

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112524\  
 Data File : VN085033.D  
 Acq On : 25 Nov 2024 17:27  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 26 05:55:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N103124W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 01 02:38:04 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Bromochloromethane        | 7.812  | 128   | 25622    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100  | 114   | 137355   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865 | 117   | 126045   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.571  | 65    | 62795    | 30.485   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =      | 101.633% |
| 60) 4-Bromofluorobenzene     | 12.847 | 95    | 64645    | 29.786   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =      | 99.300%  |
| 63) Toluene-d8               | 10.565 | 98    | 177726   | 29.785   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =      | 99.267%  |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.118  | 85    | 29825    | 20.014   | ug/l   | 95       |
| 3) Chloromethane             | 2.359  | 50    | 33165    | 18.485   | ug/l   | 92       |
| 4) Vinyl Chloride            | 2.512  | 62    | 30337    | 18.209   | ug/l   | 92       |
| 5) Bromomethane              | 2.901  | 94    | 16953    | 20.048   | ug/l   | 98       |
| 6) Chloroethane              | 3.071  | 64    | 21010    | 19.206   | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 3.465  | 101   | 53611    | 19.814   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.953  | 74    | 18295    | 18.956   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.348  | 101   | 16678    | 10.907   | ug/l   | 95       |
| 10) 1,1-Dichloroethene       | 4.324  | 96    | 28138    | 18.844   | ug/l   | 90       |
| 11) Methyl Iodide            | 4.577  | 142   | 39506    | 19.250   | ug/l   | 86       |
| 12) Methyl Acetate           | 5.018  | 43    | 40004    | 17.187   | ug/l   | 97       |
| 13) Acrolein                 | 4.171  | 56    | 29162    | 101.601  | ug/l   | 100      |
| 14) Acrylonitrile            | 5.718  | 53    | 72537    | 95.264   | ug/l   | 100      |
| 15) Acetone                  | 4.430  | 58    | 21092    | 107.807  | ug/l   | 93       |
| 16) Carbon Disulfide         | 4.695  | 76    | 77424    | 17.622   | ug/l   | 98       |
| 17) Allyl chloride           | 5.012  | 41    | 44644    | 17.546   | ug/l   | 95       |
| 18) Methylene Chloride       | 5.265  | 84    | 32813    | 18.753   | ug/l   | 96       |
| 19) trans-1,2-Dichloroethene | 5.777  | 96    | 28924    | 18.480   | ug/l   | 88       |
| 20) Diisopropyl ether        | 6.671  | 45    | 95967    | 18.841   | ug/l   | 98       |
| 21) 1,1-Dichloroethane       | 6.559  | 63    | 58172    | 18.991   | ug/l   | 97       |
| 22) cis-1,2-Dichloroethene   | 7.483  | 96    | 36200    | 19.373   | ug/l   | 91       |
| 23) tert-Butyl Alcohol       | 5.536  | 59    | 29825    | 112.198  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.794  | 73    | 92660    | 19.189   | ug/l   | 100      |
| 25) Chloroform               | 7.965  | 83    | 63225    | 20.146   | ug/l   | 94       |
| 26) Cyclohexane              | 8.247  | 56    | 44580    | 19.053   | ug/l # | 99       |
| 29) 1,1-Dichloropropene      | 8.365  | 75    | 39714    | 19.196   | ug/l   | 99       |
| 30) 2-Butanone               | 7.477  | 43    | 98968    | 103.705  | ug/l   | 100      |
| 31) 2,2-Dichloropropane      | 7.489  | 77    | 54625    | 21.630   | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 8.159  | 97    | 55332    | 19.686   | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 8.359  | 117   | 48046    | 20.033   | ug/l   | 97       |
| 34) Benzene                  | 8.600  | 78    | 131526   | 19.234   | ug/l   | 95       |
| 35) Methacrylonitrile        | 7.771  | 41    | 20433    | 18.065   | ug/l   | 96       |
| 36) 1,2-Dichloroethane       | 8.665  | 62    | 45727    | 20.108   | ug/l   | 99       |
| 37) Trichloroethene          | 9.347  | 130   | 29575    | 19.171   | ug/l   | 96       |
| 38) Methylcyclohexane        | 9.594  | 83    | 40065    | 17.989   | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 9.618  | 63    | 31583    | 19.186   | ug/l   | 90       |
| 40) Dibromomethane           | 9.706  | 93    | 23314    | 20.245   | ug/l   | 99       |
| 41) Bromodichloromethane     | 9.882  | 83    | 47227    | 19.130   | ug/l   | 97       |
| 42) Vinyl Acetate            | 6.600  | 43    | 341106   | 95.625   | ug/l   | 100      |

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 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 26 05:55:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N103124W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 01 02:38:04 2024  
 Response via : Initial Calibration

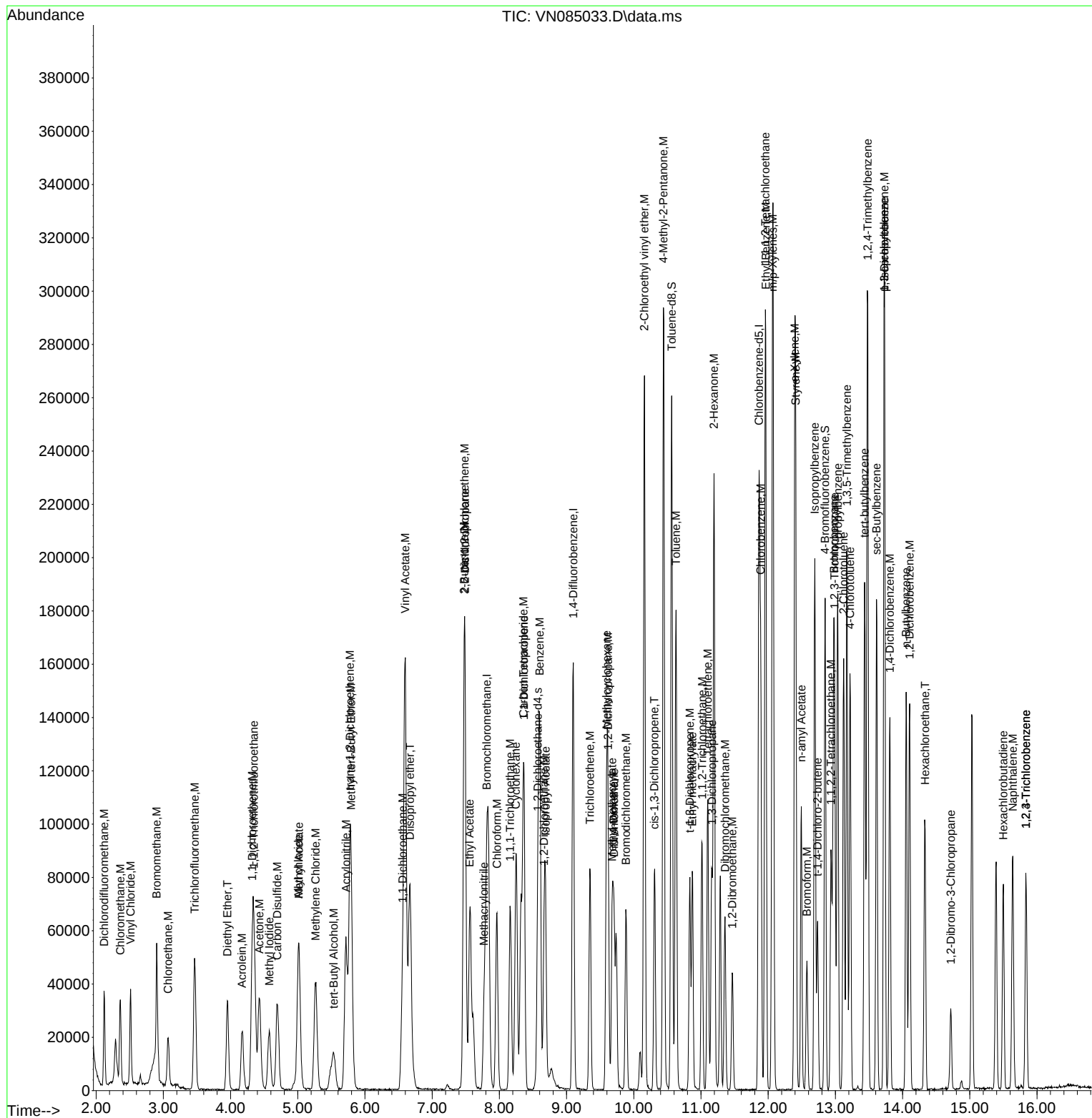
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.559  | 43   | 41277    | 20.584  | ug/l   | 98       |
| 44) Isopropyl Acetate         | 8.688  | 43   | 68995    | 16.992  | ug/l   | 97       |
| 45) 1,4-Dioxane               | 9.700  | 88   | 9802     | 361.582 | ug/l # | 90       |
| 46) Methyl methacrylate       | 9.677  | 41   | 29399    | 18.017  | ug/l   | 90       |
| 47) n-amyl Acetate            | 12.494 | 43   | 54723    | 18.045  | ug/l   | 98       |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 45141    | 18.518  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene   | 10.306 | 75   | 48530    | 18.575  | ug/l   | 96       |
| 50) 1,1,2-Trichloroethane     | 11.018 | 97   | 30679    | 19.861  | ug/l   | 94       |
| 51) Ethyl methacrylate        | 10.871 | 69   | 43660    | 18.337  | ug/l   | 94       |
| 52) 1,3-Dichloropropane       | 11.165 | 76   | 51161    | 19.081  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.359 | 129  | 35850    | 19.832  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.465 | 107  | 30266    | 19.373  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 116217   | 99.557  | ug/l   | 99       |
| 56) Bromoform                 | 12.576 | 173  | 23214    | 19.159  | ug/l   | 98       |
| 58) 4-Methyl-2-Pentanone      | 10.441 | 43   | 194803   | 97.964  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 143144   | 98.306  | ug/l   | 99       |
| 61) Tetrachloroethene         | 11.100 | 164  | 25694    | 19.478  | ug/l   | 98       |
| 62) Toluene                   | 10.629 | 91   | 135769   | 18.912  | ug/l   | 98       |
| 64) Chlorobenzene             | 11.888 | 112  | 81571    | 18.822  | ug/l   | 97       |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 31384    | 19.704  | ug/l   | 97       |
| 66) Ethyl Benzene             | 11.965 | 91   | 137642   | 18.244  | ug/l   | 96       |
| 67) m/p-Xylenes               | 12.071 | 106  | 107812   | 37.324  | ug/l   | 99       |
| 68) o-Xylene                  | 12.394 | 106  | 51933    | 18.638  | ug/l   | 98       |
| 69) Styrene                   | 12.412 | 104  | 86656    | 18.549  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.694 | 105  | 129995   | 18.781  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 44308    | 19.749  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane    | 12.988 | 75   | 55493    | 28.967  | ug/l   | 66       |
| 73) Bromobenzene              | 12.982 | 156  | 32698    | 18.316  | ug/l   | 96       |
| 74) n-propylbenzene           | 13.035 | 91   | 149647   | 18.489  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 97313    | 18.462  | ug/l   | 96       |
| 76) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 111985   | 18.936  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 14866    | 18.921  | ug/l   | 98       |
| 78) 4-Chlorotoluene           | 13.218 | 91   | 97247    | 18.261  | ug/l   | 100      |
| 79) tert-butylbenzene         | 13.435 | 119  | 89730    | 18.347  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 111355   | 18.664  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 13.612 | 105  | 124656   | 18.497  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.729 | 119  | 102914   | 18.174  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 61873    | 18.740  | ug/l   | 100      |
| 84) 1,4-Dichlorobenzene       | 13.812 | 146  | 59532    | 18.248  | ug/l   | 99       |
| 85) n-Butylbenzene            | 14.053 | 91   | 83383    | 17.533  | ug/l   | 97       |
| 86) Hexachloroethane          | 14.335 | 117  | 22144    | 19.121  | ug/l   | 96       |
| 87) 1,2-Dichlorobenzene       | 14.106 | 146  | 60764    | 18.677  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 9180     | 21.206  | ug/l   | 96       |
| 89) 1,2,4-Trichlorobenzene    | 15.835 | 180  | 28432    | 17.948  | ug/l   | 96       |
| 90) Hexachlorobutadiene       | 15.500 | 225  | 14880    | 21.504  | ug/l   | 95       |
| 91) Naphthalene               | 15.641 | 128  | 83763    | 16.557  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 28432    | 17.948  | ug/l   | 96       |

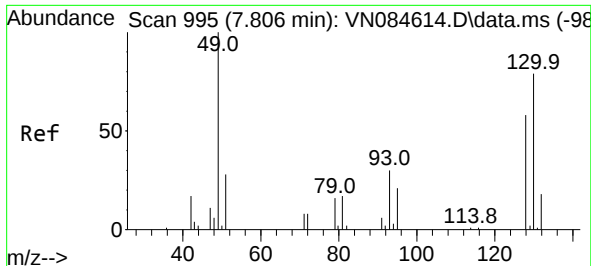
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

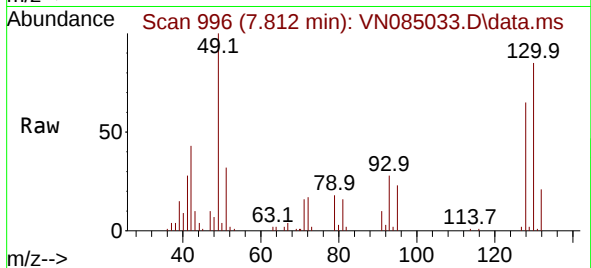
Quant Time: Nov 26 05:55:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N103124W.M  
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 QLast Update : Fri Nov 01 02:38:04 2024  
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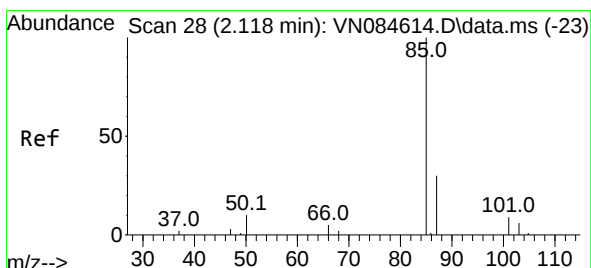
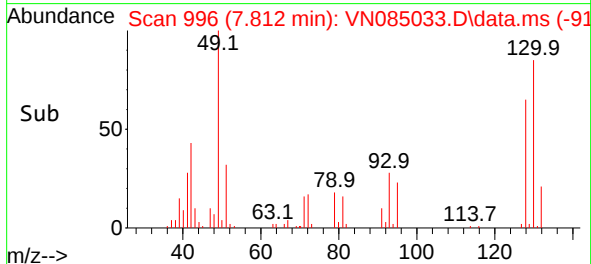
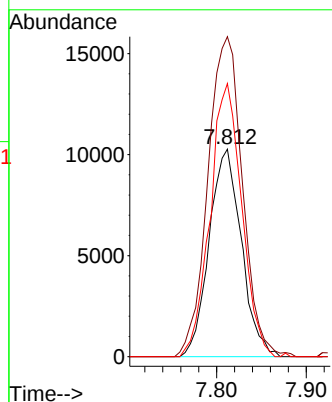


#1  
 Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 7.812 min Scan# 995  
 Delta R.T. 0.006 min  
 Lab File: VN085033.D  
 Acq: 25 Nov 2024 17:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :

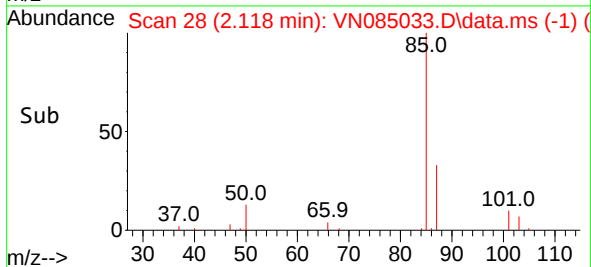
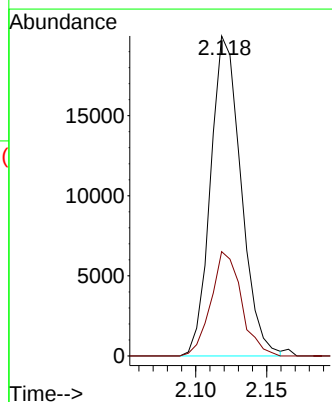
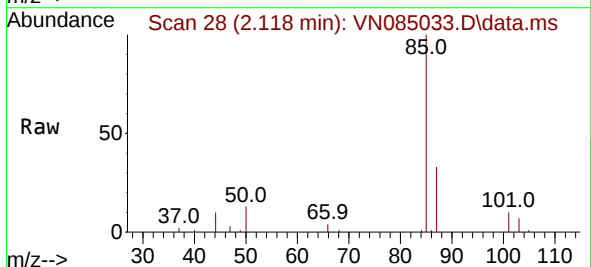


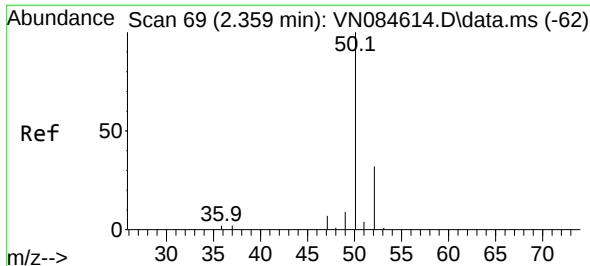
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 25622 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 165.0 | 0.0   | 427.0 |
| 130      | 129.3 | 0.0   | 322.2 |



#2  
 Dichlorodifluoromethane  
 Concen: 20.014 ug/l  
 RT: 2.118 min Scan# 28  
 Delta R.T. -0.000 min  
 Lab File: VN085033.D  
 Acq: 25 Nov 2024 17:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 29825 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 32.6  | 14.9  | 44.9  |

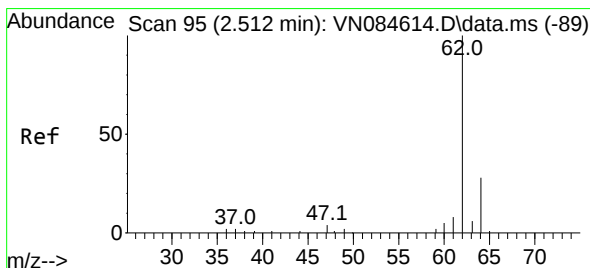
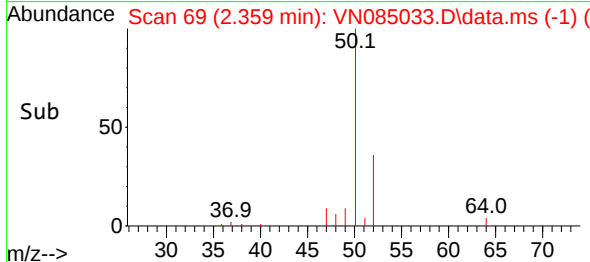
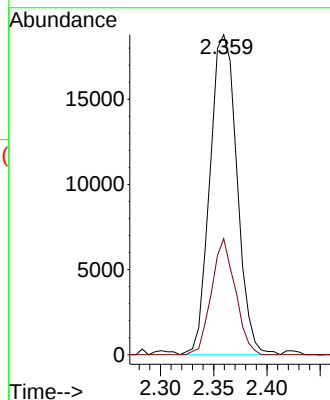
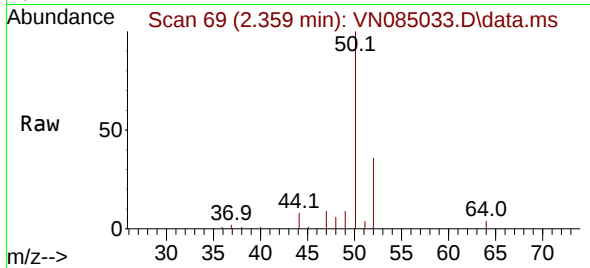




#3  
Chloromethane  
Concen: 18.485 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

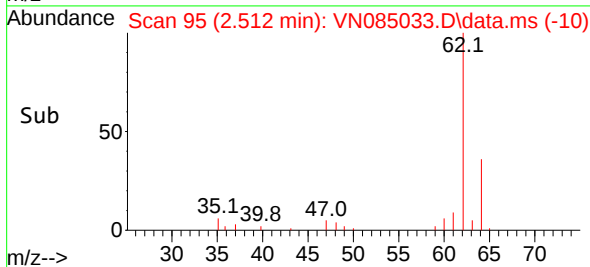
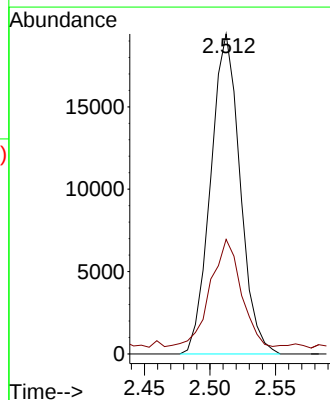
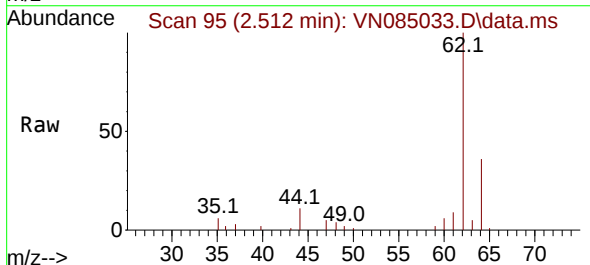
Instrument :  
MSVOA\_N  
ClientSampleId :

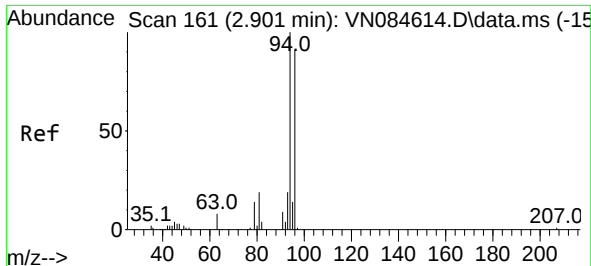
Tgt Ion: 50 Resp: 33165  
Ion Ratio Lower Upper  
50 100  
52 36.3 25.5 38.3



#4  
Vinyl Chloride  
Concen: 18.209 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 62 Resp: 30337  
Ion Ratio Lower Upper  
62 100  
64 33.1 23.1 34.7

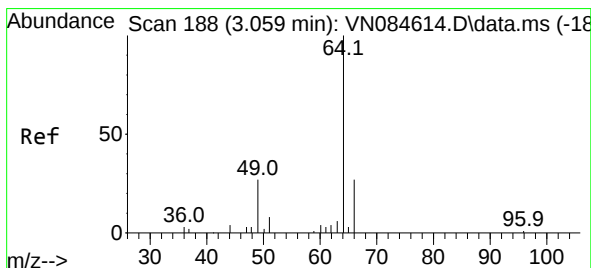
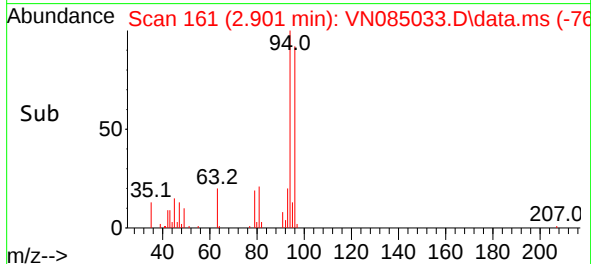
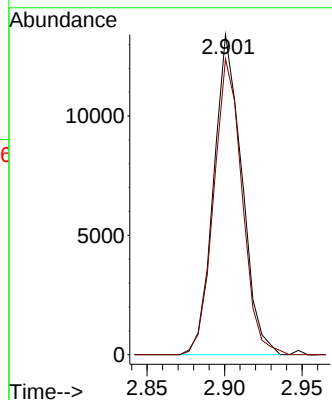
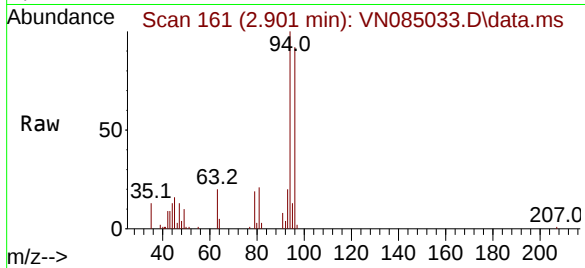




#5  
Bromomethane  
Concen: 20.048 ug/l  
RT: 2.901 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

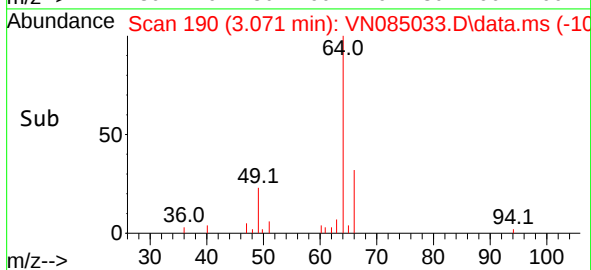
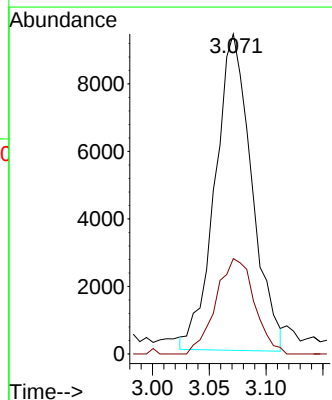
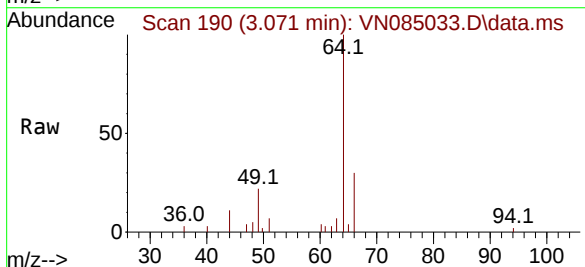
Instrument :  
MSVOA\_N  
ClientSampleId :

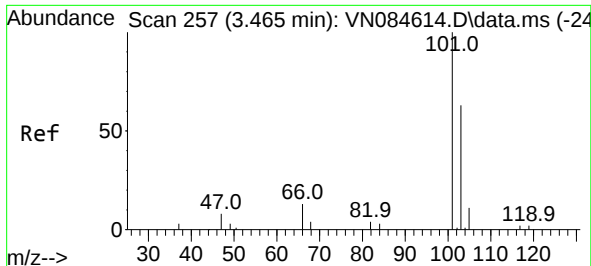
Tgt Ion: 94 Resp: 16953  
Ion Ratio Lower Upper  
94 100  
96 92.5 72.7 109.1



#6  
Chloroethane  
Concen: 19.206 ug/l  
RT: 3.071 min Scan# 190  
Delta R.T. 0.012 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 64 Resp: 21010  
Ion Ratio Lower Upper  
64 100  
66 31.5 22.1 33.1

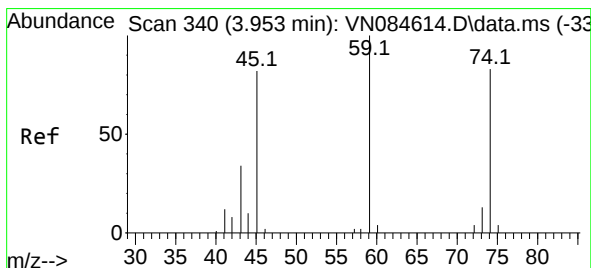
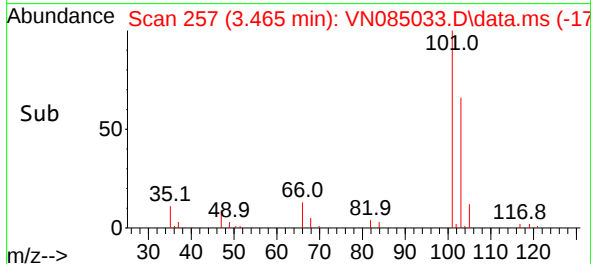
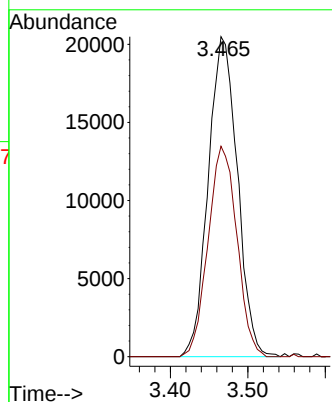
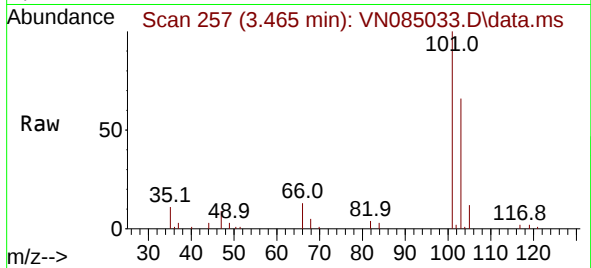




#7  
 Trichlorofluoromethane  
 Concen: 19.814 ug/l  
 RT: 3.465 min Scan# 257  
 Delta R.T. -0.000 min  
 Lab File: VN085033.D  
 Acq: 25 Nov 2024 17:27

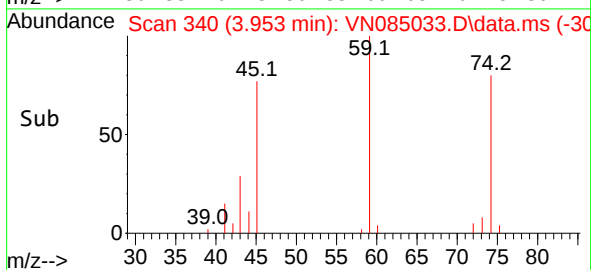
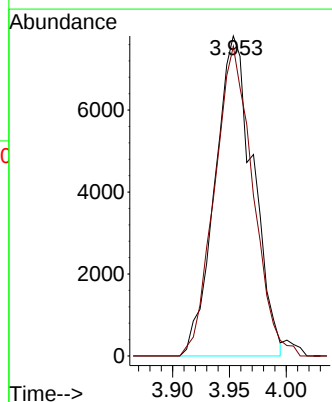
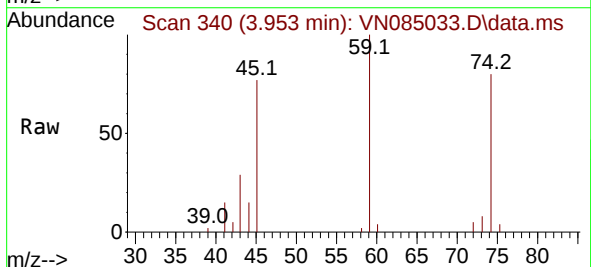
Instrument :  
 MSVOA\_N  
 ClientSampleId :

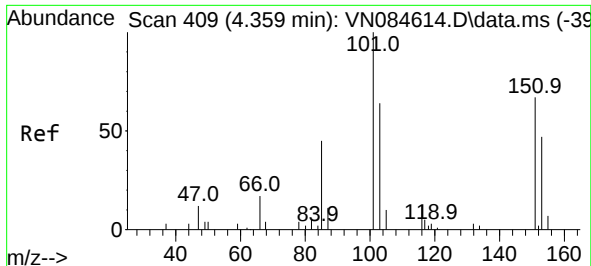
Tgt Ion:101 Resp: 53611  
 Ion Ratio Lower Upper  
 101 100  
 103 65.8 50.1 75.1



#8  
 Diethyl Ether  
 Concen: 18.956 ug/l  
 RT: 3.953 min Scan# 340  
 Delta R.T. -0.000 min  
 Lab File: VN085033.D  
 Acq: 25 Nov 2024 17:27

Tgt Ion: 74 Resp: 18295  
 Ion Ratio Lower Upper  
 74 100  
 45 96.7 19.8 178.4

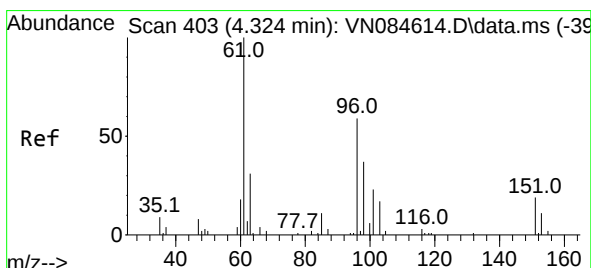
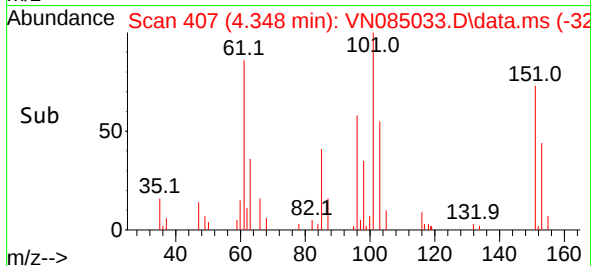
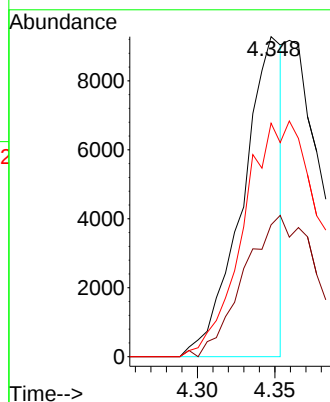
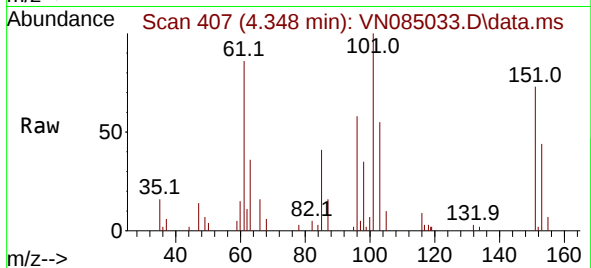




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 10.907 ug/l  
RT: 4.348 min Scan# 407  
Delta R.T. -0.012 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

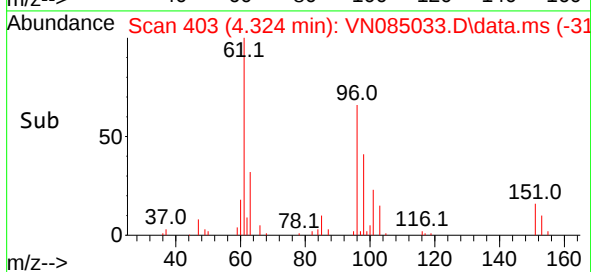
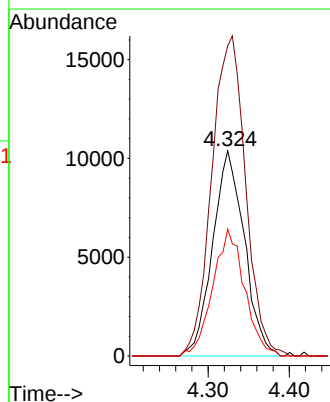
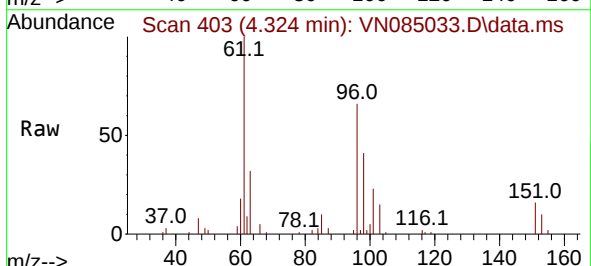
Instrument :  
MSVOA\_N  
ClientSampleId :

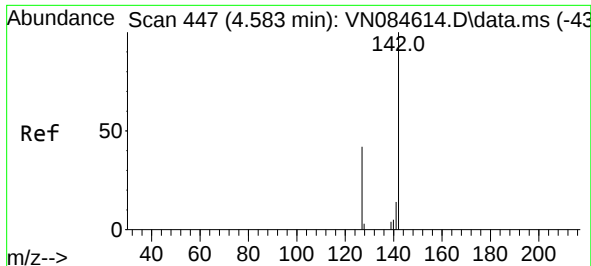
Tgt Ion:101 Resp: 16678  
Ion Ratio Lower Upper  
101 100  
85 50.6 0.0 89.6  
151 72.9 0.0 149.4



#10  
1,1-Dichloroethene  
Concen: 18.844 ug/l  
RT: 4.324 min Scan# 403  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 96 Resp: 28138  
Ion Ratio Lower Upper  
96 100  
61 151.2 135.1 202.7  
98 61.8 50.4 75.6

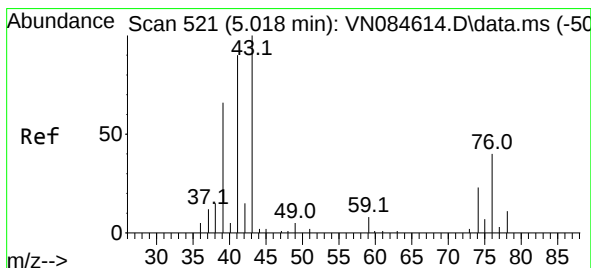
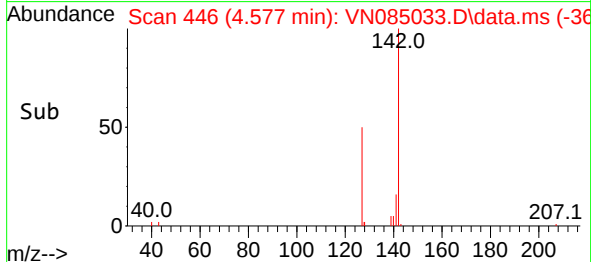
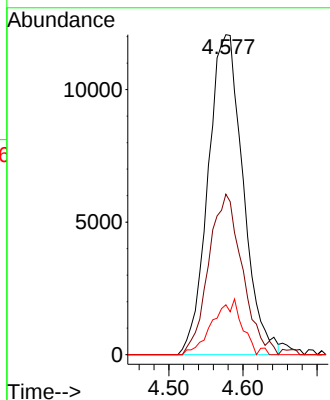
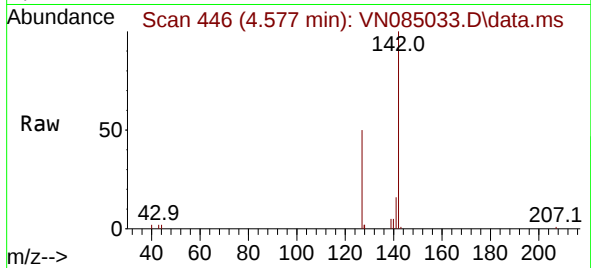




#11  
Methyl Iodide  
Concen: 19.250 ug/l  
RT: 4.577 min Scan# 447  
Delta R.T. -0.006 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

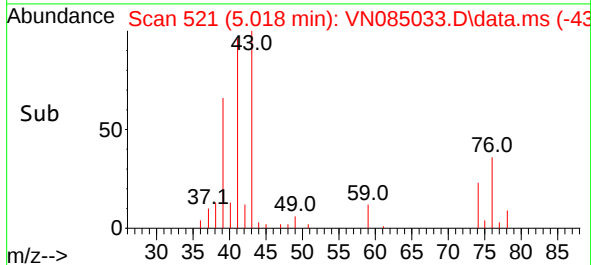
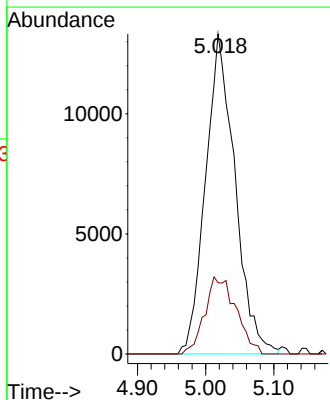
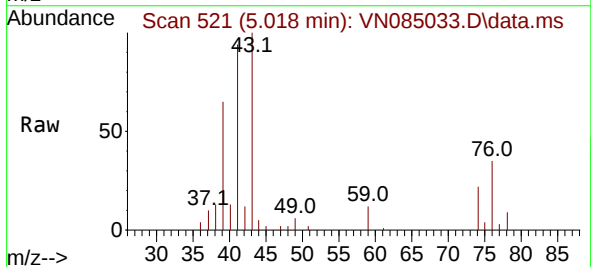
Instrument :  
MSVOA\_N  
ClientSampleId :

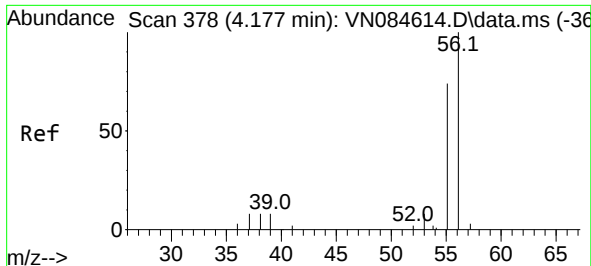
Tgt Ion:142 Resp: 39506  
Ion Ratio Lower Upper  
142 100  
127 51.0 20.3 60.9  
141 15.9 6.9 20.7



#12  
Methyl Acetate  
Concen: 17.187 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 43 Resp: 40004  
Ion Ratio Lower Upper  
43 100  
74 22.4 19.0 28.4





#13

Acrolein

Concen: 101.601 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

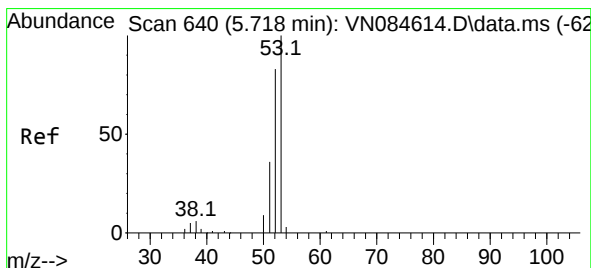
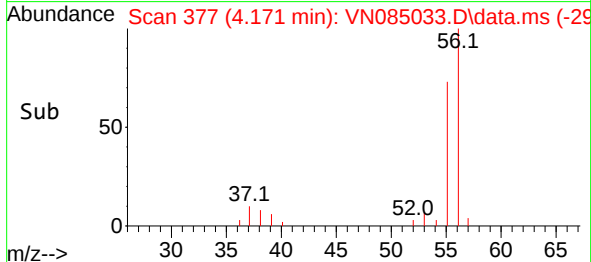
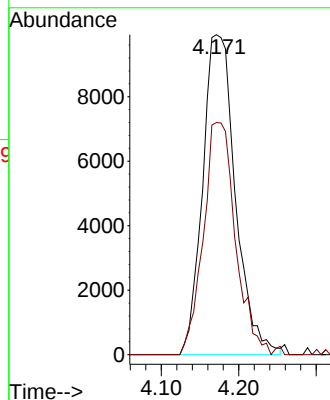
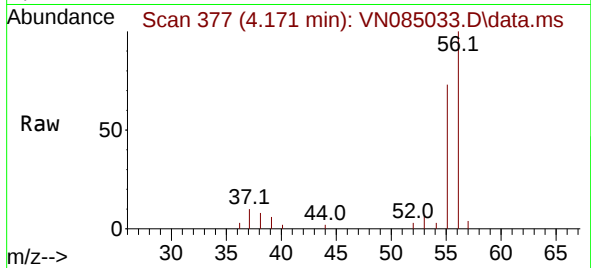
ClientSampleId :

Tgt Ion: 56 Resp: 29162

Ion Ratio Lower Upper

56 100

55 71.0 56.7 85.1



#14

Acrylonitrile

Concen: 95.264 ug/l

RT: 5.718 min Scan# 640

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

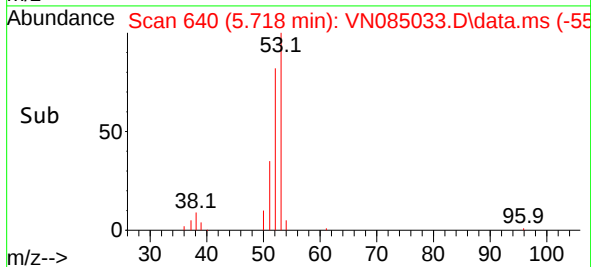
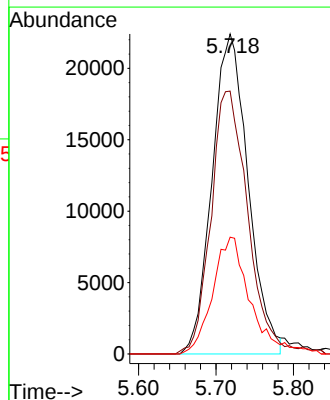
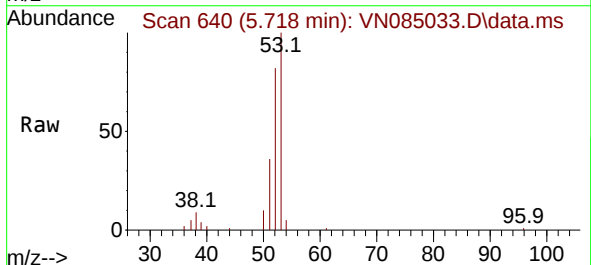
Tgt Ion: 53 Resp: 72537

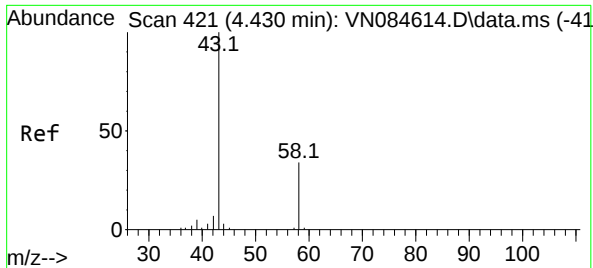
Ion Ratio Lower Upper

53 100

52 83.5 41.6 124.9

51 36.4 18.2 54.6





#15

Acetone

Concen: 107.807 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

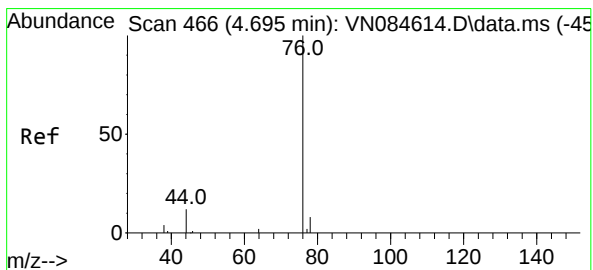
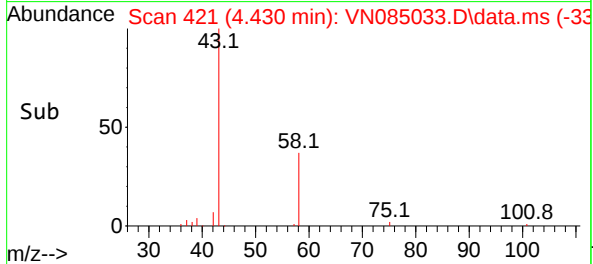
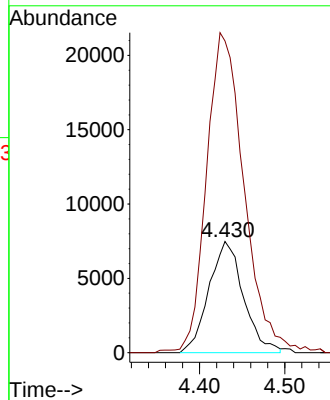
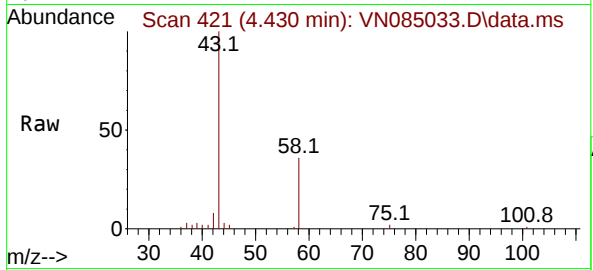
ClientSampleId :

Tgt Ion: 58 Resp: 21092

Ion Ratio Lower Upper

58 100

43 276.9 233.0 349.6



#16

Carbon Disulfide

Concen: 17.622 ug/l

RT: 4.695 min Scan# 466

Delta R.T. -0.000 min

Lab File: VN085033.D

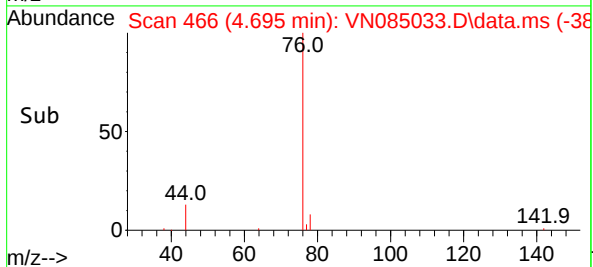
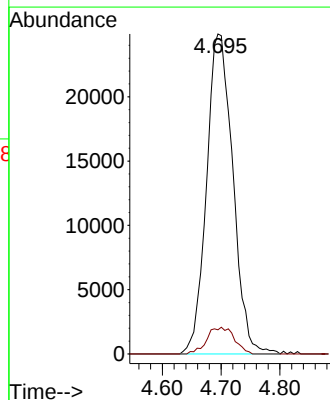
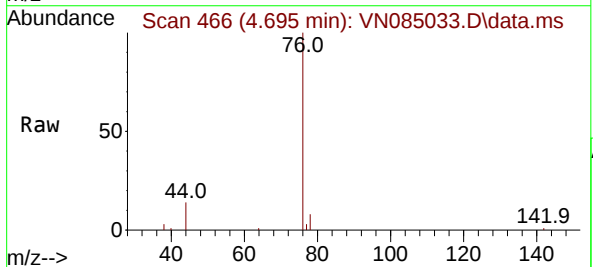
Acq: 25 Nov 2024 17:27

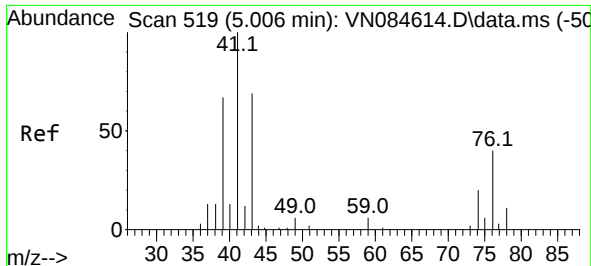
Tgt Ion: 76 Resp: 77424

Ion Ratio Lower Upper

76 100

78 7.5 6.6 9.8





#17

Allyl chloride

Concen: 17.546 ug/l

RT: 5.012 min Scan# 519

Delta R.T. 0.006 min

Lab File: VN085033.D

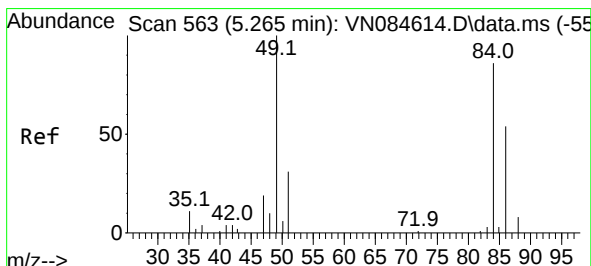
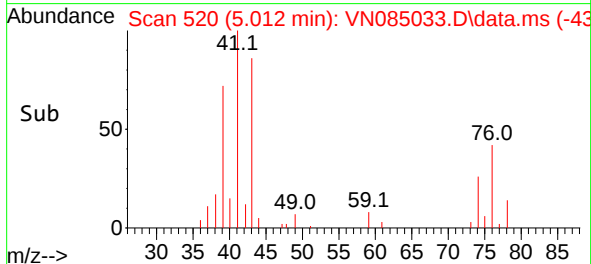
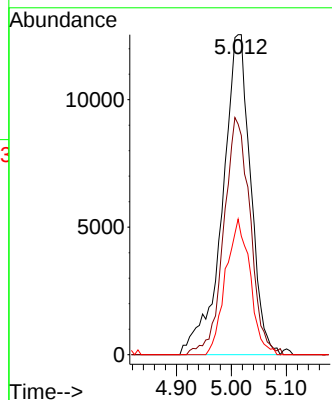
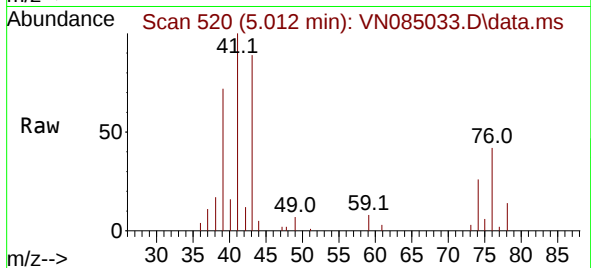
Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 44644 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 72.0     | 33.4 100.2  |
| 76 42.4     | 20.2 60.6   |



#18

Methylene Chloride

Concen: 18.753 ug/l

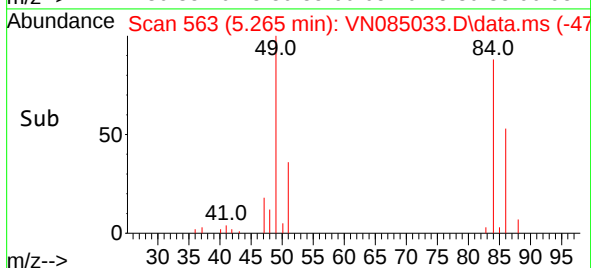
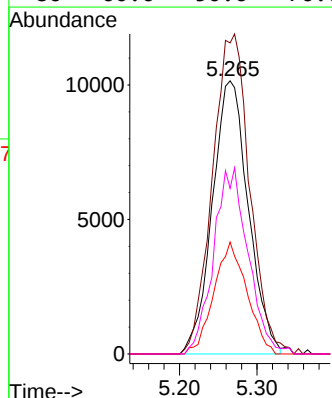
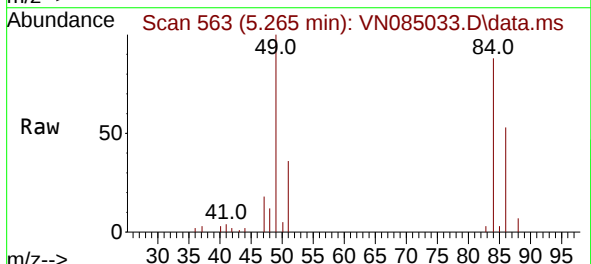
RT: 5.265 min Scan# 563

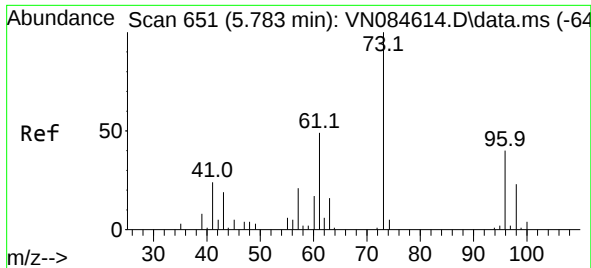
Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 32813 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 113.9    | 93.0 139.6  |
| 51 41.0     | 28.9 43.3   |
| 86 60.6     | 50.6 76.0   |





#19

trans-1,2-Dichloroethene

Concen: 18.480 ug/l

RT: 5.777 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

ClientSampleId :

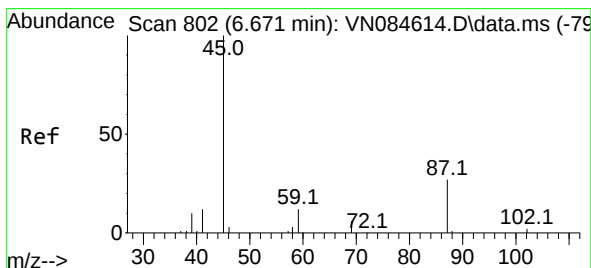
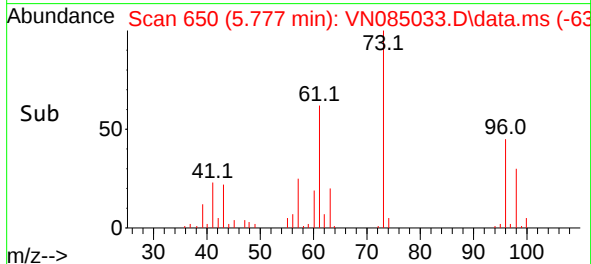
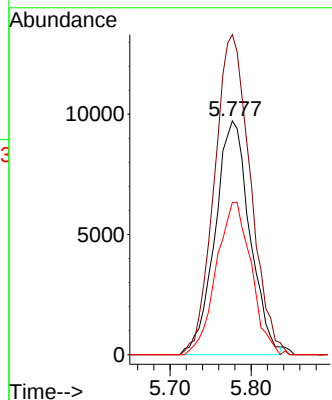
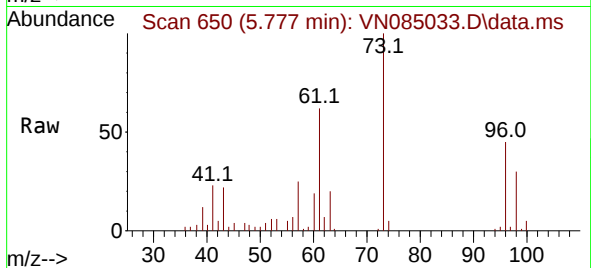
Tgt Ion: 96 Resp: 28924

Ion Ratio Lower Upper

96 100

61 136.8 98.1 147.1

98 65.1 46.6 69.8



#20

Diisopropyl ether

Concen: 18.841 ug/l

RT: 6.671 min Scan# 802

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

Tgt Ion: 45 Resp: 95967

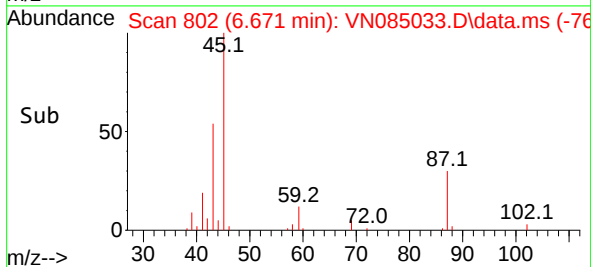
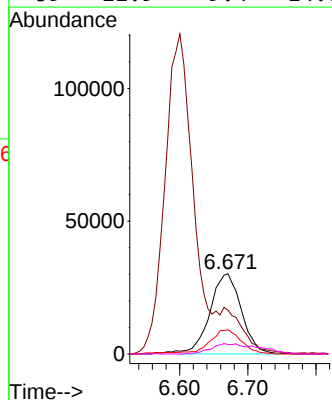
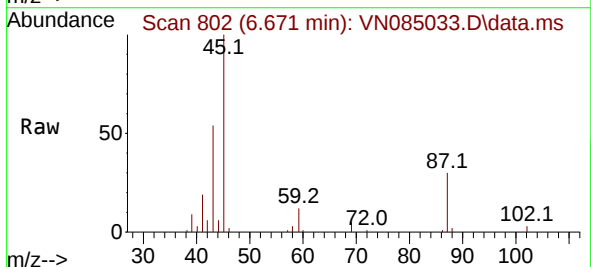
Ion Ratio Lower Upper

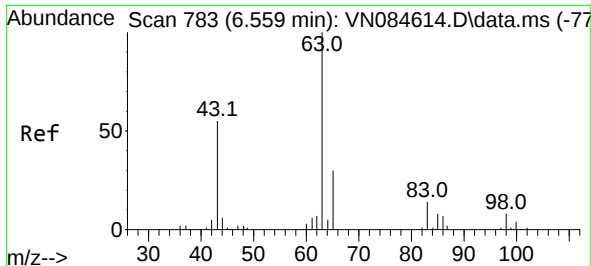
45 100

43 52.6 42.6 64.0

87 30.3 23.0 34.4

59 11.9 9.4 14.0





#21

1,1-Dichloroethane

Concen: 18.991 ug/l

RT: 6.559 min Scan# 71

Delta R.T. -0.000 min MSVOA\_N

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

ClientSampleId :

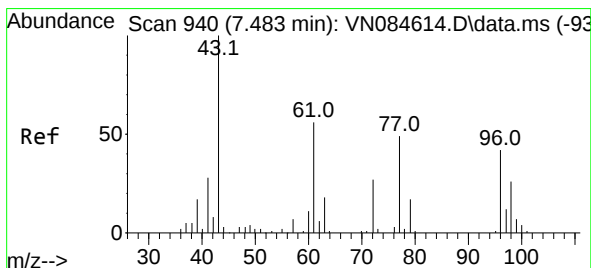
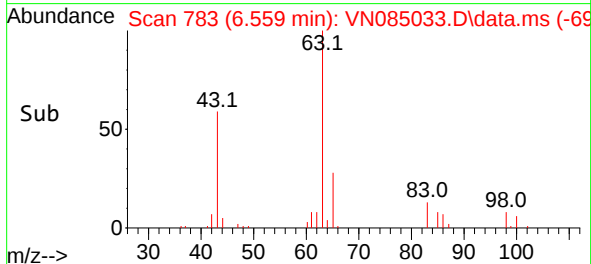
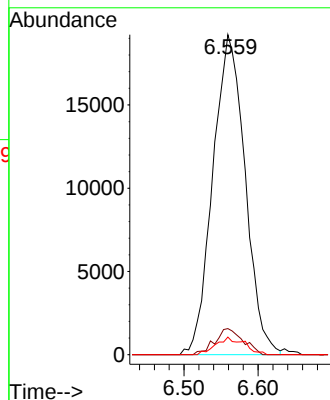
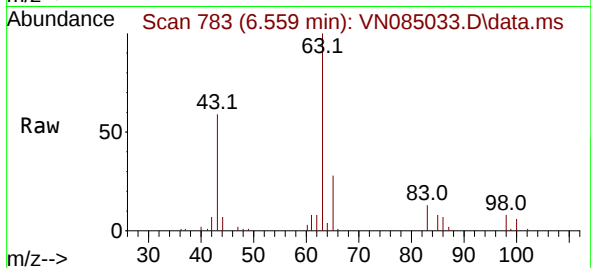
Tgt Ion: 63 Resp: 58172

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.4

100 5.5 1.9 5.7



#22

cis-1,2-Dichloroethene

Concen: 19.373 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

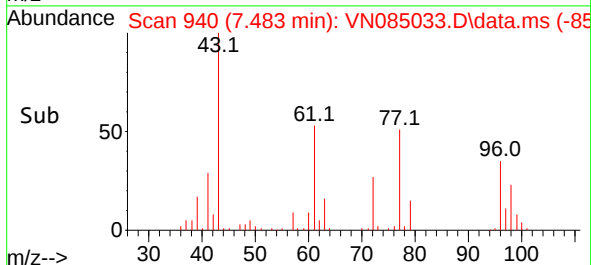
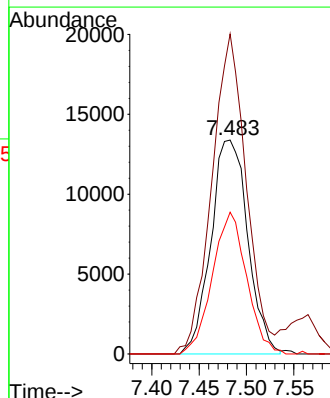
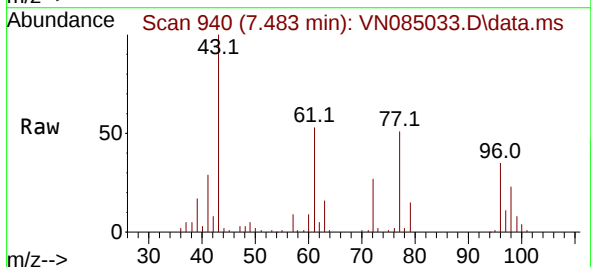
Tgt Ion: 96 Resp: 36200

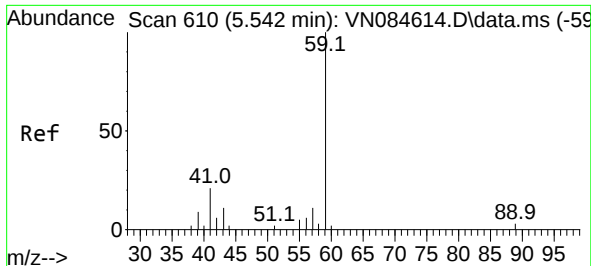
Ion Ratio Lower Upper

96 100

61 139.8 121.8 182.8

98 61.7 53.2 79.8

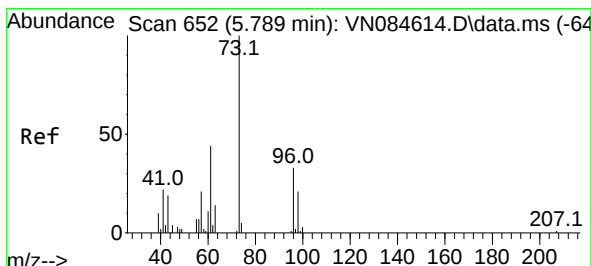
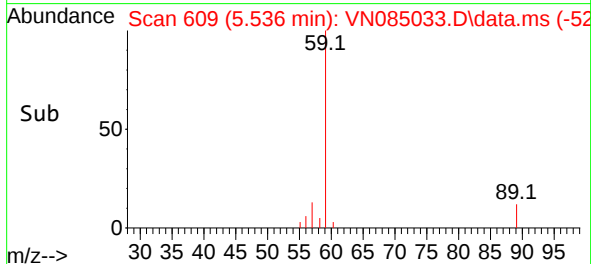
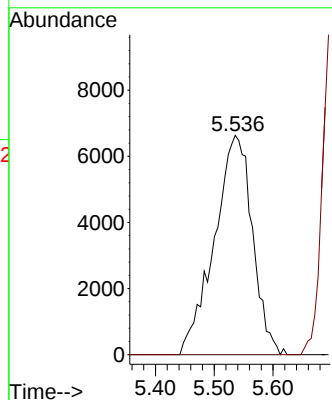
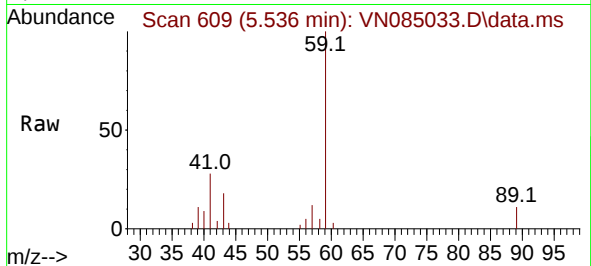




#23  
 tert-Butyl Alcohol  
 Concen: 112.198 ug/l  
 RT: 5.536 min Scan# 609  
 Delta R.T. -0.006 min  
 Lab File: VN085033.D  
 Acq: 25 Nov 2024 17:27

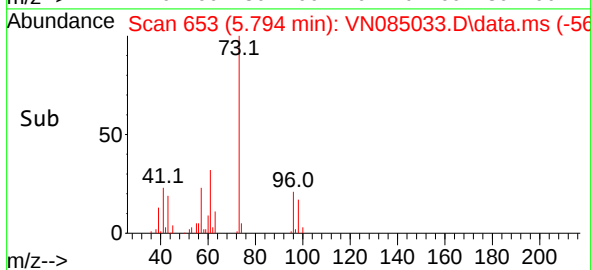
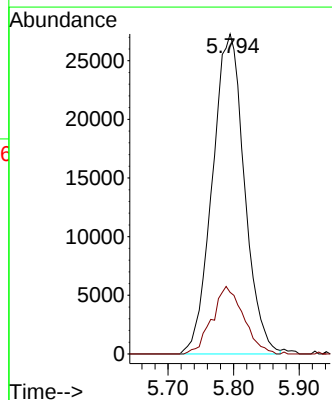
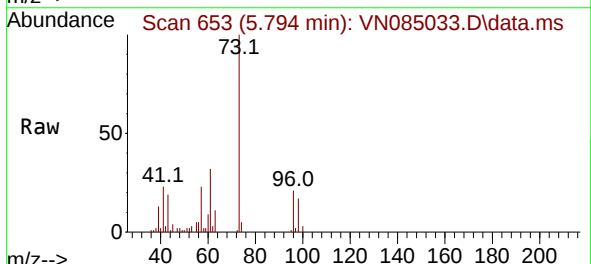
Instrument :  
 MSVOA\_N  
 ClientSampleId :

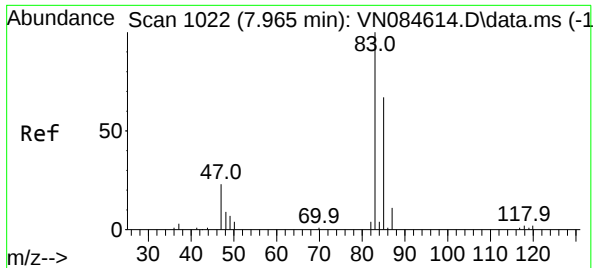
Tgt Ion: 59 Resp: 29825  
 Ion Ratio Lower Upper  
 59 100  
 52 0.0 0.0 0.0



#24  
 Methyl tert-Butyl Ether  
 Concen: 19.189 ug/l  
 RT: 5.794 min Scan# 653  
 Delta R.T. 0.006 min  
 Lab File: VN085033.D  
 Acq: 25 Nov 2024 17:27

Tgt Ion: 73 Resp: 92660  
 Ion Ratio Lower Upper  
 73 100  
 43 20.7 16.5 24.7





#25

Chloroform

Concen: 20.146 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

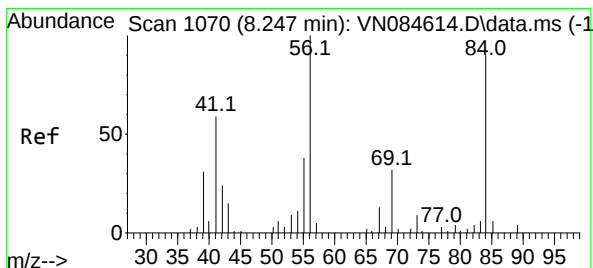
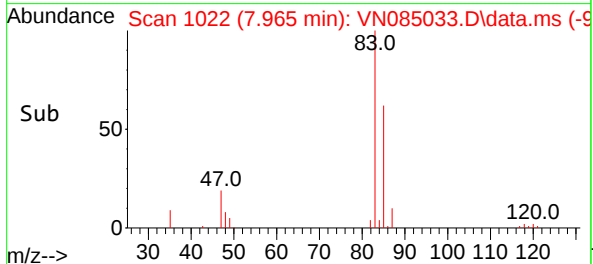
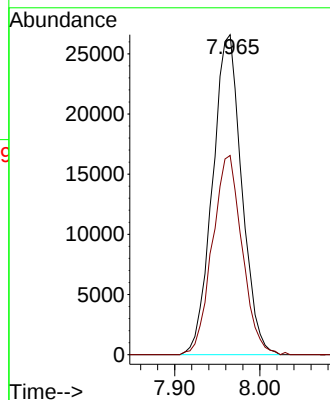
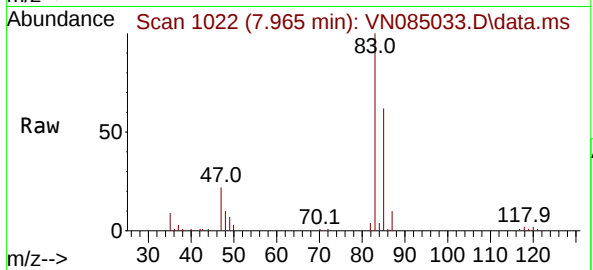
ClientSampleId :

Tgt Ion: 83 Resp: 63225

Ion Ratio Lower Upper

83 100

85 62.3 53.4 80.2



#26

Cyclohexane

Concen: 19.053 ug/l

RT: 8.247 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

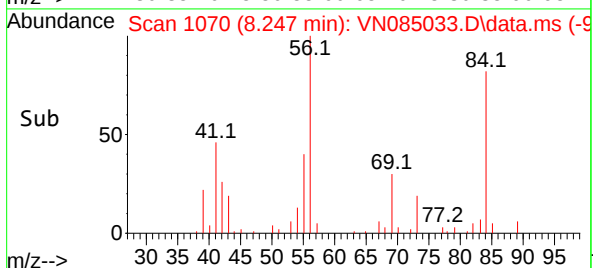
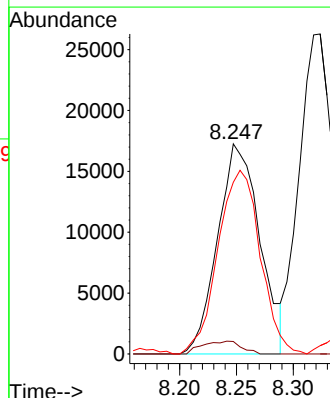
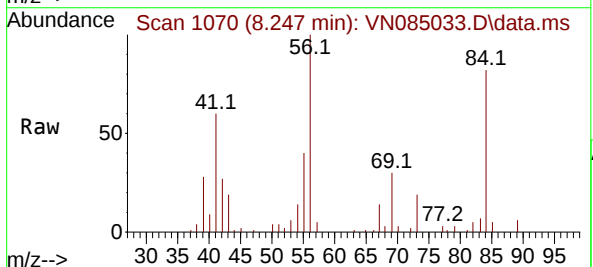
Tgt Ion: 56 Resp: 44580

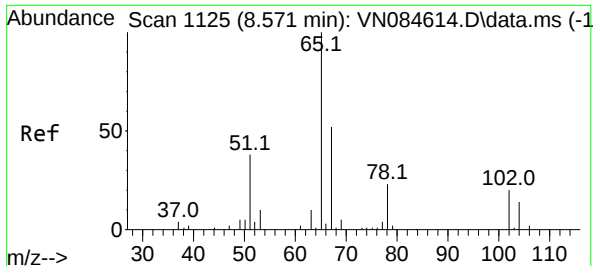
Ion Ratio Lower Upper

56 100

89 5.6 3.0 4.4#

84 87.5 70.6 106.0

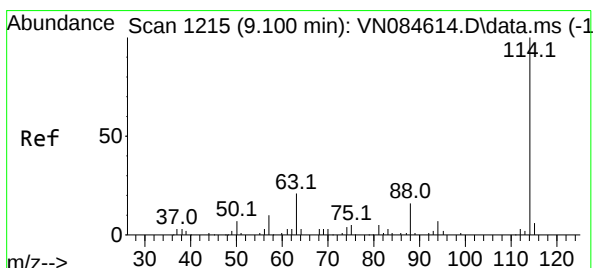
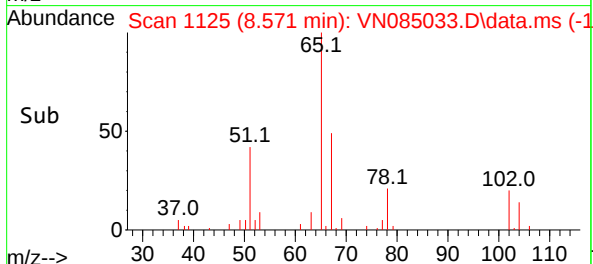
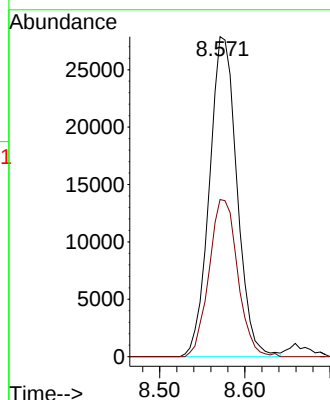
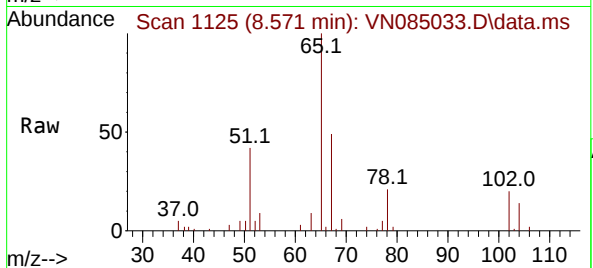




#27  
 1,2-Dichloroethane-d4  
 Concen: 30.485 ug/l  
 RT: 8.571 min Scan# 1125  
 Delta R.T. -0.000 min  
 Lab File: VN085033.D  
 Acq: 25 Nov 2024 17:27

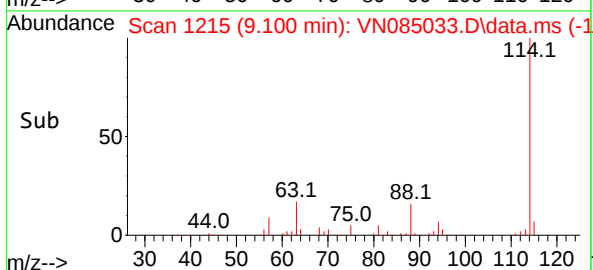
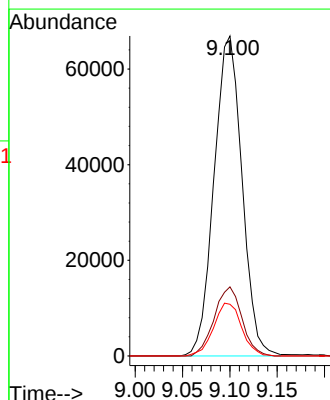
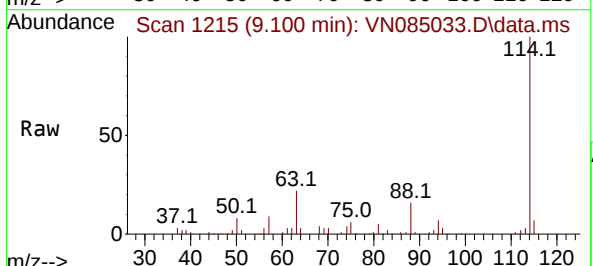
Instrument :  
 MSVOA\_N  
 ClientSampleId :

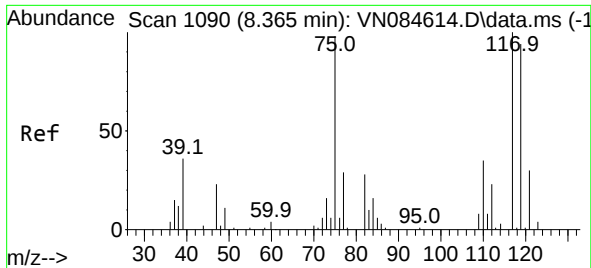
Tgt Ion: 65 Resp: 62795  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 40.7 61.1



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. -0.000 min  
 Lab File: VN085033.D  
 Acq: 25 Nov 2024 17:27

Tgt Ion: 114 Resp: 137355  
 Ion Ratio Lower Upper  
 114 100  
 63 21.4 16.8 25.2  
 88 16.6 12.9 19.3

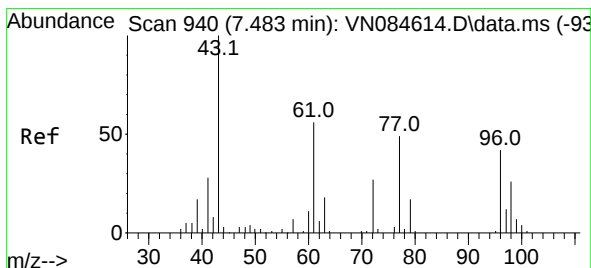
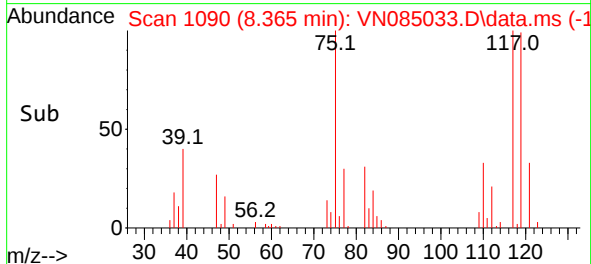
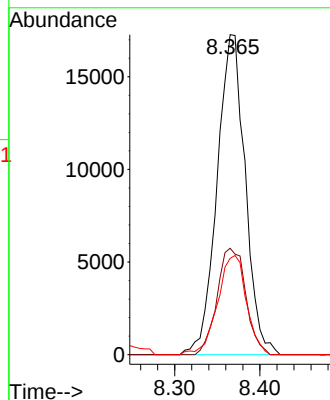
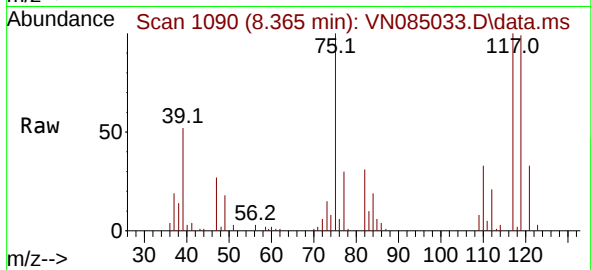




#29  
1,1-Dichloropropene  
Concen: 19.196 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

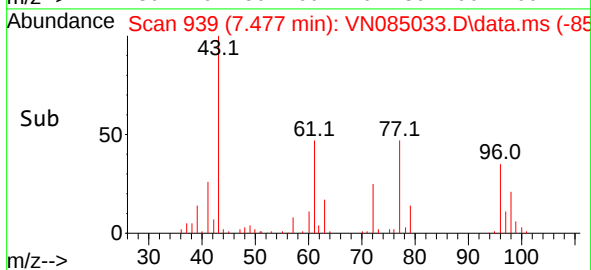
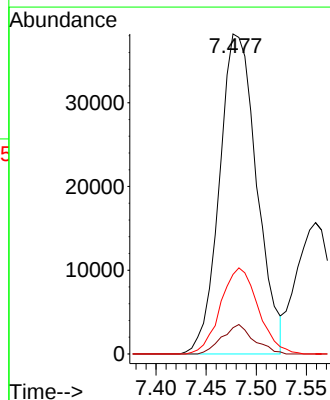
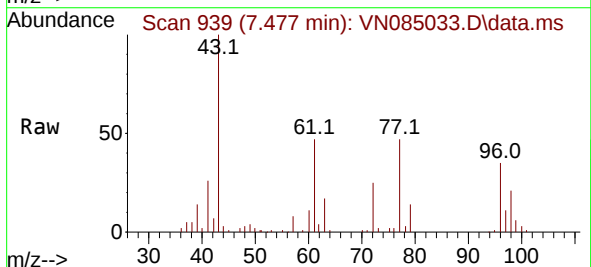
Instrument :  
MSVOA\_N  
ClientSampleId :

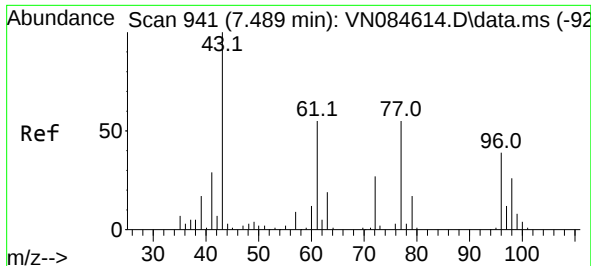
Tgt Ion: 75 Resp: 39714  
Ion Ratio Lower Upper  
75 100  
110 33.8 0.0 69.4  
77 31.2 0.0 62.0



#30  
2-Butanone  
Concen: 103.705 ug/l  
RT: 7.477 min Scan# 939  
Delta R.T. -0.006 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 43 Resp: 98968  
Ion Ratio Lower Upper  
43 100  
57 7.8 6.2 9.4  
72 27.1 21.5 32.3

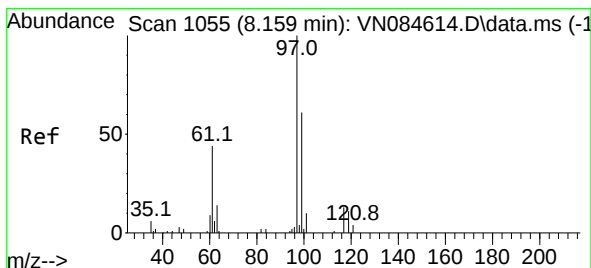
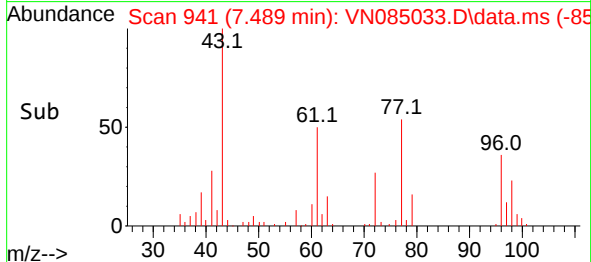
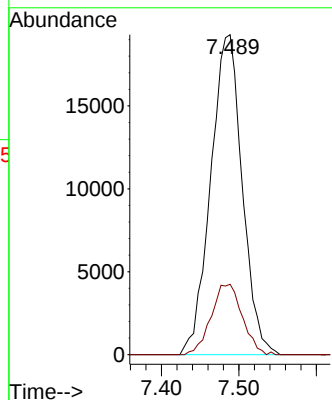
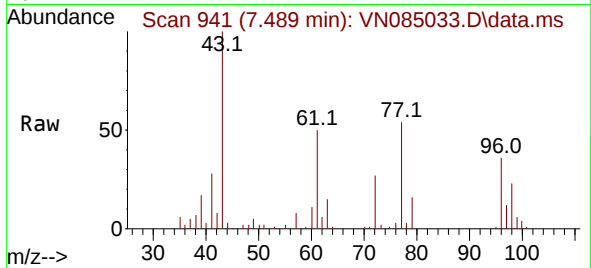




#31  
2,2-Dichloropropane  
Concen: 21.630 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

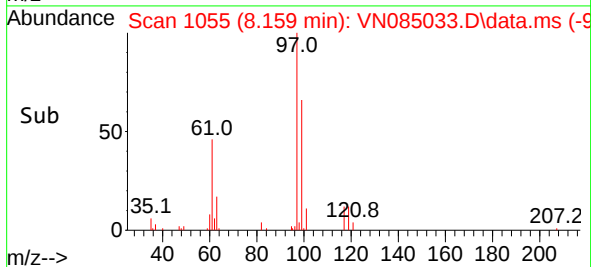
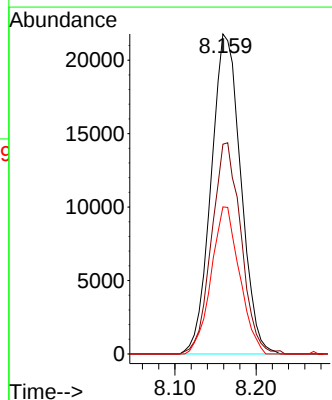
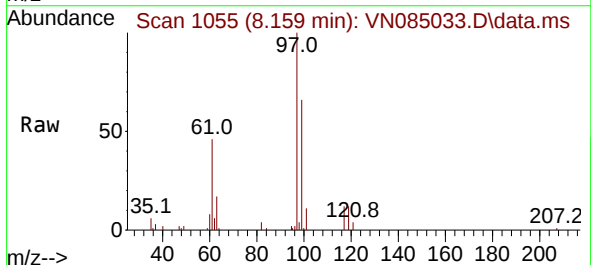
Instrument :  
MSVOA\_N  
ClientSampleId :

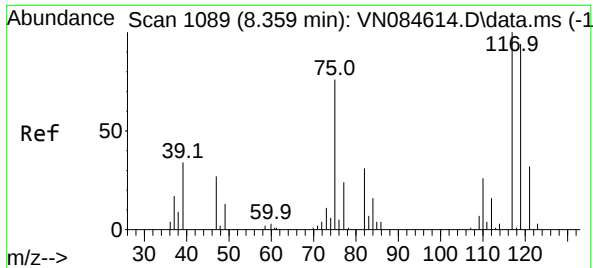
Tgt Ion: 77 Resp: 54625  
Ion Ratio Lower Upper  
77 100  
97 21.6 17.4 26.2



#32  
1,1,1-Trichloroethane  
Concen: 19.686 ug/l  
RT: 8.159 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 97 Resp: 55332  
Ion Ratio Lower Upper  
97 100  
99 64.9 51.6 77.4  
61 43.9 34.2 51.4

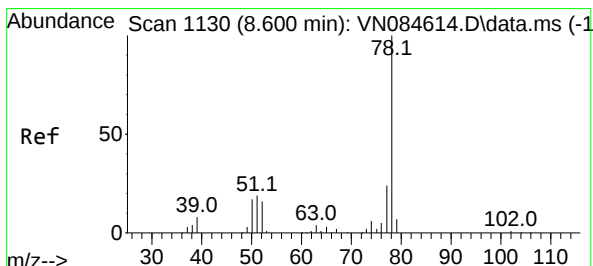
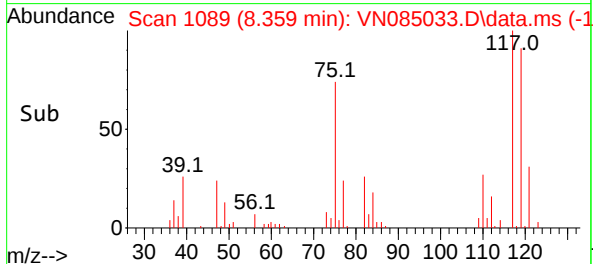
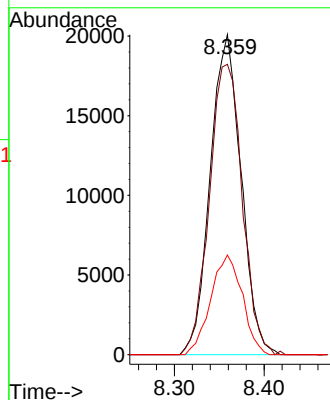
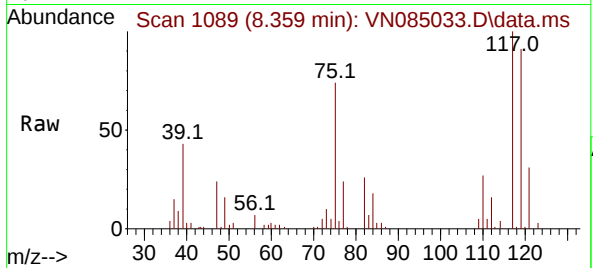




#33  
Carbon Tetrachloride  
Concen: 20.033 ug/l  
RT: 8.359 min Scan# 1108  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

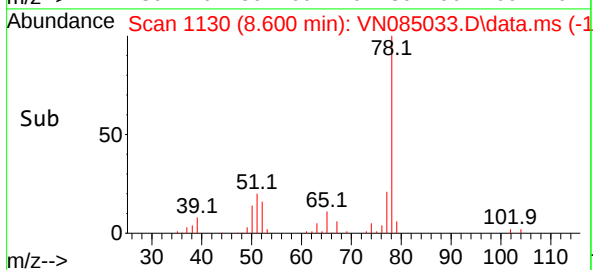
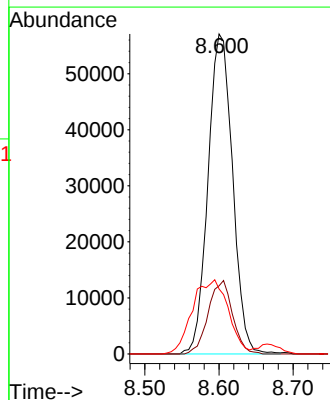
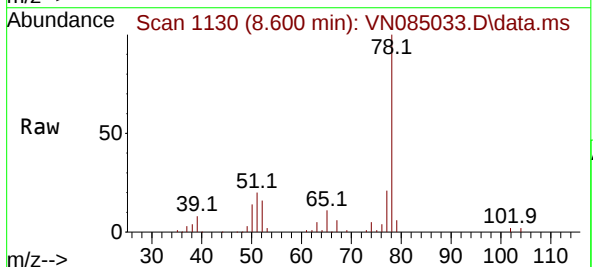
Instrument :  
MSVOA\_N  
ClientSampleId :

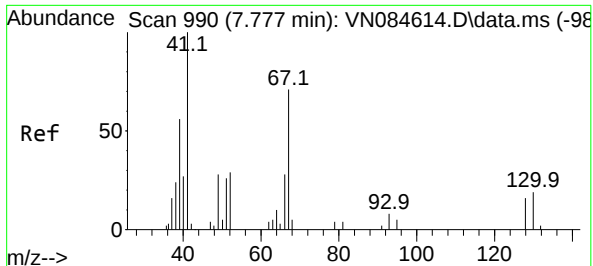
Tgt Ion:117 Resp: 48046  
Ion Ratio Lower Upper  
117 100  
119 90.8 75.7 113.5  
121 31.2 25.4 38.0



#34  
Benzene  
Concen: 19.234 ug/l  
RT: 8.600 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 78 Resp: 131526  
Ion Ratio Lower Upper  
78 100  
77 21.3 19.3 28.9  
51 18.3 16.1 24.1





#35

Methacrylonitrile

Concen: 18.065 ug/l

RT: 7.771 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

ClientSampleId :

Tgt Ion: 41 Resp: 20433

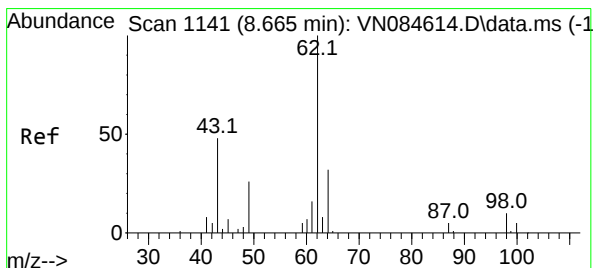
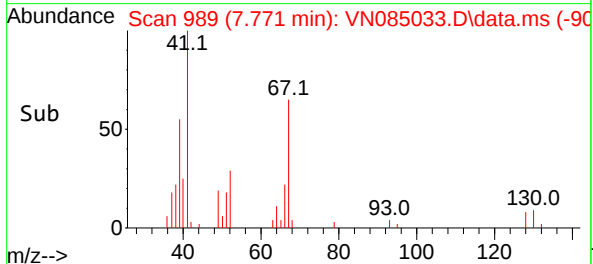
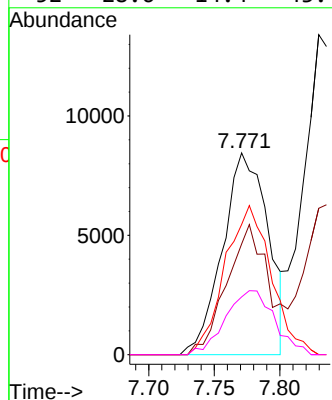
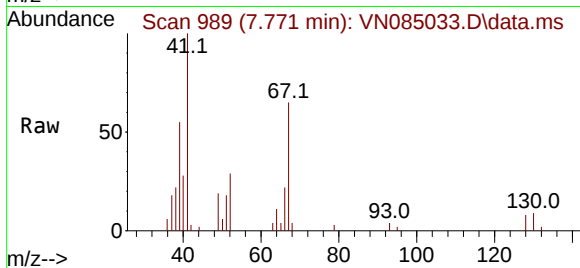
Ion Ratio Lower Upper

41 100

39 54.9 28.2 84.6

67 64.6 35.6 106.8

52 28.6 14.4 43.4



#36

1,2-Dichloroethane

Concen: 20.108 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN085033.D

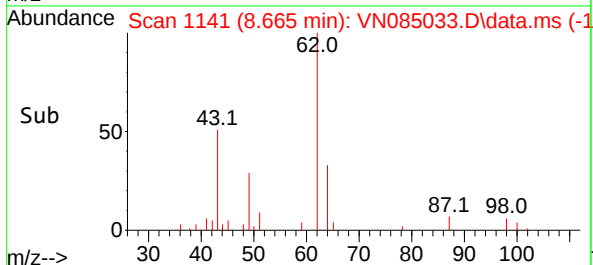
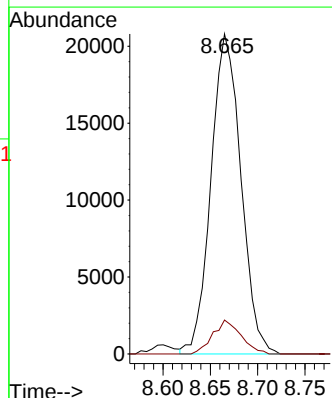
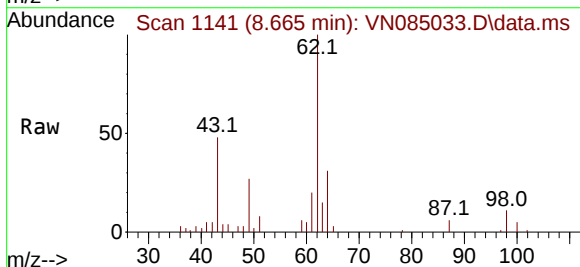
Acq: 25 Nov 2024 17:27

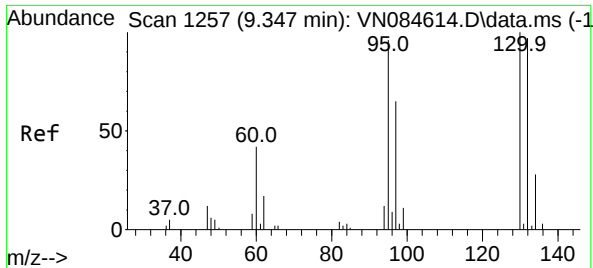
Tgt Ion: 62 Resp: 45727

Ion Ratio Lower Upper

62 100

98 10.0 7.8 11.6

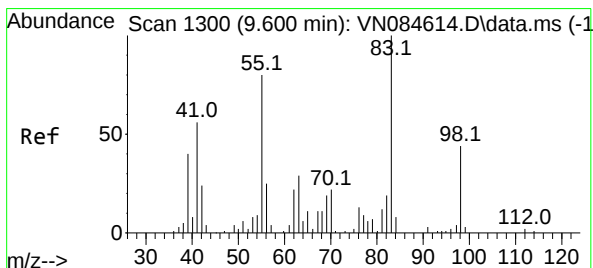
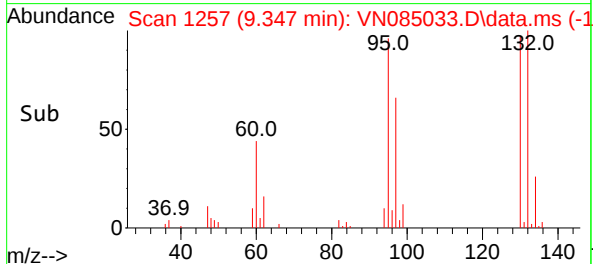
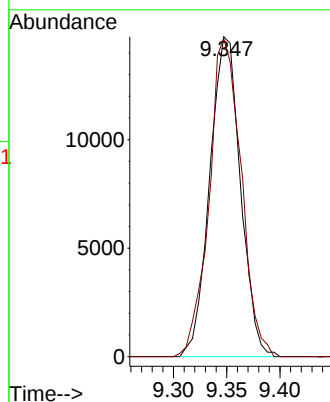
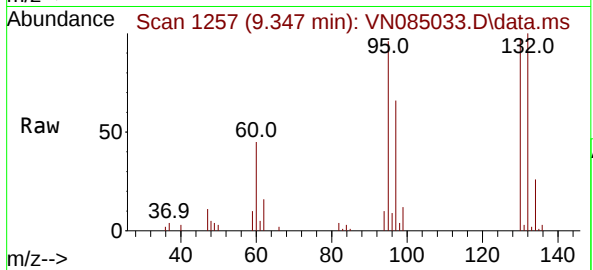




#37  
Trichloroethene  
Concen: 19.171 ug/l  
RT: 9.347 min Scan# 1257  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

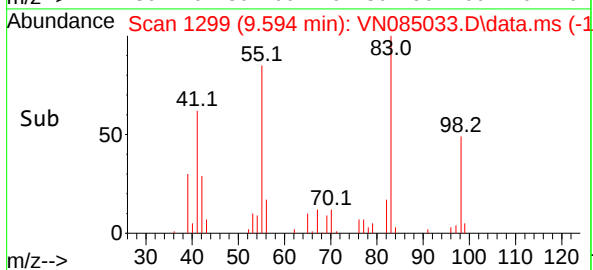
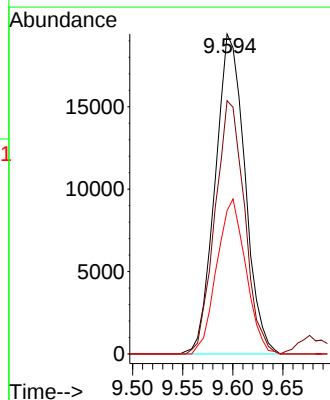
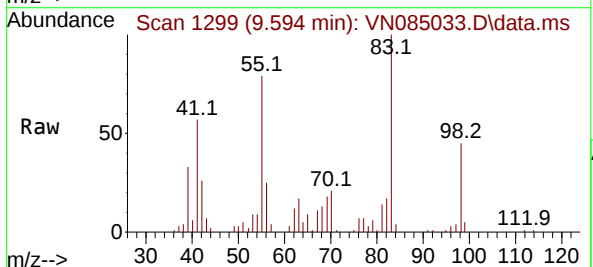
Instrument :  
MSVOA\_N  
ClientSampleId :

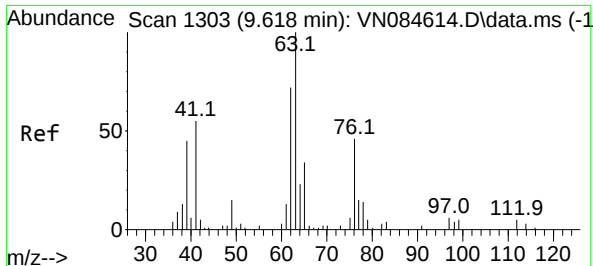
Tgt Ion:130 Resp: 29575  
Ion Ratio Lower Upper  
130 100  
95 99.5 76.6 115.0



#38  
Methylcyclohexane  
Concen: 17.989 ug/l  
RT: 9.594 min Scan# 1299  
Delta R.T. -0.006 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 83 Resp: 40065  
Ion Ratio Lower Upper  
83 100  
55 78.5 39.6 118.8  
98 47.4 23.2 69.5





#39

1,2-Dichloropropane

Concen: 19.186 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

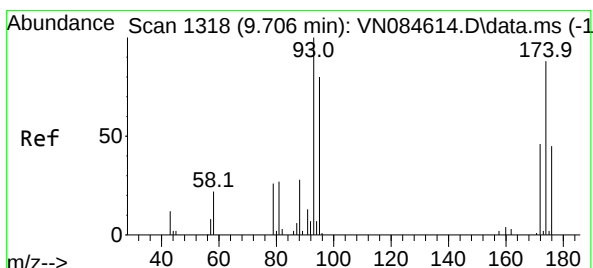
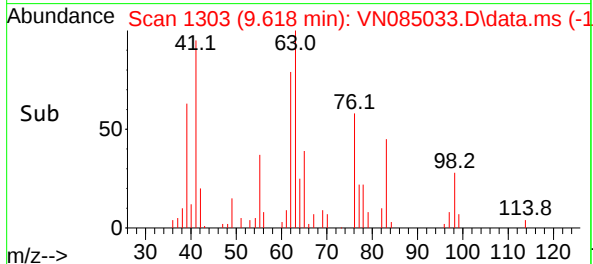
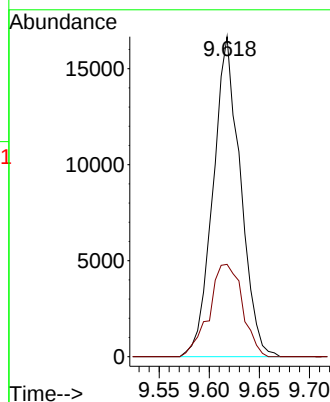
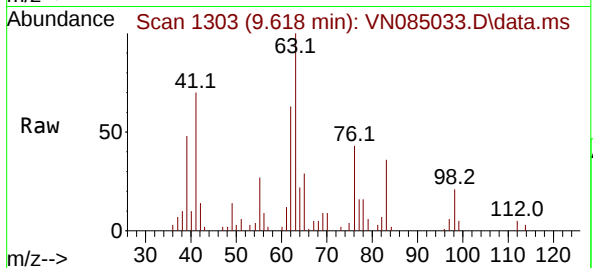
ClientSampleId :

Tgt Ion: 63 Resp: 31583

Ion Ratio Lower Upper

63 100

65 28.9 27.8 41.8



#40

Dibromomethane

Concen: 20.245 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

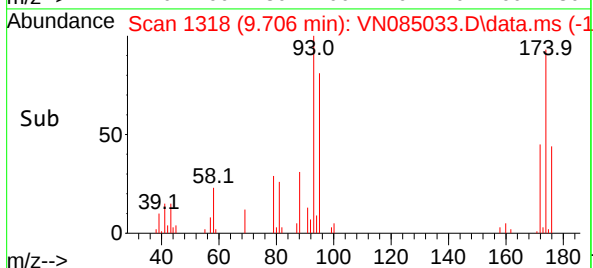
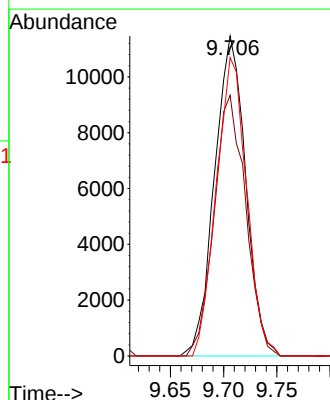
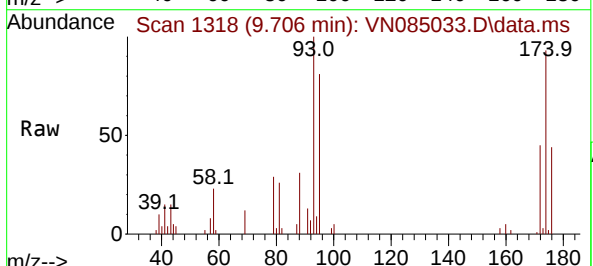
Tgt Ion: 93 Resp: 23314

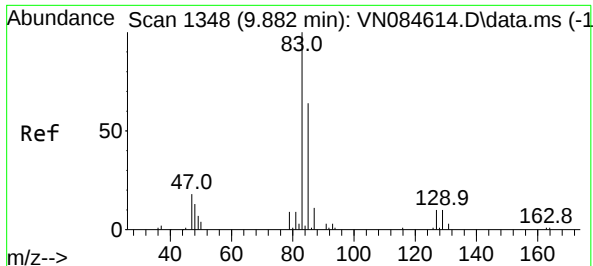
Ion Ratio Lower Upper

93 100

95 82.5 0.0 168.4

174 90.9 0.0 183.4

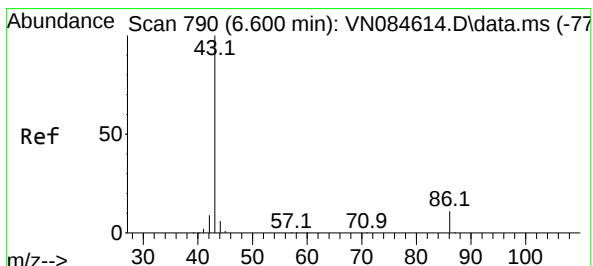
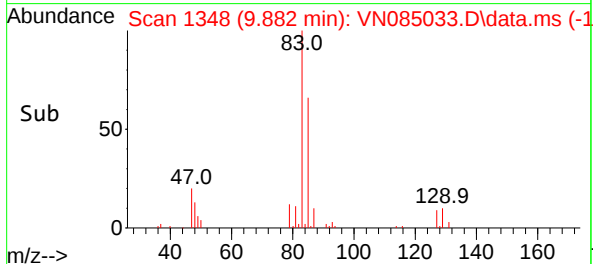
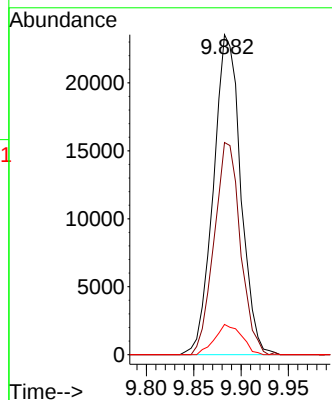
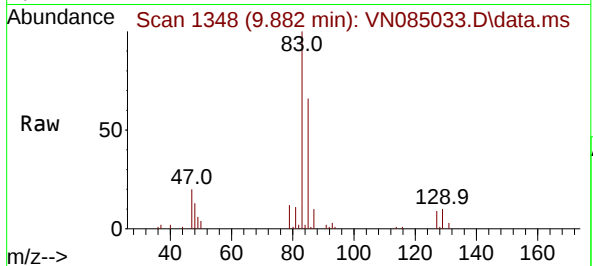




#41  
Bromodichloromethane  
Concen: 19.130 ug/l  
RT: 9.882 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

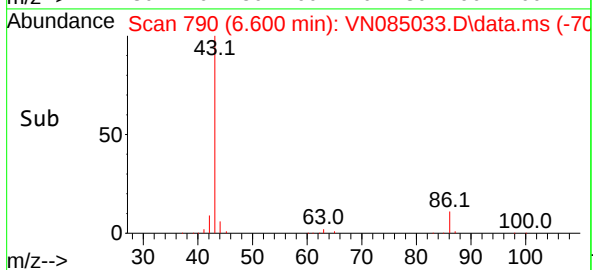
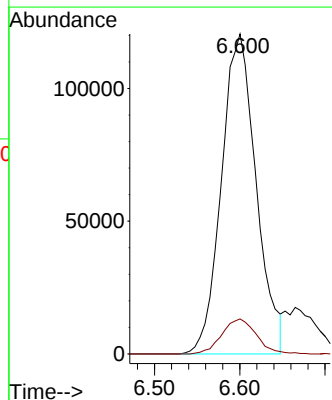
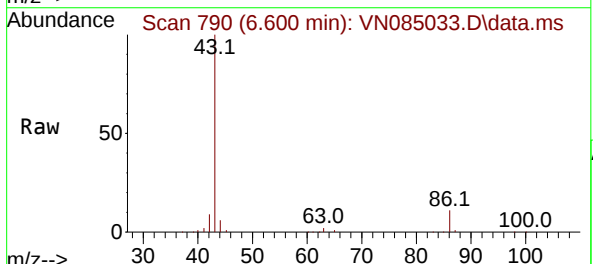
Instrument :  
MSVOA\_N  
ClientSampleId :

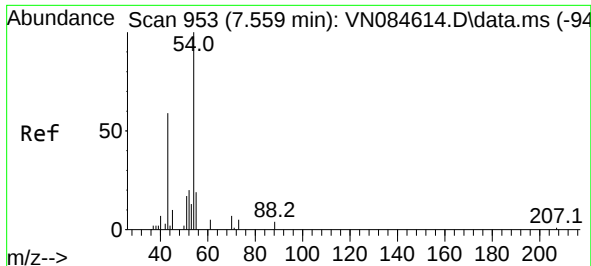
Tgt Ion: 83 Resp: 47227  
Ion Ratio Lower Upper  
83 100  
85 66.3 51.0 76.6  
127 9.5 7.8 11.6



#42  
Vinyl Acetate  
Concen: 95.625 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 43 Resp: 341106  
Ion Ratio Lower Upper  
43 100  
86 10.9 8.6 13.0

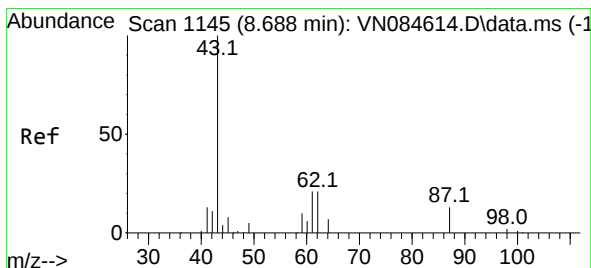
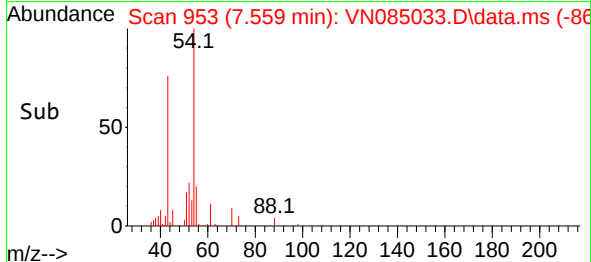
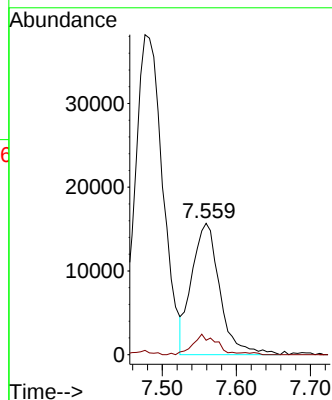
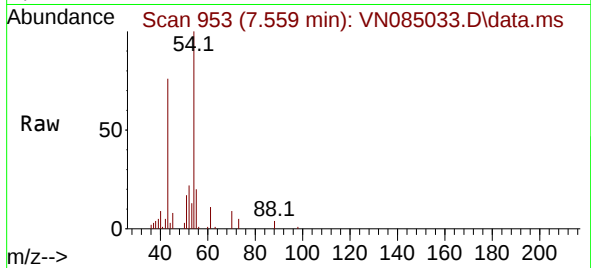




#43  
Ethyl Acetate  
Concen: 20.584 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

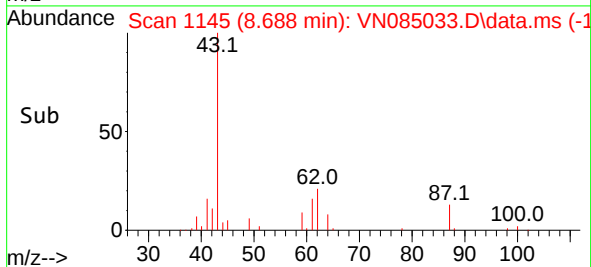
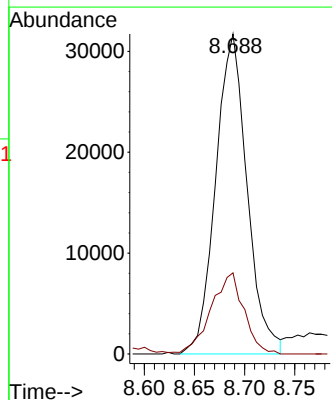
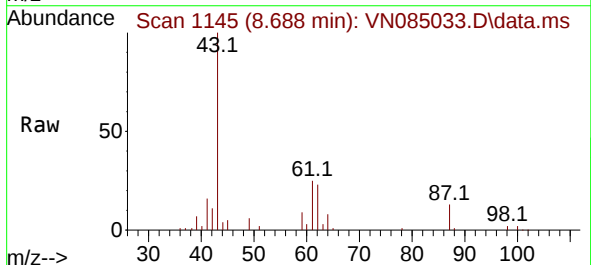
Instrument :  
MSVOA\_N  
ClientSampleId :

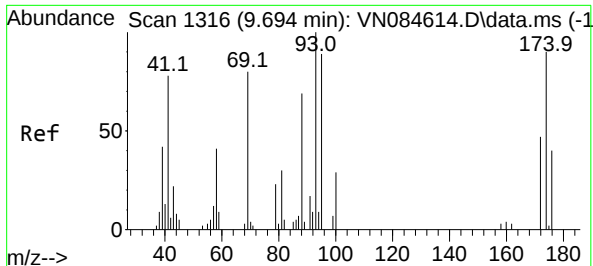
Tgt Ion: 43 Resp: 41277  
Ion Ratio Lower Upper  
43 100  
45 12.8 11.0 16.4



#44  
Isopropyl Acetate  
Concen: 16.992 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 43 Resp: 68995  
Ion Ratio Lower Upper  
43 100  
61 26.5 19.8 29.8

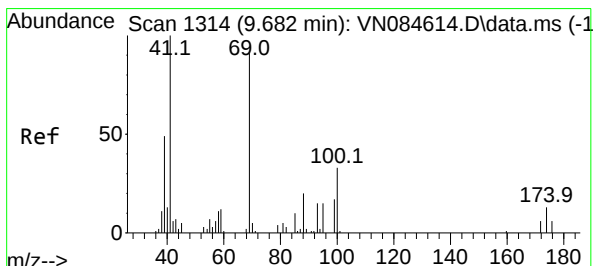
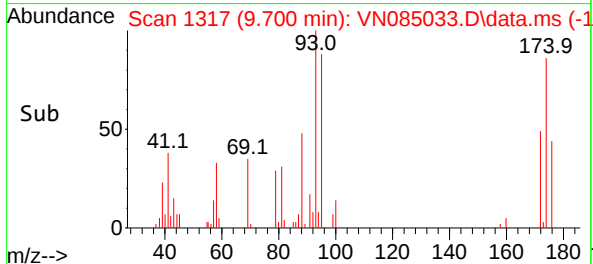
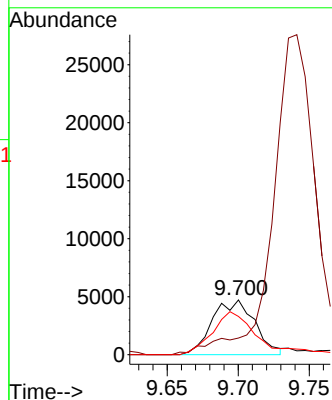
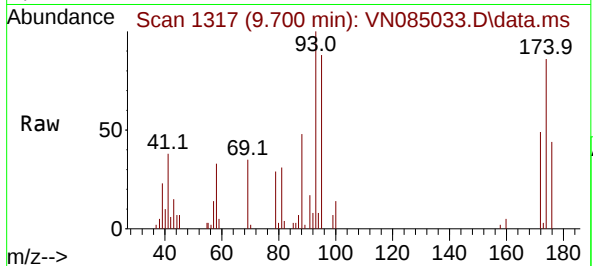




#45  
1,4-Dioxane  
Concen: 361.582 ug/l  
RT: 9.700 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

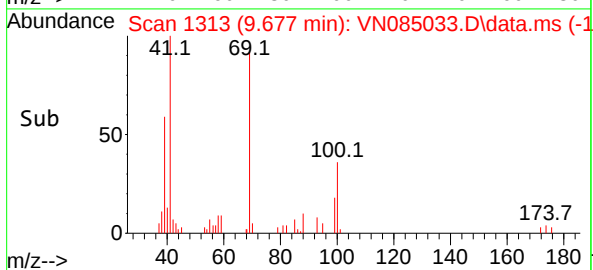
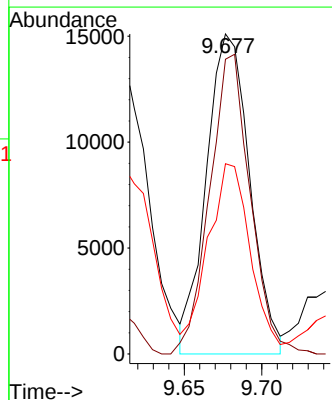
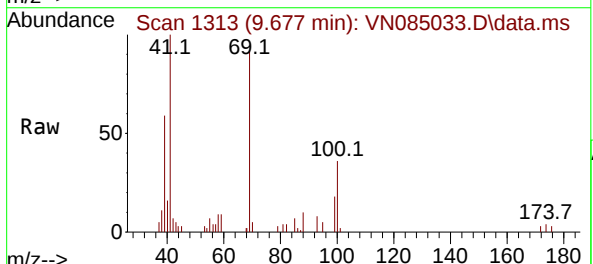
Instrument :  
MSVOA\_N  
ClientSampleId :

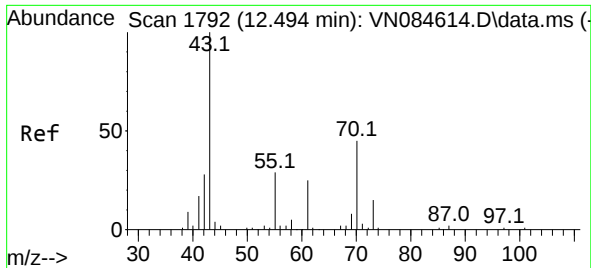
Tgt Ion: 88 Resp: 9802  
Ion Ratio Lower Upper  
88 100  
43 20.6 20.8 31.2#  
58 75.1 53.4 80.2



#46  
Methyl methacrylate  
Concen: 18.017 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. -0.006 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 41 Resp: 29399  
Ion Ratio Lower Upper  
41 100  
69 93.8 43.4 130.2  
39 59.8 24.7 74.1

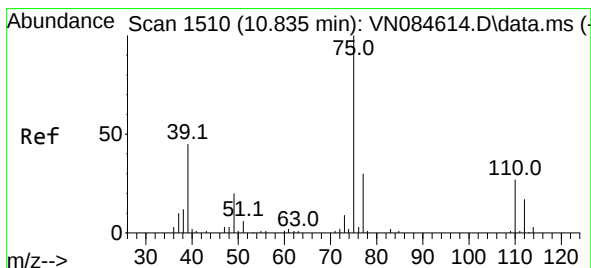
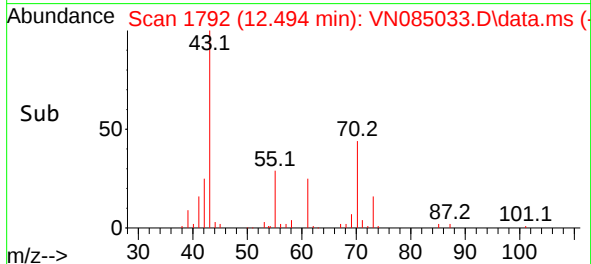
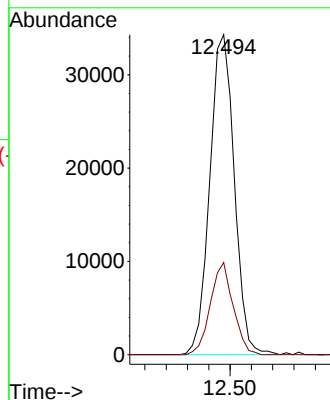
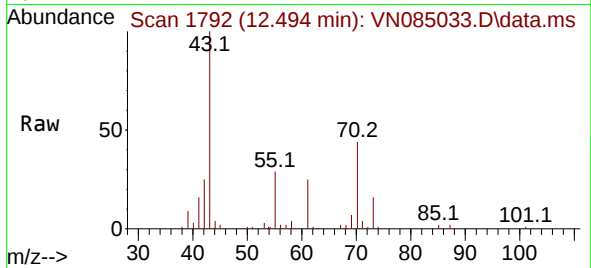




#47  
n-amyl acetate  
Concen: 18.045 ug/l  
RT: 12.494 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

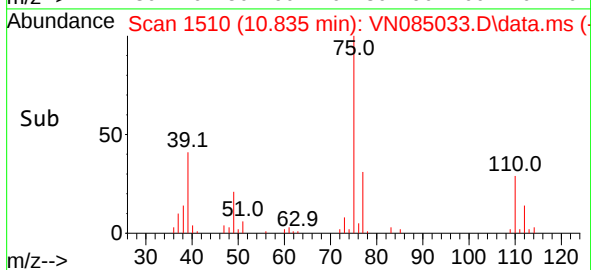
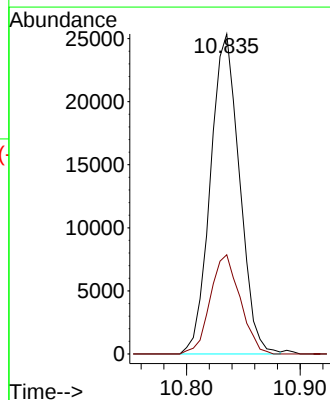
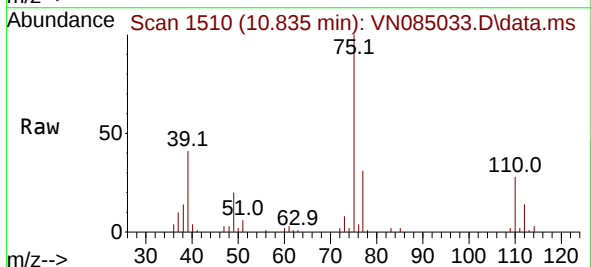
Instrument :  
MSVOA\_N  
ClientSampleId :

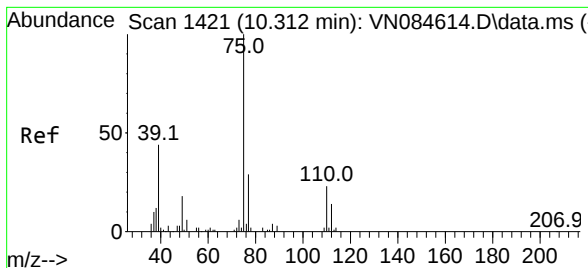
Tgt Ion: 43 Resp: 54723  
Ion Ratio Lower Upper  
43 100  
55 26.7 22.0 33.0



#48  
t-1,3-Dichloropropene  
Concen: 18.518 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 75 Resp: 45141  
Ion Ratio Lower Upper  
75 100  
77 31.0 24.4 36.6





#49

cis-1,3-Dichloropropene

Concen: 18.575 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.006 min

Lab File: VN085033.D

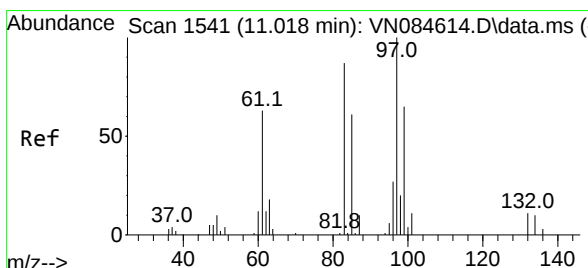
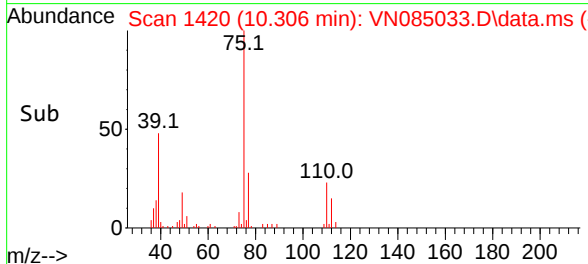
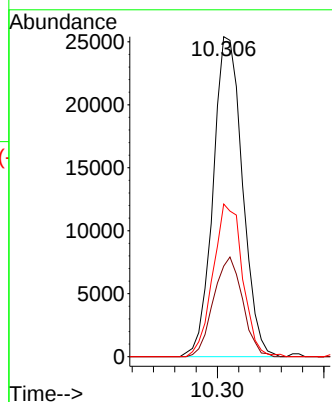
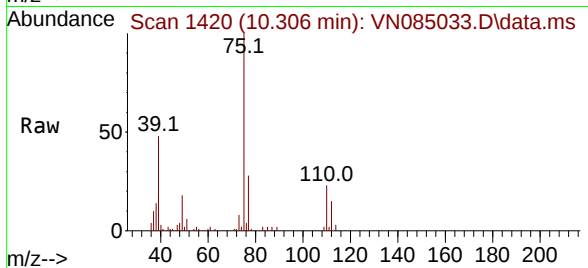
Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 48530 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 28.3  | 23.4  | 35.2  |
| 39        | 47.7  | 35.4  | 53.2  |



#50

1,1,2-Trichloroethane

Concen: 19.861 ug/l

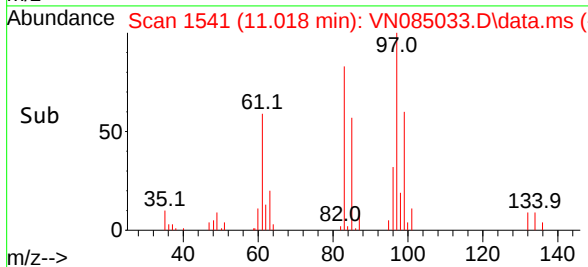
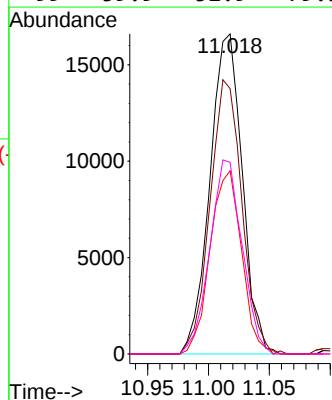
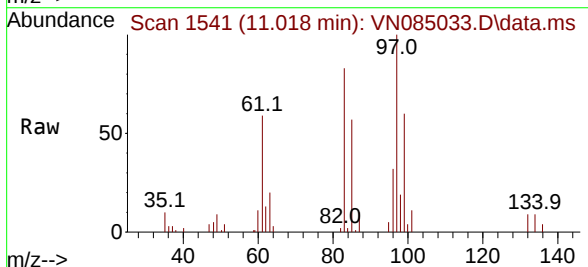
RT: 11.018 min Scan# 1541

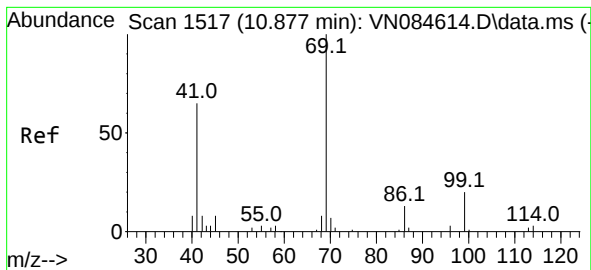
Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 30679 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 83        | 82.9  | 69.8  | 104.8 |
| 85        | 57.2  | 48.6  | 73.0  |
| 99        | 59.9  | 52.9  | 79.3  |

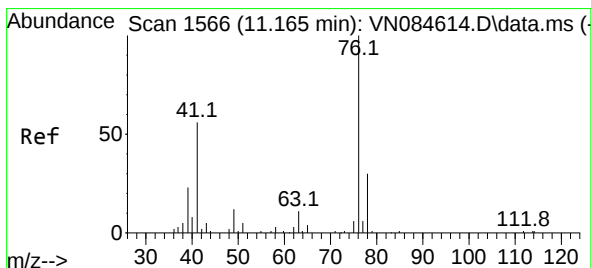
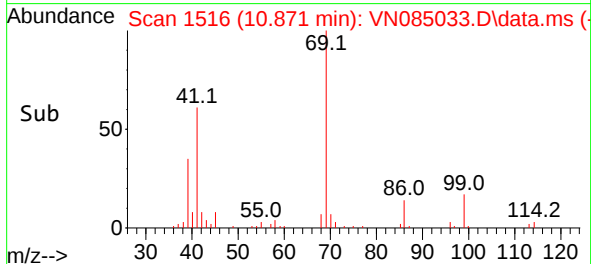
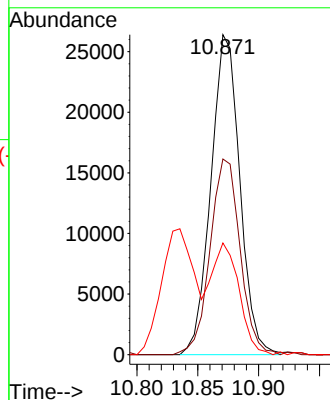
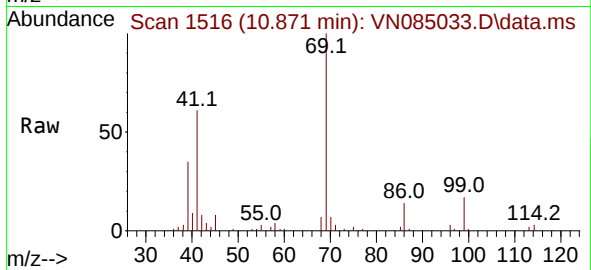




#51  
Ethyl methacrylate  
Concen: 18.337 ug/l  
RT: 10.871 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

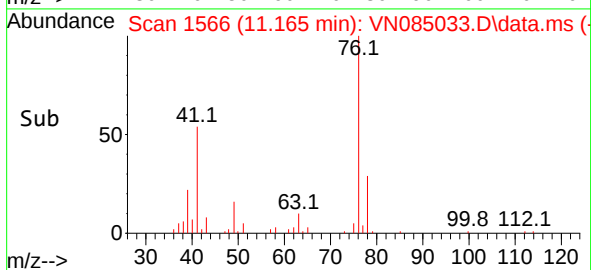
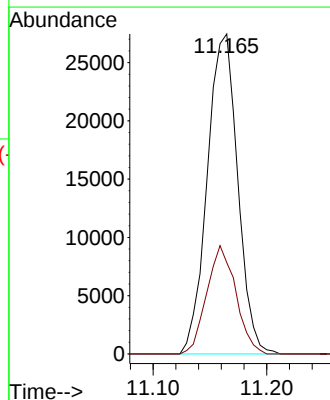
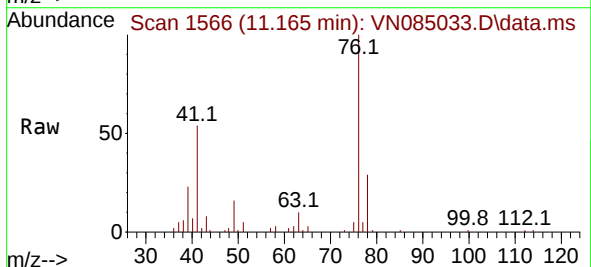
Instrument :  
MSVOA\_N  
ClientSampleId :

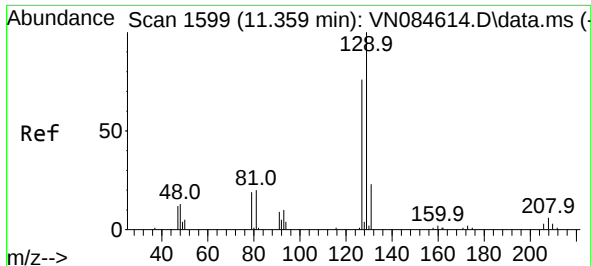
Tgt Ion: 69 Resp: 43660  
Ion Ratio Lower Upper  
69 100  
41 61.1 32.8 98.3  
39 34.0 15.4 46.1



#52  
1,3-Dichloropropane  
Concen: 19.081 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 76 Resp: 51161  
Ion Ratio Lower Upper  
76 100  
78 32.3 0.0 64.0

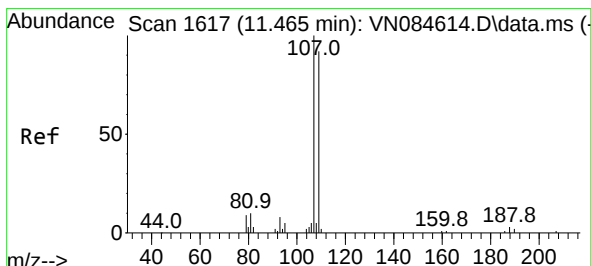
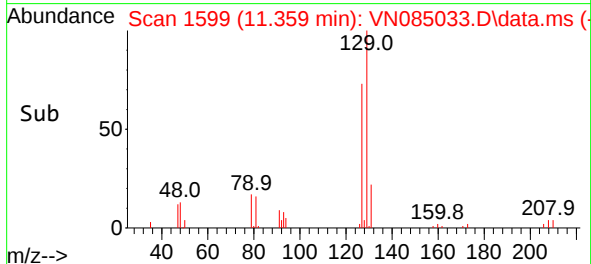
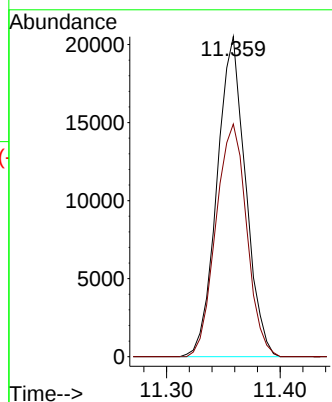
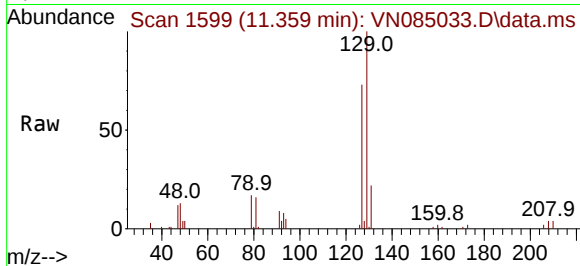




#53  
Dibromochloromethane  
Concen: 19.832 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

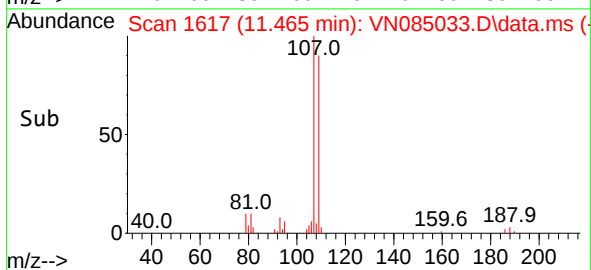
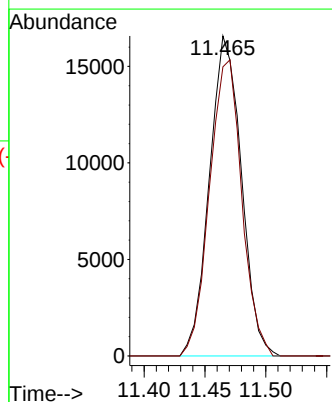
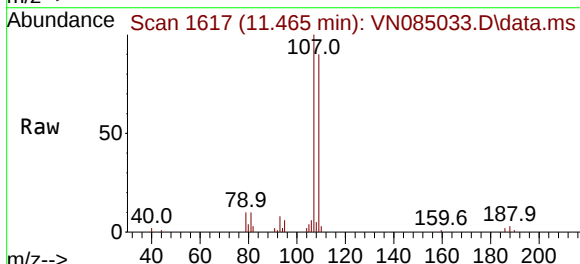
Instrument :  
MSVOA\_N  
ClientSampleId :

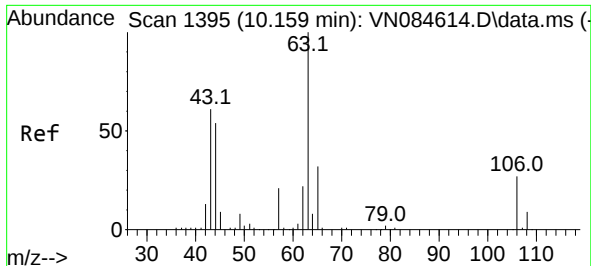
Tgt Ion:129 Resp: 35850  
Ion Ratio Lower Upper  
129 100  
127 78.2 39.6 119.0



#54  
1,2-Dibromoethane  
Concen: 19.373 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion:107 Resp: 30266  
Ion Ratio Lower Upper  
107 100  
109 93.4 73.4 110.0

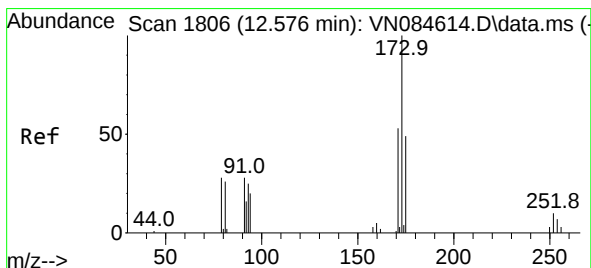
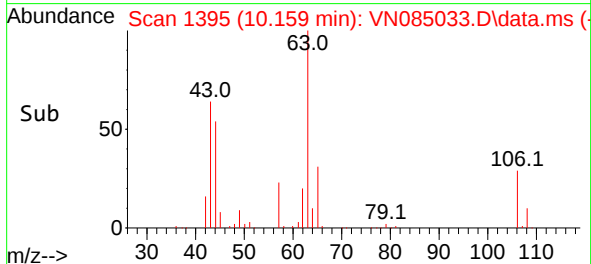
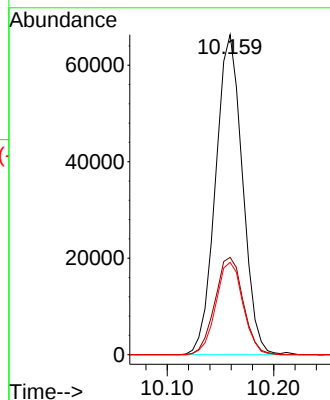
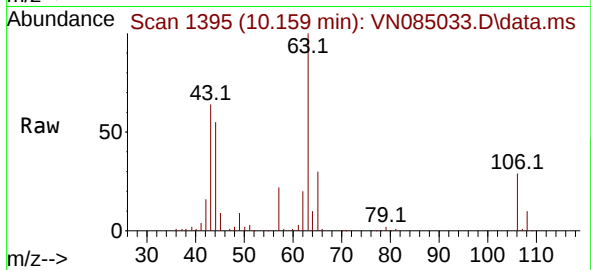




#55  
2-Chloroethyl vinyl ether  
Concen: 99.557 ug/l  
RT: 10.159 min Scan# 116217  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

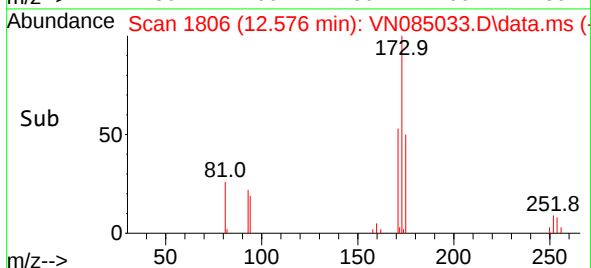
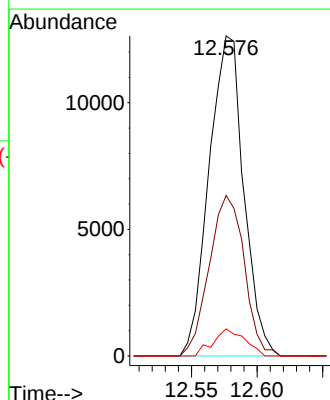
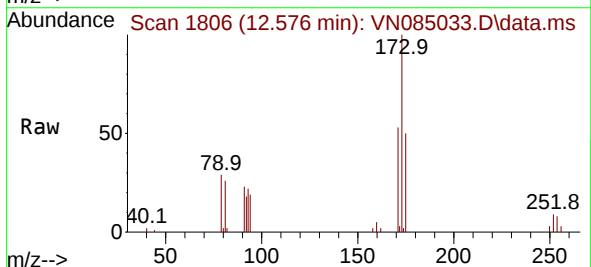
Instrument :  
MSVOA\_N  
ClientSampleId :

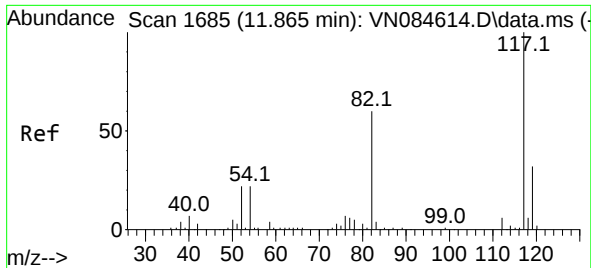
Tgt Ion: 63 Resp: 116217  
Ion Ratio Lower Upper  
63 100  
65 31.9 25.5 38.3  
106 29.1 22.3 33.5



#56  
Bromoform  
Concen: 19.159 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion:173 Resp: 23214  
Ion Ratio Lower Upper  
173 100  
175 50.6 39.4 59.2  
254 7.7 6.4 9.6

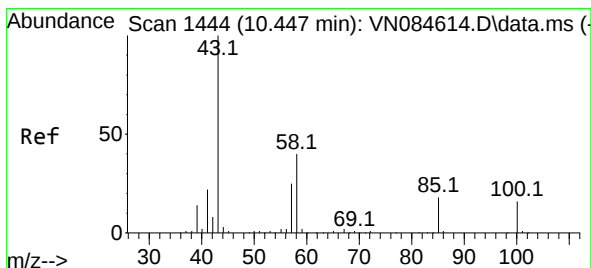
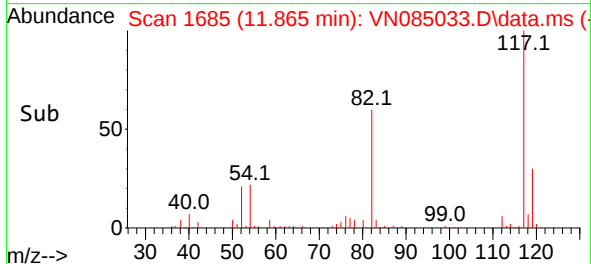
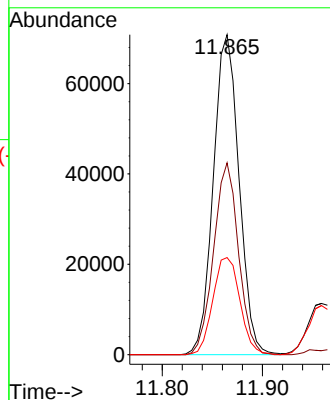
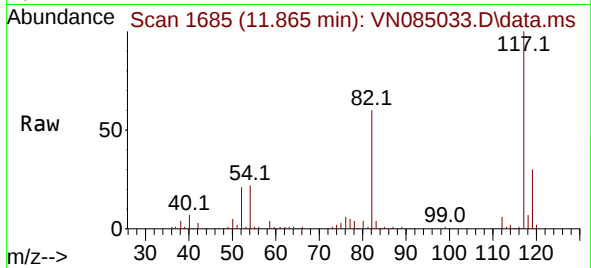




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

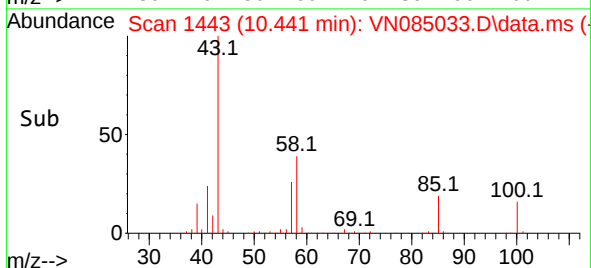
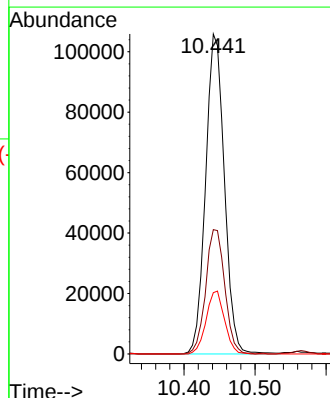
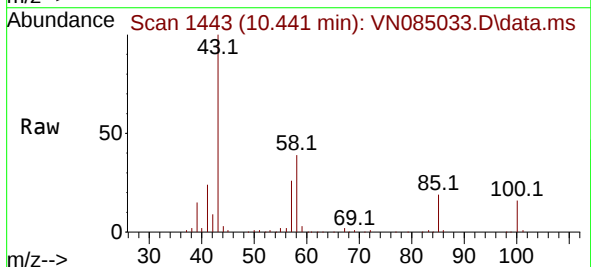
Instrument :  
MSVOA\_N  
ClientSampleId :

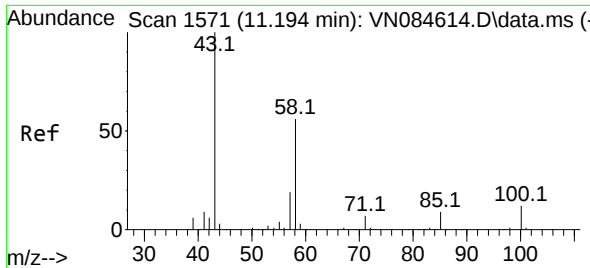
Tgt Ion:117 Resp: 126045  
Ion Ratio Lower Upper  
117 100  
82 58.1 45.5 68.3  
119 32.0 25.3 37.9



#58  
4-Methyl-2-Pentanone  
Concen: 97.964 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 43 Resp: 194803  
Ion Ratio Lower Upper  
43 100  
58 39.5 31.2 46.8  
85 19.2 14.9 22.3

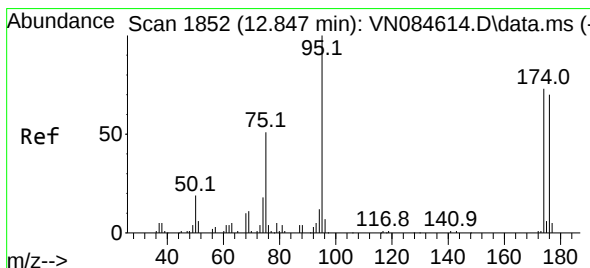
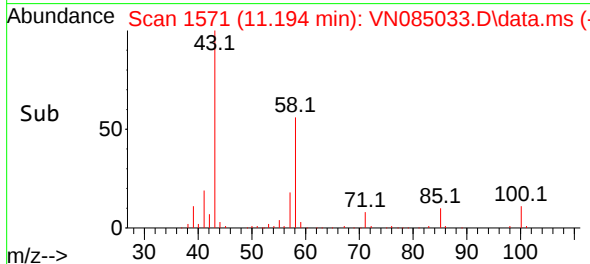
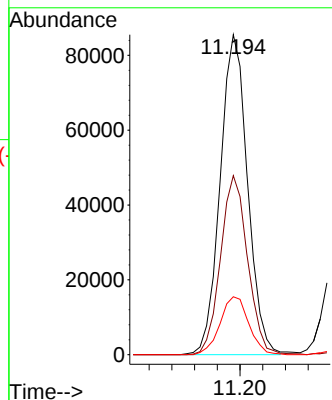
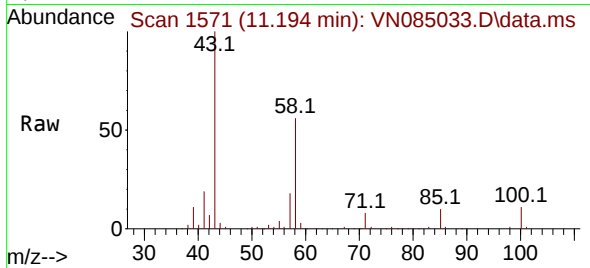




#59  
2-Hexanone  
Concen: 98.306 ug/l  
RT: 11.194 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

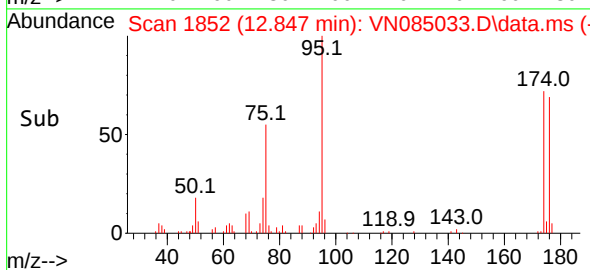
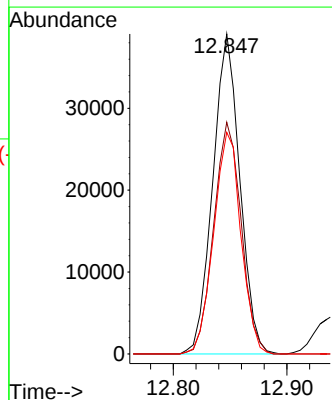
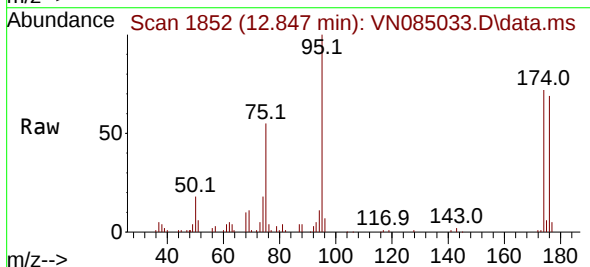
Instrument :  
MSVOA\_N  
ClientSampleId :

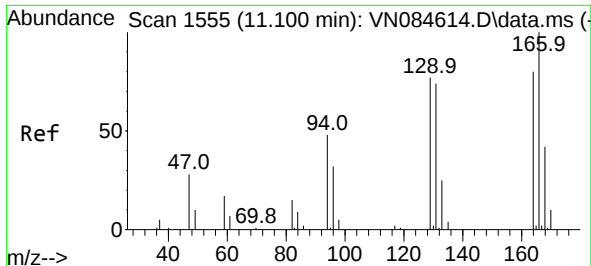
Tgt Ion: 43 Resp: 143144  
Ion Ratio Lower Upper  
43 100  
58 55.3 43.8 65.6  
57 19.0 15.0 22.6



#60  
4-Bromofluorobenzene  
Concen: 29.786 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

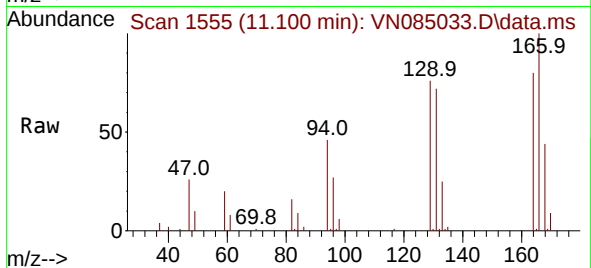
Tgt Ion: 95 Resp: 64645  
Ion Ratio Lower Upper  
95 100  
174 73.6 59.6 89.4  
176 70.0 58.6 88.0



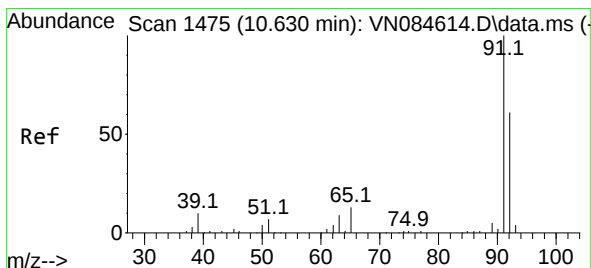
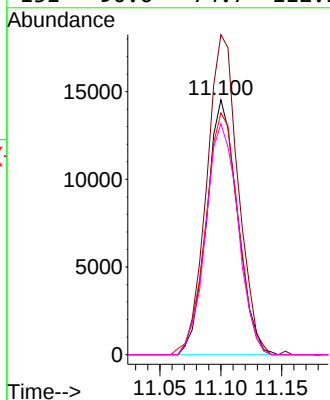
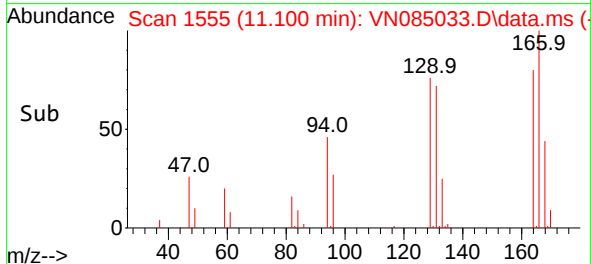


#61  
Tetrachloroethene  
Concen: 19.478 ug/l  
RT: 11.100 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Instrument :  
MSVOA\_N  
ClientSampleId :

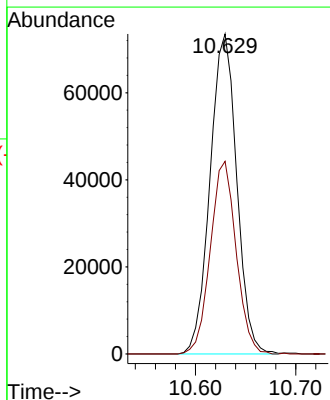
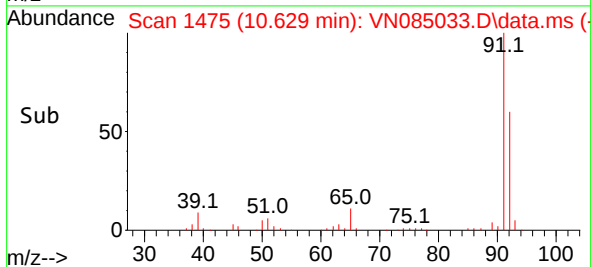
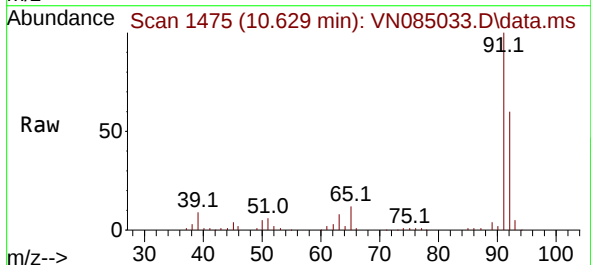


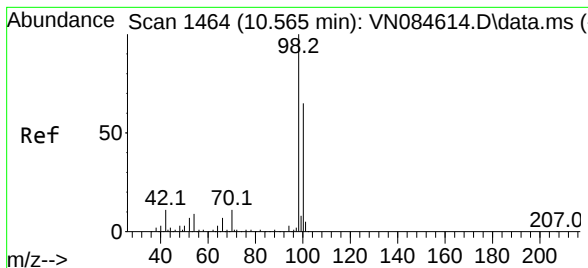
Tgt Ion:164 Resp: 25694  
Ion Ratio Lower Upper  
164 100  
166 125.6 100.5 150.7  
129 94.9 77.7 116.5  
131 90.6 74.7 112.1



#62  
Toluene  
Concen: 18.912 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 91 Resp: 135769  
Ion Ratio Lower Upper  
91 100  
92 58.1 47.5 71.3





#63

Toluene-d8

Concen: 29.785 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

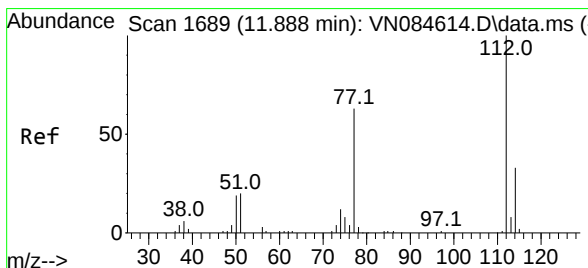
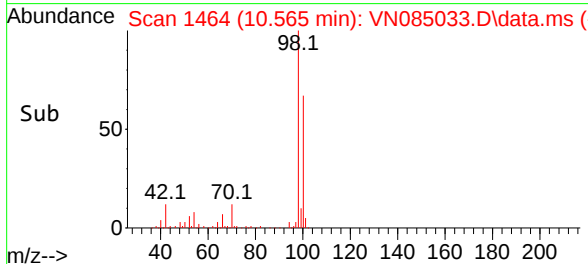
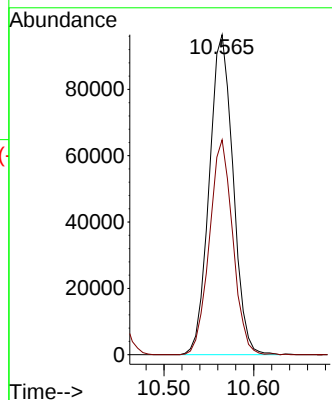
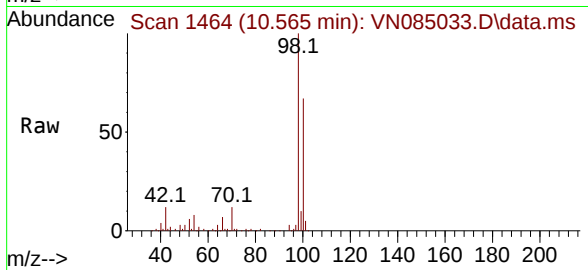
ClientSampleId :

Tgt Ion: 98 Resp: 177726

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.2



#64

Chlorobenzene

Concen: 18.822 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN085033.D

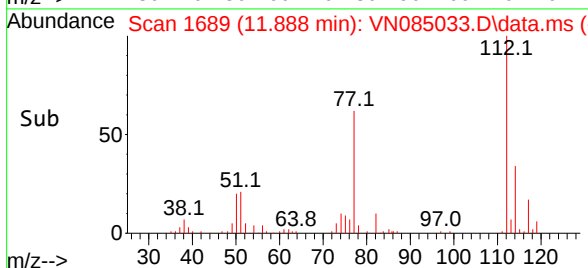
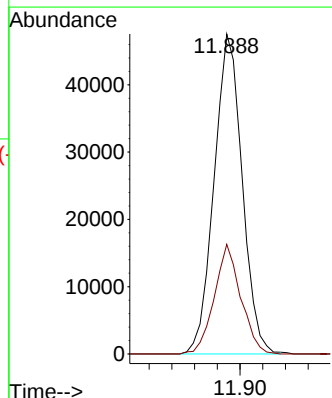
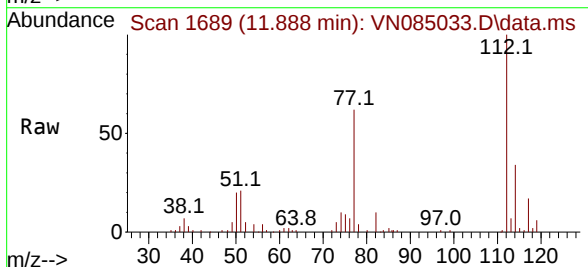
Acq: 25 Nov 2024 17:27

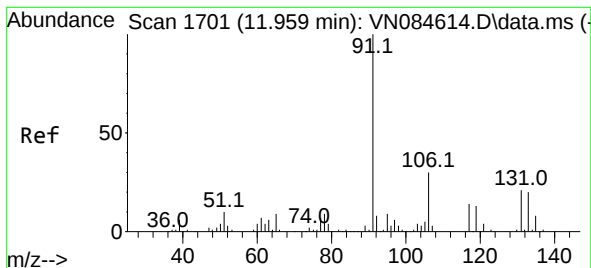
Tgt Ion: 112 Resp: 81571

Ion Ratio Lower Upper

112 100

114 34.3 26.2 39.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.704 ug/l

RT: 11.959 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

ClientSampleId :

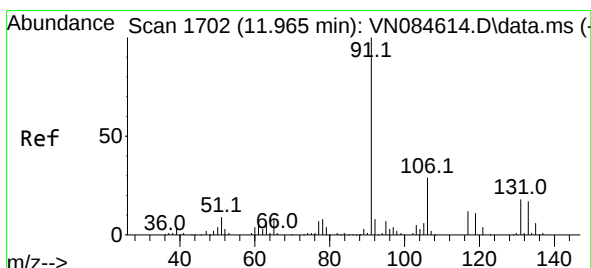
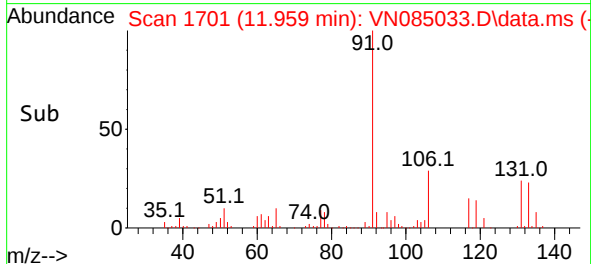
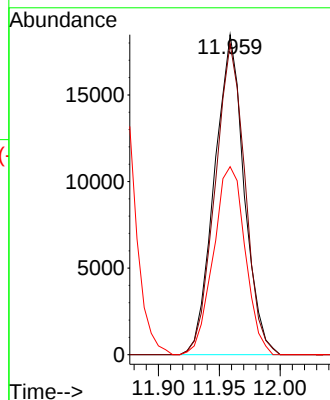
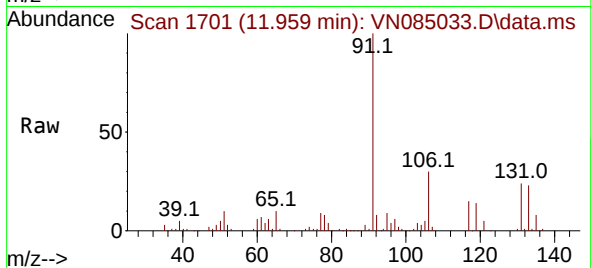
Tgt Ion:131 Resp: 31384

Ion Ratio Lower Upper

131 100

133 97.6 0.0 189.2

119 62.6 0.0 129.4



#66

Ethyl Benzene

Concen: 18.244 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN085033.D

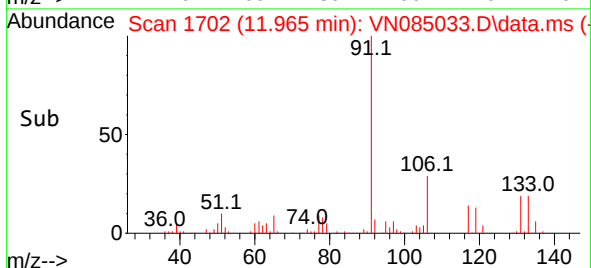
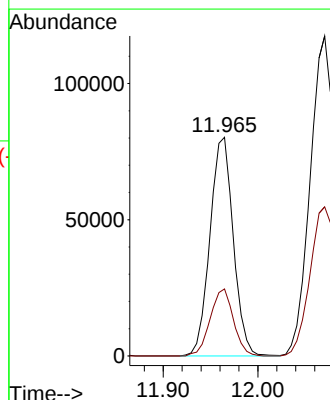
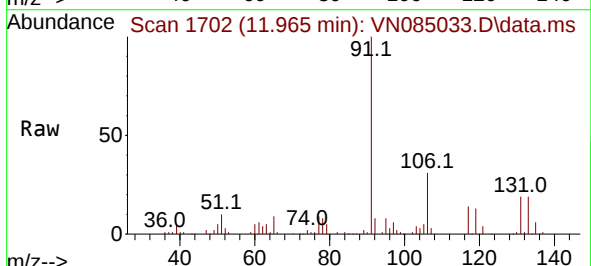
Acq: 25 Nov 2024 17:27

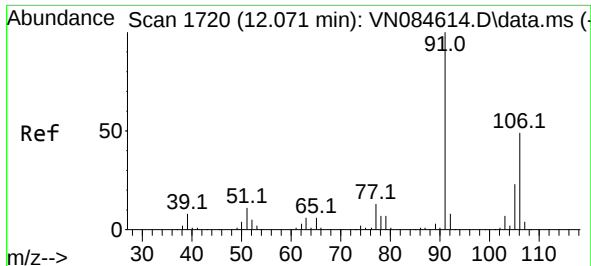
Tgt Ion: 91 Resp: 137642

Ion Ratio Lower Upper

91 100

106 30.7 22.9 34.3

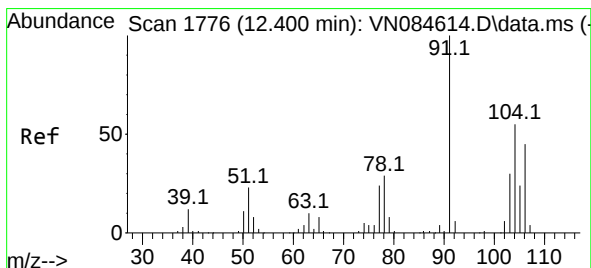
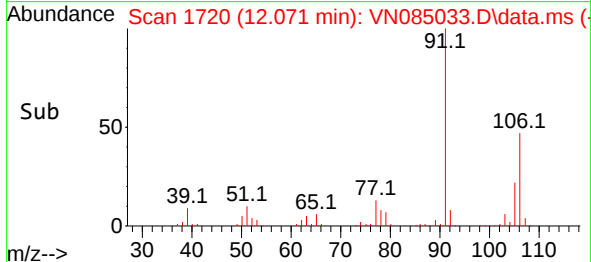
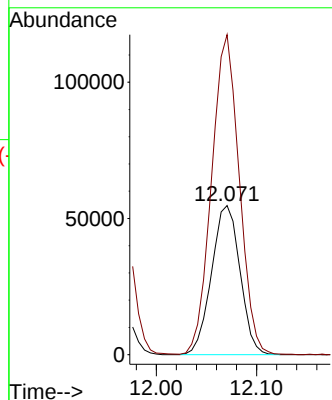
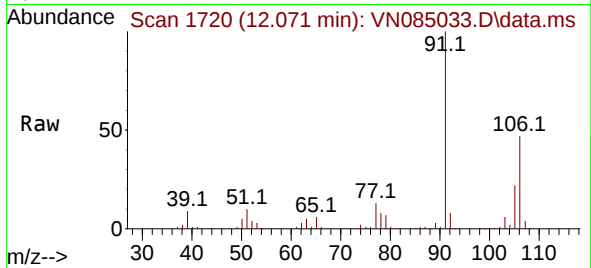




#67  
m/p-Xylenes  
Concen: 37.324 ug/l  
RT: 12.071 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

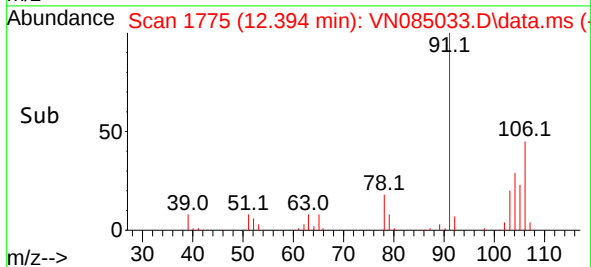
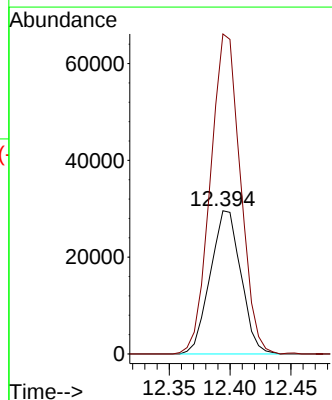
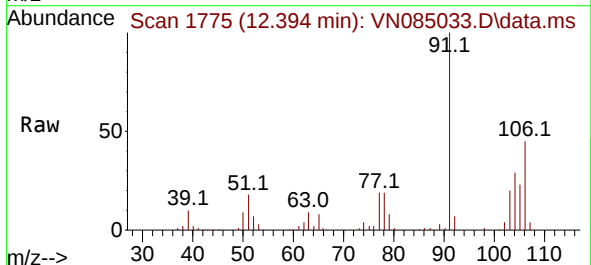
Instrument :  
MSVOA\_N  
ClientSampleId :

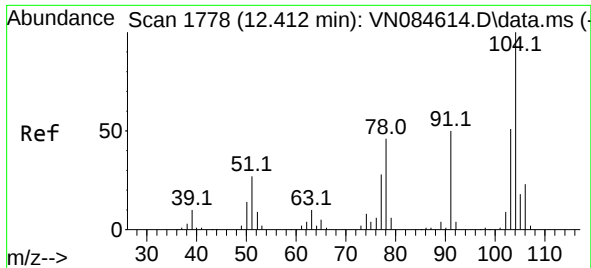
Tgt Ion:106 Resp: 107812  
Ion Ratio Lower Upper  
106 100  
91 208.7 168.1 252.1



#68  
o-Xylene  
Concen: 18.638 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.006 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion:106 Resp: 51933  
Ion Ratio Lower Upper  
106 100  
91 218.6 107.7 322.9

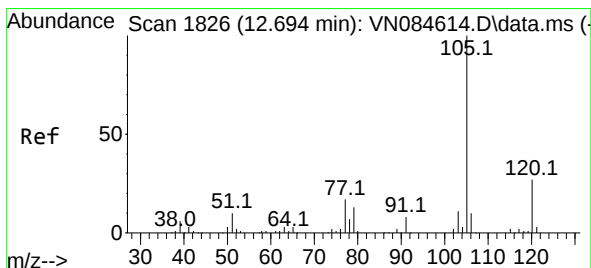
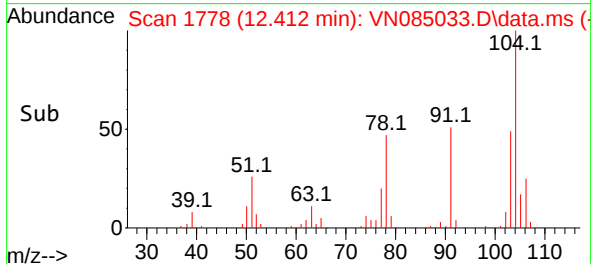
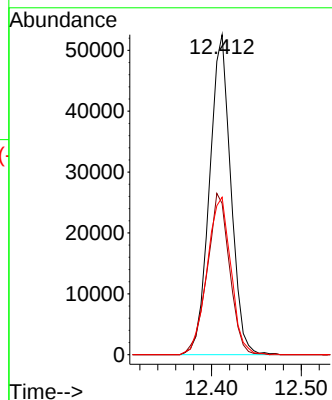
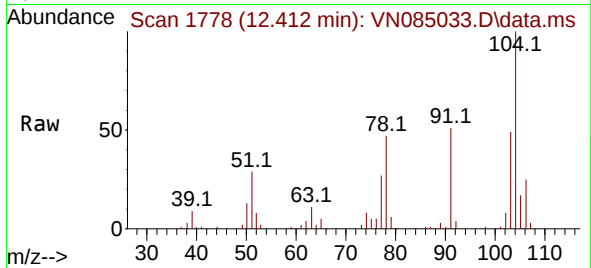




#69  
Styrene  
Concen: 18.549 ug/l  
RT: 12.412 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

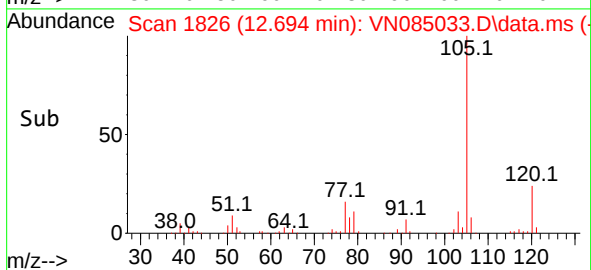
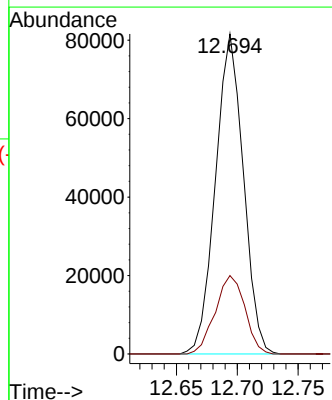
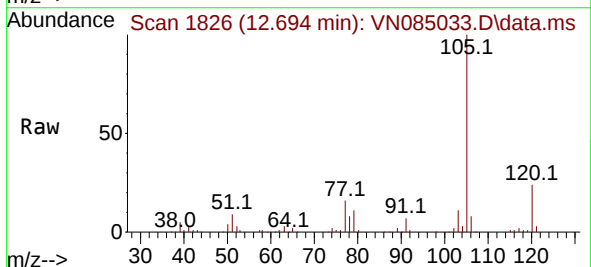
Instrument :  
MSVOA\_N  
ClientSampleId :

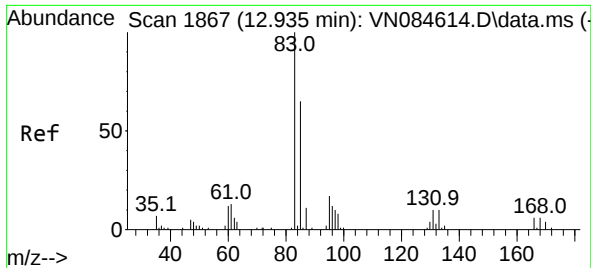
Tgt Ion:104 Resp: 86656  
Ion Ratio Lower Upper  
104 100  
78 53.0 41.5 62.3  
103 55.2 44.6 67.0



#70  
Isopropylbenzene  
Concen: 18.781 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion:105 Resp: 129995  
Ion Ratio Lower Upper  
105 100  
120 26.1 18.7 34.7

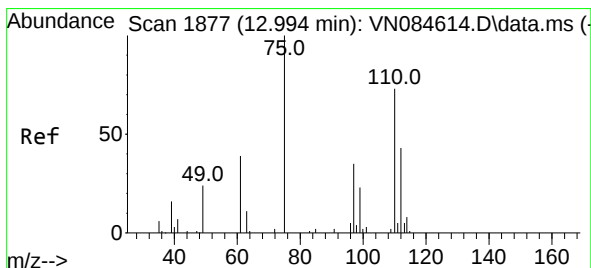
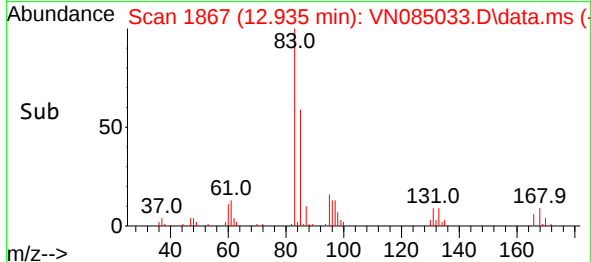
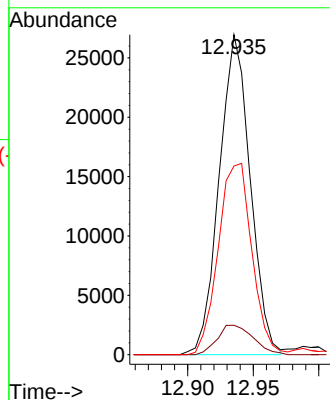
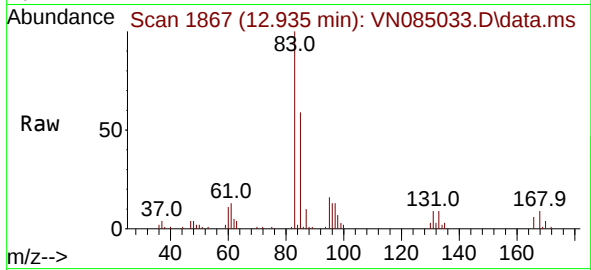




#71  
1,1,2,2-Tetrachloroethane  
Concen: 19.749 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

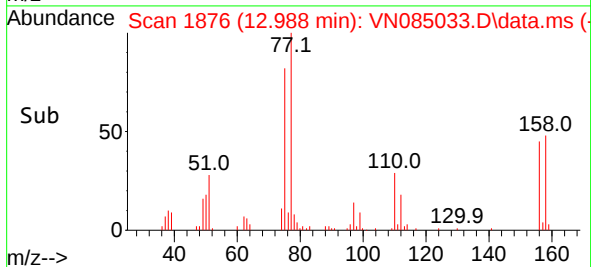
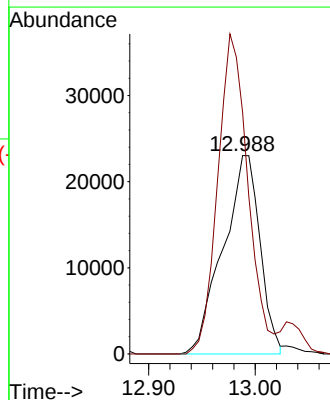
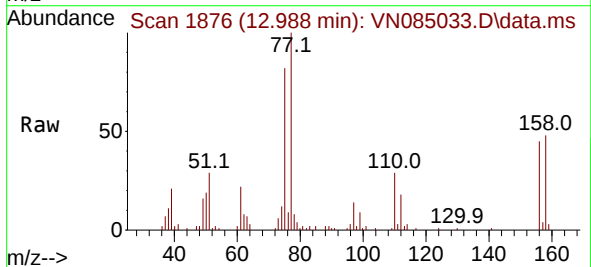
Instrument :  
MSVOA\_N  
ClientSampleId :

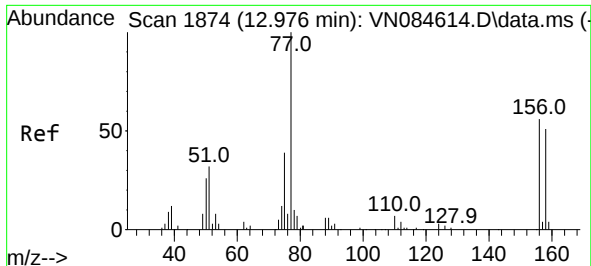
Tgt Ion: 83 Resp: 44308  
Ion Ratio Lower Upper  
83 100  
131 10.7 5.1 15.3  
85 64.9 33.3 99.9



#72  
1,2,3-Trichloropropane  
Concen: 28.967 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. -0.006 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 75 Resp: 55493  
Ion Ratio Lower Upper  
75 100  
77 131.5 0.0 358.4

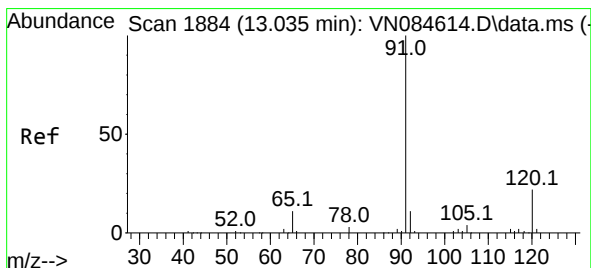
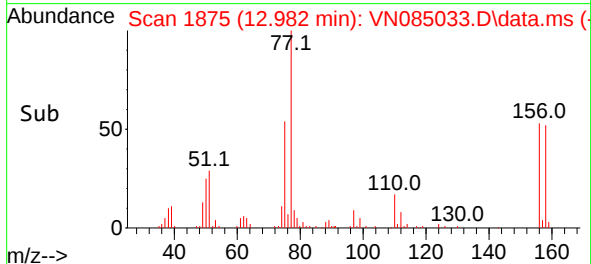
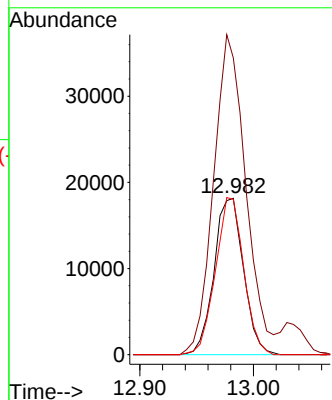
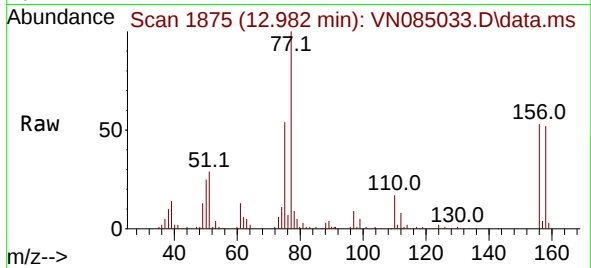




#73  
Bromobenzene  
Concen: 18.316 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.006 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

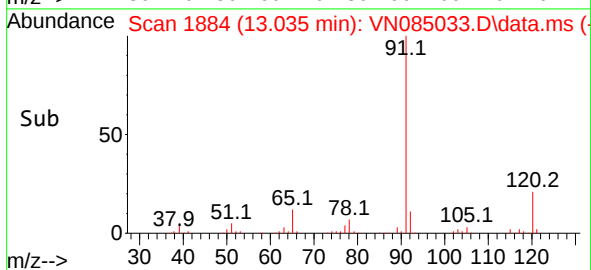
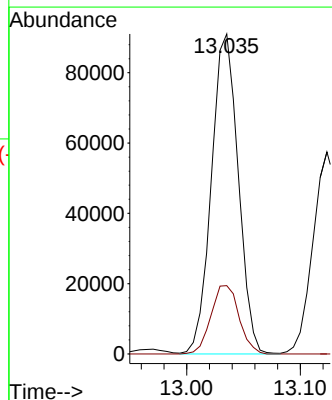
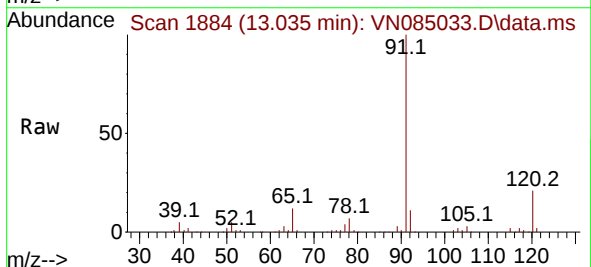
Instrument :  
MSVOA\_N  
ClientSampleId :

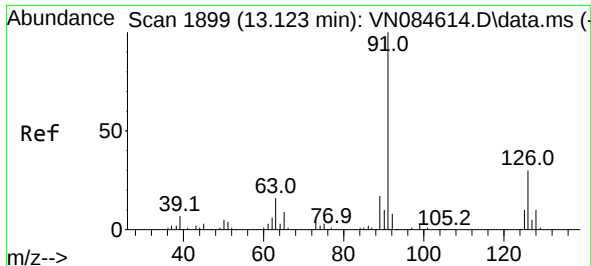
Tgt Ion:156 Resp: 32698  
Ion Ratio Lower Upper  
156 100  
77 223.1 0.0 427.6  
158 96.5 0.0 191.6



#74  
n-propylbenzene  
Concen: 18.489 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 91 Resp: 149647  
Ion Ratio Lower Upper  
91 100  
120 22.3 0.0 44.0

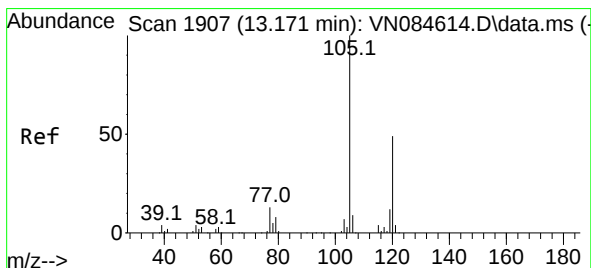
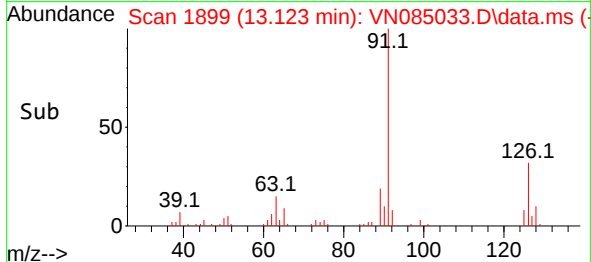
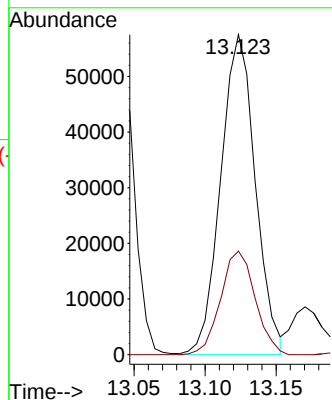
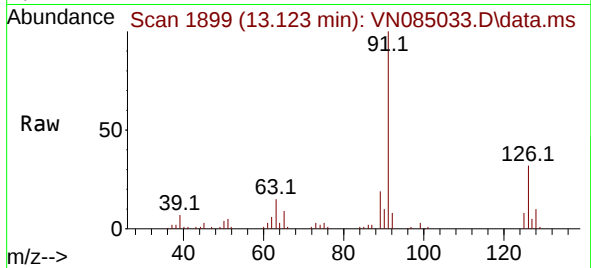




#75  
2-Chlorotoluene  
Concen: 18.462 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

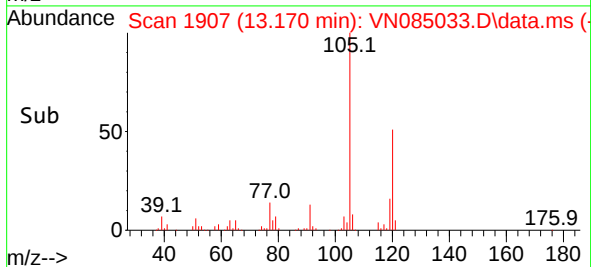
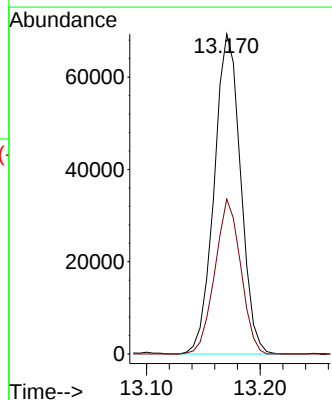
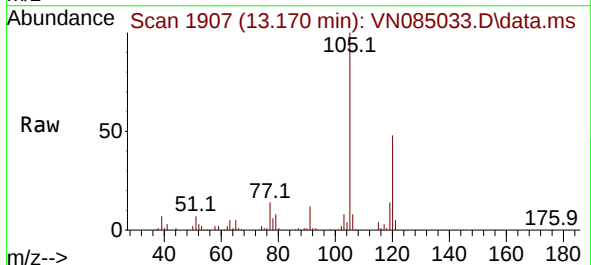
Instrument :  
MSVOA\_N  
ClientSampleId :

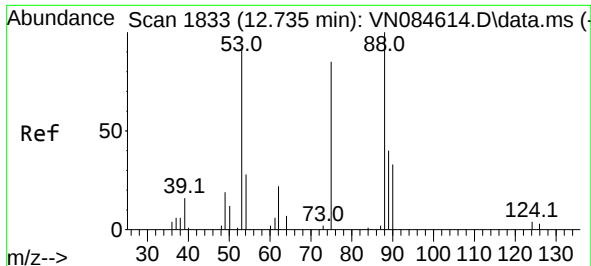
Tgt Ion: 91 Resp: 97313  
Ion Ratio Lower Upper  
91 100  
126 32.3 0.0 60.8



#76  
1,3,5-Trimethylbenzene  
Concen: 18.936 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 105 Resp: 111985  
Ion Ratio Lower Upper  
105 100  
120 47.3 0.0 96.8

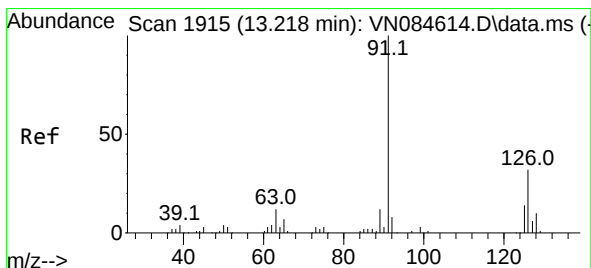
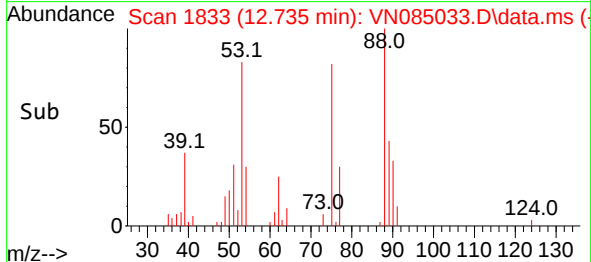
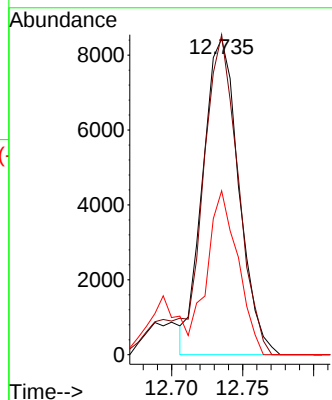
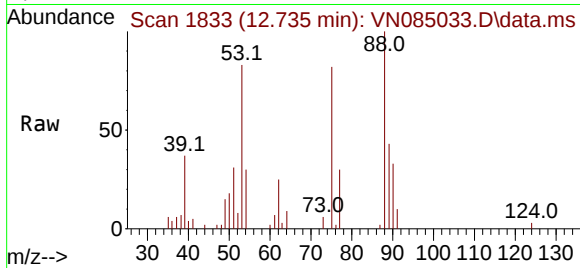




#77  
t-1,4-Dichloro-2-butene  
Concen: 18.921 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

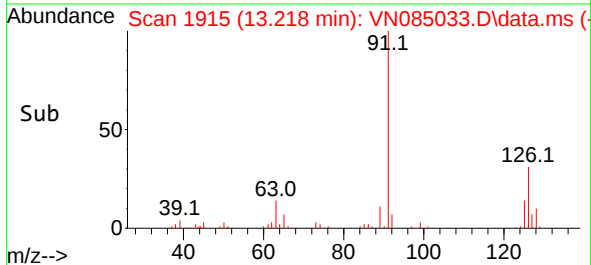
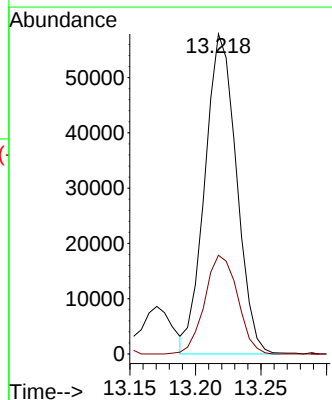
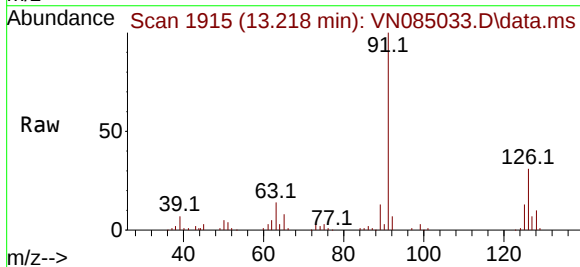
Instrument :  
MSVOA\_N  
ClientSampleId :

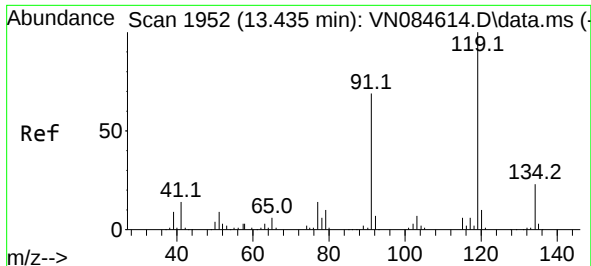
| Tgt Ion: | 75    | Resp: | 14866 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 101.3 | 52.4  | 157.2 |
| 89       | 51.9  | 26.0  | 78.0  |



#78  
4-Chlorotoluene  
Concen: 18.261 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

| Tgt Ion: | 91    | Resp: | 97247 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 32.0  | 0.0   | 63.4  |

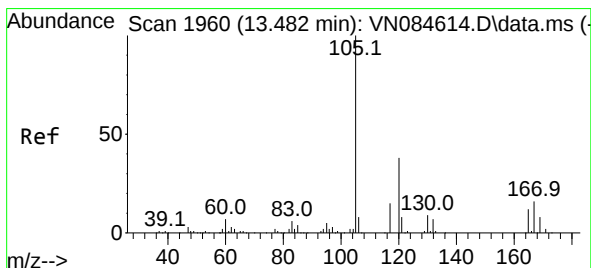
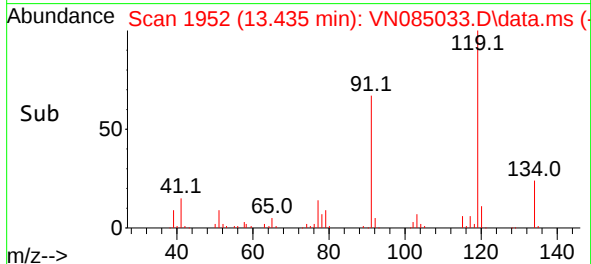
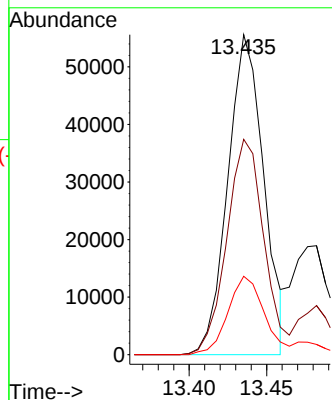
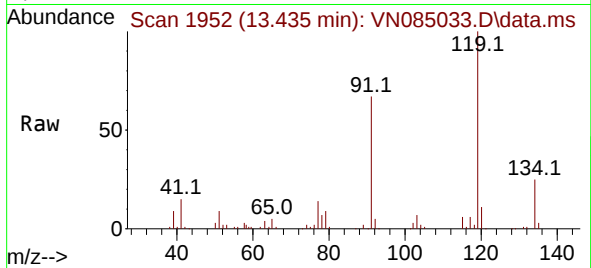




#79  
tert-butylbenzene  
Concen: 18.347 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

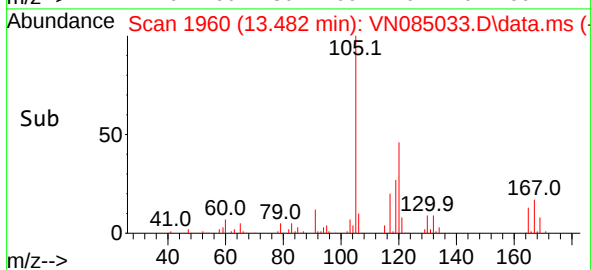
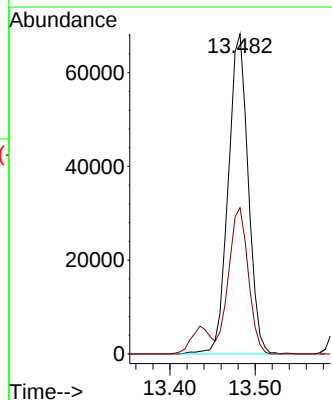
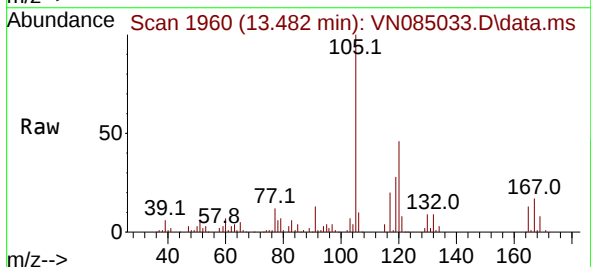
Instrument :  
MSVOA\_N  
ClientSampleId :

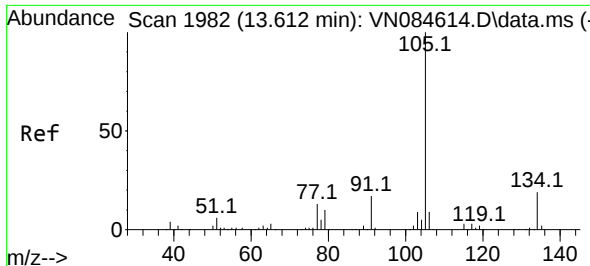
Tgt Ion:119 Resp: 89730  
Ion Ratio Lower Upper  
119 100  
91 69.8 0.0 143.2  
134 24.7 0.0 49.4



#80  
1,2,4-Trimethylbenzene  
Concen: 18.664 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion:105 Resp: 111355  
Ion Ratio Lower Upper  
105 100  
120 44.9 0.0 90.4

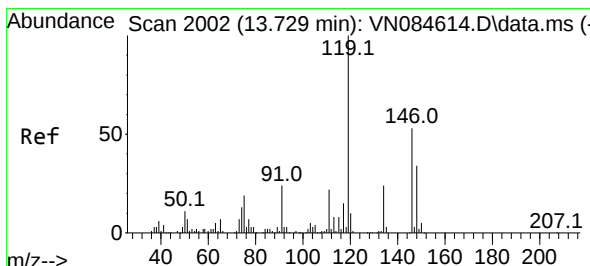
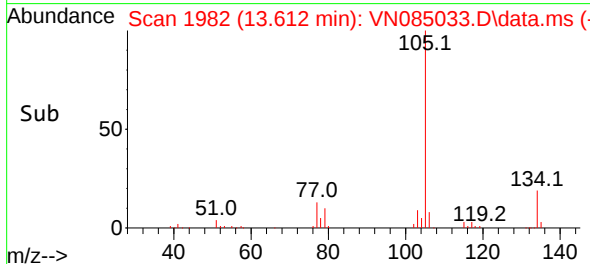
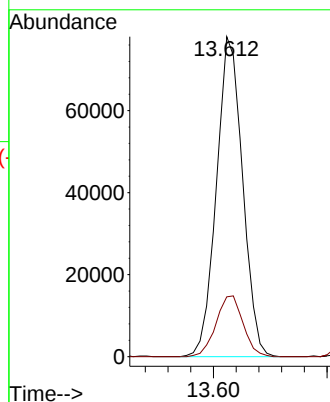
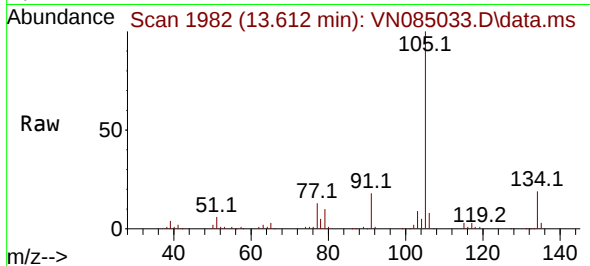




#81  
 sec-Butylbenzene  
 Concen: 18.497 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN085033.D  
 Acq: 25 Nov 2024 17:27

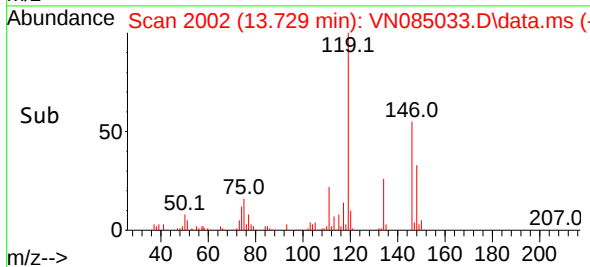
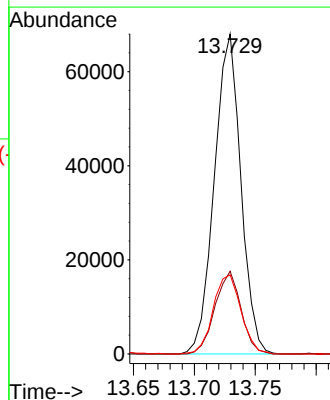
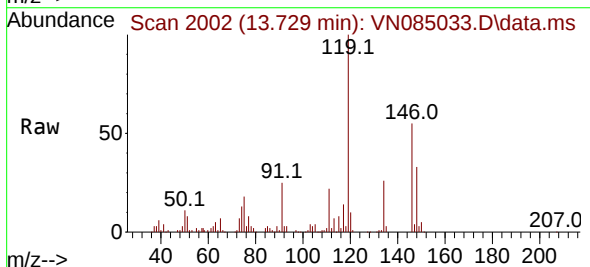
Instrument :  
 MSVOA\_N  
 ClientSampleId :

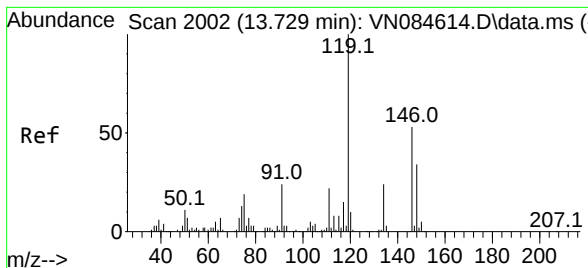
Tgt Ion:105 Resp: 124656  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 0.0 39.0



#82  
 p-Isopropyltoluene  
 Concen: 18.174 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. -0.000 min  
 Lab File: VN085033.D  
 Acq: 25 Nov 2024 17:27

Tgt Ion:119 Resp: 102914  
 Ion Ratio Lower Upper  
 119 100  
 134 25.3 0.0 51.4  
 91 25.9 0.0 50.4





#83

1,3-Dichlorobenzene

Concen: 18.740 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

ClientSampleId :

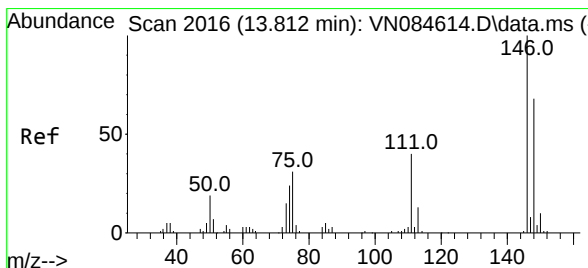
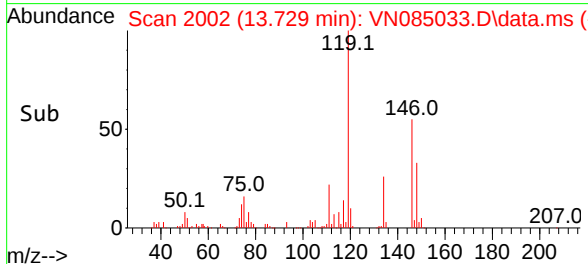
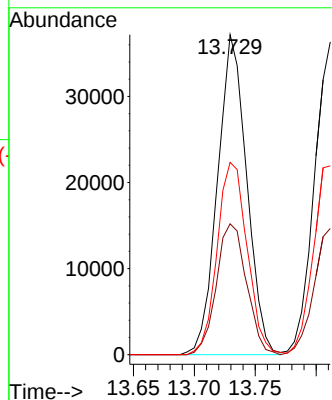
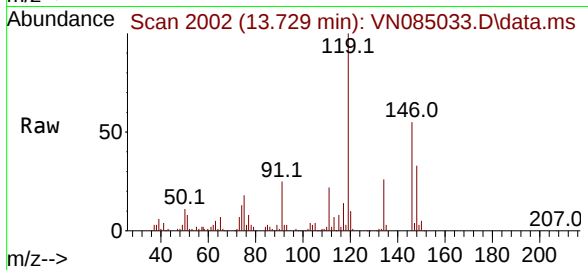
Tgt Ion:146 Resp: 61873

Ion Ratio Lower Upper

146 100

111 42.2 21.0 63.0

148 62.0 31.3 93.8



#84

1,4-Dichlorobenzene

Concen: 18.248 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

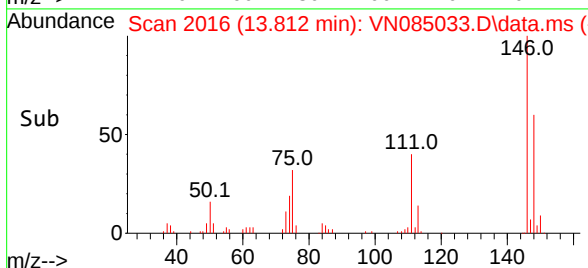
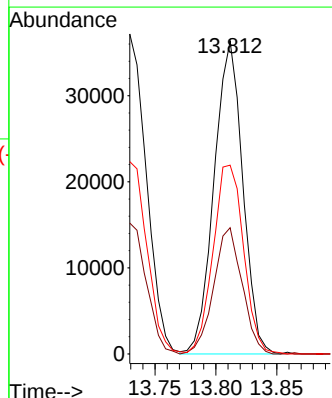
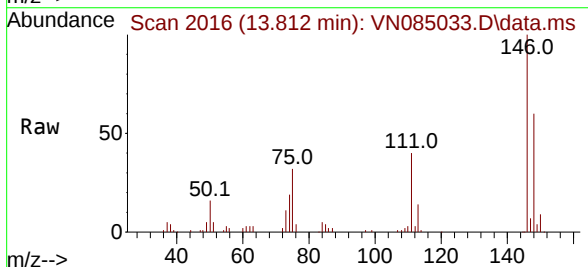
Tgt Ion:146 Resp: 59532

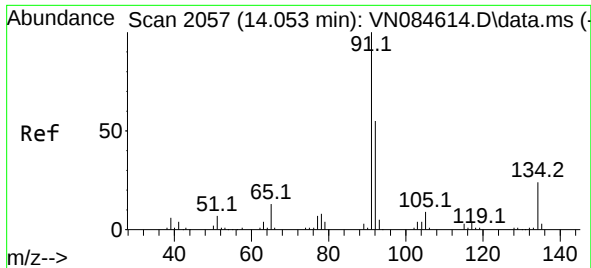
Ion Ratio Lower Upper

146 100

111 40.1 20.2 60.5

148 64.3 32.6 98.0

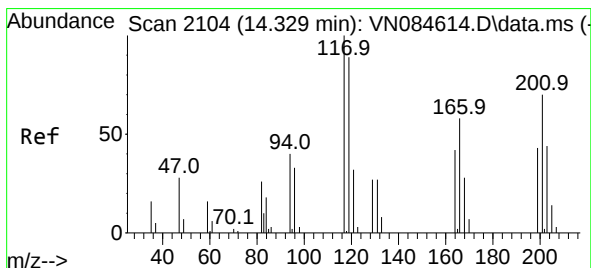
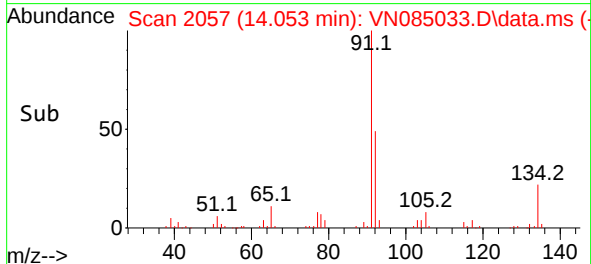
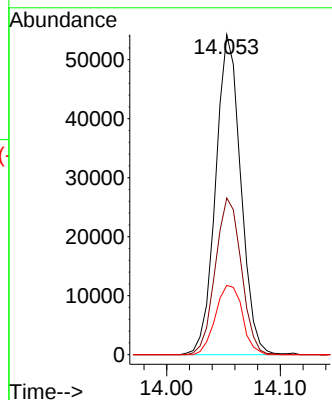
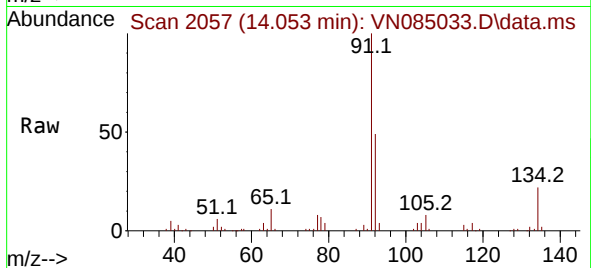




#85  
n-Butylbenzene  
Concen: 17.533 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

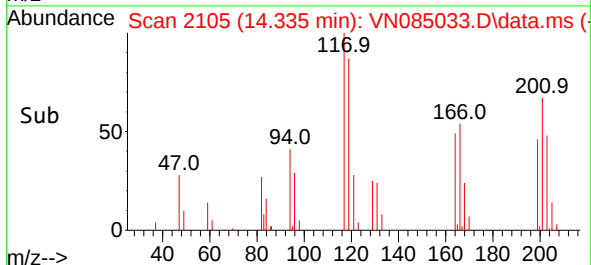
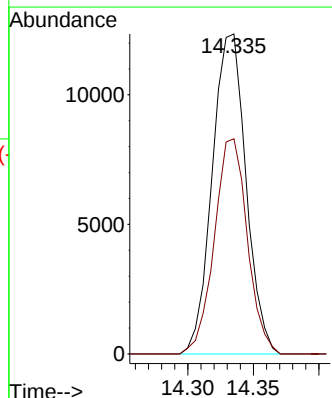
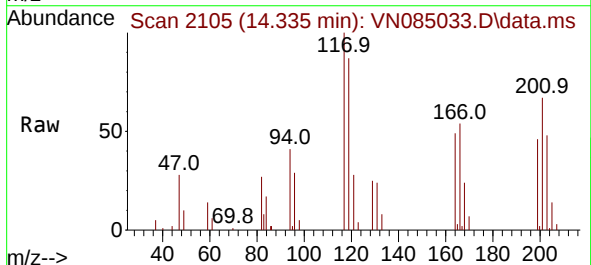
Instrument :  
MSVOA\_N  
ClientSampleId :

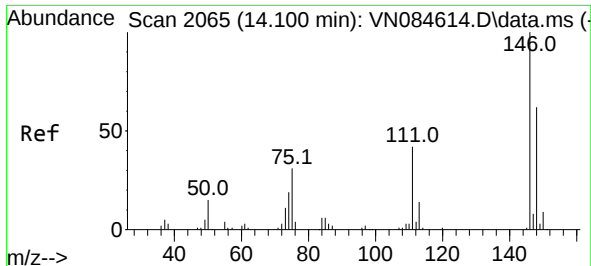
Tgt Ion: 91 Resp: 83383  
Ion Ratio Lower Upper  
91 100  
92 50.6 0.0 106.2  
134 23.2 0.0 48.2



#86  
Hexachloroethane  
Concen: 19.121 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.006 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion: 117 Resp: 22144  
Ion Ratio Lower Upper  
117 100  
201 65.6 34.4 103.3





#87

1,2-Dichlorobenzene

Concen: 18.677 ug/l

RT: 14.106 min Scan# 2065

Delta R.T. 0.006 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

Instrument :

MSVOA\_N

ClientSampleId :

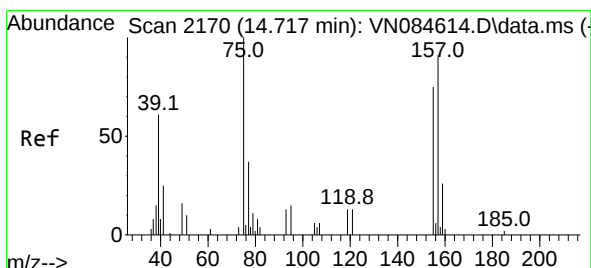
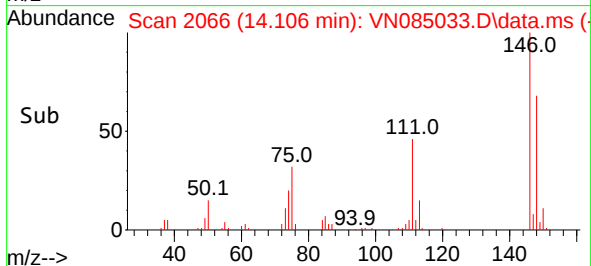
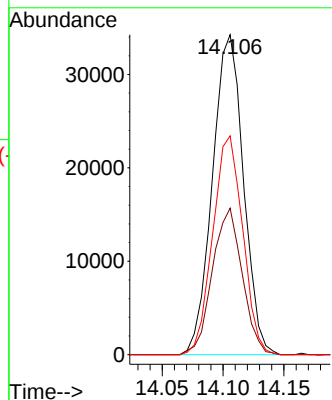
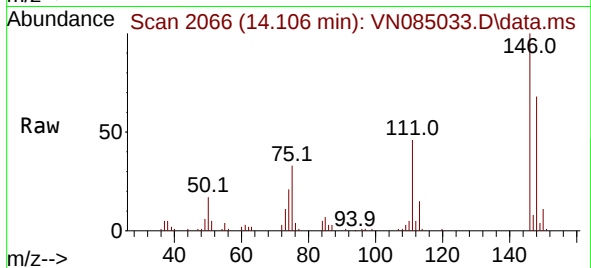
Tgt Ion:146 Resp: 60764

Ion Ratio Lower Upper

146 100

111 44.1 22.4 67.0

148 66.0 32.6 98.0



#88

1,2-Dibromo-3-Chloropropane

Concen: 21.206 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN085033.D

Acq: 25 Nov 2024 17:27

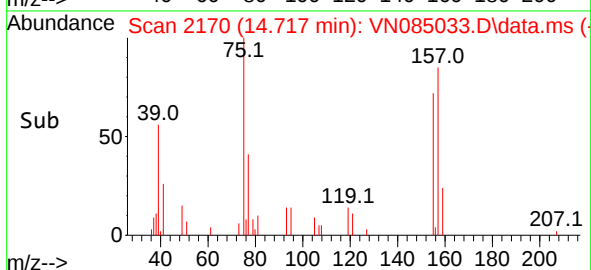
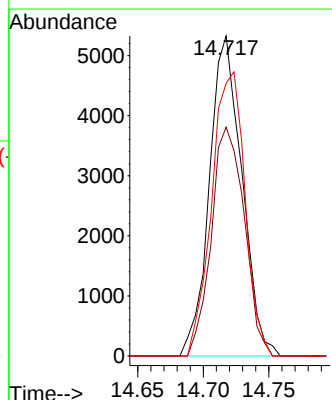
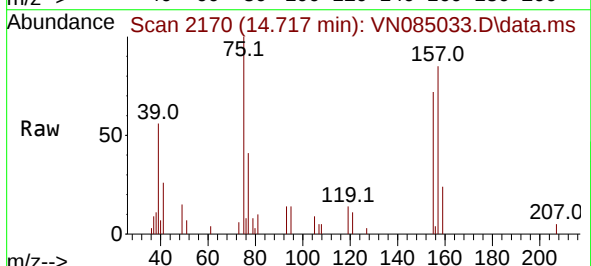
Tgt Ion: 75 Resp: 9180

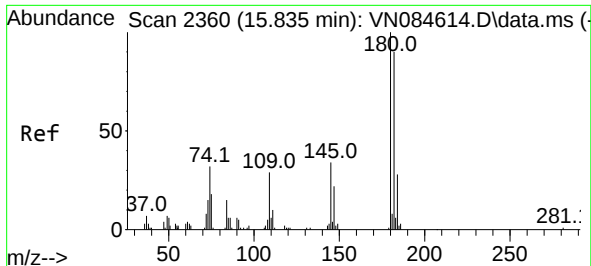
Ion Ratio Lower Upper

75 100

155 72.4 61.8 92.6

157 90.7 74.7 112.1

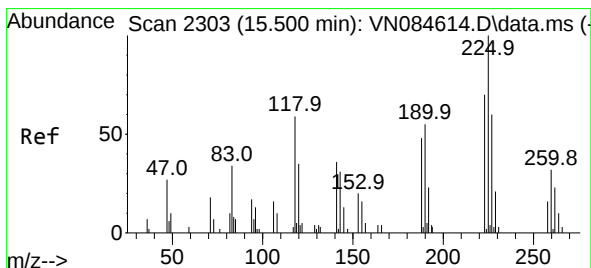
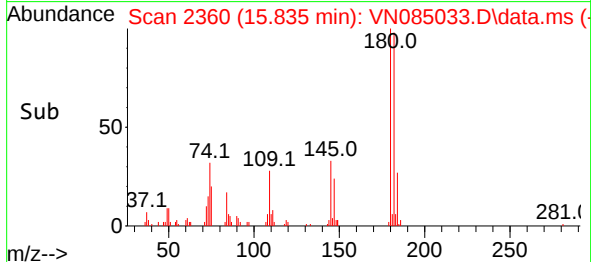
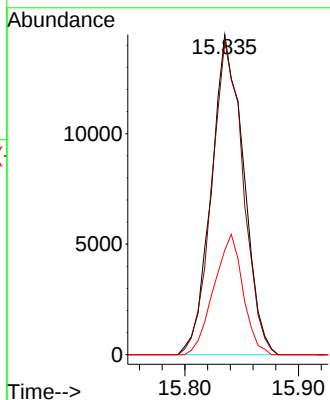
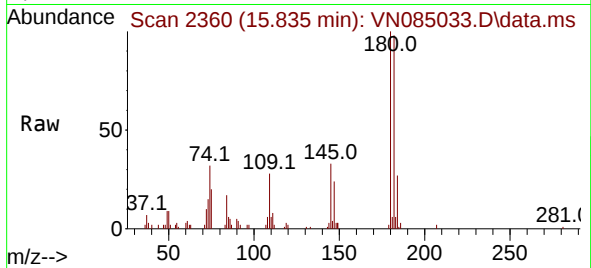




#89  
 1,2,4-Trichlorobenzene  
 Concen: 17.948 ug/l  
 RT: 15.835 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN085033.D  
 Acq: 25 Nov 2024 17:27

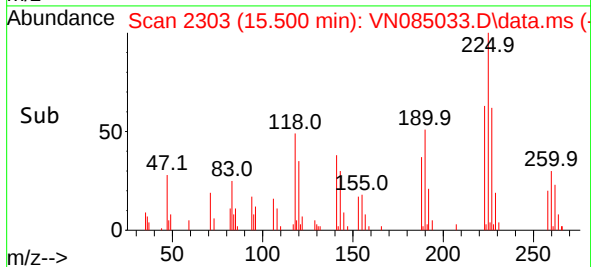
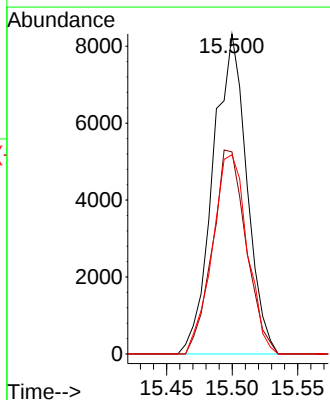
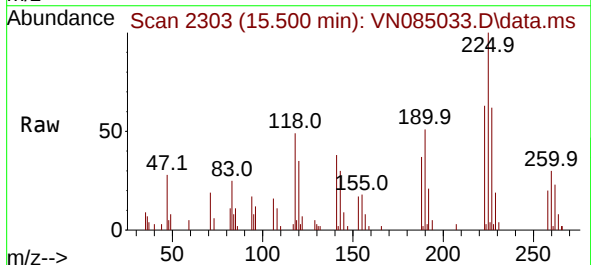
Instrument :  
 MSVOA\_N  
 ClientSampleId :

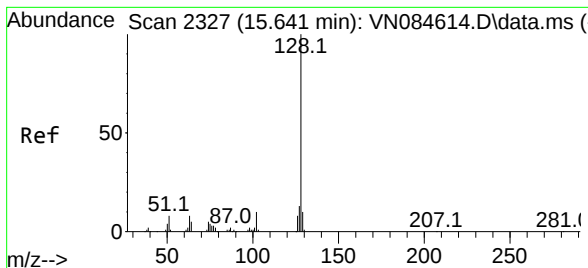
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 73.0  | 109.6 |
| 145     | 34.1  | 26.5  | 39.7  |



#90  
 Hexachlorobutadiene  
 Concen: 21.504 ug/l  
 RT: 15.500 min Scan# 2303  
 Delta R.T. -0.000 min  
 Lab File: VN085033.D  
 Acq: 25 Nov 2024 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.8  | 0.0   | 138.8 |
| 227     | 64.4  | 0.0   | 123.2 |

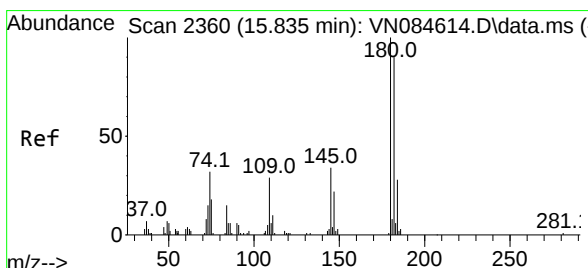
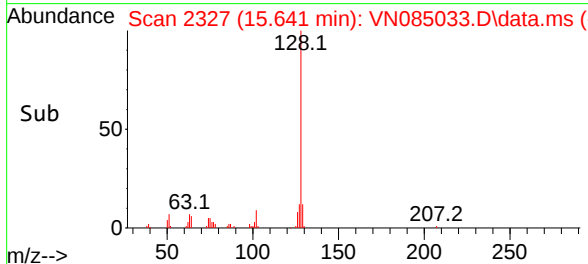
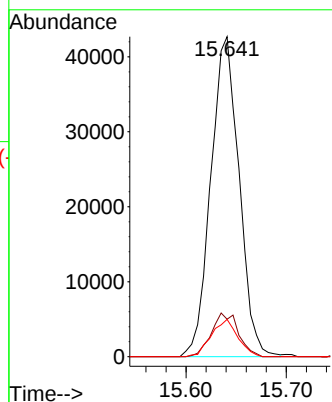
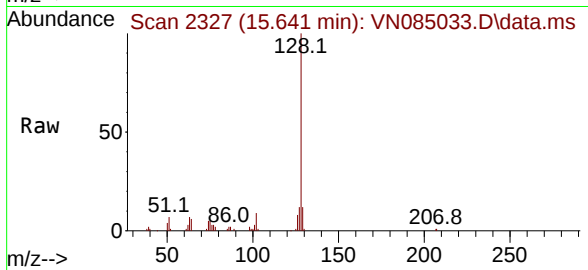




#91  
Naphthalene  
Concen: 16.557 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:128 Resp: 83763  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.3 15.5  
129 10.9 8.6 12.8



#92  
1,2,3-Trichlorobenzene  
Concen: 17.948 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. -0.000 min  
Lab File: VN085033.D  
Acq: 25 Nov 2024 17:27

Tgt Ion:180 Resp: 28432  
Ion Ratio Lower Upper  
180 100  
182 96.3 0.0 182.6  
145 34.1 0.0 66.2

