

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092624\  
 Data File : VN084174.D  
 Acq On : 26 Sep 2024 13:06  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 27 01:07:25 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090624W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Sep 06 23:42:47 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 7.812          | 128  | 28428      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100          | 114  | 144902     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865         | 117  | 139198     | 30.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.577          | 65   | 74000      | 28.478   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 94.933%  |        |          |
| 60) 4-Bromofluorobenzene     | 12.847         | 95   | 72811      | 30.350   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 101.167% |        |          |
| 63) Toluene-d8               | 10.565         | 98   | 195189     | 30.284   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 100.933% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 28678      | 15.064   | ug/l   | 95       |
| 3) Chloromethane             | 2.359          | 50   | 36096      | 18.248   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.512          | 62   | 34879      | 17.152   | ug/l   | 98       |
| 5) Bromomethane              | 2.959          | 94   | 22538      | 19.838   | ug/l   | 99       |
| 6) Chloroethane              | 3.124          | 64   | 22084      | 16.218   | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 3.501          | 101  | 53115      | 15.580   | ug/l   | 95       |
| 8) Diethyl Ether             | 3.965          | 74   | 21028      | 18.153   | ug/l   | 79       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 29340      | 16.022   | ug/l   | 96       |
| 10) 1,1-Dichloroethene       | 4.342          | 96   | 30400      | 17.206   | ug/l   | 85       |
| 11) Methyl Iodide            | 4.589          | 142  | 38228      | 15.929   | ug/l   | 97       |
| 12) Methyl Acetate           | 5.024          | 43   | 48124      | 22.584   | ug/l # | 82       |
| 13) Acrolein                 | 4.177          | 56   | 34152      | 109.823  | ug/l   | 96       |
| 14) Acrylonitrile            | 5.724          | 53   | 92083      | 106.786  | ug/l   | 98       |
| 15) Acetone                  | 4.436          | 58   | 25474      | 89.055   | ug/l   | 96       |
| 16) Carbon Disulfide         | 4.718          | 76   | 83234      | 16.669   | ug/l   | 98       |
| 17) Allyl chloride           | 5.024          | 41   | 49179      | 15.872   | ug/l   | 87       |
| 18) Methylene Chloride       | 5.277          | 84   | 37353      | 19.324   | ug/l   | 88       |
| 19) trans-1,2-Dichloroethene | 5.789          | 96   | 31940      | 17.442   | ug/l   | 97       |
| 20) Diisopropyl ether        | 6.677          | 45   | 121904     | 19.482   | ug/l   | 95       |
| 21) 1,1-Dichloroethane       | 6.565          | 63   | 67073      | 18.775   | ug/l   | 95       |
| 22) cis-1,2-Dichloroethene   | 7.488          | 96   | 39543      | 17.742   | ug/l   | 92       |
| 23) tert-Butyl Alcohol       | 5.530          | 59   | 33389      | 105.517  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.794          | 73   | 111768     | 17.801   | ug/l # | 90       |
| 25) Chloroform               | 7.965          | 83   | 71044      | 18.765   | ug/l   | 93       |
| 26) Cyclohexane              | 8.253          | 56   | 43793      | 13.918   | ug/l # | 89       |
| 29) 1,1-Dichloropropene      | 8.371          | 75   | 43335      | 18.855   | ug/l   | 98       |
| 30) 2-Butanone               | 7.483          | 43   | 124109     | 114.554  | ug/l   | 93       |
| 31) 2,2-Dichloropropane      | 7.488          | 77   | 48304      | 16.485   | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 59002      | 19.223   | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 8.365          | 117  | 49525      | 18.632   | ug/l   | 93       |
| 34) Benzene                  | 8.606          | 78   | 146027     | 21.175   | ug/l   | 97       |
| 35) Methacrylonitrile        | 7.777          | 41   | 29057      | 23.858   | ug/l   | 90       |
| 36) 1,2-Dichloroethane       | 8.671          | 62   | 54274      | 20.935   | ug/l   | 95       |
| 37) Trichloroethene          | 9.353          | 130  | 32764      | 20.233   | ug/l   | 82       |
| 38) Methylcyclohexane        | 9.600          | 83   | 40712      | 14.796   | ug/l   | 91       |
| 39) 1,2-Dichloropropane      | 9.624          | 63   | 37079      | 22.341   | ug/l   | 99       |
| 40) Dibromomethane           | 9.706          | 93   | 26669      | 21.976   | ug/l   | 95       |
| 41) Bromodichloromethane     | 9.888          | 83   | 56410      | 21.859   | ug/l   | 99       |
| 42) Vinyl Acetate            | 6.600          | 43   | 429813     | 96.491   | ug/l   | 95       |

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Sep 06 23:42:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.565  | 43   | 50011    | 22.934  | ug/l # | 83       |
| 44) Isopropyl Acetate         | 8.688  | 43   | 84201    | 22.324  | ug/l   | 91       |
| 45) 1,4-Dioxane               | 9.694  | 88   | 13523    | 459.687 | ug/l # | 91       |
| 46) Methyl methacrylate       | 9.682  | 41   | 39714    | 21.754  | ug/l   | 82       |
| 47) n-amyl Acetate            | 12.494 | 43   | 74179    | 22.203  | ug/l   | 93       |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 55136    | 20.312  | ug/l   | 93       |
| 49) cis-1,3-Dichloropropene   | 10.312 | 75   | 58903    | 20.865  | ug/l # | 89       |
| 50) 1,1,2-Trichloroethane     | 11.018 | 97   | 35628    | 23.072  | ug/l   | 95       |
| 51) Ethyl methacrylate        | 10.877 | 69   | 54859    | 20.794  | ug/l   | 81       |
| 52) 1,3-Dichloropropane       | 11.165 | 76   | 62584    | 22.442  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.359 | 129  | 41619    | 22.470  | ug/l   | 100      |
| 54) 1,2-Dibromoethane         | 11.471 | 107  | 35449    | 22.190  | ug/l   | 97       |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 171319   | 162.945 | ug/l   | 96       |
| 56) Bromoform                 | 12.582 | 173  | 26274    | 22.328  | ug/l # | 96       |
| 58) 4-Methyl-2-Pentanone      | 10.447 | 43   | 259544   | 117.592 | ug/l # | 89       |
| 59) 2-Hexanone                | 11.194 | 43   | 188623   | 113.100 | ug/l # | 87       |
| 61) Tetrachloroethene         | 11.106 | 164  | 28871    | 19.598  | ug/l   | 97       |
| 62) Toluene                   | 10.629 | 91   | 155189   | 19.396  | ug/l   | 100      |
| 64) Chlorobenzene             | 11.888 | 112  | 96980    | 19.578  | ug/l   | 100      |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 35107    | 20.344  | ug/l   | 98       |
| 66) Ethyl Benzene             | 11.965 | 91   | 161491   | 17.749  | ug/l   | 100      |
| 67) m/p-Xylenes               | 12.071 | 106  | 124220   | 37.109  | ug/l   | 100      |
| 68) o-Xylene                  | 12.400 | 106  | 58623    | 18.095  | ug/l   | 94       |
| 69) Styrene                   | 12.412 | 104  | 104904   | 19.164  | ug/l   | 100      |
| 70) Isopropylbenzene          | 12.694 | 105  | 148122   | 17.325  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 50181    | 21.490  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane    | 12.994 | 75   | 67406    | 32.924  | ug/l   | 63       |
| 73) Bromobenzene              | 12.976 | 156  | 38245    | 19.475  | ug/l   | 95       |
| 74) n-propylbenzene           | 13.035 | 91   | 181189   | 18.104  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 117752   | 18.851  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 127498   | 17.853  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 17320    | 20.014  | ug/l   | 88       |
| 78) 4-Chlorotoluene           | 13.223 | 91   | 119633   | 18.885  | ug/l   | 100      |
| 79) tert-butylbenzene         | 13.435 | 119  | 100362   | 16.071  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 128613   | 17.821  | ug/l   | 97       |
| 81) sec-Butylbenzene          | 13.618 | 105  | 145985   | 17.112  | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 13.729 | 119  | 120332   | 16.764  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 71445    | 18.903  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 13.812 | 146  | 70850    | 18.750  | ug/l   | 99       |
| 85) n-Butylbenzene            | 14.053 | 91   | 103588   | 16.354  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.335 | 117  | 24240    | 17.820  | ug/l   | 86       |
| 87) 1,2-Dichlorobenzene       | 14.106 | 146  | 70391    | 19.190  | ug/l   | 100      |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 10203    | 19.882  | ug/l   | 91       |
| 89) 1,2,4-Trichlorobenzene    | 15.835 | 180  | 34340    | 17.089  | ug/l   | 99       |
| 90) Hexachlorobutadiene       | 15.500 | 225  | 14457    | 17.381  | ug/l   | 99       |
| 91) Naphthalene               | 15.641 | 128  | 106916   | 16.274  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 34340    | 17.089  | ug/l   | 99       |

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

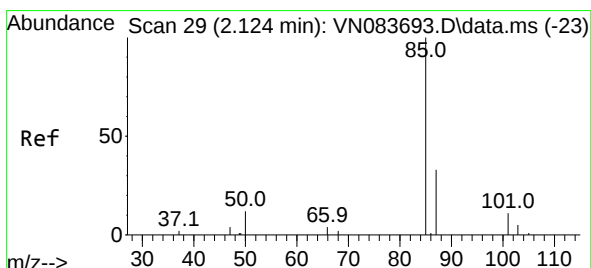
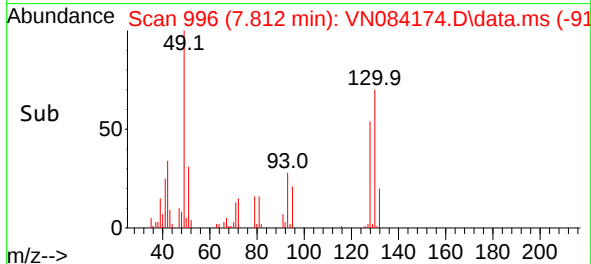
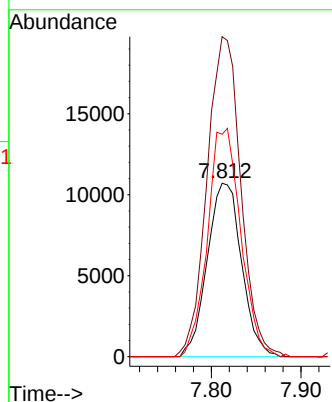
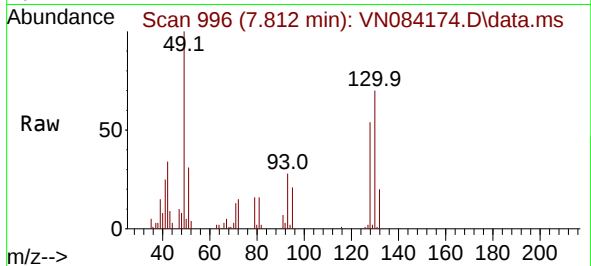




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

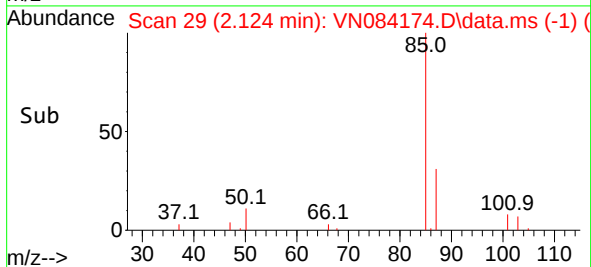
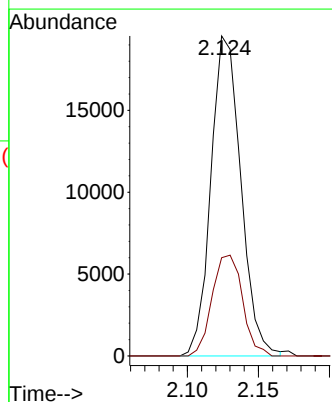
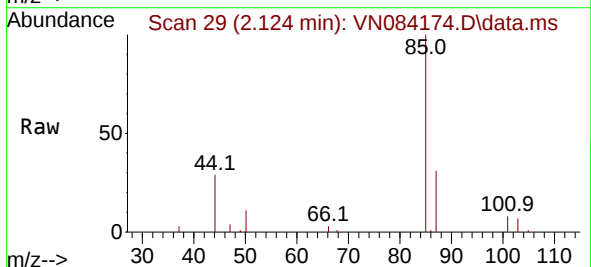
Instrument :  
MSVOA\_N  
ClientSampleId :

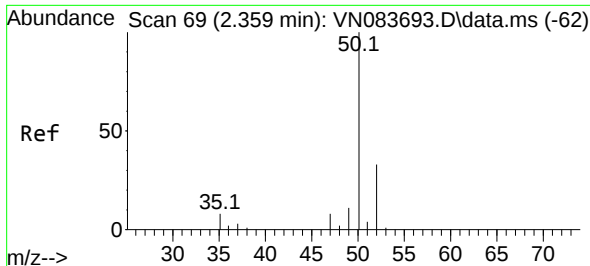
Tgt Ion:128 Resp: 28428  
Ion Ratio Lower Upper  
128 100  
49 181.6 0.0 403.7  
130 127.7 0.0 323.3



#2  
Dichlorodifluoromethane  
Concen: 15.064 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 85 Resp: 28678  
Ion Ratio Lower Upper  
85 100  
87 30.7 16.8 50.3

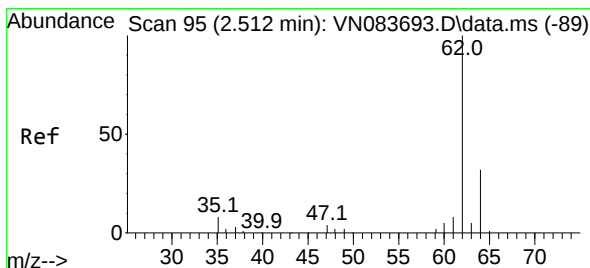
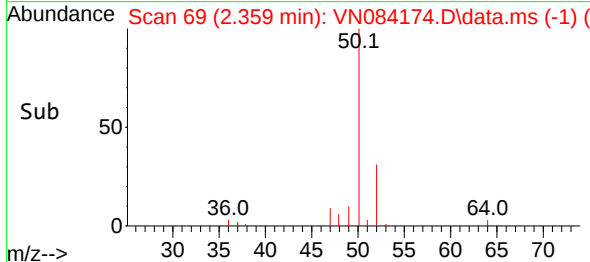
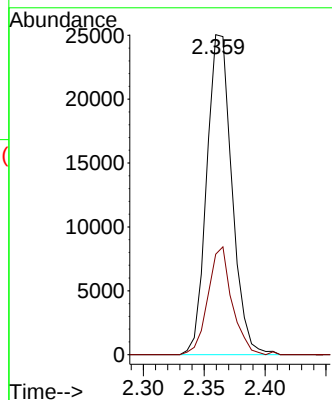
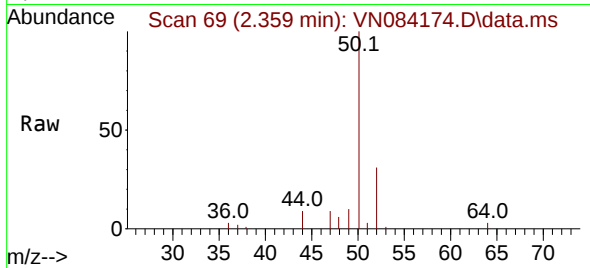




#3  
Chloromethane  
Concen: 18.248 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

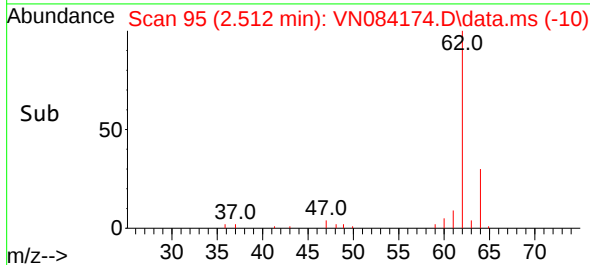
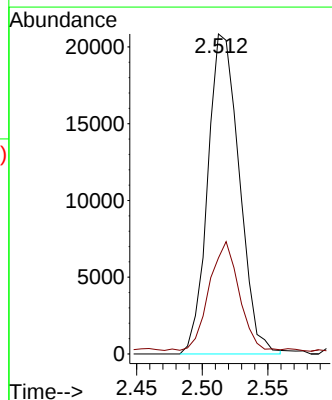
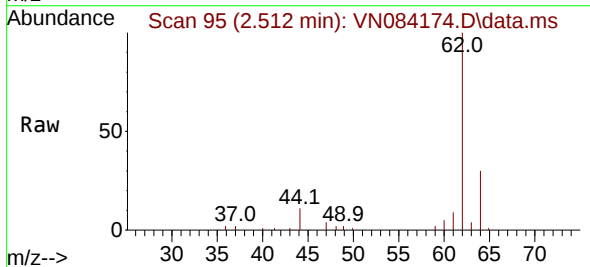
Instrument :  
MSVOA\_N  
ClientSampleId :

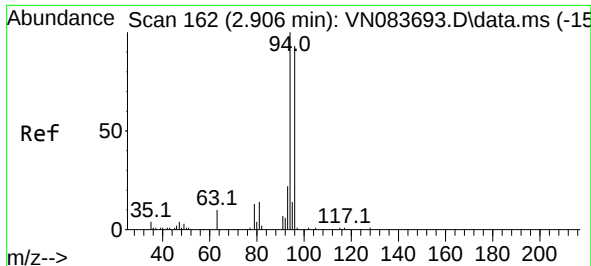
Tgt Ion: 50 Resp: 36096  
Ion Ratio Lower Upper  
50 100  
52 31.4 25.4 38.0



#4  
Vinyl Chloride  
Concen: 17.152 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 62 Resp: 34879  
Ion Ratio Lower Upper  
62 100  
64 28.9 24.1 36.1





#5

Bromomethane

Concen: 19.838 ug/l

RT: 2.959 min Scan# 1

Delta R.T. 0.053 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

Instrument :

MSVOA\_N

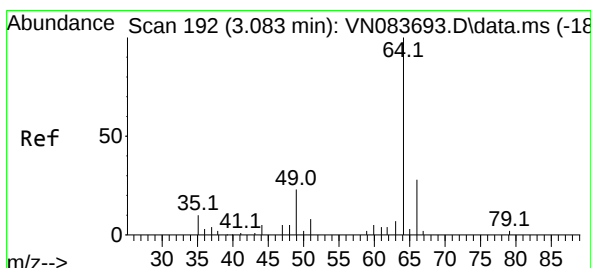
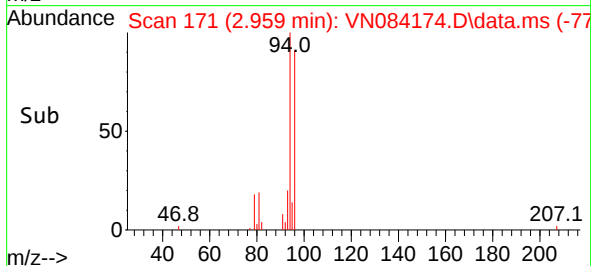
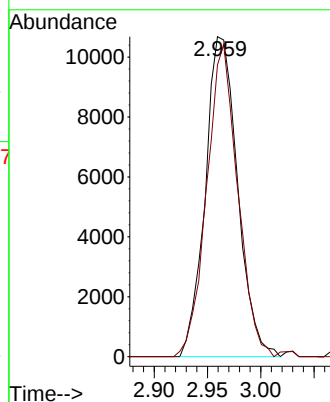
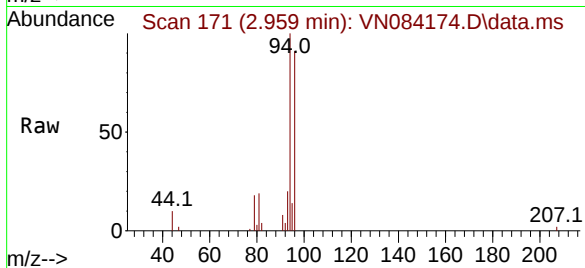
ClientSampleId :

Tgt Ion: 94 Resp: 22538

Ion Ratio Lower Upper

94 100

96 89.7 72.8 109.2



#6

Chloroethane

Concen: 16.218 ug/l

RT: 3.124 min Scan# 199

Delta R.T. 0.041 min

Lab File: VN084174.D

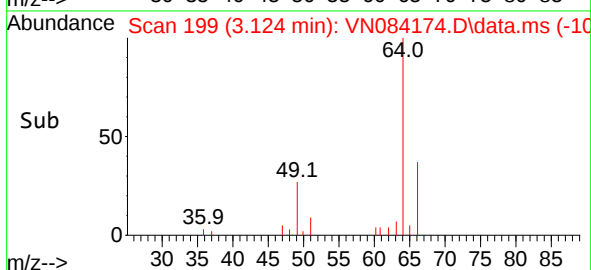
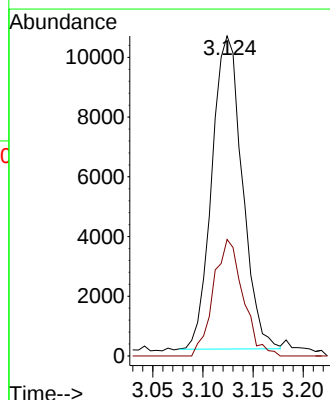
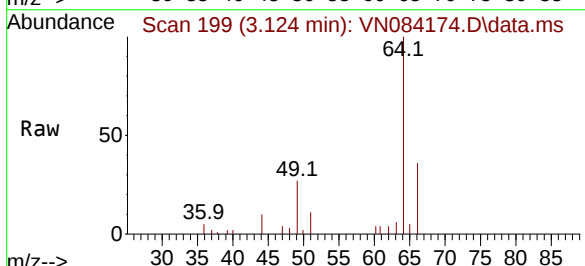
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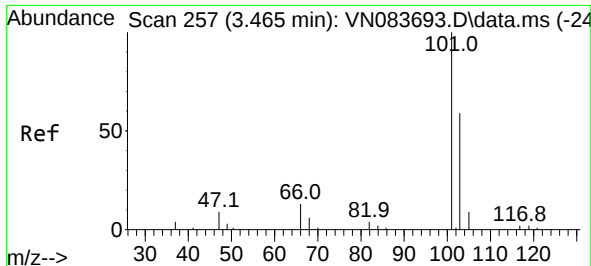
Tgt Ion: 64 Resp: 22084

Ion Ratio Lower Upper

64 100

66 37.2 26.7 40.1

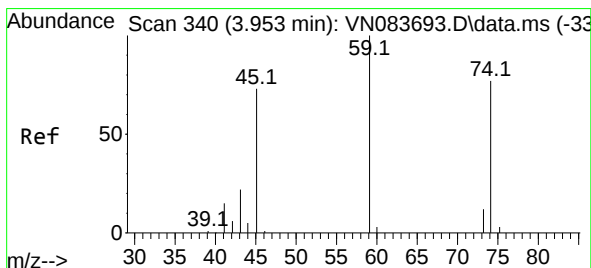
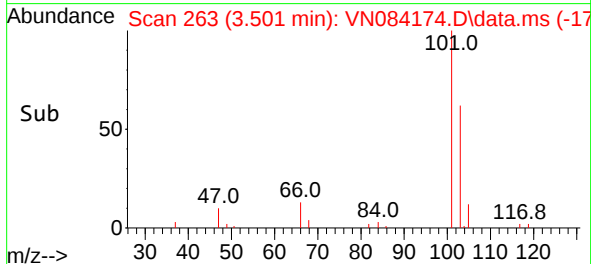
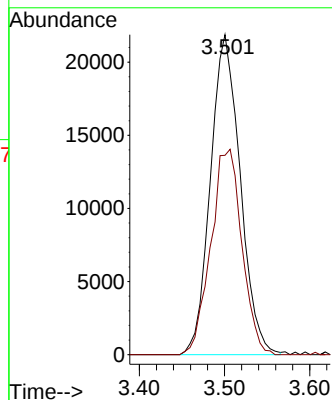
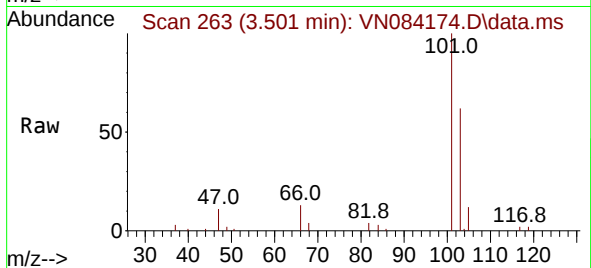




#7  
Trichlorofluoromethane  
Concen: 15.580 ug/l  
RT: 3.501 min Scan# 20  
Delta R.T. 0.035 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

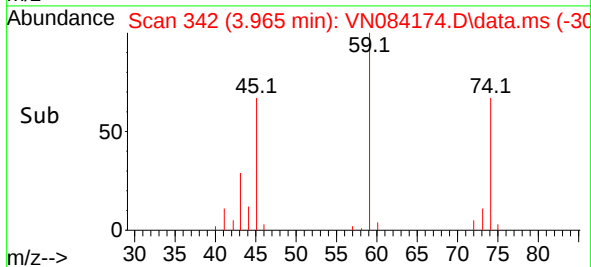
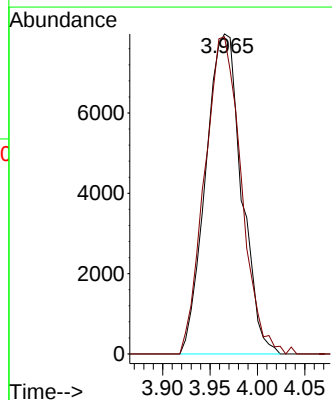
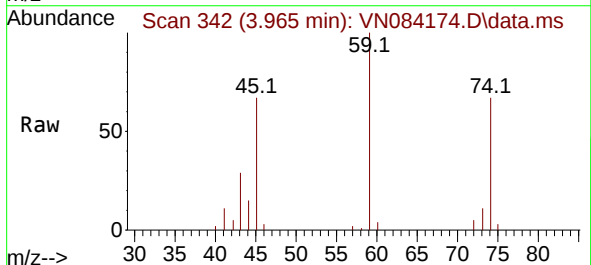
Instrument :  
MSVOA\_N  
ClientSampleId :

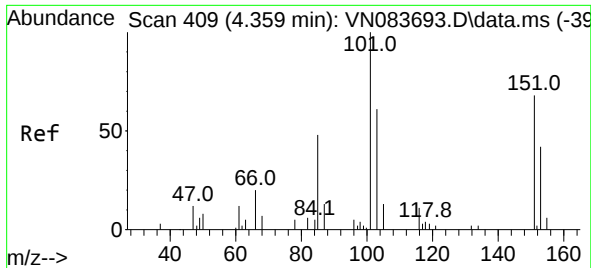
Tgt Ion:101 Resp: 53115  
Ion Ratio Lower Upper  
101 100  
103 62.3 53.0 79.4



#8  
Diethyl Ether  
Concen: 18.153 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. 0.012 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 74 Resp: 21028  
Ion Ratio Lower Upper  
74 100  
45 100.8 16.4 147.4

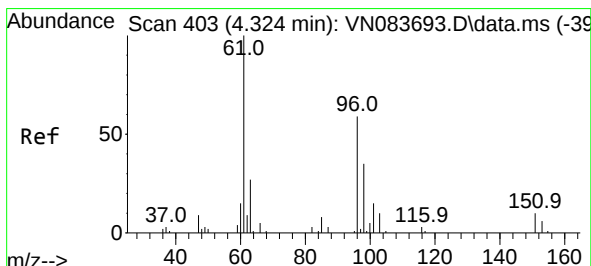
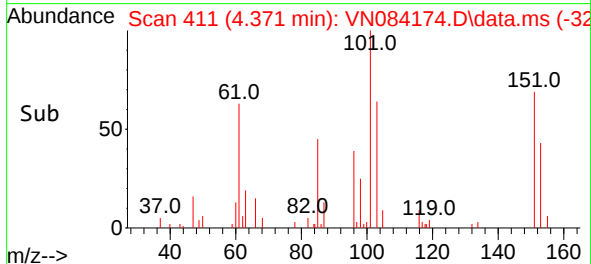
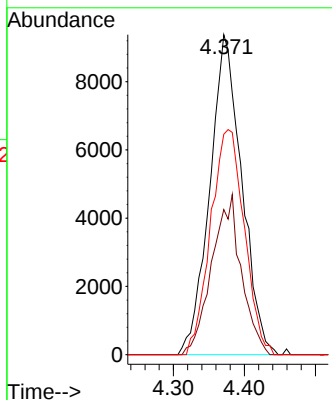
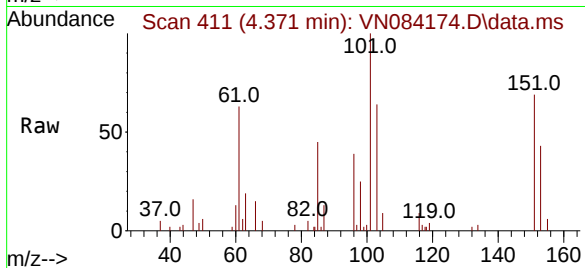




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 16.022 ug/l  
 RT: 4.371 min Scan# 411  
 Delta R.T. 0.012 min  
 Lab File: VN084174.D  
 Acq: 26 Sep 2024 13:06

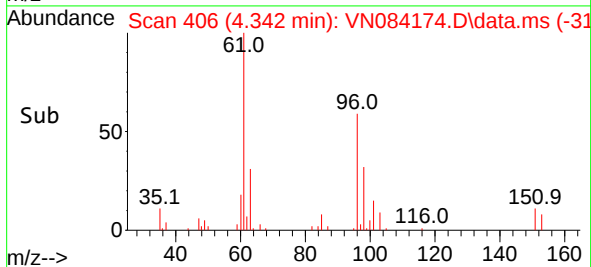
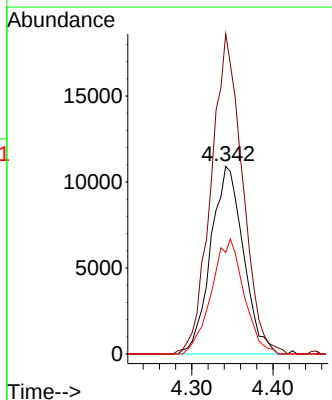
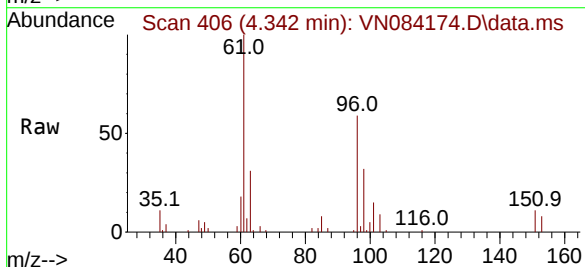
Instrument :  
 MSVOA\_N  
 ClientSampleId :

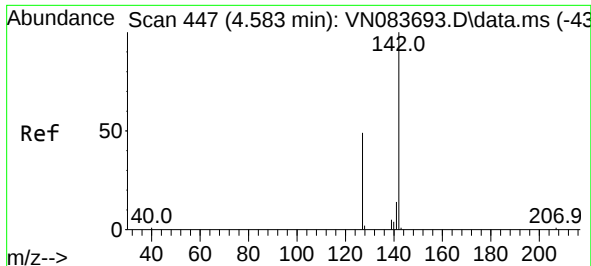
Tgt Ion:101 Resp: 29340  
 Ion Ratio Lower Upper  
 101 100  
 85 46.3 0.0 90.6  
 151 74.0 0.0 157.6



#10  
 1,1-Dichloroethene  
 Concen: 17.206 ug/l  
 RT: 4.342 min Scan# 406  
 Delta R.T. 0.018 min  
 Lab File: VN084174.D  
 Acq: 26 Sep 2024 13:06

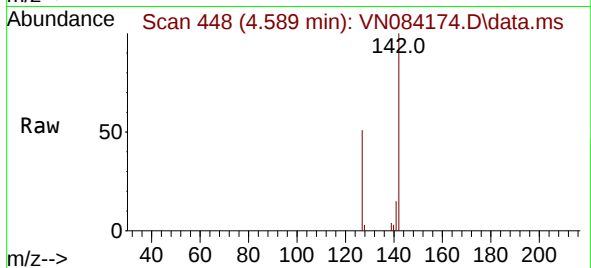
Tgt Ion: 96 Resp: 30400  
 Ion Ratio Lower Upper  
 96 100  
 61 168.8 117.6 176.4  
 98 54.2 48.4 72.6



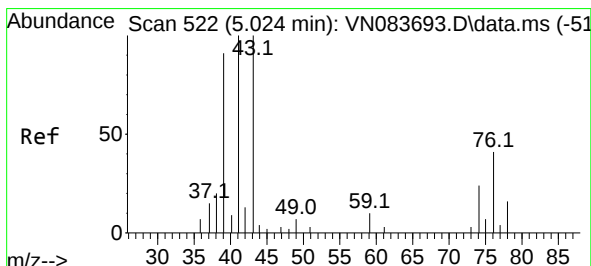
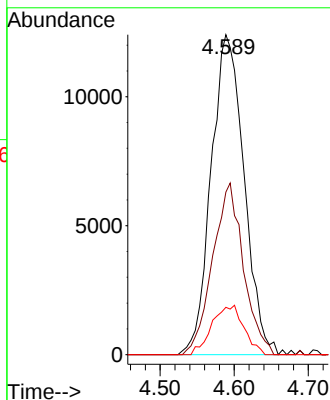
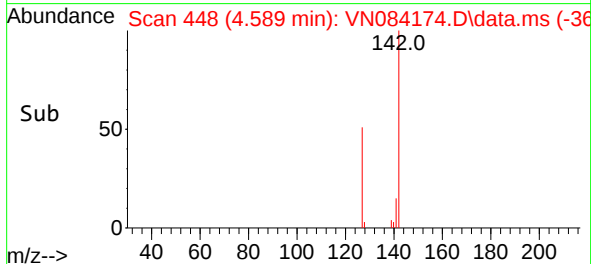


#11  
Methyl Iodide  
Concen: 15.929 ug/l  
RT: 4.589 min Scan# 447  
Delta R.T. 0.006 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Instrument :  
MSVOA\_N  
ClientSampleId :

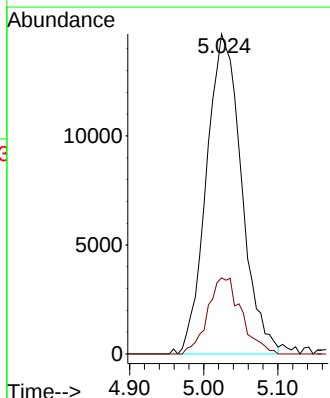
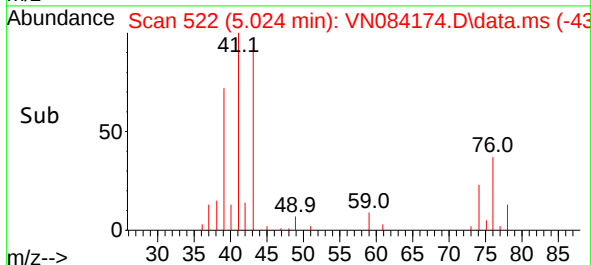
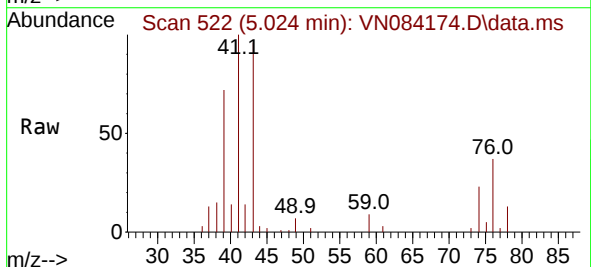


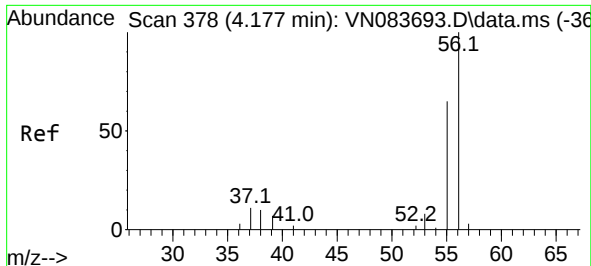
Tgt Ion:142 Resp: 38228  
Ion Ratio Lower Upper  
142 100  
127 50.8 26.3 78.9  
141 14.8 8.3 24.9



#12  
Methyl Acetate  
Concen: 22.584 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 43 Resp: 48124  
Ion Ratio Lower Upper  
43 100  
74 24.0 27.7 41.5#

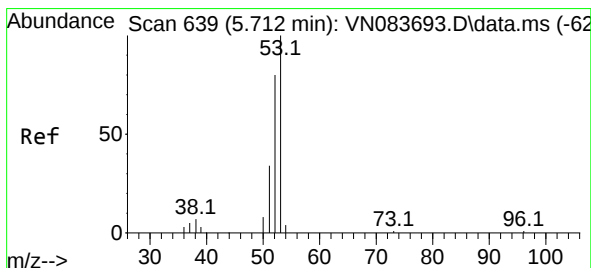
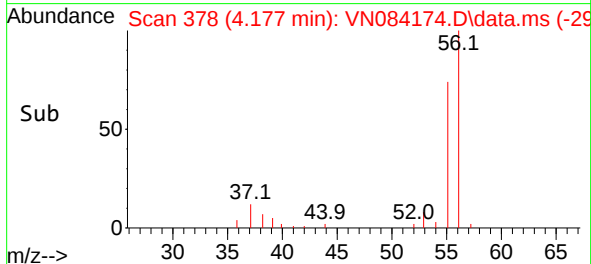
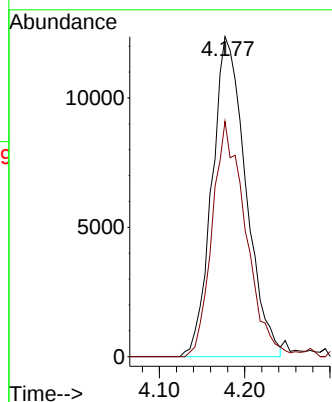
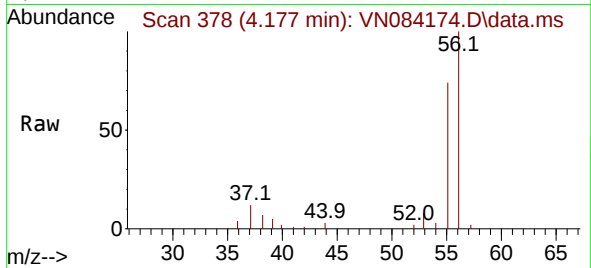




#13  
Acrolein  
Concen: 109.823 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

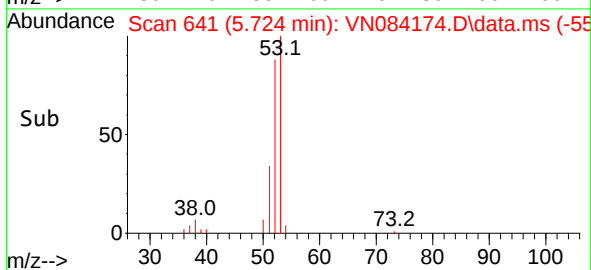
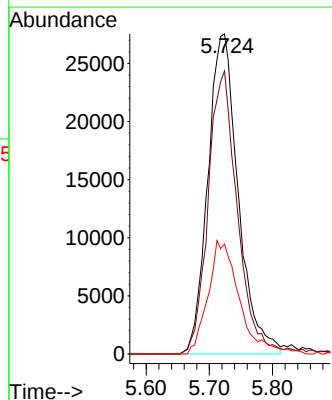
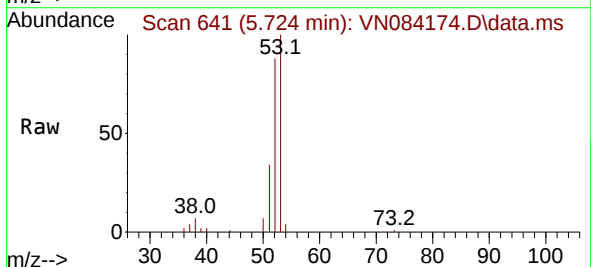
Instrument :  
MSVOA\_N  
ClientSampleId :

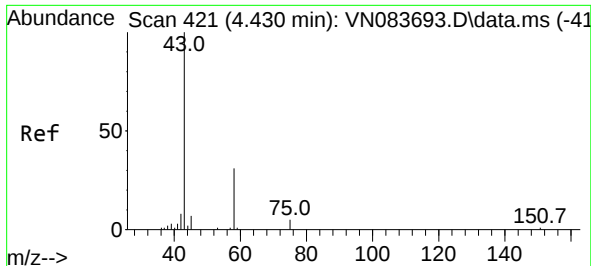
Tgt Ion: 56 Resp: 34152  
Ion Ratio Lower Upper  
56 100  
55 72.3 55.5 83.3



#14  
Acrylonitrile  
Concen: 106.786 ug/l  
RT: 5.724 min Scan# 641  
Delta R.T. 0.012 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 53 Resp: 92083  
Ion Ratio Lower Upper  
53 100  
52 84.5 41.3 123.9  
51 34.0 16.8 50.3





#15

Acetone

Concen: 89.055 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

Instrument :

MSVOA\_N

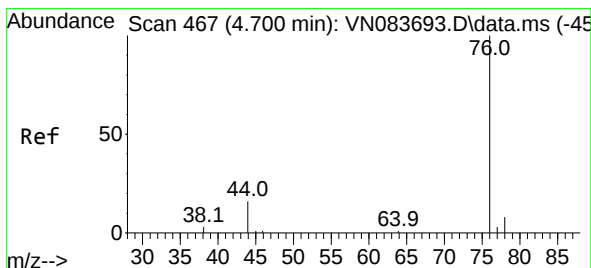
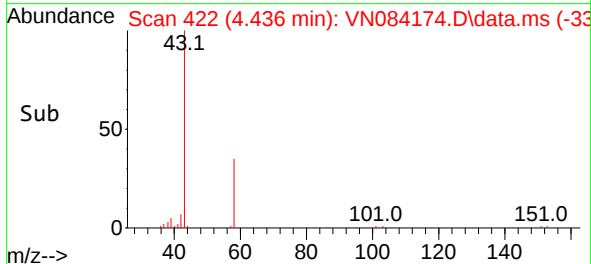
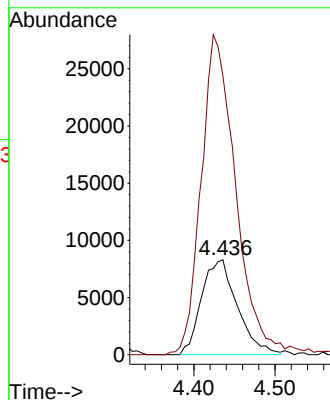
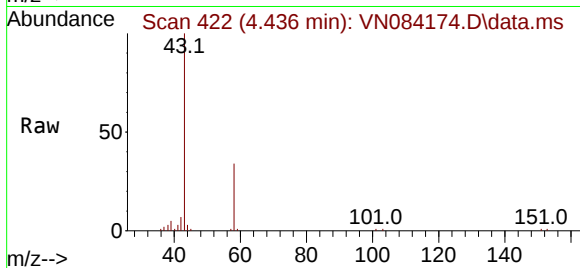
ClientSampleId :

Tgt Ion: 58 Resp: 25474

Ion Ratio Lower Upper

58 100

43 286.2 223.1 334.7



#16

Carbon Disulfide

Concen: 16.669 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.018 min

Lab File: VN084174.D

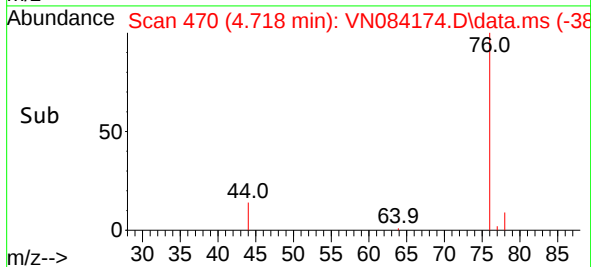
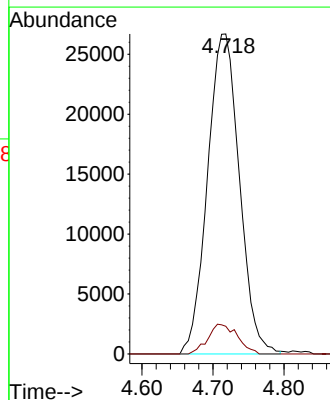
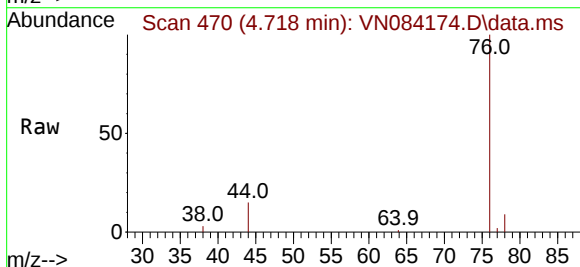
Acq: 26 Sep 2024 13:06

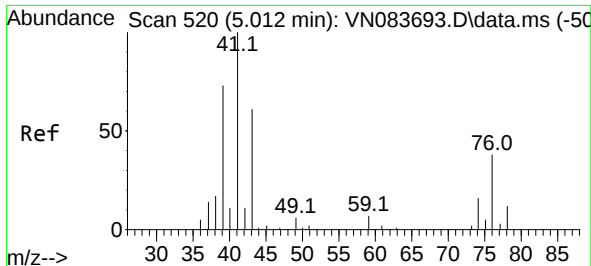
Tgt Ion: 76 Resp: 83234

Ion Ratio Lower Upper

76 100

78 8.7 6.3 9.5





#17

Allyl chloride

Concen: 15.872 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN084174.D

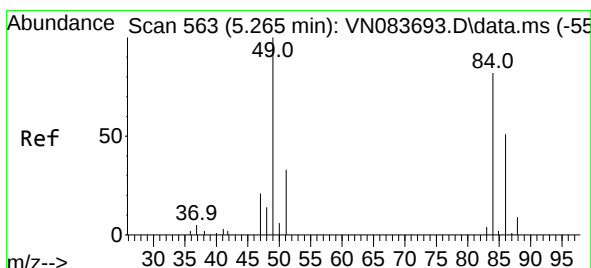
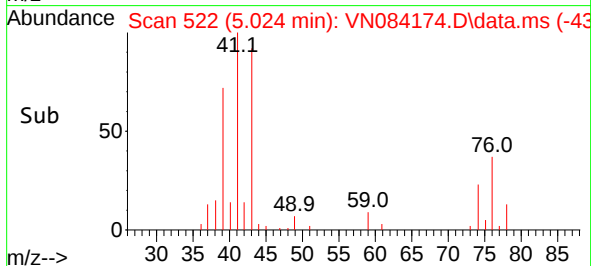
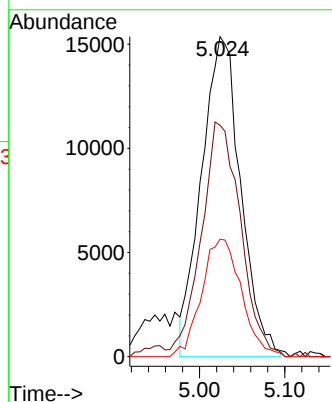
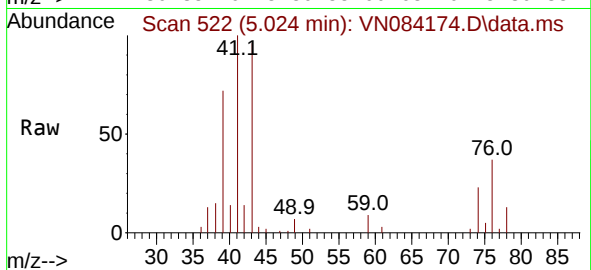
Acq: 26 Sep 2024 13:06

Instrument :

MSVOA\_N

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 49179 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 72.2  | 37.6  | 112.9 |
| 76       | 36.3  | 27.8  | 83.4  |



#18

Methylene Chloride

Concen: 19.324 ug/l

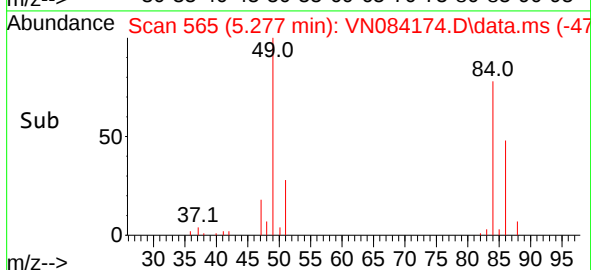
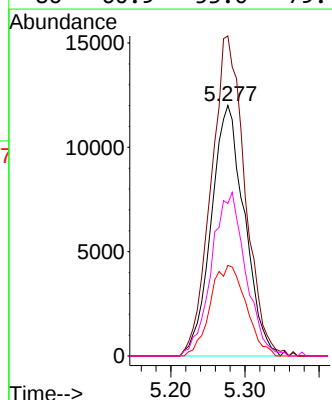
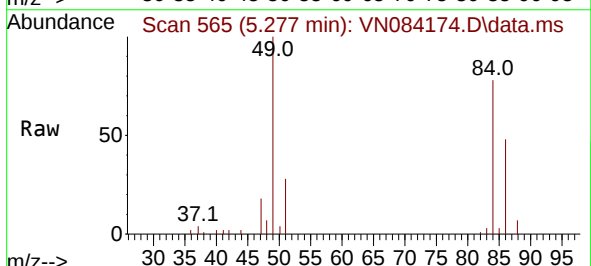
RT: 5.277 min Scan# 565

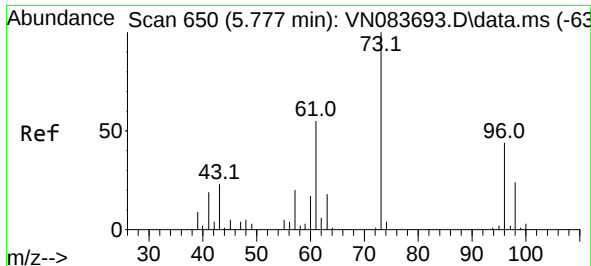
Delta R.T. 0.012 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 37353 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 127.7 | 86.0  | 129.0 |
| 51       | 36.2  | 30.0  | 45.0  |
| 86       | 60.9  | 53.0  | 79.4  |

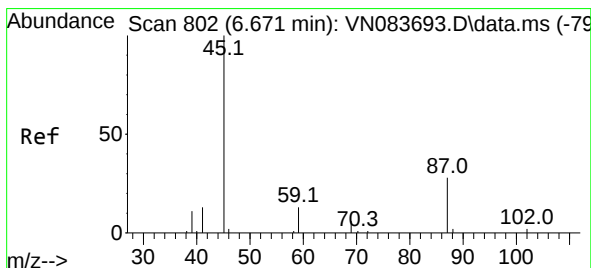
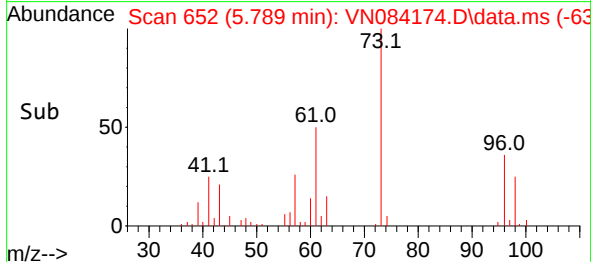
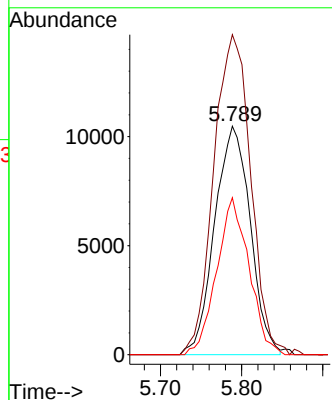
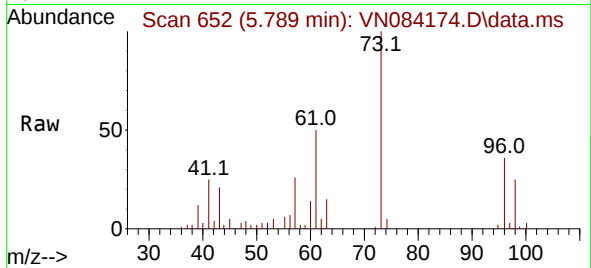




#19  
trans-1,2-Dichloroethene  
Concen: 17.442 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

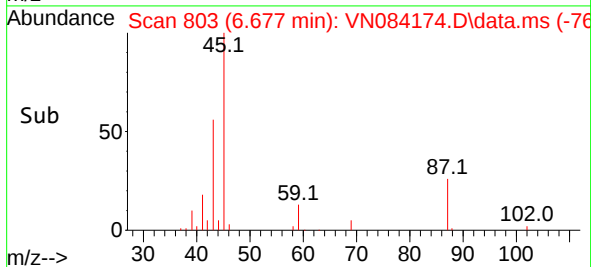
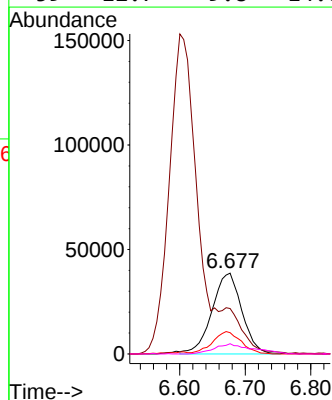
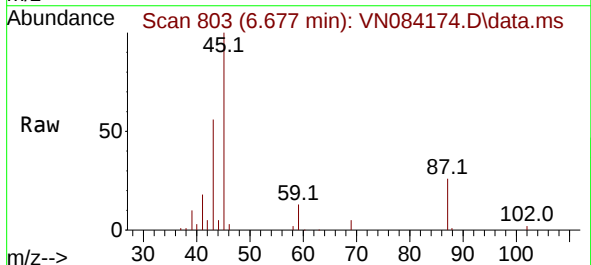
Instrument :  
MSVOA\_N  
ClientSampleId :

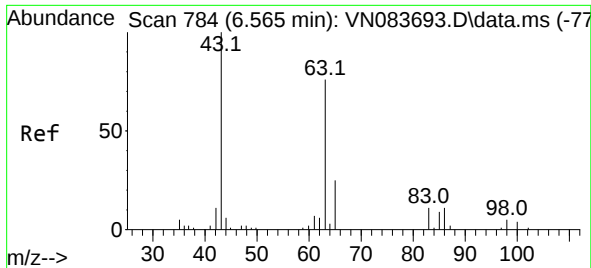
Tgt Ion: 96 Resp: 31940  
Ion Ratio Lower Upper  
96 100  
61 140.0 111.8 167.6  
98 68.7 49.2 73.8



#20  
Diisopropyl ether  
Concen: 19.482 ug/l  
RT: 6.677 min Scan# 803  
Delta R.T. 0.006 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 45 Resp: 121904  
Ion Ratio Lower Upper  
45 100  
43 54.2 40.4 60.6  
87 26.4 23.8 35.8  
59 12.7 9.8 14.6

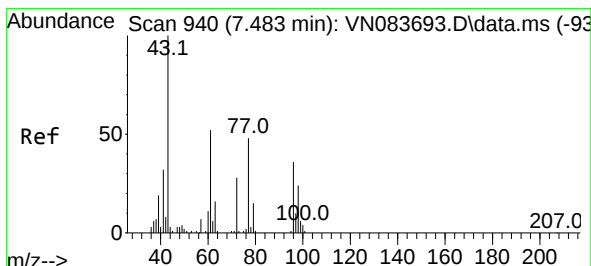
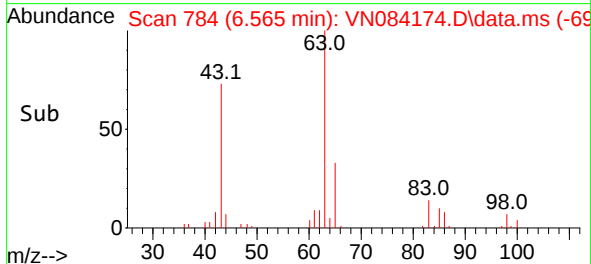
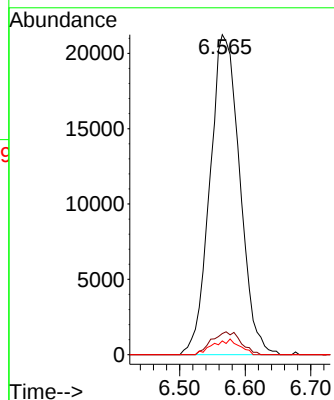
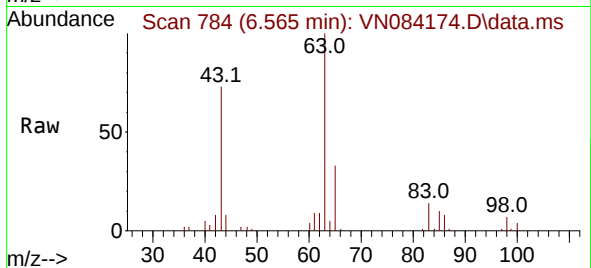




#21  
1,1-Dichloroethane  
Concen: 18.775 ug/l  
RT: 6.565 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

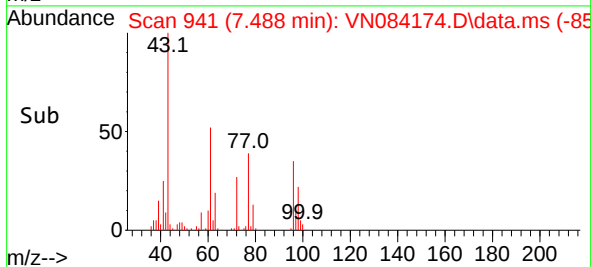
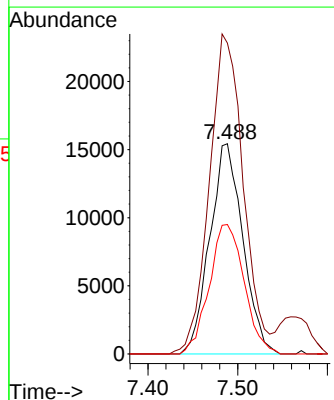
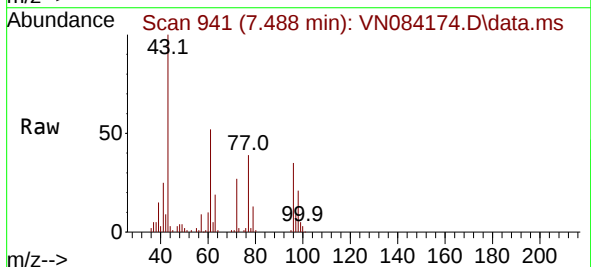
Instrument :  
MSVOA\_N  
ClientSampleId :

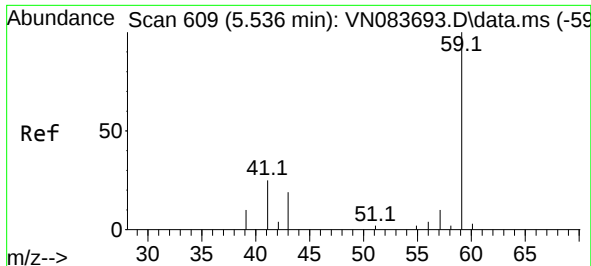
Tgt Ion: 63 Resp: 67073  
Ion Ratio Lower Upper  
63 100  
98 6.6 4.1 12.3  
100 4.3 3.0 9.0



#22  
cis-1,2-Dichloroethene  
Concen: 17.742 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 96 Resp: 39543  
Ion Ratio Lower Upper  
96 100  
61 155.5 113.5 170.3  
98 65.1 52.0 78.0

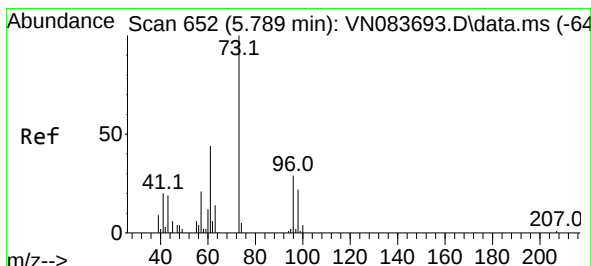
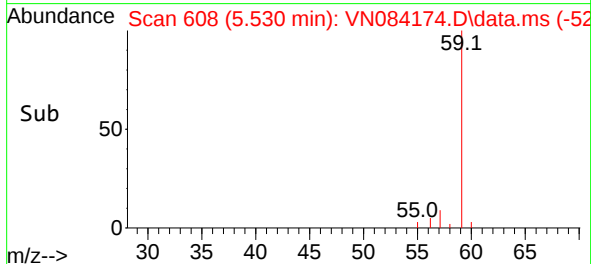
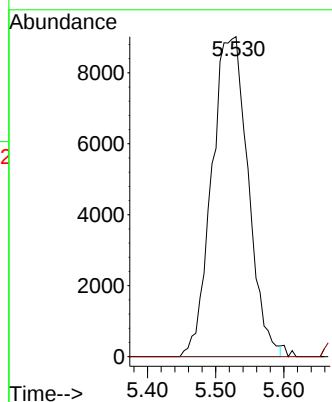
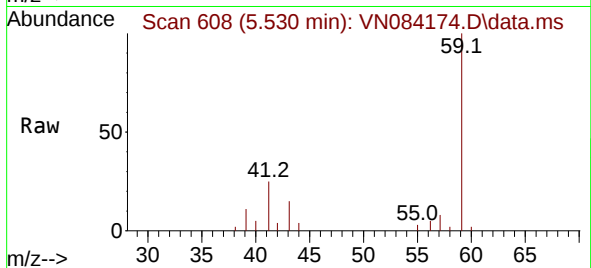




#23  
tert-Butyl Alcohol  
Concen: 105.517 ug/l  
RT: 5.530 min Scan# 609  
Delta R.T. -0.006 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

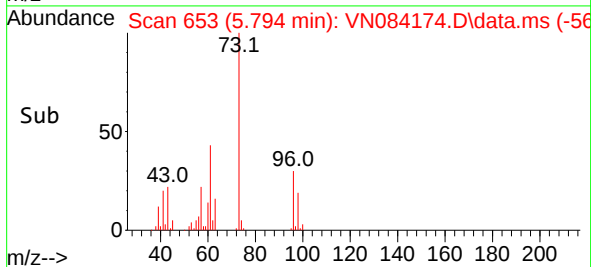
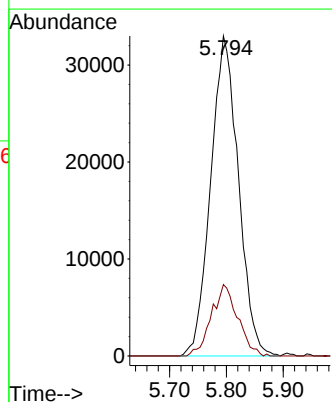
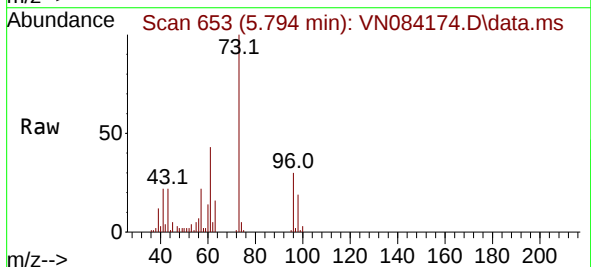
Instrument :  
MSVOA\_N  
ClientSampleId :

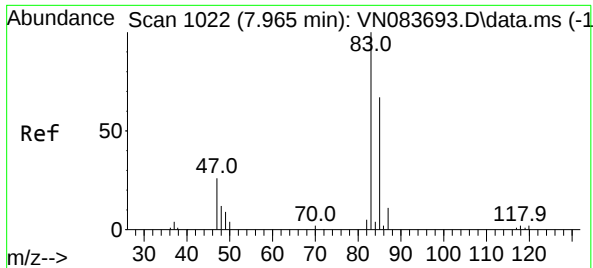
Tgt Ion: 59 Resp: 33389  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 17.801 ug/l  
RT: 5.794 min Scan# 653  
Delta R.T. 0.006 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 73 Resp: 111768  
Ion Ratio Lower Upper  
73 100  
43 21.2 13.4 20.2#

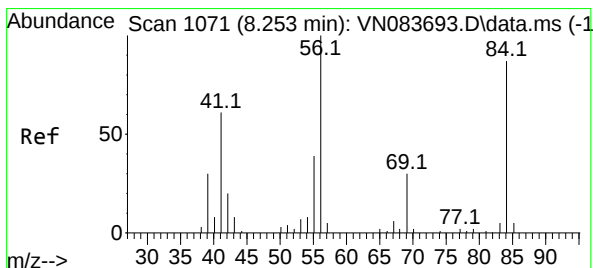
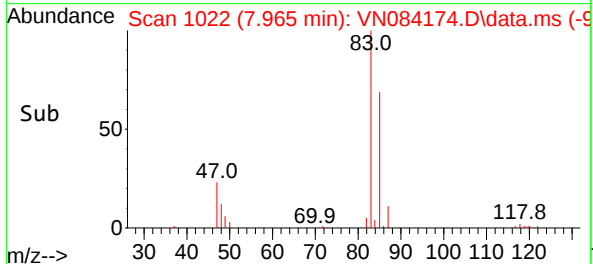
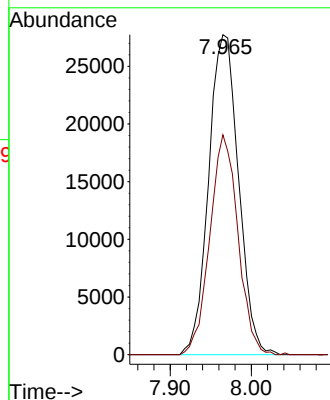
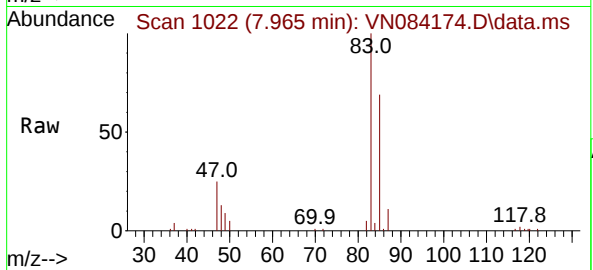




#25  
Chloroform  
Concen: 18.765 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

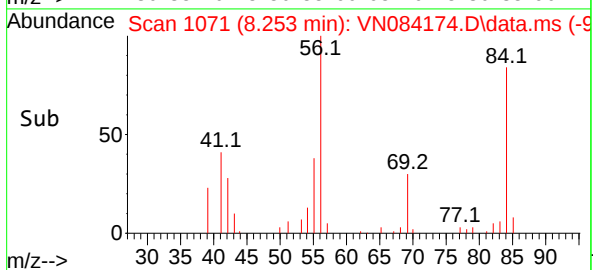
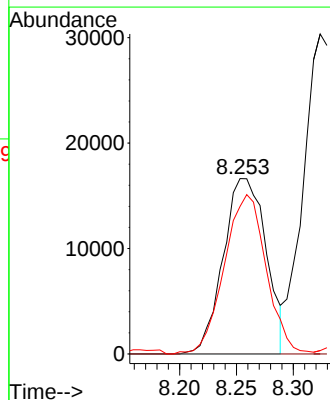
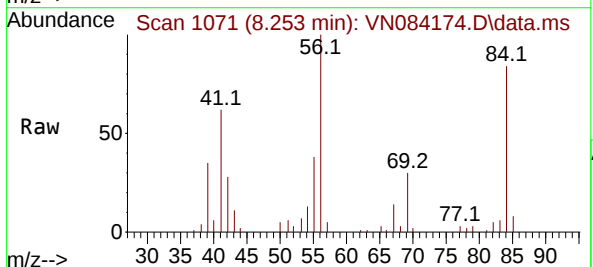
Instrument :  
MSVOA\_N  
ClientSampleId :

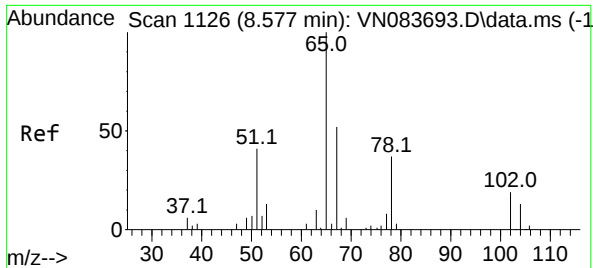
Tgt Ion: 83 Resp: 71044  
Ion Ratio Lower Upper  
83 100  
85 68.7 50.9 76.3



#26  
Cyclohexane  
Concen: 13.918 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 56 Resp: 43793  
Ion Ratio Lower Upper  
56 100  
89 0.0 19.3 28.9#  
84 88.2 71.3 106.9

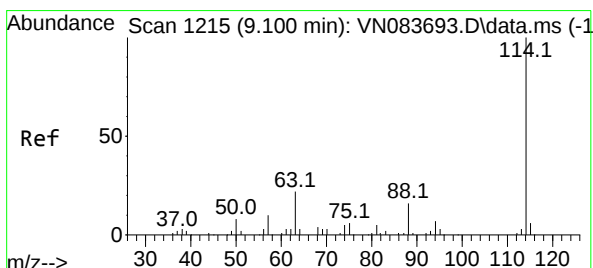
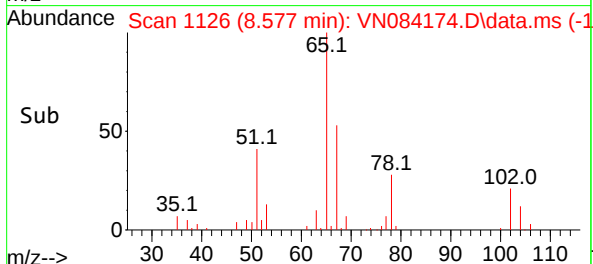
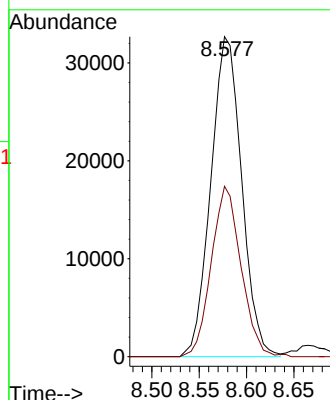
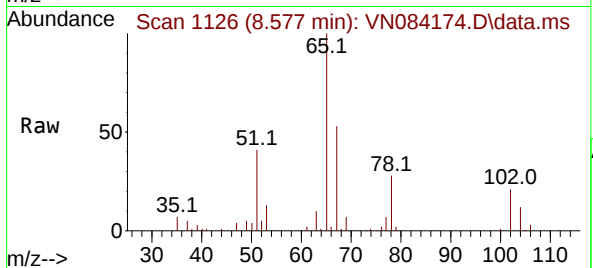




#27  
1,2-Dichloroethane-d4  
Concen: 28.478 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

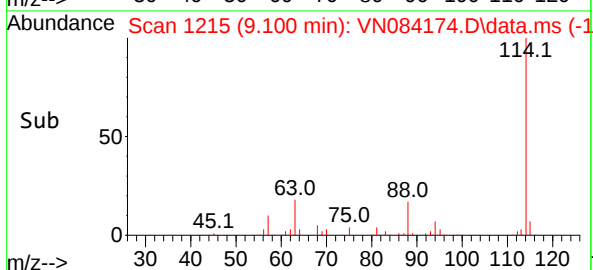
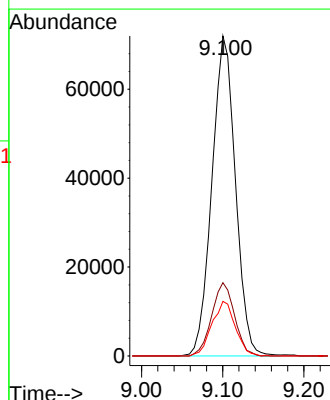
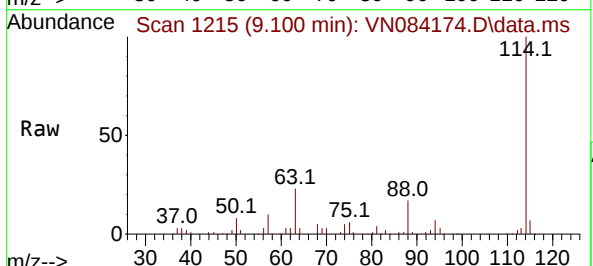
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 65 Resp: 74000  
Ion Ratio Lower Upper  
65 100  
67 51.1 43.2 64.8



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

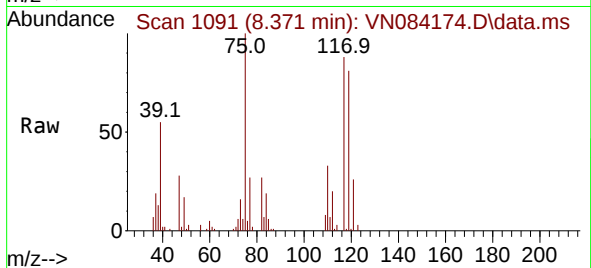
Tgt Ion: 114 Resp: 144902  
Ion Ratio Lower Upper  
114 100  
63 22.2 15.9 23.9  
88 17.0 12.7 19.1



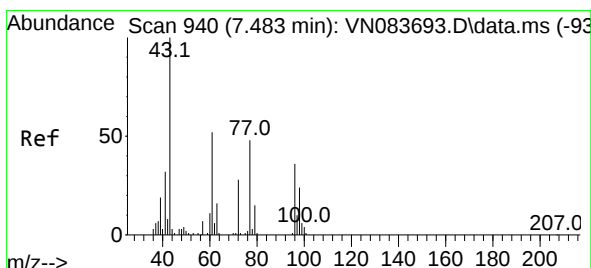
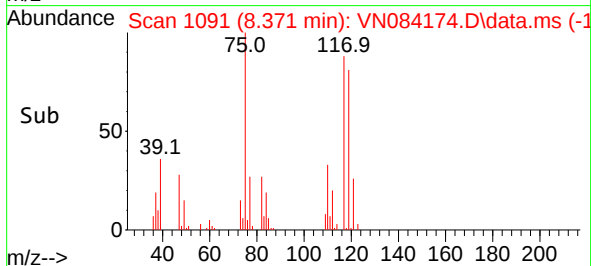
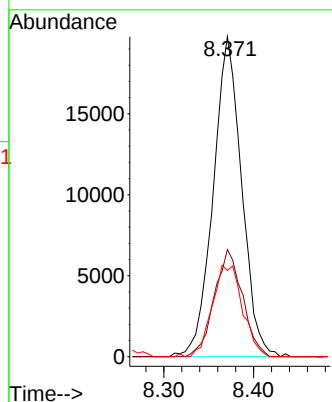


#29  
1,1-Dichloropropene  
Concen: 18.855 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. 0.006 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Instrument :  
MSVOA\_N  
ClientSampleId :

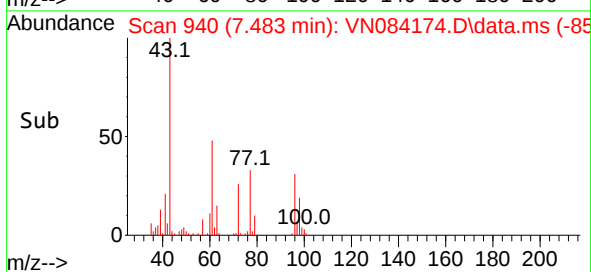
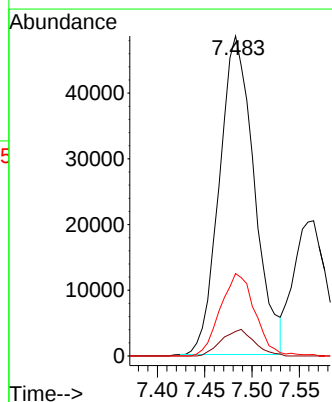
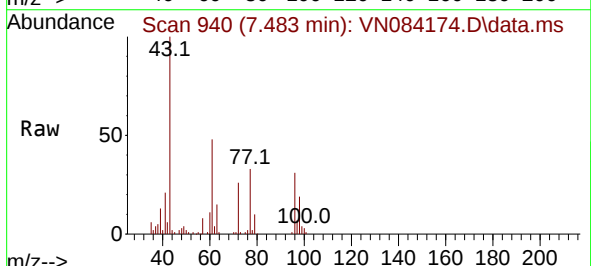


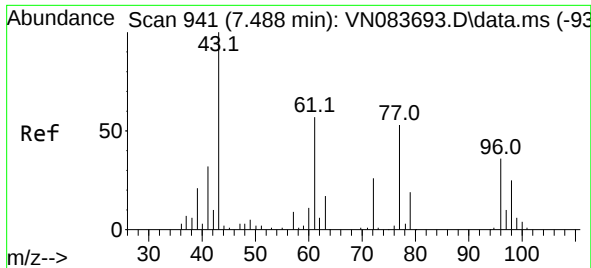
Tgt Ion: 75 Resp: 43335  
Ion Ratio Lower Upper  
75 100  
110 33.3 0.0 70.2  
77 30.3 0.0 61.4



#30  
2-Butanone  
Concen: 114.554 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 43 Resp: 124109  
Ion Ratio Lower Upper  
43 100  
57 7.8 6.7 10.1  
72 25.4 24.0 36.0





#31

2,2-Dichloropropane

Concen: 16.485 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

Instrument :

MSVOA\_N

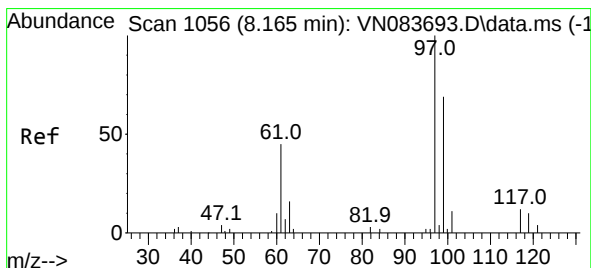
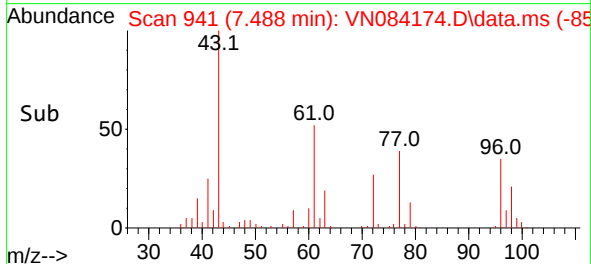
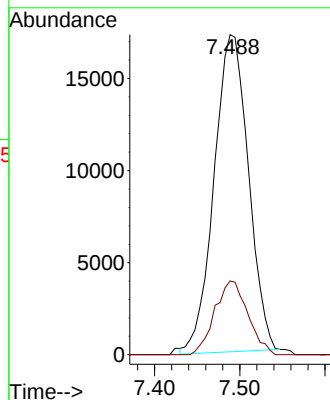
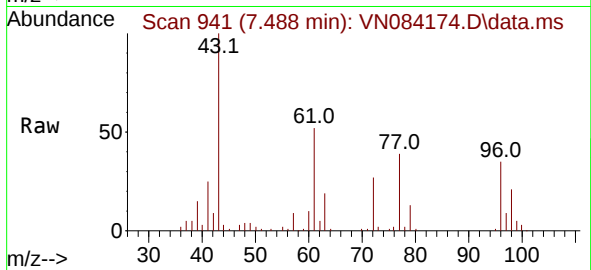
ClientSampleId :

Tgt Ion: 77 Resp: 48304

Ion Ratio Lower Upper

77 100

97 22.4 18.3 27.5



#32

1,1,1-Trichloroethane

Concen: 19.223 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

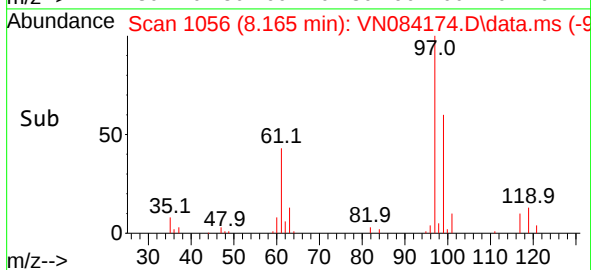
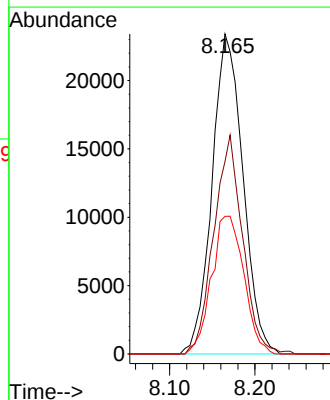
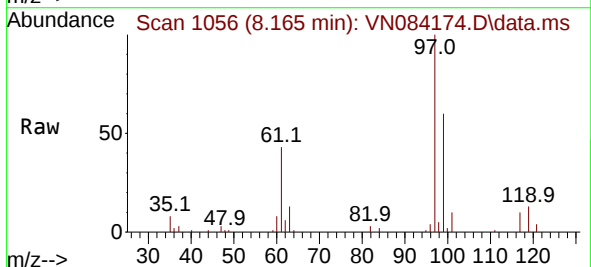
Tgt Ion: 97 Resp: 59002

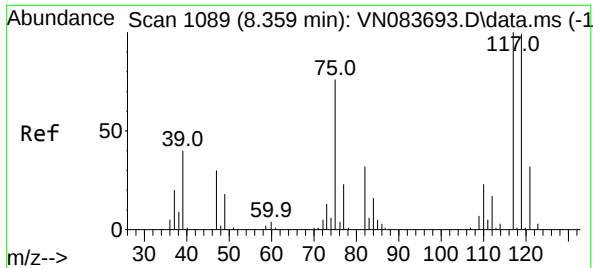
Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.4

61 45.0 33.8 50.8

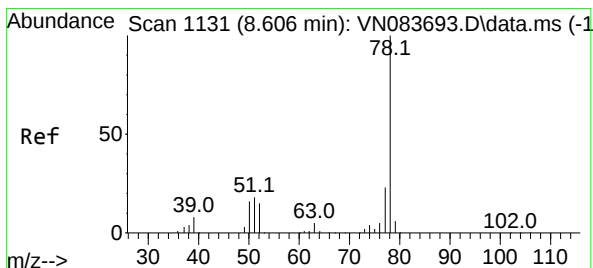
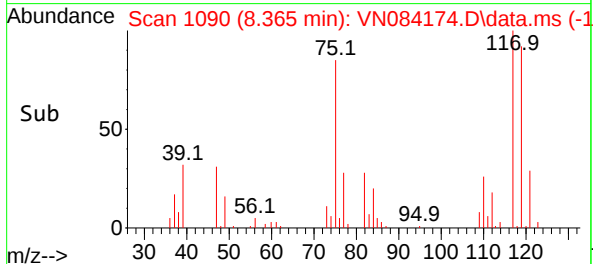
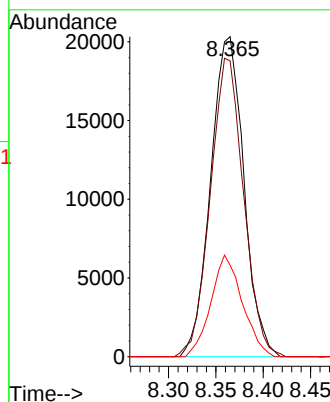
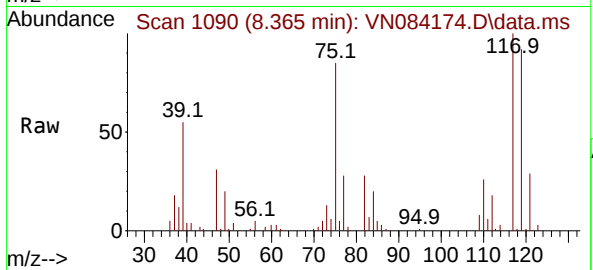




#33  
Carbon Tetrachloride  
Concen: 18.632 ug/l  
RT: 8.365 min Scan# 1109  
Delta R.T. 0.006 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

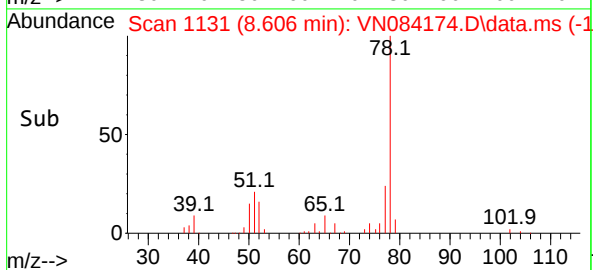
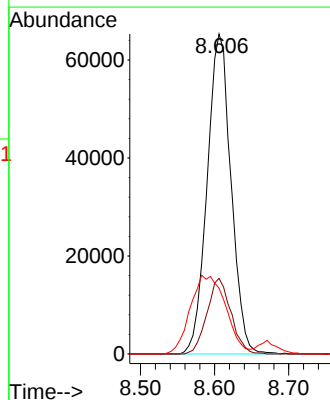
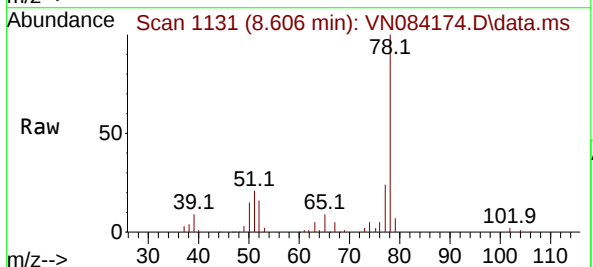
Instrument :  
MSVOA\_N  
ClientSampleId :

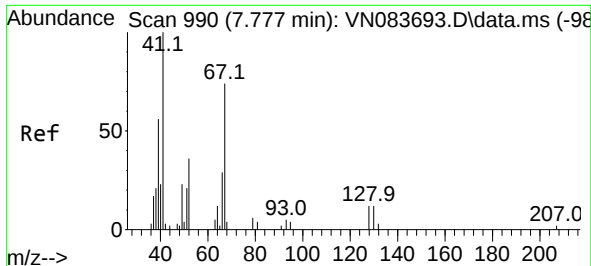
Tgt Ion:117 Resp: 49525  
Ion Ratio Lower Upper  
117 100  
119 91.5 77.7 116.5  
121 28.6 27.0 40.6



#34  
Benzene  
Concen: 21.175 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

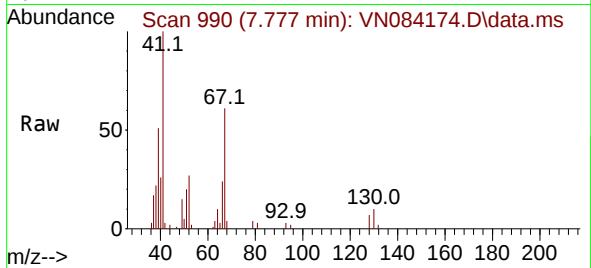
Tgt Ion: 78 Resp: 146027  
Ion Ratio Lower Upper  
78 100  
77 23.6 19.2 28.8  
51 18.8 13.3 19.9



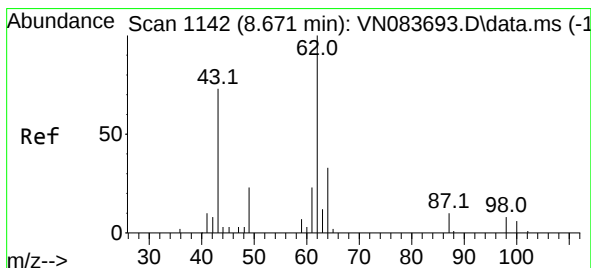
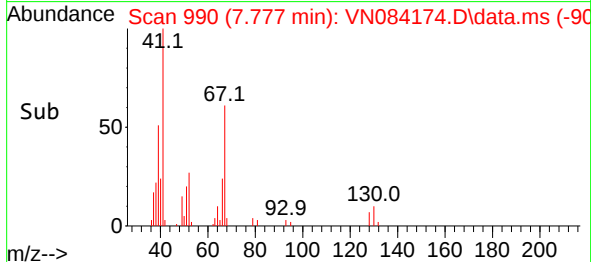
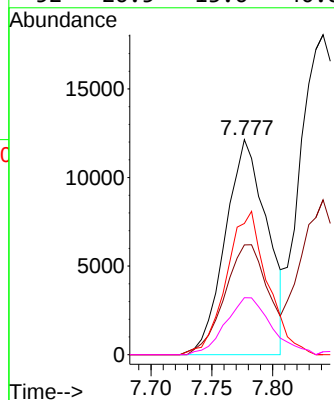


#35  
Methacrylonitrile  
Concen: 23.858 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Instrument :  
MSVOA\_N  
ClientSampleId :

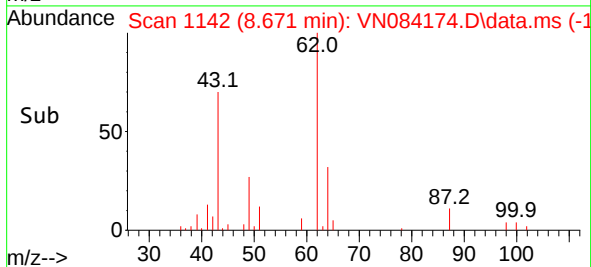
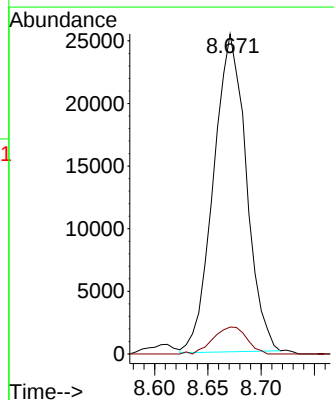
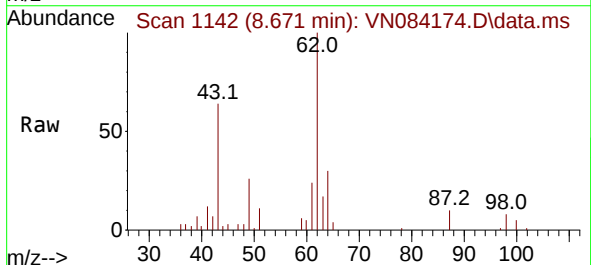


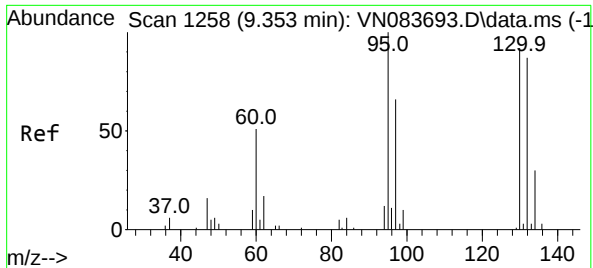
Tgt Ion: 41 Resp: 29057  
Ion Ratio Lower Upper  
41 100  
39 51.0 25.3 75.9  
67 61.0 38.7 116.1  
52 26.5 13.6 40.8



#36  
1,2-Dichloroethane  
Concen: 20.935 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 62 Resp: 54274  
Ion Ratio Lower Upper  
62 100  
98 8.6 8.2 12.4

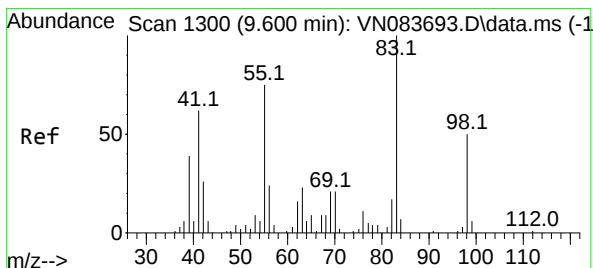
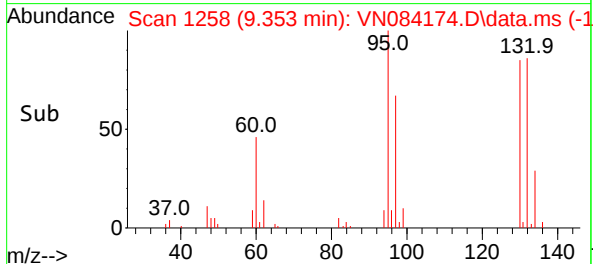
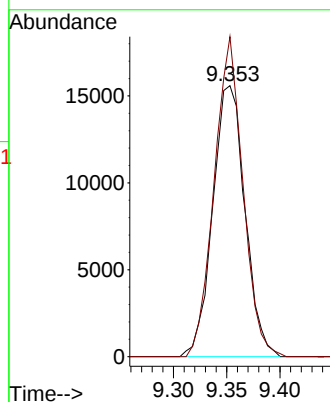
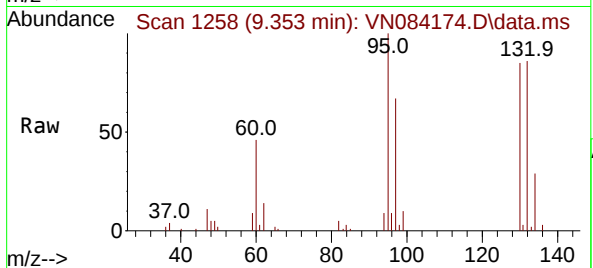




#37  
Trichloroethene  
Concen: 20.233 ug/l  
RT: 9.353 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

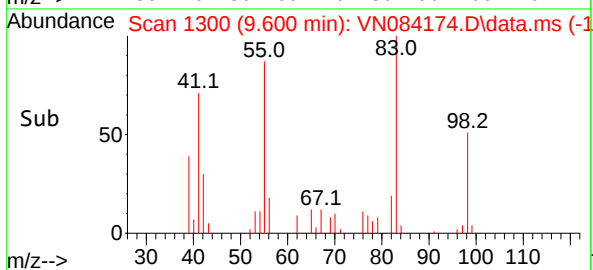
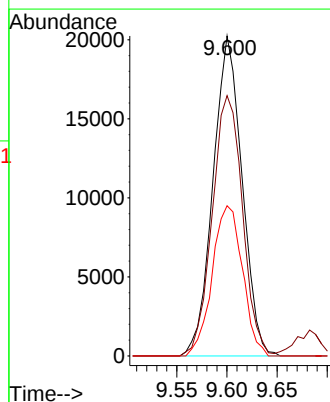
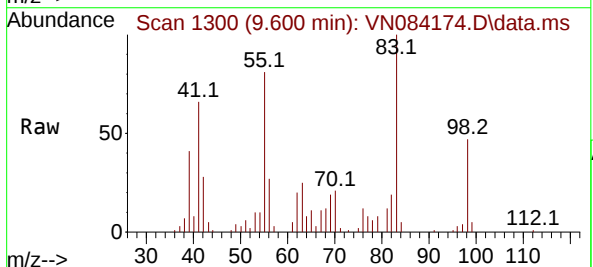
Instrument :  
MSVOA\_N  
ClientSampleId :

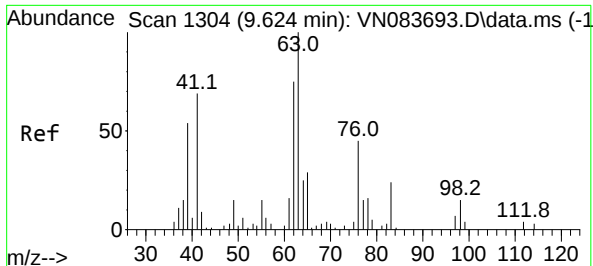
Tgt Ion:130 Resp: 32764  
Ion Ratio Lower Upper  
130 100  
95 118.0 80.2 120.4



#38  
Methylcyclohexane  
Concen: 14.796 ug/l  
RT: 9.600 min Scan# 1300  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 83 Resp: 40712  
Ion Ratio Lower Upper  
83 100  
55 85.0 36.6 109.9  
98 48.9 23.8 71.5





#39

1,2-Dichloropropane

Concen: 22.341 ug/l

RT: 9.624 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

Instrument :

MSVOA\_N

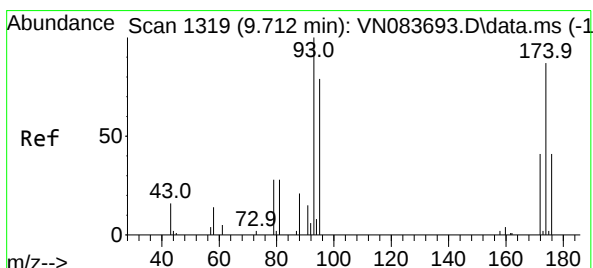
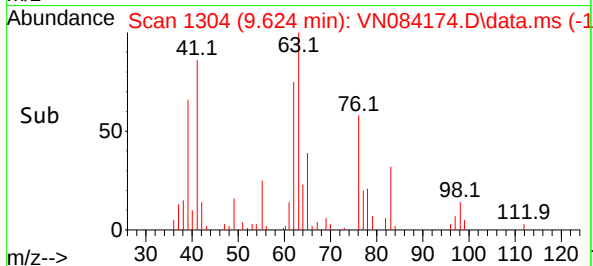
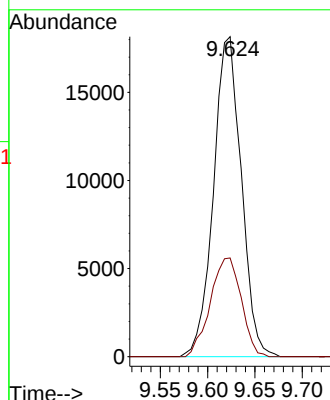
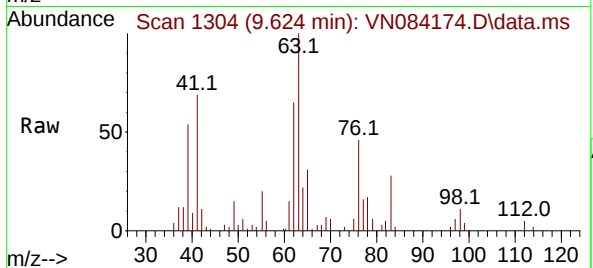
ClientSampleId :

Tgt Ion: 63 Resp: 37079

Ion Ratio Lower Upper

63 100

65 30.9 25.0 37.4



#40

Dibromomethane

Concen: 21.976 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

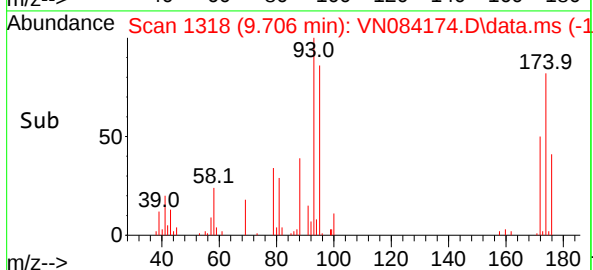
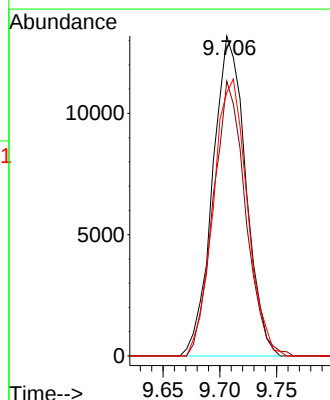
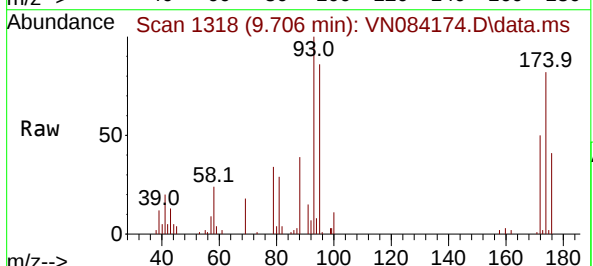
Tgt Ion: 93 Resp: 26669

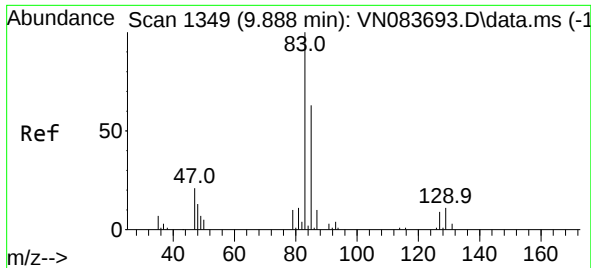
Ion Ratio Lower Upper

93 100

95 83.7 0.0 164.6

174 88.9 0.0 193.2

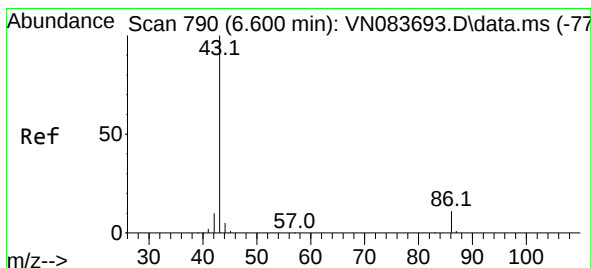
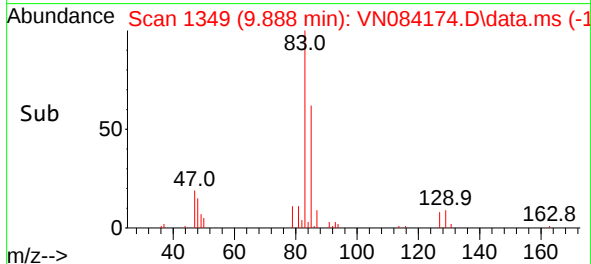
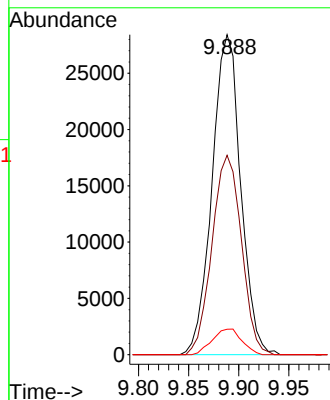
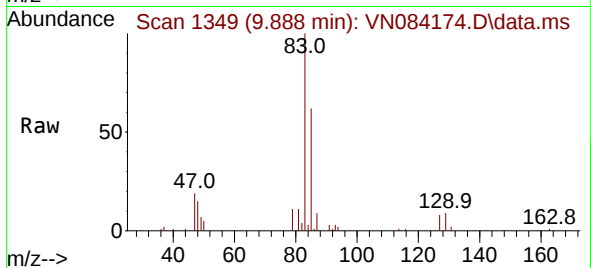




#41  
Bromodichloromethane  
Concen: 21.859 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

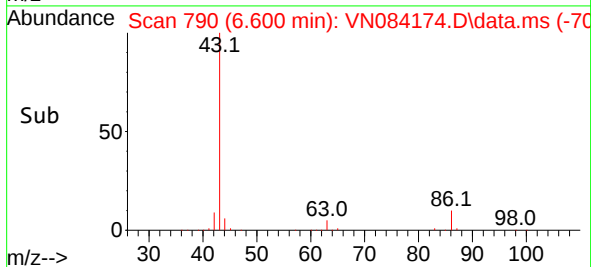
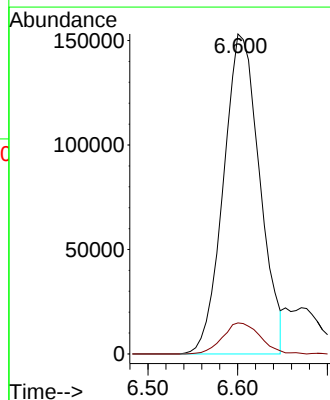
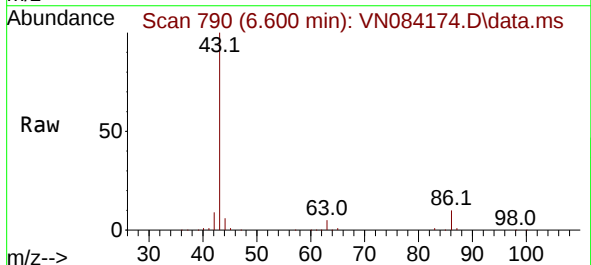
Instrument :  
MSVOA\_N  
ClientSampleId :

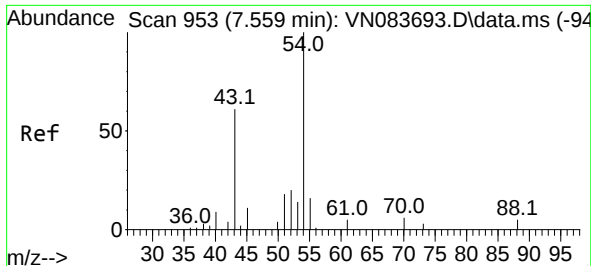
Tgt Ion: 83 Resp: 56410  
Ion Ratio Lower Upper  
83 100  
85 62.3 49.4 74.2  
127 8.0 7.3 10.9



#42  
Vinyl Acetate  
Concen: 96.491 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 43 Resp: 429813  
Ion Ratio Lower Upper  
43 100  
86 10.0 9.4 14.2

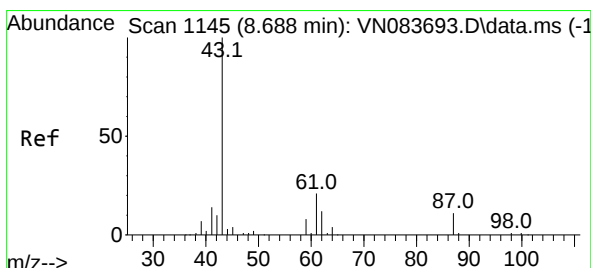
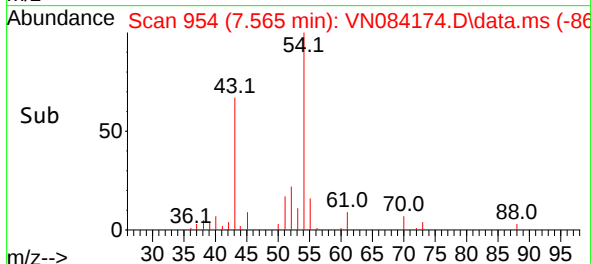
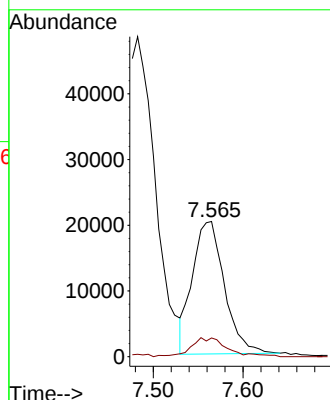
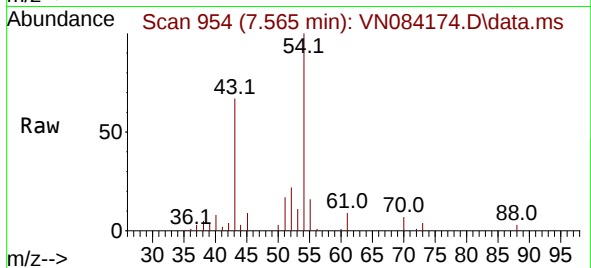




#43  
Ethyl Acetate  
Concen: 22.934 ug/l  
RT: 7.565 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

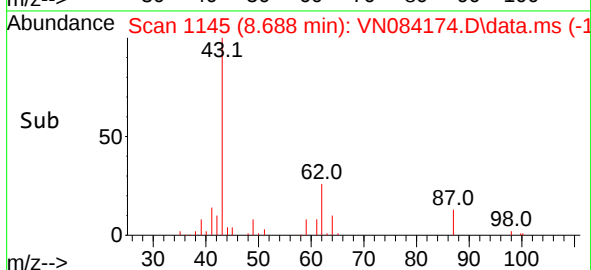
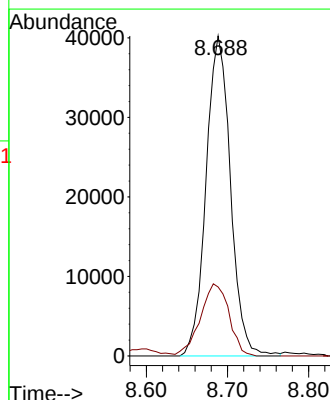
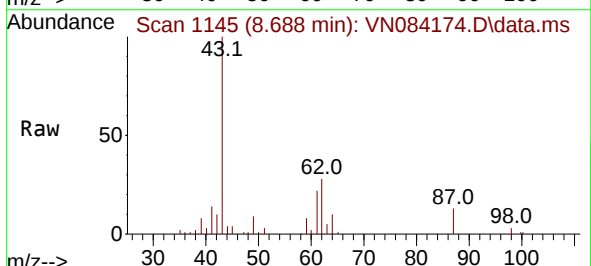
Instrument :  
MSVOA\_N  
ClientSampleId :

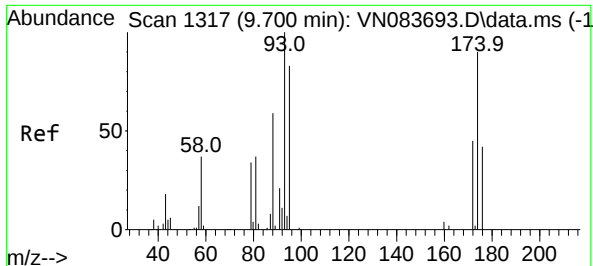
Tgt Ion: 43 Resp: 50011  
Ion Ratio Lower Upper  
43 100  
45 6.4 10.6 15.8#



#44  
Isopropyl Acetate  
Concen: 22.324 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 43 Resp: 84201  
Ion Ratio Lower Upper  
43 100  
61 26.4 25.0 37.4





#45

1,4-Dioxane

Concen: 459.687 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.006 min

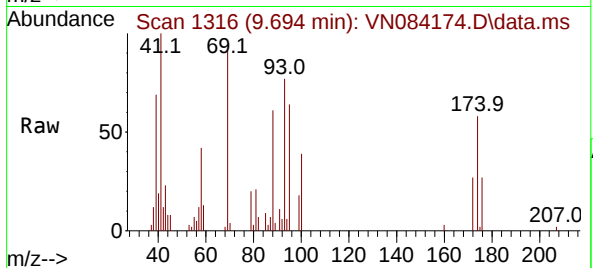
Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

Instrument :

MSVOA\_N

ClientSampleId :



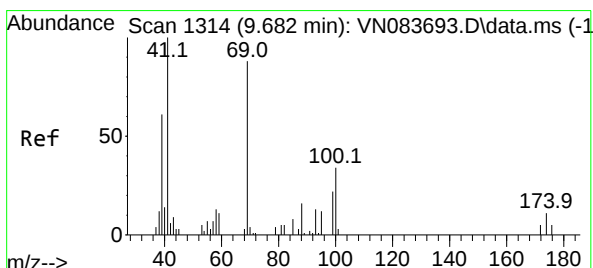
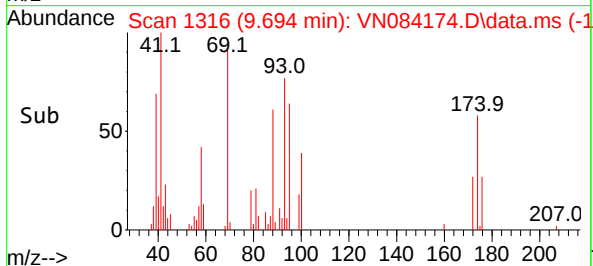
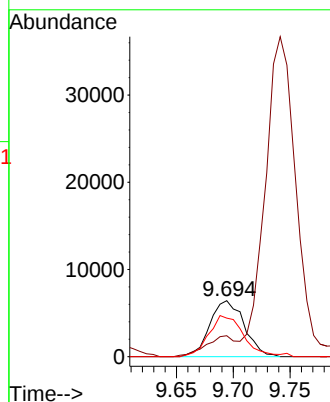
Tgt Ion: 88 Resp: 13523

Ion Ratio Lower Upper

88 100

43 34.6 19.8 29.6#

58 73.9 55.4 83.0



#46

Methyl methacrylate

Concen: 21.754 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

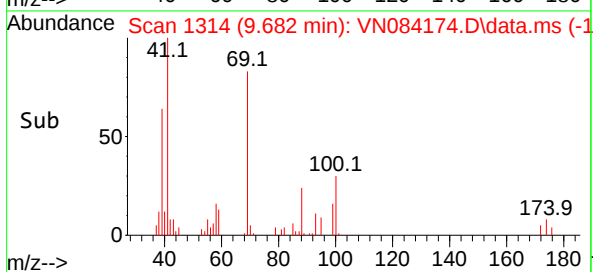
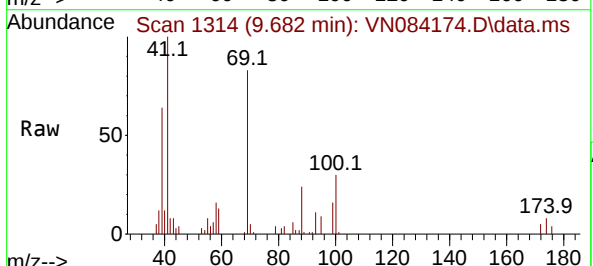
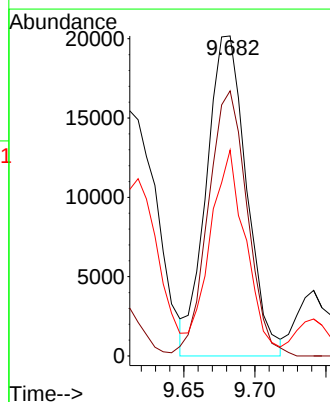
Tgt Ion: 41 Resp: 39714

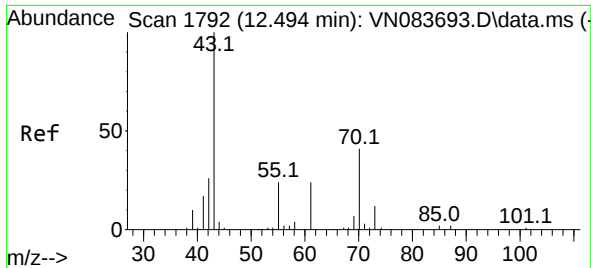
Ion Ratio Lower Upper

41 100

69 84.7 51.1 153.3

39 65.0 25.8 77.3

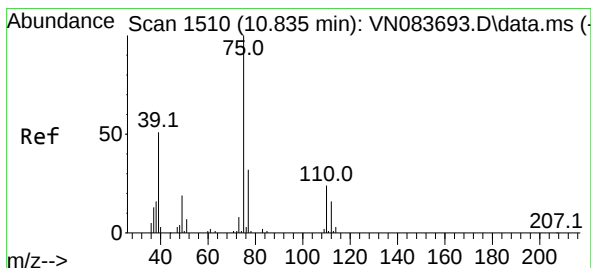
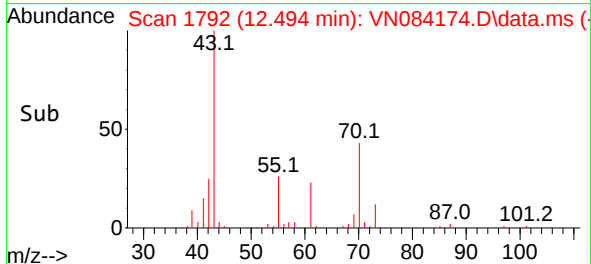
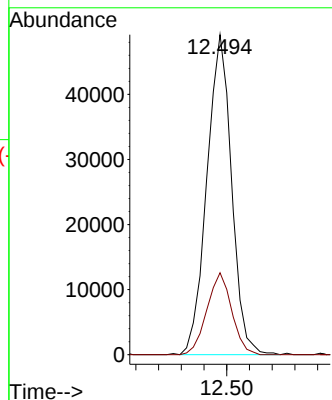
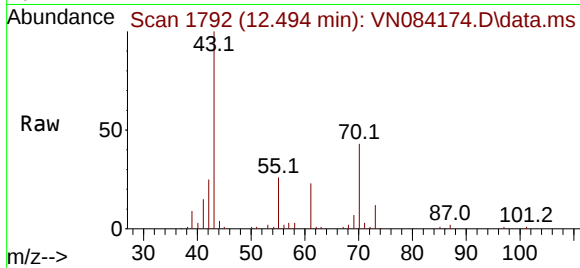




#47  
n-amyl acetate  
Concen: 22.203 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

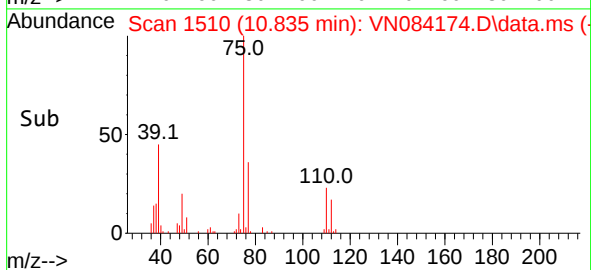
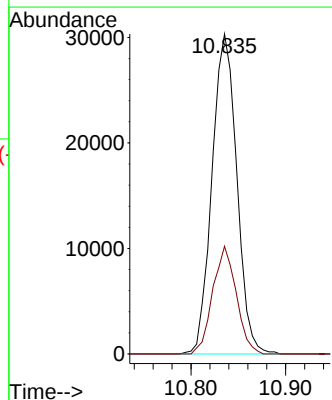
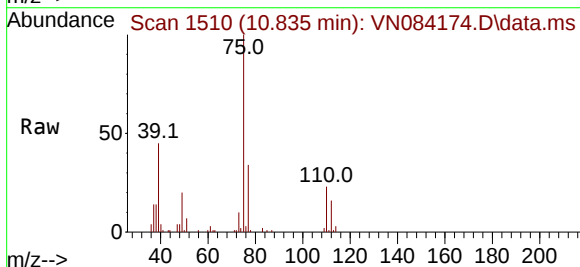
Instrument :  
MSVOA\_N  
ClientSampleId :

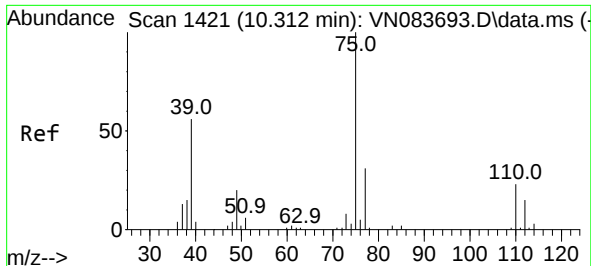
Tgt Ion: 43 Resp: 74179  
Ion Ratio Lower Upper  
43 100  
55 25.7 23.4 35.2



#48  
t-1,3-Dichloropropene  
Concen: 20.312 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 75 Resp: 55136  
Ion Ratio Lower Upper  
75 100  
77 33.7 23.8 35.6





#49

cis-1,3-Dichloropropene

Concen: 20.865 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.000 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

Instrument :

MSVOA\_N

ClientSampleId :

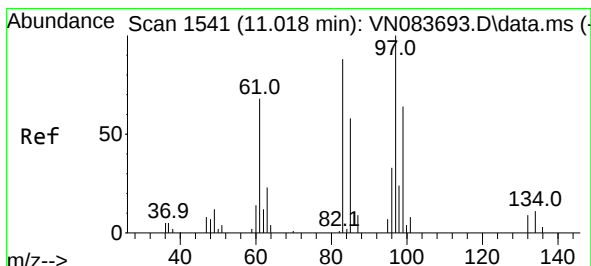
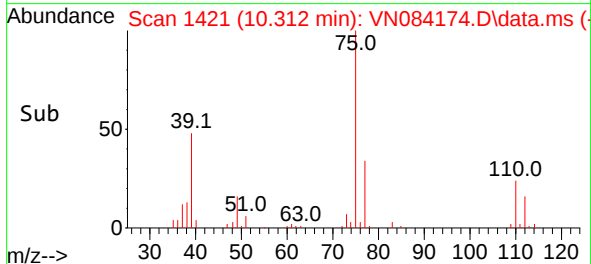
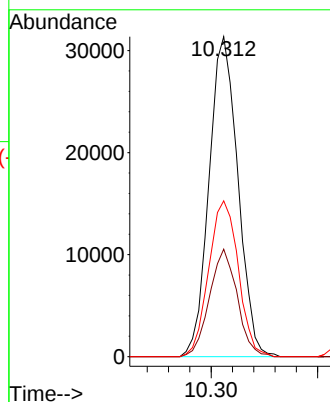
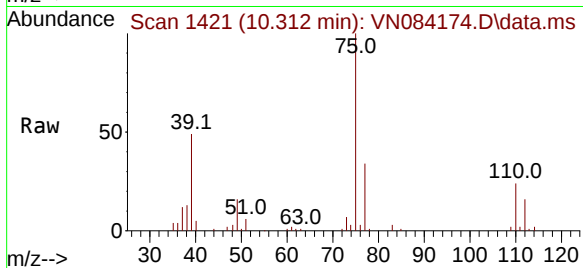
Tgt Ion: 75 Resp: 58903

Ion Ratio Lower Upper

75 100

77 33.6 24.9 37.3

39 48.7 31.0 46.6#



#50

1,1,2-Trichloroethane

Concen: 23.072 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

Tgt Ion: 97 Resp: 35628

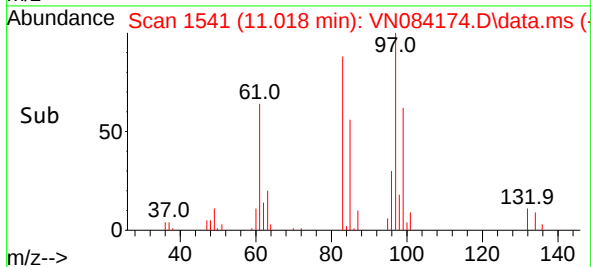
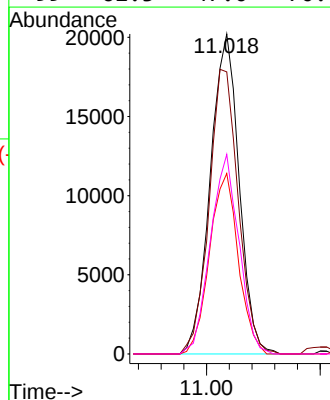
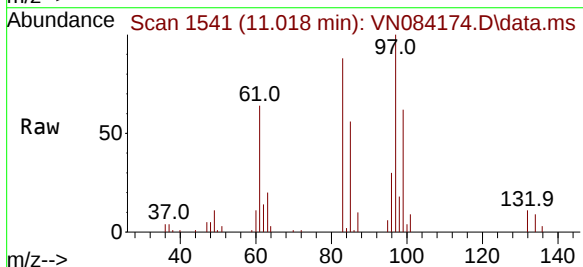
Ion Ratio Lower Upper

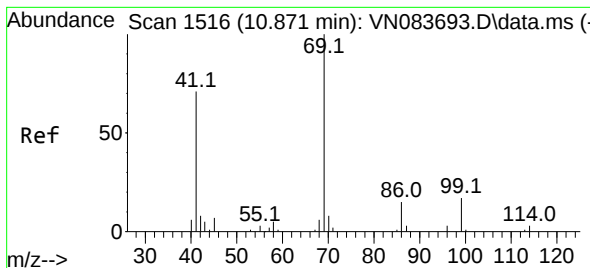
97 100

83 88.2 68.1 102.1

85 56.4 41.8 62.6

99 62.3 47.0 70.4

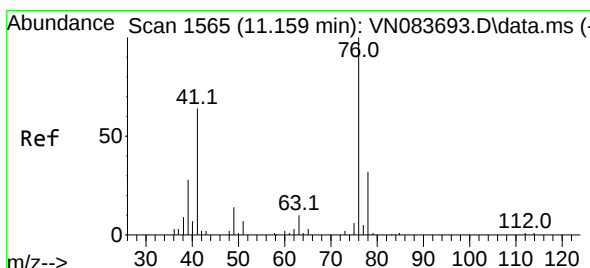
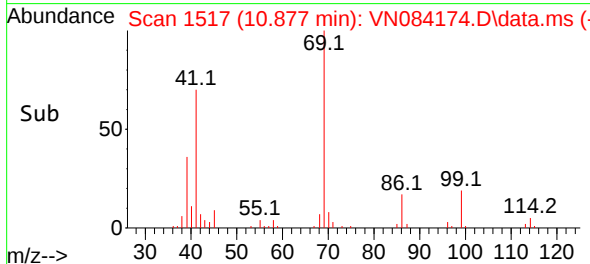
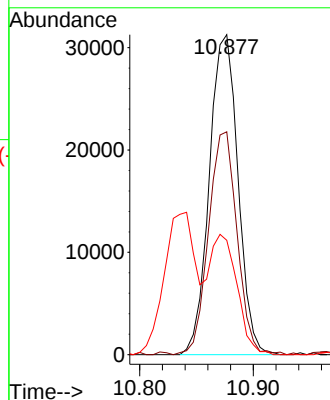
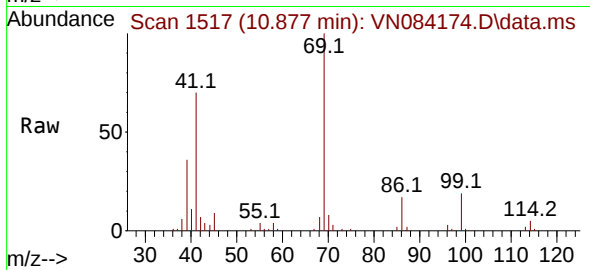




#51  
Ethyl methacrylate  
Concen: 20.794 ug/l  
RT: 10.877 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

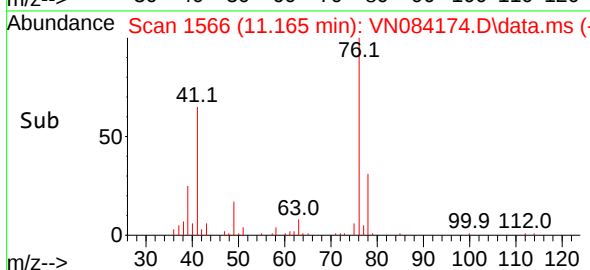
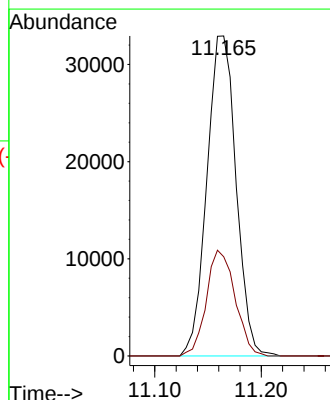
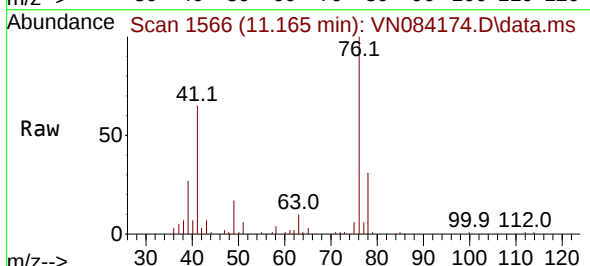
Instrument :  
MSVOA\_N  
ClientSampleId :

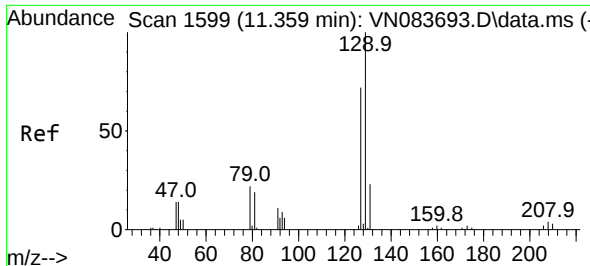
Tgt Ion: 69 Resp: 54859  
Ion Ratio Lower Upper  
69 100  
41 69.0 25.5 76.5  
39 35.8 16.0 47.9



#52  
1,3-Dichloropropane  
Concen: 22.442 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. 0.006 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 76 Resp: 62584  
Ion Ratio Lower Upper  
76 100  
78 32.5 0.0 65.8

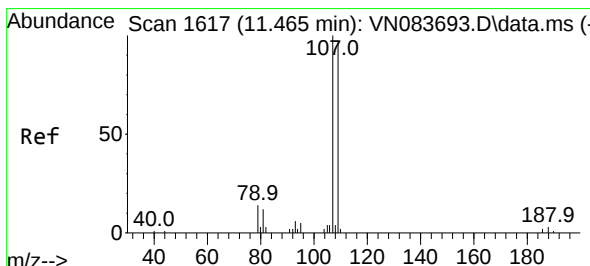
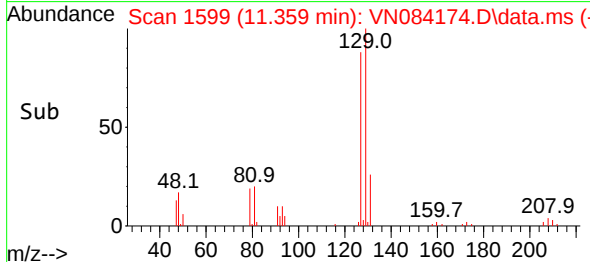
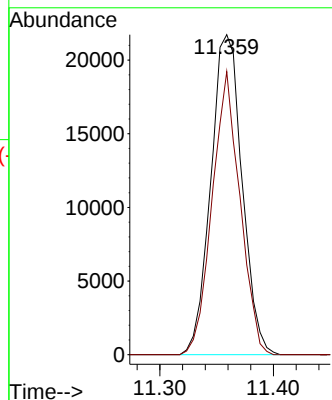
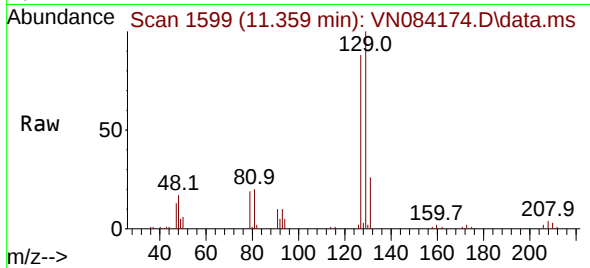




#53  
Dibromochloromethane  
Concen: 22.470 ug/l  
RT: 11.359 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

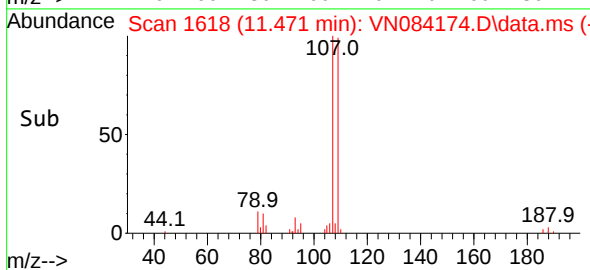
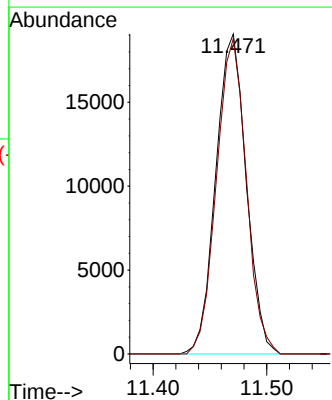
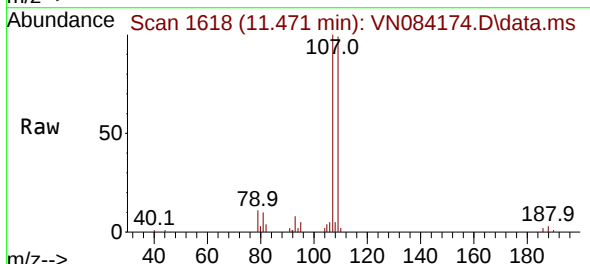
Instrument :  
MSVOA\_N  
ClientSampleId :

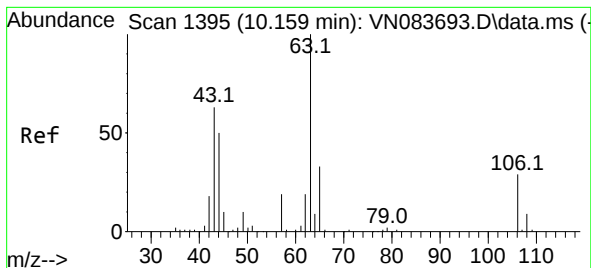
Tgt Ion:129 Resp: 41619  
Ion Ratio Lower Upper  
129 100  
127 78.6 39.4 118.1



#54  
1,2-Dibromoethane  
Concen: 22.190 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. 0.006 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion:107 Resp: 35449  
Ion Ratio Lower Upper  
107 100  
109 96.5 74.7 112.1

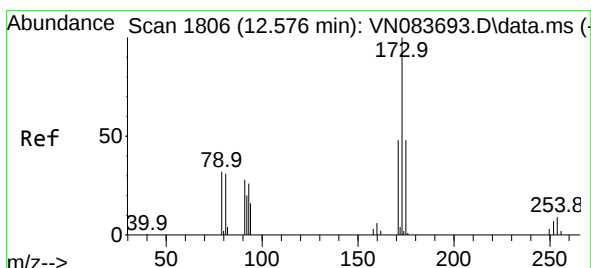
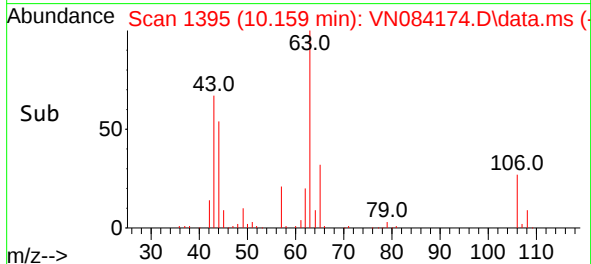
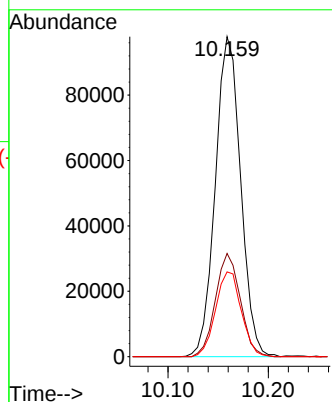
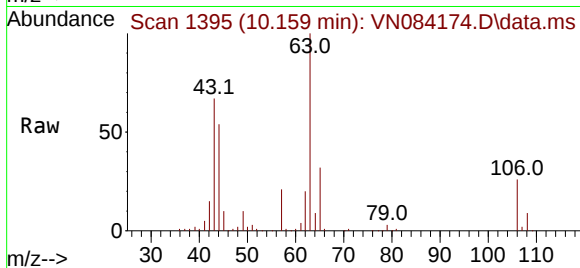




#55  
2-Chloroethyl vinyl ether  
Concen: 162.945 ug/l  
RT: 10.159 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

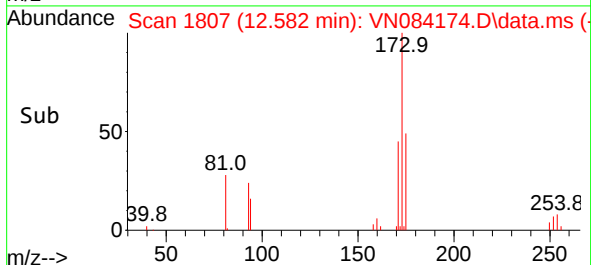
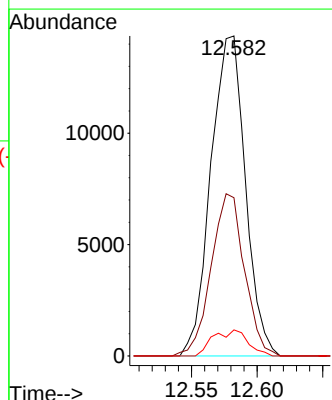
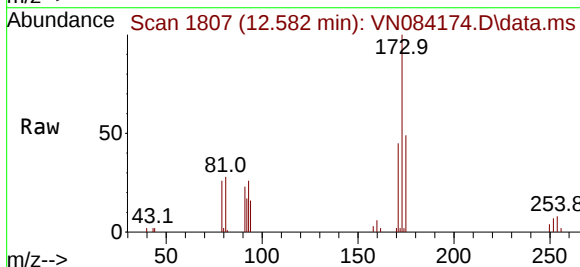
Instrument :  
MSVOA\_N  
ClientSampleId :

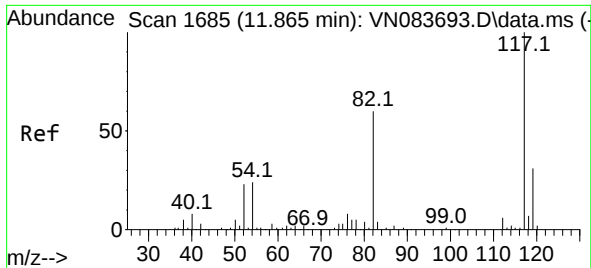
Tgt Ion: 63 Resp: 171319  
Ion Ratio Lower Upper  
63 100  
65 31.6 26.2 39.2  
106 26.9 23.8 35.8



#56  
Bromoform  
Concen: 22.328 ug/l  
RT: 12.582 min Scan# 1807  
Delta R.T. 0.006 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion:173 Resp: 26274  
Ion Ratio Lower Upper  
173 100  
175 48.9 40.0 60.0  
254 4.2 8.3 12.5#

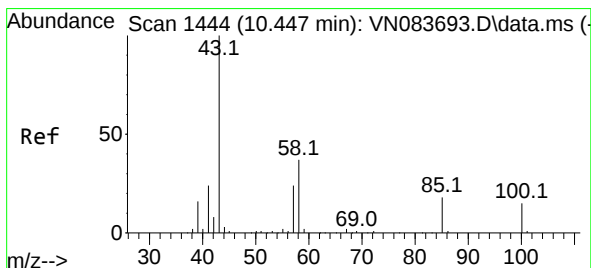
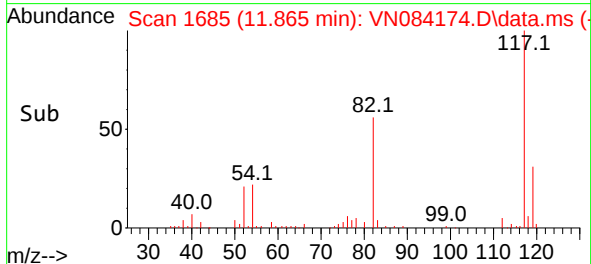
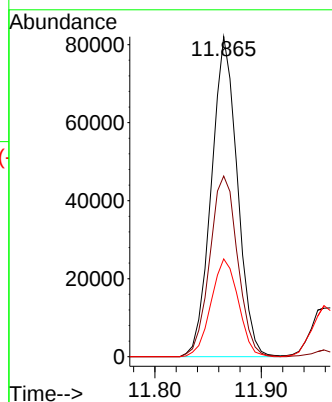
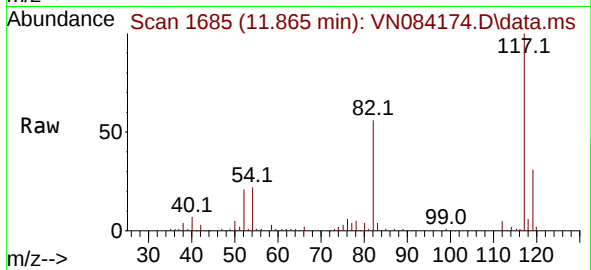




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

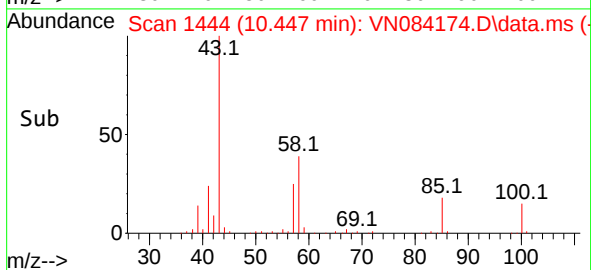
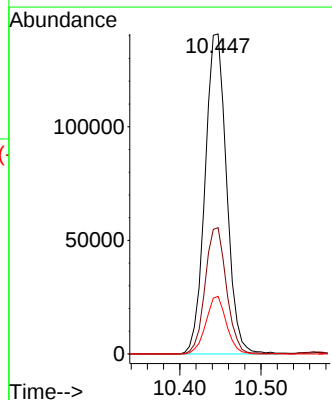
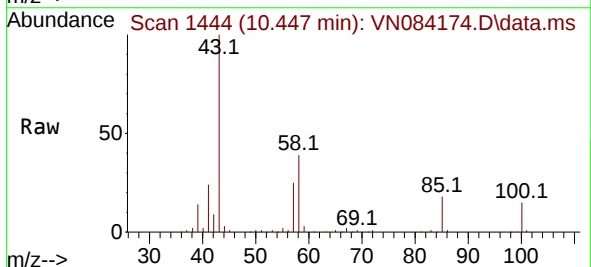
Instrument :  
MSVOA\_N  
ClientSampleId :

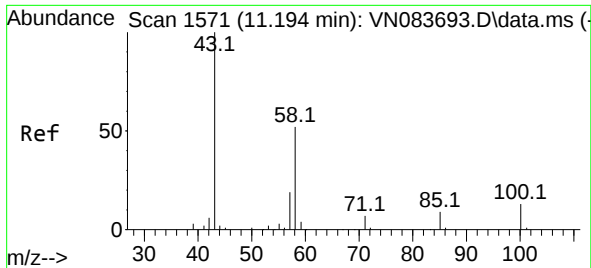
Tgt Ion:117 Resp: 139198  
Ion Ratio Lower Upper  
117 100  
82 60.5 46.6 69.8  
119 32.0 25.4 38.2



#58  
4-Methyl-2-Pentanone  
Concen: 117.592 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 43 Resp: 259544  
Ion Ratio Lower Upper  
43 100  
58 39.1 36.5 54.7  
85 17.2 19.5 29.3#

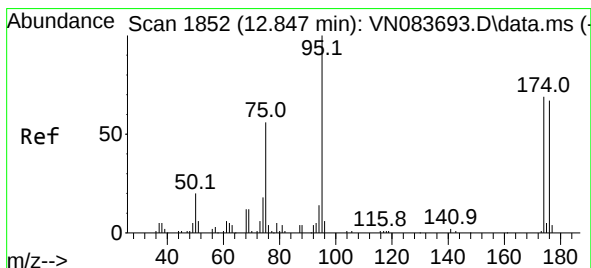
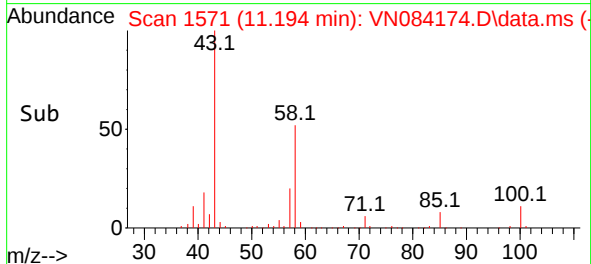
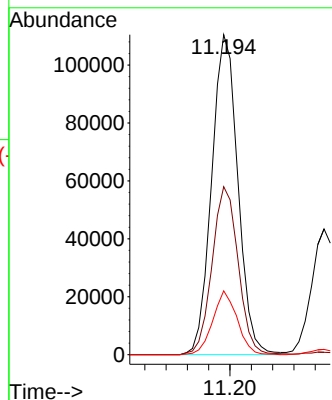
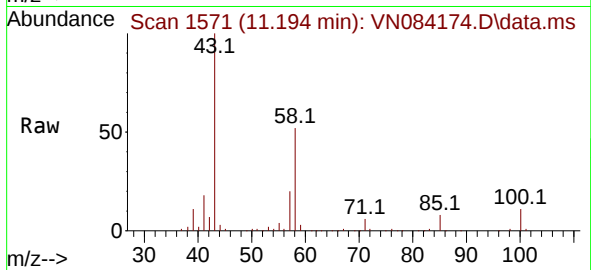




#59  
2-Hexanone  
Concen: 113.100 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

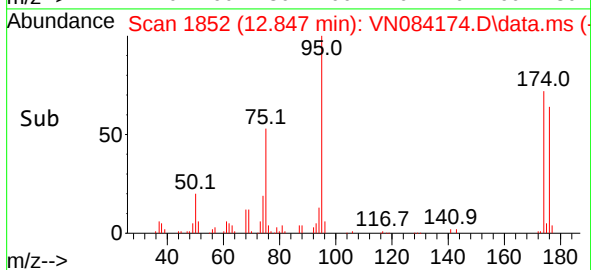
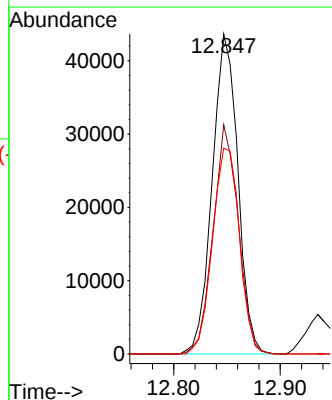
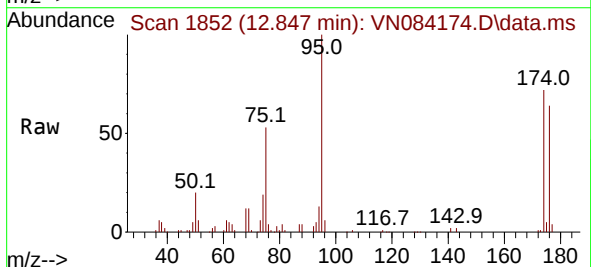
Instrument :  
MSVOA\_N  
ClientSampleId :

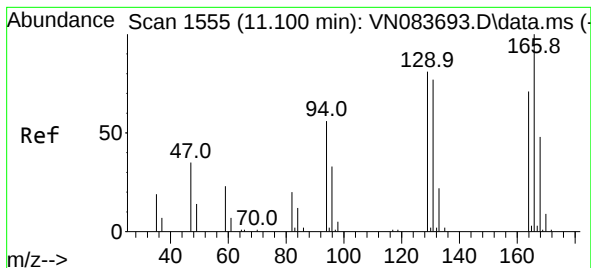
Tgt Ion: 43 Resp: 188623  
Ion Ratio Lower Upper  
43 100  
58 52.2 50.4 75.6  
57 18.6 18.6 27.8#



#60  
4-Bromofluorobenzene  
Concen: 30.350 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 95 Resp: 72811  
Ion Ratio Lower Upper  
95 100  
174 70.3 60.5 90.7  
176 67.9 57.8 86.6





#61

Tetrachloroethene

Concen: 19.598 ug/l

RT: 11.106 min Scan# 11

Delta R.T. 0.006 min

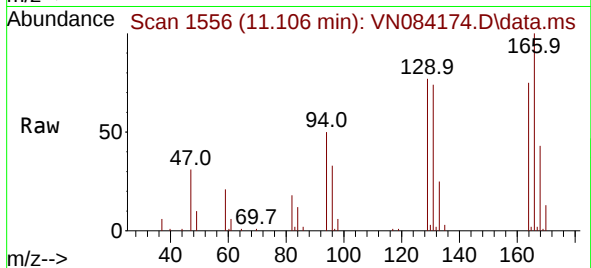
Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion:164 Resp: 28871

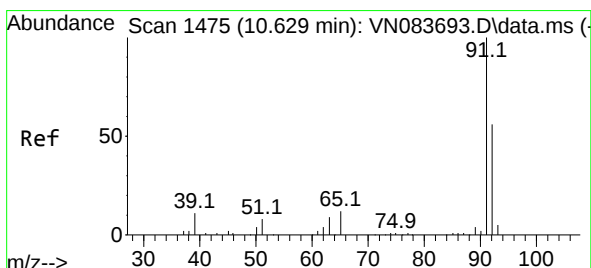
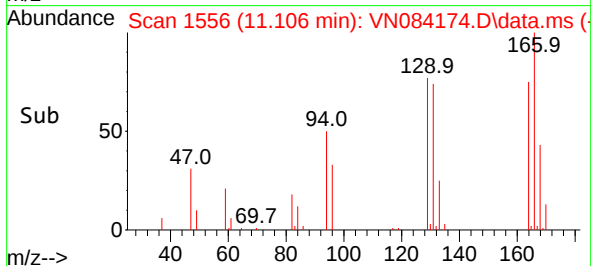
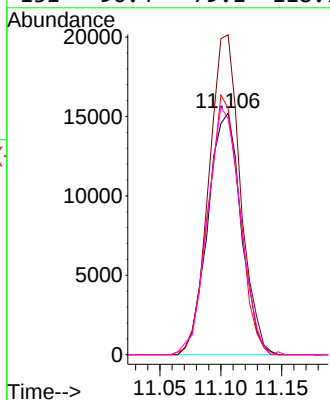
Ion Ratio Lower Upper

164 100

166 132.5 106.7 160.1

129 102.0 85.8 128.6

131 96.4 79.1 118.7



#62

Toluene

Concen: 19.396 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN084174.D

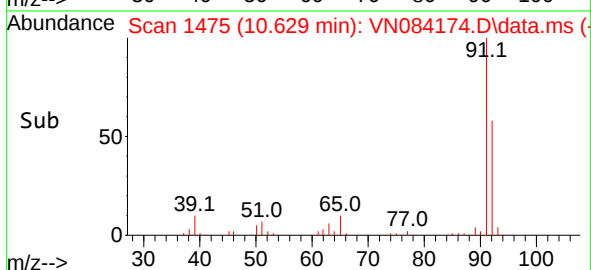
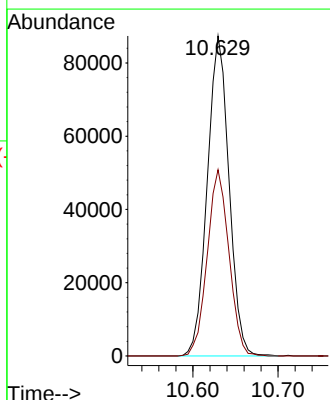
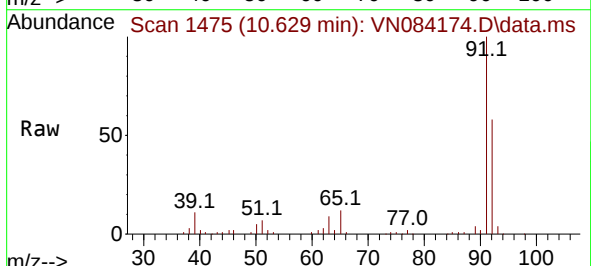
Acq: 26 Sep 2024 13:06

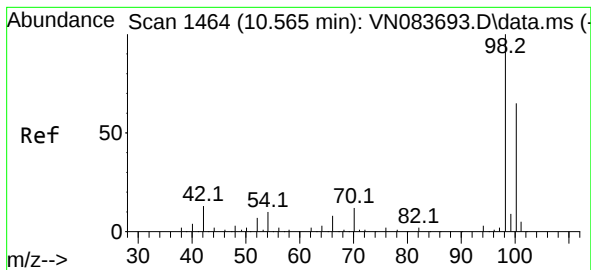
Tgt Ion: 91 Resp: 155189

Ion Ratio Lower Upper

91 100

92 58.2 46.5 69.7





#63

Toluene-d8

Concen: 30.284 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

Instrument :

MSVOA\_N

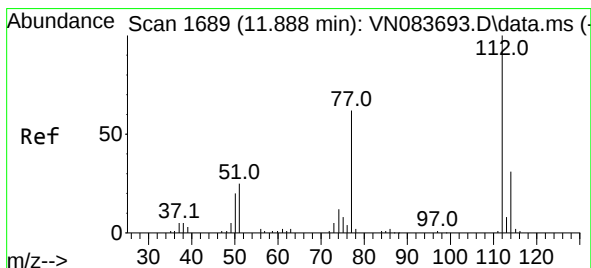
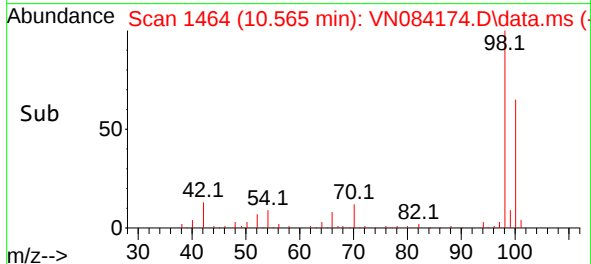
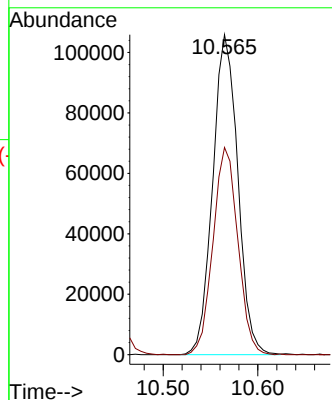
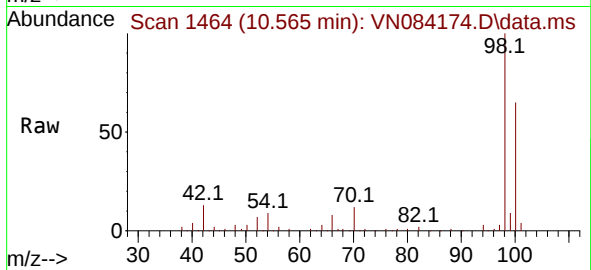
ClientSampleId :

Tgt Ion: 98 Resp: 195189

Ion Ratio Lower Upper

98 100

100 64.0 52.7 79.1



#64

Chlorobenzene

Concen: 19.578 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN084174.D

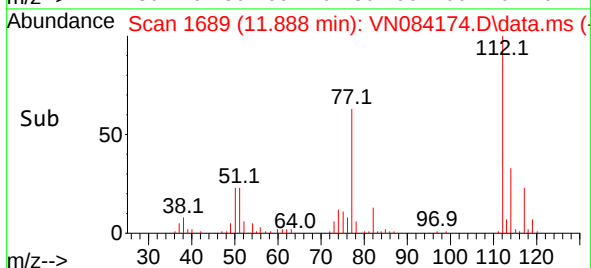
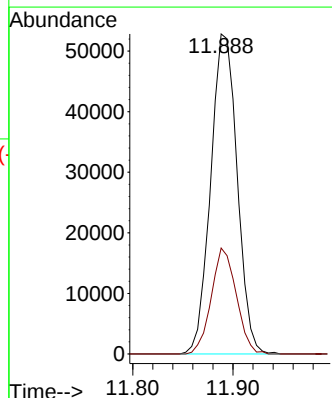
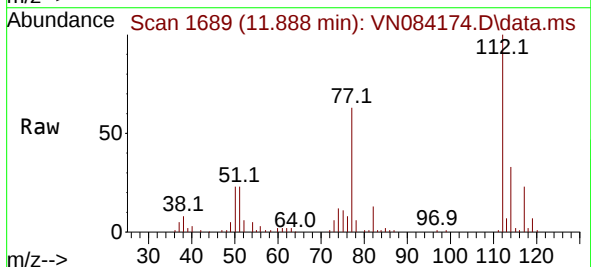
Acq: 26 Sep 2024 13:06

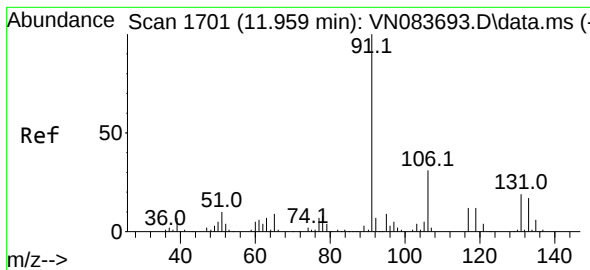
Tgt Ion: 112 Resp: 96980

Ion Ratio Lower Upper

112 100

114 33.1 26.6 39.8

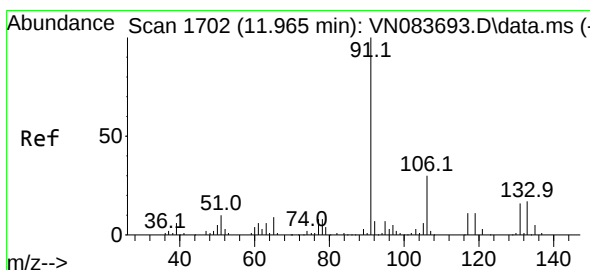
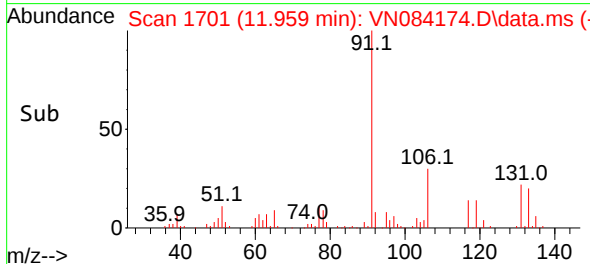
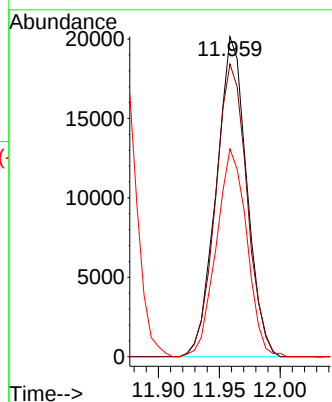
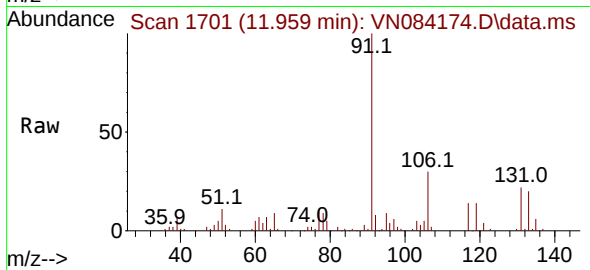




#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 20.344 ug/l  
 RT: 11.959 min Scan# 1701  
 Delta R.T. 0.000 min  
 Lab File: VN084174.D  
 Acq: 26 Sep 2024 13:06

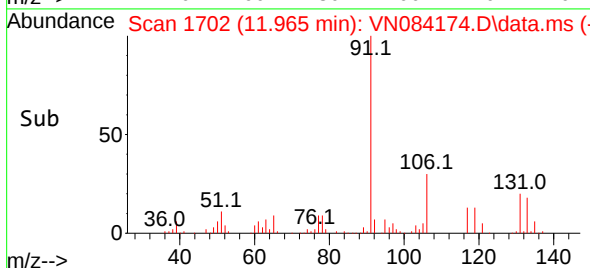
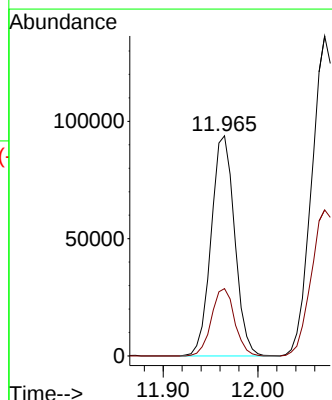
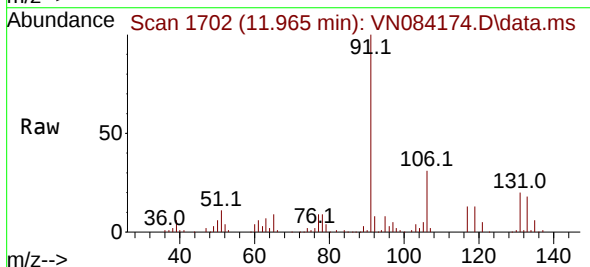
Instrument :  
 MSVOA\_N  
 ClientSampleId :

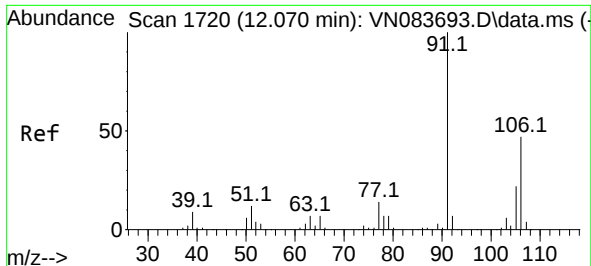
Tgt Ion:131 Resp: 35107  
 Ion Ratio Lower Upper  
 131 100  
 133 94.4 0.0 188.0  
 119 64.9 0.0 122.8



#66  
 Ethyl Benzene  
 Concen: 17.749 ug/l  
 RT: 11.965 min Scan# 1702  
 Delta R.T. 0.000 min  
 Lab File: VN084174.D  
 Acq: 26 Sep 2024 13:06

Tgt Ion: 91 Resp: 161491  
 Ion Ratio Lower Upper  
 91 100  
 106 30.6 24.4 36.6





#67

m/p-Xylenes

Concen: 37.109 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

Instrument :

MSVOA\_N

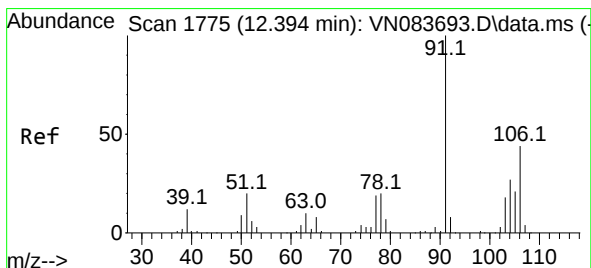
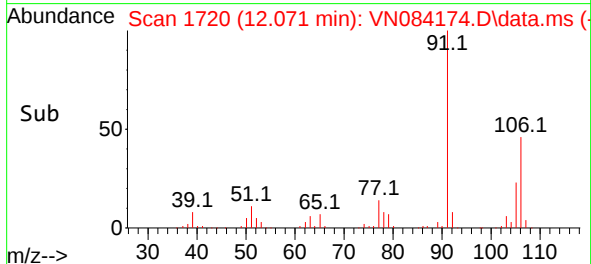
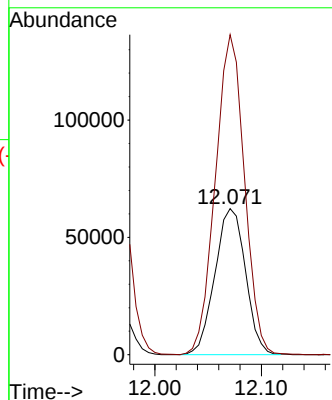
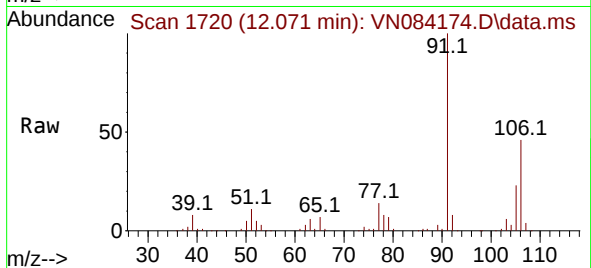
ClientSampleId :

Tgt Ion:106 Resp: 124220

Ion Ratio Lower Upper

106 100

91 208.3 166.6 249.8



#68

o-Xylene

Concen: 18.095 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN084174.D

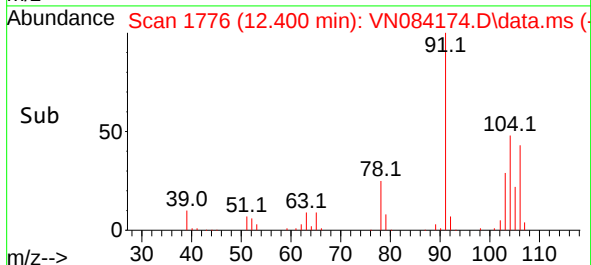
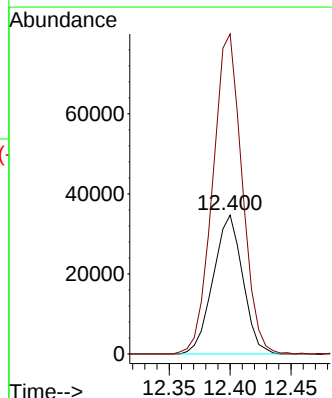
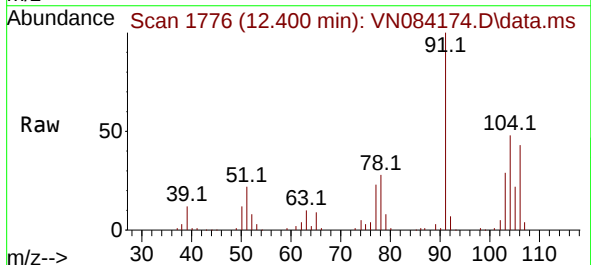
Acq: 26 Sep 2024 13:06

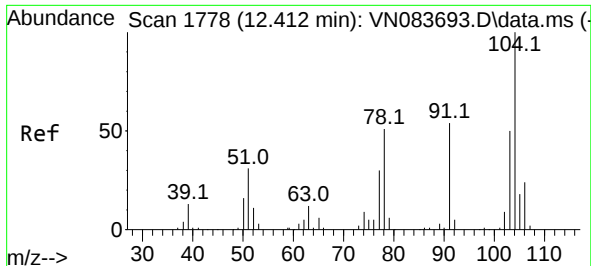
Tgt Ion:106 Resp: 58623

Ion Ratio Lower Upper

106 100

91 229.2 110.0 330.0

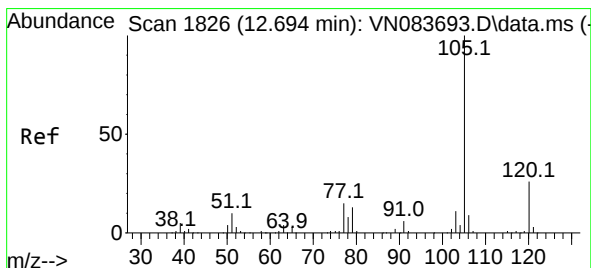
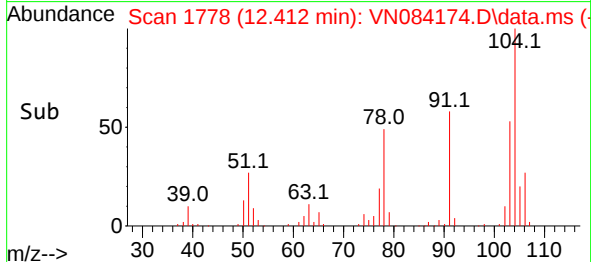
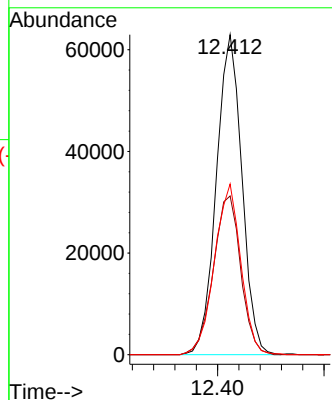
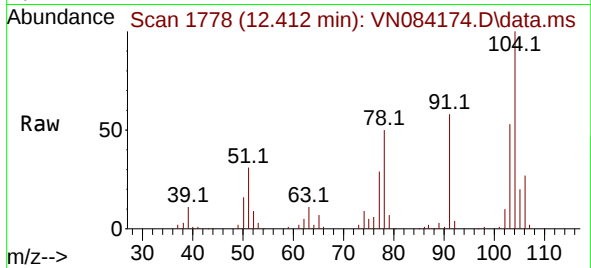




#69  
Styrene  
Concen: 19.164 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

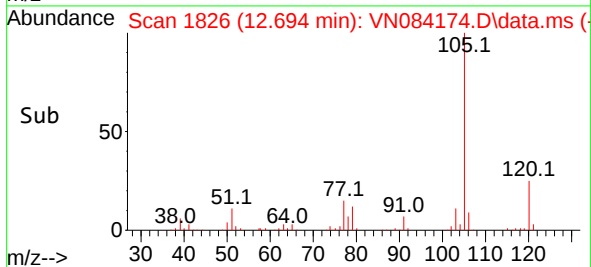
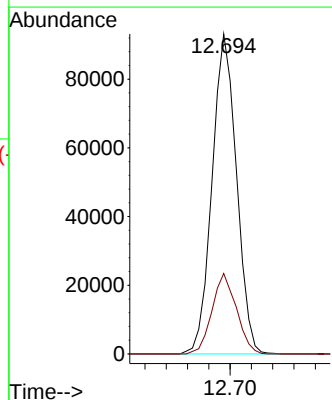
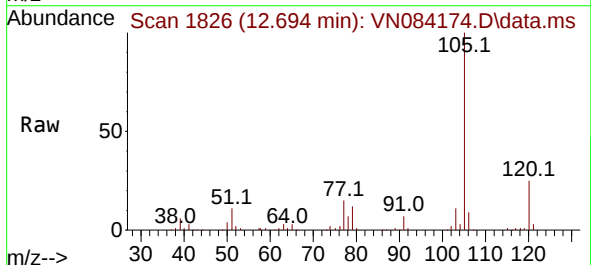
Instrument :  
MSVOA\_N  
ClientSampleId :

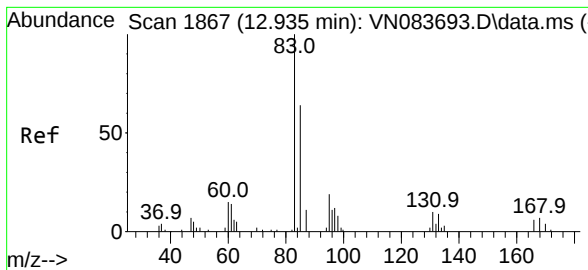
Tgt Ion:104 Resp: 104904  
Ion Ratio Lower Upper  
104 100  
78 53.3 42.6 64.0  
103 55.0 43.7 65.5



#70  
Isopropylbenzene  
Concen: 17.325 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion:105 Resp: 148122  
Ion Ratio Lower Upper  
105 100  
120 25.1 17.8 33.1

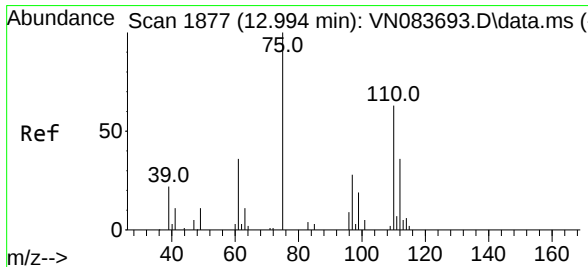
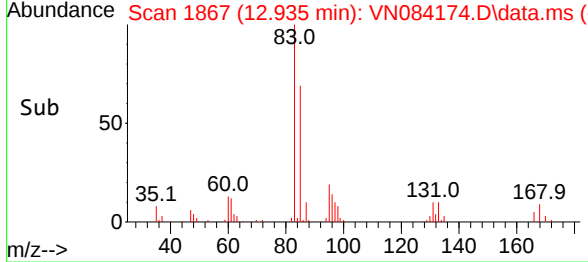
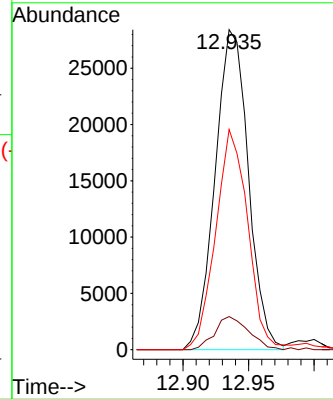
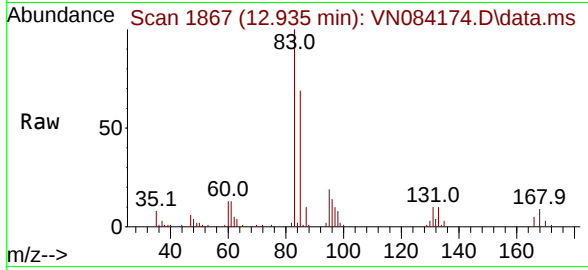




#71  
1,1,2,2-Tetrachloroethane  
Concen: 21.490 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

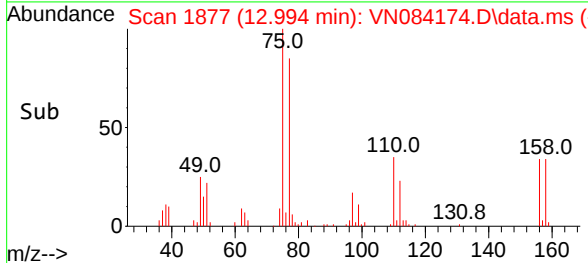
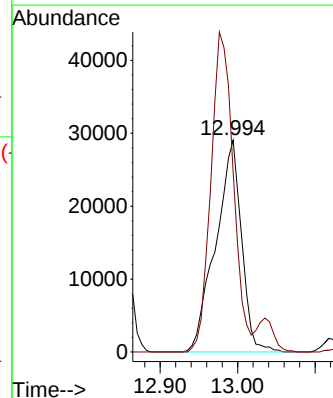
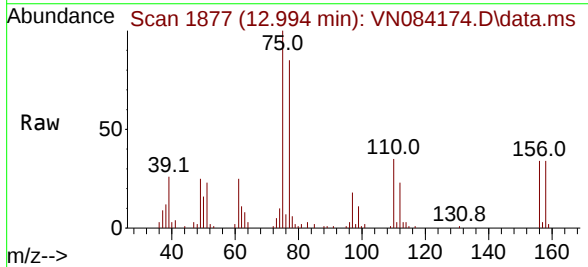
Instrument :  
MSVOA\_N  
ClientSampleId :

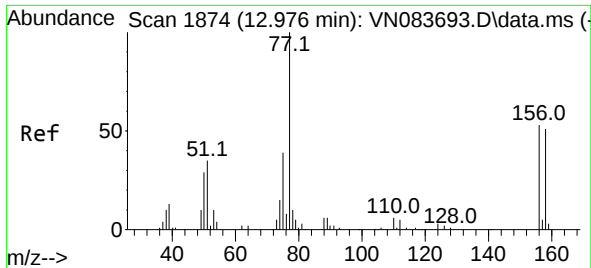
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 50181 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.5  | 5.2   | 15.6  |
| 85        | 66.0  | 32.3  | 96.8  |



#72  
1,2,3-Trichloropropane  
Concen: 32.924 ug/l  
RT: 12.994 min Scan# 1877  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 67406 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 130.8 | 0.0   | 367.6 |

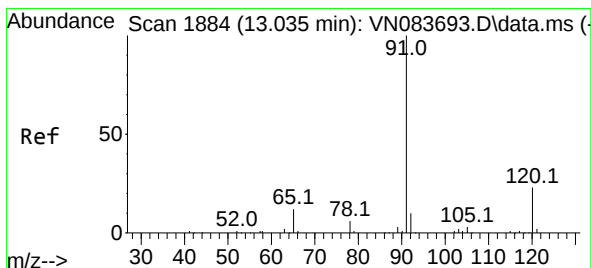
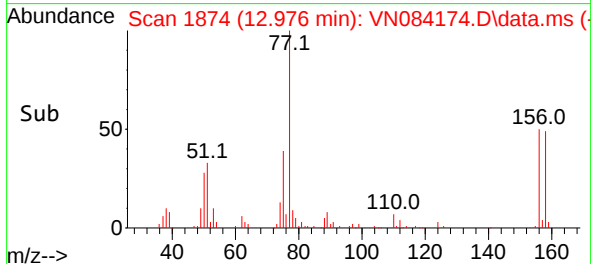
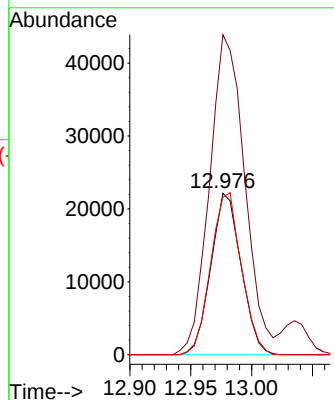
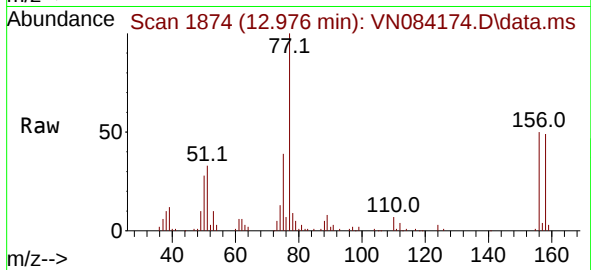




#73  
Bromobenzene  
Concen: 19.475 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

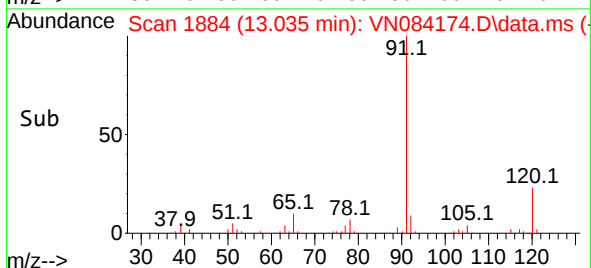
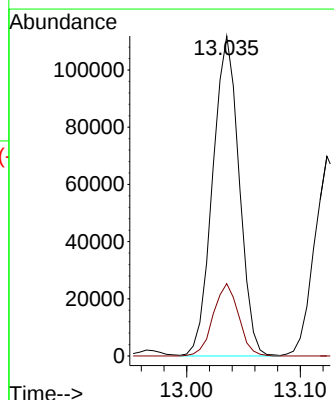
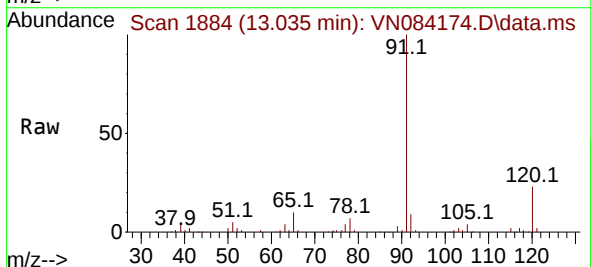
Instrument :  
MSVOA\_N  
ClientSampleId :

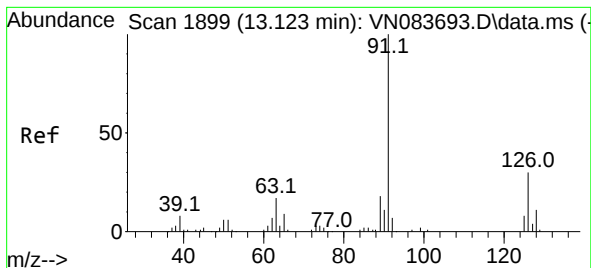
Tgt Ion:156 Resp: 38245  
Ion Ratio Lower Upper  
156 100  
77 230.5 0.0 437.6  
158 101.6 0.0 203.8



#74  
n-propylbenzene  
Concen: 18.104 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 91 Resp: 181189  
Ion Ratio Lower Upper  
91 100  
120 21.6 0.0 43.8





#75

2-Chlorotoluene

Concen: 18.851 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

Instrument :

MSVOA\_N

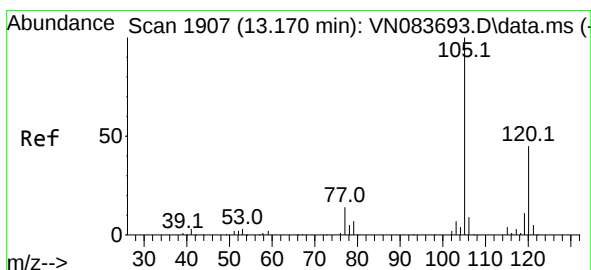
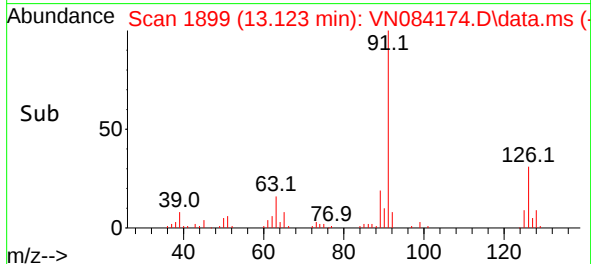
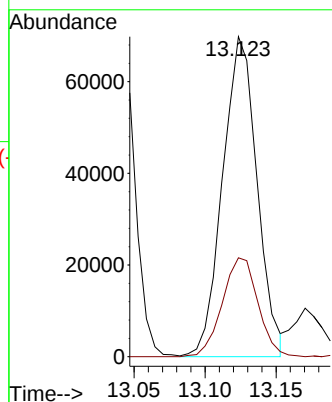
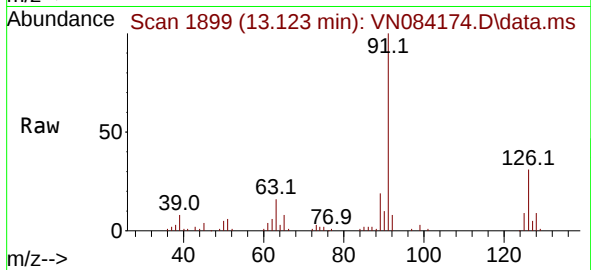
ClientSampleId :

Tgt Ion: 91 Resp: 117752

Ion Ratio Lower Upper

91 100

126 32.0 0.0 61.2



#76

1,3,5-Trimethylbenzene

Concen: 17.853 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN084174.D

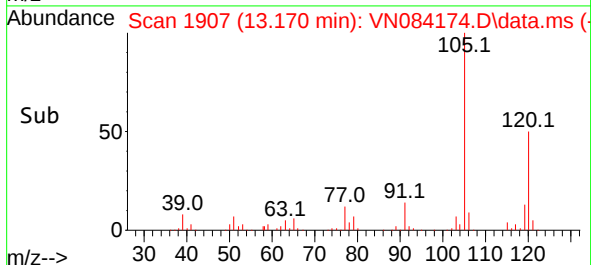
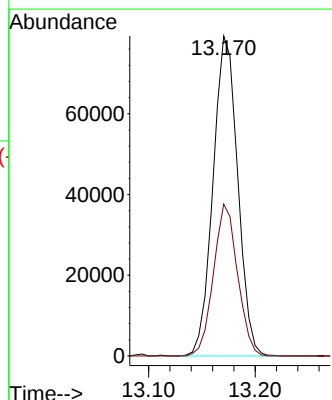
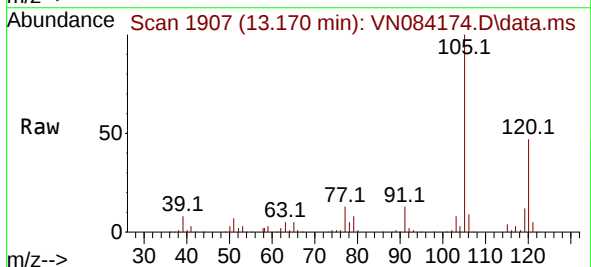
Acq: 26 Sep 2024 13:06

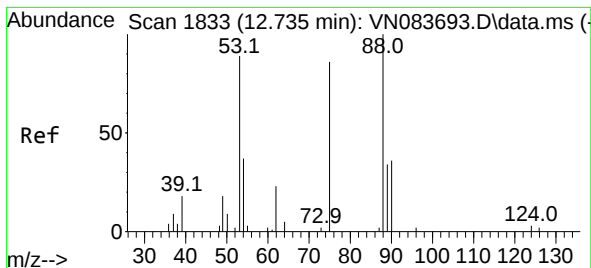
Tgt Ion: 105 Resp: 127498

Ion Ratio Lower Upper

105 100

120 46.2 0.0 95.8

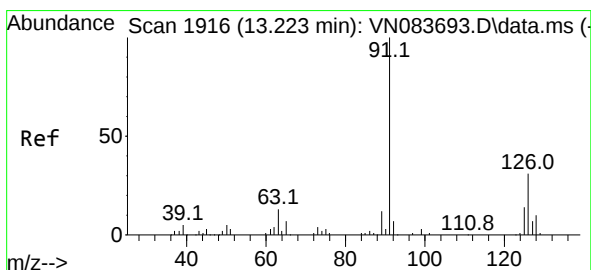
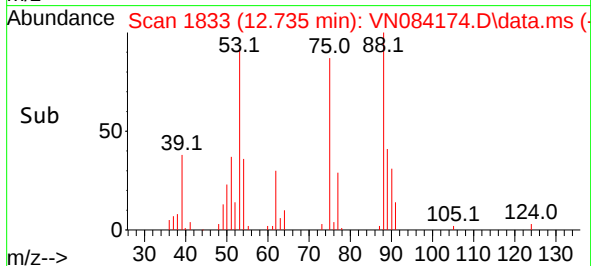
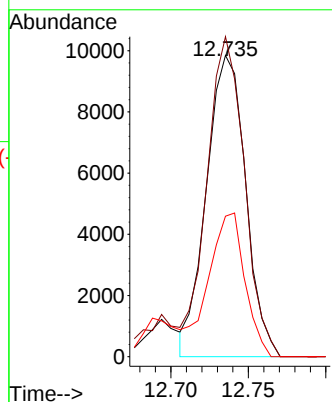
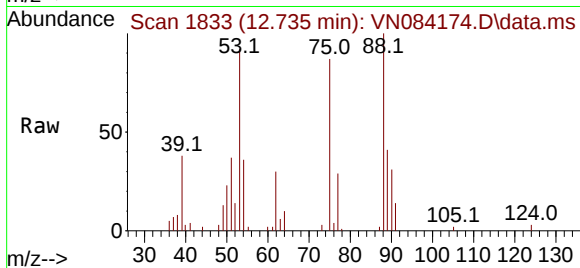




#77  
t-1,4-Dichloro-2-butene  
Concen: 20.014 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

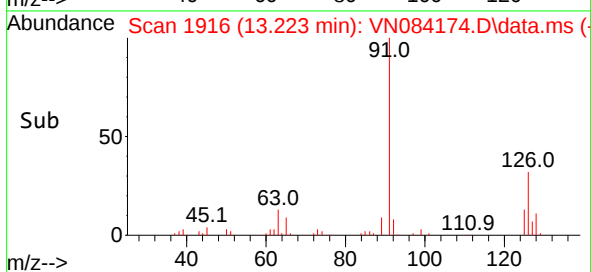
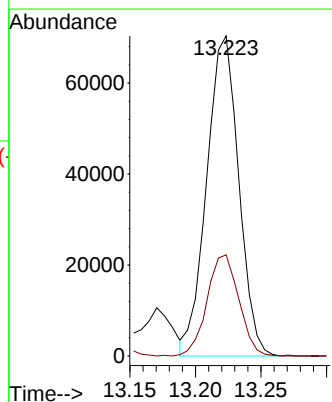
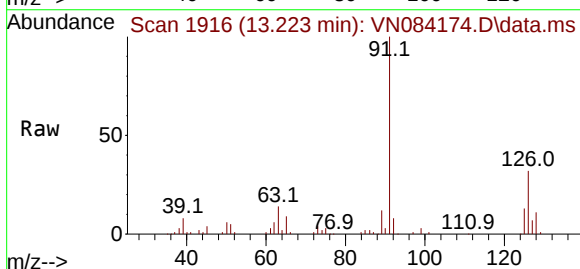
Instrument :  
MSVOA\_N  
ClientSampleId :

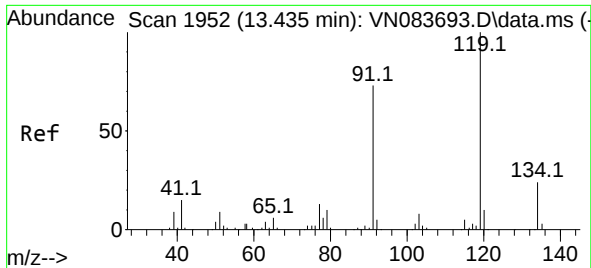
Tgt Ion: 75 Resp: 17320  
Ion Ratio Lower Upper  
75 100  
53 106.2 45.9 137.7  
89 46.6 25.9 77.7



#78  
4-Chlorotoluene  
Concen: 18.885 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 91 Resp: 119633  
Ion Ratio Lower Upper  
91 100  
126 31.3 0.0 62.8

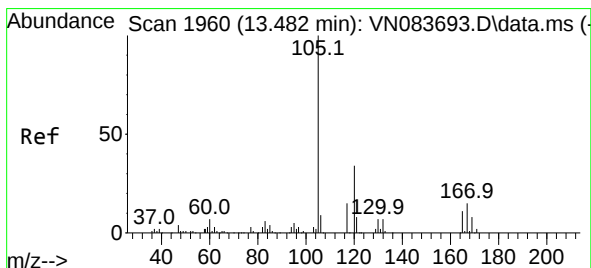
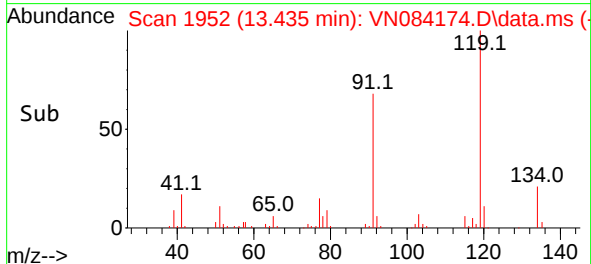
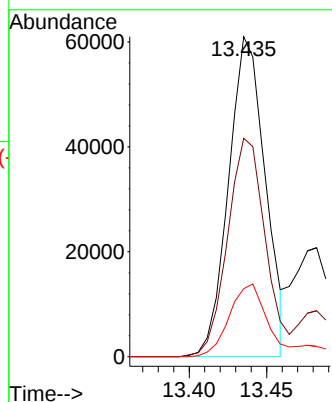
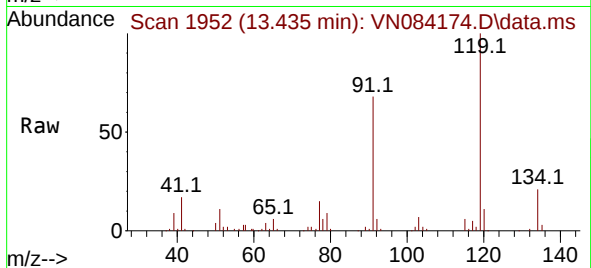




#79  
tert-butylbenzene  
Concen: 16.071 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

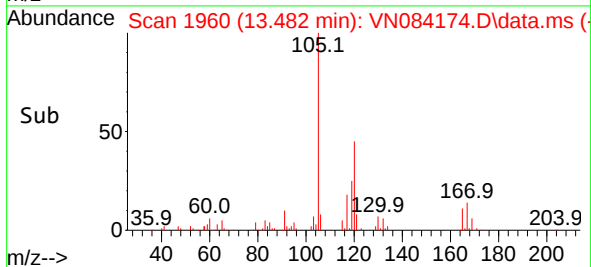
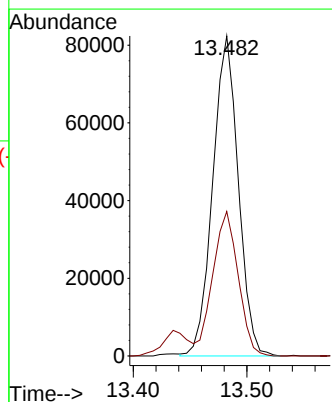
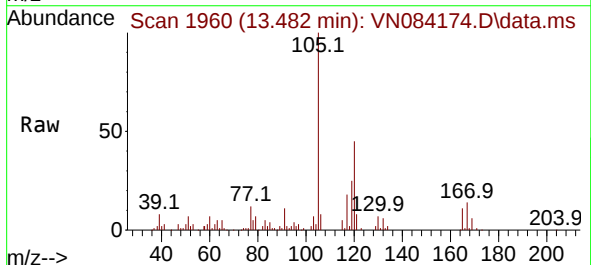
Instrument :  
MSVOA\_N  
ClientSampleId :

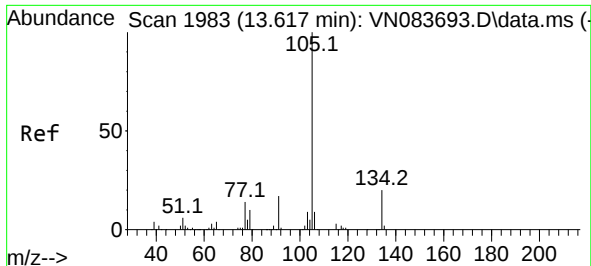
Tgt Ion:119 Resp: 100362  
Ion Ratio Lower Upper  
119 100  
91 70.6 0.0 138.8  
134 23.1 0.0 48.6



#80  
1,2,4-Trimethylbenzene  
Concen: 17.821 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion:105 Resp: 128613  
Ion Ratio Lower Upper  
105 100  
120 45.1 0.0 86.8

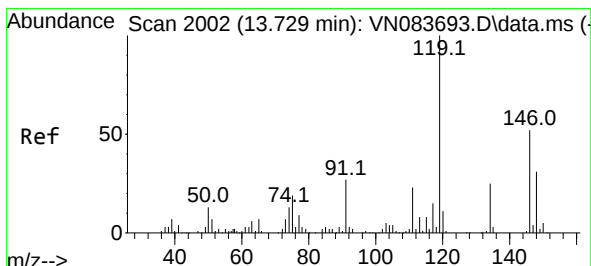
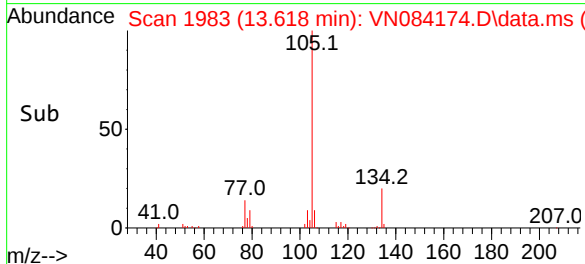
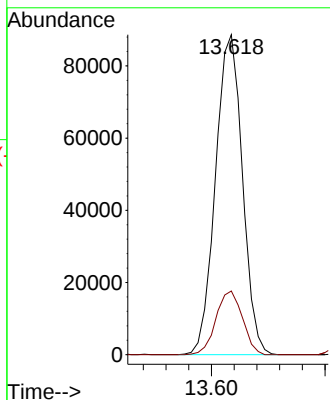
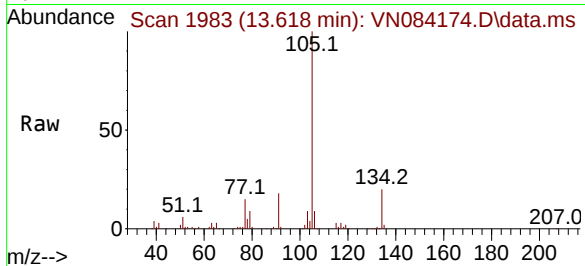




#81  
 sec-Butylbenzene  
 Concen: 17.112 ug/l  
 RT: 13.618 min Scan# 1983  
 Delta R.T. 0.000 min  
 Lab File: VN084174.D  
 Acq: 26 Sep 2024 13:06

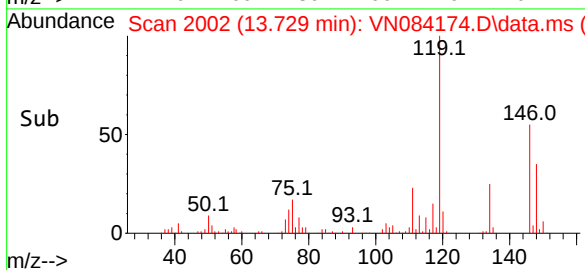
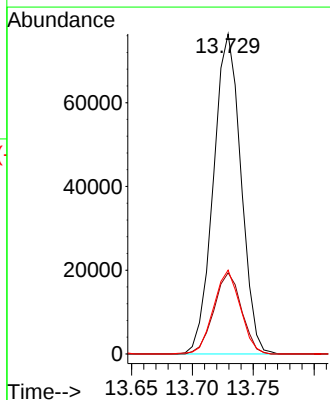
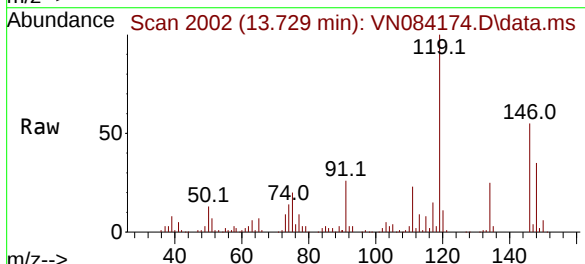
Instrument :  
 MSVOA\_N  
 ClientSampleId :

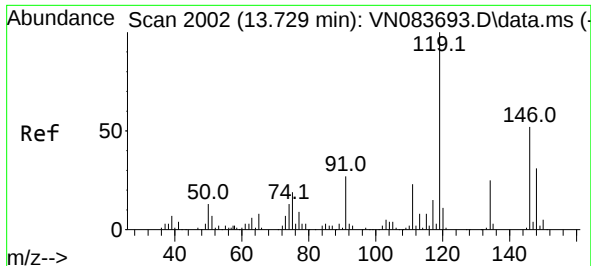
Tgt Ion:105 Resp: 145985  
 Ion Ratio Lower Upper  
 105 100  
 134 19.5 0.0 39.0



#82  
 p-Isopropyltoluene  
 Concen: 16.764 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN084174.D  
 Acq: 26 Sep 2024 13:06

Tgt Ion:119 Resp: 120332  
 Ion Ratio Lower Upper  
 119 100  
 134 25.4 0.0 49.2  
 91 25.5 0.0 48.8

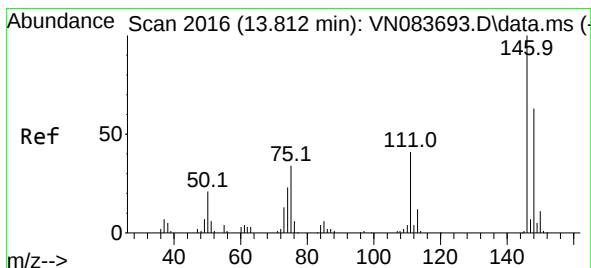
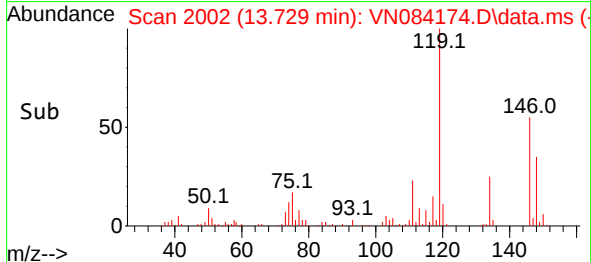
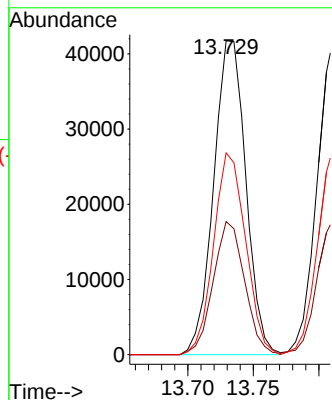
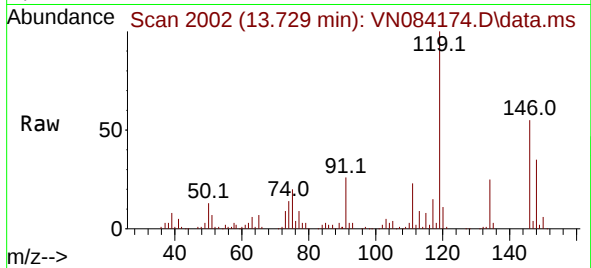




#83  
 1,3-Dichlorobenzene  
 Concen: 18.903 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN084174.D  
 Acq: 26 Sep 2024 13:06

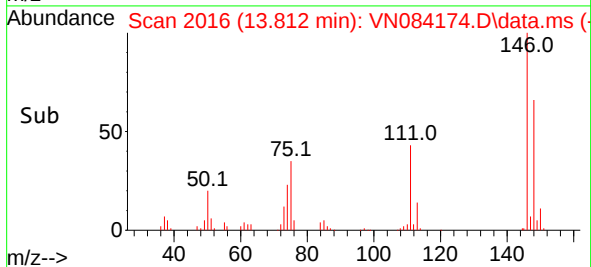
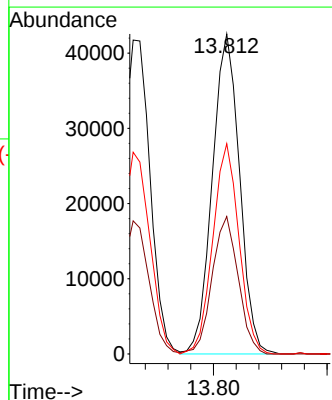
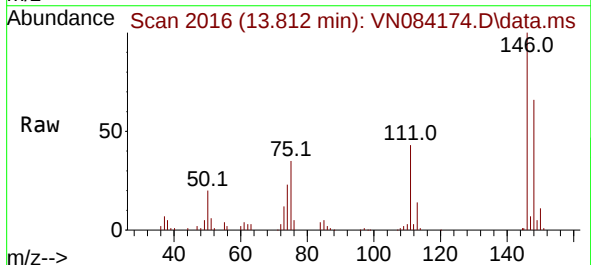
Instrument :  
 MSVOA\_N  
 ClientSampleId :

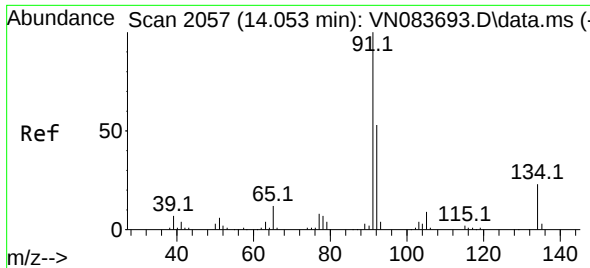
Tgt Ion:146 Resp: 71445  
 Ion Ratio Lower Upper  
 146 100  
 111 41.4 22.4 67.0  
 148 63.8 32.1 96.5



#84  
 1,4-Dichlorobenzene  
 Concen: 18.750 ug/l  
 RT: 13.812 min Scan# 2016  
 Delta R.T. 0.000 min  
 Lab File: VN084174.D  
 Acq: 26 Sep 2024 13:06

Tgt Ion:146 Resp: 70850  
 Ion Ratio Lower Upper  
 146 100  
 111 41.3 21.3 63.9  
 148 63.2 31.9 95.5

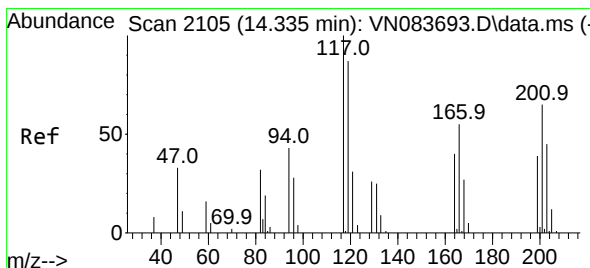
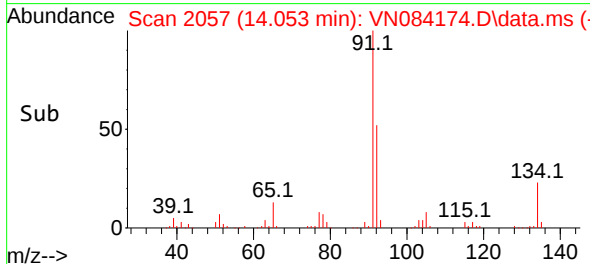
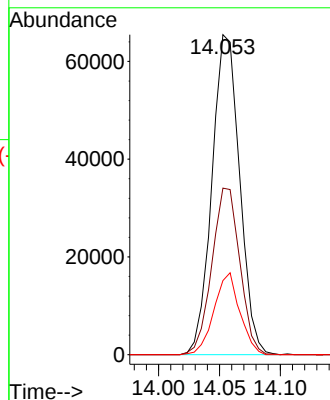
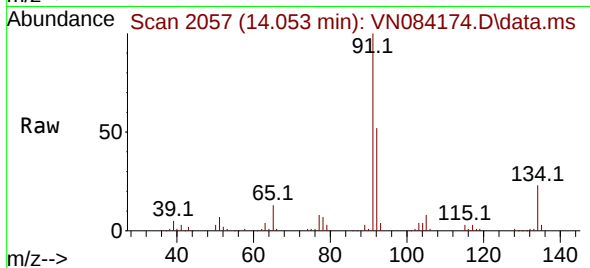




#85  
n-Butylbenzene  
Concen: 16.354 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

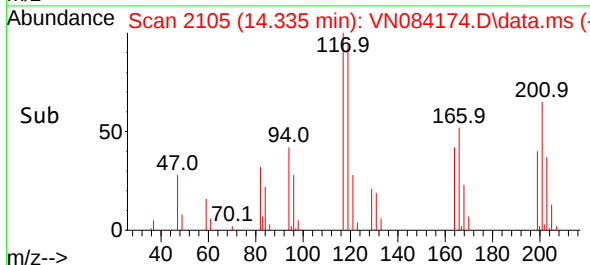
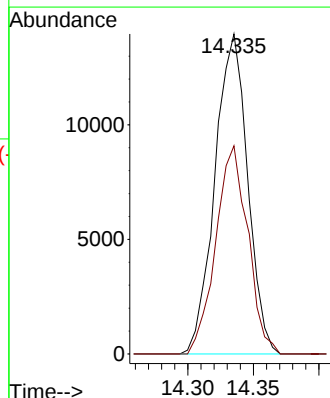
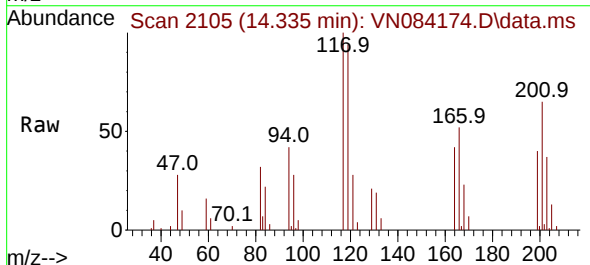
Instrument :  
MSVOA\_N  
ClientSampleId :

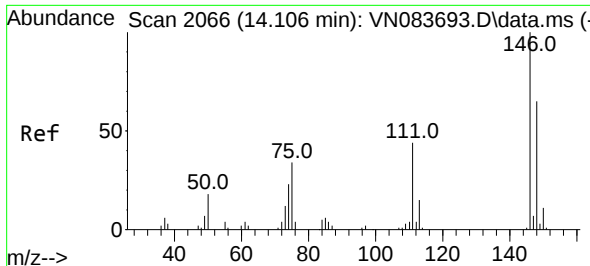
Tgt Ion: 91 Resp: 103588  
Ion Ratio Lower Upper  
91 100  
92 52.5 0.0 105.0  
134 23.8 0.0 51.8



#86  
Hexachloroethane  
Concen: 17.820 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion: 117 Resp: 24240  
Ion Ratio Lower Upper  
117 100  
201 63.8 38.0 114.0





#87

1,2-Dichlorobenzene

Concen: 19.190 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

Instrument :

MSVOA\_N

ClientSampleId :

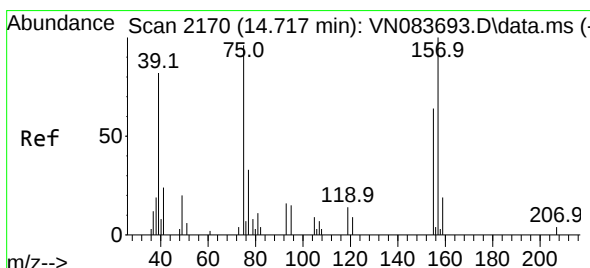
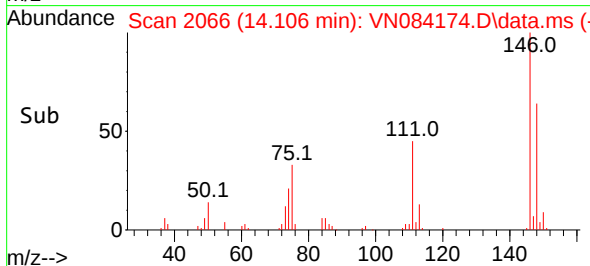
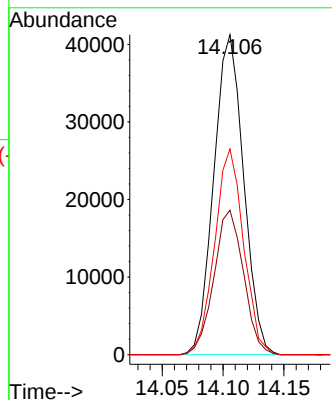
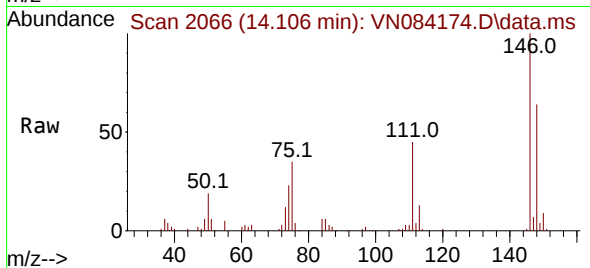
Tgt Ion:146 Resp: 70391

Ion Ratio Lower Upper

146 100

111 44.8 22.6 67.8

148 62.3 31.3 93.8



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.882 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. 0.000 min

Lab File: VN084174.D

Acq: 26 Sep 2024 13:06

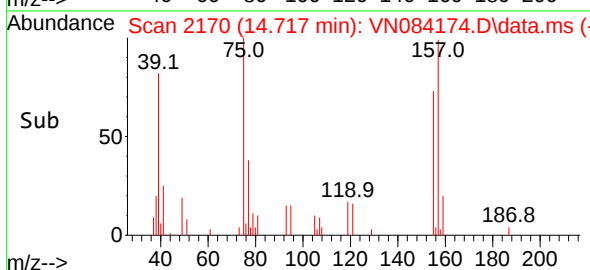
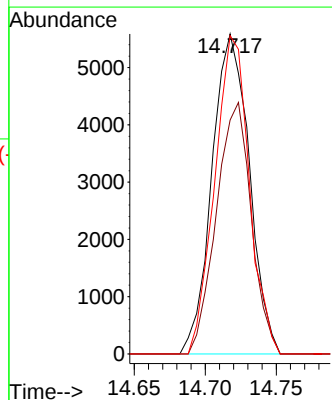
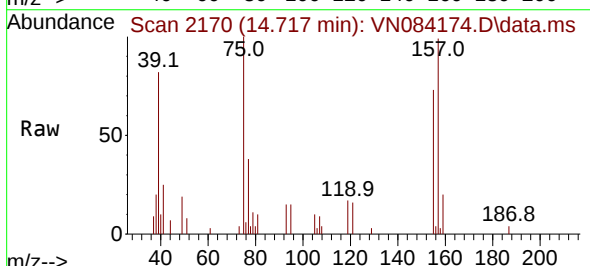
Tgt Ion: 75 Resp: 10203

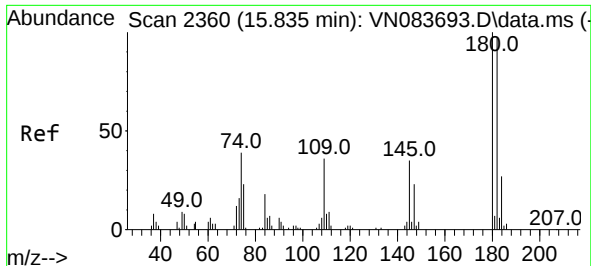
Ion Ratio Lower Upper

75 100

155 73.6 61.7 92.5

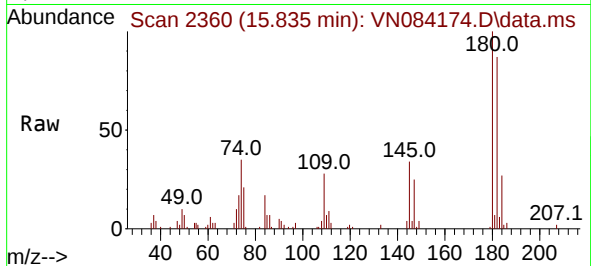
157 91.8 83.6 125.4



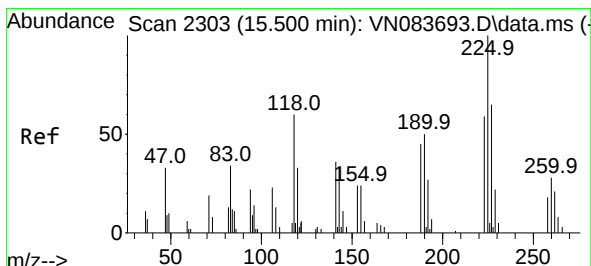
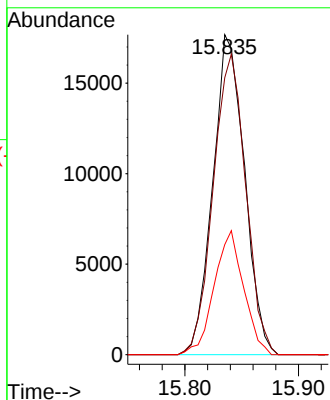
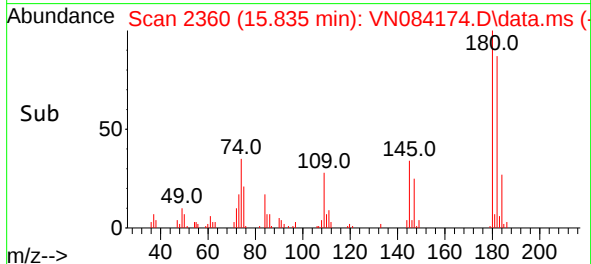


#89  
1,2,4-Trichlorobenzene  
Concen: 17.089 ug/l  
RT: 15.835 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Instrument :  
MSVOA\_N  
ClientSampleId :

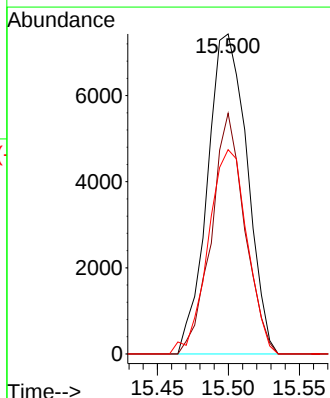
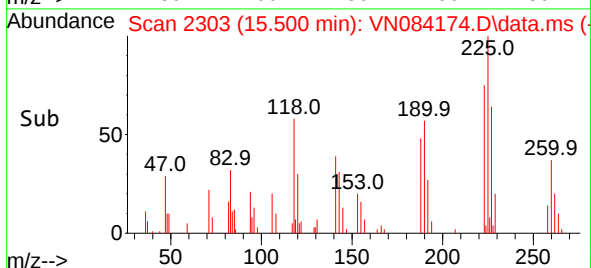
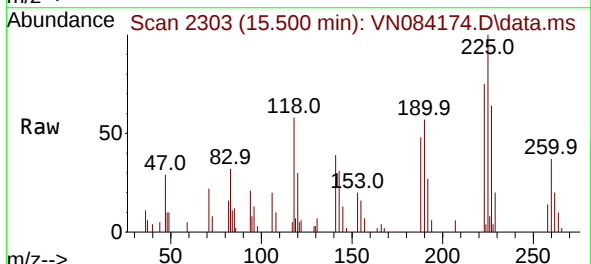


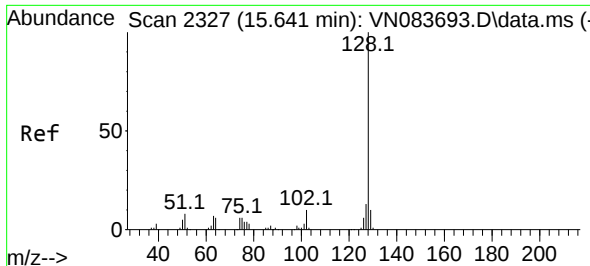
Tgt Ion:180 Resp: 34340  
Ion Ratio Lower Upper  
180 100  
182 96.2 76.4 114.6  
145 36.1 28.4 42.6



#90  
Hexachlorobutadiene  
Concen: 17.381 ug/l  
RT: 15.500 min Scan# 2303  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion:225 Resp: 14457  
Ion Ratio Lower Upper  
225 100  
223 63.2 0.0 126.6  
227 62.6 0.0 126.6

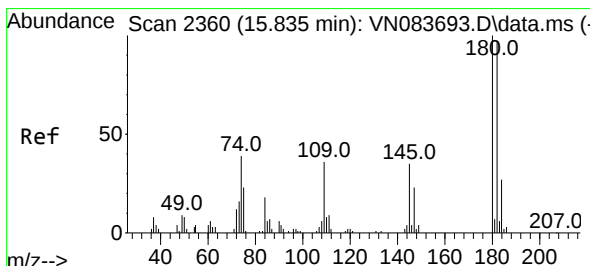
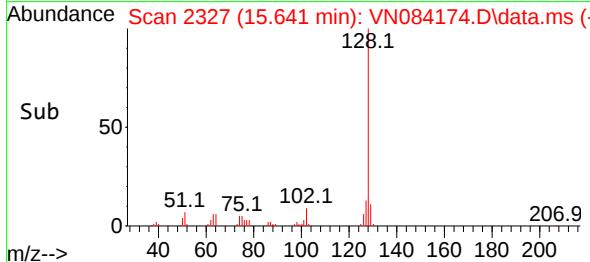
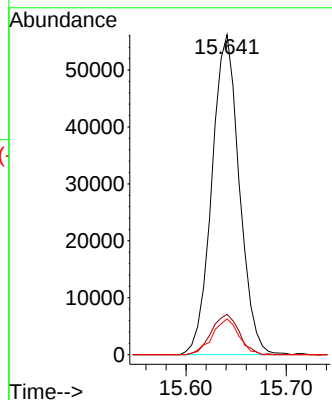
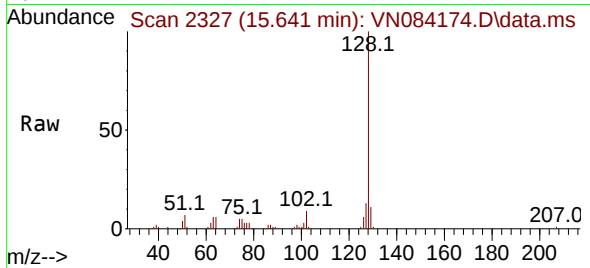




#91  
Naphthalene  
Concen: 16.274 ug/l  
RT: 15.641 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:128 Resp: 106916  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.6 16.0  
129 10.7 8.6 13.0



#92  
1,2,3-Trichlorobenzene  
Concen: 17.089 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VN084174.D  
Acq: 26 Sep 2024 13:06

Tgt Ion:180 Resp: 34340  
Ion Ratio Lower Upper  
180 100  
182 96.2 0.0 191.0  
145 36.1 0.0 71.0

