.7 |
| 145     | 36.2  | 27.1  | 40.7  |



#90  
 Hexachlorobutadiene  
 Concen: 14.656 ug/l  
 RT: 15.494 min Scan# 2302  
 Delta R.T. -0.006 min  
 Lab File: VN086255.D  
 Acq: 11 Apr 2025 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 68.3  | 0.0   | 130.0 |
| 227     | 63.9  | 0.0   | 123.2 |

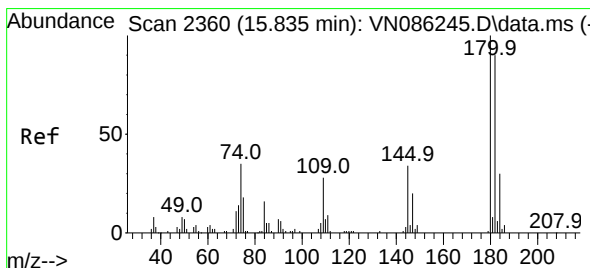
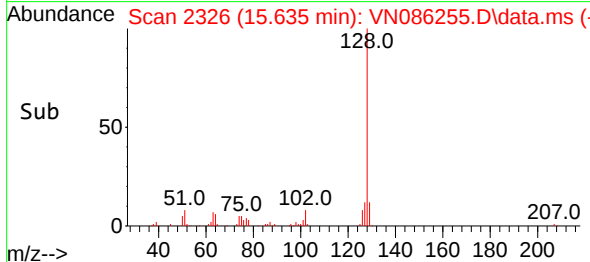
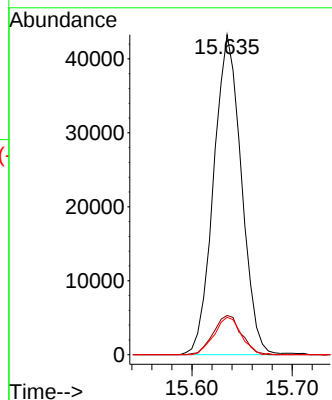
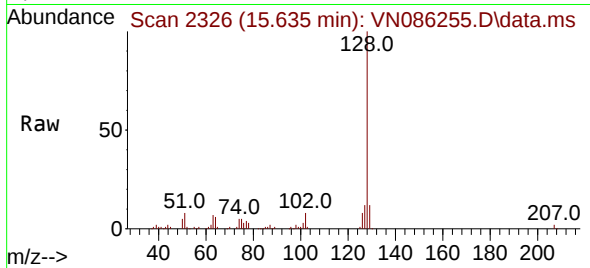




#91  
Naphthalene  
Concen: 16.677 ug/l  
RT: 15.635 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 83203 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.4  | 10.2  | 15.2  |
| 129      | 11.3  | 8.8   | 13.2  |



#92  
1,2,3-Trichlorobenzene  
Concen: 16.646 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VN086255.D  
Acq: 11 Apr 2025 17:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 21063 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.2  | 0.0   | 187.8 |
| 145      | 36.2  | 0.0   | 67.8  |

