

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102524\  
 Data File : VN084503.D  
 Acq On : 25 Oct 2024 08:59  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 25 23:26:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 8.224  | 168   | 182036   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114   | 306519   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 274612   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788 | 152   | 138591   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.577  | 65    | 136646   | 50.628   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =     | 101.260% |
| 35) Dibromofluoromethane     | 8.165  | 113   | 111177   | 55.017   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =     | 110.040% |
| 50) Toluene-d8               | 10.565 | 98    | 393204   | 52.888   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =     | 105.780% |
| 62) 4-Bromofluorobenzene     | 12.847 | 95    | 151926   | 56.092   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =     | 112.180% |
| Target Compounds             |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 78372    | 36.398   | ug/l  | 94       |
| 3) Chloromethane             | 2.359  | 50    | 97478    | 39.648   | ug/l  | 96       |
| 4) Vinyl Chloride            | 2.512  | 62    | 101959   | 42.813   | ug/l  | 99       |
| 5) Bromomethane              | 2.954  | 94    | 65216    | 41.516   | ug/l  | 98       |
| 6) Chloroethane              | 3.118  | 64    | 68025    | 39.884   | ug/l  | 98       |
| 7) Trichlorofluoromethane    | 3.501  | 101   | 175700   | 47.378   | ug/l  | 99       |
| 8) Diethyl Ether             | 3.959  | 74    | 66547    | 48.384   | ug/l  | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 103796   | 48.848   | ug/l  | 99       |
| 10) Methyl Iodide            | 4.589  | 142   | 132208   | 48.314   | ug/l  | 99       |
| 11) Tert butyl alcohol       | 5.518  | 59    | 102421   | 230.135  | ug/l  | 99       |
| 12) 1,1-Dichloroethene       | 4.342  | 96    | 99299    | 48.448   | ug/l  | 99       |
| 13) Acrolein                 | 4.177  | 56    | 119107   | 233.122  | ug/l  | 99       |
| 14) Allyl chloride           | 5.024  | 41    | 159978   | 44.943   | ug/l  | 99       |
| 15) Acrylonitrile            | 5.718  | 53    | 283323   | 252.096  | ug/l  | 99       |
| 16) Acetone                  | 4.424  | 43    | 332361   | 286.656  | ug/l  | 99       |
| 17) Carbon Disulfide         | 4.712  | 76    | 262424   | 40.440   | ug/l  | 97       |
| 18) Methyl Acetate           | 5.024  | 43    | 127400   | 50.414   | ug/l  | 100      |
| 19) Methyl tert-butyl Ether  | 5.789  | 73    | 361709   | 52.287   | ug/l  | 97       |
| 20) Methylene Chloride       | 5.277  | 84    | 116230   | 49.315   | ug/l  | 94       |
| 21) trans-1,2-Dichloroethene | 5.789  | 96    | 106580   | 49.634   | ug/l  | 97       |
| 22) Diisopropyl ether        | 6.671  | 45    | 377582   | 51.282   | ug/l  | 97       |
| 23) Vinyl Acetate            | 6.600  | 43    | 1413227  | 258.787  | ug/l  | 99       |
| 24) 1,1-Dichloroethane       | 6.565  | 63    | 209603   | 50.906   | ug/l  | 99       |
| 25) 2-Butanone               | 7.483  | 43    | 419219   | 265.466  | ug/l  | 100      |
| 26) 2,2-Dichloropropane      | 7.489  | 77    | 188590   | 50.799   | ug/l  | 98       |
| 27) cis-1,2-Dichloroethene   | 7.489  | 96    | 131412   | 50.644   | ug/l  | 98       |
| 28) Bromochloromethane       | 7.812  | 49    | 90237    | 49.119   | ug/l  | 97       |
| 29) Tetrahydrofuran          | 7.836  | 42    | 244782   | 251.177  | ug/l  | 97       |
| 30) Chloroform               | 7.965  | 83    | 220877   | 51.643   | ug/l  | 97       |
| 31) Cyclohexane              | 8.253  | 56    | 172359   | 43.113   | ug/l  | 99       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 194610   | 50.664   | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 8.371  | 75    | 149163   | 50.818   | ug/l  | 99       |
| 37) Ethyl Acetate            | 7.553  | 43    | 154236   | 51.219   | ug/l  | 99       |
| 38) Carbon Tetrachloride     | 8.359  | 117   | 166783   | 51.799   | ug/l  | 98       |
| 39) Methylcyclohexane        | 9.600  | 83    | 164018   | 50.207   | ug/l  | 98       |
| 40) Benzene                  | 8.606  | 78    | 476364   | 52.089   | ug/l  | 100      |

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

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 25 23:26:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.771  | 41   | 83663    | 51.176  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 161416   | 52.064  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.683  | 43   | 291182   | 49.368  | ug/l   | 98       |
| 44) Trichloroethene           | 9.353  | 130  | 110560   | 51.762  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 116927   | 54.048  | ug/l   | 98       |
| 46) Dibromomethane            | 9.706  | 93   | 81712    | 55.969  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.888  | 83   | 176433   | 54.395  | ug/l # | 97       |
| 48) Methyl methacrylate       | 9.677  | 41   | 122412   | 52.136  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 42259    | 977.637 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 786274   | 274.285 | ug/l   | 99       |
| 52) Toluene                   | 10.630 | 92   | 301445   | 54.054  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 181476   | 54.888  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 195885   | 55.080  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 111558   | 55.801  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 185958   | 56.529  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 194415   | 54.423  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 421419   | 276.155 | ug/l   | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 603310   | 281.584 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.359 | 129  | 133861   | 56.669  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 113691   | 54.729  | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.100 | 164  | 97893    | 51.180  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.888 | 112  | 322959   | 53.042  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 112949   | 53.856  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.965 | 91   | 575865   | 53.480  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.071 | 106  | 442765   | 111.160 | ug/l   | 100      |
| 69) o-Xylene                  | 12.394 | 106  | 207862   | 55.158  | ug/l   | 98       |
| 70) Styrene                   | 12.406 | 104  | 367629   | 57.594  | ug/l   | 98       |
| 71) Bromoform                 | 12.576 | 173  | 87003    | 56.348  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.694 | 105  | 543431   | 51.385  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 237218   | 49.533  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 160145   | 50.359  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.988 | 75   | 214548   | 75.829  | ug/l   | 60       |
| 77) Bromobenzene              | 12.976 | 156  | 131034   | 51.366  | ug/l   | 95       |
| 78) n-propylbenzene           | 13.035 | 91   | 649179   | 52.981  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 396945   | 50.768  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 464199   | 53.809  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 65645    | 55.624  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 406014   | 51.584  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 376330   | 49.081  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 465072   | 53.515  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.612 | 105  | 544439   | 53.211  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 456315   | 53.933  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 243161   | 50.810  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.806 | 146  | 241454   | 49.961  | ug/l   | 100      |
| 89) n-Butylbenzene            | 14.053 | 91   | 404862   | 52.772  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.329 | 117  | 84136    | 48.991  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.100 | 146  | 233253   | 49.707  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 30813    | 46.955  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 120724   | 52.231  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 54186    | 47.010  | ug/l   | 98       |
| 95) Naphthalene               | 15.635 | 128  | 381581   | 49.799  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 117270   | 50.686  | ug/l   | 99       |

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

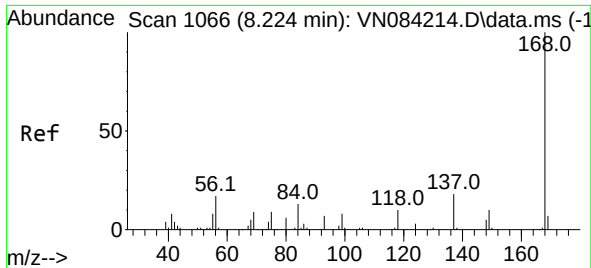
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Oct 25 23:26:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration

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

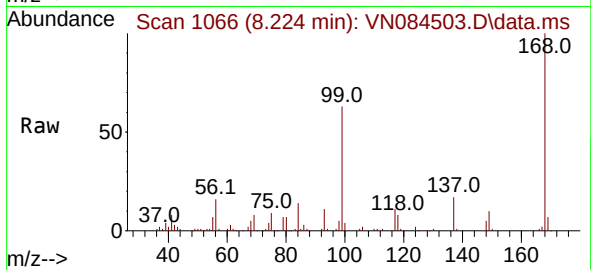
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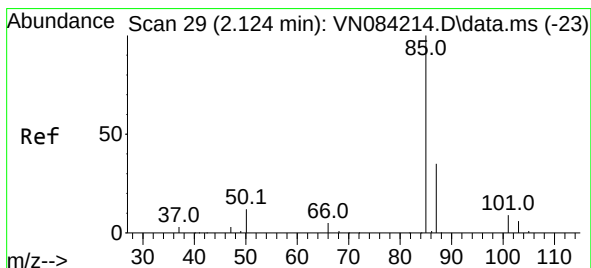
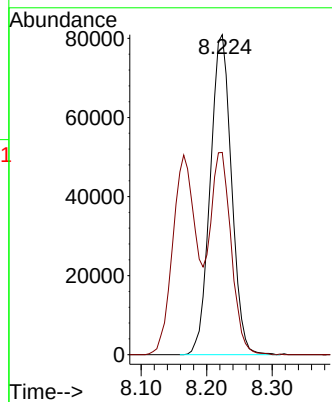
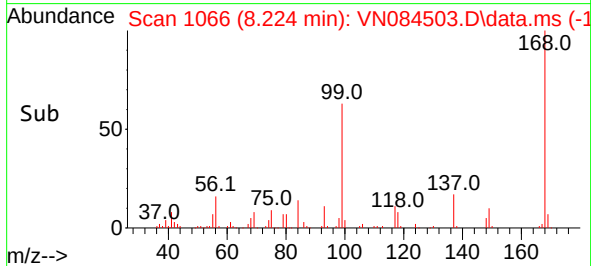


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Instrument :  
MSVOA\_N  
ClientSampleId :

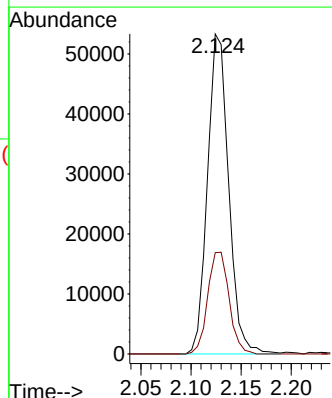
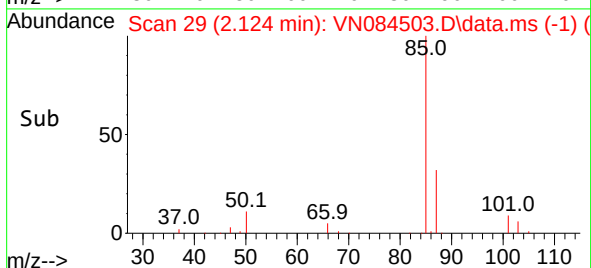
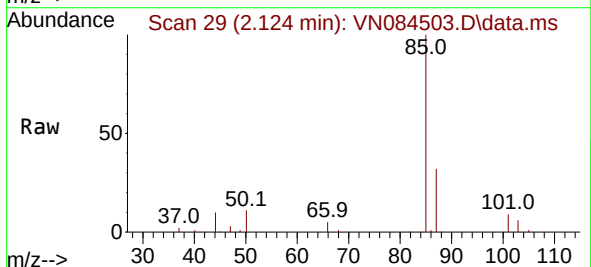


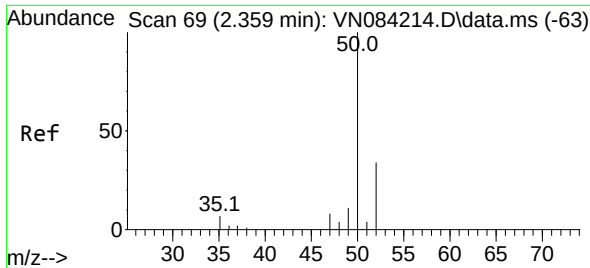
Tgt Ion:168 Resp: 182036  
Ion Ratio Lower Upper  
168 100  
99 63.0 54.2 81.2



#2  
Dichlorodifluoromethane  
Concen: 36.398 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 85 Resp: 78372  
Ion Ratio Lower Upper  
85 100  
87 31.6 17.6 52.9

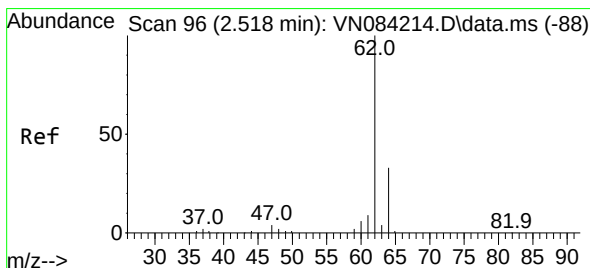
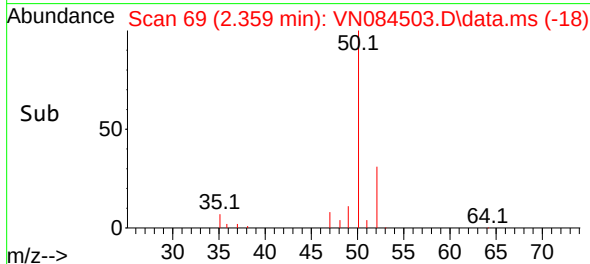
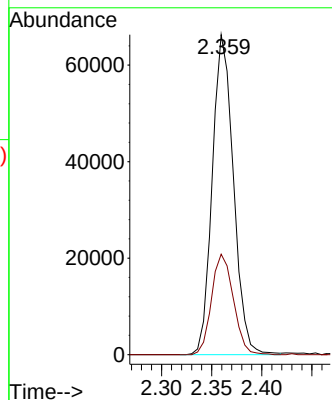
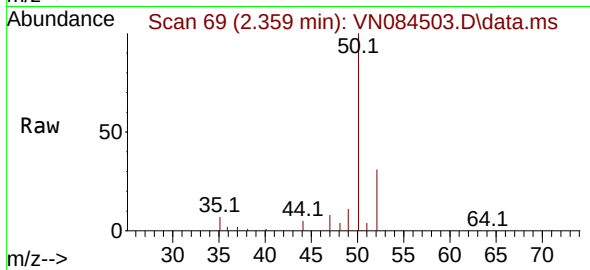




#3  
Chloromethane  
Concen: 39.648 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

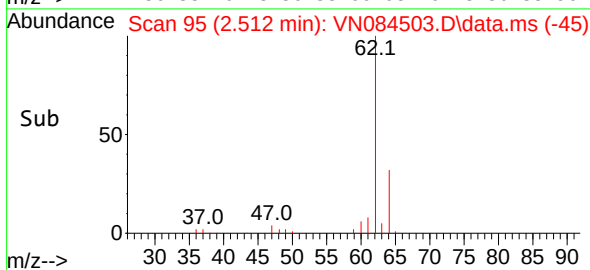
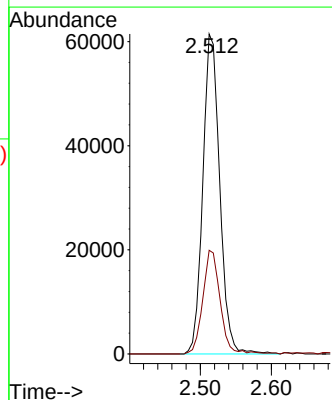
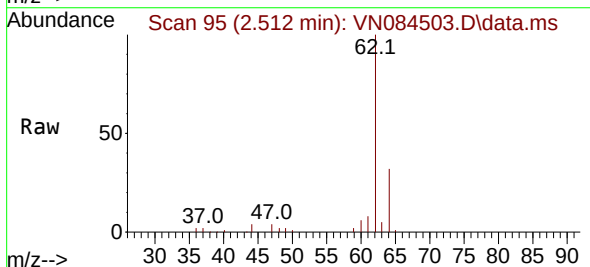
Instrument :  
MSVOA\_N  
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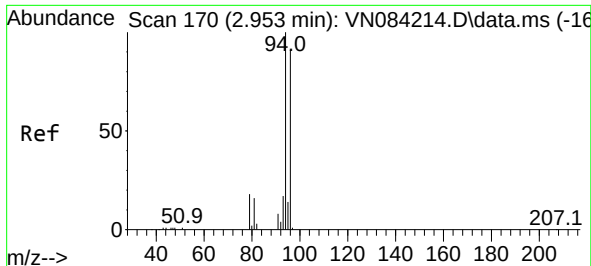
Tgt Ion: 50 Resp: 97478  
Ion Ratio Lower Upper  
50 100  
52 31.4 26.8 40.2



#4  
Vinyl Chloride  
Concen: 42.813 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. -0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 62 Resp: 101959  
Ion Ratio Lower Upper  
62 100  
64 32.4 26.2 39.4

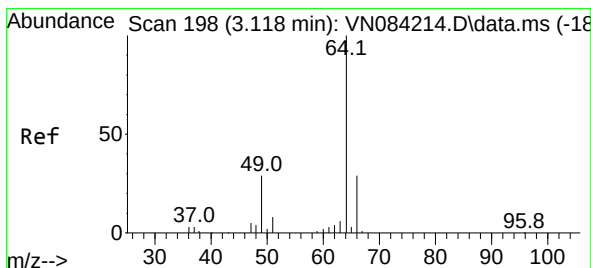
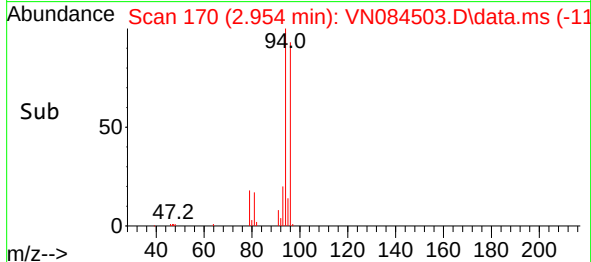
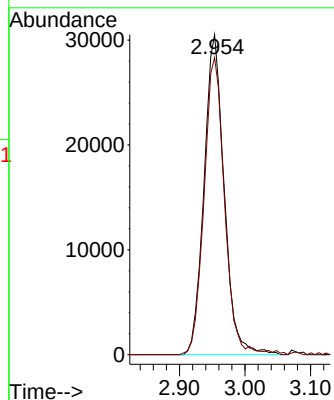
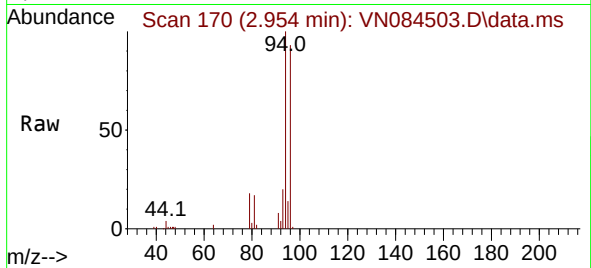




#5  
Bromomethane  
Concen: 41.516 ug/l  
RT: 2.954 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

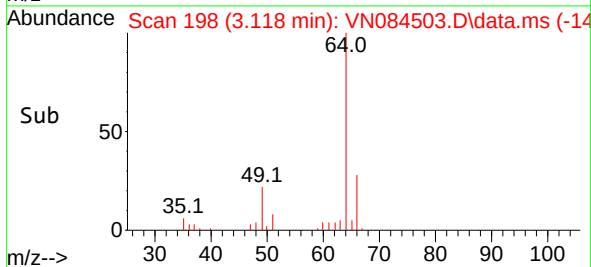
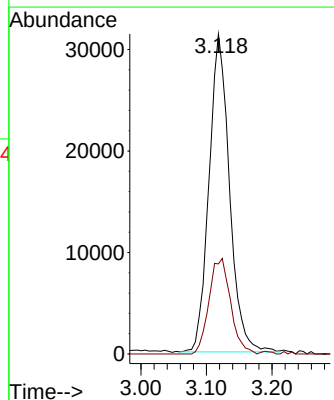
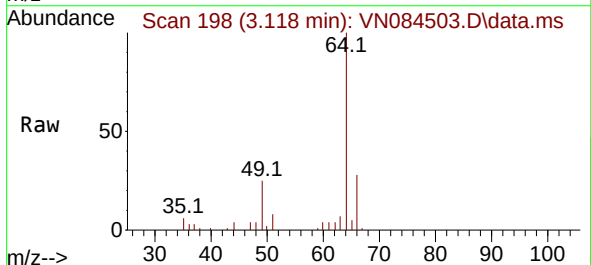
Instrument :  
MSVOA\_N  
ClientSampleId :

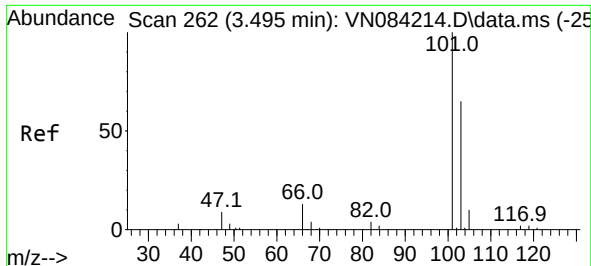
Tgt Ion: 94 Resp: 65216  
Ion Ratio Lower Upper  
94 100  
96 92.8 72.9 109.3



#6  
Chloroethane  
Concen: 39.884 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

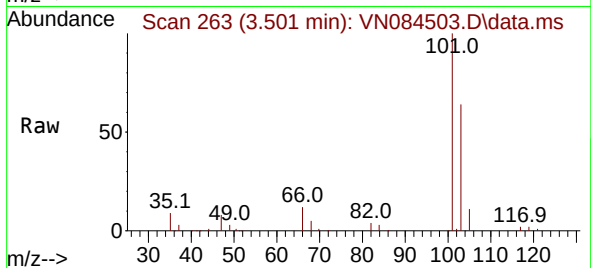
Tgt Ion: 64 Resp: 68025  
Ion Ratio Lower Upper  
64 100  
66 28.3 23.5 35.3



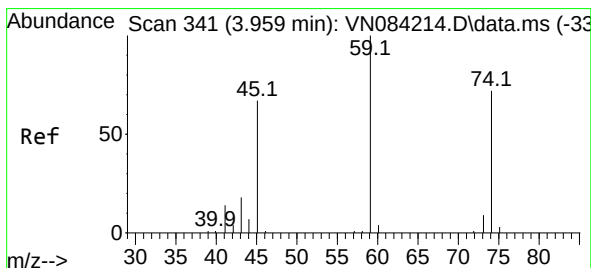
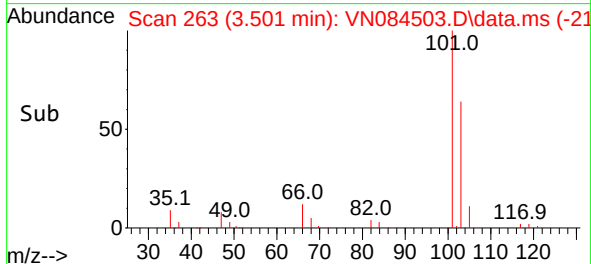
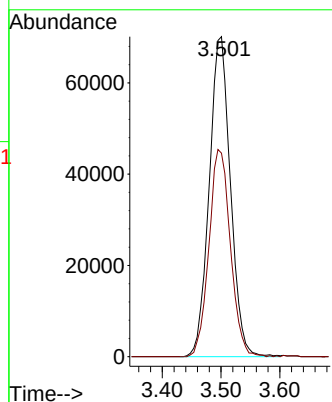


#7  
 Trichlorofluoromethane  
 Concen: 47.378 ug/l  
 RT: 3.501 min Scan# 263  
 Delta R.T. 0.006 min  
 Lab File: VN084503.D  
 Acq: 25 Oct 2024 08:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :

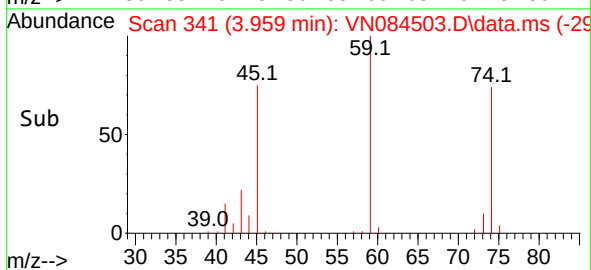
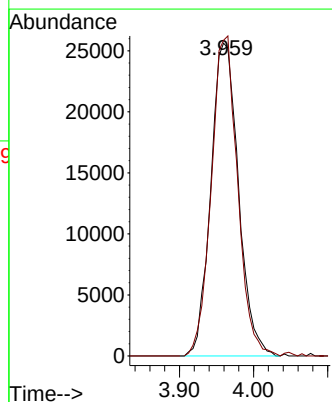
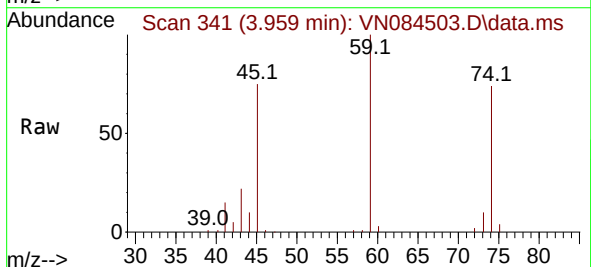


Tgt Ion:101 Resp: 175700  
 Ion Ratio Lower Upper  
 101 100  
 103 63.6 51.8 77.6

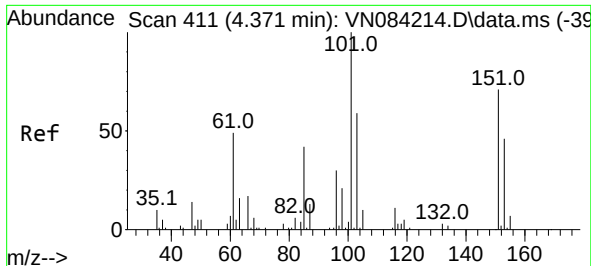


#8  
 Diethyl Ether  
 Concen: 48.384 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VN084503.D  
 Acq: 25 Oct 2024 08:59

Tgt Ion: 74 Resp: 66547  
 Ion Ratio Lower Upper  
 74 100  
 45 97.3 47.7 143.1



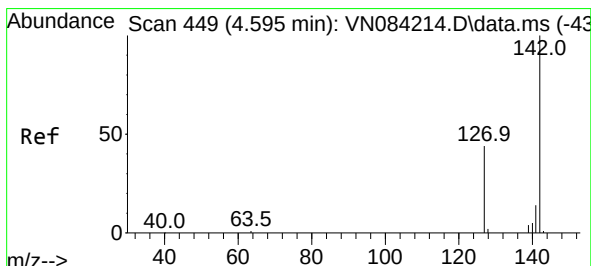
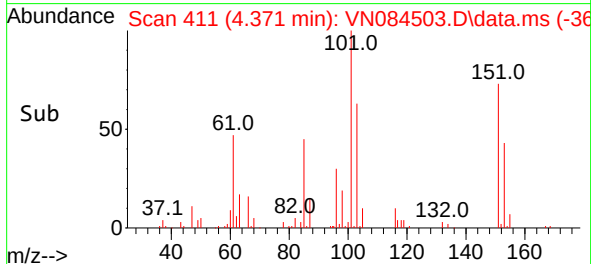
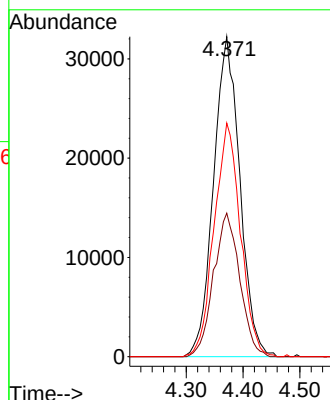
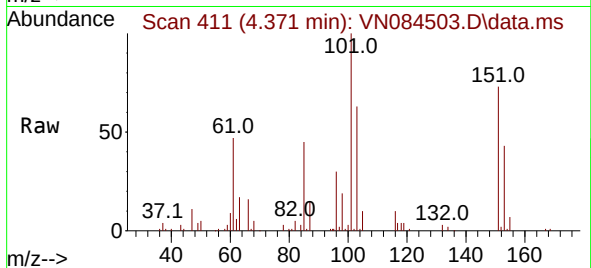




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.848 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

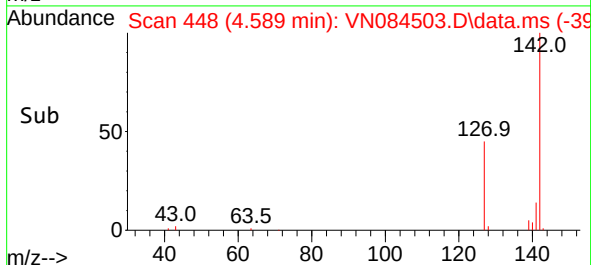
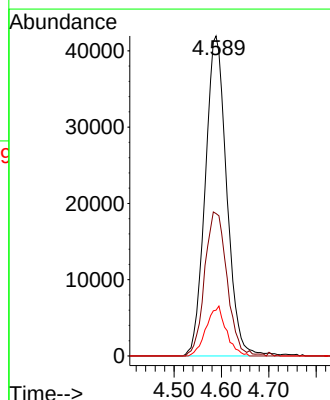
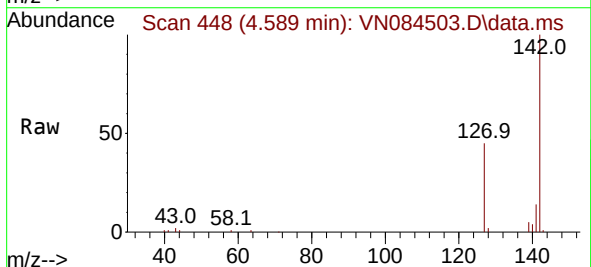
Instrument :  
MSVOA\_N  
ClientSampleId :

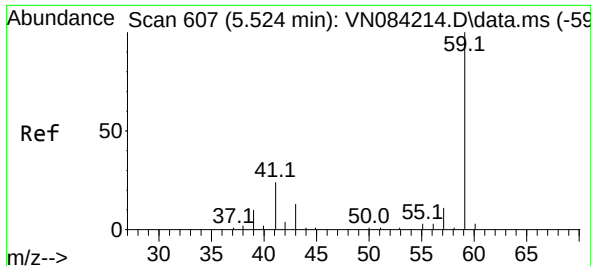
Tgt Ion:101 Resp: 103796  
Ion Ratio Lower Upper  
101 100  
85 44.5 36.2 54.4  
151 72.9 59.3 88.9



#10  
Methyl Iodide  
Concen: 48.314 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion:142 Resp: 132208  
Ion Ratio Lower Upper  
142 100  
127 44.5 35.3 52.9  
141 14.3 11.0 16.6





#11

Tert butyl alcohol

Concen: 230.135 ug/l

RT: 5.518 min Scan# 607

Delta R.T. -0.006 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

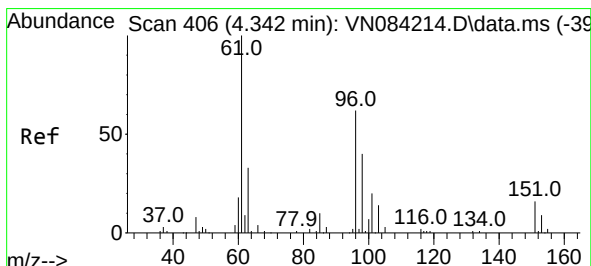
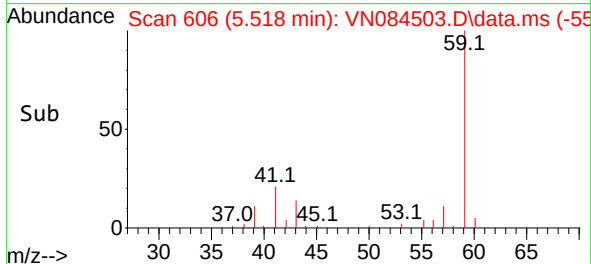
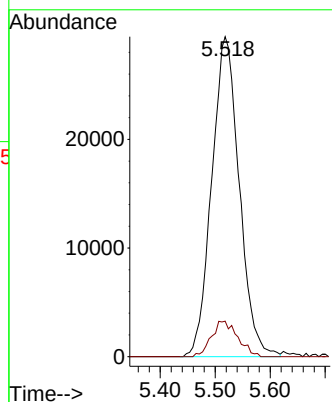
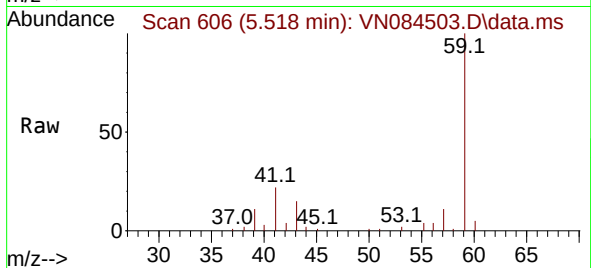
ClientSampleId :

Tgt Ion: 59 Resp: 102421

Ion Ratio Lower Upper

59 100

57 10.6 8.2 12.2



#12

1,1-Dichloroethene

Concen: 48.448 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

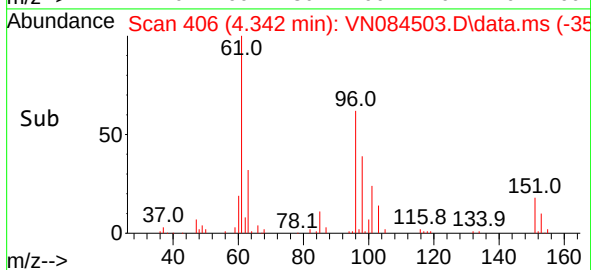
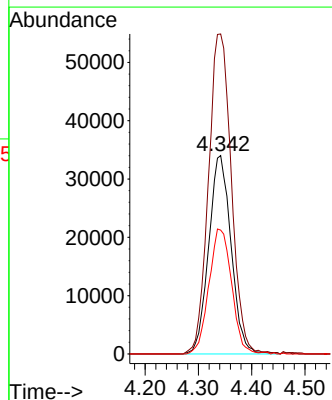
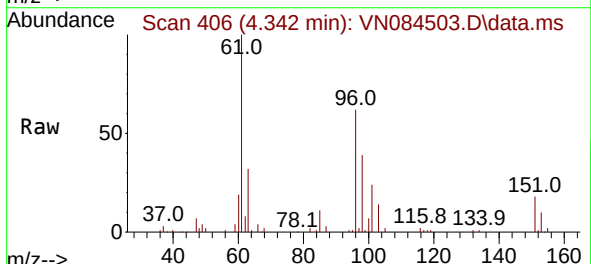
Tgt Ion: 96 Resp: 99299

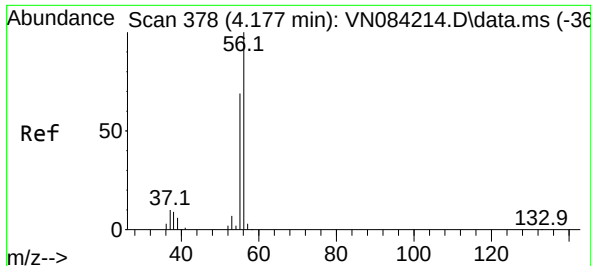
Ion Ratio Lower Upper

96 100

61 161.3 128.6 192.8

98 62.5 51.7 77.5

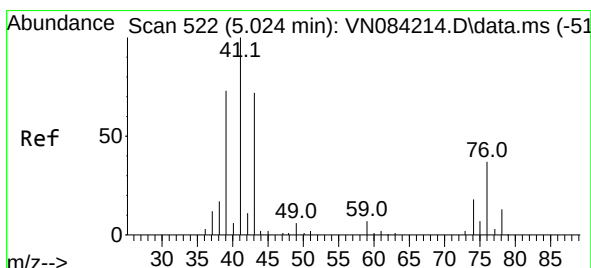
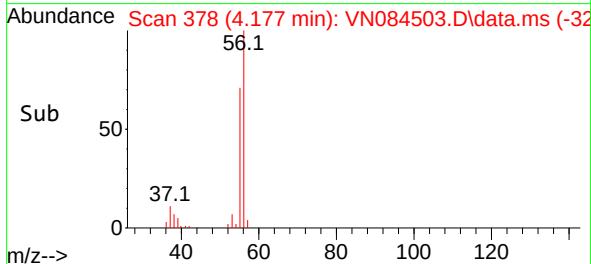
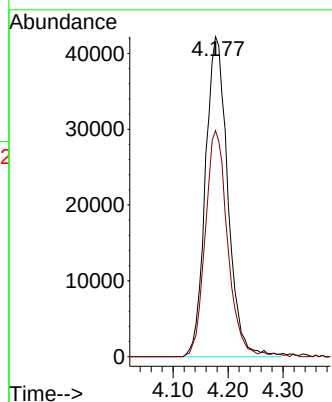
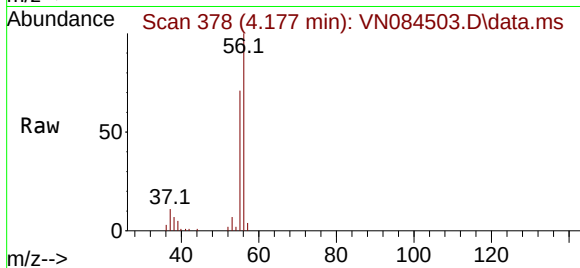




#13  
Acrolein  
Concen: 233.122 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

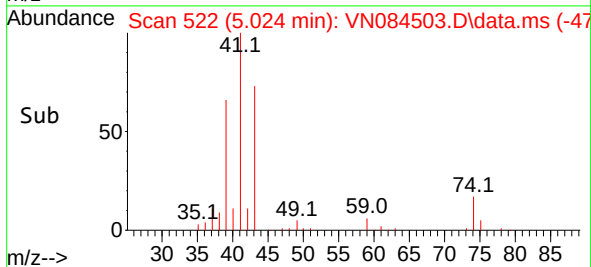
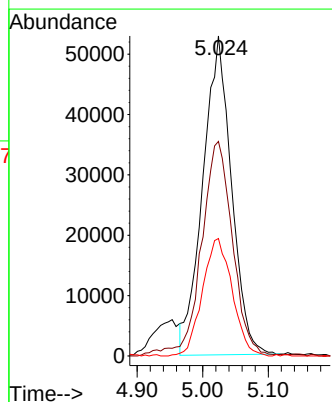
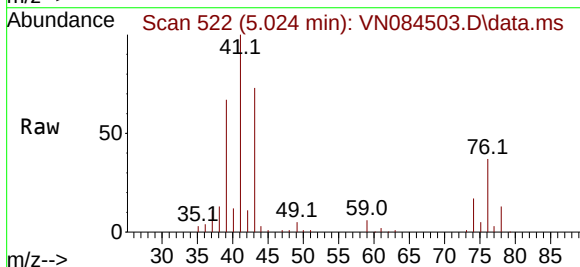
Instrument :  
MSVOA\_N  
ClientSampleId :

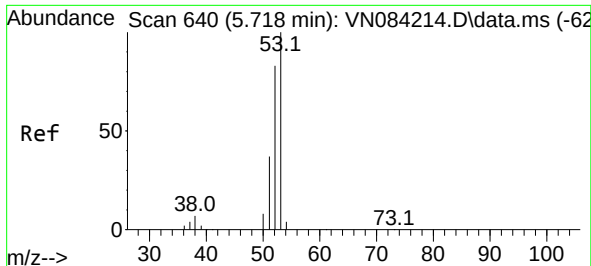
Tgt Ion: 56 Resp: 119107  
Ion Ratio Lower Upper  
56 100  
55 70.7 57.2 85.8



#14  
Allyl chloride  
Concen: 44.943 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 41 Resp: 159978  
Ion Ratio Lower Upper  
41 100  
39 73.4 59.0 88.6  
76 38.4 29.8 44.6

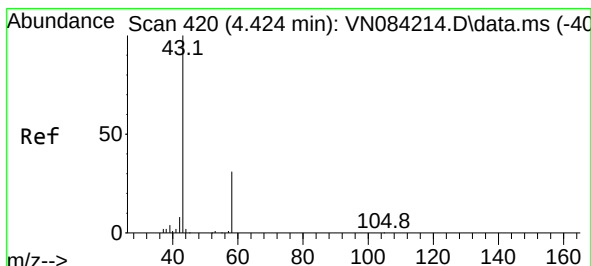
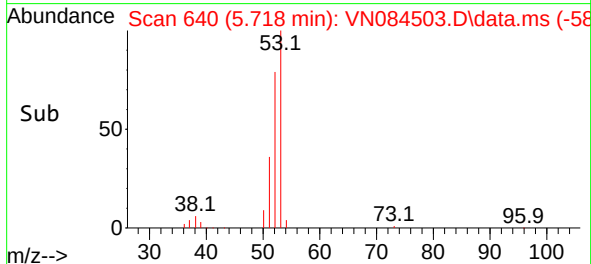
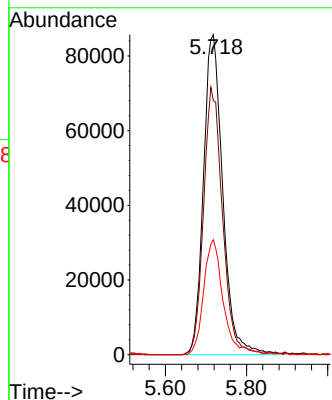
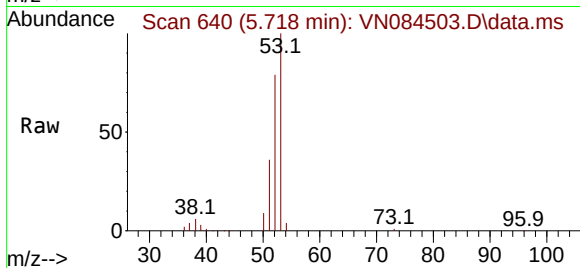




#15  
Acrylonitrile  
Concen: 252.096 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

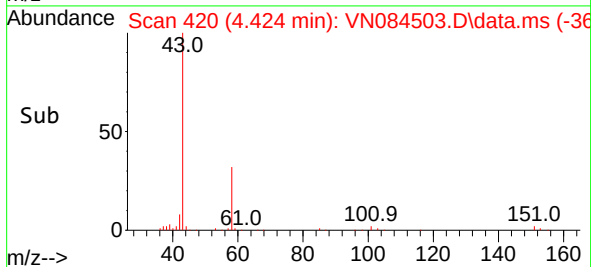
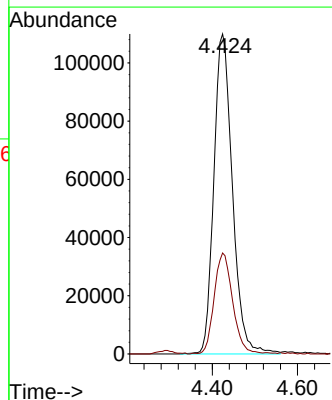
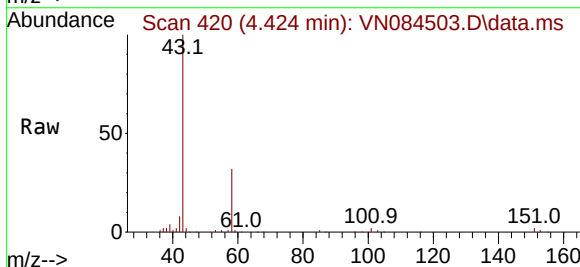
Instrument :  
MSVOA\_N  
ClientSampleId :

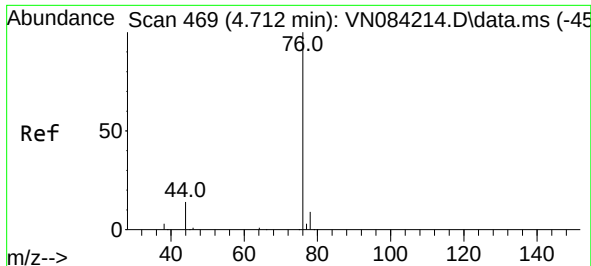
Tgt Ion: 53 Resp: 283323  
Ion Ratio Lower Upper  
53 100  
52 81.7 66.2 99.4  
51 36.3 28.8 43.2



#16  
Acetone  
Concen: 286.656 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 332361  
Ion Ratio Lower Upper  
43 100  
58 31.3 24.4 36.6

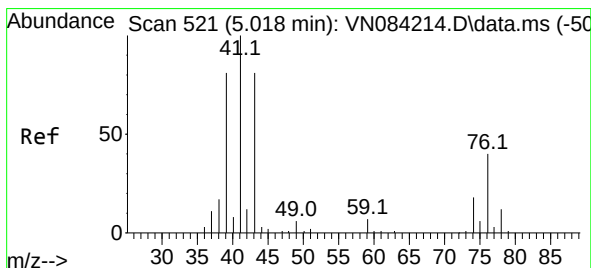
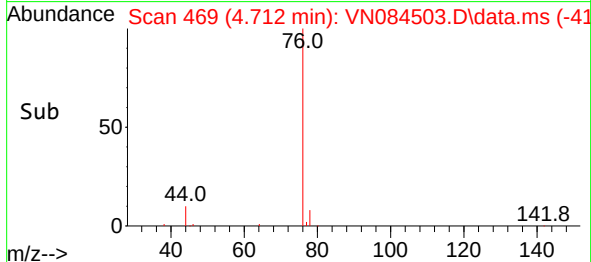
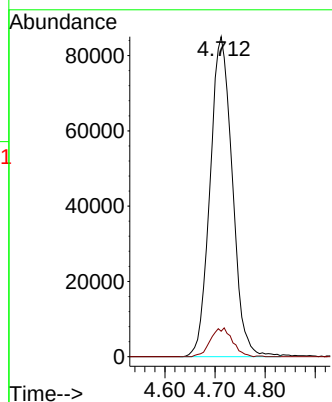
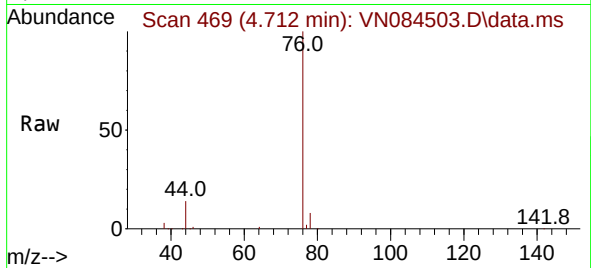




#17  
Carbon Disulfide  
Concen: 40.440 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

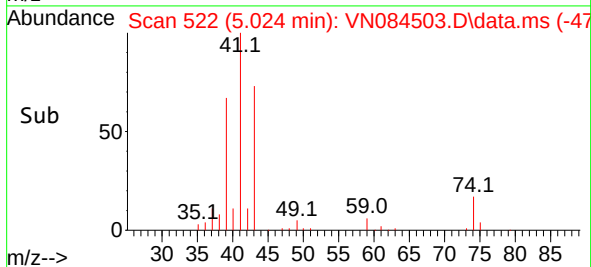
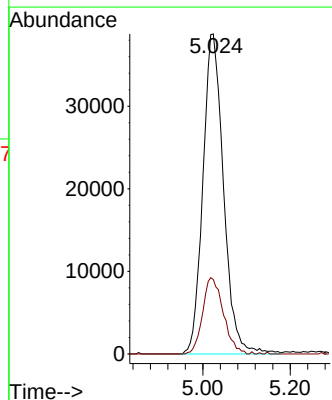
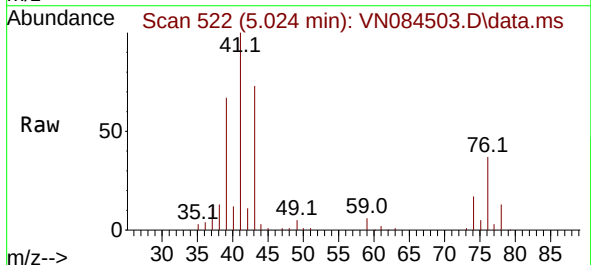
Instrument :  
MSVOA\_N  
ClientSampleId :

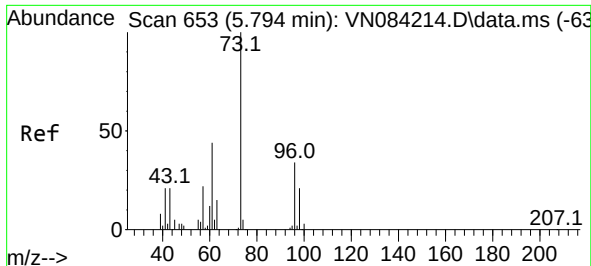
Tgt Ion: 76 Resp: 262424  
Ion Ratio Lower Upper  
76 100  
78 8.0 7.3 10.9



#18  
Methyl Acetate  
Concen: 50.414 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 127400  
Ion Ratio Lower Upper  
43 100  
74 23.8 19.2 28.8

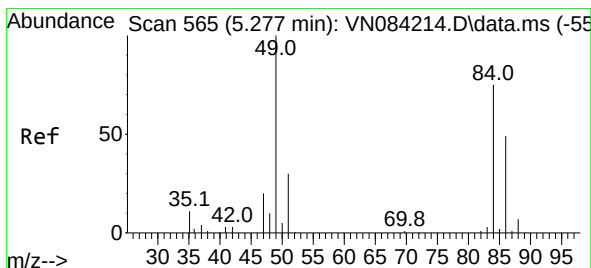
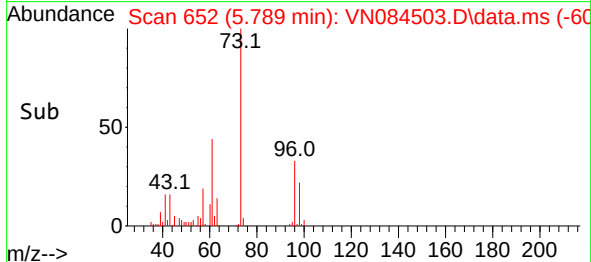
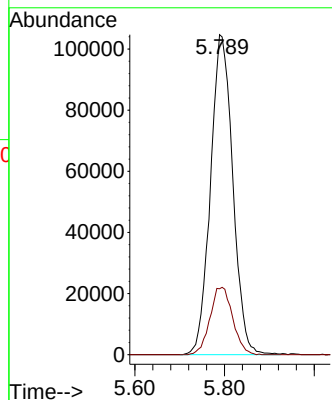
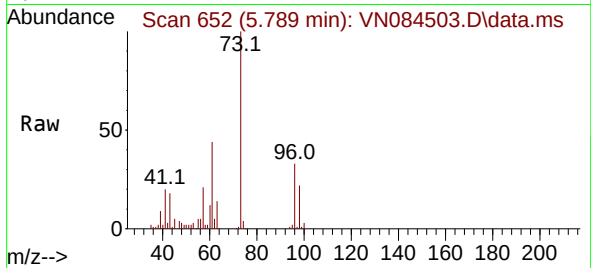




#19  
Methyl tert-butyl Ether  
Concen: 52.287 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

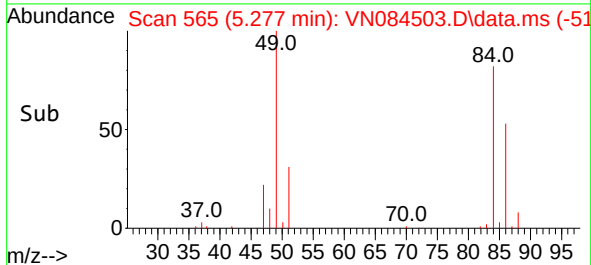
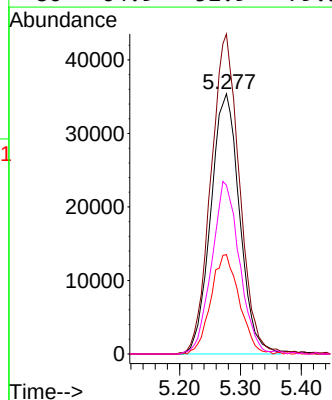
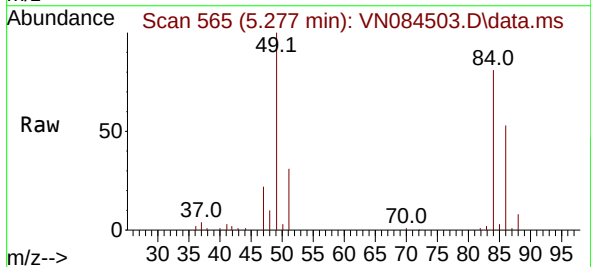
Instrument :  
MSVOA\_N  
ClientSampleId :

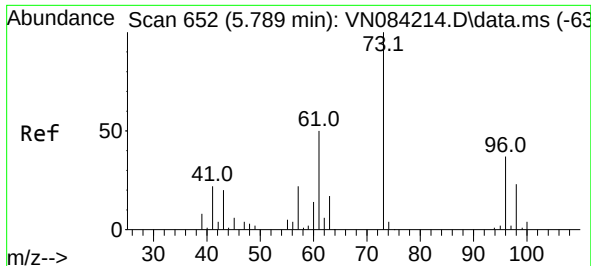
Tgt Ion: 73 Resp: 361709  
Ion Ratio Lower Upper  
73 100  
57 20.6 17.7 26.5



#20  
Methylene Chloride  
Concen: 49.315 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 84 Resp: 116230  
Ion Ratio Lower Upper  
84 100  
49 122.5 107.2 160.8  
51 38.2 31.8 47.8  
86 64.9 52.9 79.3

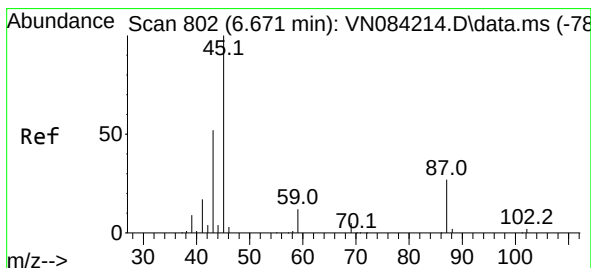
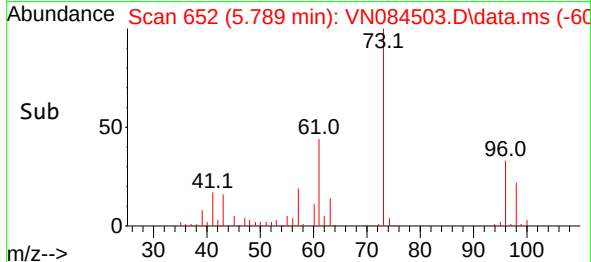
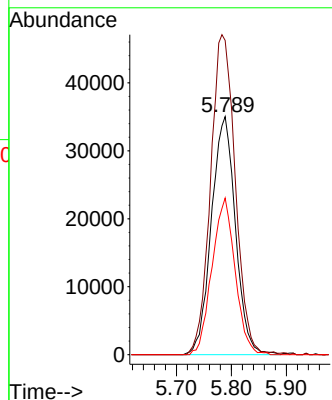
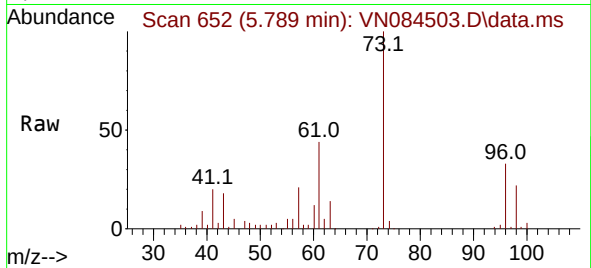




#21  
trans-1,2-Dichloroethene  
Concen: 49.634 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

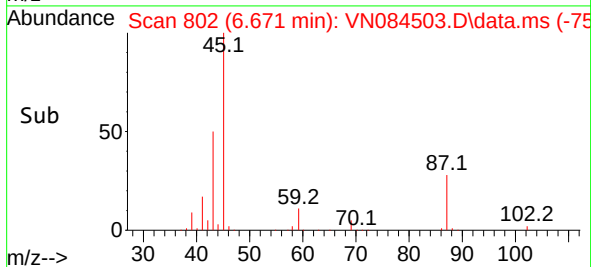
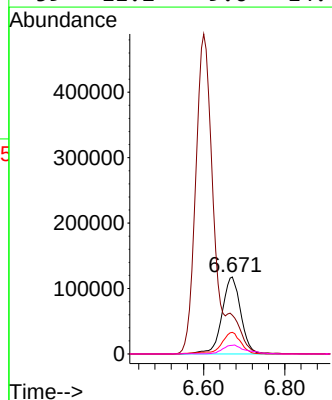
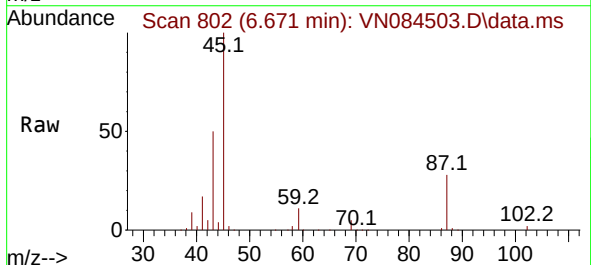
Instrument :  
MSVOA\_N  
ClientSampleId :

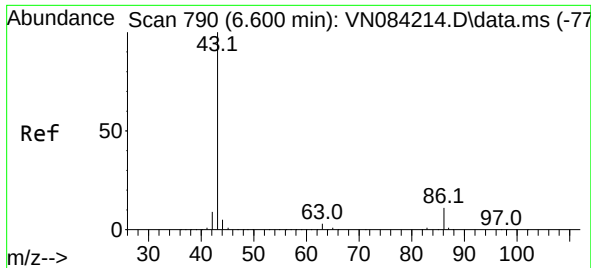
Tgt Ion: 96 Resp: 106580  
Ion Ratio Lower Upper  
96 100  
61 132.0 108.4 162.6  
98 65.8 49.8 74.8



#22  
Diisopropyl ether  
Concen: 51.282 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 45 Resp: 377582  
Ion Ratio Lower Upper  
45 100  
43 49.6 42.3 63.5  
87 28.1 21.8 32.6  
59 11.2 9.6 14.4

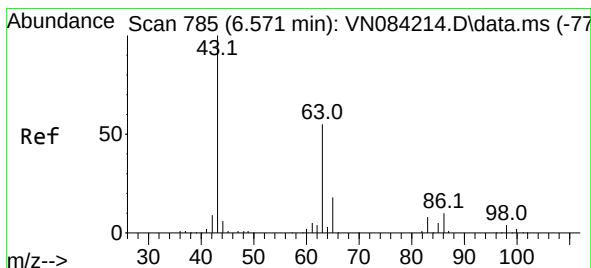
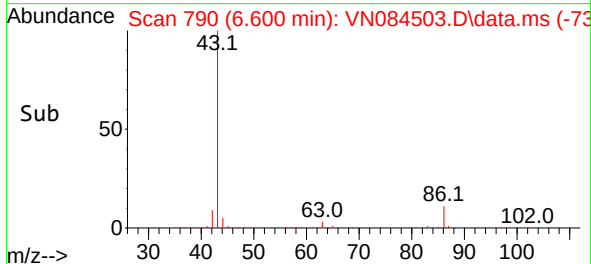
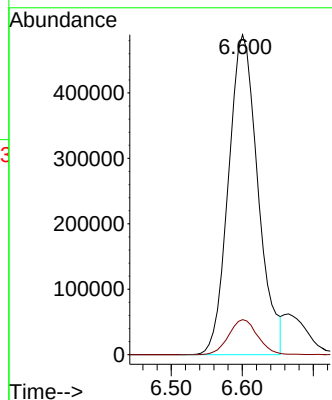
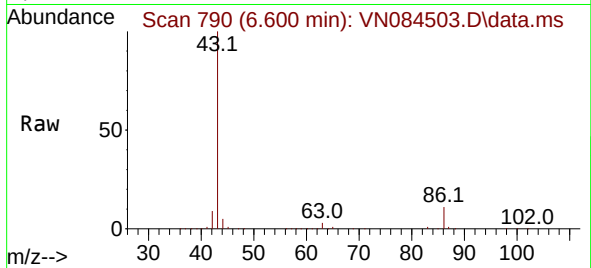




#23  
 Vinyl Acetate  
 Concen: 258.787 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.000 min  
 Lab File: VN084503.D  
 Acq: 25 Oct 2024 08:59

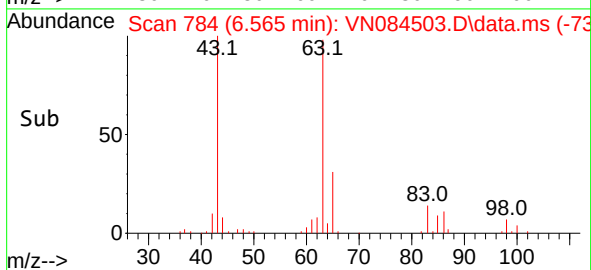
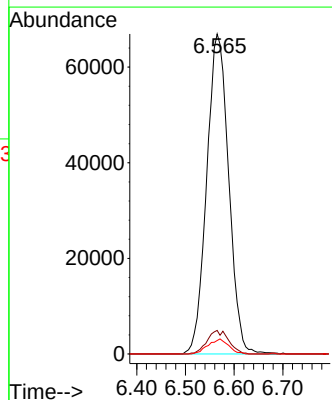
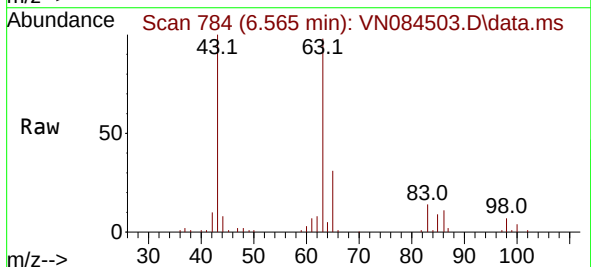
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion: 43 Resp: 1413227  
 Ion Ratio Lower Upper  
 43 100  
 86 10.9 8.6 12.8

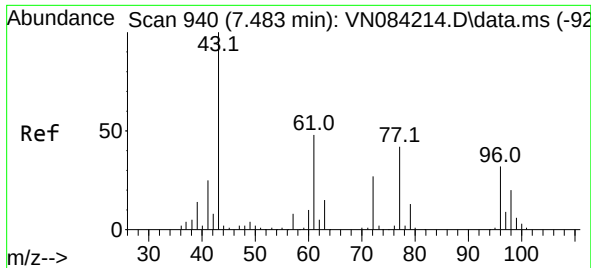


#24  
 1,1-Dichloroethane  
 Concen: 50.906 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. -0.006 min  
 Lab File: VN084503.D  
 Acq: 25 Oct 2024 08:59

Tgt Ion: 63 Resp: 209603  
 Ion Ratio Lower Upper  
 63 100  
 98 7.3 3.4 10.2  
 100 4.2 2.0 5.8



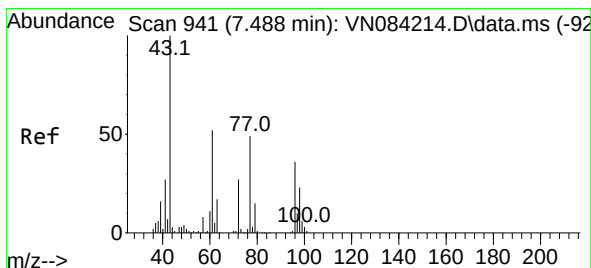
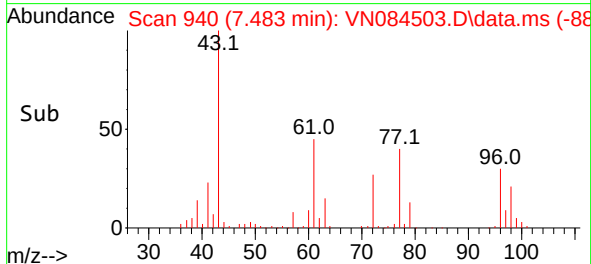
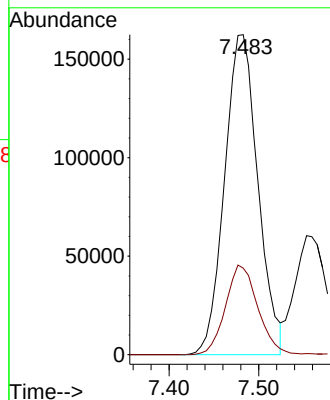
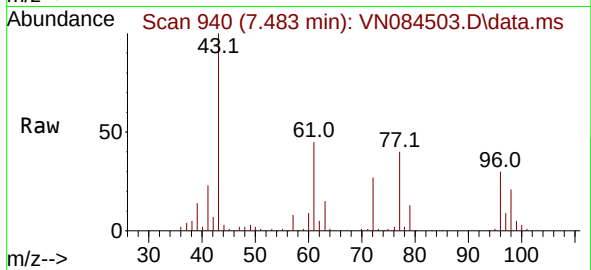




#25  
2-Butanone  
Concen: 265.466 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

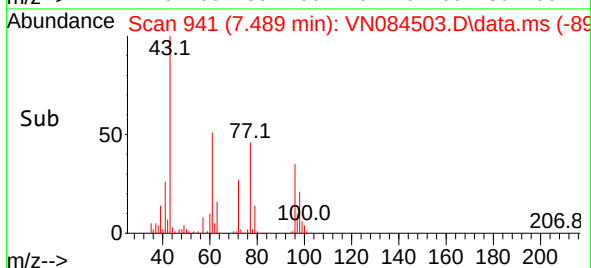
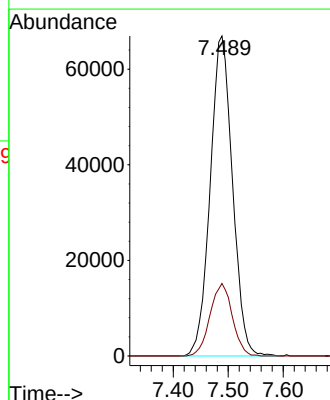
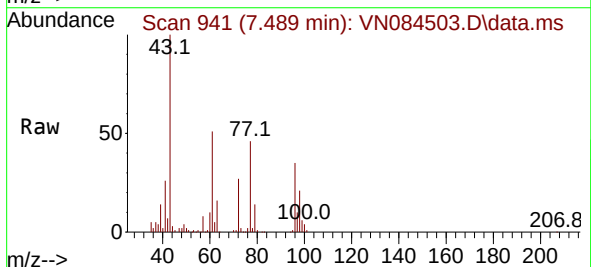
Instrument :  
MSVOA\_N  
ClientSampleId :

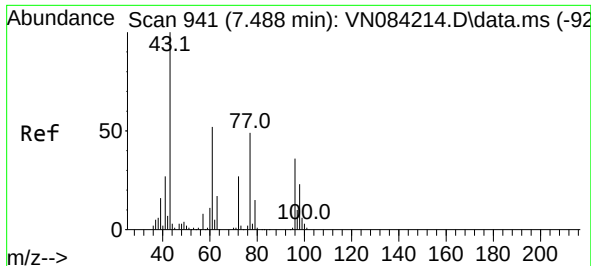
Tgt Ion: 43 Resp: 419219  
Ion Ratio Lower Upper  
43 100  
72 27.0 21.4 32.2



#26  
2,2-Dichloropropane  
Concen: 50.799 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

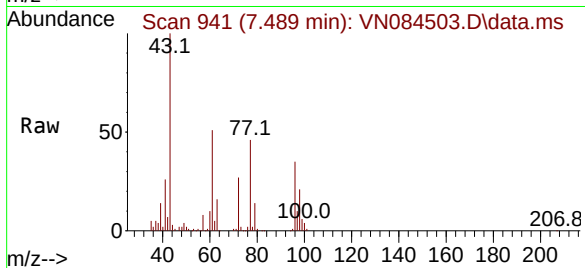
Tgt Ion: 77 Resp: 188590  
Ion Ratio Lower Upper  
77 100  
97 22.6 10.8 32.3



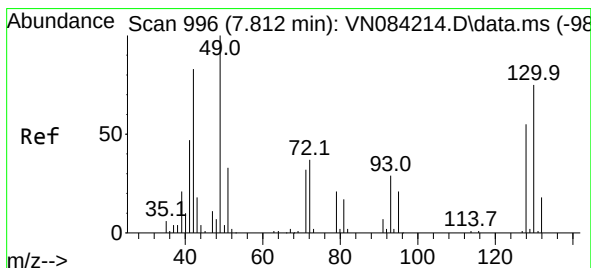
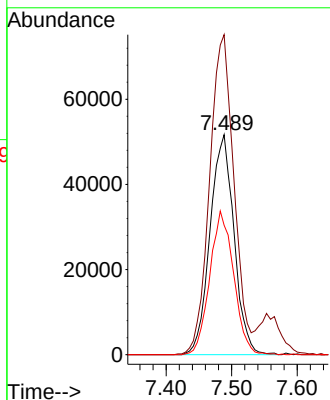
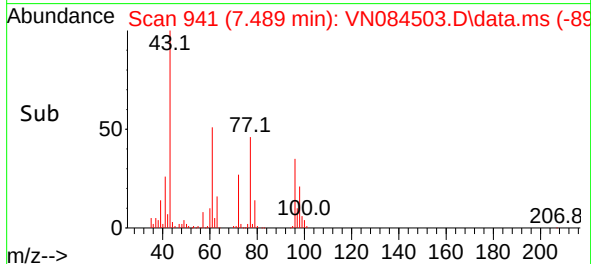


#27  
 cis-1,2-Dichloroethene  
 Concen: 50.644 ug/l  
 RT: 7.489 min Scan# 941  
 Delta R.T. 0.000 min  
 Lab File: VN084503.D  
 Acq: 25 Oct 2024 08:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :

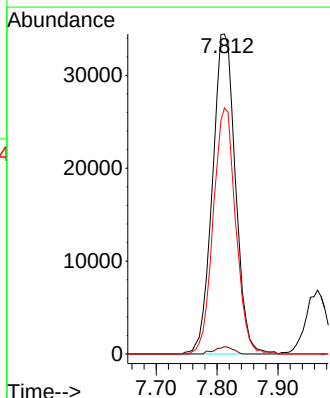
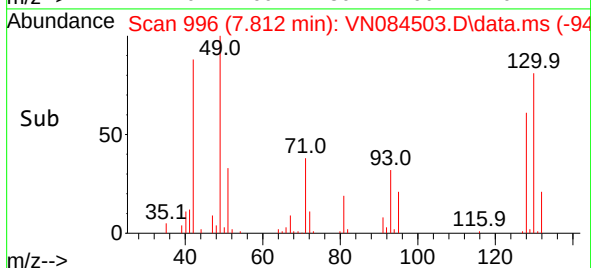
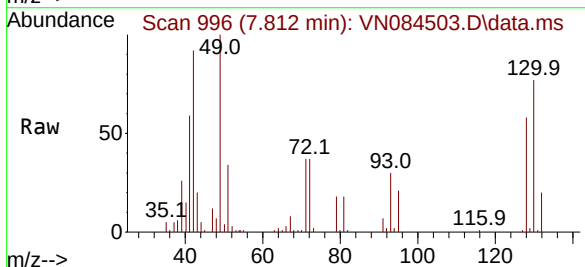


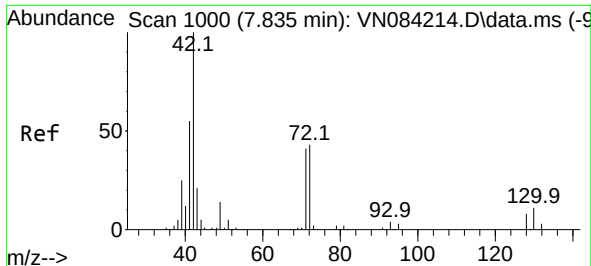
Tgt Ion: 96 Resp: 131412  
 Ion Ratio Lower Upper  
 96 100  
 61 147.2 0.0 301.8  
 98 65.0 0.0 128.2



#28  
 Bromochloromethane  
 Concen: 49.119 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.000 min  
 Lab File: VN084503.D  
 Acq: 25 Oct 2024 08:59

Tgt Ion: 49 Resp: 90237  
 Ion Ratio Lower Upper  
 49 100  
 129 1.8 0.0 3.6  
 130 75.1 58.0 87.0





#29

Tetrahydrofuran

Concen: 251.177 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

ClientSampleId :

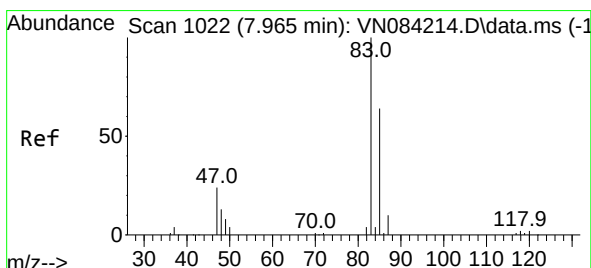
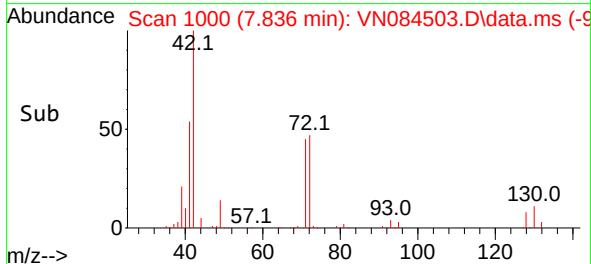
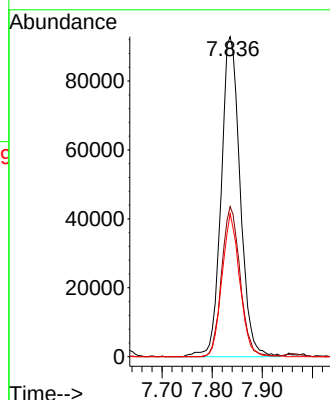
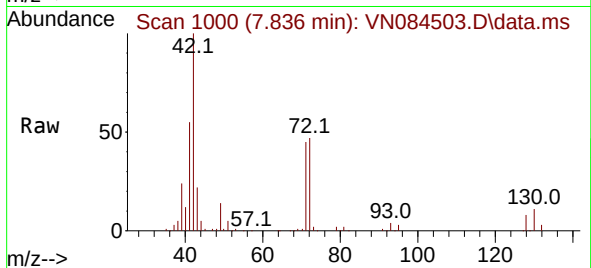
Tgt Ion: 42 Resp: 244782

Ion Ratio Lower Upper

42 100

72 45.6 34.6 51.8

71 41.7 32.2 48.4



#30

Chloroform

Concen: 51.643 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN084503.D

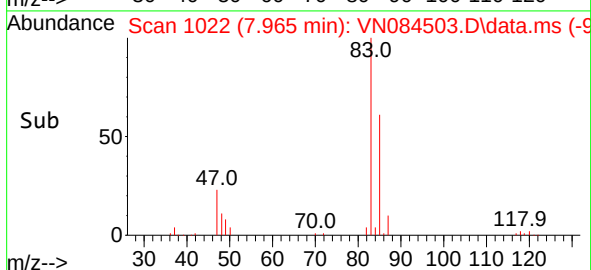
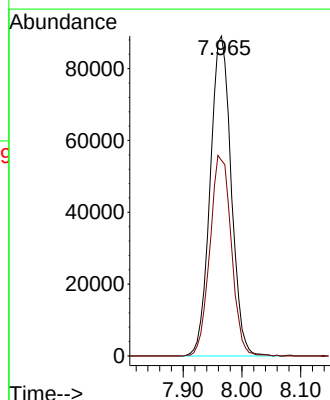
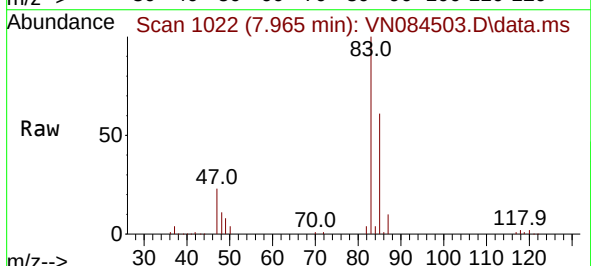
Acq: 25 Oct 2024 08:59

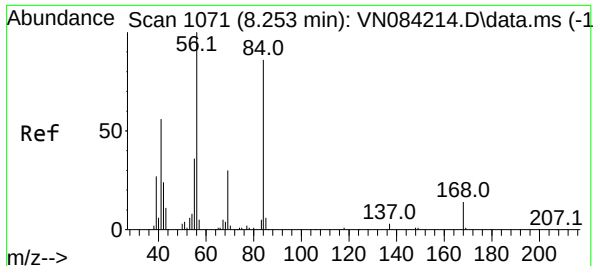
Tgt Ion: 83 Resp: 220877

Ion Ratio Lower Upper

83 100

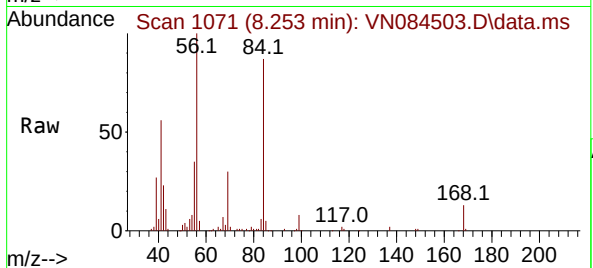
85 61.1 51.0 76.4



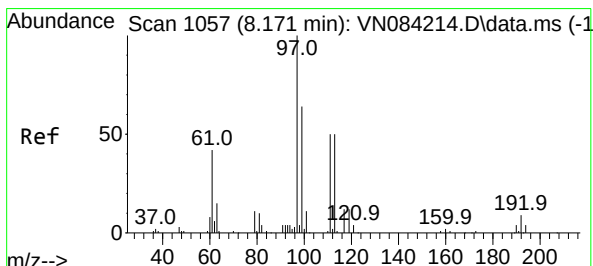
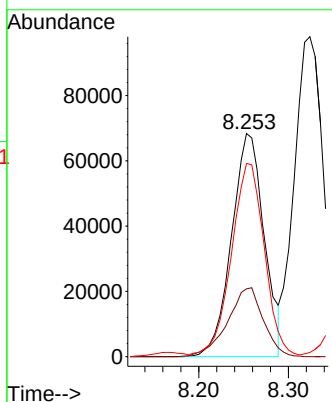
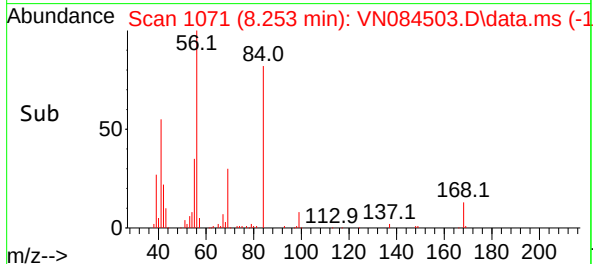


#31  
Cyclohexane  
Concen: 43.113 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Instrument :  
MSVOA\_N  
ClientSampleId :

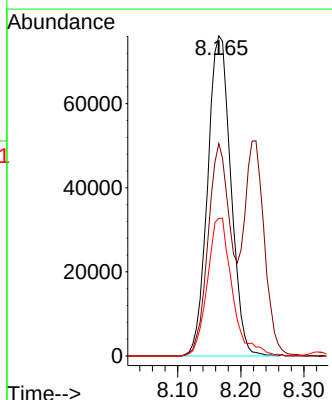
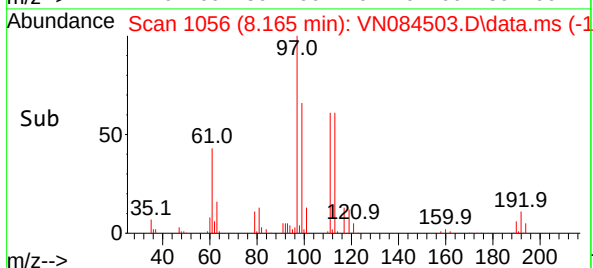
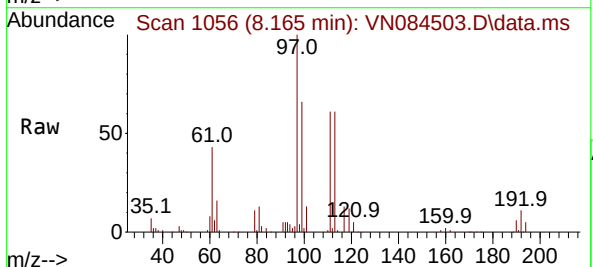


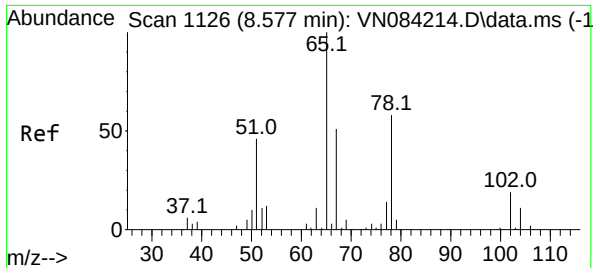
Tgt Ion: 56 Resp: 172359  
Ion Ratio Lower Upper  
56 100  
69 30.4 23.8 35.6  
84 85.0 68.8 103.2



#32  
1,1,1-Trichloroethane  
Concen: 50.664 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 97 Resp: 194610  
Ion Ratio Lower Upper  
97 100  
99 64.7 51.2 76.8  
61 46.1 37.5 56.3





#33

1,2-Dichloroethane-d4

Concen: 50.628 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

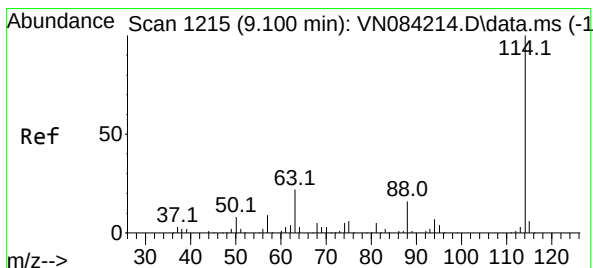
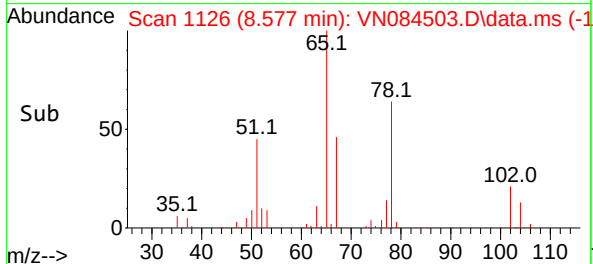
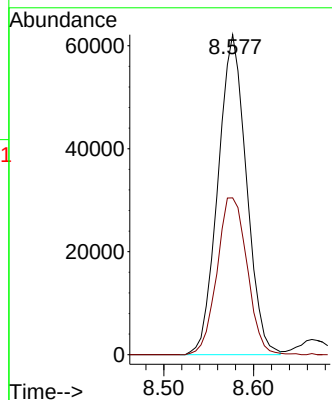
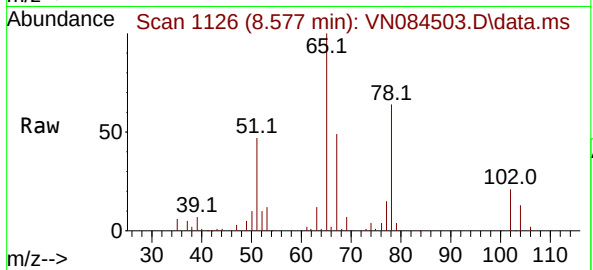
ClientSampleId :

Tgt Ion: 65 Resp: 136646

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

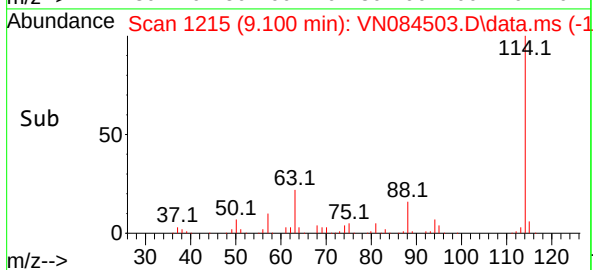
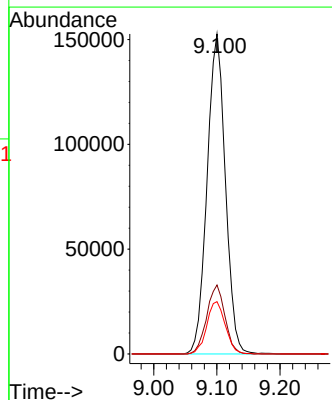
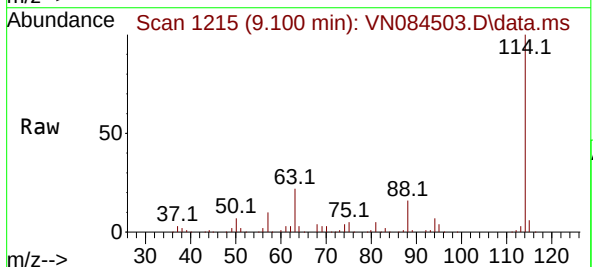
Tgt Ion: 114 Resp: 306519

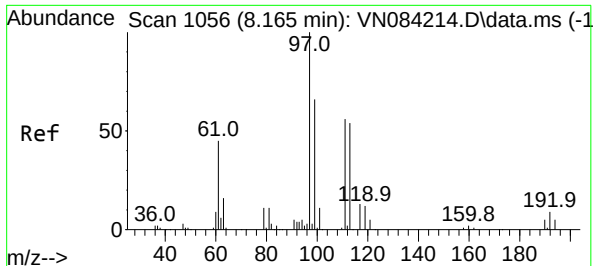
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.8

88 16.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 55.017 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

ClientSampleId :

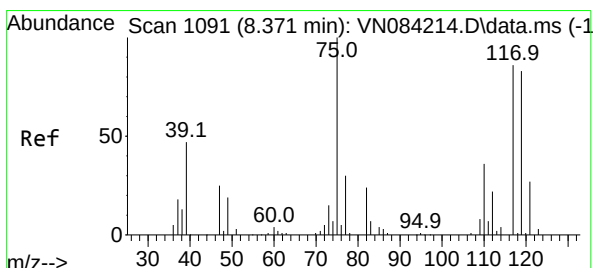
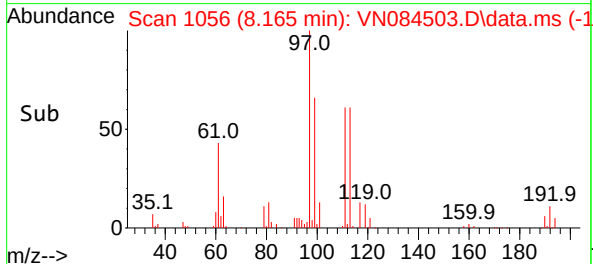
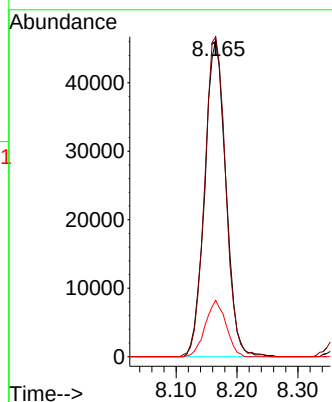
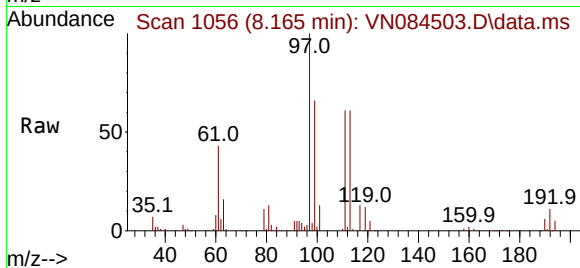
Tgt Ion:113 Resp: 111177

Ion Ratio Lower Upper

113 100

111 101.0 83.3 124.9

192 17.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 50.818 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

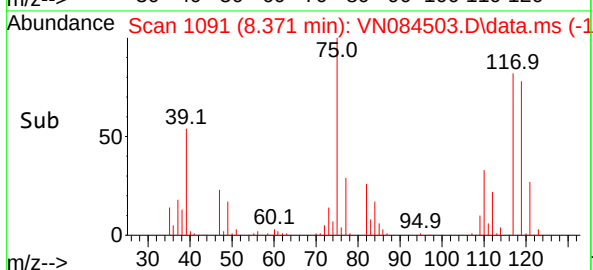
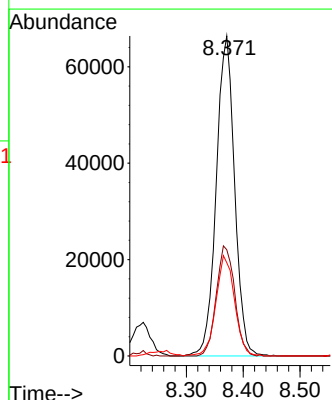
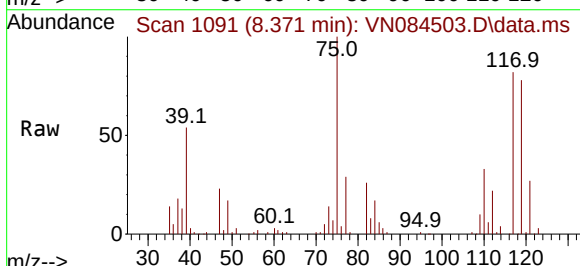
Tgt Ion: 75 Resp: 149163

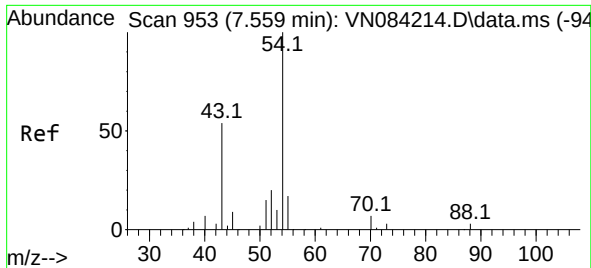
Ion Ratio Lower Upper

75 100

110 34.5 16.9 50.7

77 31.9 24.7 37.1

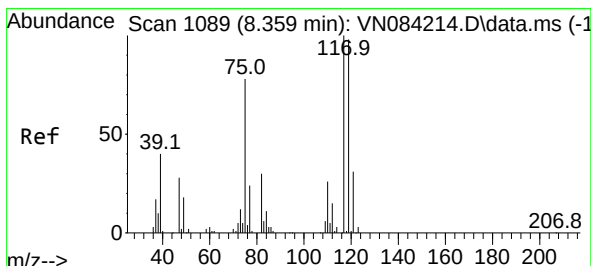
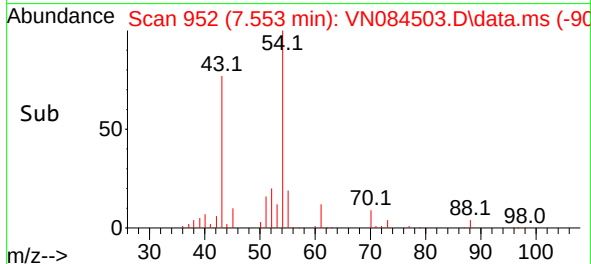
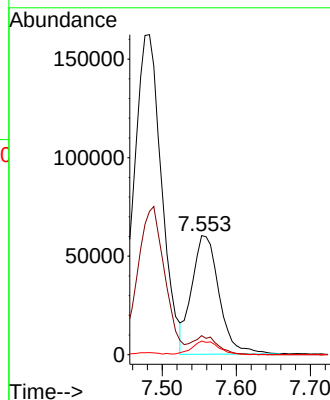
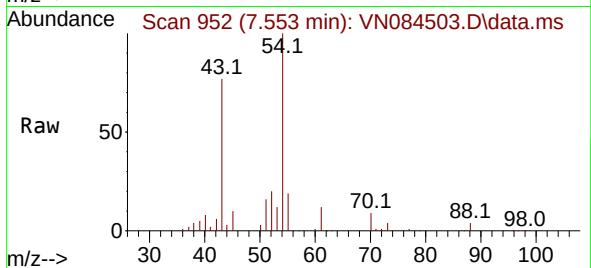




#37  
Ethyl Acetate  
Concen: 51.219 ug/l  
RT: 7.553 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

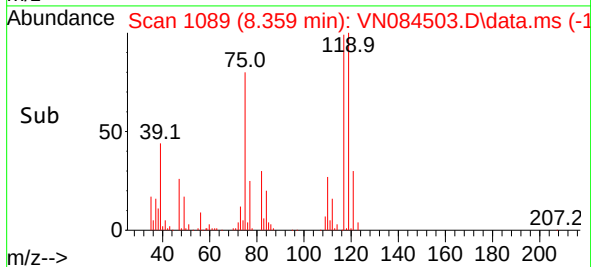
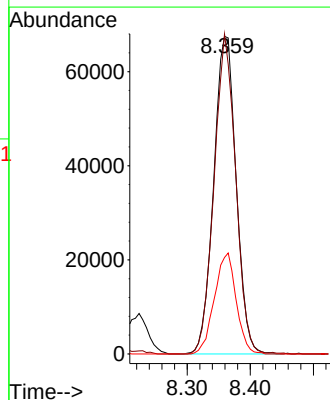
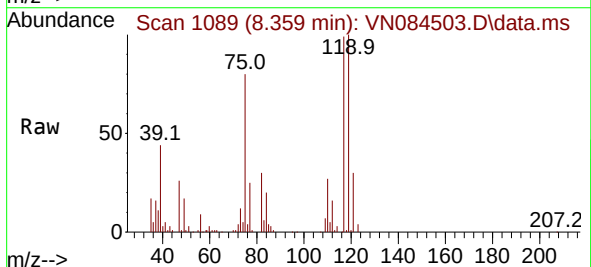
Instrument :  
MSVOA\_N  
ClientSampleId :

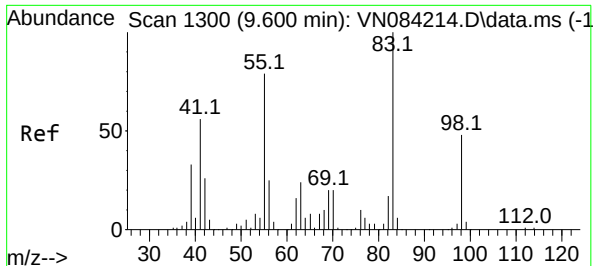
Tgt Ion: 43 Resp: 154236  
Ion Ratio Lower Upper  
43 100  
61 13.8 10.7 16.1  
70 11.1 8.8 13.2



#38  
Carbon Tetrachloride  
Concen: 51.799 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 117 Resp: 166783  
Ion Ratio Lower Upper  
117 100  
119 100.7 78.7 118.1  
121 30.4 24.4 36.6





#39

Methylcyclohexane

Concen: 50.207 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

ClientSampleId :

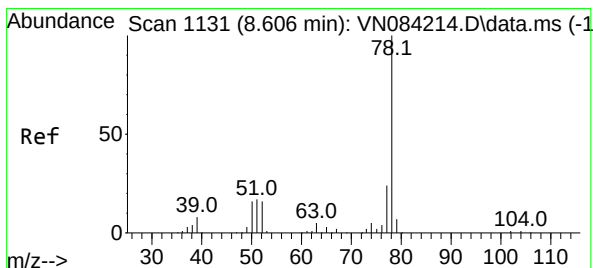
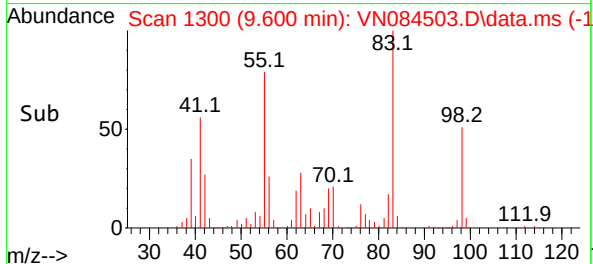
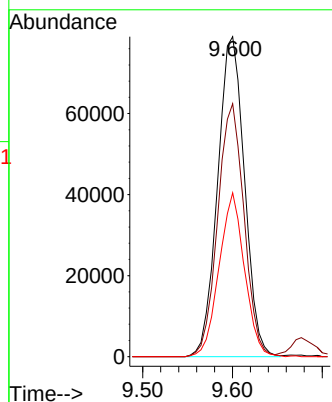
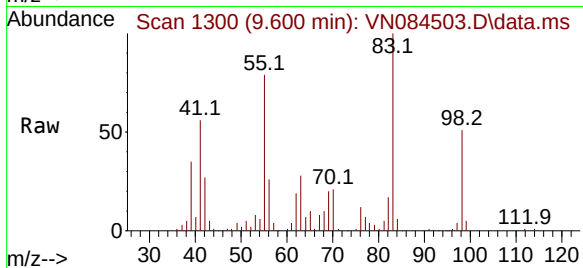
Tgt Ion: 83 Resp: 164018

Ion Ratio Lower Upper

83 100

55 79.0 62.8 94.2

98 51.2 38.8 58.2



#40

Benzene

Concen: 52.089 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN084503.D

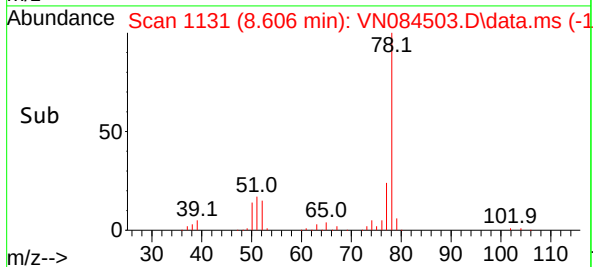
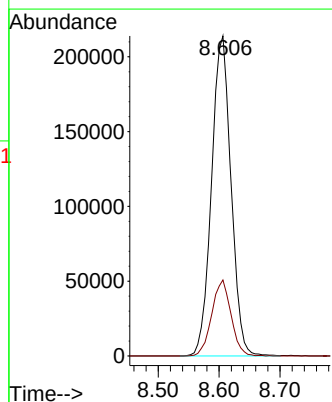
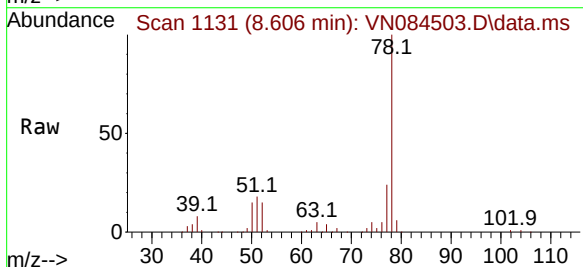
Acq: 25 Oct 2024 08:59

Tgt Ion: 78 Resp: 476364

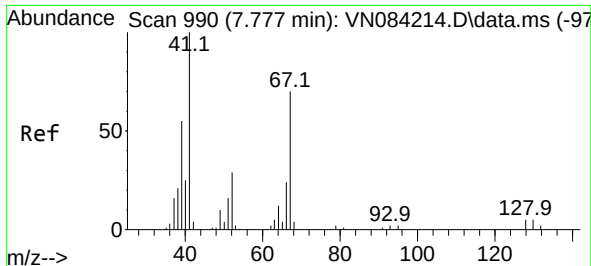
Ion Ratio Lower Upper

78 100

77 23.8 19.1 28.7

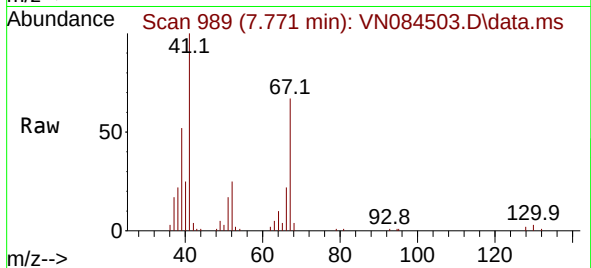




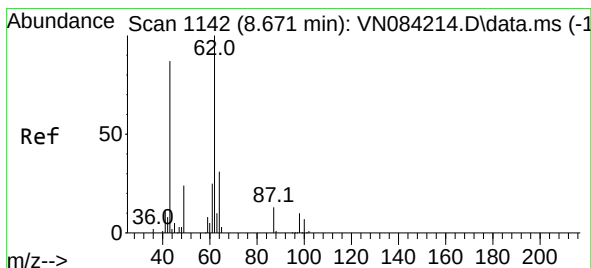
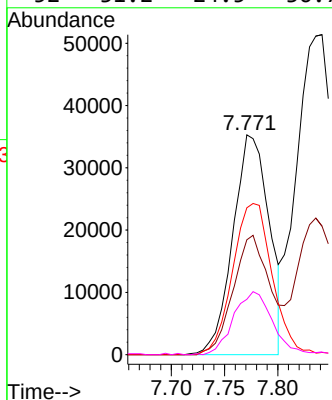
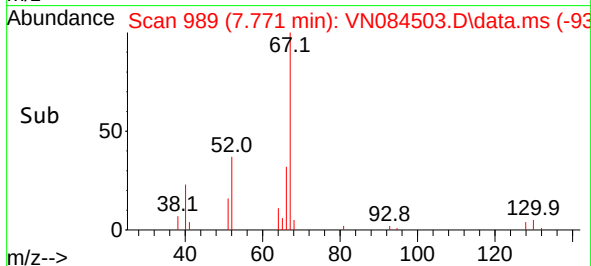


#41  
Methacrylonitrile  
Concen: 51.176 ug/l  
RT: 7.771 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Instrument :  
MSVOA\_N  
ClientSampleId :

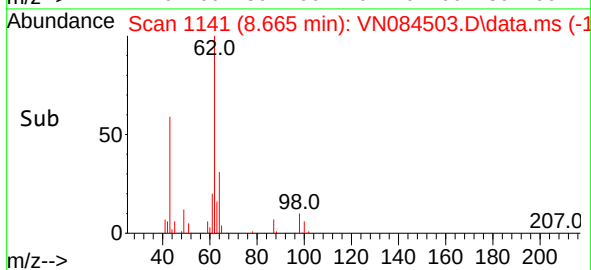
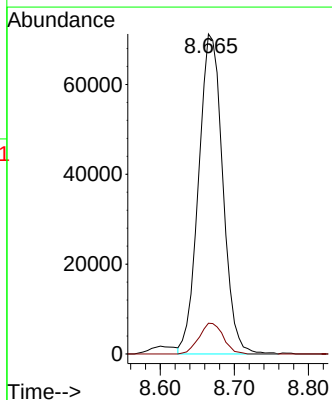
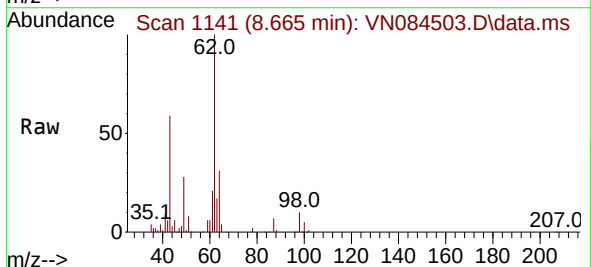


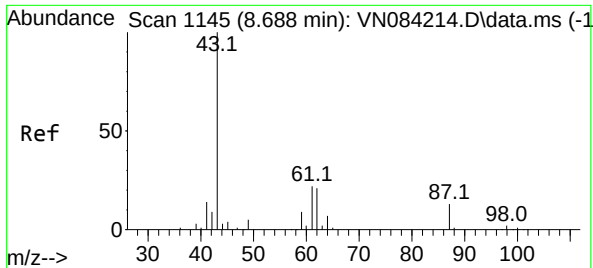
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 83663 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.7  | 43.3  | 64.9  |
| 67       | 75.1  | 56.1  | 84.1  |
| 52       | 31.2  | 24.5  | 36.7  |



#42  
1,2-Dichloroethane  
Concen: 52.064 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. -0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 161416 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.6   | 0.0   | 18.2   |

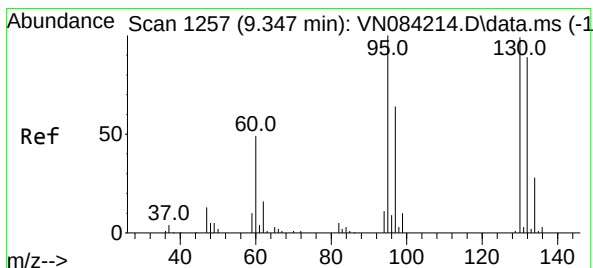
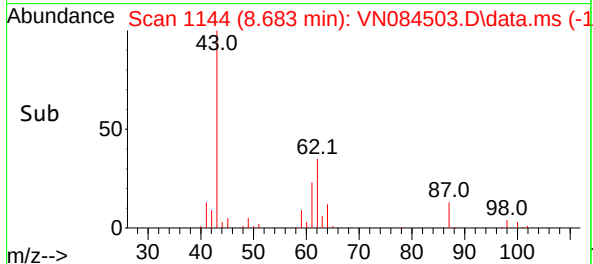
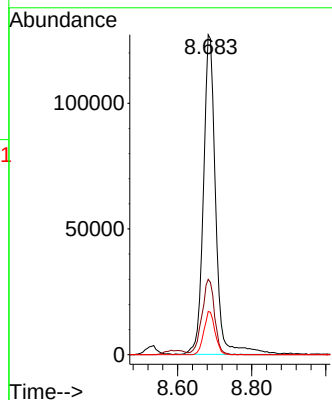
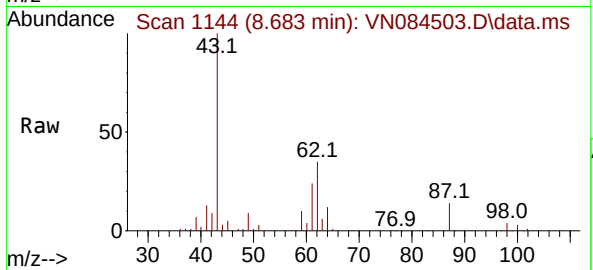




#43  
Isopropyl Acetate  
Concen: 49.368 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. -0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

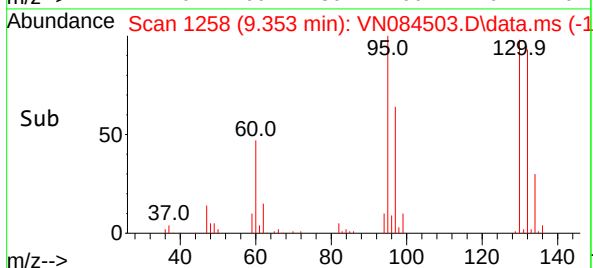
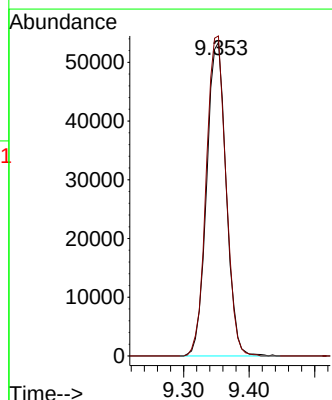
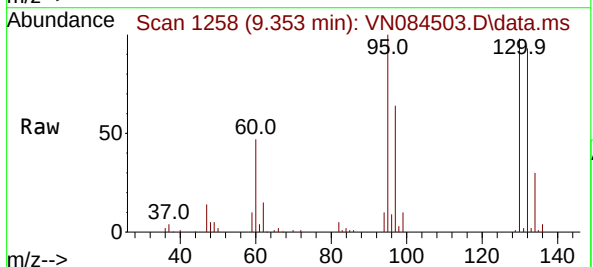
Instrument :  
MSVOA\_N  
ClientSampleId :

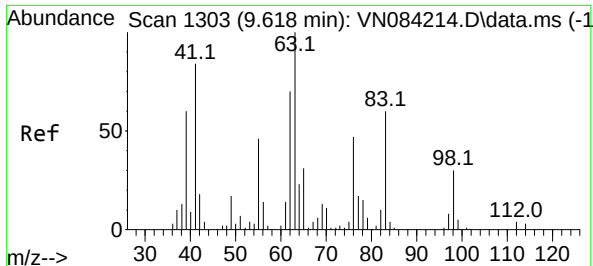
Tgt Ion: 43 Resp: 291182  
Ion Ratio Lower Upper  
43 100  
61 24.3 20.4 30.6  
87 12.3 10.3 15.5



#44  
Trichloroethene  
Concen: 51.762 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion:130 Resp: 110560  
Ion Ratio Lower Upper  
130 100  
95 102.1 0.0 203.0





#45

1,2-Dichloropropane

Concen: 54.048 ug/l

RT: 9.618 min Scan# 116927

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

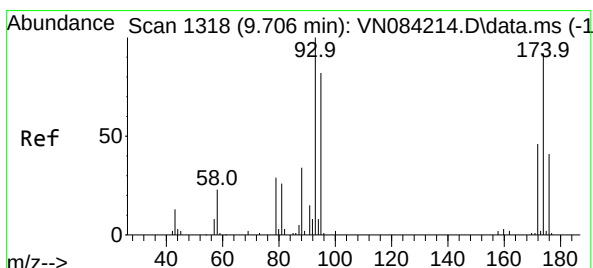
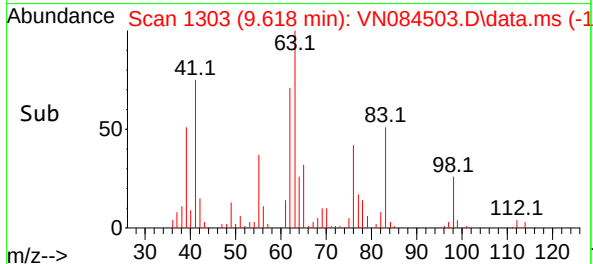
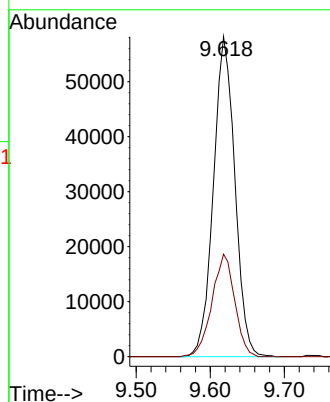
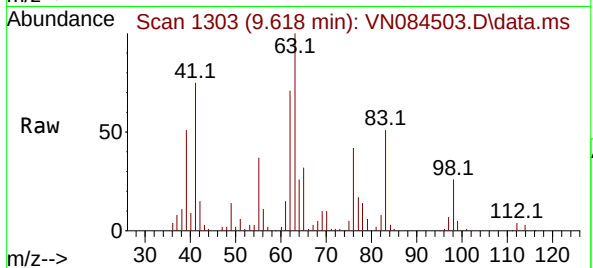
ClientSampleId :

Tgt Ion: 63 Resp: 116927

Ion Ratio Lower Upper

63 100

65 32.1 24.6 37.0



#46

Dibromomethane

Concen: 55.969 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

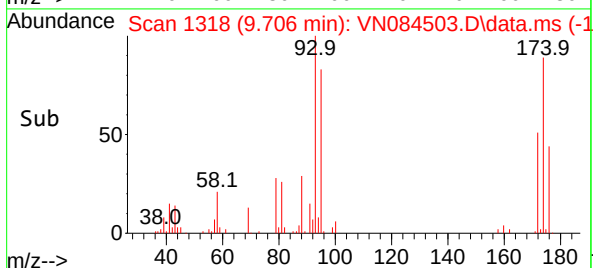
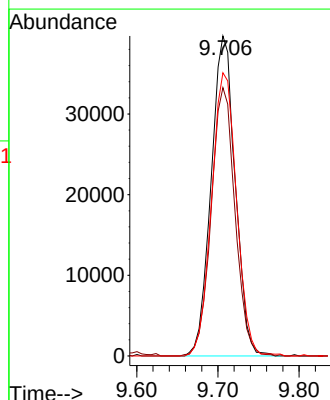
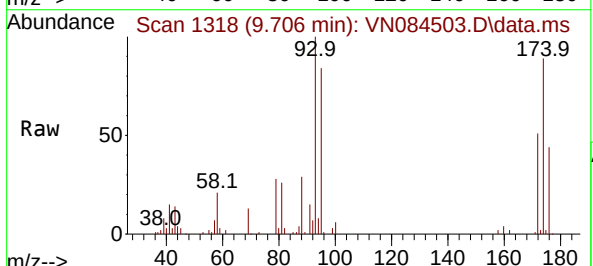
Tgt Ion: 93 Resp: 81712

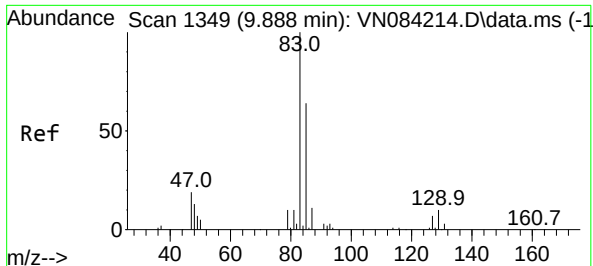
Ion Ratio Lower Upper

93 100

95 83.1 65.0 97.4

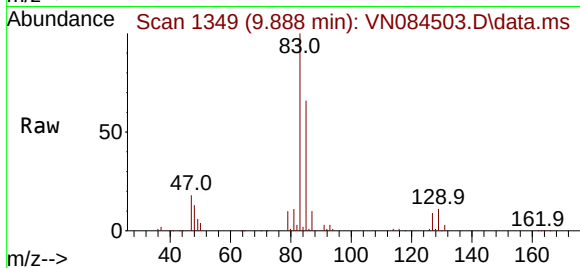
174 92.0 71.8 107.8



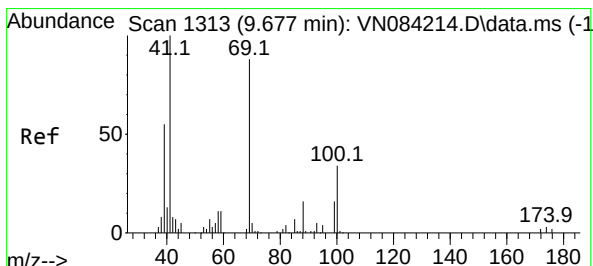
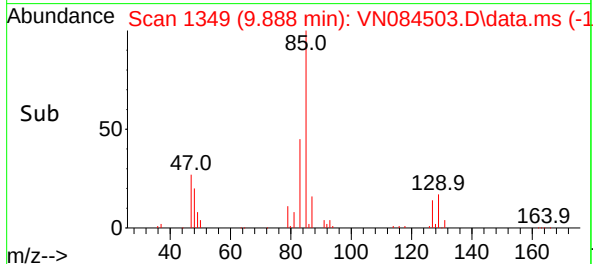
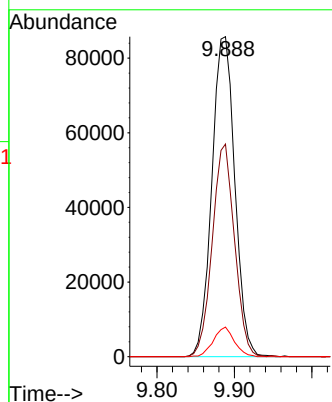


#47  
Bromodichloromethane  
Concen: 54.395 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Instrument :  
MSVOA\_N  
ClientSampleId :

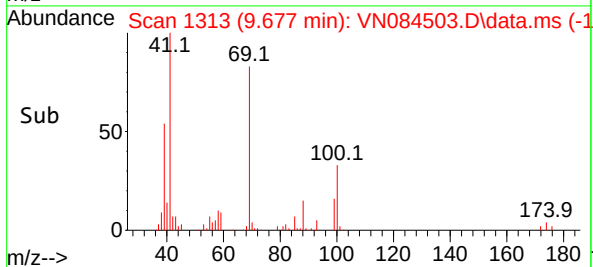
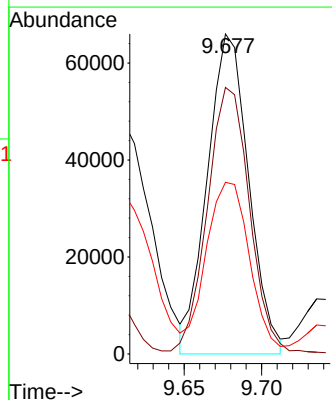
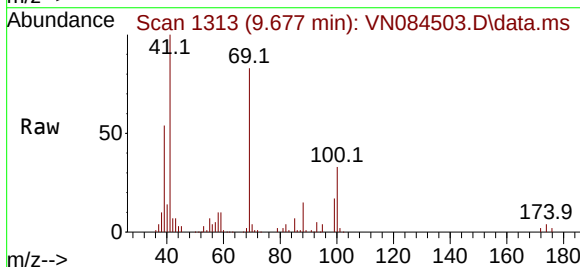


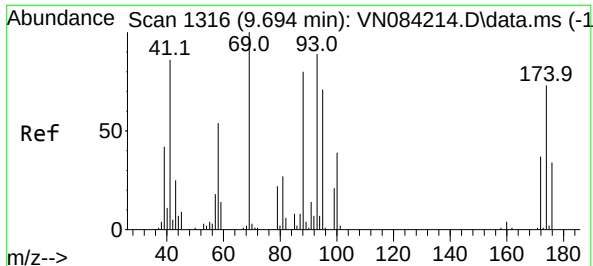
Tgt Ion: 83 Resp: 176433  
Ion Ratio Lower Upper  
83 100  
85 66.4 51.5 77.3  
127 9.3 5.7 8.5#



#48  
Methyl methacrylate  
Concen: 52.136 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 41 Resp: 122412  
Ion Ratio Lower Upper  
41 100  
69 86.0 67.1 100.7  
39 56.9 45.8 68.6





#49

1,4-Dioxane

Concen: 977.637 ug/l

RT: 9.694 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

ClientSampleId :

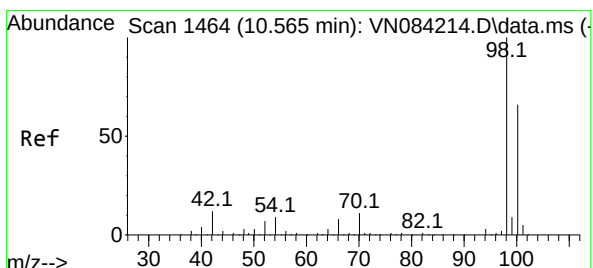
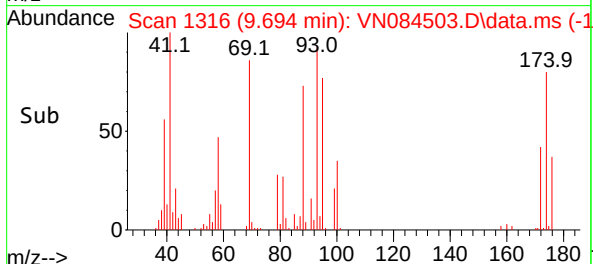
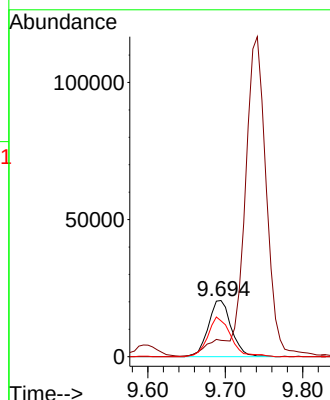
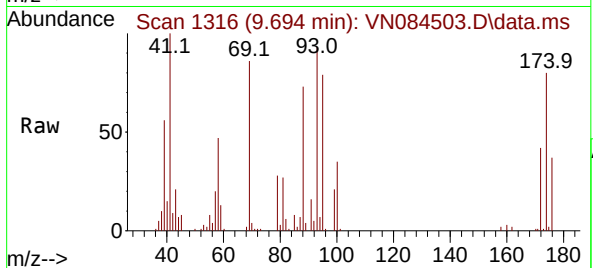
Tgt Ion: 88 Resp: 42259

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

58 70.4 56.4 84.6



#50

Toluene-d8

Concen: 52.888 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084503.D

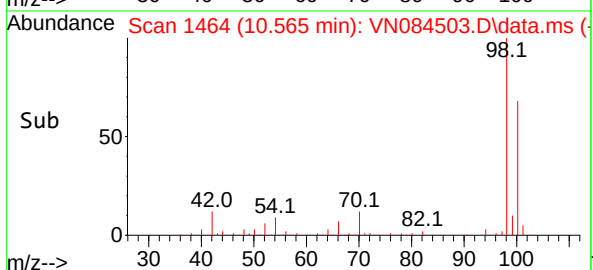
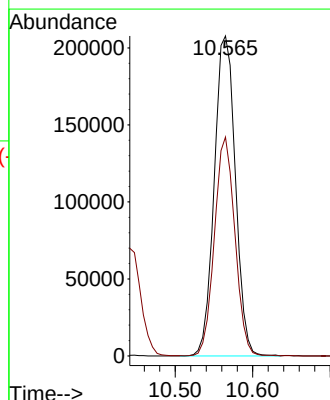
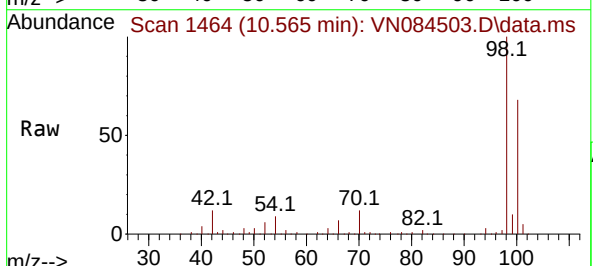
Acq: 25 Oct 2024 08:59

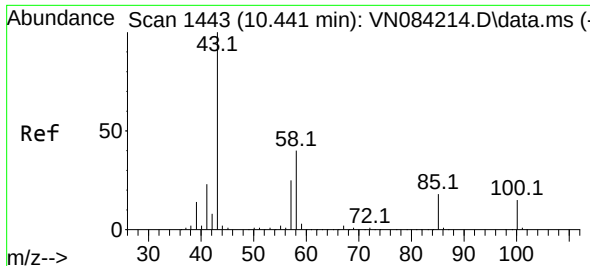
Tgt Ion: 98 Resp: 393204

Ion Ratio Lower Upper

98 100

100 66.4 52.7 79.1

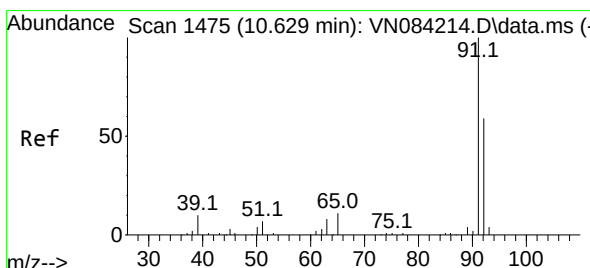
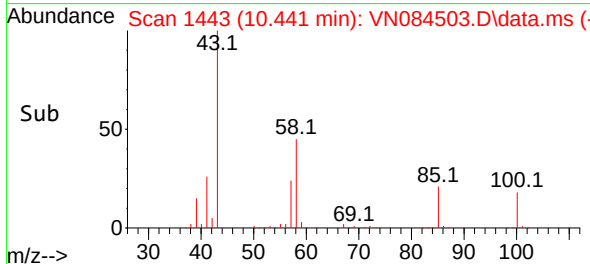
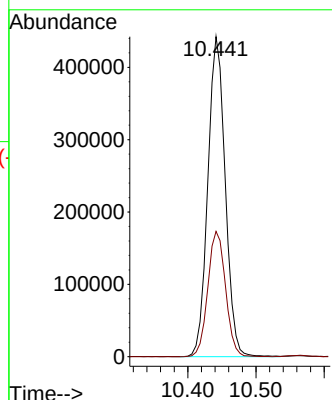
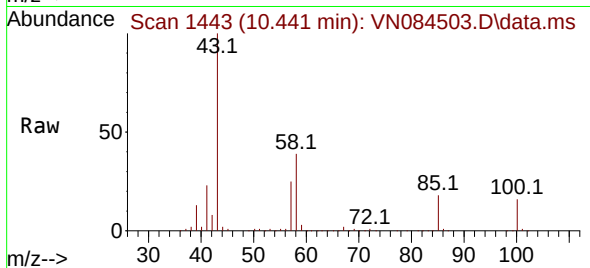




#51  
4-Methyl-2-Pentanone  
Concen: 274.285 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

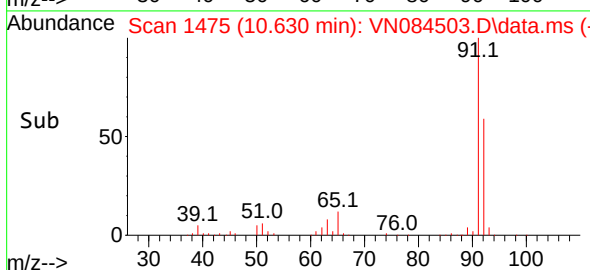
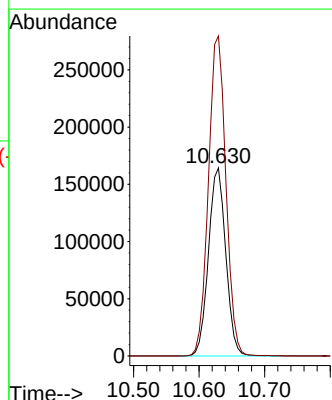
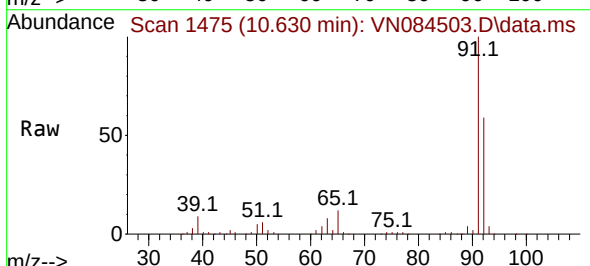
Instrument :  
MSVOA\_N  
ClientSampleId :

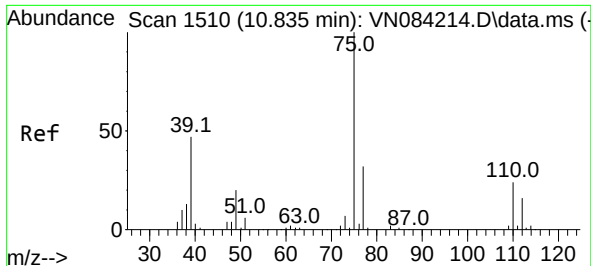
Tgt Ion: 43 Resp: 786274  
Ion Ratio Lower Upper  
43 100  
58 39.9 31.6 47.4



#52  
Toluene  
Concen: 54.054 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 92 Resp: 301445  
Ion Ratio Lower Upper  
92 100  
91 172.1 137.3 205.9

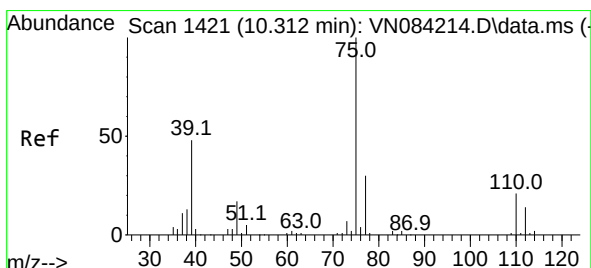
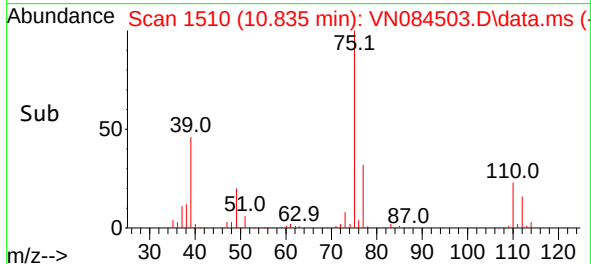
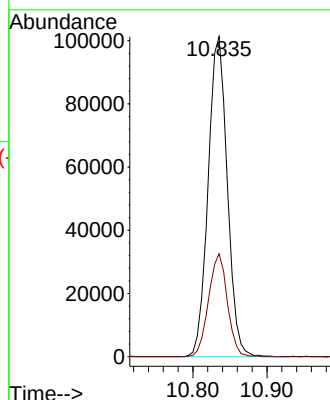
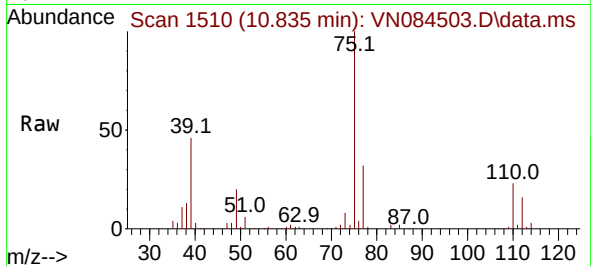




#53  
t-1,3-Dichloropropene  
Concen: 54.888 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

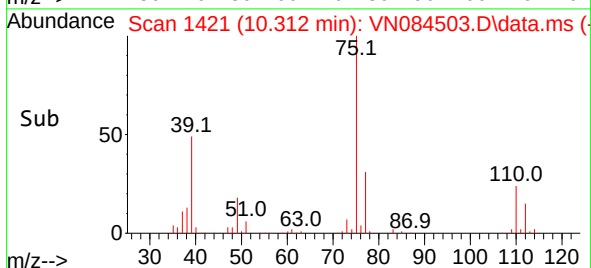
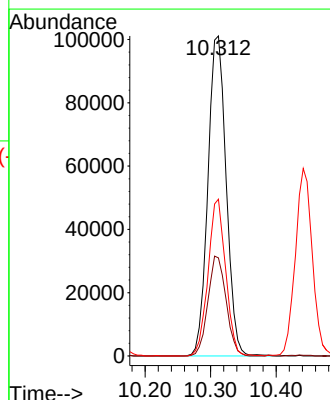
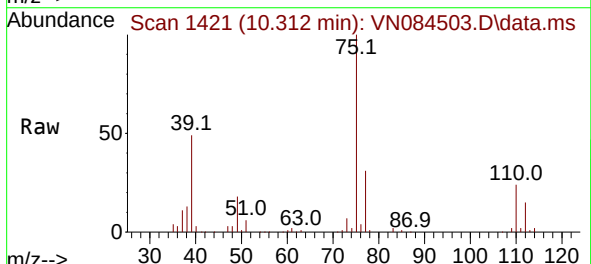
Instrument :  
MSVOA\_N  
ClientSampleId :

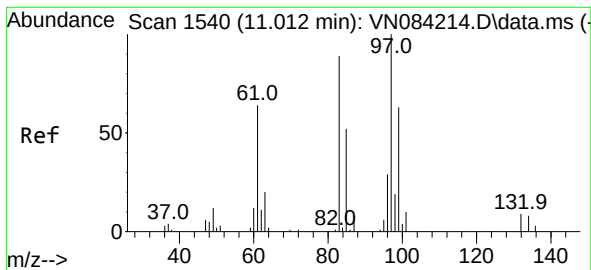
Tgt Ion: 75 Resp: 181476  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.4 38.0



#54  
cis-1,3-Dichloropropene  
Concen: 55.080 ug/l  
RT: 10.312 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

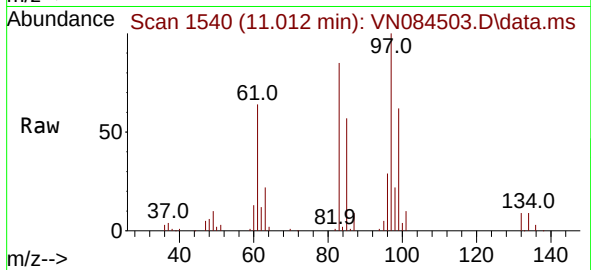
Tgt Ion: 75 Resp: 195885  
Ion Ratio Lower Upper  
75 100  
77 30.7 24.2 36.2  
39 49.0 38.7 58.1





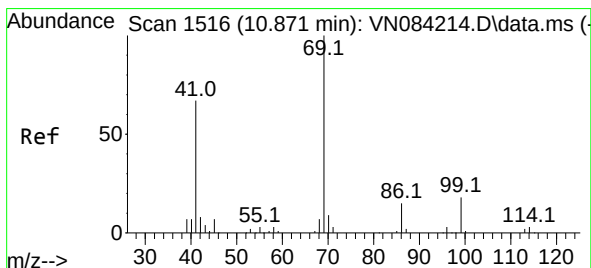
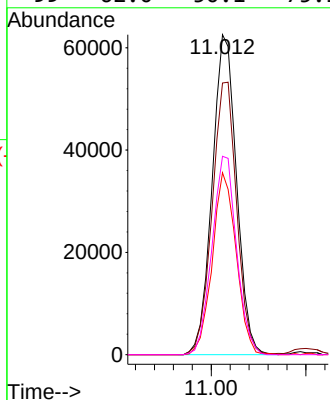
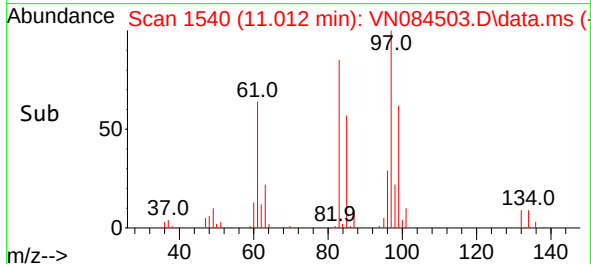
#55  
1,1,2-Trichloroethane  
Concen: 55.801 ug/l  
RT: 11.012 min Scan# 111558  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Instrument :  
MSVOA\_N  
ClientSampleId :

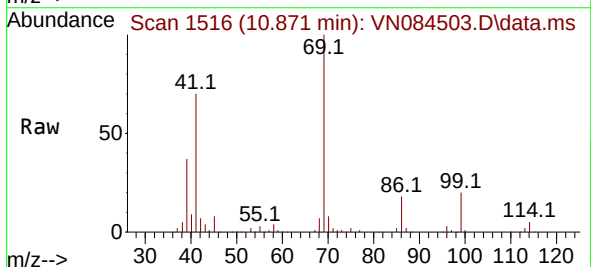


Tgt Ion: 97 Resp: 111558

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 84.9  | 71.0  | 106.4 |
| 85  | 56.9  | 41.7  | 62.5  |
| 99  | 62.0  | 50.1  | 75.1  |

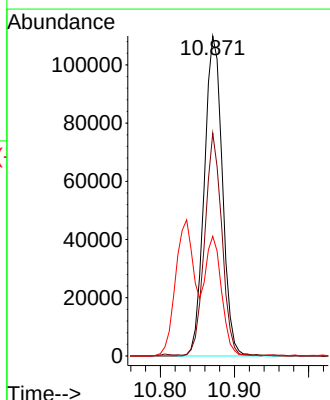
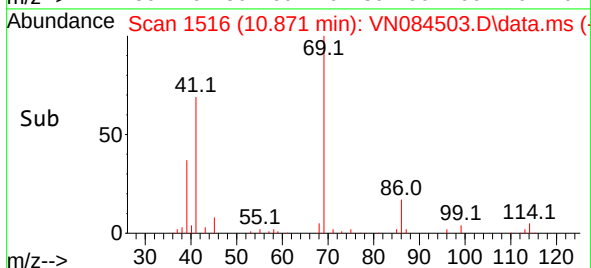


#56  
Ethyl methacrylate  
Concen: 56.529 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

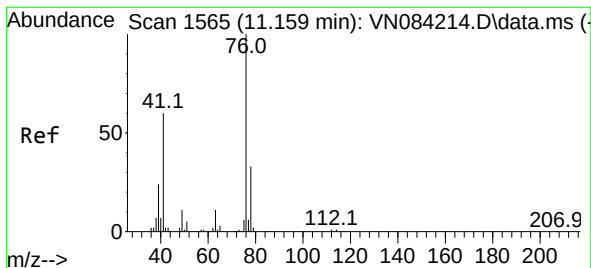


Tgt Ion: 69 Resp: 185958

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 65.2  | 53.3  | 79.9  |
| 39  | 34.2  | 28.8  | 43.2  |

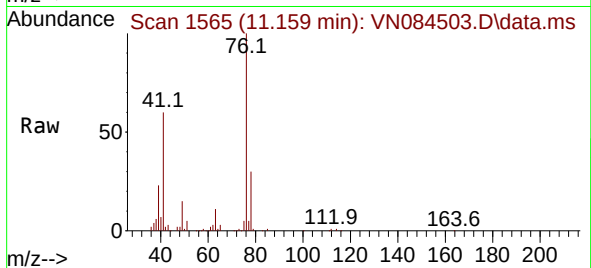




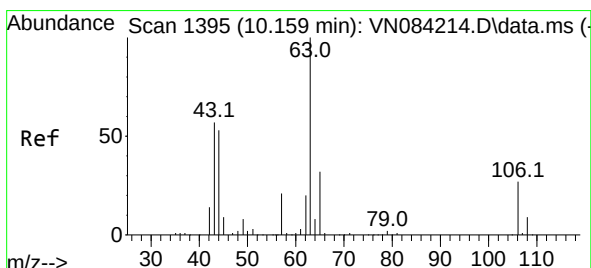
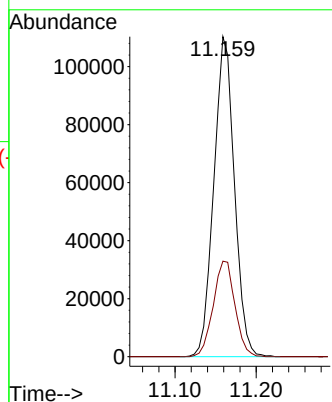
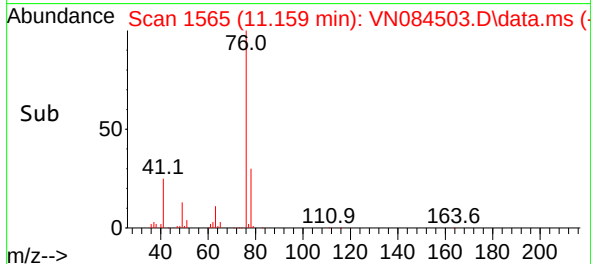


#57  
1,3-Dichloropropane  
Concen: 54.423 ug/l  
RT: 11.159 min Scan# 1565  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Instrument :  
MSVOA\_N  
ClientSampleId :

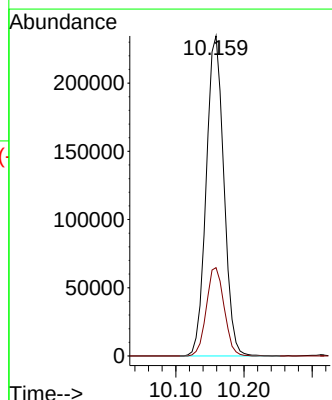
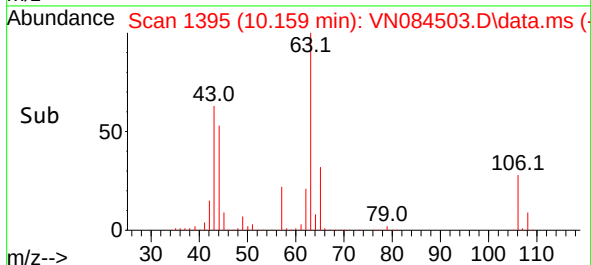
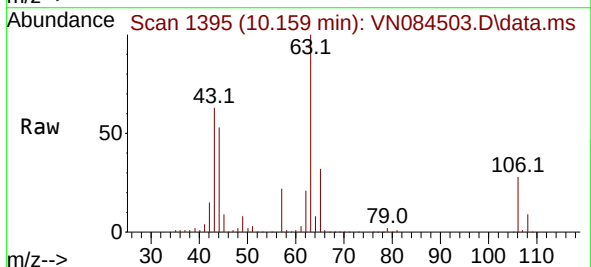


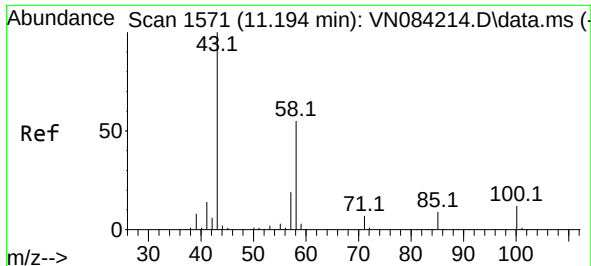
Tgt Ion: 76 Resp: 194415  
Ion Ratio Lower Upper  
76 100  
78 31.5 25.8 38.6



#58  
2-Chloroethyl Vinyl ether  
Concen: 276.155 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 63 Resp: 421419  
Ion Ratio Lower Upper  
63 100  
106 27.8 21.8 32.6

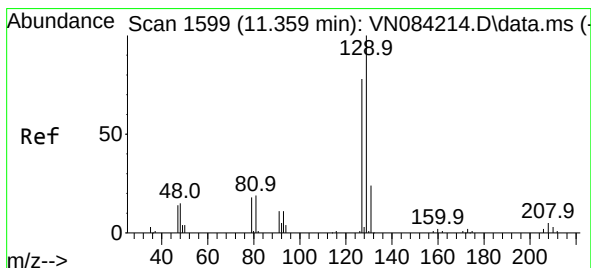
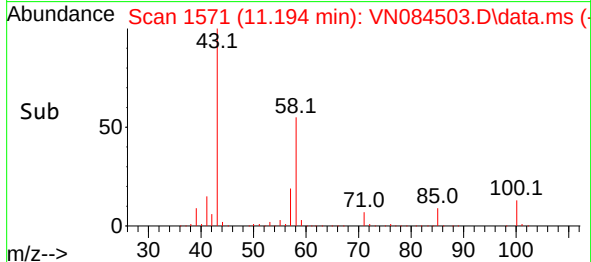
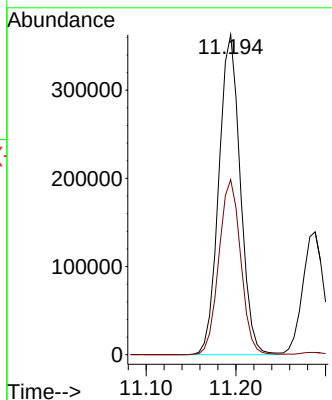
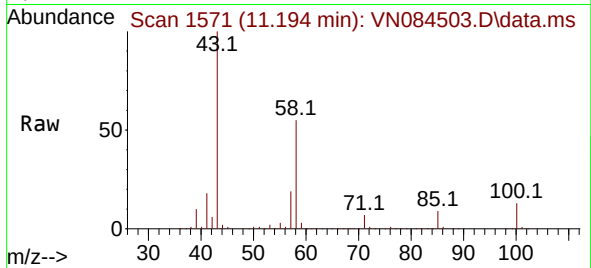




#59  
2-Hexanone  
Concen: 281.584 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

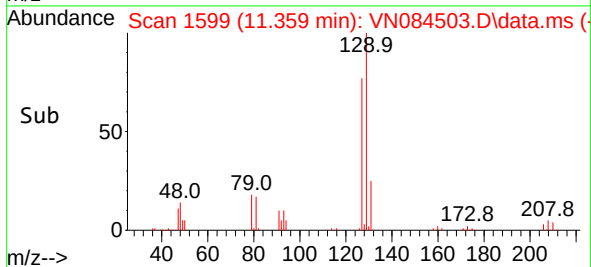
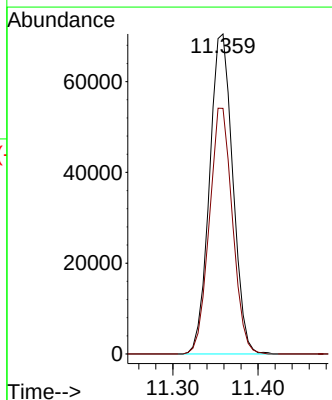
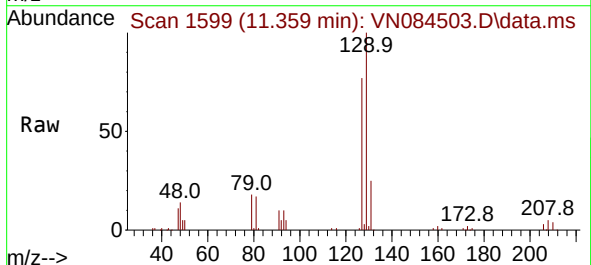
Instrument :  
MSVOA\_N  
ClientSampleId :

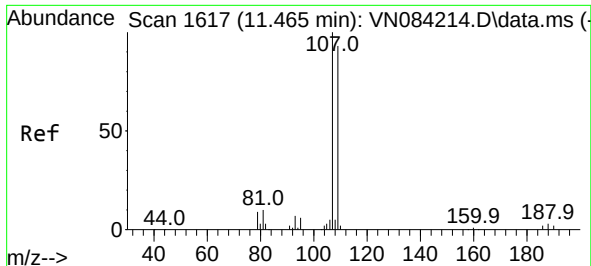
Tgt Ion: 43 Resp: 603310  
Ion Ratio Lower Upper  
43 100  
58 55.5 27.3 81.8



#60  
Dibromochloromethane  
Concen: 56.669 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 129 Resp: 133861  
Ion Ratio Lower Upper  
129 100  
127 76.1 38.3 114.9

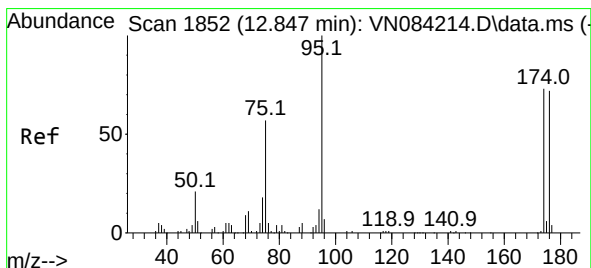
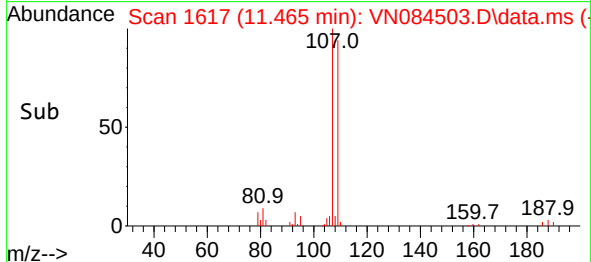
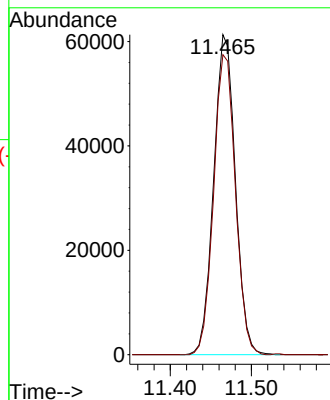
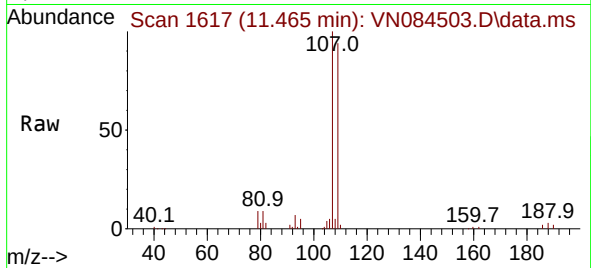




#61  
1,2-Dibromoethane  
Concen: 54.729 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

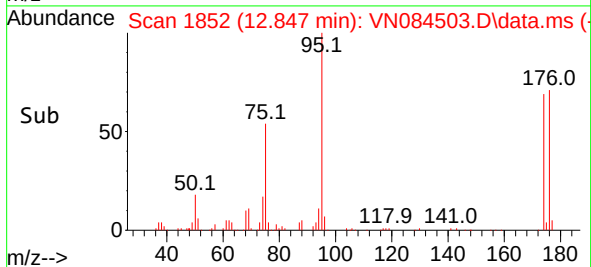
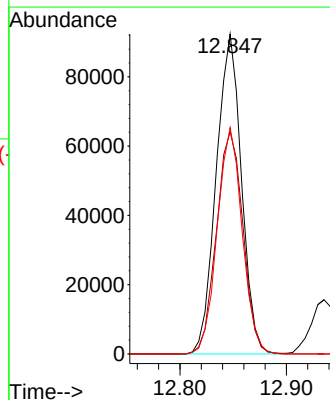
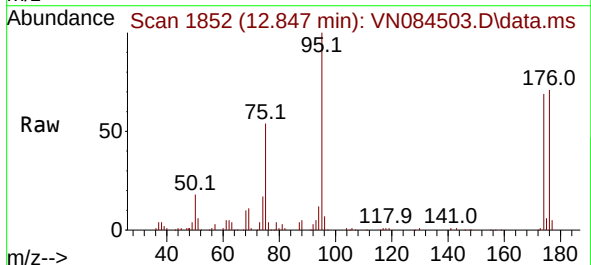
Instrument :  
MSVOA\_N  
ClientSampleId :

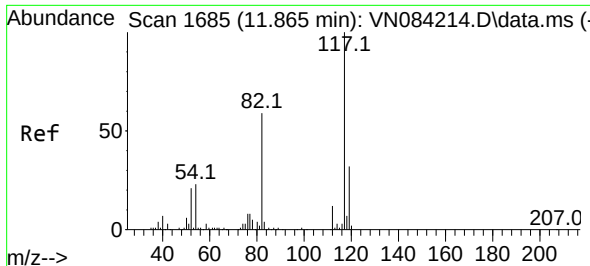
Tgt Ion:107 Resp: 113691  
Ion Ratio Lower Upper  
107 100  
109 94.1 75.4 113.0



#62  
4-Bromofluorobenzene  
Concen: 56.092 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

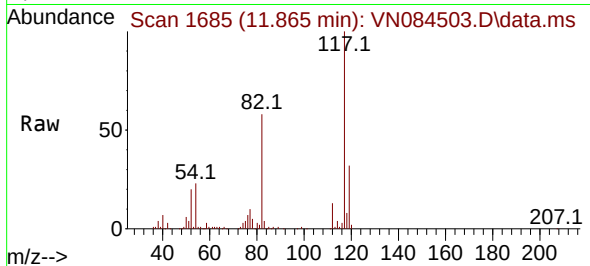
Tgt Ion: 95 Resp: 151926  
Ion Ratio Lower Upper  
95 100  
174 73.0 0.0 145.2  
176 70.0 0.0 140.0



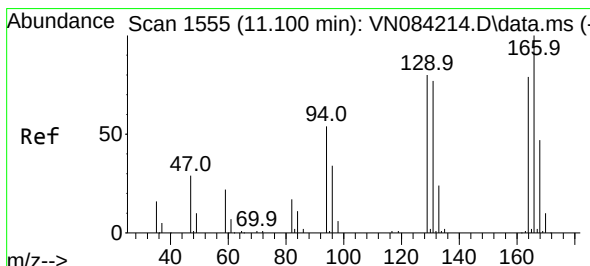
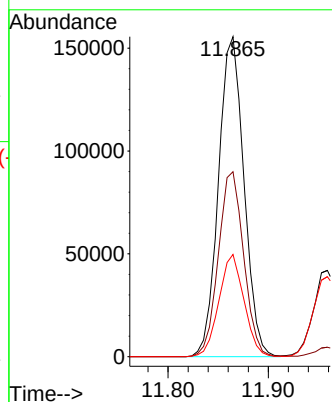
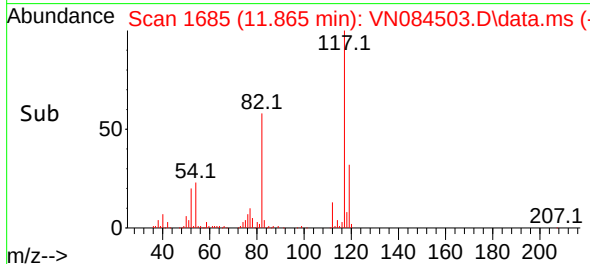


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

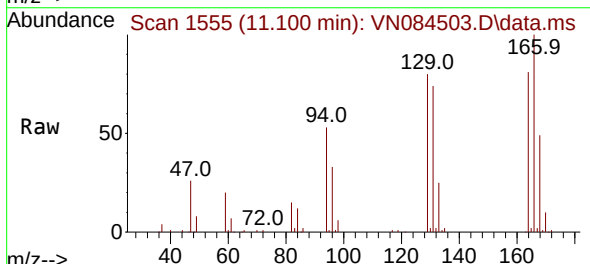
Instrument :  
MSVOA\_N  
ClientSampleId :



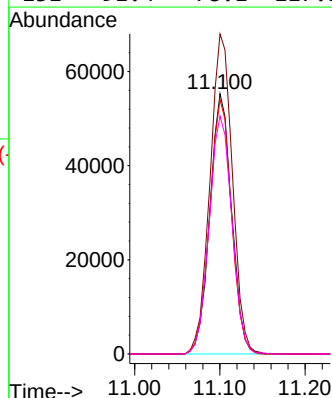
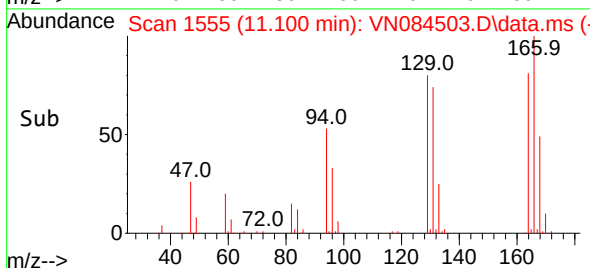
Tgt Ion:117 Resp: 274612  
Ion Ratio Lower Upper  
117 100  
82 57.8 47.2 70.8  
119 31.9 25.4 38.0

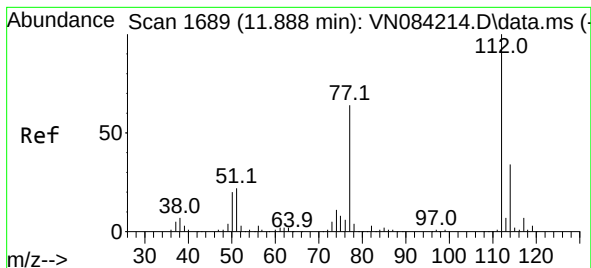


#64  
Tetrachloroethene  
Concen: 51.180 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59



Tgt Ion:164 Resp: 97893  
Ion Ratio Lower Upper  
164 100  
166 123.0 101.0 151.4  
129 97.8 80.8 121.2  
131 91.4 78.1 117.1





#65

Chlorobenzene

Concen: 53.042 ug/l

RT: 11.888 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

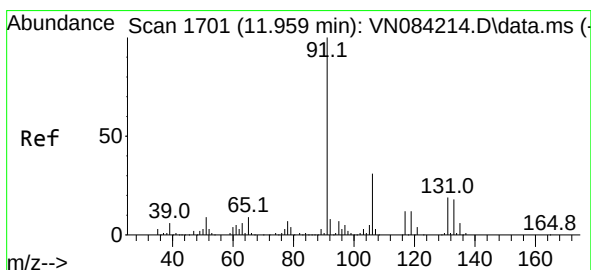
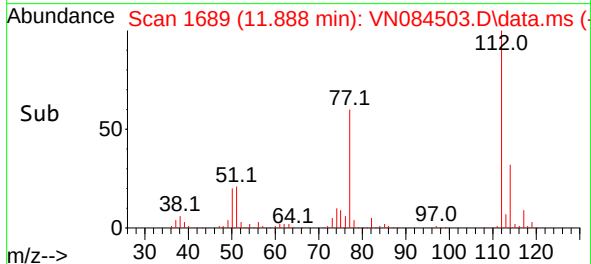
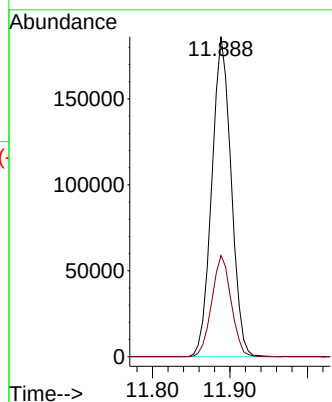
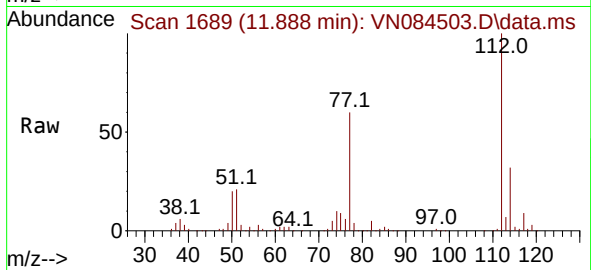
ClientSampleId :

Tgt Ion:112 Resp: 322959

Ion Ratio Lower Upper

112 100

114 31.6 27.0 40.6



#66

1,1,1,2-Tetrachloroethane

Concen: 53.856 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

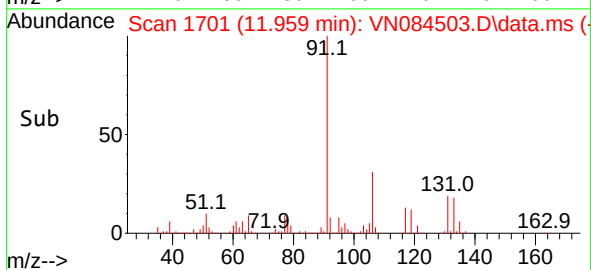
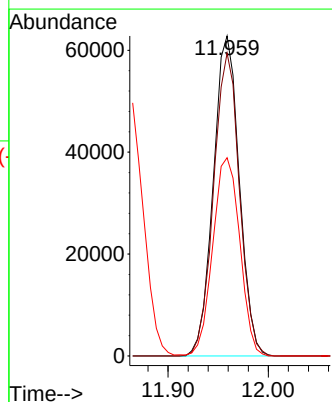
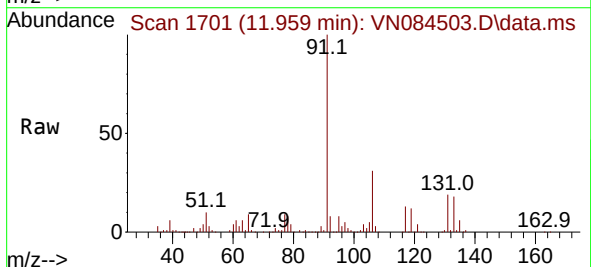
Tgt Ion:131 Resp: 112949

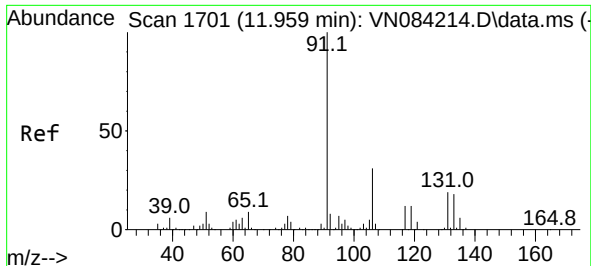
Ion Ratio Lower Upper

131 100

133 94.3 47.9 143.7

119 64.4 32.8 98.3





#67

Ethyl Benzene

Concen: 53.480 ug/l

RT: 11.965 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

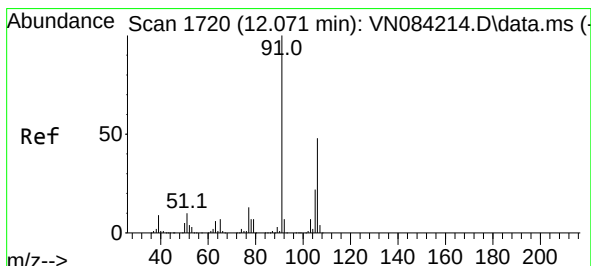
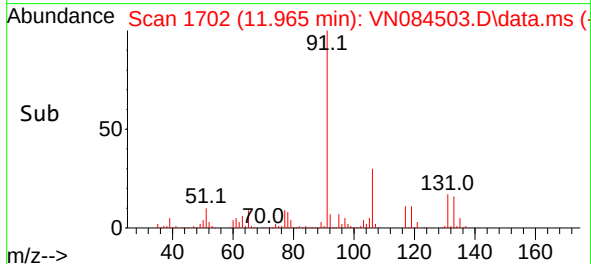
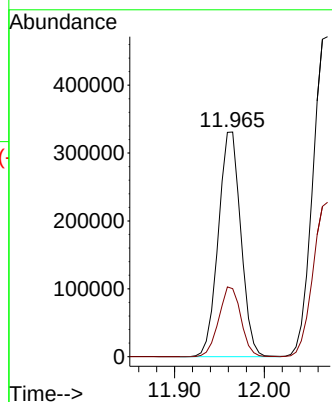
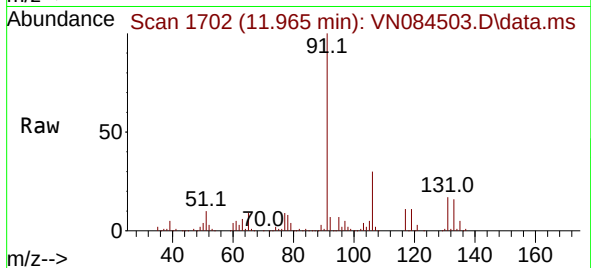
ClientSampleId :

Tgt Ion: 91 Resp: 575865

Ion Ratio Lower Upper

91 100

106 30.3 24.5 36.7



#68

m/p-Xylenes

Concen: 111.160 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN084503.D

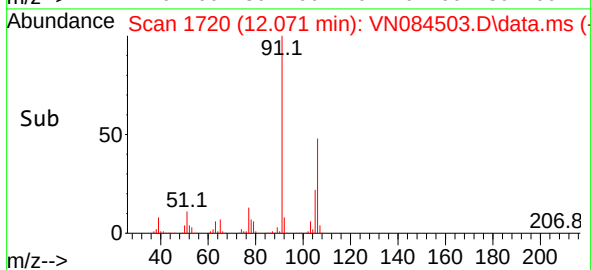
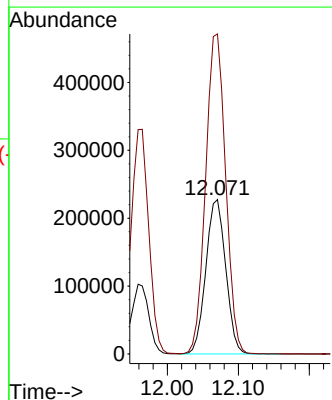
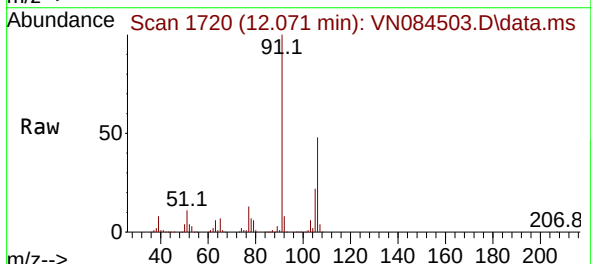
Acq: 25 Oct 2024 08:59

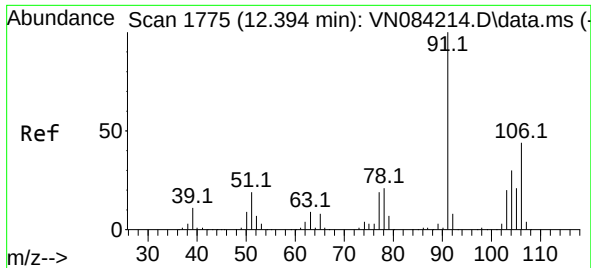
Tgt Ion:106 Resp: 442765

Ion Ratio Lower Upper

106 100

91 208.4 167.1 250.7

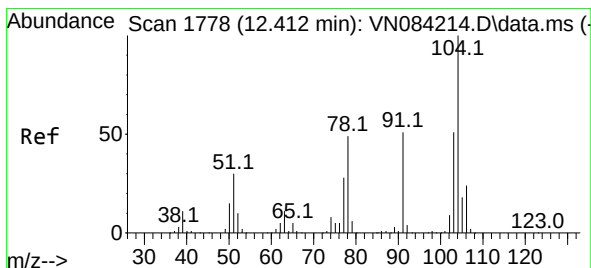
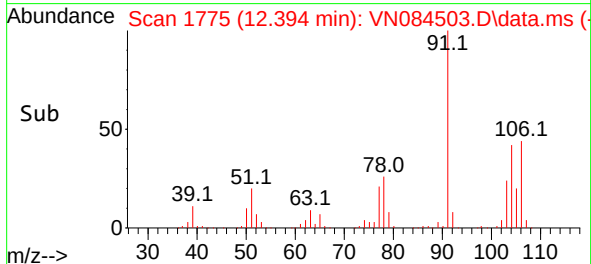
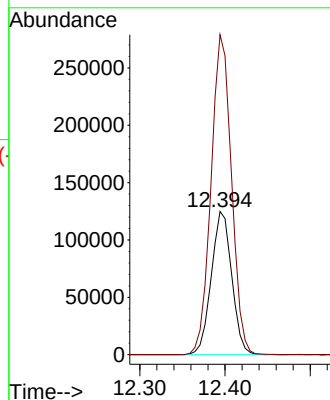
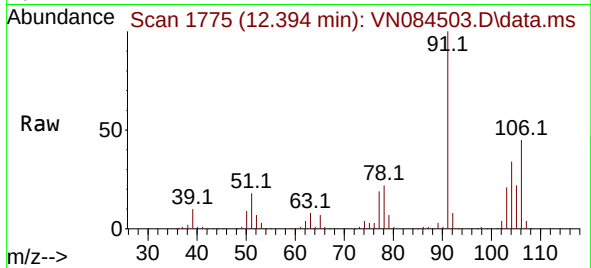




#69  
o-Xylene  
Concen: 55.158 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

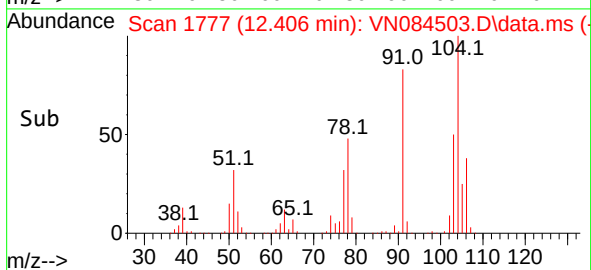
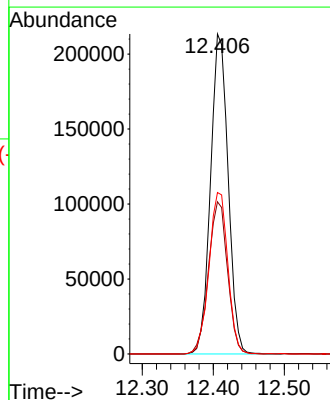
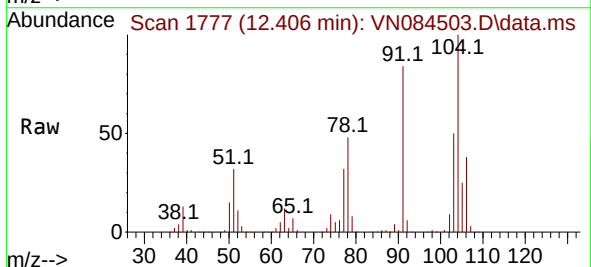
Instrument :  
MSVOA\_N  
ClientSampleId :

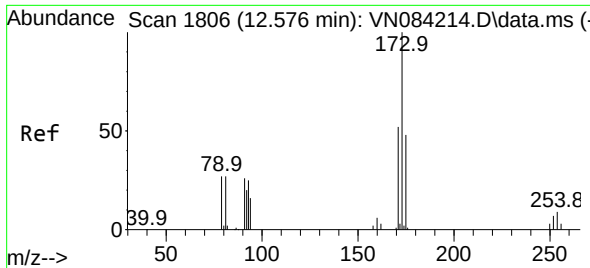
Tgt Ion:106 Resp: 207862  
Ion Ratio Lower Upper  
106 100  
91 223.6 110.2 330.6



#70  
Styrene  
Concen: 57.594 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

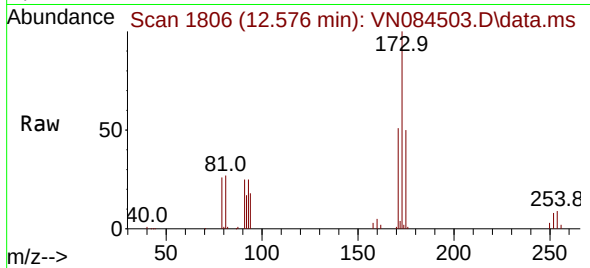
Tgt Ion:104 Resp: 367629  
Ion Ratio Lower Upper  
104 100  
78 51.4 42.7 64.1  
103 54.0 43.6 65.4



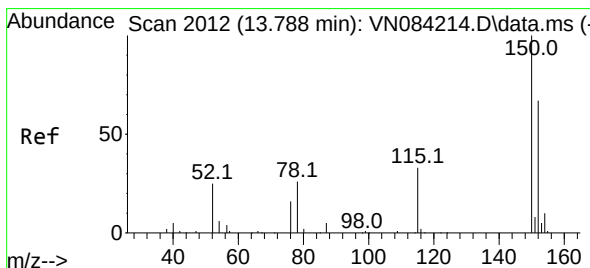
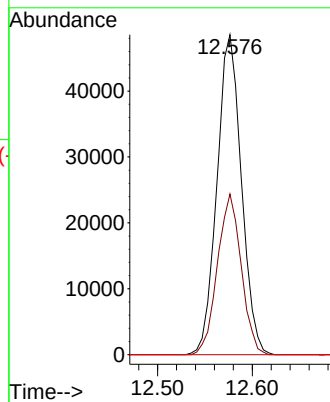
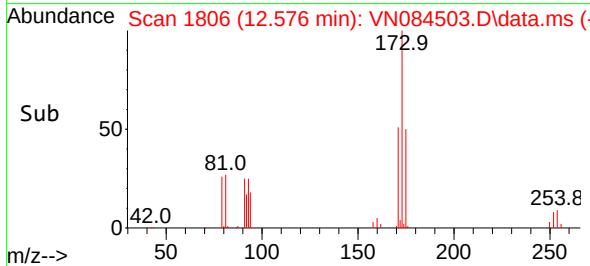


#71  
Bromoform  
Concen: 56.348 ug/l  
RT: 12.576 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Instrument :  
MSVOA\_N  
ClientSampleId :

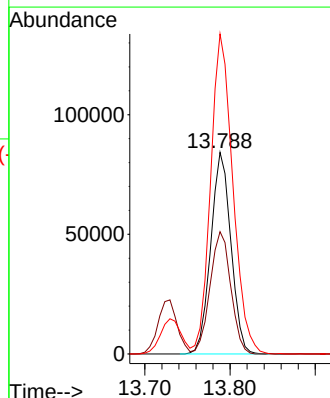
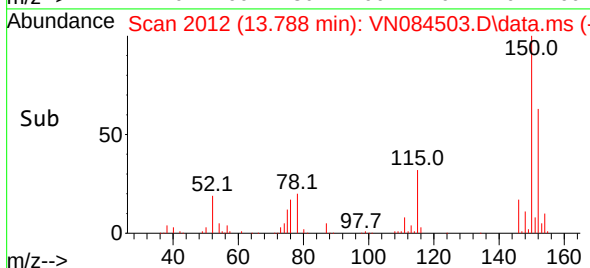
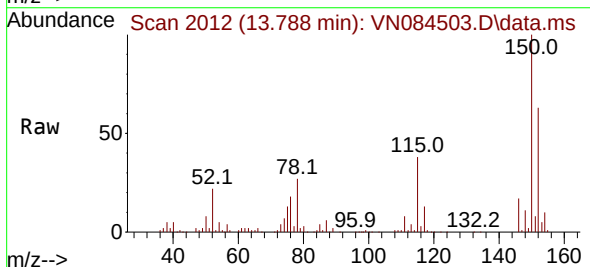


Tgt Ion:173 Resp: 87003  
Ion Ratio Lower Upper  
173 100  
175 48.9 23.5 70.6  
254 0.0 0.0 0.0

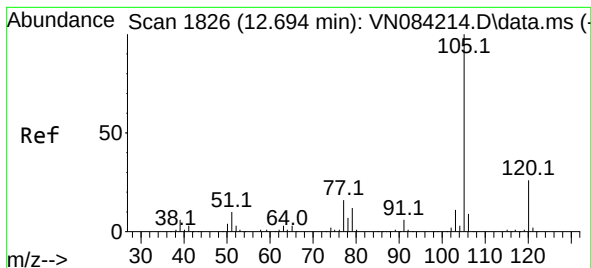


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion:152 Resp: 138591  
Ion Ratio Lower Upper  
152 100  
115 62.4 31.3 93.9  
150 174.9 0.0 349.8







#73

Isopropylbenzene

Concen: 51.385 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

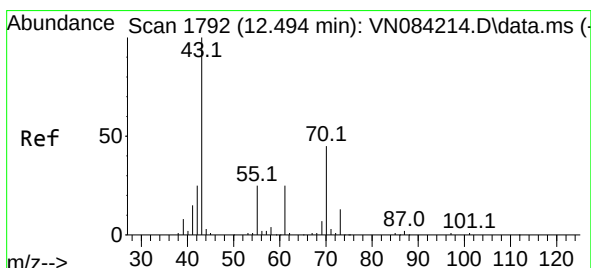
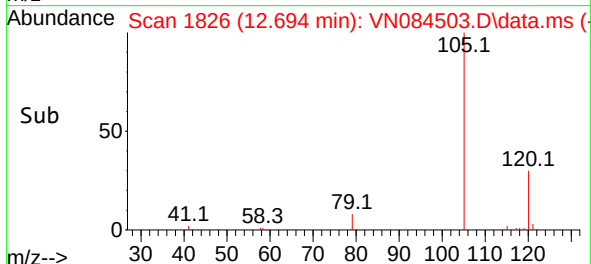
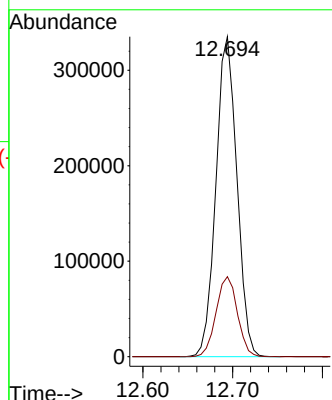
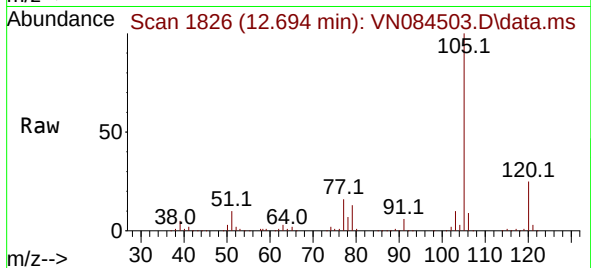
ClientSampleId :

Tgt Ion:105 Resp: 543431

Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7



#74

N-ethyl acetate

Concen: 49.533 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 237218

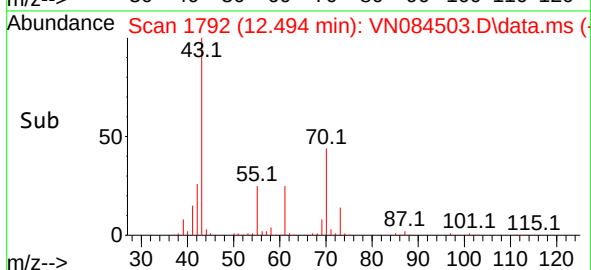
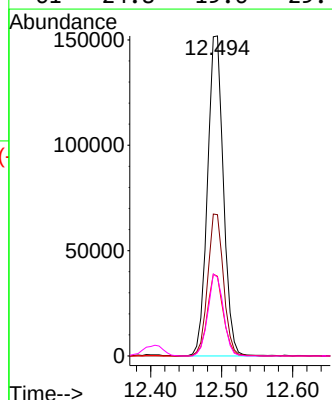
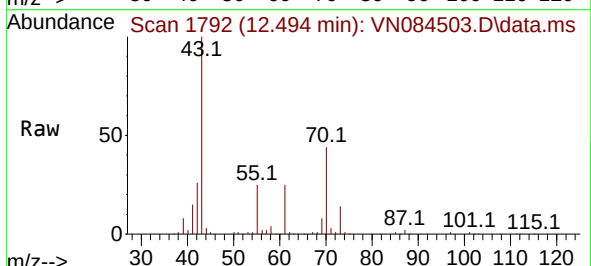
Ion Ratio Lower Upper

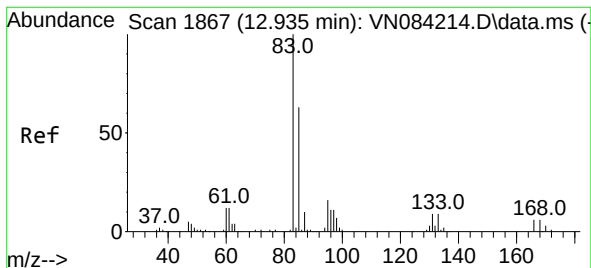
43 100

70 43.8 34.4 51.6

55 25.5 19.6 29.4

61 24.8 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.359 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

ClientSampleId :

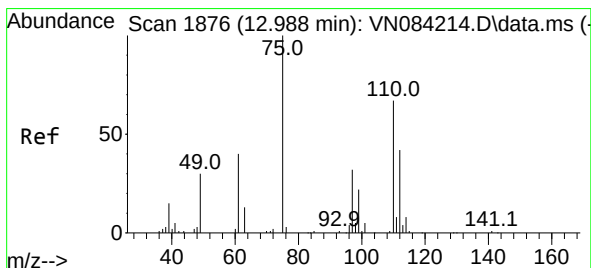
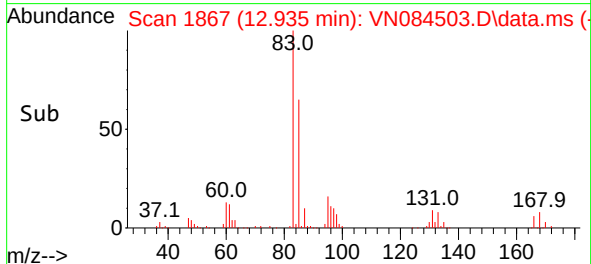
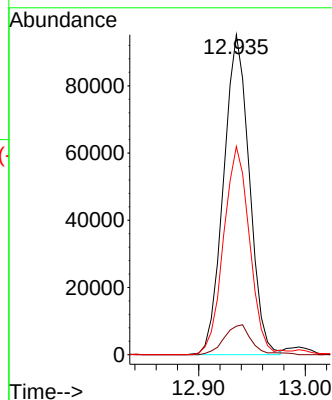
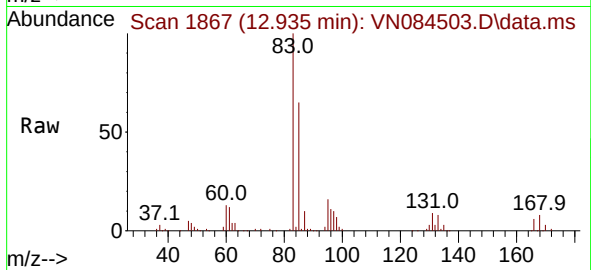
Tgt Ion: 83 Resp: 160145

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

85 65.8 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 75.829 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN084503.D

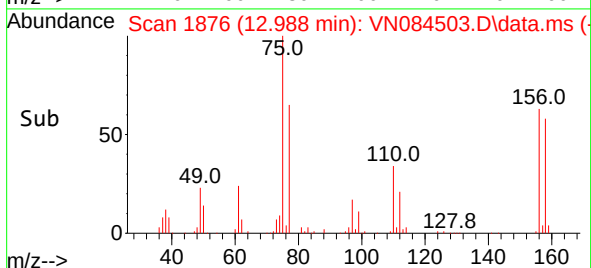
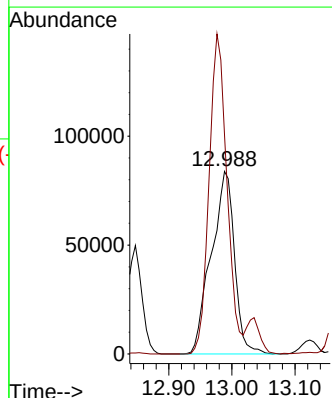
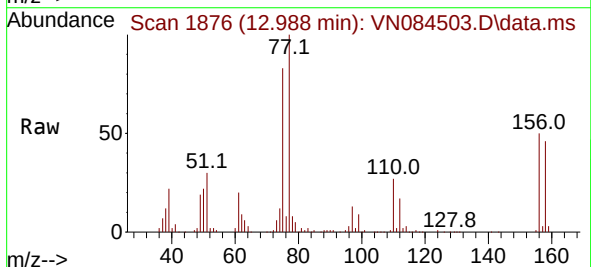
Acq: 25 Oct 2024 08:59

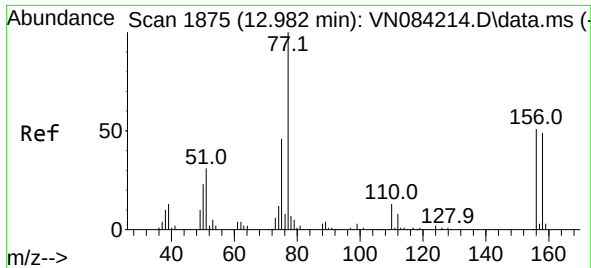
Tgt Ion: 75 Resp: 214548

Ion Ratio Lower Upper

75 100

77 134.7 96.9 290.7

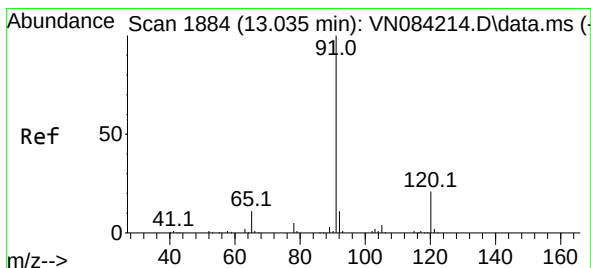
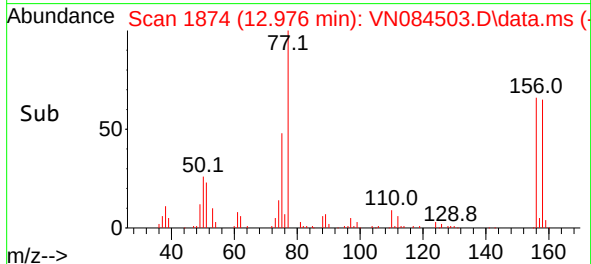
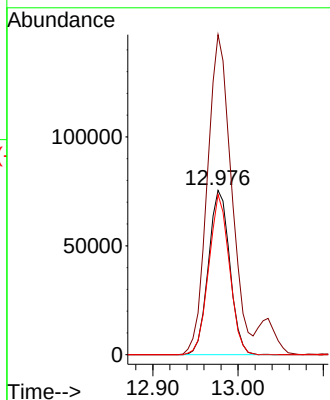
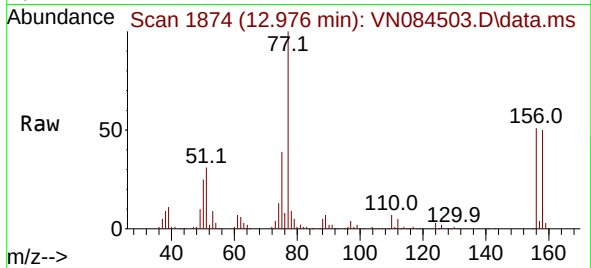




#77  
Bromobenzene  
Concen: 51.366 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

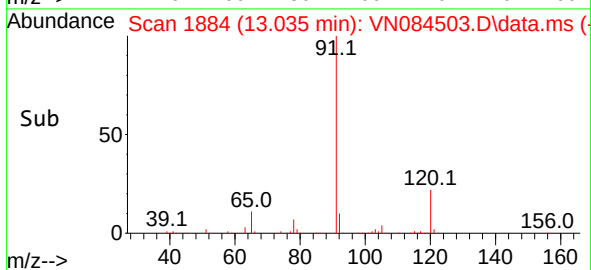
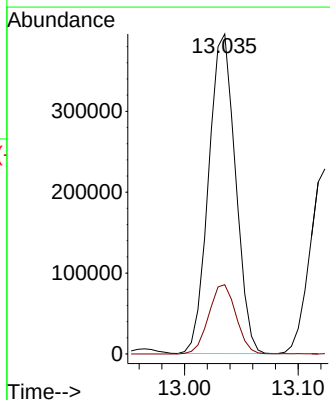
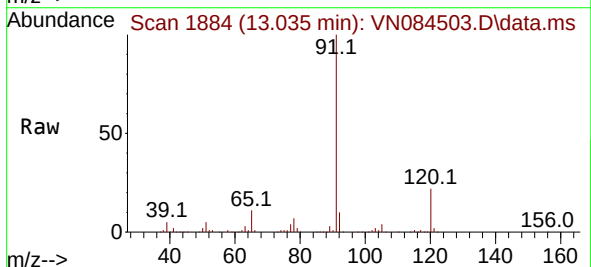
Instrument :  
MSVOA\_N  
ClientSampleId :

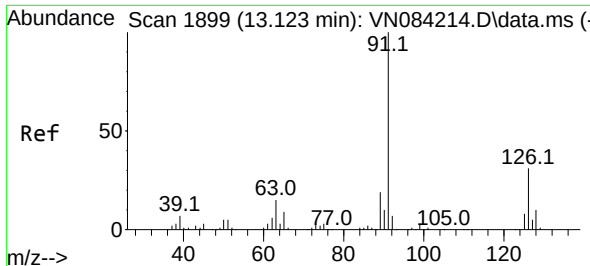
Tgt Ion:156 Resp: 131034  
Ion Ratio Lower Upper  
156 100  
77 220.5 115.1 345.3  
158 94.5 48.9 146.8



#78  
n-propylbenzene  
Concen: 52.981 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 91 Resp: 649179  
Ion Ratio Lower Upper  
91 100  
120 22.0 10.8 32.4

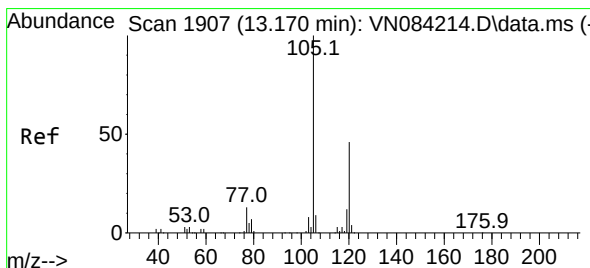
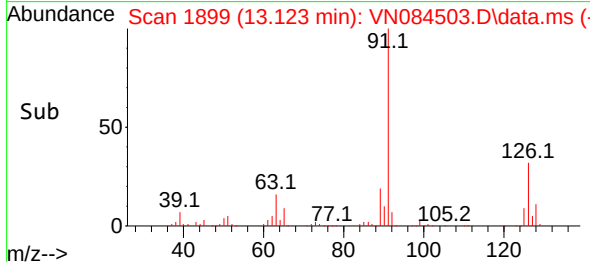
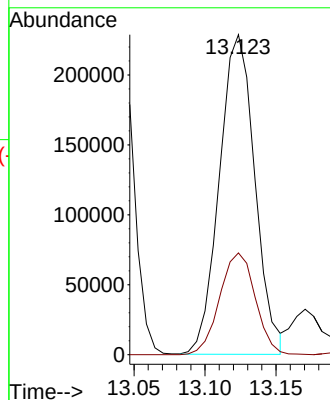
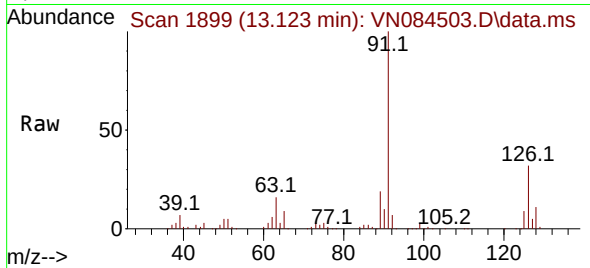




#79  
2-Chlorotoluene  
Concen: 50.768 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

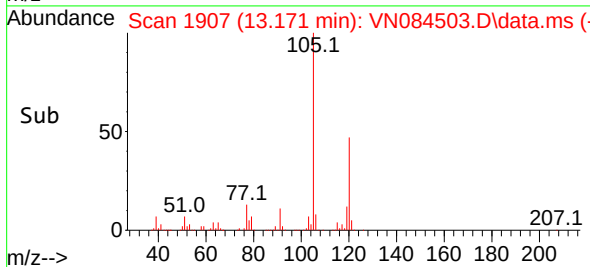
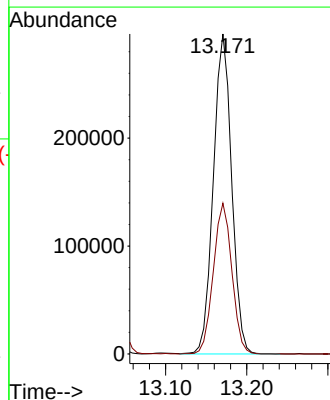
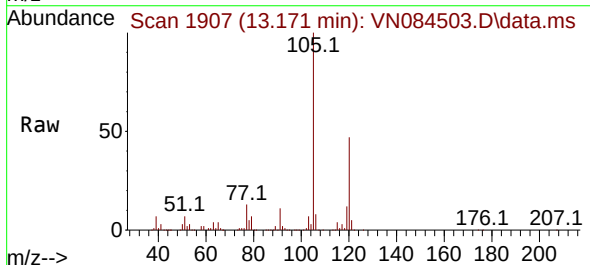
Instrument :  
MSVOA\_N  
ClientSampleId :

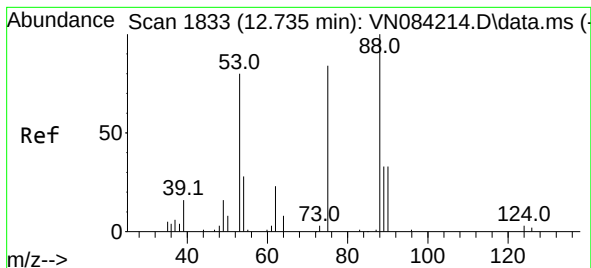
Tgt Ion: 91 Resp: 396945  
Ion Ratio Lower Upper  
91 100  
126 32.0 15.7 47.1



#80  
1,3,5-Trimethylbenzene  
Concen: 53.809 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 105 Resp: 464199  
Ion Ratio Lower Upper  
105 100  
120 47.7 23.7 71.1

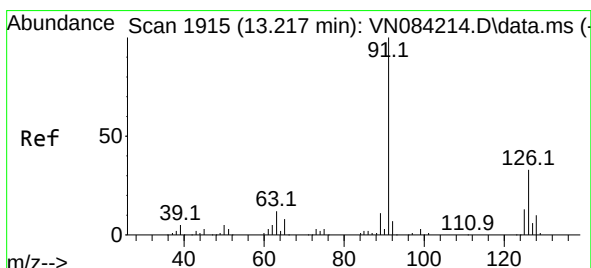
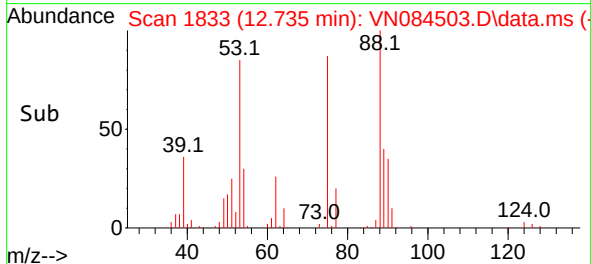
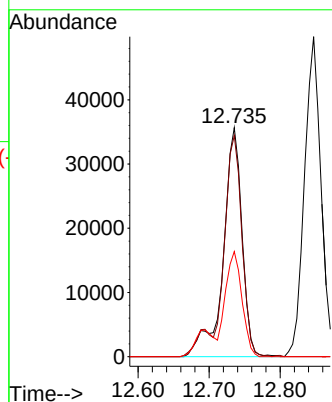
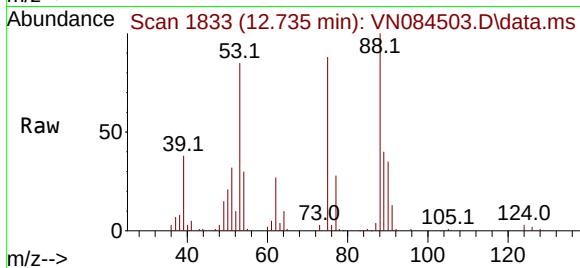




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.624 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

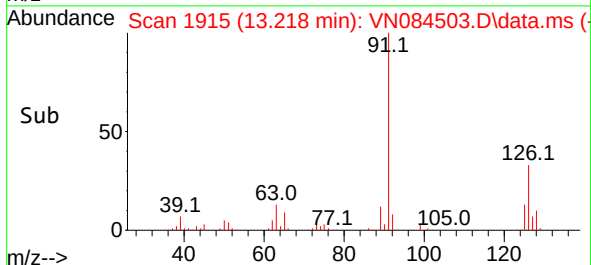
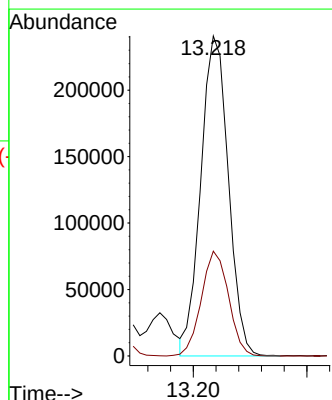
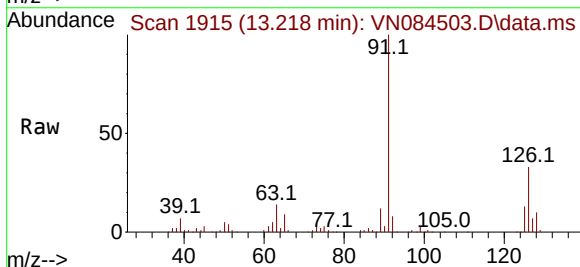
Instrument :  
MSVOA\_N  
ClientSampleId :

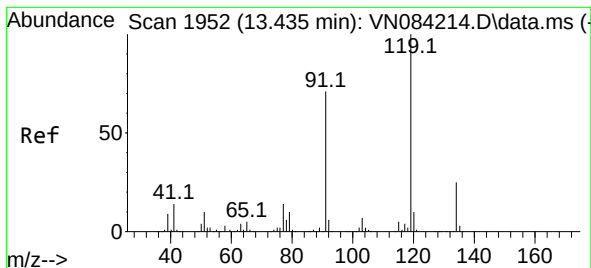
Tgt Ion: 75 Resp: 65645  
Ion Ratio Lower Upper  
75 100  
53 86.6 78.0 117.0  
89 40.2 35.5 53.3



#82  
4-Chlorotoluene  
Concen: 51.584 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 91 Resp: 406014  
Ion Ratio Lower Upper  
91 100  
126 32.3 15.7 47.1

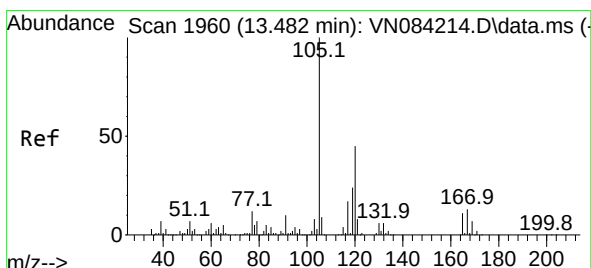
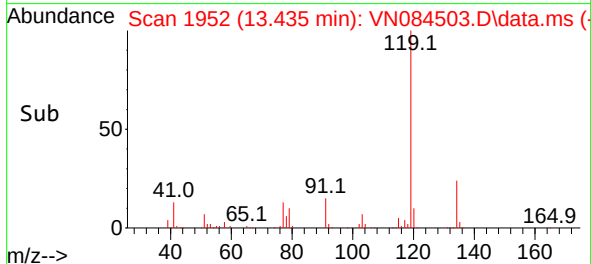
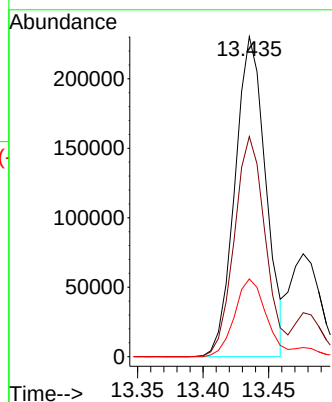
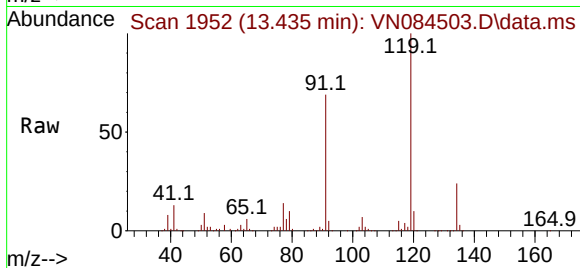




#83  
 tert-Butylbenzene  
 Concen: 49.081 ug/l  
 RT: 13.435 min Scan# 1952  
 Delta R.T. 0.000 min  
 Lab File: VN084503.D  
 Acq: 25 Oct 2024 08:59

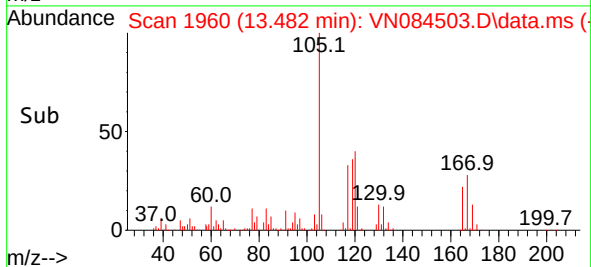
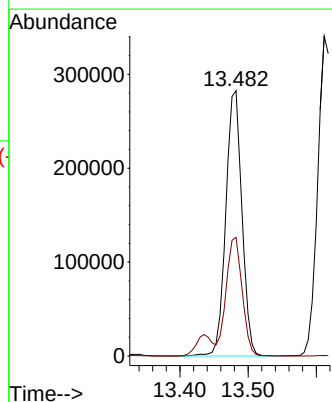
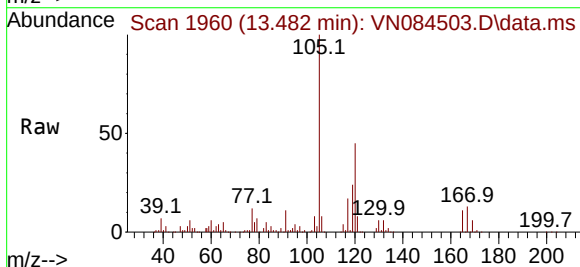
Instrument :  
 MSVOA\_N  
 ClientSampleId :

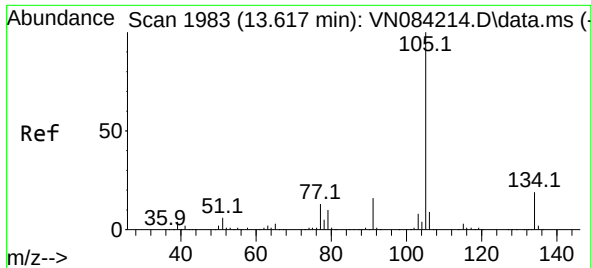
Tgt Ion:119 Resp: 376330  
 Ion Ratio Lower Upper  
 119 100  
 91 69.9 34.1 102.3  
 134 25.4 12.8 38.4



#84  
 1,2,4-Trimethylbenzene  
 Concen: 53.515 ug/l  
 RT: 13.482 min Scan# 1960  
 Delta R.T. 0.000 min  
 Lab File: VN084503.D  
 Acq: 25 Oct 2024 08:59

Tgt Ion:105 Resp: 465072  
 Ion Ratio Lower Upper  
 105 100  
 120 44.4 22.3 66.8

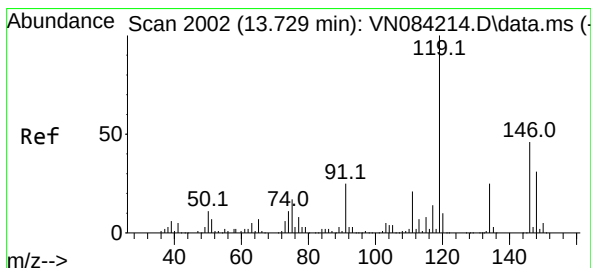
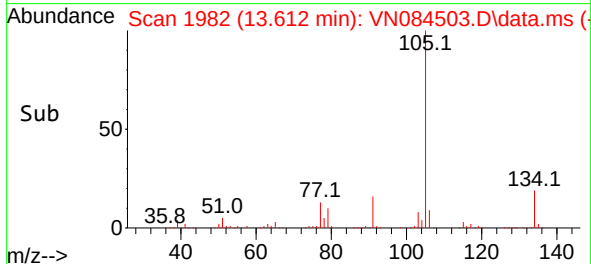
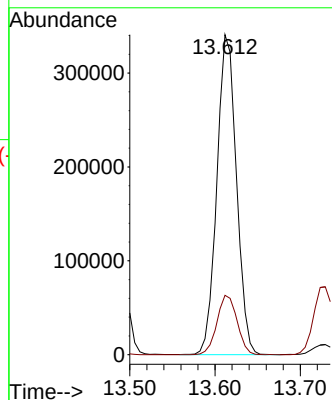
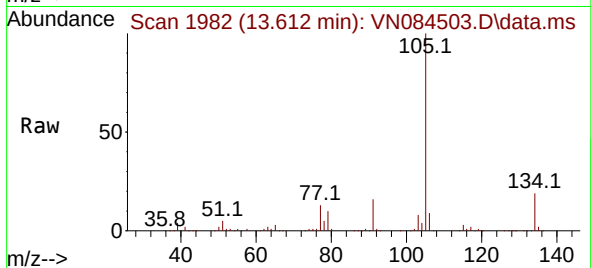




#85  
 sec-Butylbenzene  
 Concen: 53.211 ug/l  
 RT: 13.612 min Scan# 1983  
 Delta R.T. -0.006 min  
 Lab File: VN084503.D  
 Acq: 25 Oct 2024 08:59

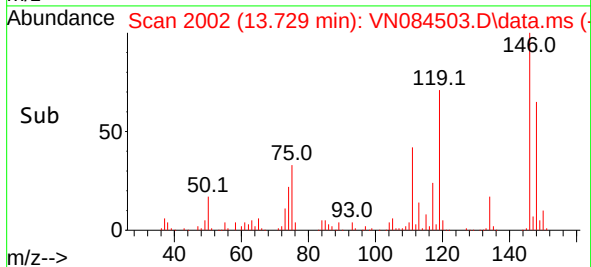
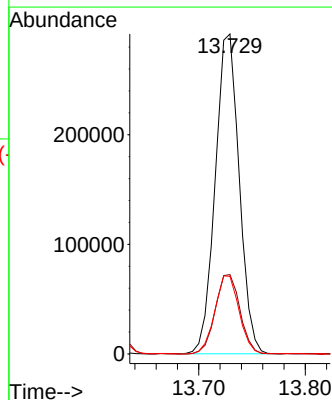
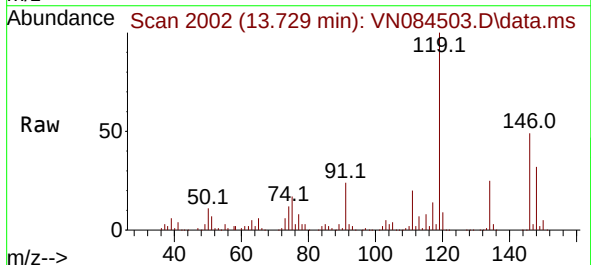
Instrument :  
 MSVOA\_N  
 ClientSampleId :

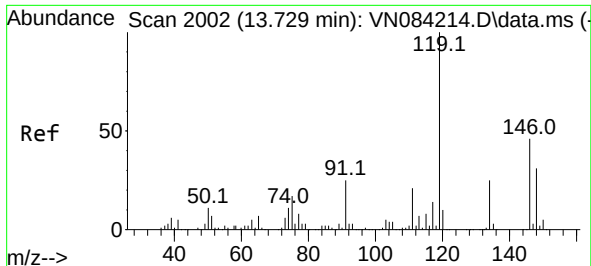
Tgt Ion:105 Resp: 544439  
 Ion Ratio Lower Upper  
 105 100  
 134 19.1 9.8 29.4



#86  
 p-Isopropyltoluene  
 Concen: 53.933 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN084503.D  
 Acq: 25 Oct 2024 08:59

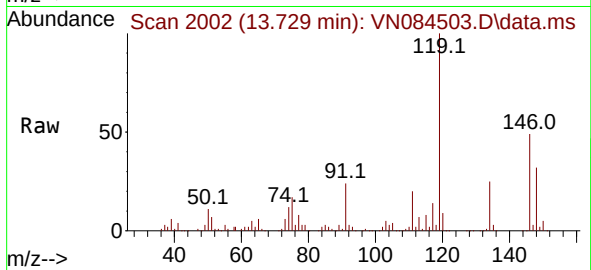
Tgt Ion:119 Resp: 456315  
 Ion Ratio Lower Upper  
 119 100  
 134 25.6 12.6 37.8  
 91 24.8 12.4 37.2



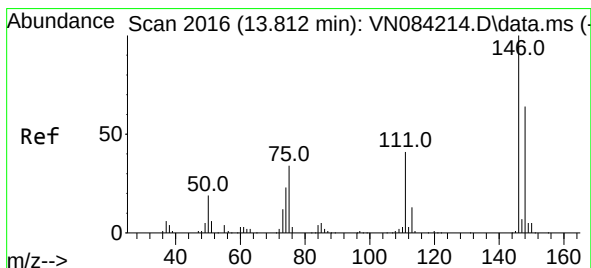
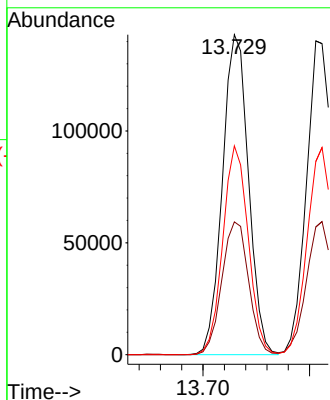
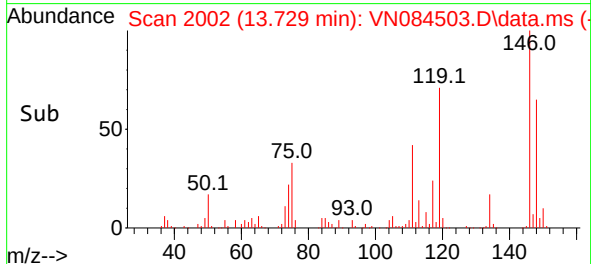


#87  
 1,3-Dichlorobenzene  
 Concen: 50.810 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN084503.D  
 Acq: 25 Oct 2024 08:59

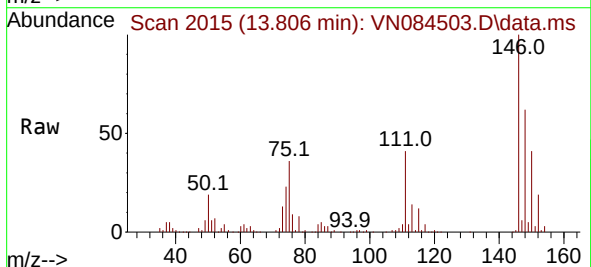
Instrument :  
 MSVOA\_N  
 ClientSampleId :



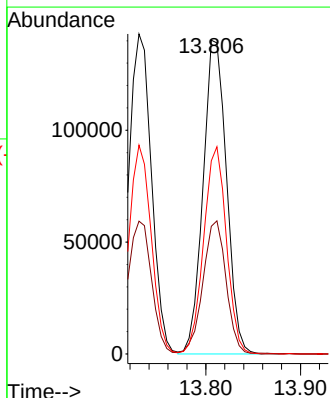
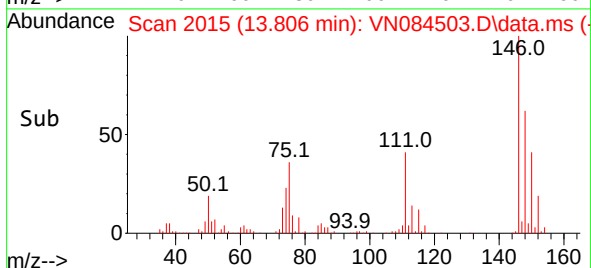
Tgt Ion:146 Resp: 243161  
 Ion Ratio Lower Upper  
 146 100  
 111 42.7 21.8 65.3  
 148 63.7 31.9 95.7



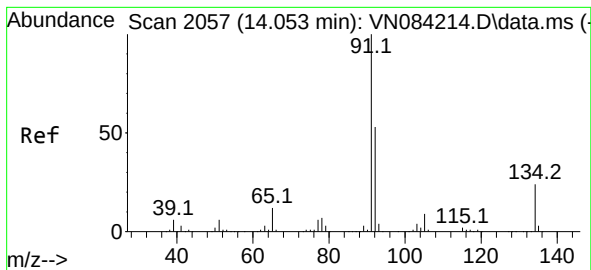
#88  
 1,4-Dichlorobenzene  
 Concen: 49.961 ug/l  
 RT: 13.806 min Scan# 2015  
 Delta R.T. -0.006 min  
 Lab File: VN084503.D  
 Acq: 25 Oct 2024 08:59



Tgt Ion:146 Resp: 241454  
 Ion Ratio Lower Upper  
 146 100  
 111 42.1 21.2 63.6  
 148 64.1 31.9 95.9







#89

n-Butylbenzene

Concen: 52.772 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

ClientSampleId :

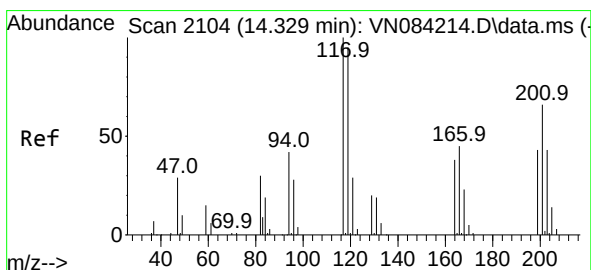
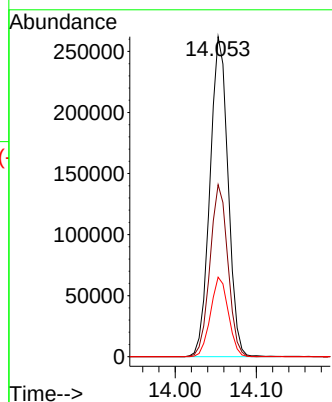
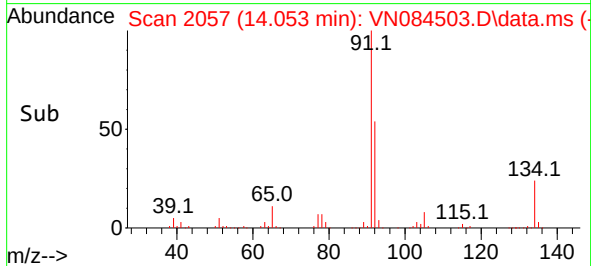
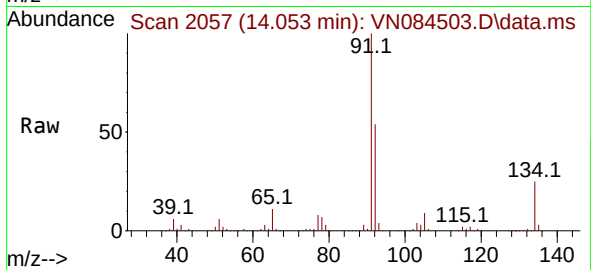
Tgt Ion: 91 Resp: 404862

Ion Ratio Lower Upper

91 100

92 53.1 26.6 79.7

134 24.4 12.3 36.9



#90

Hexachloroethane

Concen: 48.991 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. 0.000 min

Lab File: VN084503.D

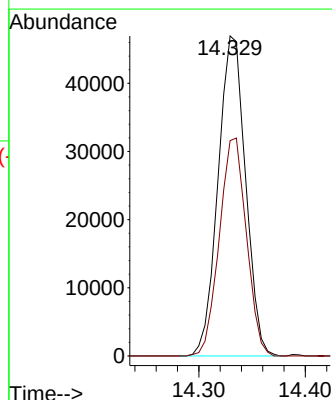
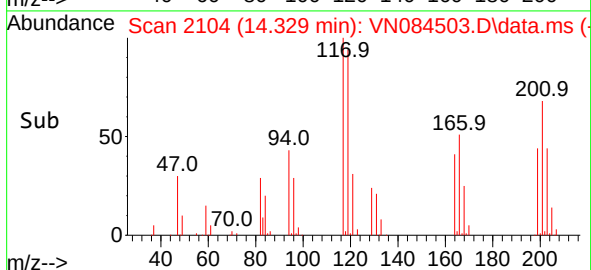
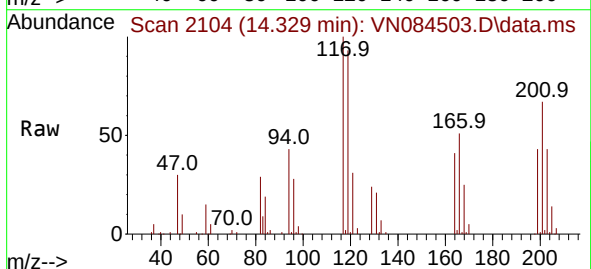
Acq: 25 Oct 2024 08:59

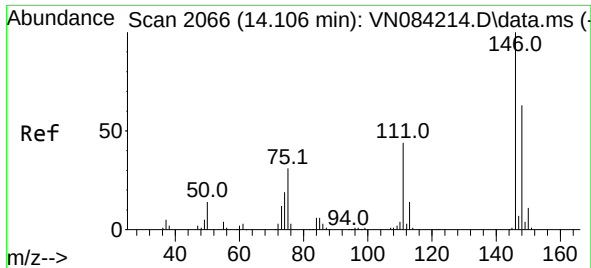
Tgt Ion: 117 Resp: 84136

Ion Ratio Lower Upper

117 100

201 66.9 34.4 103.2

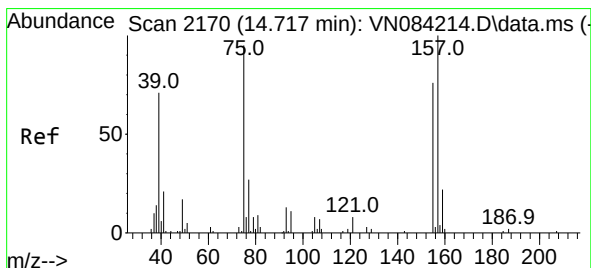
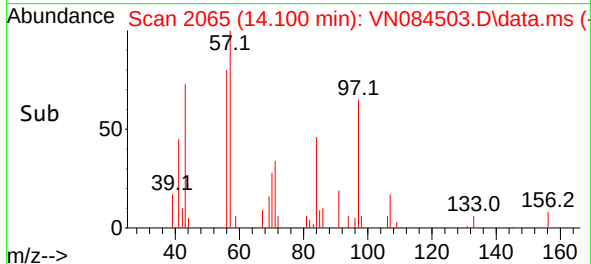
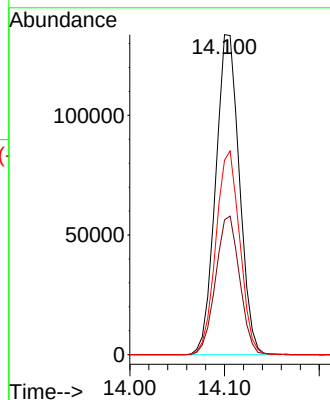
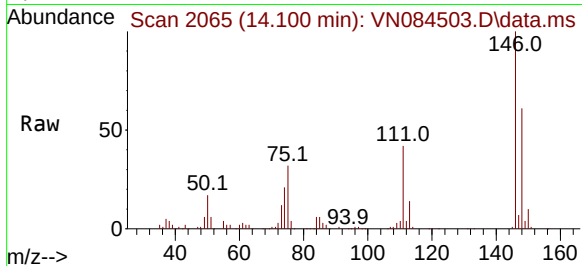




#91  
1,2-Dichlorobenzene  
Concen: 49.707 ug/l  
RT: 14.100 min Scan# 2066  
Delta R.T. -0.006 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

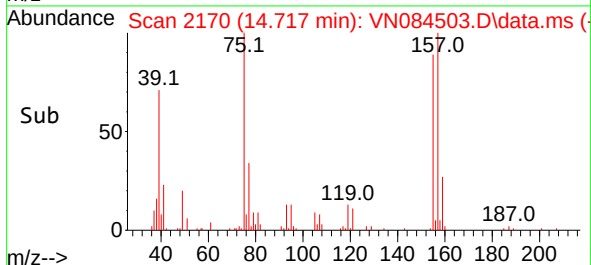
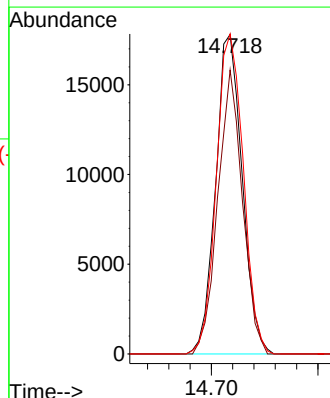
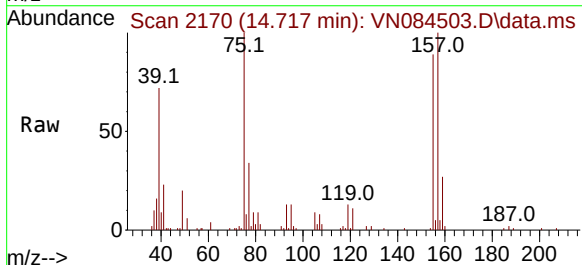
Instrument :  
MSVOA\_N  
ClientSampleId :

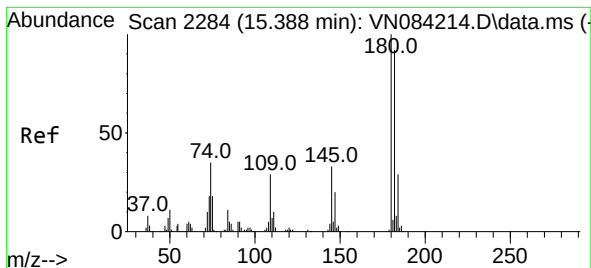
Tgt Ion:146 Resp: 233253  
Ion Ratio Lower Upper  
146 100  
111 43.8 22.0 66.0  
148 64.0 32.1 96.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 46.955 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion: 75 Resp: 30813  
Ion Ratio Lower Upper  
75 100  
155 82.5 38.1 114.5  
157 101.7 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 52.231 ug/l

RT: 15.388 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

Instrument :

MSVOA\_N

ClientSampleId :

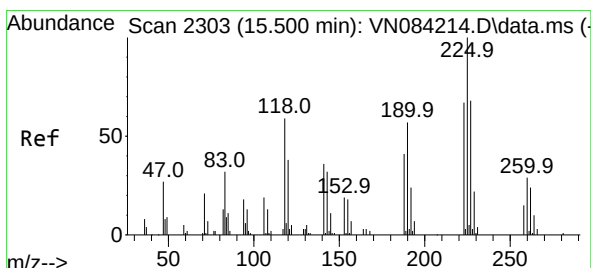
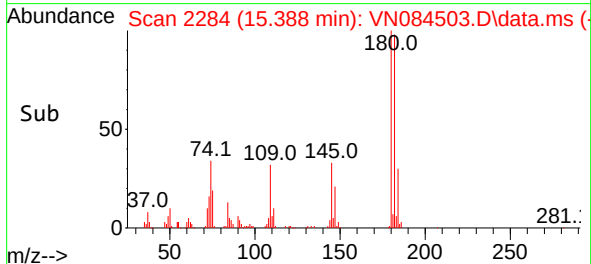
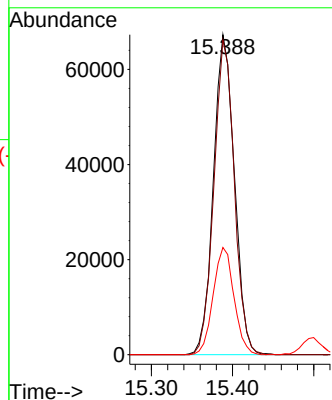
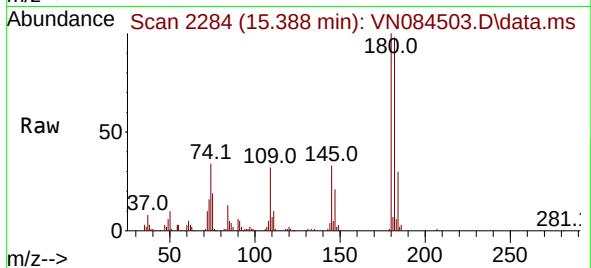
Tgt Ion:180 Resp: 120724

Ion Ratio Lower Upper

180 100

182 95.7 47.0 141.0

145 33.2 16.4 49.4



#94

Hexachlorobutadiene

Concen: 47.010 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN084503.D

Acq: 25 Oct 2024 08:59

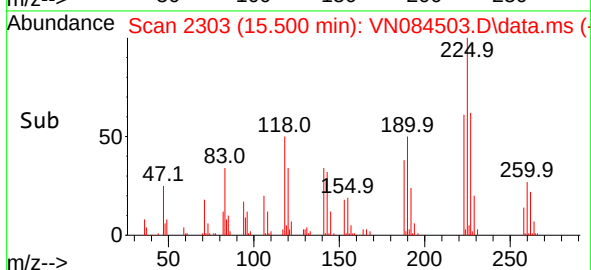
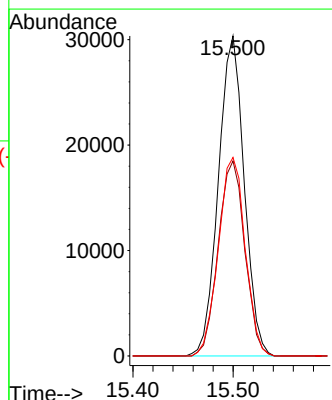
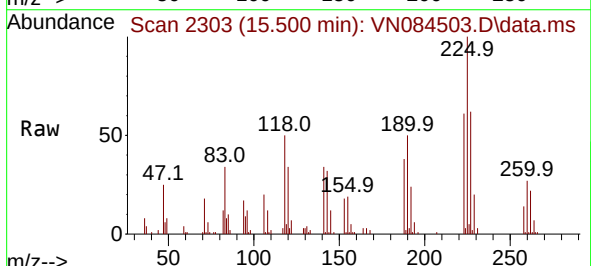
Tgt Ion:225 Resp: 54186

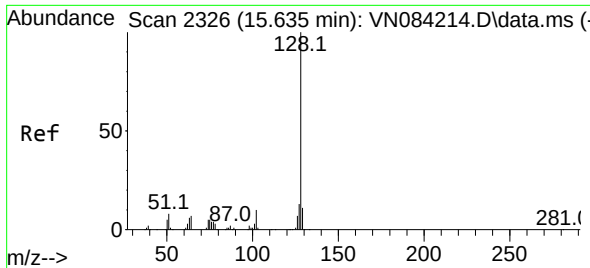
Ion Ratio Lower Upper

225 100

223 62.8 32.4 97.2

227 64.3 32.4 97.0

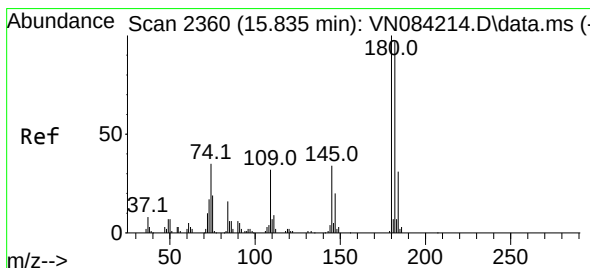
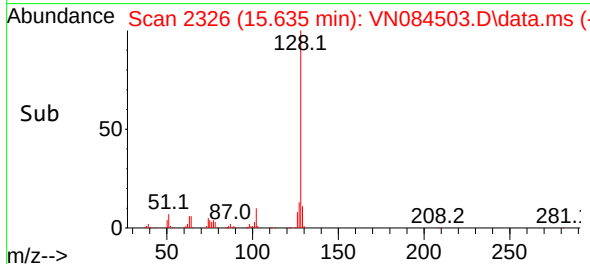
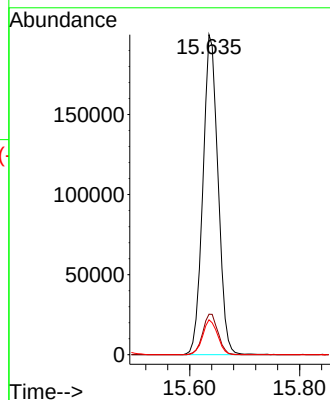
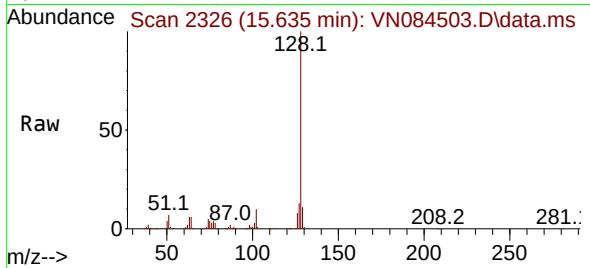




#95  
Naphthalene  
Concen: 49.799 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:128 Resp: 381581  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.5 15.7  
129 10.7 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 50.686 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VN084503.D  
Acq: 25 Oct 2024 08:59

Tgt Ion:180 Resp: 117270  
Ion Ratio Lower Upper  
180 100  
182 94.7 48.2 144.6  
145 34.7 17.3 51.9

