

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121624\  
 Data File : VN085209.D  
 Acq On : 16 Dec 2024 10:57  
 Operator : JC\MD  
 Sample : VN1216WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 16 12:21:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Dec 06 22:50:42 2024  
 Response via : Initial Calibration

| Compound                     | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                        |           |       |          |          |        |          |
| Internal Standards           |           |       |          |          |        |          |
| 1) Bromochloromethane        | 7.812     | 128   | 29855    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100     | 114   | 161867   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865    | 117   | 148673   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |           |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.577     | 65    | 72034    | 30.408   | ug/l   | 0.00     |
| Spiked Amount                | 30.000    | Range | 91 - 110 | Recovery | =      | 101.367% |
| 60) 4-Bromofluorobenzene     | 12.847    | 95    | 73852    | 30.022   | ug/l   | 0.00     |
| Spiked Amount                | 30.000    | Range | 63 - 112 | Recovery | =      | 100.067% |
| 63) Toluene-d8               | 10.565    | 98    | 202306   | 29.009   | ug/l   | 0.00     |
| Spiked Amount                | 30.000    | Range | 91 - 112 | Recovery | =      | 96.700%  |
| Target Compounds             |           |       |          |          |        |          |
|                              |           |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124     | 85    | 48095    | 20.136   | ug/l   | 96       |
| 3) Chloromethane             | 2.359     | 50    | 40344    | 19.083   | ug/l   | 92       |
| 4) Vinyl Chloride            | 2.512     | 62    | 45267    | 20.934   | ug/l   | 96       |
| 5) Bromomethane              | 2.965     | 94    | 27446    | 19.991   | ug/l   | 99       |
| 6) Chloroethane              | 3.118     | 64    | 28186    | 21.216   | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.501     | 101   | 72820    | 20.573   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.959     | 74    | 23793    | 21.222   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371     | 101   | 39414    | 19.912   | ug/l   | 88       |
| 10) 1,1-Dichloroethene       | 4.342     | 96    | 36096    | 19.853   | ug/l   | 96       |
| 11) Methyl Iodide            | 4.589     | 142   | 46064    | 18.268   | ug/l   | 97       |
| 12) Methyl Acetate           | 5.024     | 43    | 46738    | 21.790   | ug/l   | 96       |
| 13) Acrolein                 | 4.177     | 56    | 35773    | 114.765  | ug/l   | 99       |
| 14) Acrylonitrile            | 5.718     | 53    | 91712    | 102.973  | ug/l   | 96       |
| 15) Acetone                  | 4.424     | 58    | 29139    | 120.730  | ug/l   | 83       |
| 16) Carbon Disulfide         | 4.712     | 76    | 105348   | 19.385   | ug/l   | 97       |
| 17) Allyl chloride           | 5.024     | 41    | 52512    | 20.184   | ug/l   | 99       |
| 18) Methylene Chloride       | 5.277     | 84    | 41210    | 19.976   | ug/l   | 92       |
| 19) trans-1,2-Dichloroethene | 5.777     | 96    | 36574    | 19.353   | ug/l   | 92       |
| 20) Diisopropyl ether        | 6.671     | 45    | 118990   | 20.841   | ug/l   | 96       |
| 21) 1,1-Dichloroethane       | 6.565     | 63    | 71674    | 20.339   | ug/l   | 99       |
| 22) cis-1,2-Dichloroethene   | 7.483     | 96    | 44718    | 20.587   | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 5.512     | 59    | 35358    | 110.664  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.795     | 73    | 121741   | 21.432   | ug/l # | 74       |
| 25) Chloroform               | 7.965     | 83    | 74641    | 20.218   | ug/l   | 100      |
| 26) Cyclohexane              | 8.253     | 56    | 56899    | 19.610   | ug/l # | 93       |
| 29) 1,1-Dichloropropene      | 8.371     | 75    | 51348    | 19.659   | ug/l   | 95       |
| 30) 2-Butanone               | 7.477     | 43    | 130125   | 108.562  | ug/l   | 98       |
| 31) 2,2-Dichloropropane      | 7.483     | 77    | 65963    | 19.694   | ug/l # | 100      |
| 32) 1,1,1-Trichloroethane    | 8.165     | 97    | 68382    | 19.342   | ug/l   | 97       |
| 33) Carbon Tetrachloride     | 8.365     | 117   | 61882    | 19.398   | ug/l   | 93       |
| 34) Benzene                  | 8.600     | 78    | 159828   | 19.479   | ug/l # | 97       |
| 35) Methacrylonitrile        | 7.777     | 41    | 27030    | 20.039   | ug/l   | 93       |
| 36) 1,2-Dichloroethane       | 8.665     | 62    | 54876    | 19.646   | ug/l   | 99       |
| 37) Trichloroethene          | 9.347     | 130   | 38098    | 19.498   | ug/l   | 95       |
| 38) Methylcyclohexane        | 9.600     | 83    | 53887    | 18.974   | ug/l   | 96       |
| 39) 1,2-Dichloropropane      | 9.618     | 63    | 38165    | 19.203   | ug/l   | 89       |
| 40) Dibromomethane           | 9.706     | 93    | 28463    | 19.966   | ug/l   | 98       |
| 41) Bromodichloromethane     | 9.888     | 83    | 61025    | 20.024   | ug/l   | 92       |
| 42) Vinyl Acetate            | 6.600     | 43    | 445381   | 106.188  | ug/l   | 100      |

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 Sample : VN1216WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

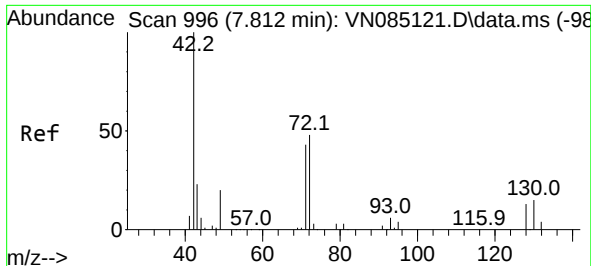
Quant Time: Dec 16 12:21:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Dec 06 22:50:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.553  | 43   | 49449    | 20.734  | ug/l # | 92       |
| 44) Isopropyl Acetate         | 8.683  | 43   | 85730    | 20.685  | ug/l   | 97       |
| 45) 1,4-Dioxane               | 9.694  | 88   | 14082    | 407.451 | ug/l # | 92       |
| 46) Methyl methacrylate       | 9.677  | 41   | 37774    | 19.915  | ug/l   | 93       |
| 47) n-amyl Acetate            | 12.488 | 43   | 69551    | 19.945  | ug/l   | 98       |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 59485    | 19.884  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene   | 10.306 | 75   | 64591    | 19.833  | ug/l   | 97       |
| 50) 1,1,2-Trichloroethane     | 11.012 | 97   | 37876    | 19.717  | ug/l # | 93       |
| 51) Ethyl methacrylate        | 10.871 | 69   | 59503    | 20.365  | ug/l   | 90       |
| 52) 1,3-Dichloropropane       | 11.159 | 76   | 65044    | 20.232  | ug/l   | 98       |
| 53) Dibromochloromethane      | 11.359 | 129  | 46465    | 19.848  | ug/l   | 96       |
| 54) 1,2-Dibromoethane         | 11.465 | 107  | 38069    | 19.669  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 157517   | 116.053 | ug/l   | 100      |
| 56) Bromoform                 | 12.576 | 173  | 31005    | 19.753  | ug/l # | 97       |
| 58) 4-Methyl-2-Pentanone      | 10.441 | 43   | 251194   | 103.526 | ug/l   | 98       |
| 59) 2-Hexanone                | 11.194 | 43   | 189877   | 103.278 | ug/l   | 97       |
| 61) Tetrachloroethene         | 11.100 | 164  | 35715    | 19.837  | ug/l   | 95       |
| 62) Toluene                   | 10.630 | 91   | 169444   | 19.542  | ug/l   | 100      |
| 64) Chlorobenzene             | 11.888 | 112  | 105294   | 19.669  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 41250    | 20.641  | ug/l   | 93       |
| 66) Ethyl Benzene             | 11.959 | 91   | 180260   | 19.592  | ug/l   | 95       |
| 67) m/p-Xylenes               | 12.071 | 106  | 139966   | 39.552  | ug/l   | 99       |
| 68) o-Xylene                  | 12.394 | 106  | 67500    | 20.311  | ug/l   | 98       |
| 69) Styrene                   | 12.406 | 104  | 113349   | 20.099  | ug/l   | 100      |
| 70) Isopropylbenzene          | 12.694 | 105  | 170936   | 19.942  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 53129    | 20.363  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 12.988 | 75   | 67849    | 26.326  | ug/l   | 76       |
| 73) Bromobenzene              | 12.976 | 156  | 43049    | 20.050  | ug/l   | 99       |
| 74) n-propylbenzene           | 13.035 | 91   | 197415   | 19.157  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 126567   | 19.864  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 143813   | 19.583  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 12.729 | 75   | 19066    | 20.358  | ug/l   | 92       |
| 78) 4-Chlorotoluene           | 13.218 | 91   | 126224   | 19.518  | ug/l   | 100      |
| 79) tert-butylbenzene         | 13.435 | 119  | 119154   | 19.754  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 145777   | 20.096  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 13.618 | 105  | 169356   | 19.763  | ug/l   | 98       |
| 82) p-Isopropyltoluene        | 13.723 | 119  | 140763   | 19.813  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 77122    | 19.578  | ug/l   | 100      |
| 84) 1,4-Dichlorobenzene       | 13.812 | 146  | 76595    | 19.952  | ug/l   | 99       |
| 85) n-Butylbenzene            | 14.053 | 91   | 114947   | 19.288  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.335 | 117  | 27662    | 19.558  | ug/l   | 97       |
| 87) 1,2-Dichlorobenzene       | 14.106 | 146  | 75009    | 20.174  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 11257    | 21.598  | ug/l   | 99       |
| 89) 1,2,4-Trichlorobenzene    | 15.841 | 180  | 37581    | 20.638  | ug/l   | 96       |
| 90) Hexachlorobutadiene       | 15.500 | 225  | 19537    | 20.647  | ug/l   | 96       |
| 91) Naphthalene               | 15.635 | 128  | 116630   | 20.616  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 37581    | 20.638  | ug/l   | 96       |

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

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QLast Update : Fri Dec 06 22:50:42 2024  
Response via : Initial Calibration

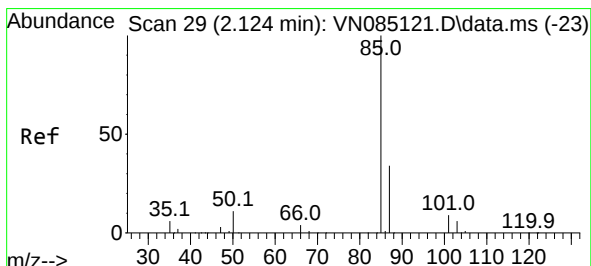
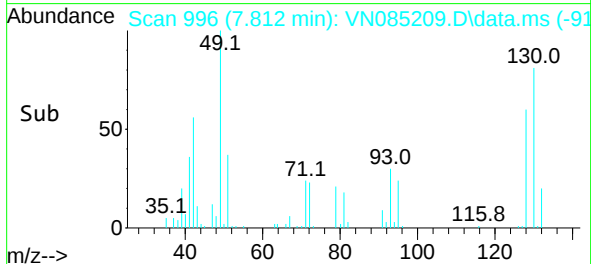
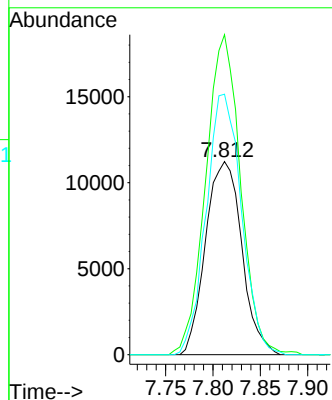
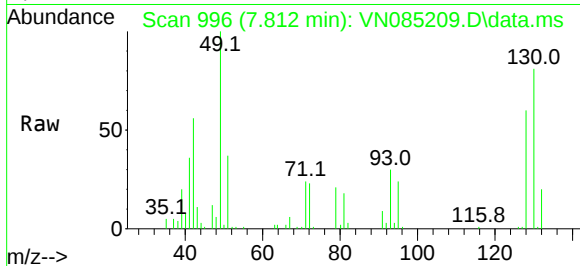




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

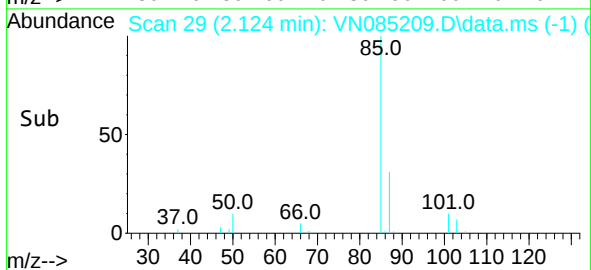
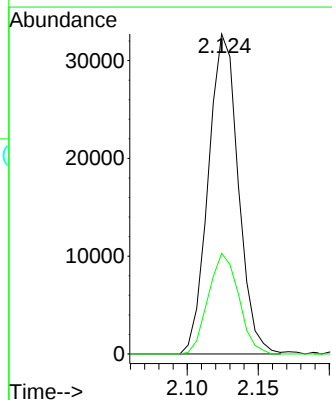
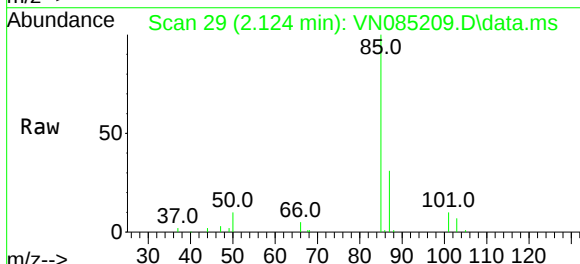
Instrument :  
MSVOA\_N  
ClientSampleId :

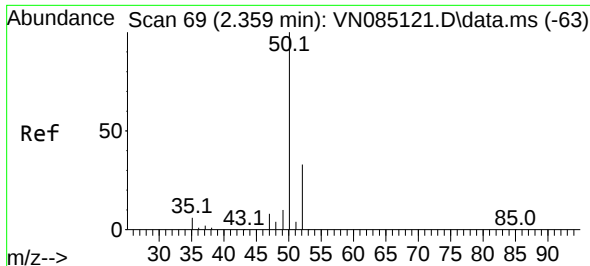
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 158.9 | 0.0   | 394.5 |
| 130     | 131.8 | 0.0   | 316.5 |



#2  
Dichlorodifluoromethane  
Concen: 20.136 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 31.5  | 16.8  | 50.3  |

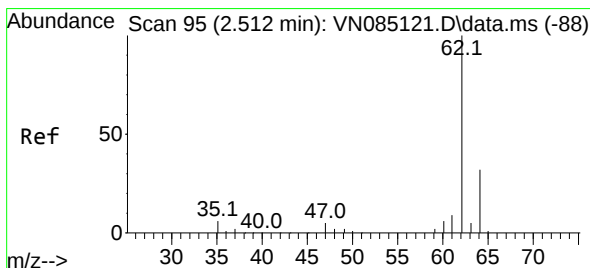
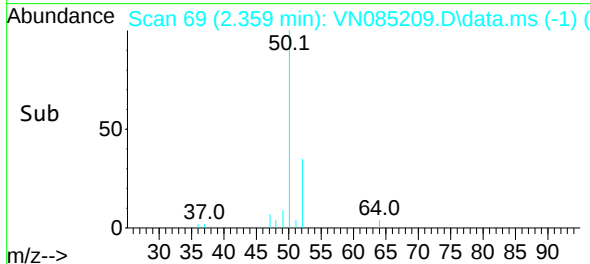
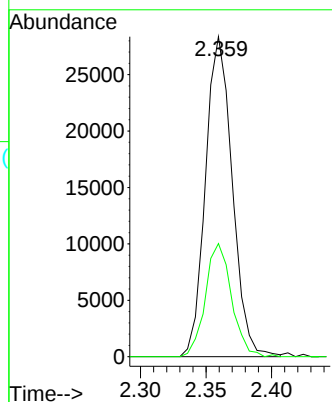
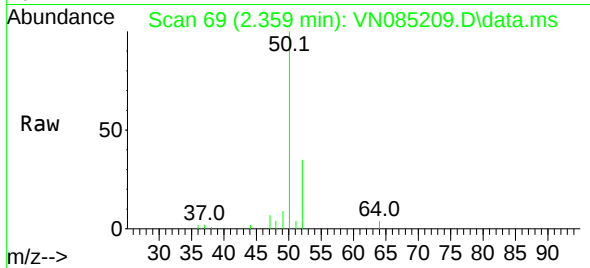




#3  
Chloromethane  
Concen: 19.083 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

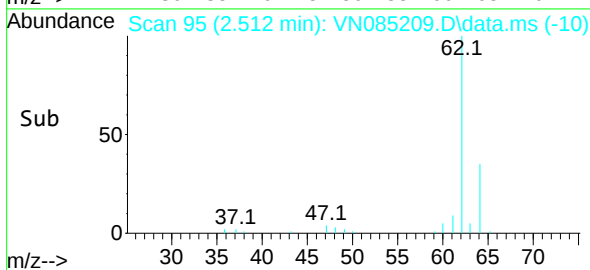
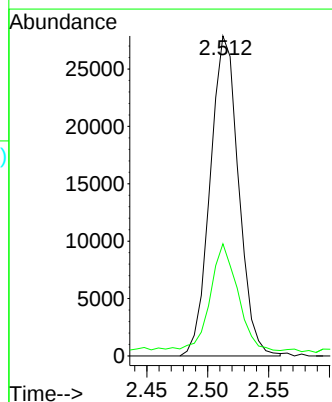
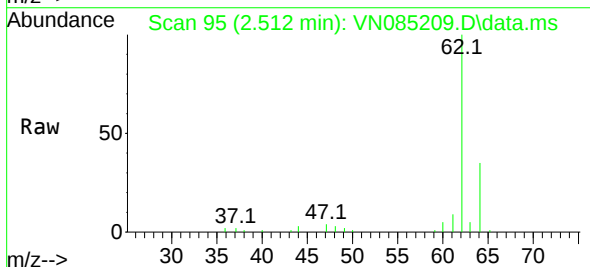
Instrument :  
MSVOA\_N  
ClientSampleId :

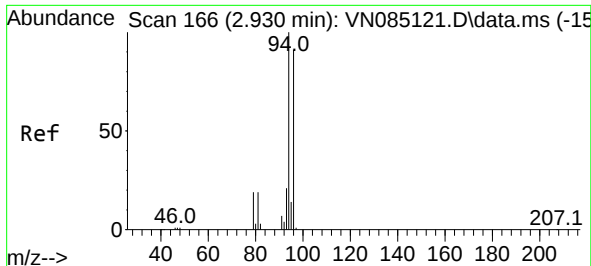
Tgt Ion: 50 Resp: 40344  
Ion Ratio Lower Upper  
50 100  
52 35.3 25.0 37.4



#4  
Vinyl Chloride  
Concen: 20.934 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

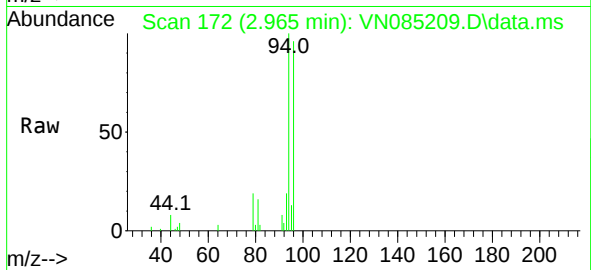
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Ion Ratio Lower Upper  
62 100  
64 33.3 24.9 37.3



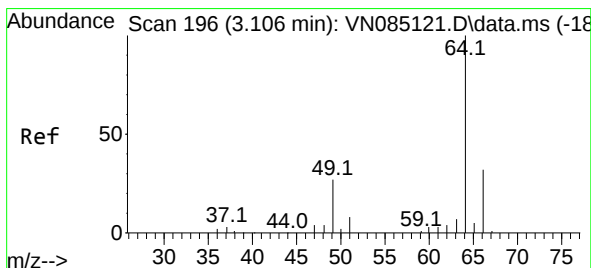
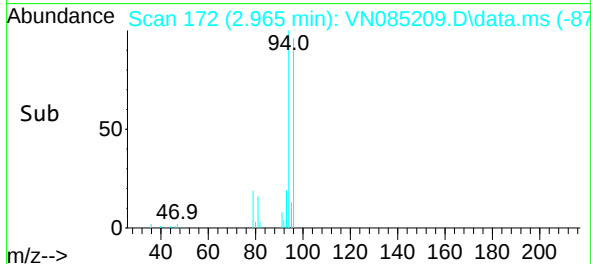
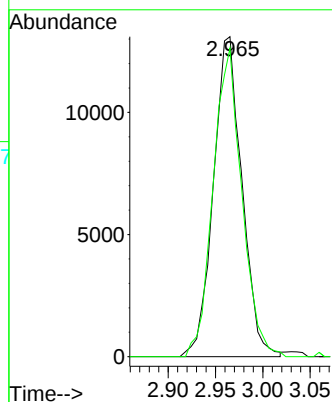


#5  
Bromomethane  
Concen: 19.991 ug/l  
RT: 2.965 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Instrument :  
MSVOA\_N  
ClientSampleId :

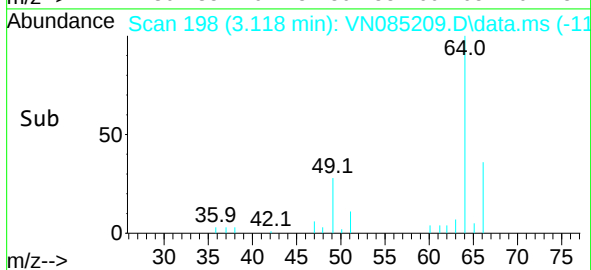
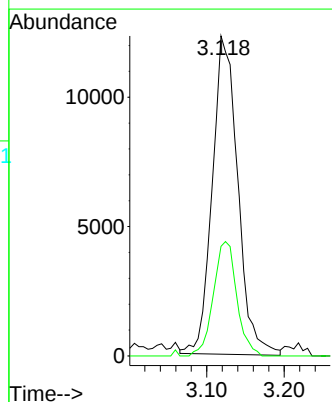
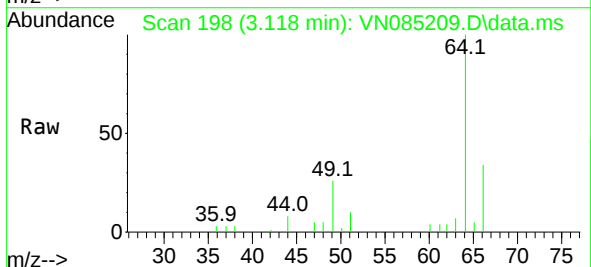


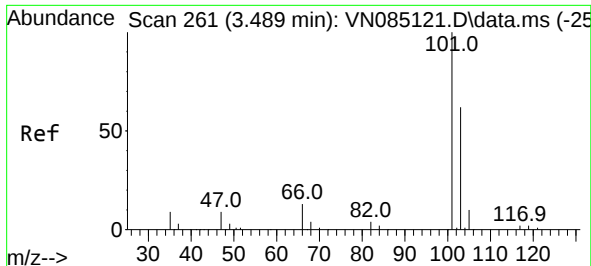
Tgt Ion: 94 Resp: 27446  
Ion Ratio Lower Upper  
94 100  
96 96.4 76.2 114.4



#6  
Chloroethane  
Concen: 21.216 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. -0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

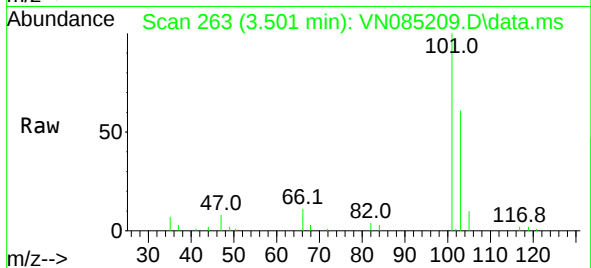
Tgt Ion: 64 Resp: 28186  
Ion Ratio Lower Upper  
64 100  
66 34.9 25.5 38.3



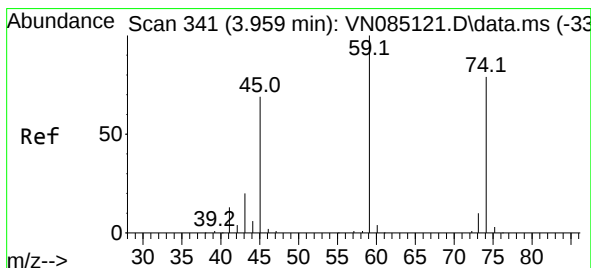
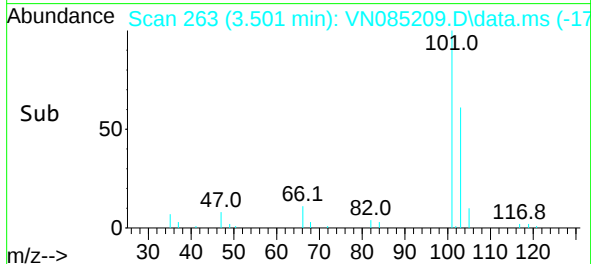
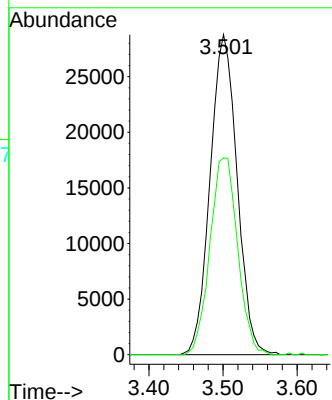


#7  
Trichlorofluoromethane  
Concen: 20.573 ug/l  
RT: 3.501 min Scan# 261  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Instrument :  
MSVOA\_N  
ClientSampleId :

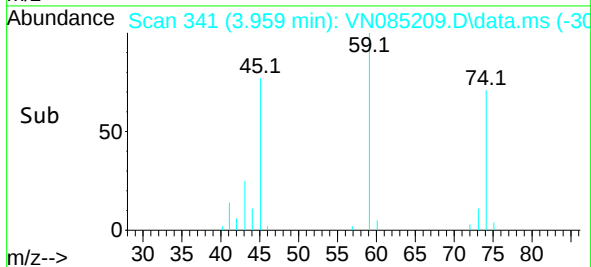
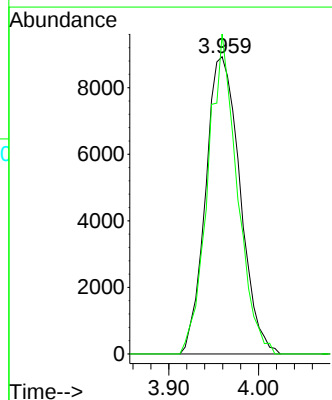
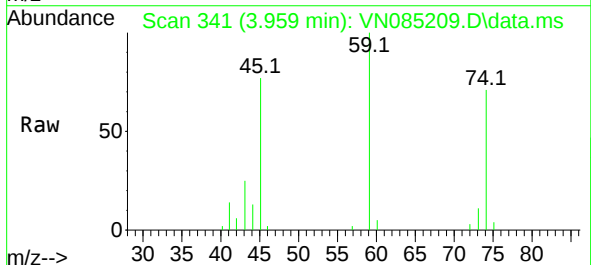


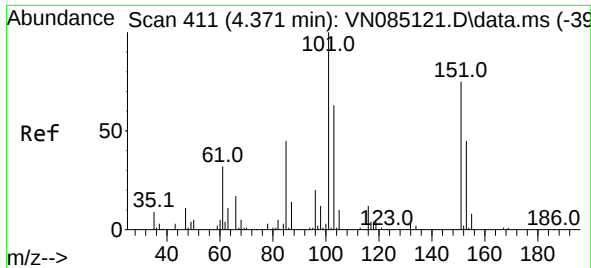
Tgt Ion:101 Resp: 72820  
Ion Ratio Lower Upper  
101 100  
103 61.5 51.3 76.9



#8  
Diethyl Ether  
Concen: 21.222 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 74 Resp: 23793  
Ion Ratio Lower Upper  
74 100  
45 92.1 18.6 167.8

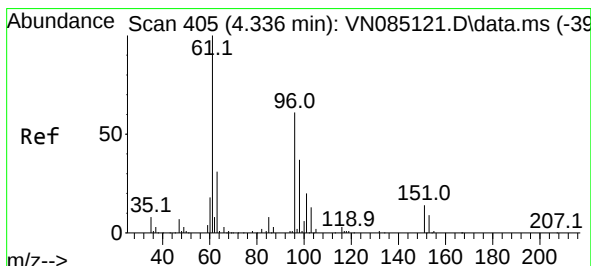
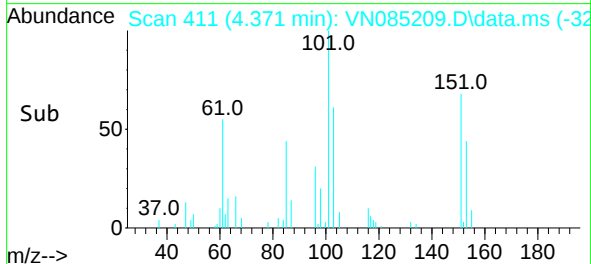
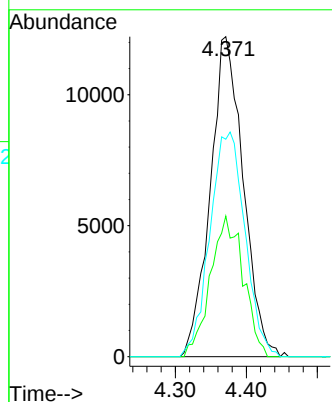
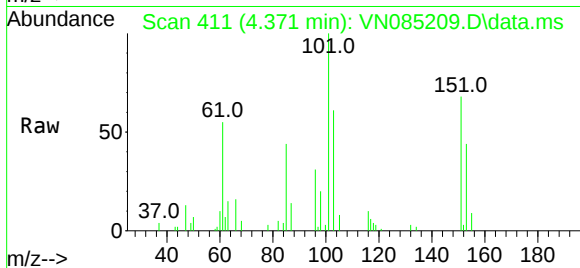




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.912 ug/l  
 RT: 4.371 min Scan# 411  
 Delta R.T. 0.000 min  
 Lab File: VN085209.D  
 Acq: 16 Dec 2024 10:57

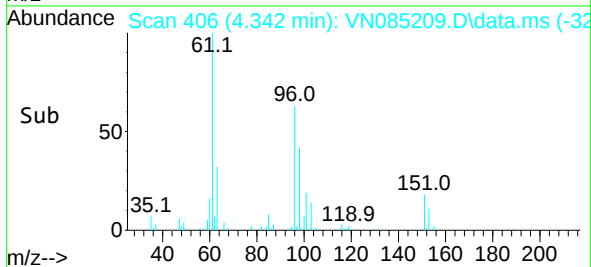
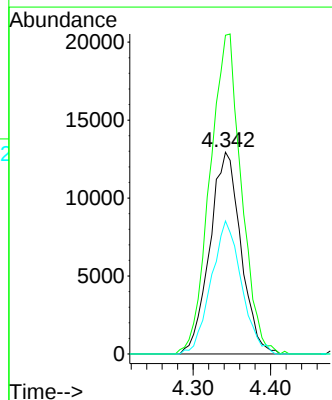
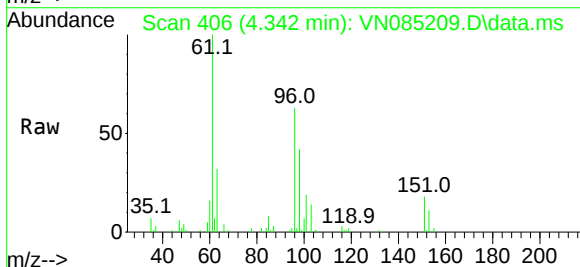
Instrument :  
 MSVOA\_N  
 ClientSampleId :

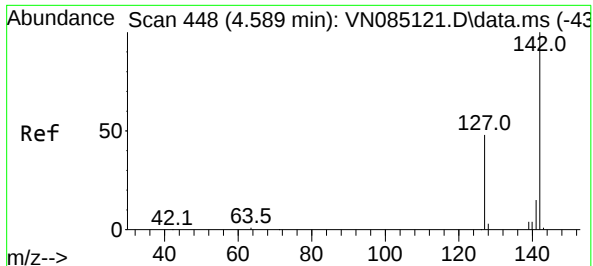
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 39414 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 27.1  | 0.0   | 88.6  |
| 151      | 74.7  | 0.0   | 155.8 |



#10  
 1,1-Dichloroethene  
 Concen: 19.853 ug/l  
 RT: 4.342 min Scan# 406  
 Delta R.T. 0.000 min  
 Lab File: VN085209.D  
 Acq: 16 Dec 2024 10:57

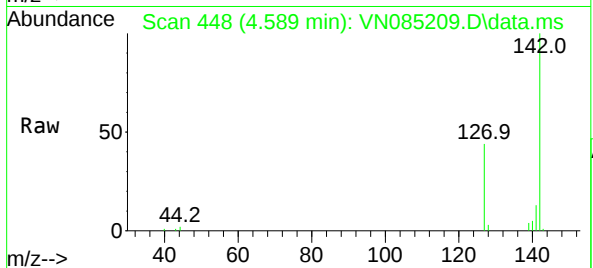
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 36096 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 157.9 | 123.0 | 184.4 |
| 98       | 65.9  | 49.1  | 73.7  |



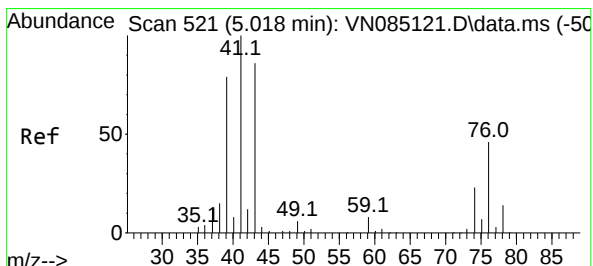
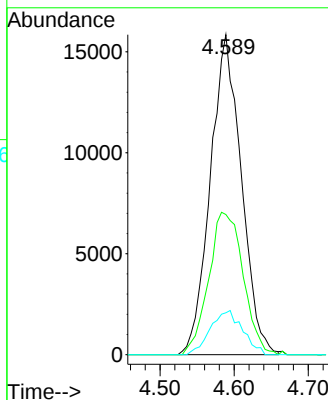
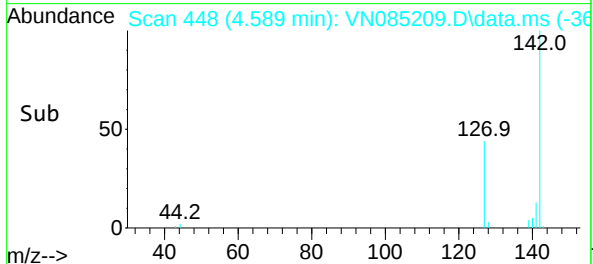


#11  
Methyl Iodide  
Concen: 18.268 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Instrument :  
MSVOA\_N  
ClientSampleId :

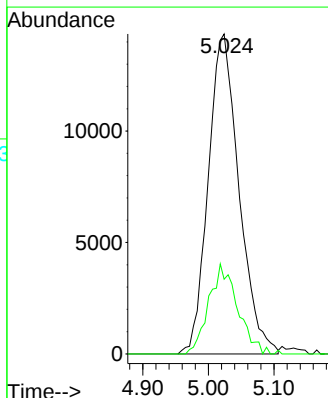
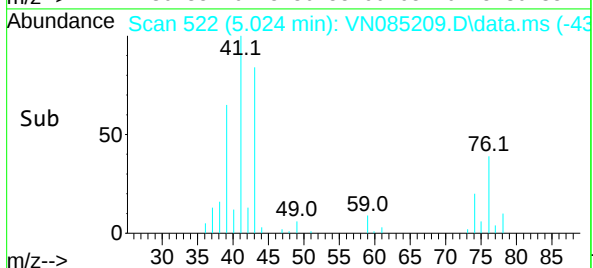
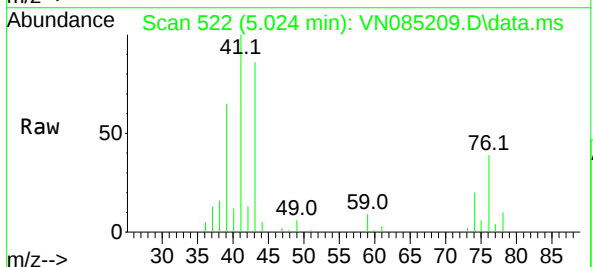


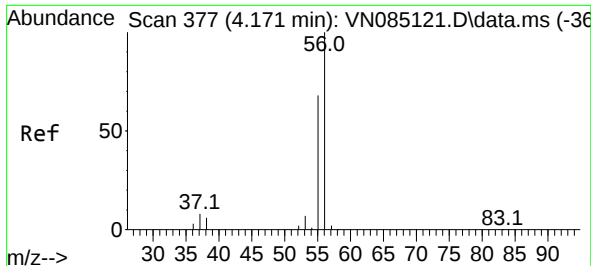
Tgt Ion:142 Resp: 46064  
Ion Ratio Lower Upper  
142 100  
127 44.0 22.5 67.5  
141 13.2 8.3 24.9



#12  
Methyl Acetate  
Concen: 21.790 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 46738  
Ion Ratio Lower Upper  
43 100  
74 22.9 19.8 29.6





#13

Acrolein

Concen: 114.765 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

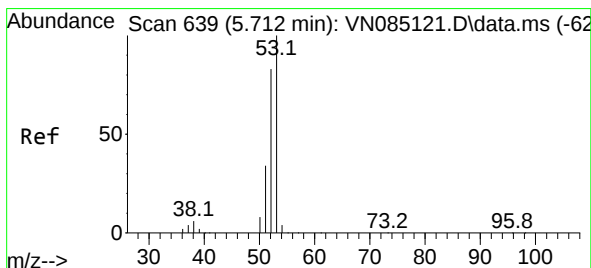
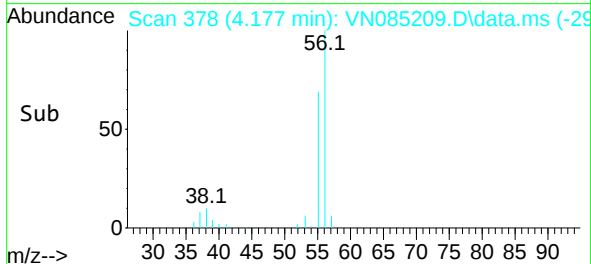
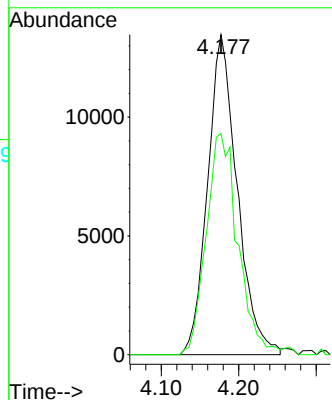
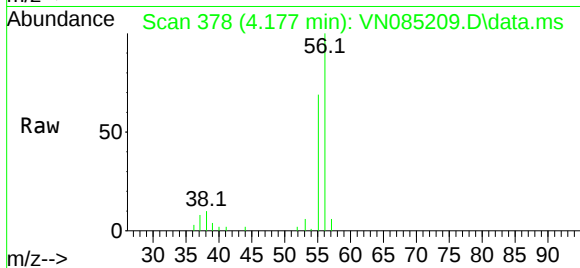
ClientSampleId :

Tgt Ion: 56 Resp: 35773

Ion Ratio Lower Upper

56 100

55 73.0 59.4 89.0



#14

Acrylonitrile

Concen: 102.973 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

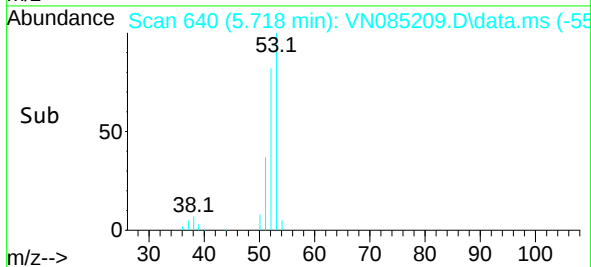
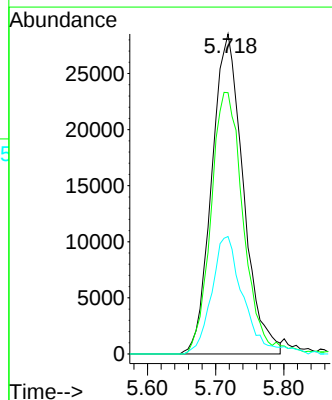
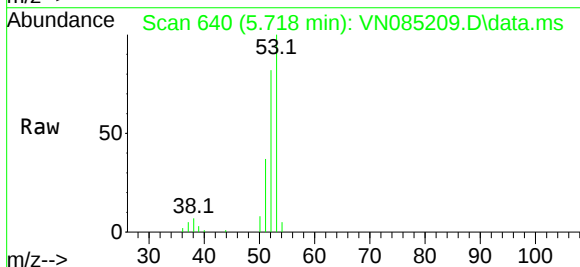
Tgt Ion: 53 Resp: 91712

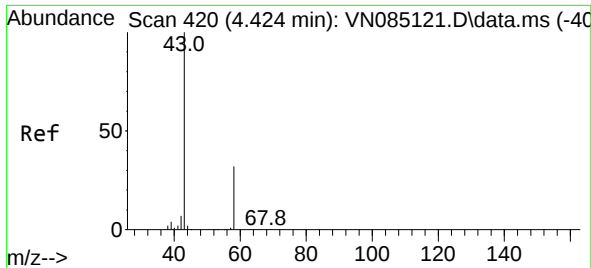
Ion Ratio Lower Upper

53 100

52 82.4 42.9 128.5

51 36.2 17.2 51.5





#15

Acetone

Concen: 120.730 ug/l

RT: 4.424 min Scan# 43

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

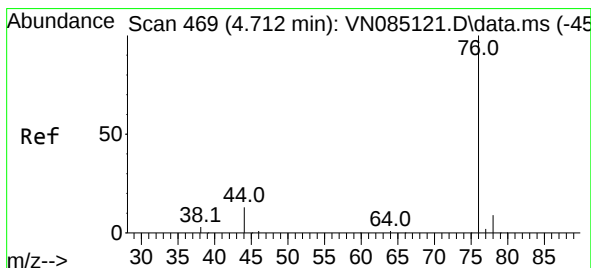
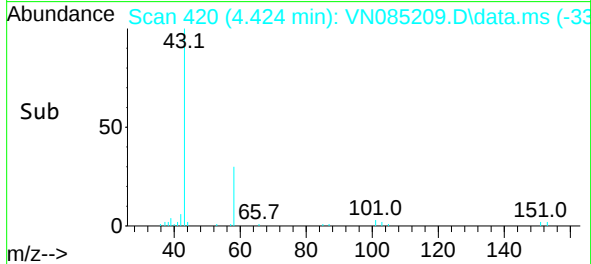
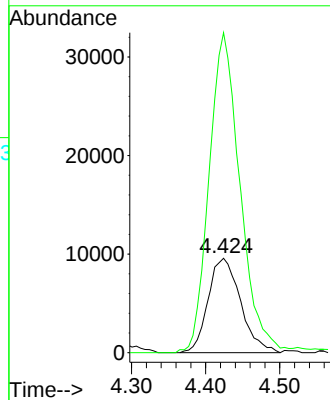
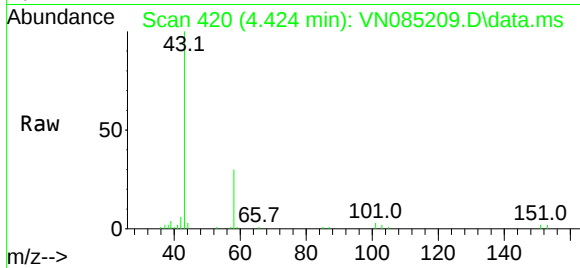
ClientSampleId :

Tgt Ion: 58 Resp: 29139

Ion Ratio Lower Upper

58 100

43 335.6 242.3 363.5



#16

Carbon Disulfide

Concen: 19.385 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN085209.D

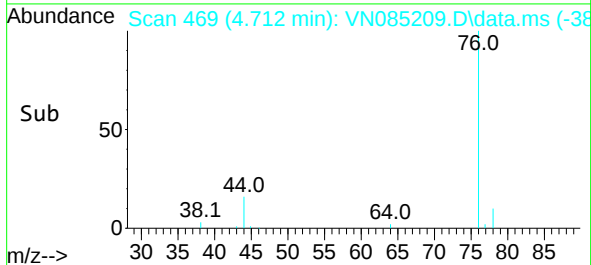
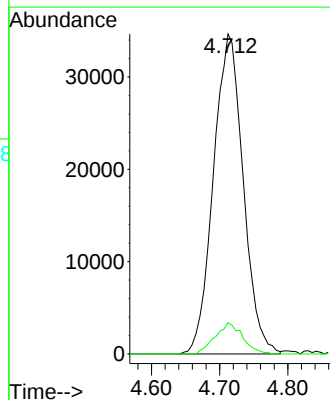
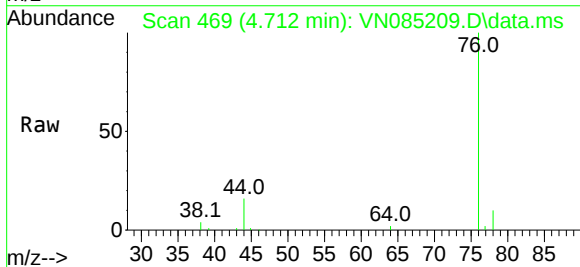
Acq: 16 Dec 2024 10:57

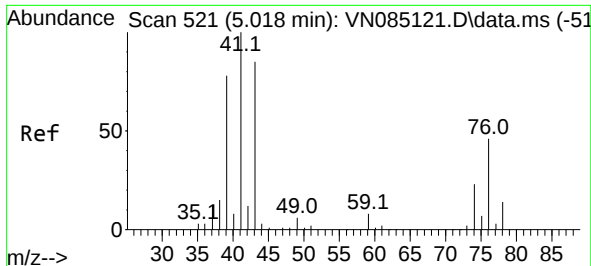
Tgt Ion: 76 Resp: 105348

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7





#17

Allyl chloride

Concen: 20.184 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN085209.D

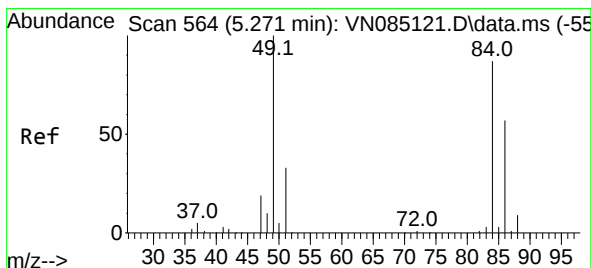
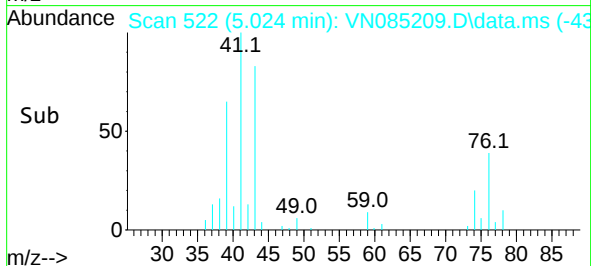
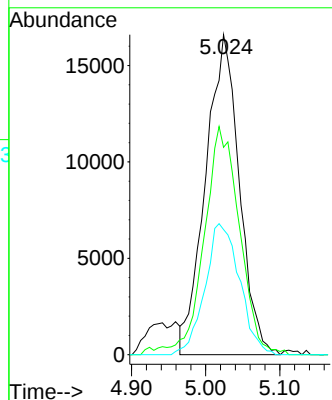
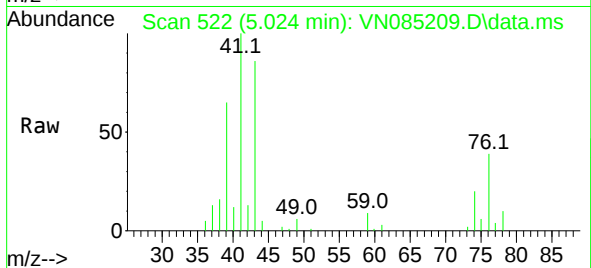
Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 52512 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 63.8     | 32.0 96.2   |
| 76 39.1     | 20.2 60.5   |



#18

Methylene Chloride

Concen: 19.976 ug/l

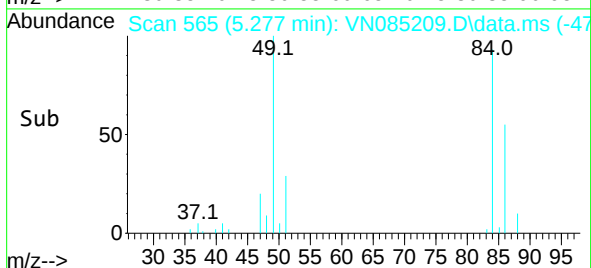
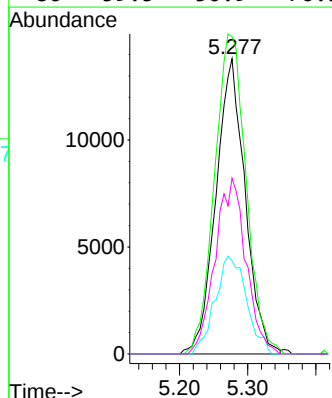
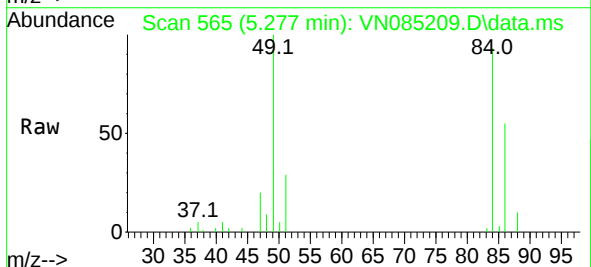
RT: 5.277 min Scan# 565

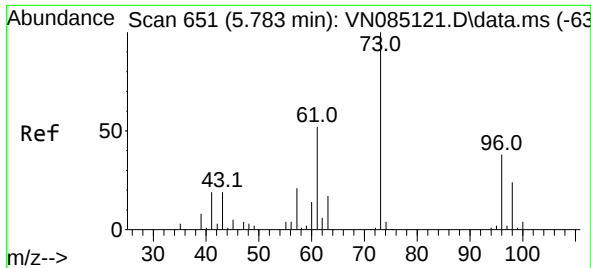
Delta R.T. 0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

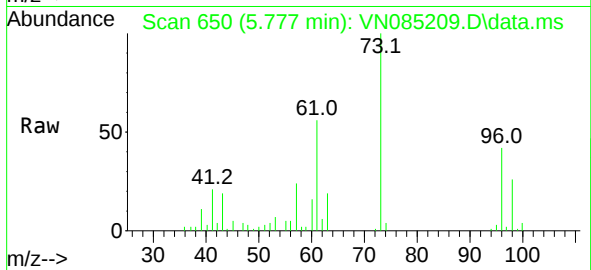
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 41210 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 107.5    | 95.1 142.7  |
| 51 31.5     | 27.4 41.0   |
| 86 59.5     | 50.9 76.3   |





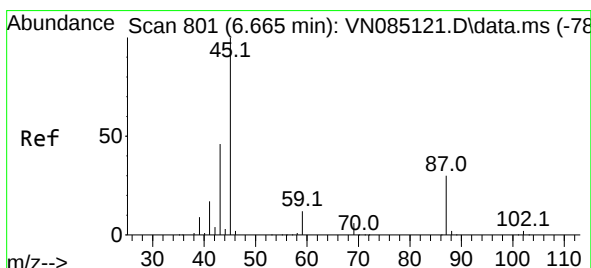
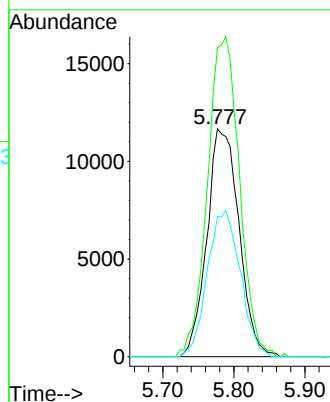
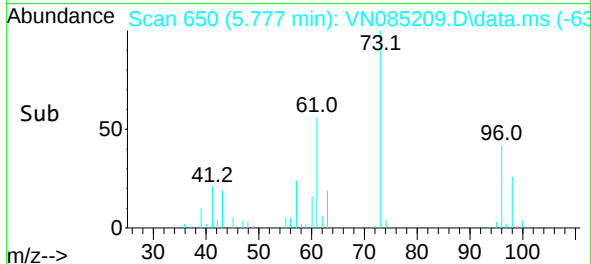
#19  
trans-1,2-Dichloroethene  
Concen: 19.353 ug/l  
RT: 5.777 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Instrument :  
MSVOA\_N  
ClientSampleId :

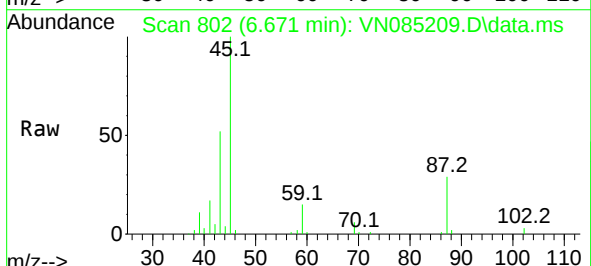


Tgt Ion: 96 Resp: 36574

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 135.5 | 100.4 | 150.6 |
| 98  | 61.5  | 52.6  | 79.0  |

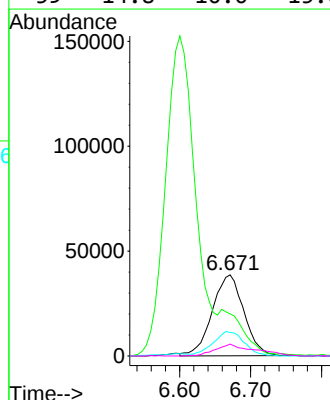
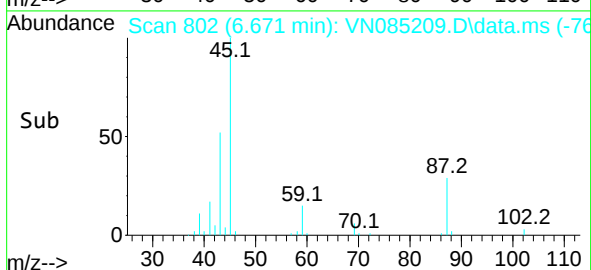


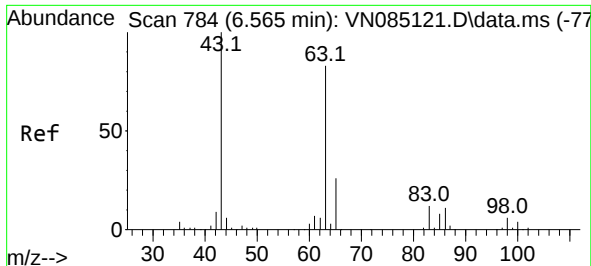
#20  
Diisopropyl ether  
Concen: 20.841 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57



Tgt Ion: 45 Resp: 118990

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 49.4  | 41.9  | 62.9  |
| 87  | 29.3  | 24.1  | 36.1  |
| 59  | 14.8  | 10.0  | 15.0  |

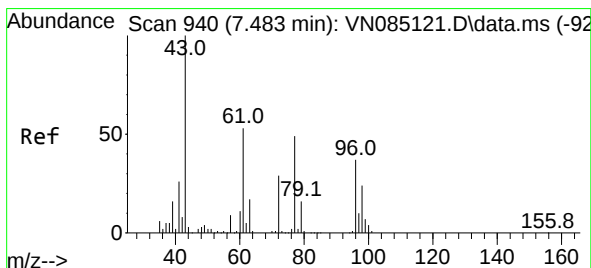
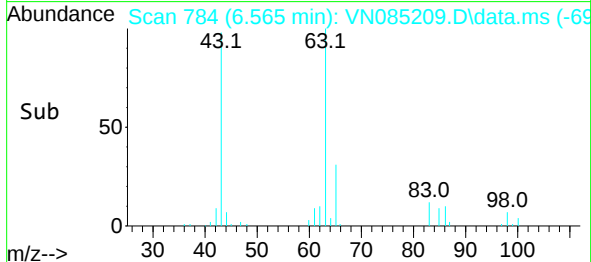
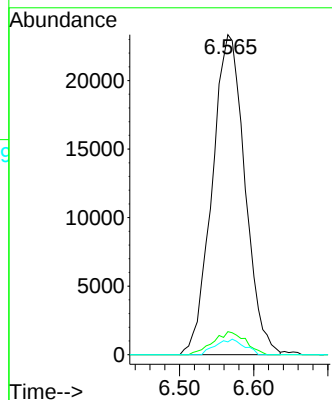
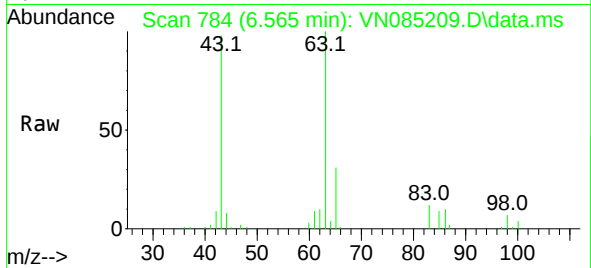




#21  
1,1-Dichloroethane  
Concen: 20.339 ug/l  
RT: 6.565 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

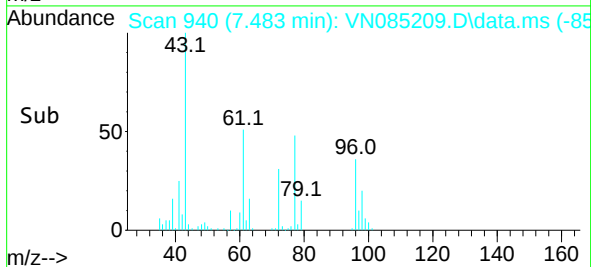
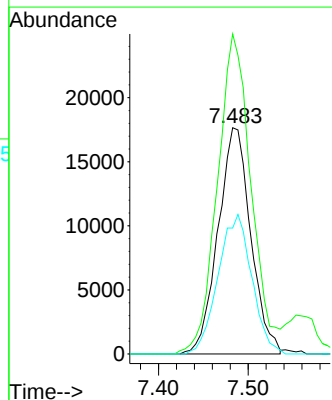
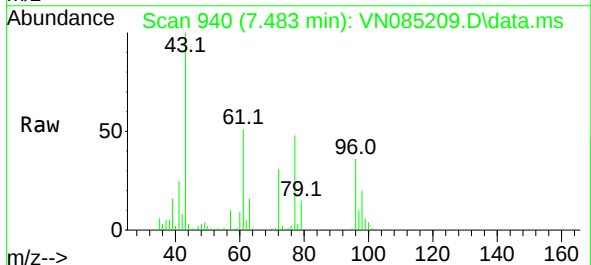
Instrument :  
MSVOA\_N  
ClientSampleId :

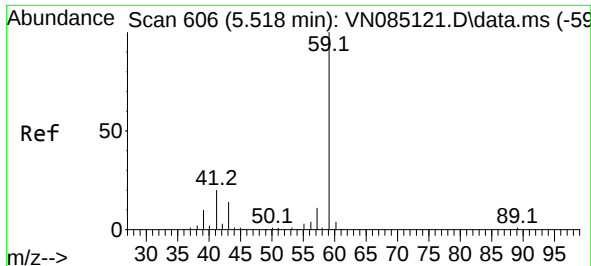
Tgt Ion: 63 Resp: 71674  
Ion Ratio Lower Upper  
63 100  
98 7.2 3.5 10.4  
100 4.0 1.6 4.8



#22  
cis-1,2-Dichloroethene  
Concen: 20.587 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 96 Resp: 44718  
Ion Ratio Lower Upper  
96 100  
61 143.9 115.9 173.9  
98 63.4 51.8 77.8

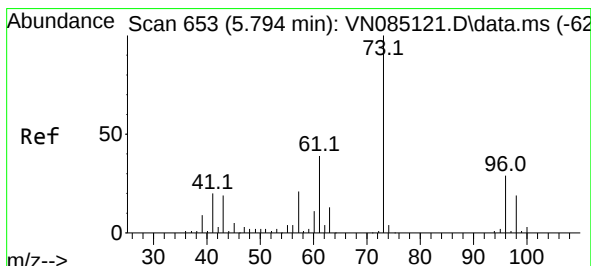
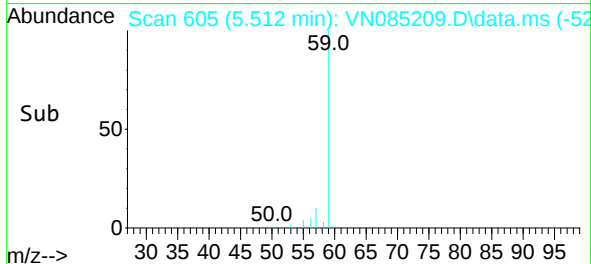
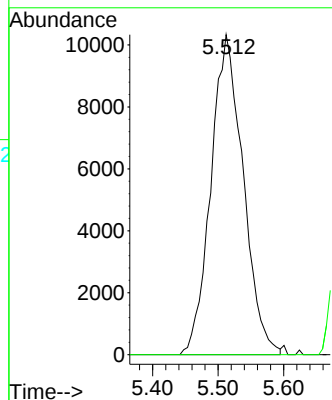
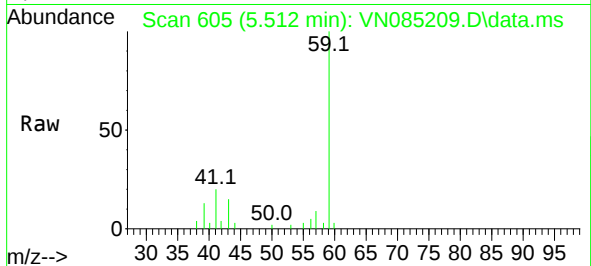




#23  
tert-Butyl Alcohol  
Concen: 110.664 ug/l  
RT: 5.512 min Scan# 606  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

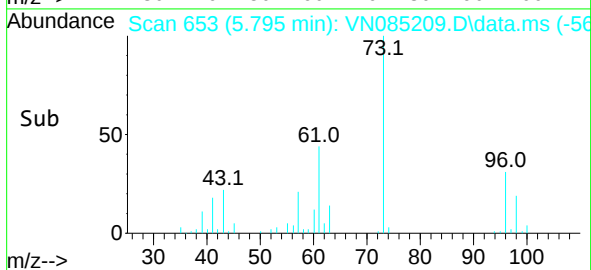
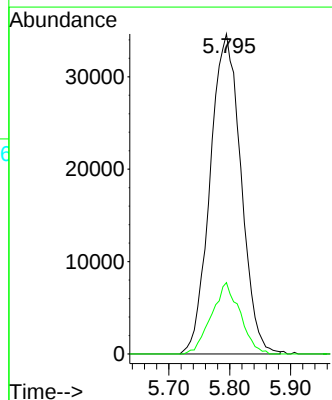
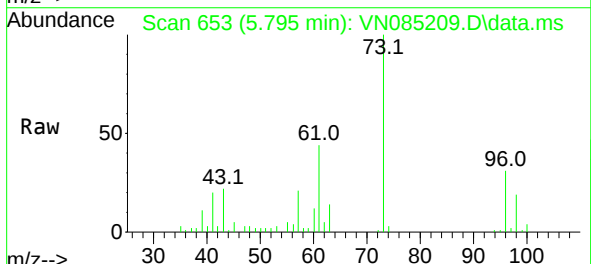
Instrument :  
MSVOA\_N  
ClientSampleId :

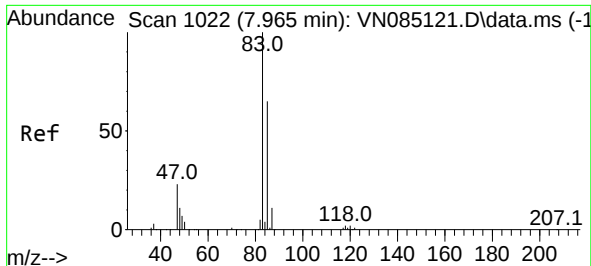
Tgt Ion: 59 Resp: 35358  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 21.432 ug/l  
RT: 5.795 min Scan# 653  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 73 Resp: 121741  
Ion Ratio Lower Upper  
73 100  
43 20.7 8.7 13.1#

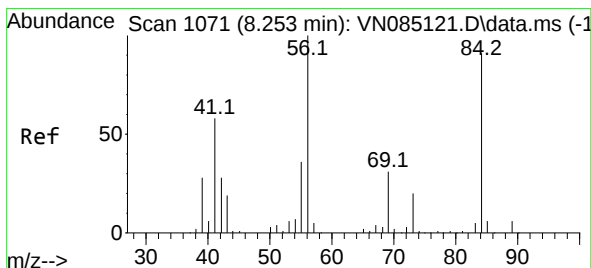
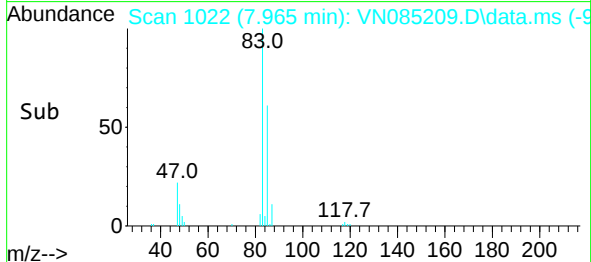
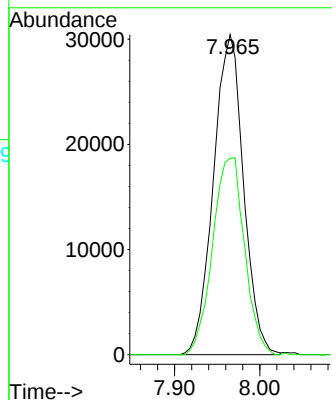
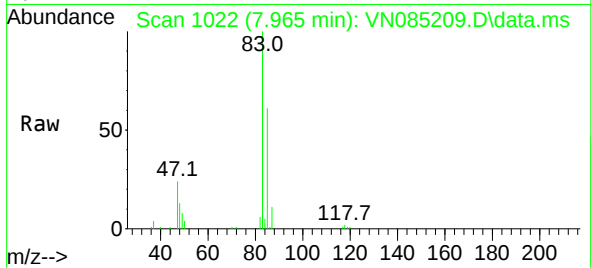




#25  
Chloroform  
Concen: 20.218 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

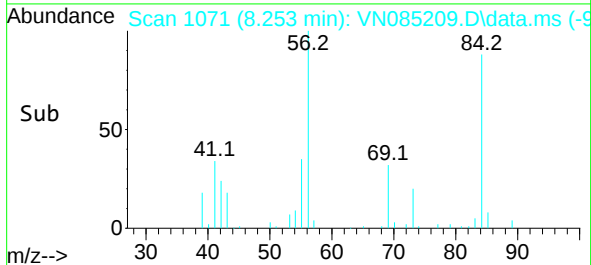
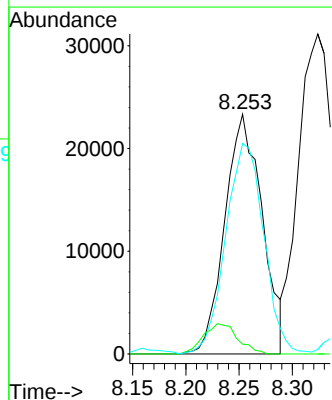
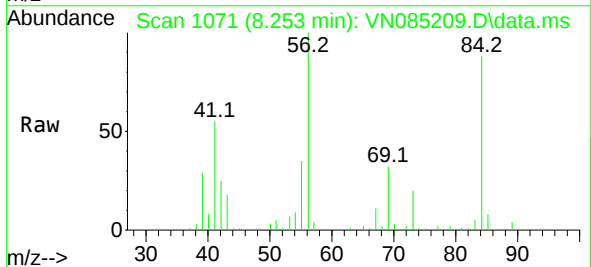
Instrument :  
MSVOA\_N  
ClientSampleId :

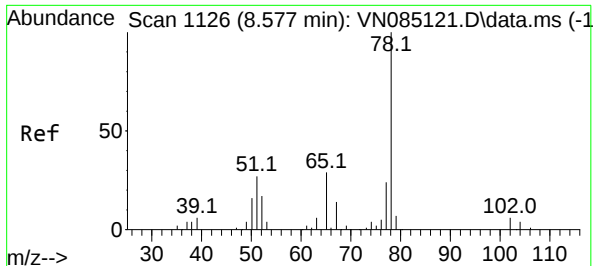
Tgt Ion: 83 Resp: 74641  
Ion Ratio Lower Upper  
83 100  
85 61.4 49.4 74.0



#26  
Cyclohexane  
Concen: 19.610 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 56 Resp: 56899  
Ion Ratio Lower Upper  
56 100  
89 11.6 19.5 29.3#  
84 89.9 70.6 105.8





#27

1,2-Dichloroethane-d4

Concen: 30.408 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

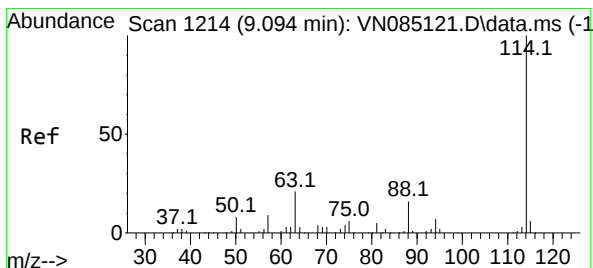
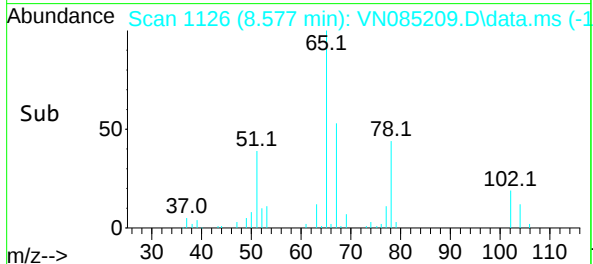
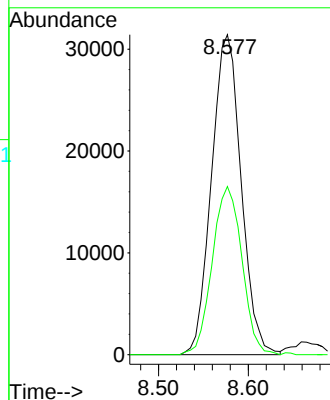
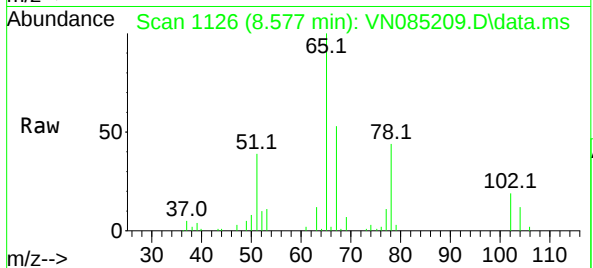
ClientSampleId :

Tgt Ion: 65 Resp: 72034

Ion Ratio Lower Upper

65 100

67 52.5 39.9 59.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

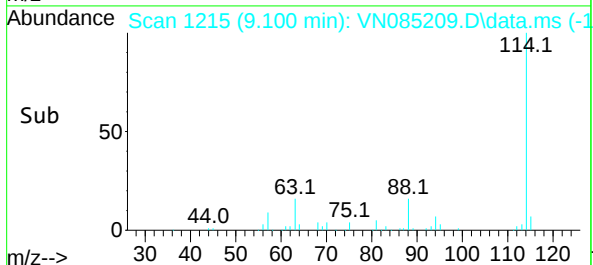
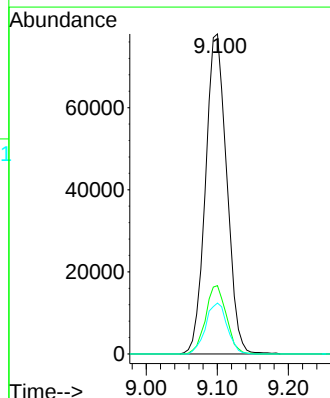
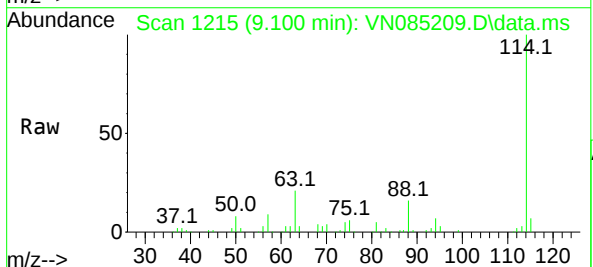
Tgt Ion: 114 Resp: 161867

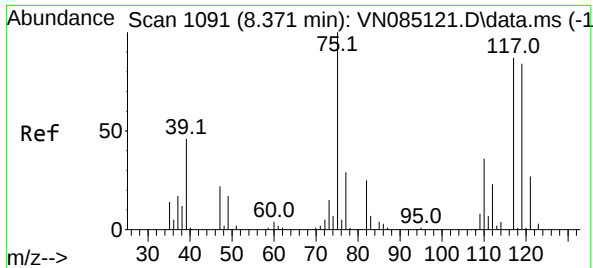
Ion Ratio Lower Upper

114 100

63 21.0 16.2 24.2

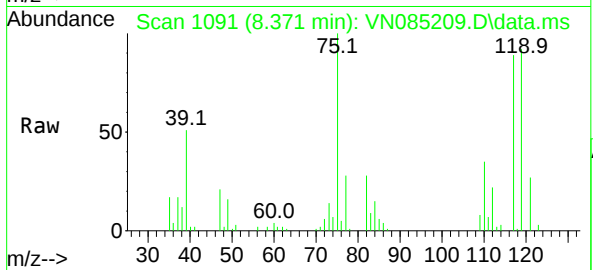
88 16.2 12.5 18.7



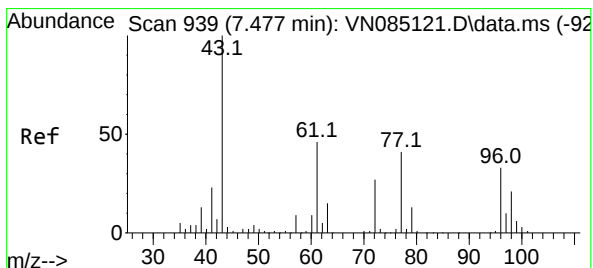
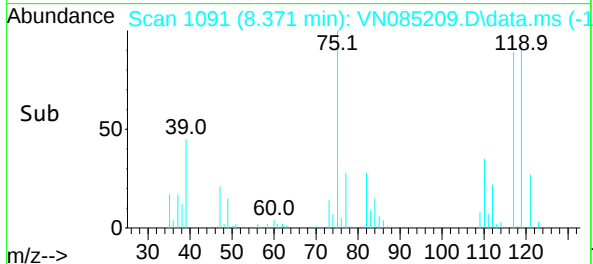
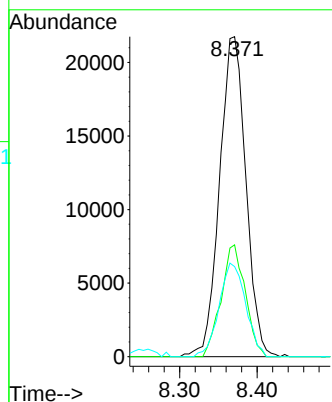


#29  
1,1-Dichloropropene  
Concen: 19.659 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Instrument :  
MSVOA\_N  
ClientSampleId :

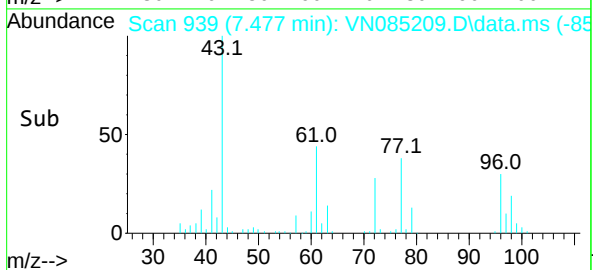
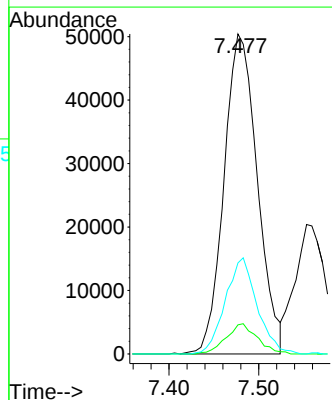
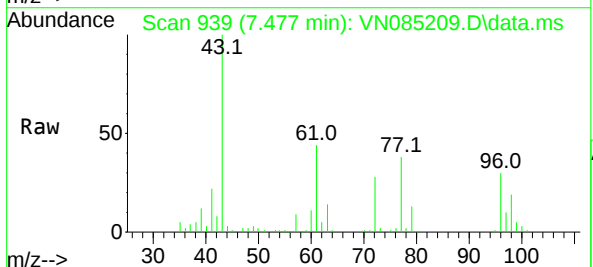


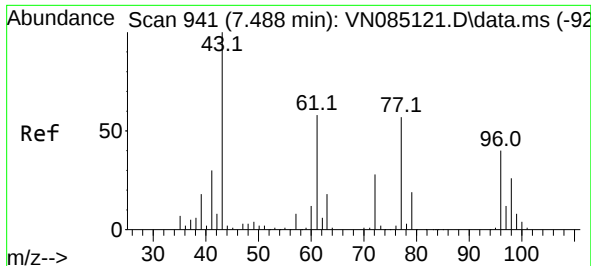
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 51348 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 32.1  | 0.0   | 71.6  |
| 77       | 29.5  | 0.0   | 62.2  |



#30  
2-Butanone  
Concen: 108.562 ug/l  
RT: 7.477 min Scan# 939  
Delta R.T. -0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

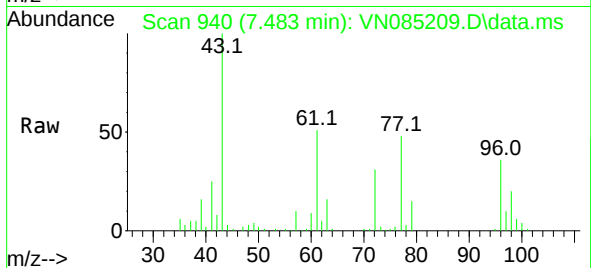
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 130125 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 57       | 8.9   | 6.9   | 10.3   |
| 72       | 28.6  | 21.8  | 32.8   |



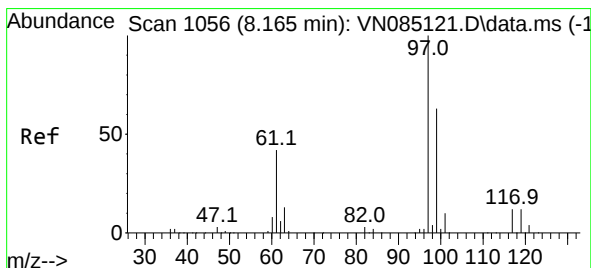
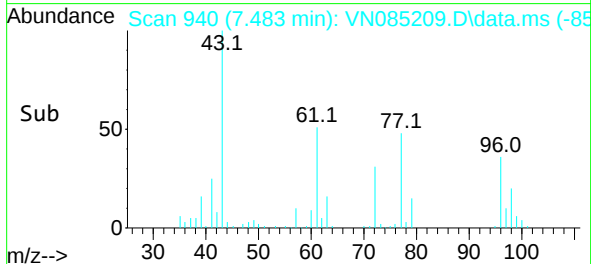
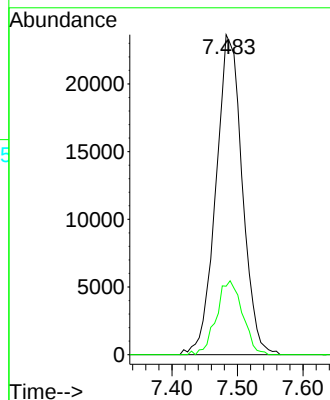


#31  
2,2-Dichloropropane  
Concen: 19.694 ug/l  
RT: 7.483 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Instrument :  
MSVOA\_N  
ClientSampleId :

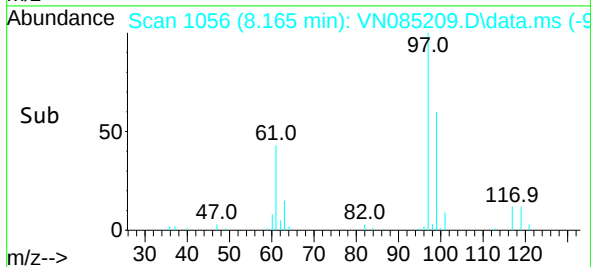
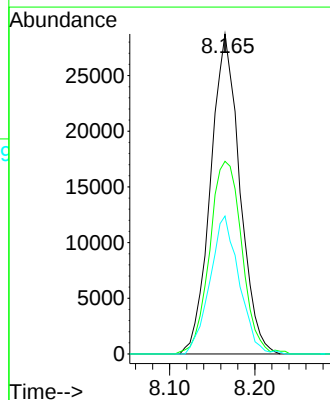
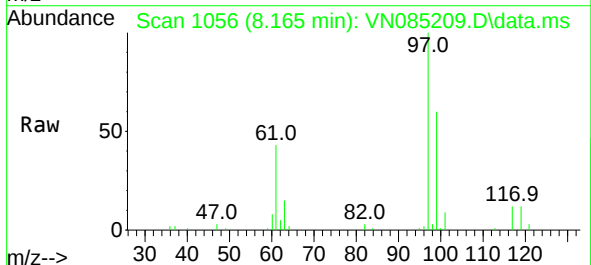


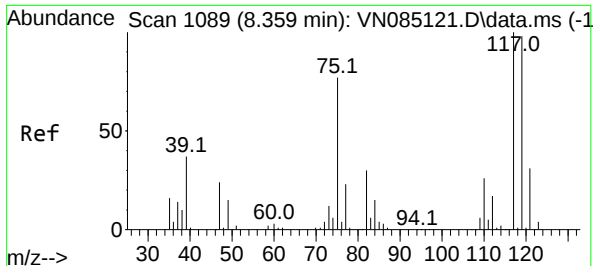
Tgt Ion: 77 Resp: 65963  
Ion Ratio Lower Upper  
77 100  
97 22.8 0.0 0.0#



#32  
1,1,1-Trichloroethane  
Concen: 19.342 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 97 Resp: 68382  
Ion Ratio Lower Upper  
97 100  
99 66.0 50.8 76.2  
61 43.0 32.7 49.1

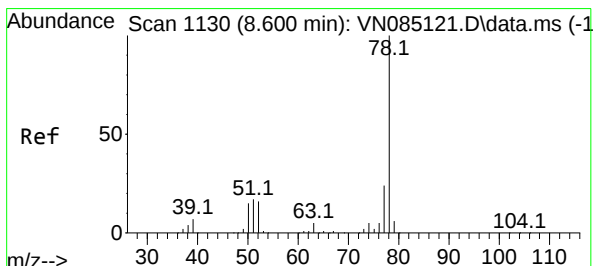
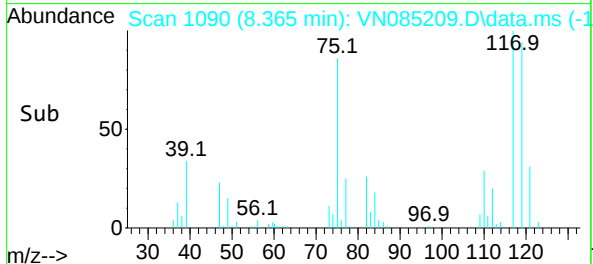
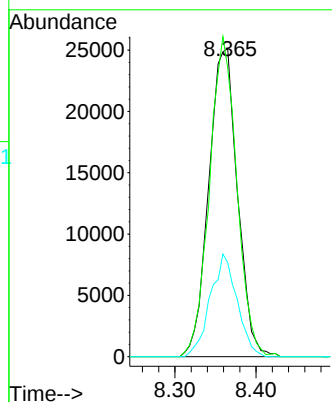
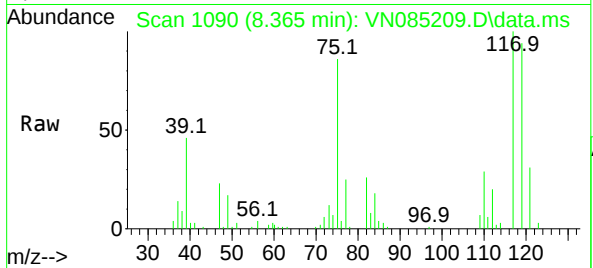




#33  
Carbon Tetrachloride  
Concen: 19.398 ug/l  
RT: 8.365 min Scan# 1109  
Delta R.T. 0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

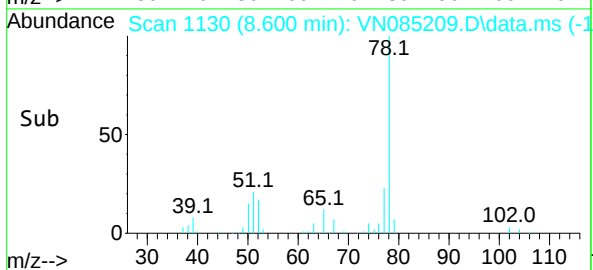
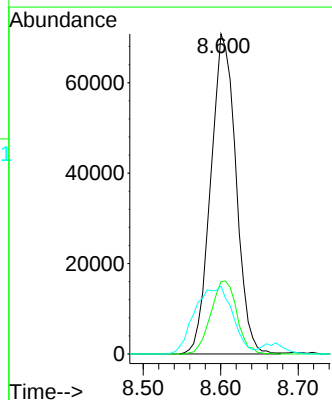
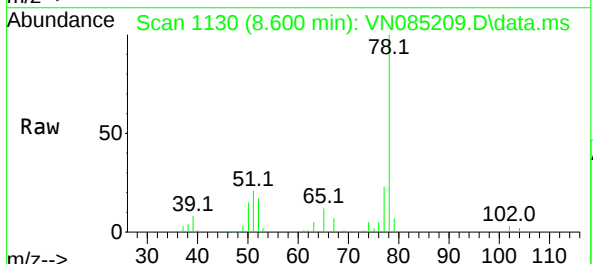
Instrument :  
MSVOA\_N  
ClientSampleId :

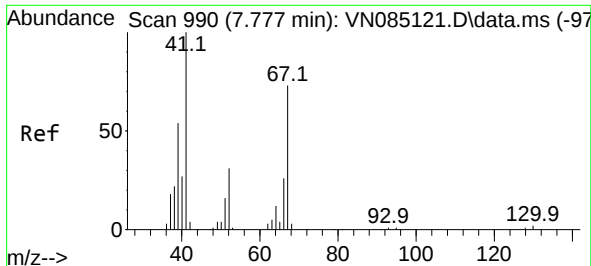
Tgt Ion:117 Resp: 61882  
Ion Ratio Lower Upper  
117 100  
119 93.6 81.6 122.4  
121 30.6 26.5 39.7



#34  
Benzene  
Concen: 19.479 ug/l  
RT: 8.600 min Scan# 1130  
Delta R.T. -0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 78 Resp: 159828  
Ion Ratio Lower Upper  
78 100  
77 22.6 18.0 27.0  
51 18.8 12.4 18.6#



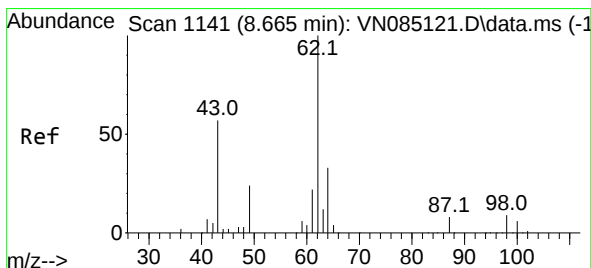
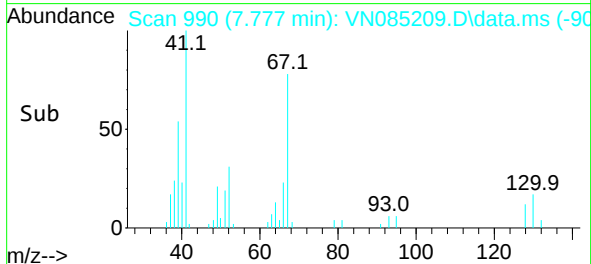
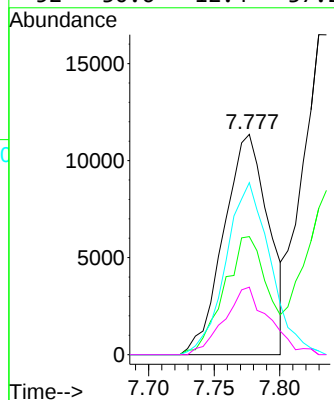
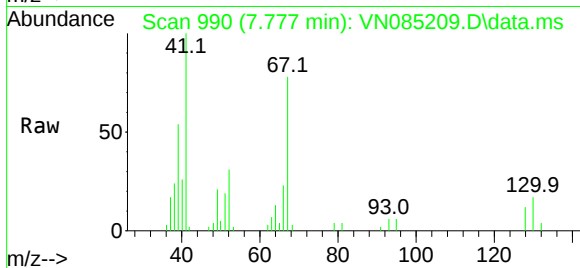


#35  
Methacrylonitrile  
Concen: 20.039 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 41 Resp: 27030

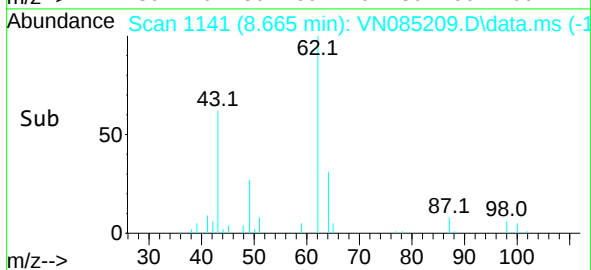
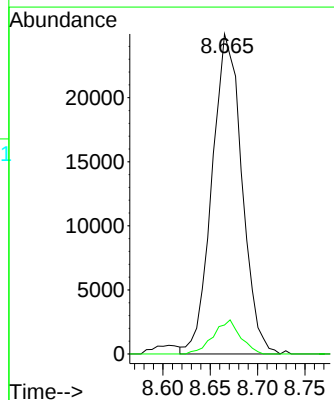
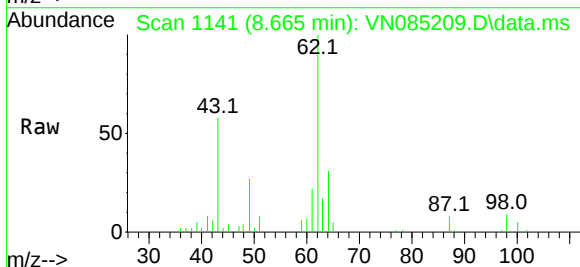
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 53.6  | 24.4  | 73.2  |
| 67  | 78.1  | 37.0  | 110.9 |
| 52  | 30.6  | 12.4  | 37.2  |

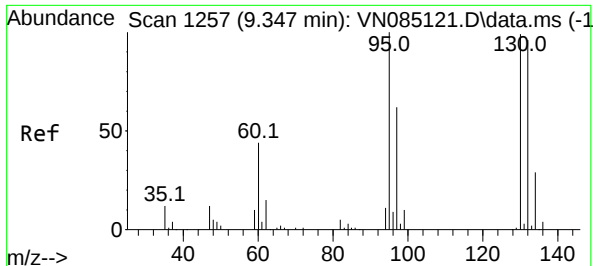


#36  
1,2-Dichloroethane  
Concen: 19.646 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 62 Resp: 54876

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.6   | 7.3   | 10.9  |





#37

Trichloroethene

Concen: 19.498 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

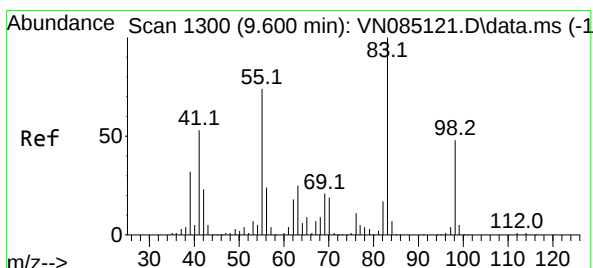
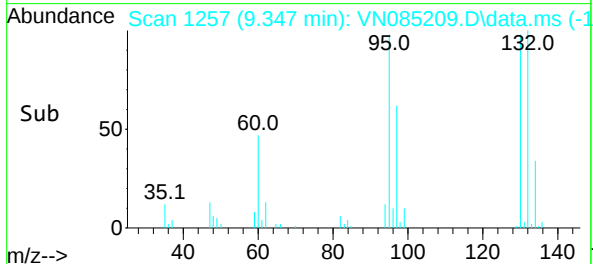
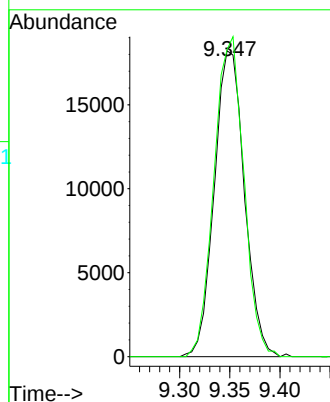
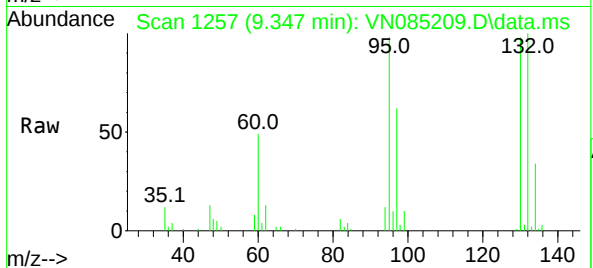
ClientSampleId :

Tgt Ion:130 Resp: 38098

Ion Ratio Lower Upper

130 100

95 100.4 76.2 114.4



#38

Methylcyclohexane

Concen: 18.974 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

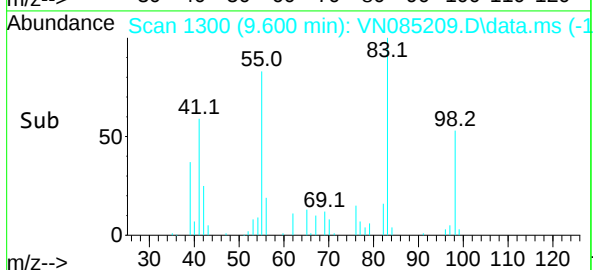
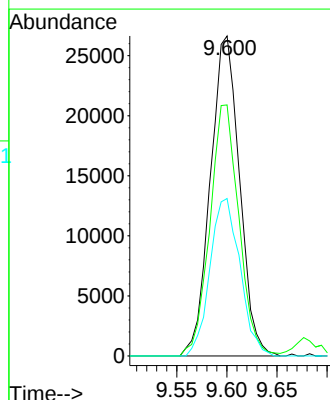
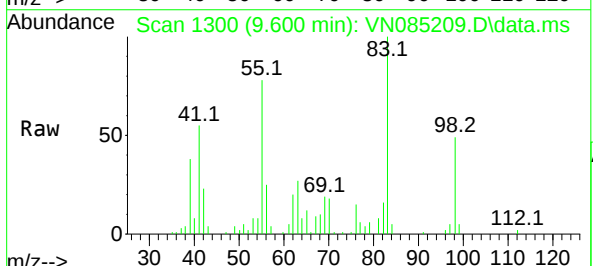
Tgt Ion: 83 Resp: 53887

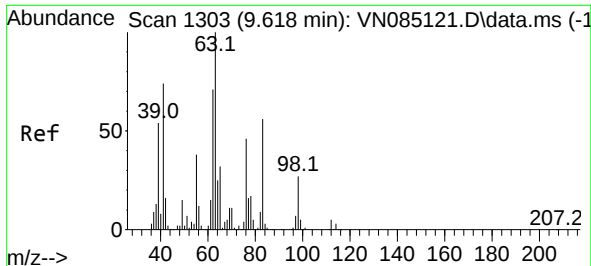
Ion Ratio Lower Upper

83 100

55 78.1 41.4 124.4

98 50.6 25.7 77.1





#39

1,2-Dichloropropane

Concen: 19.203 ug/l

RT: 9.618 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

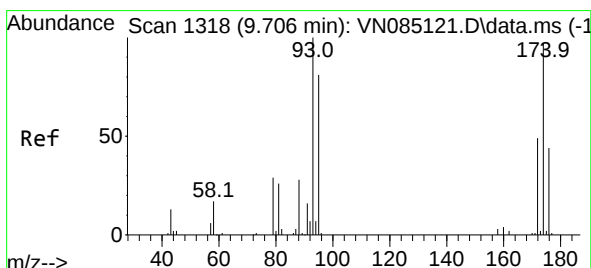
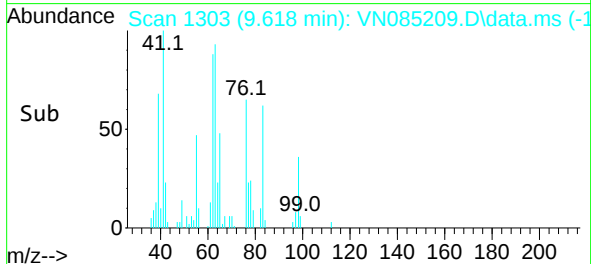
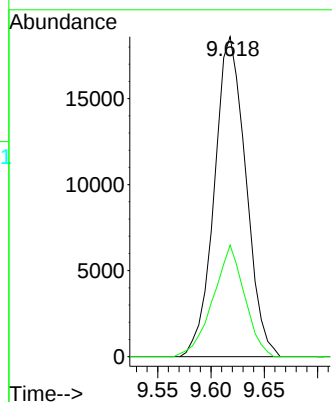
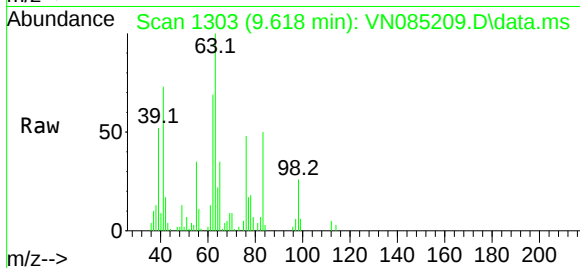
ClientSampleId :

Tgt Ion: 63 Resp: 38165

Ion Ratio Lower Upper

63 100

65 34.9 23.4 35.0



#40

Dibromomethane

Concen: 19.966 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

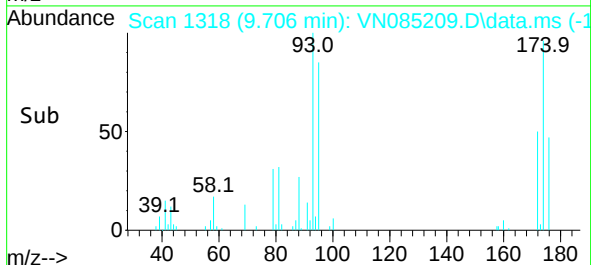
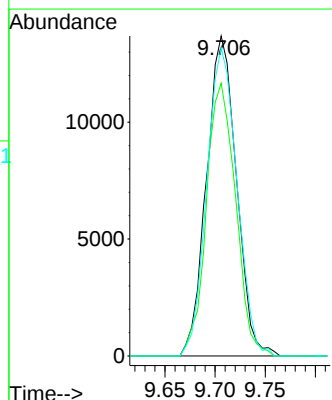
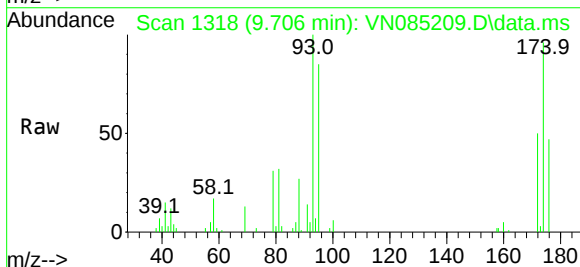
Tgt Ion: 93 Resp: 28463

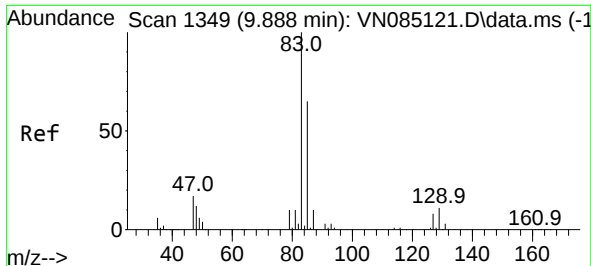
Ion Ratio Lower Upper

93 100

95 83.3 0.0 169.4

174 97.0 0.0 189.8

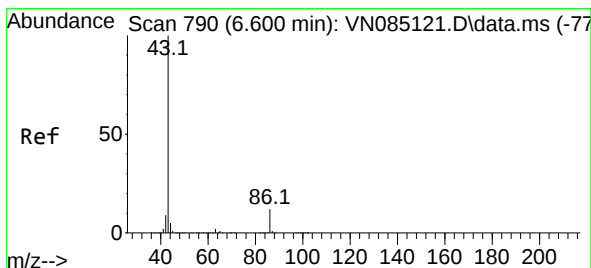
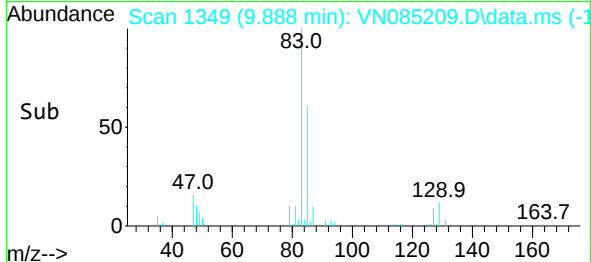
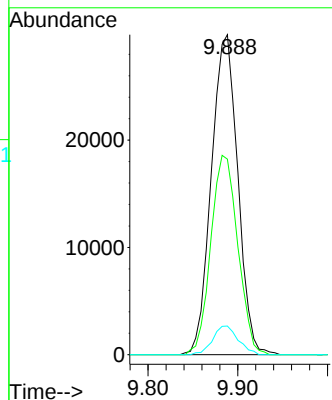
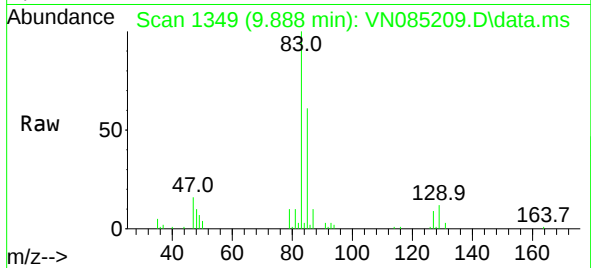




#41  
Bromodichloromethane  
Concen: 20.024 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

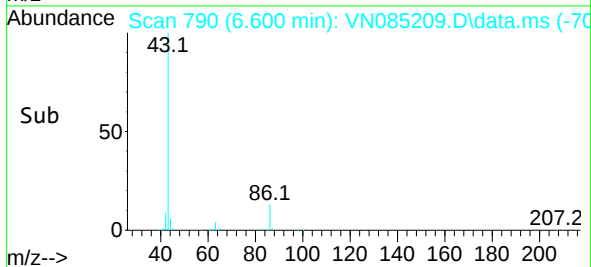
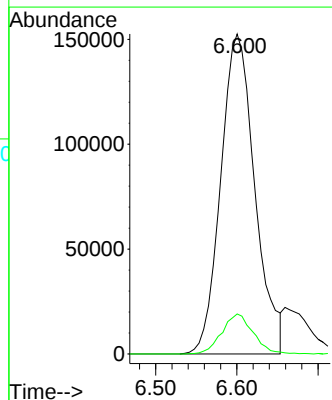
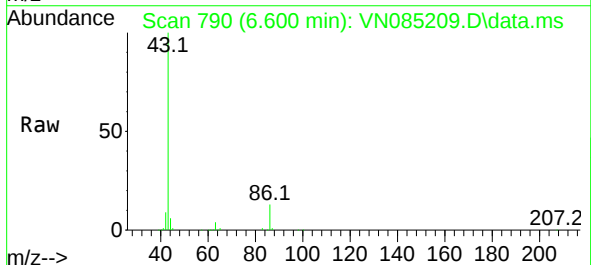
Instrument :  
MSVOA\_N  
ClientSampleId :

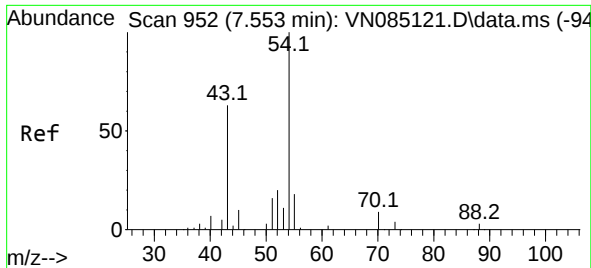
Tgt Ion: 83 Resp: 61025  
Ion Ratio Lower Upper  
83 100  
85 61.1 54.6 81.8  
127 9.0 7.0 10.6



#42  
Vinyl Acetate  
Concen: 106.188 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

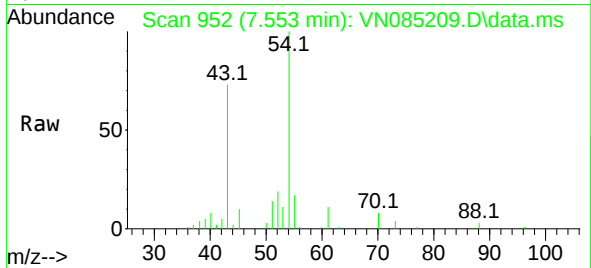
Tgt Ion: 43 Resp: 445381  
Ion Ratio Lower Upper  
43 100  
86 11.5 9.2 13.8



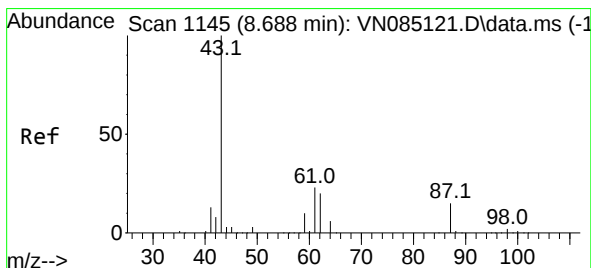
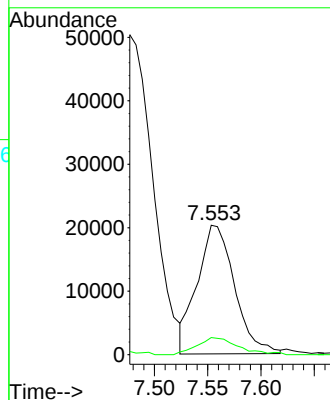
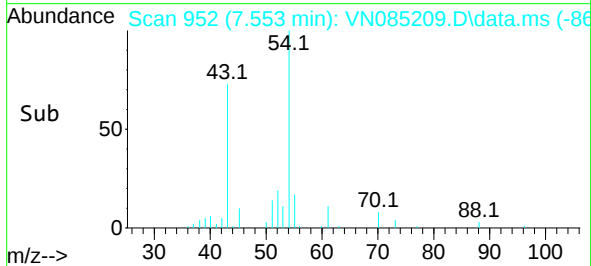


#43  
Ethyl Acetate  
Concen: 20.734 ug/l  
RT: 7.553 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Instrument :  
MSVOA\_N  
ClientSampleId :

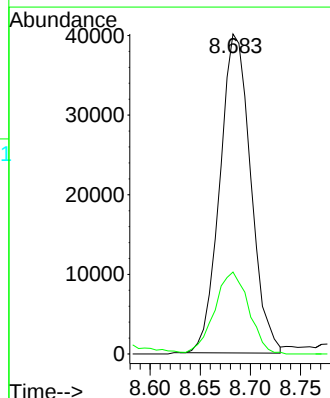
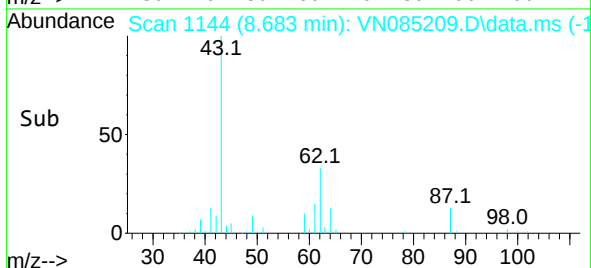
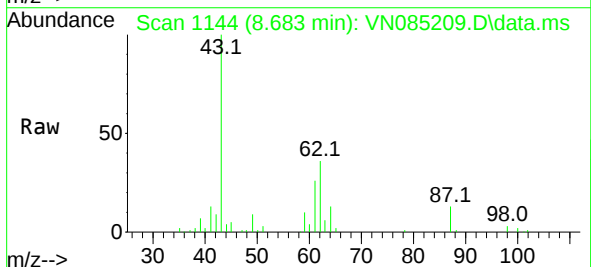


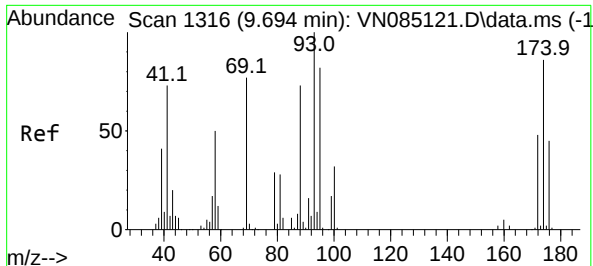
Tgt Ion: 43 Resp: 49449  
Ion Ratio Lower Upper  
43 100  
45 13.2 13.3 19.9#



#44  
Isopropyl Acetate  
Concen: 20.685 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. -0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 85730  
Ion Ratio Lower Upper  
43 100  
61 28.4 21.5 32.3





#45

1,4-Dioxane

Concen: 407.451 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

ClientSampleId :

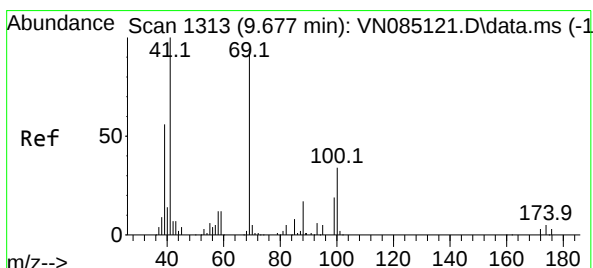
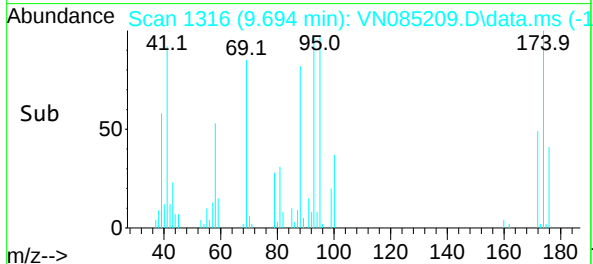
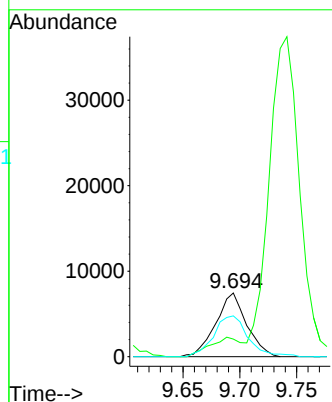
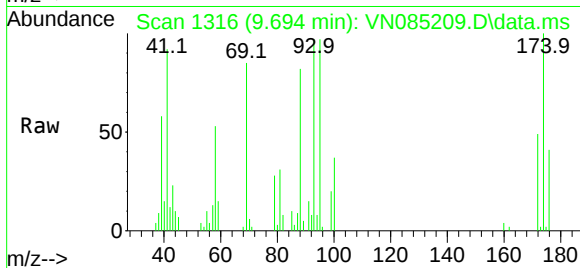
Tgt Ion: 88 Resp: 14082

Ion Ratio Lower Upper

88 100

43 32.9 21.7 32.5#

58 71.5 52.6 79.0



#46

Methyl methacrylate

Concen: 19.915 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

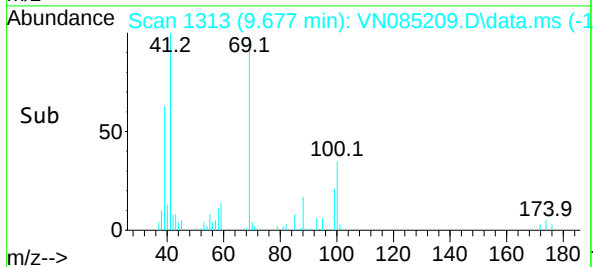
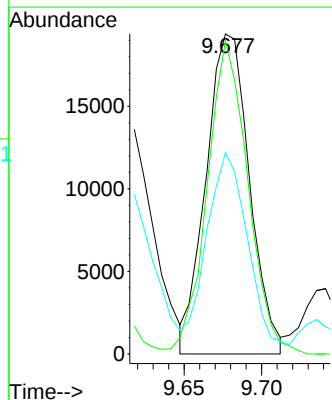
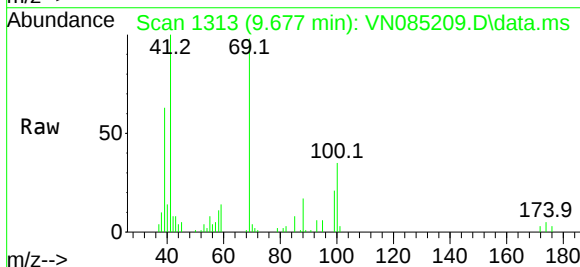
Tgt Ion: 41 Resp: 37774

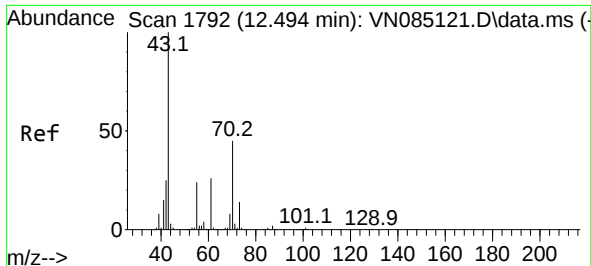
Ion Ratio Lower Upper

41 100

69 99.4 46.7 140.0

39 62.0 28.5 85.5

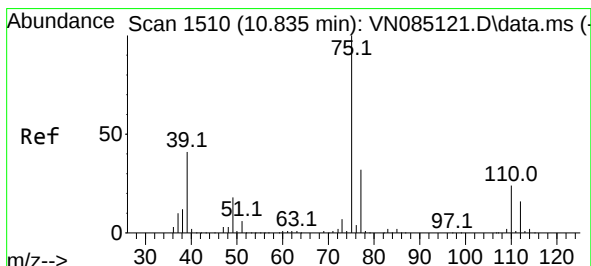
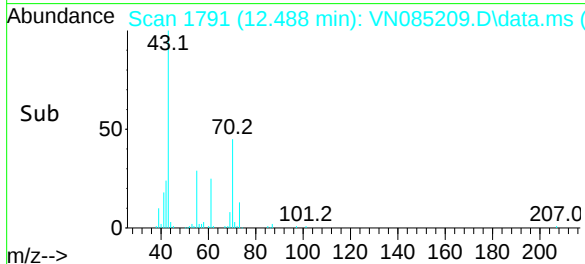
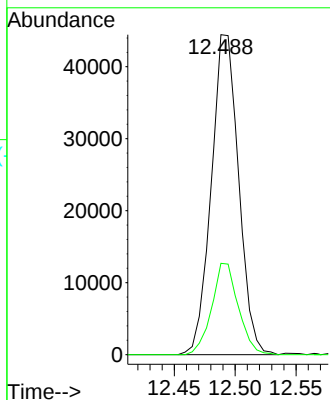
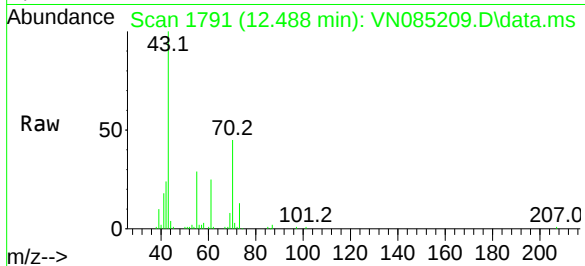




#47  
n-amy1 Acetate  
Concen: 19.945 ug/l  
RT: 12.488 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

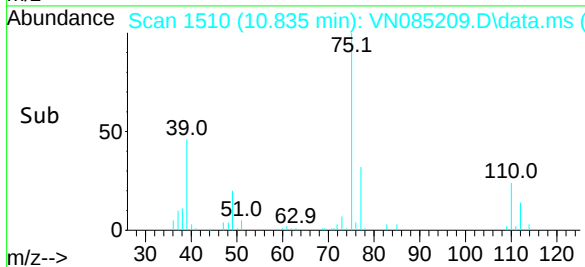
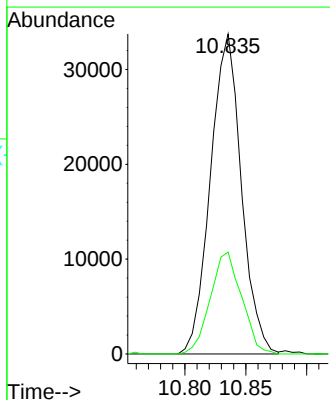
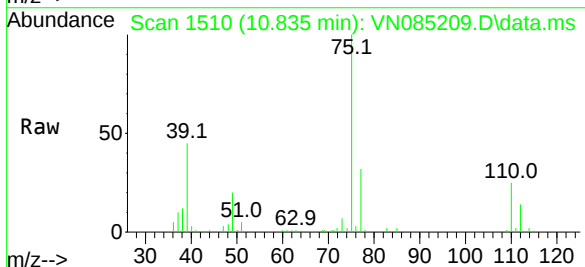
Instrument :  
MSVOA\_N  
ClientSampleId :

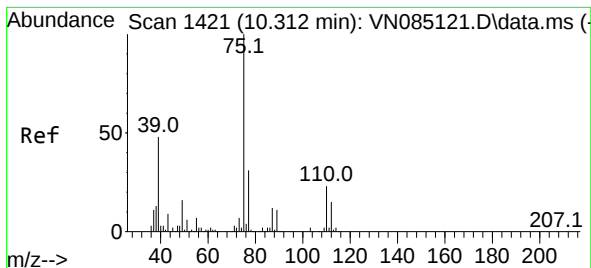
Tgt Ion: 43 Resp: 69551  
Ion Ratio Lower Upper  
43 100  
55 27.8 23.3 34.9



#48  
t-1,3-Dichloropropene  
Concen: 19.884 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 75 Resp: 59485  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.5 38.3





#49

cis-1,3-Dichloropropene

Concen: 19.833 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.006 min

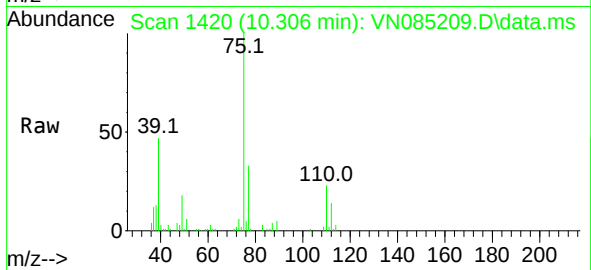
Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

ClientSampleId :



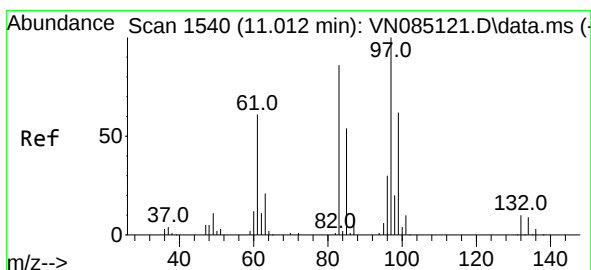
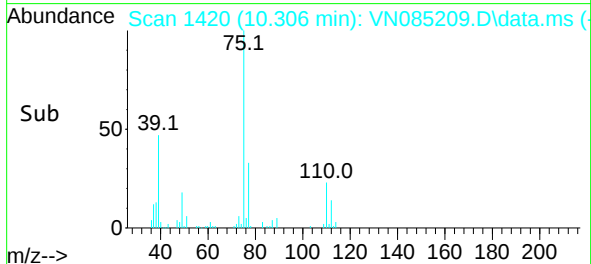
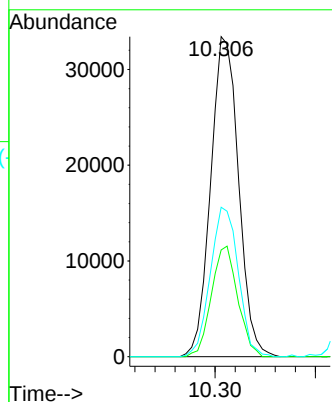
Tgt Ion: 75 Resp: 64591

Ion Ratio Lower Upper

75 100

77 33.4 23.8 35.6

39 46.7 37.3 55.9



#50

1,1,2-Trichloroethane

Concen: 19.717 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Tgt Ion: 97 Resp: 37876

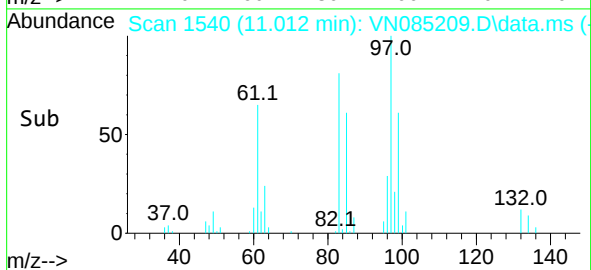
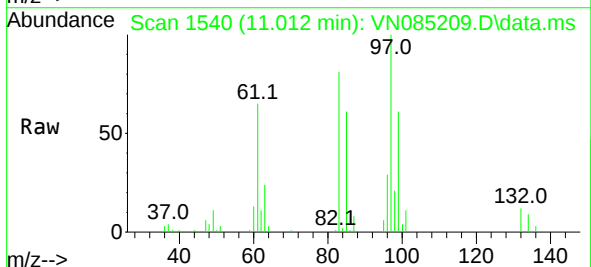
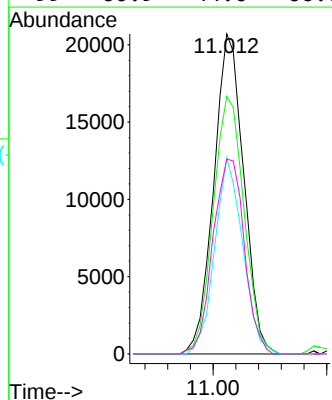
Ion Ratio Lower Upper

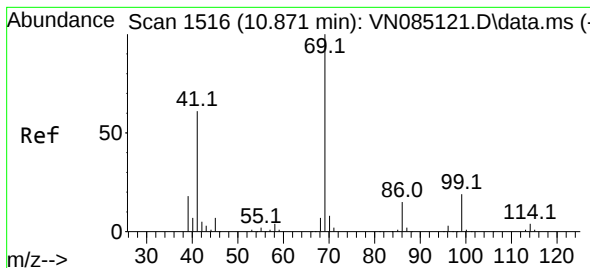
97 100

83 80.5 65.8 98.8

85 61.3 40.8 61.2#

99 60.9 44.0 66.0





#51

Ethyl methacrylate

Concen: 20.365 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

ClientSampleId :

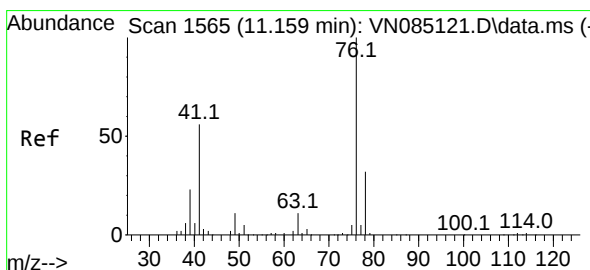
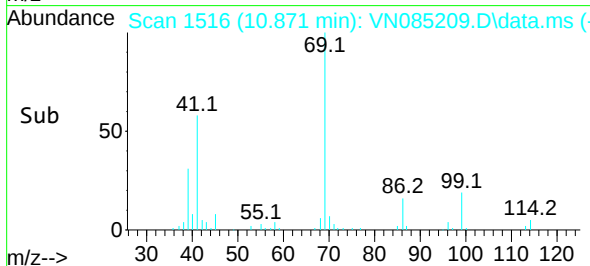
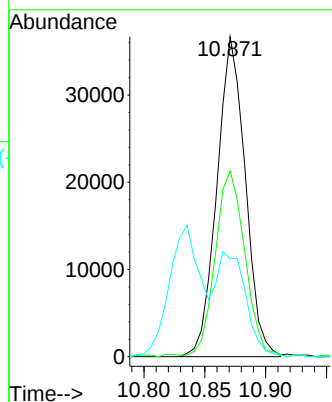
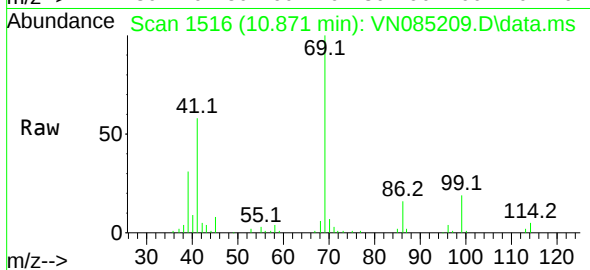
Tgt Ion: 69 Resp: 59503

Ion Ratio Lower Upper

69 100

41 57.5 32.1 96.3

39 30.2 18.8 56.4



#52

1,3-Dichloropropane

Concen: 20.232 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085209.D

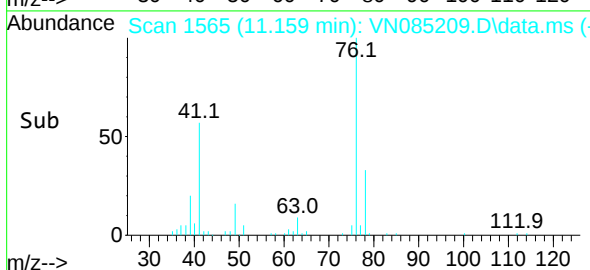
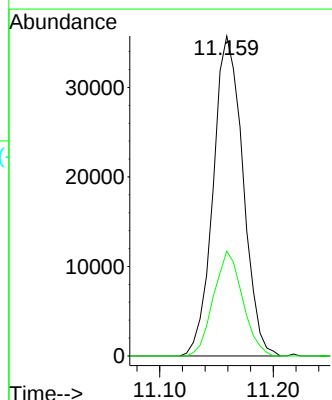
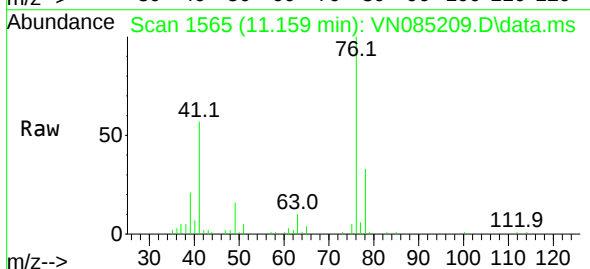
Acq: 16 Dec 2024 10:57

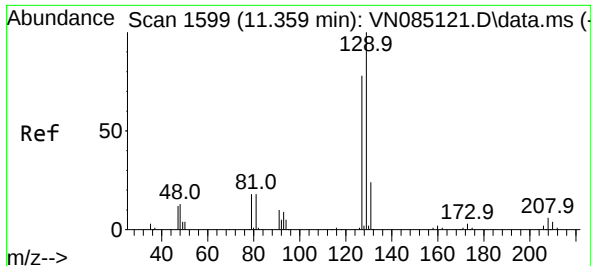
Tgt Ion: 76 Resp: 65044

Ion Ratio Lower Upper

76 100

78 31.9 0.0 65.6

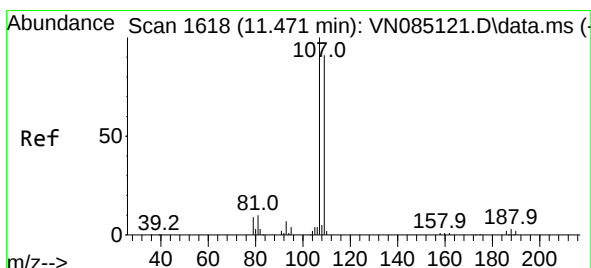
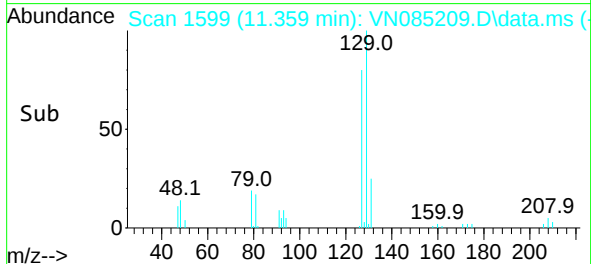
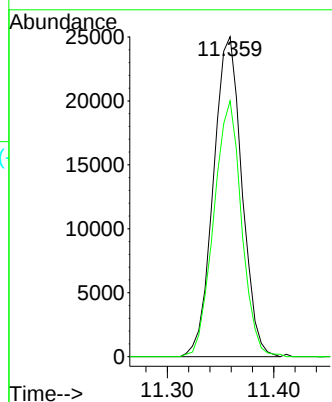
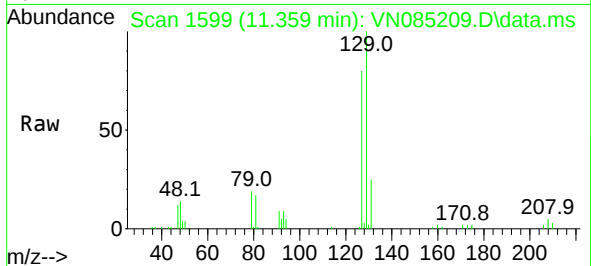




#53  
Dibromochloromethane  
Concen: 19.848 ug/l  
RT: 11.359 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

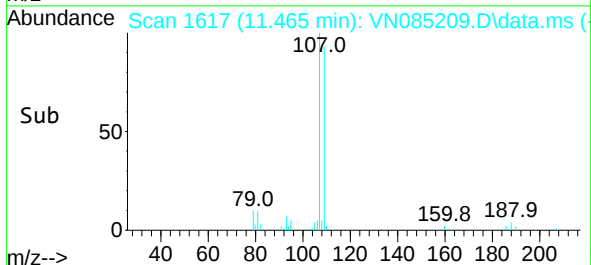
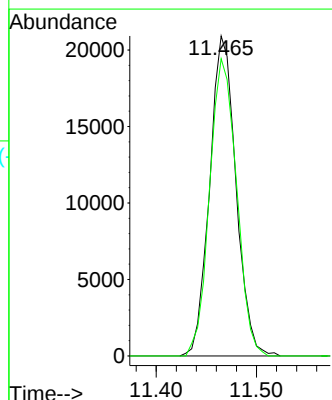
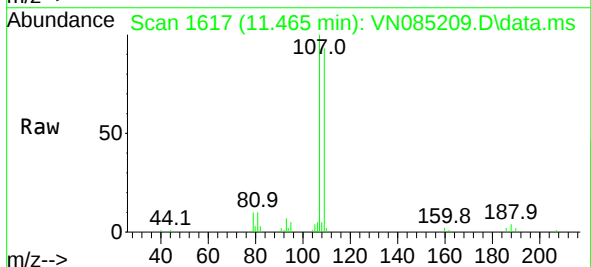
Instrument :  
MSVOA\_N  
ClientSampleId :

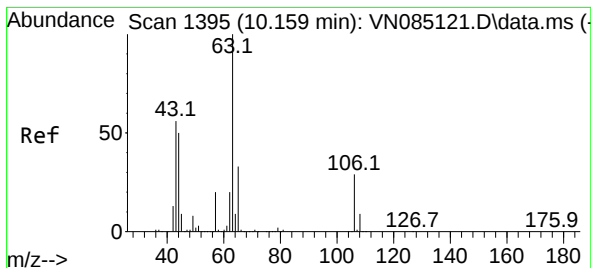
Tgt Ion:129 Resp: 46465  
Ion Ratio Lower Upper  
129 100  
127 77.8 37.3 111.9



#54  
1,2-Dibromoethane  
Concen: 19.669 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion:107 Resp: 38069  
Ion Ratio Lower Upper  
107 100  
109 95.1 75.2 112.8

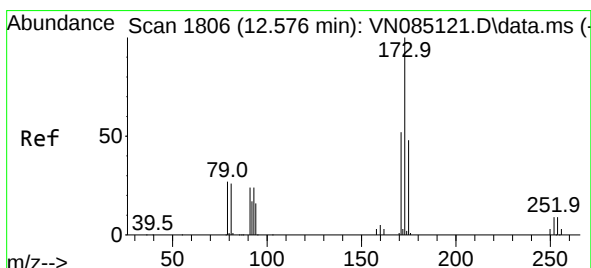
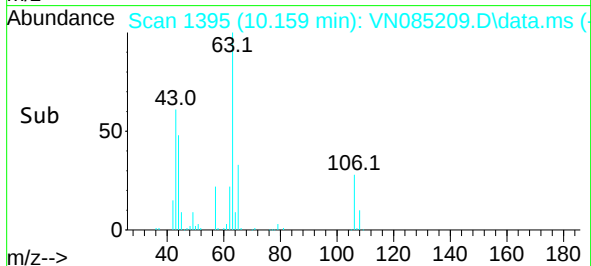
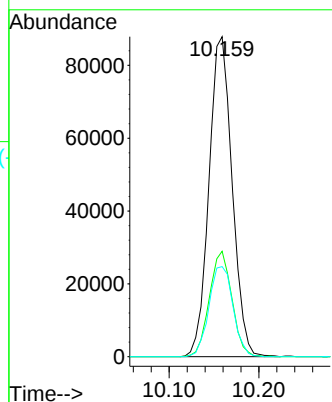
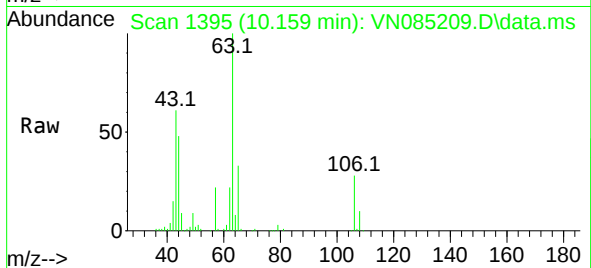




#55  
2-Chloroethyl vinyl ether  
Concen: 116.053 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

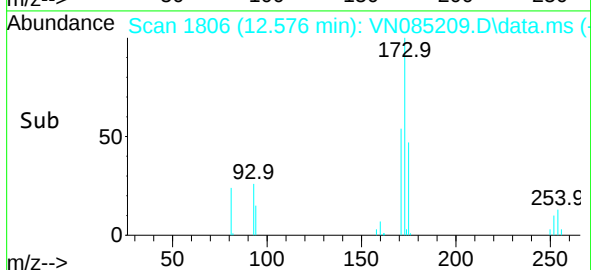
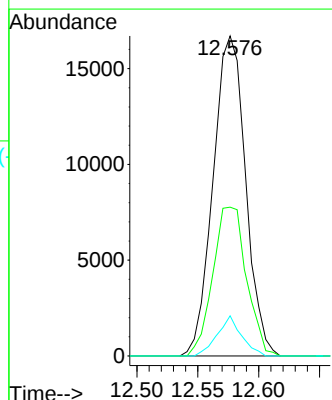
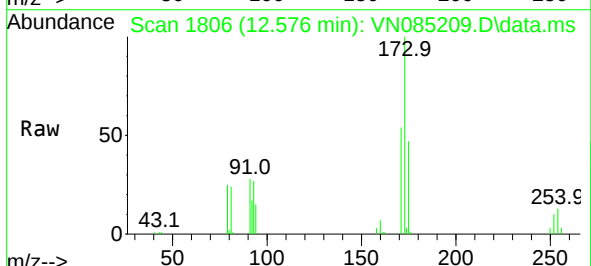
Instrument :  
MSVOA\_N  
ClientSampleId :

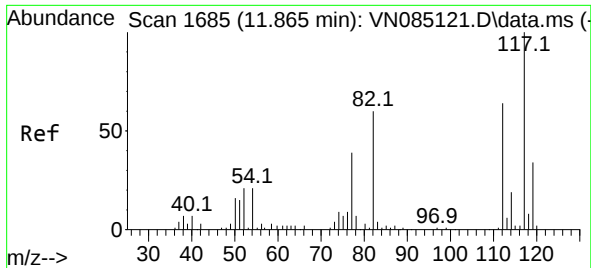
Tgt Ion: 63 Resp: 157517  
Ion Ratio Lower Upper  
63 100  
65 32.0 25.9 38.9  
106 29.3 23.5 35.3



#56  
Bromoform  
Concen: 19.753 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 173 Resp: 31005  
Ion Ratio Lower Upper  
173 100  
175 48.1 40.2 60.2  
254 9.4 6.2 9.4#

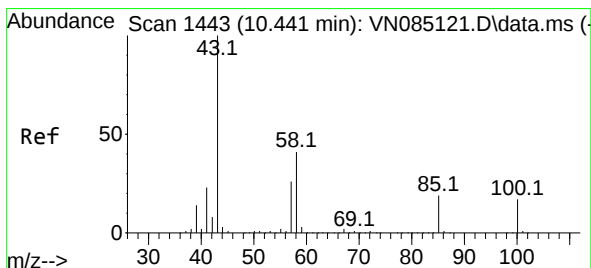
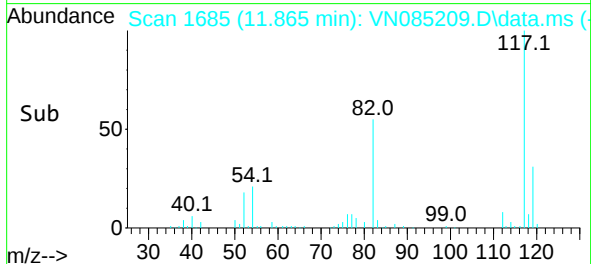
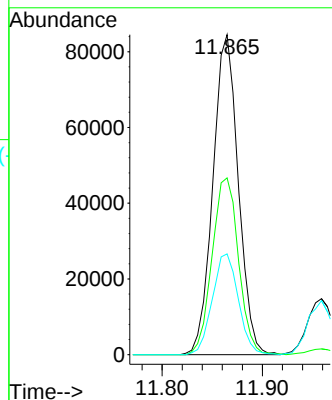
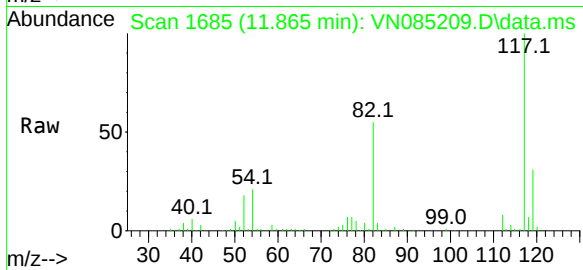




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

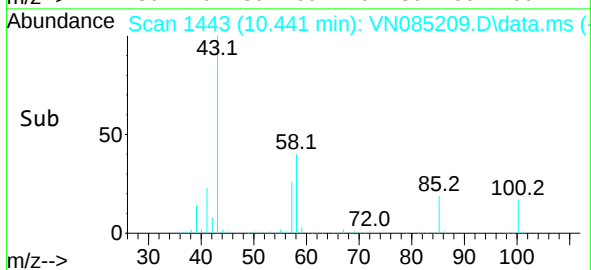
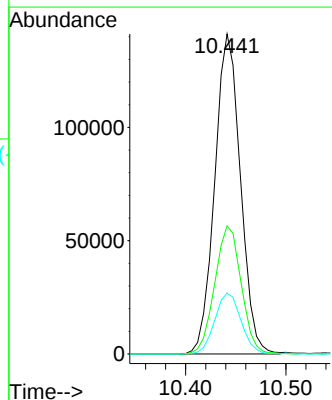
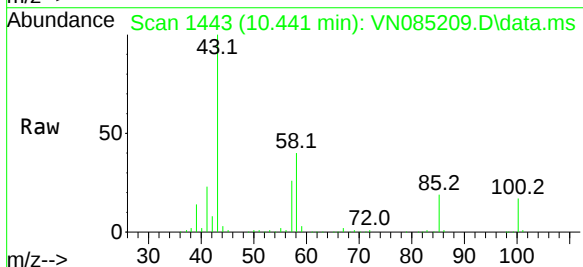
Instrument :  
MSVOA\_N  
ClientSampleId :

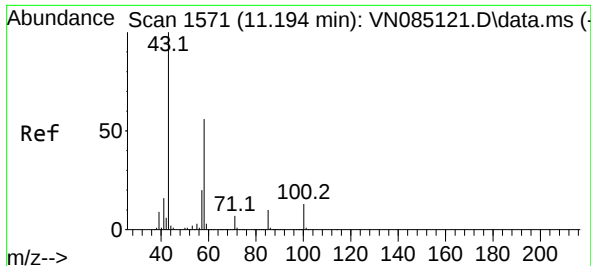
Tgt Ion:117 Resp: 148673  
Ion Ratio Lower Upper  
117 100  
82 57.5 44.2 66.4  
119 32.3 25.4 38.2



#58  
4-Methyl-2-Pentanone  
Concen: 103.526 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

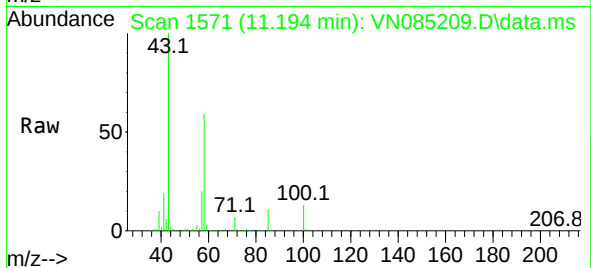
Tgt Ion: 43 Resp: 251194  
Ion Ratio Lower Upper  
43 100  
58 41.2 31.6 47.4  
85 19.4 15.0 22.6



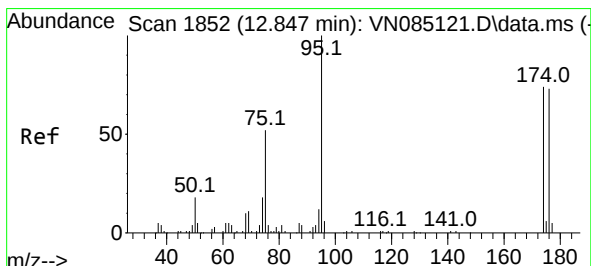
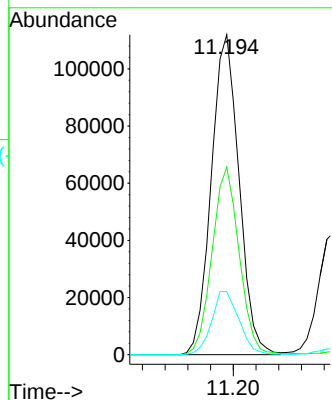
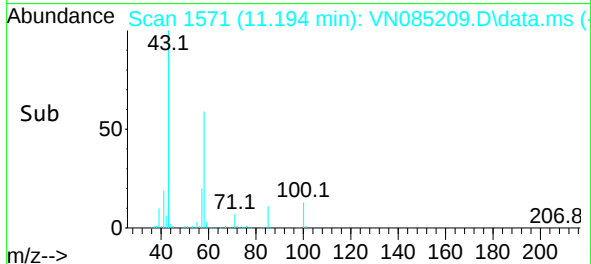


#59  
2-Hexanone  
Concen: 103.278 ug/l  
RT: 11.194 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Instrument :  
MSVOA\_N  
ClientSampleId :

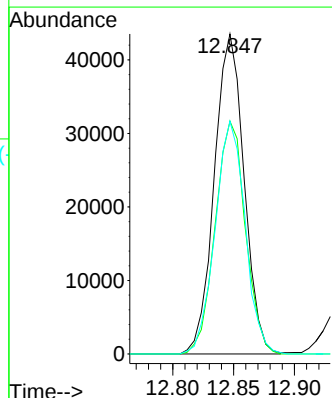
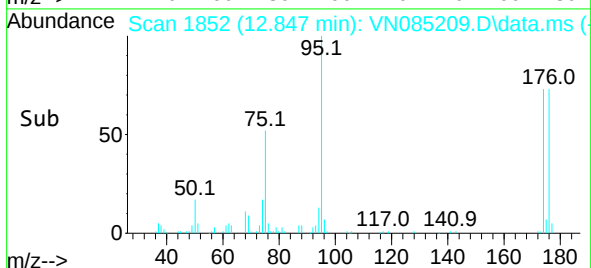
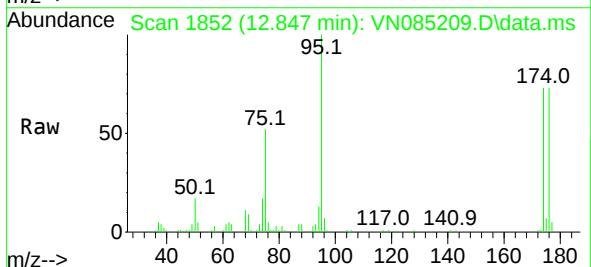


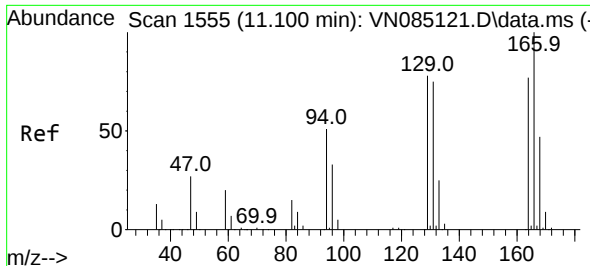
Tgt Ion: 43 Resp: 189877  
Ion Ratio Lower Upper  
43 100  
58 57.1 43.6 65.4  
57 19.6 15.4 23.0



#60  
4-Bromofluorobenzene  
Concen: 30.022 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

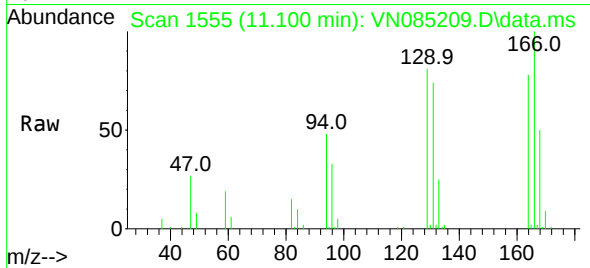
Tgt Ion: 95 Resp: 73852  
Ion Ratio Lower Upper  
95 100  
174 74.1 60.3 90.5  
176 73.5 57.4 86.0



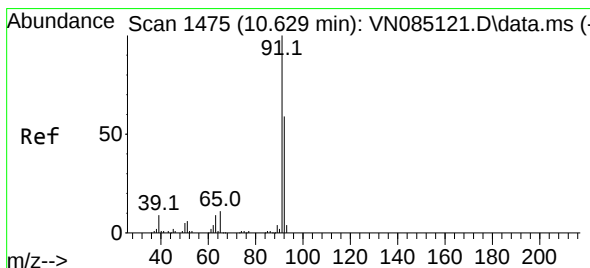
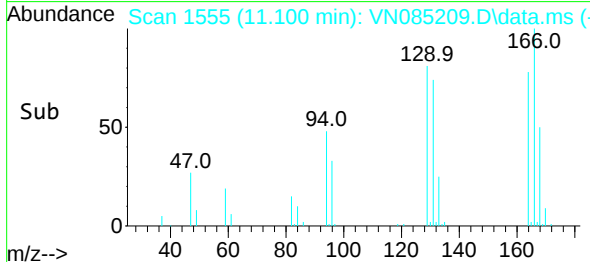
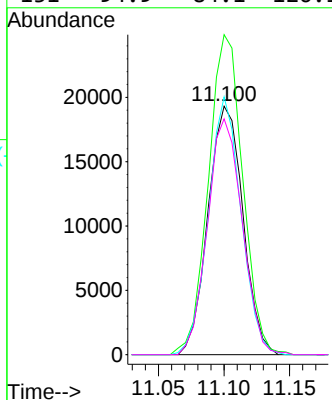


#61  
Tetrachloroethene  
Concen: 19.837 ug/l  
RT: 11.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Instrument :  
MSVOA\_N  
ClientSampleId :

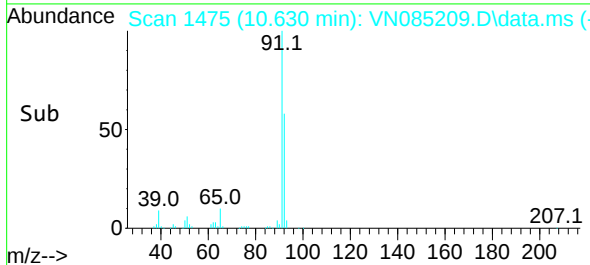
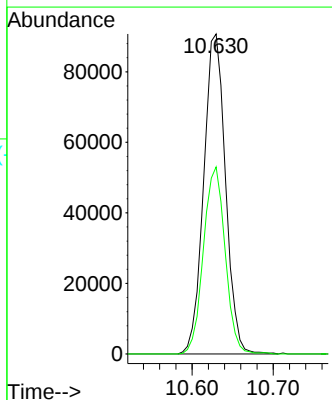
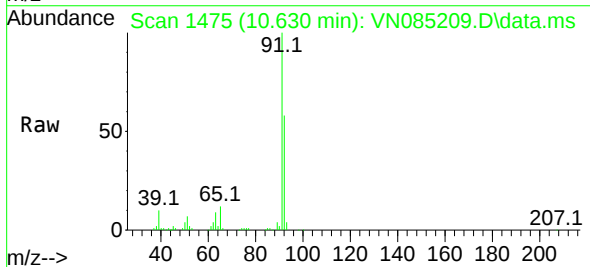


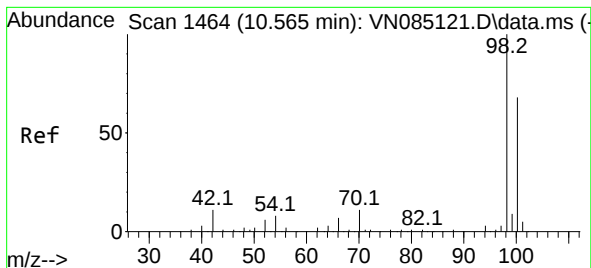
Tgt Ion:164 Resp: 35715  
Ion Ratio Lower Upper  
164 100  
166 127.5 103.8 155.8  
129 102.9 84.2 126.4  
131 94.9 84.1 126.1



#62  
Toluene  
Concen: 19.542 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 169444  
Ion Ratio Lower Upper  
91 100  
92 57.9 46.5 69.7





#63

Toluene-d8

Concen: 29.009 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

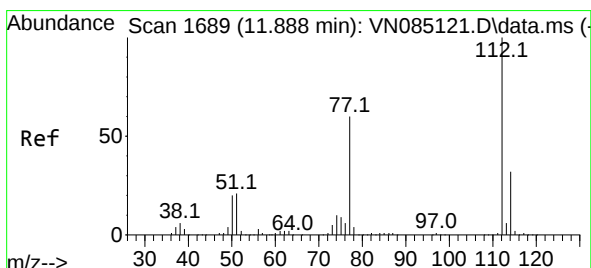
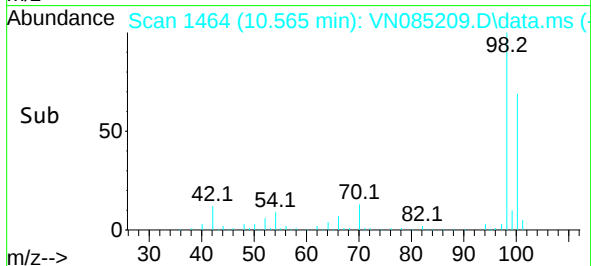
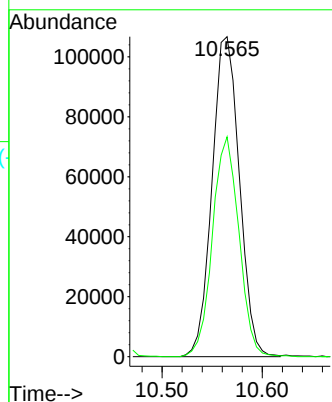
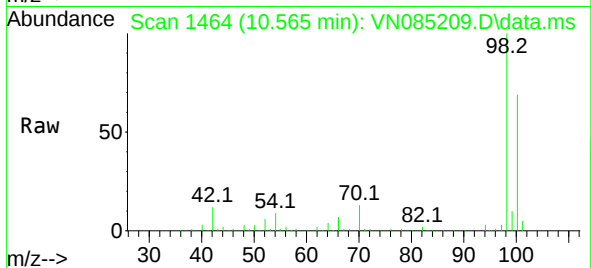
ClientSampleId :

Tgt Ion: 98 Resp: 202306

Ion Ratio Lower Upper

98 100

100 66.4 52.0 78.0



#64

Chlorobenzene

Concen: 19.669 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN085209.D

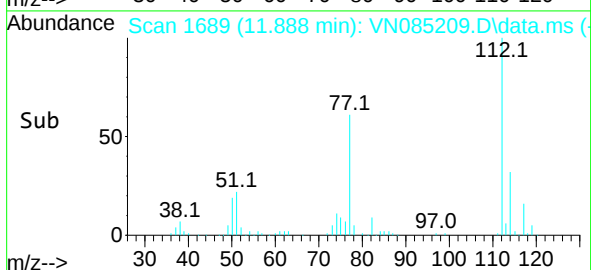
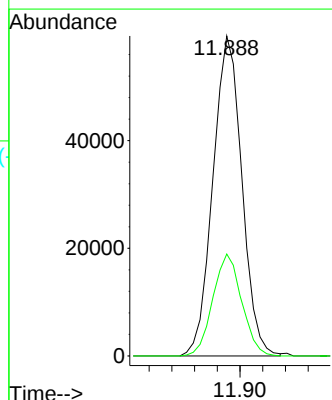
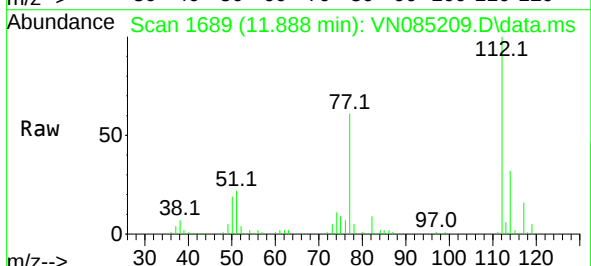
Acq: 16 Dec 2024 10:57

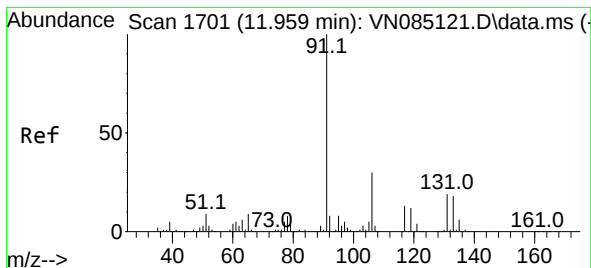
Tgt Ion: 112 Resp: 105294

Ion Ratio Lower Upper

112 100

114 31.9 26.0 39.0





#65

1,1,1,2-Tetrachloroethane

Concen: 20.641 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

ClientSampleId :

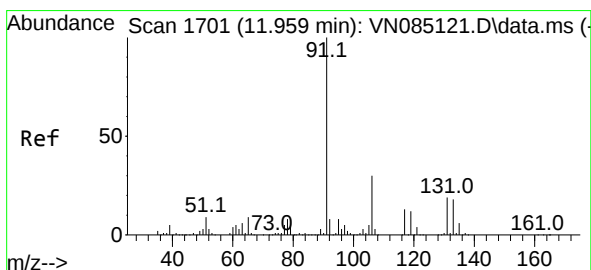
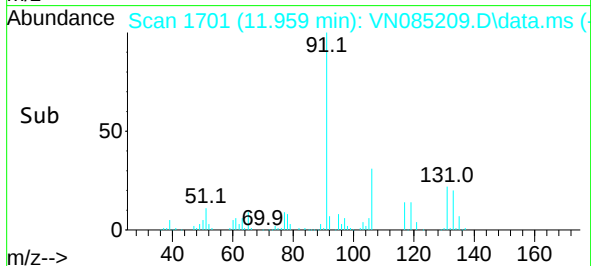
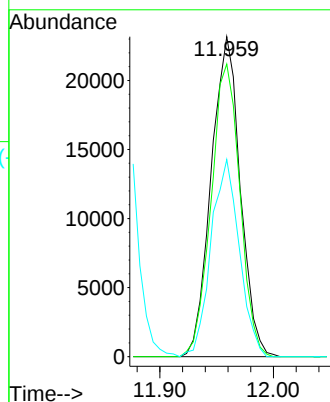
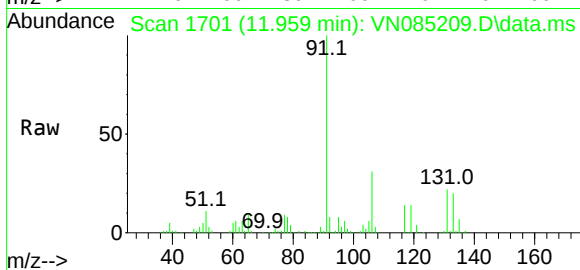
Tgt Ion:131 Resp: 41250

Ion Ratio Lower Upper

131 100

133 90.4 0.0 194.0

119 59.8 0.0 131.8



#66

Ethyl Benzene

Concen: 19.592 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VN085209.D

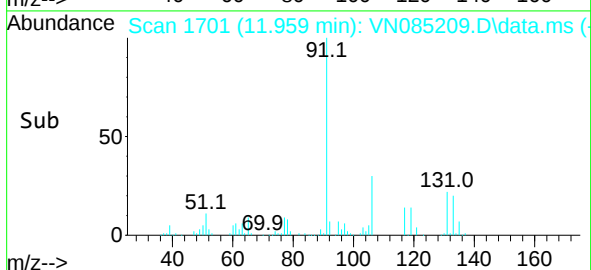
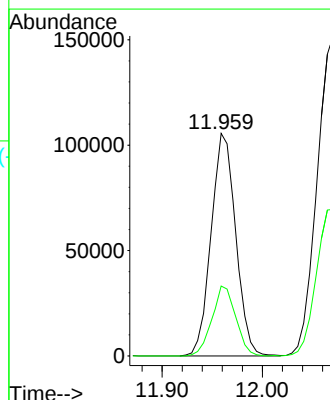
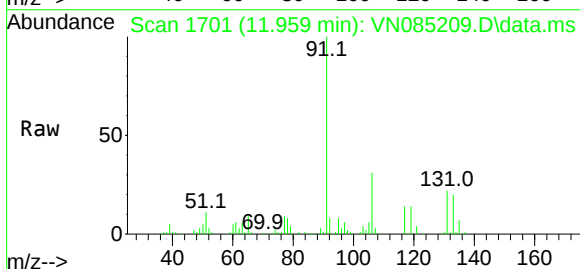
Acq: 16 Dec 2024 10:57

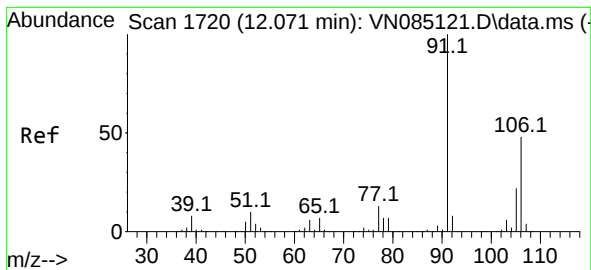
Tgt Ion: 91 Resp: 180260

Ion Ratio Lower Upper

91 100

106 31.4 23.1 34.7

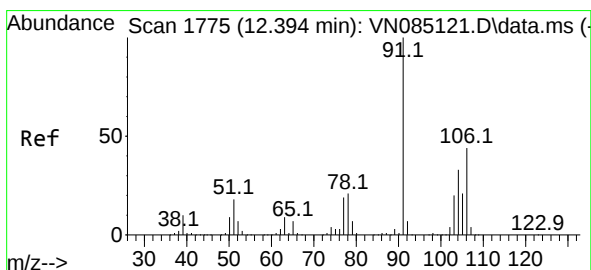
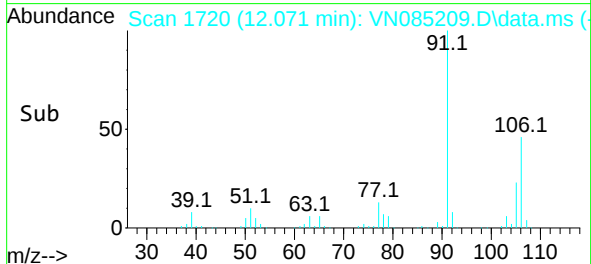
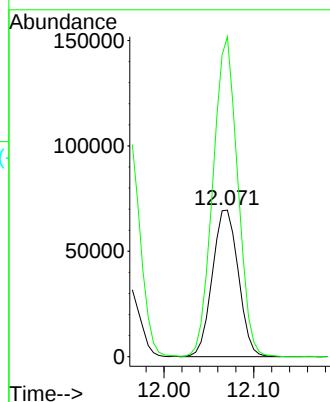
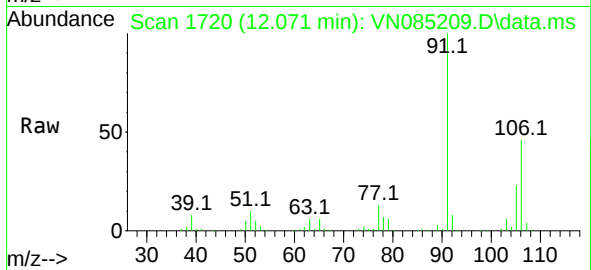




#67  
m/p-Xylenes  
Concen: 39.552 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

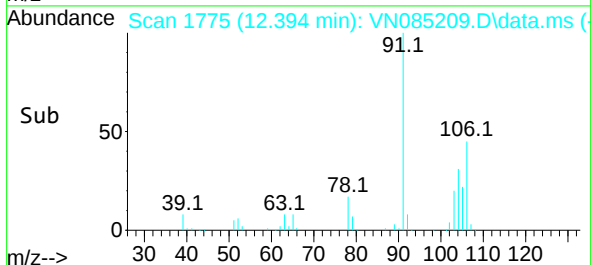
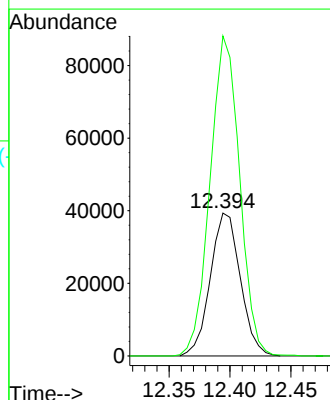
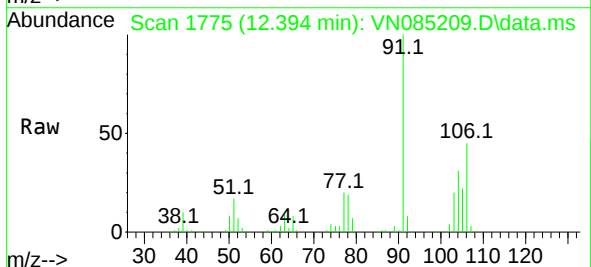
Instrument :  
MSVOA\_N  
ClientSampleId :

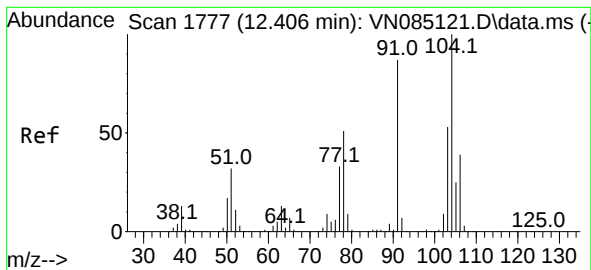
Tgt Ion:106 Resp: 139966  
Ion Ratio Lower Upper  
106 100  
91 208.0 165.0 247.4



#68  
o-Xylene  
Concen: 20.311 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion:106 Resp: 67500  
Ion Ratio Lower Upper  
106 100  
91 220.7 112.1 336.4





#69

Styrene

Concen: 20.099 ug/l

RT: 12.406 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

ClientSampleId :

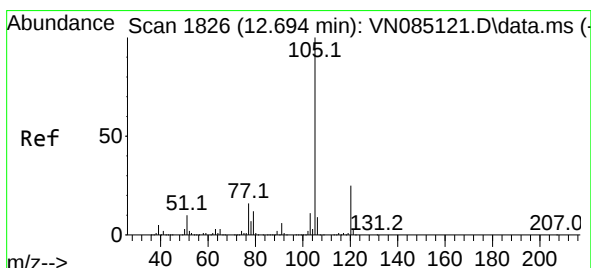
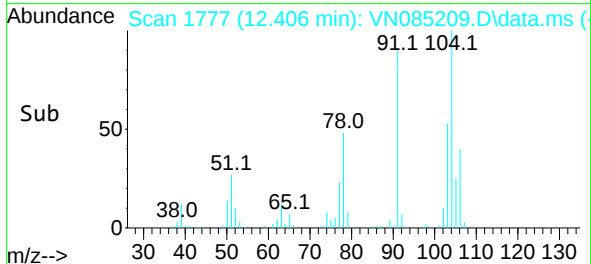
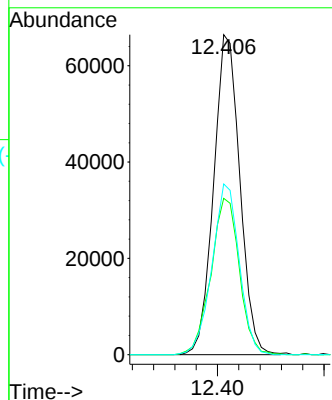
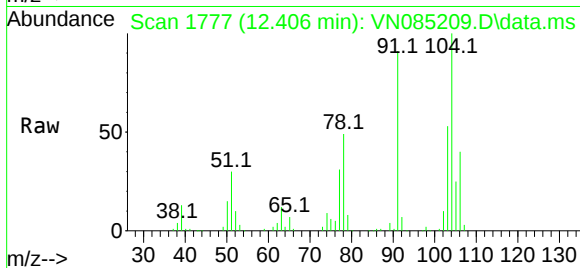
Tgt Ion:104 Resp: 113349

Ion Ratio Lower Upper

104 100

78 53.1 42.3 63.5

103 55.3 44.4 66.6



#70

Isopropylbenzene

Concen: 19.942 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN085209.D

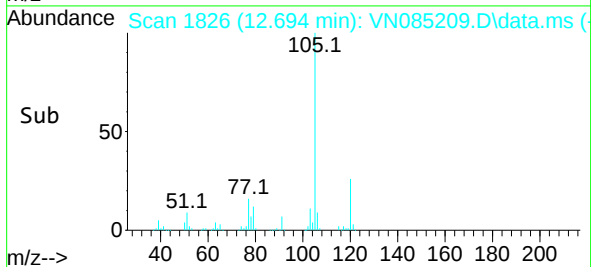
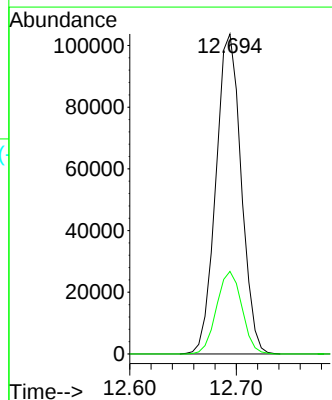
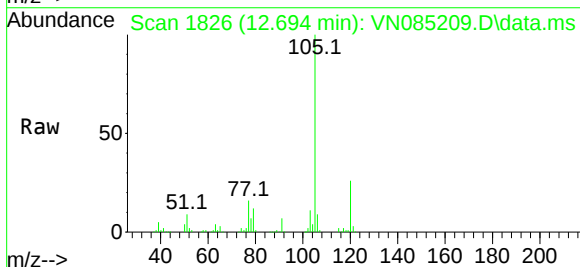
Acq: 16 Dec 2024 10:57

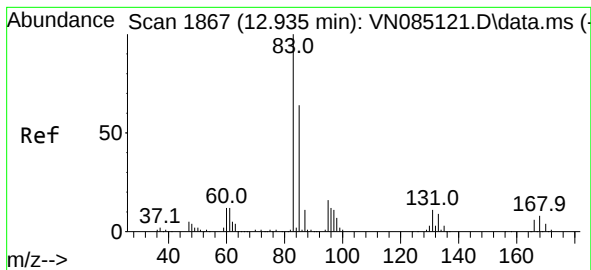
Tgt Ion:105 Resp: 170936

Ion Ratio Lower Upper

105 100

120 25.8 18.3 33.9

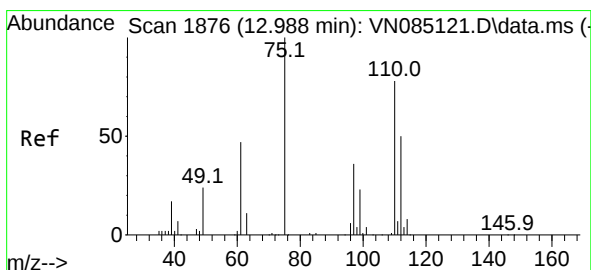
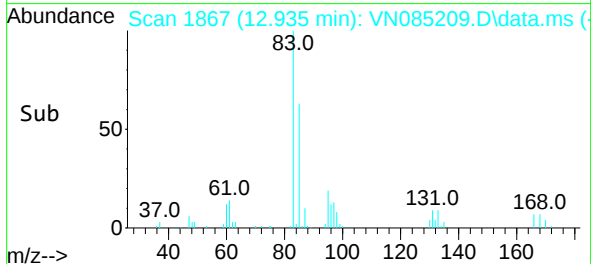
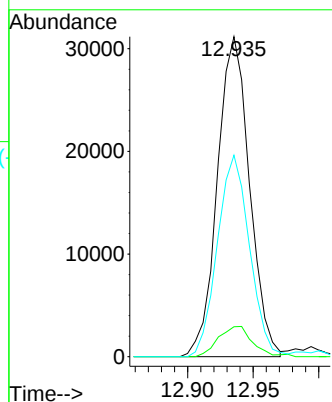
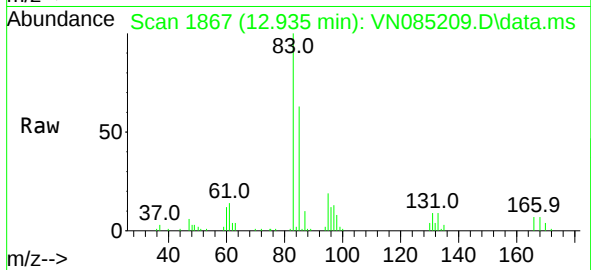




#71  
1,1,2,2-Tetrachloroethane  
Concen: 20.363 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

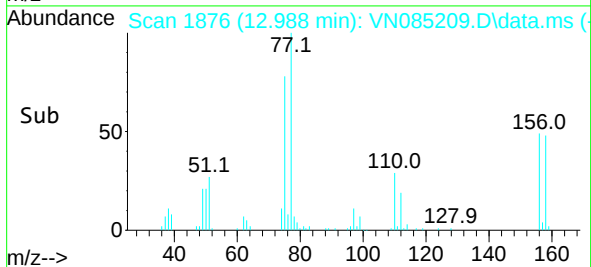
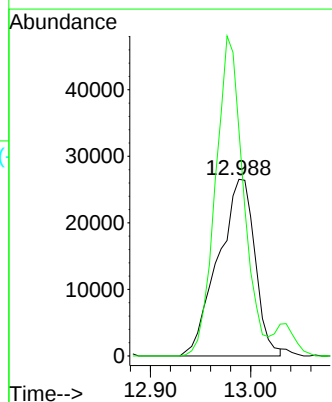
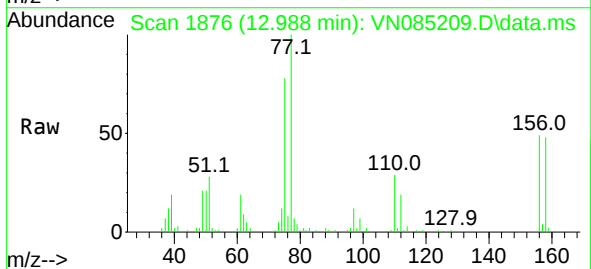
Instrument :  
MSVOA\_N  
ClientSampleId :

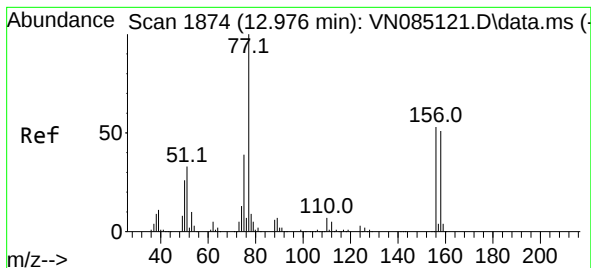
Tgt Ion: 83 Resp: 53129  
Ion Ratio Lower Upper  
83 100  
131 9.8 5.1 15.3  
85 62.9 31.1 93.5



#72  
1,2,3-Trichloropropane  
Concen: 26.326 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. -0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 75 Resp: 67849  
Ion Ratio Lower Upper  
75 100  
77 136.9 0.0 339.0





#73

Bromobenzene

Concen: 20.050 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN085209.D

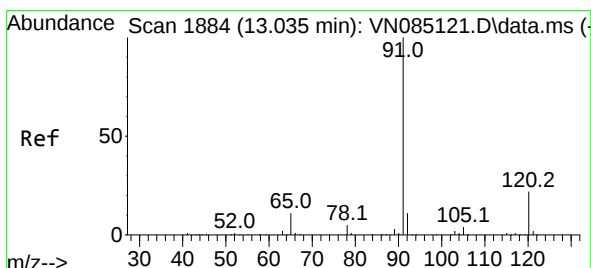
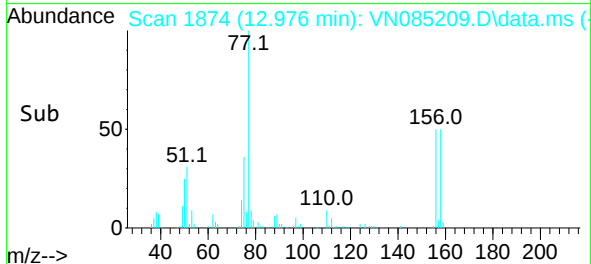
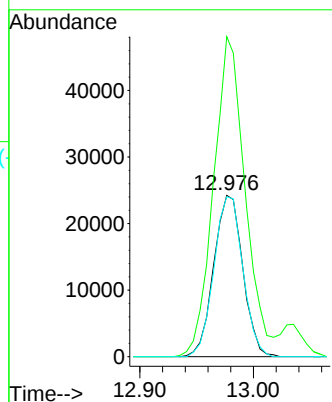
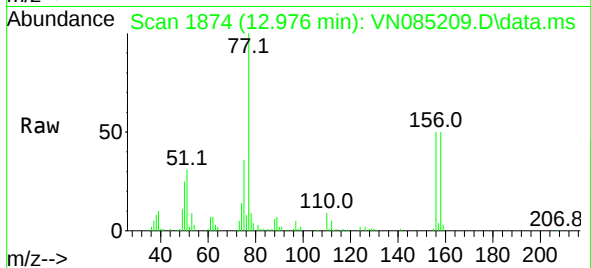
Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 43049 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 215.7 | 0.0   | 430.4 |
| 158       | 98.8  | 0.0   | 195.2 |



#74

n-propylbenzene

Concen: 19.157 ug/l

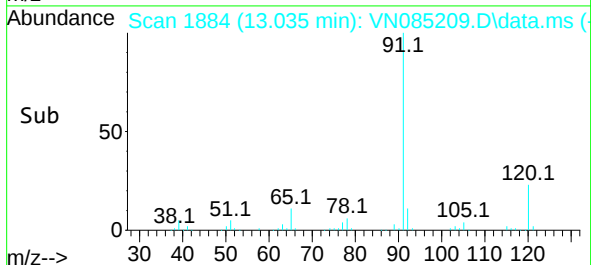
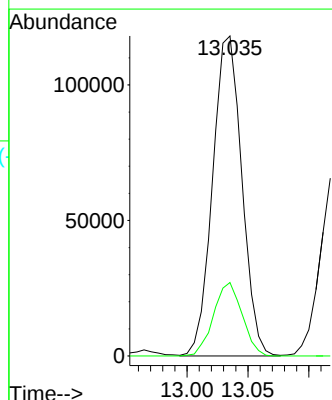
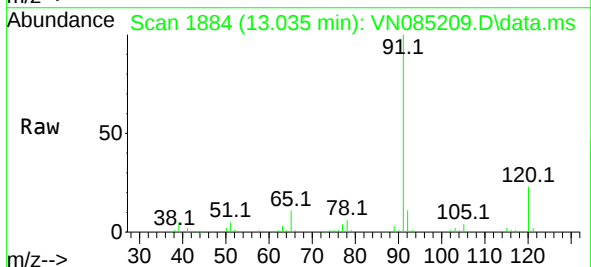
RT: 13.035 min Scan# 1884

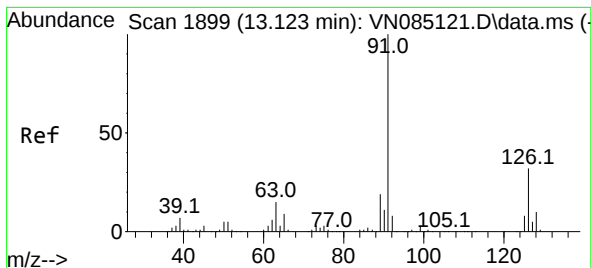
Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 197415 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.4  | 0.0   | 44.0   |

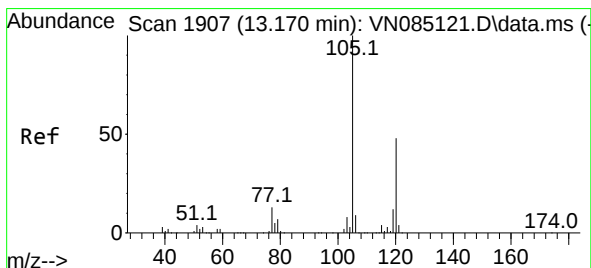
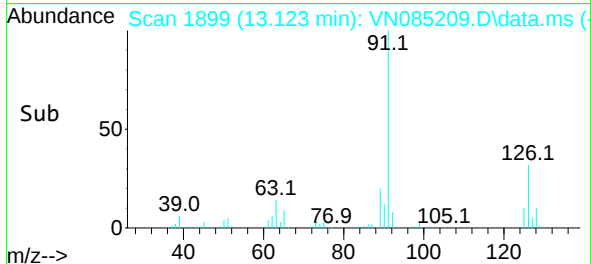
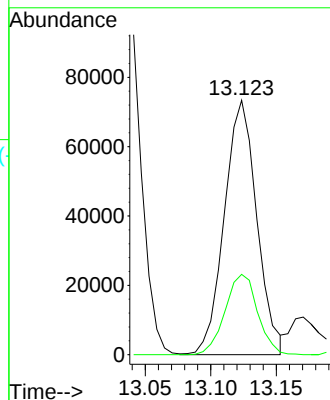
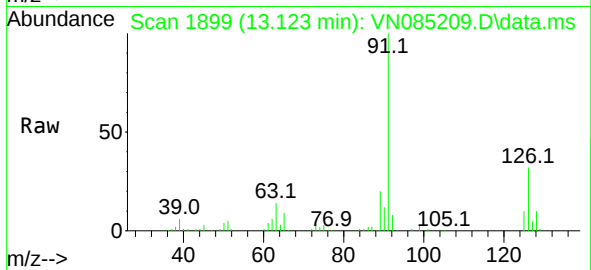




#75  
2-Chlorotoluene  
Concen: 19.864 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

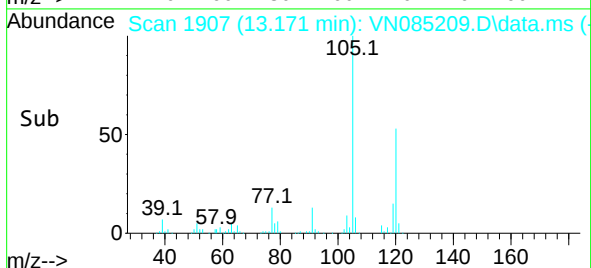
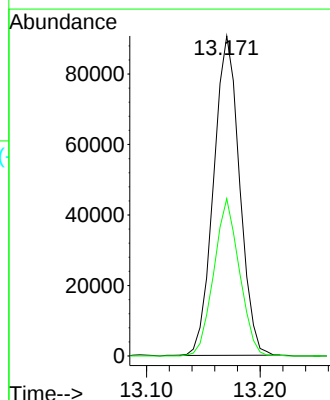
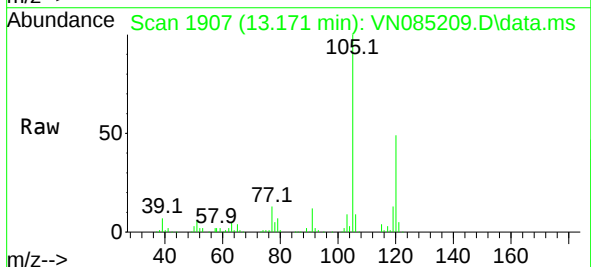
Instrument :  
MSVOA\_N  
ClientSampleId :

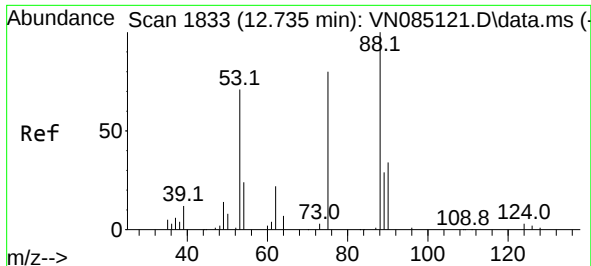
Tgt Ion: 91 Resp: 126567  
Ion Ratio Lower Upper  
91 100  
126 31.6 0.0 64.2



#76  
1,3,5-Trimethylbenzene  
Concen: 19.583 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 105 Resp: 143813  
Ion Ratio Lower Upper  
105 100  
120 48.3 0.0 94.4

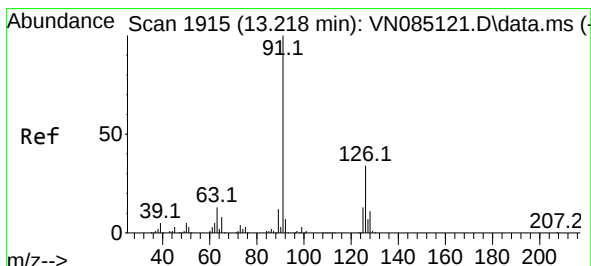
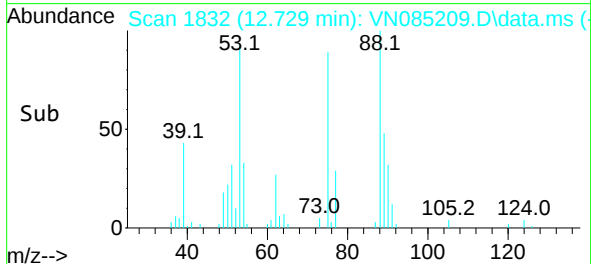
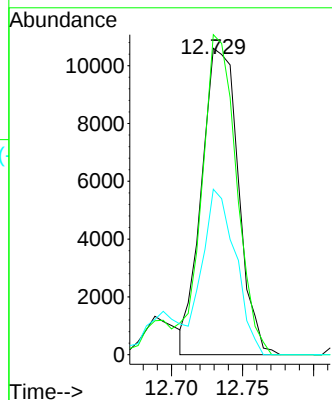
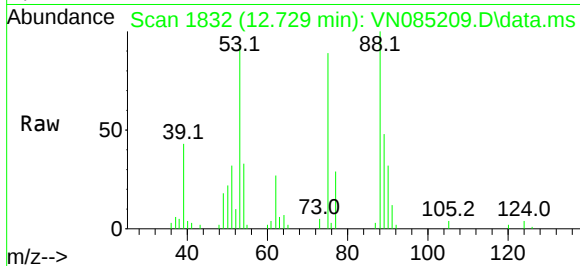




#77  
t-1,4-Dichloro-2-butene  
Concen: 20.358 ug/l  
RT: 12.729 min Scan# 1833  
Delta R.T. -0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

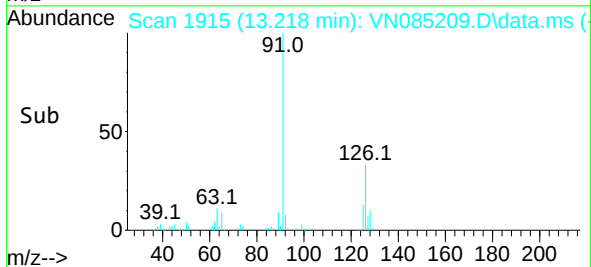
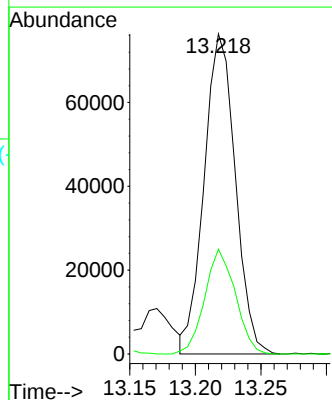
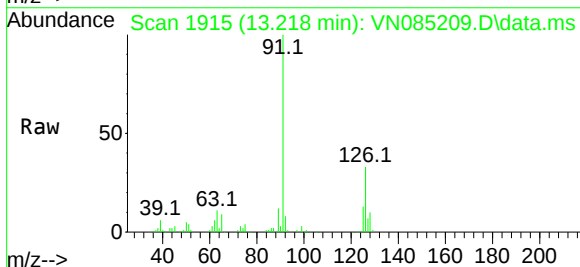
Instrument :  
MSVOA\_N  
ClientSampleId :

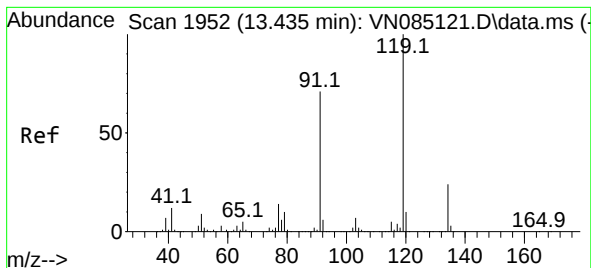
Tgt Ion: 75 Resp: 19066  
Ion Ratio Lower Upper  
75 100  
53 104.4 49.1 147.3  
89 54.0 22.9 68.5



#78  
4-Chlorotoluene  
Concen: 19.518 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 126224  
Ion Ratio Lower Upper  
91 100  
126 32.2 0.0 64.4





#79

tert-butylbenzene

Concen: 19.754 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

ClientSampleId :

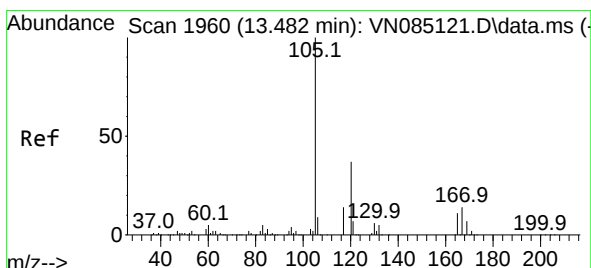
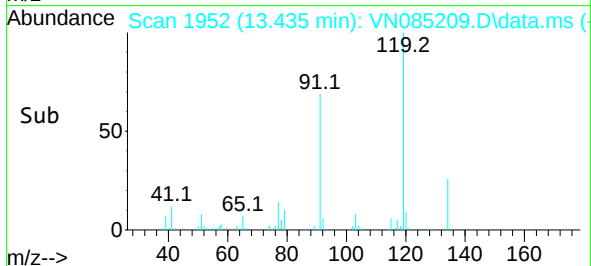
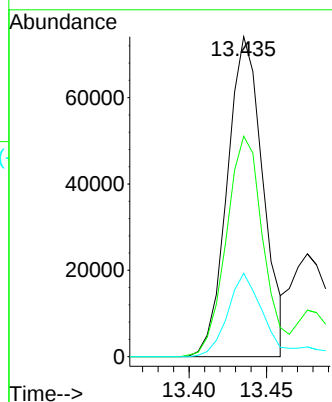
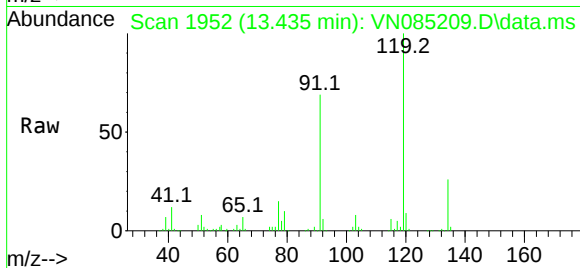
Tgt Ion:119 Resp: 119154

Ion Ratio Lower Upper

119 100

91 71.3 0.0 139.2

134 25.0 0.0 48.0



#80

1,2,4-Trimethylbenzene

Concen: 20.096 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VN085209.D

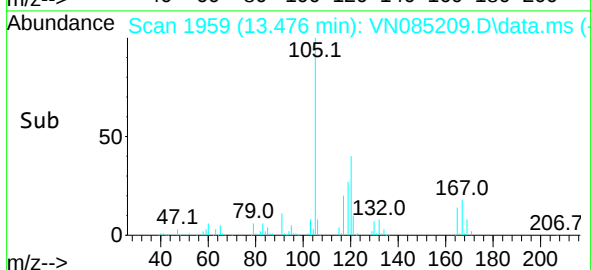
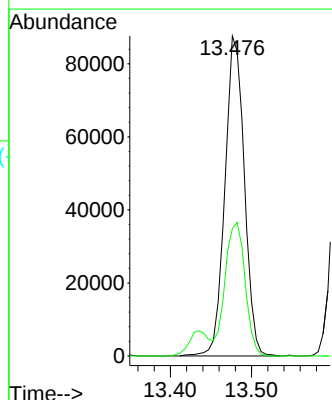
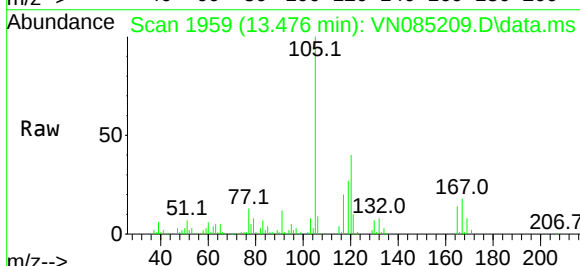
Acq: 16 Dec 2024 10:57

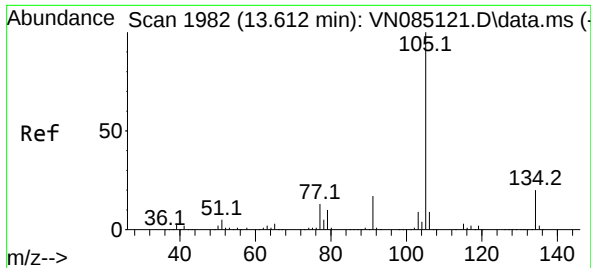
Tgt Ion:105 Resp: 145777

Ion Ratio Lower Upper

105 100

120 42.9 0.0 87.4

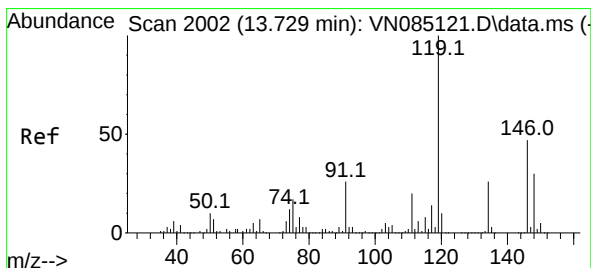
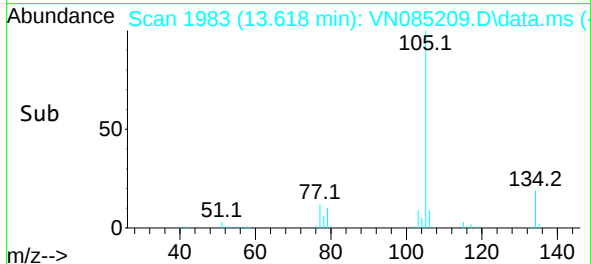
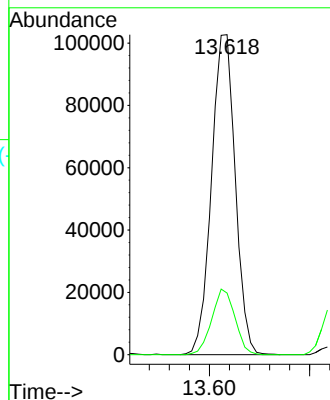
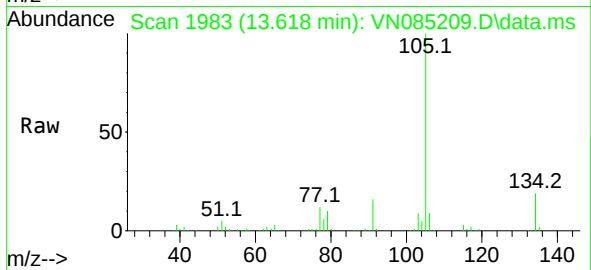




#81  
 sec-Butylbenzene  
 Concen: 19.763 ug/l  
 RT: 13.618 min Scan# 1982  
 Delta R.T. 0.006 min  
 Lab File: VN085209.D  
 Acq: 16 Dec 2024 10:57

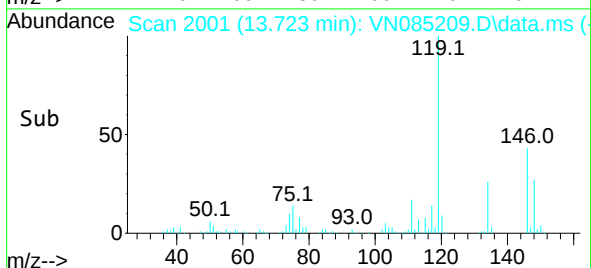
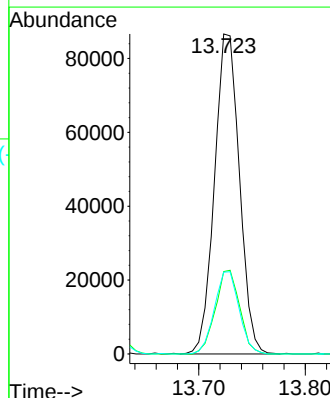
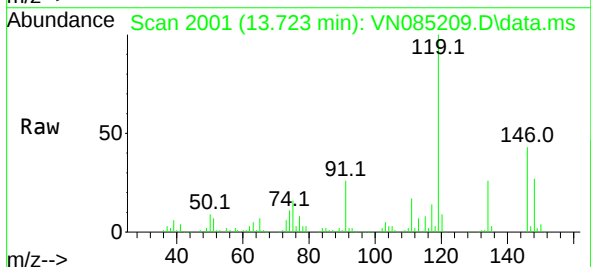
Instrument :  
 MSVOA\_N  
 ClientSampleId :

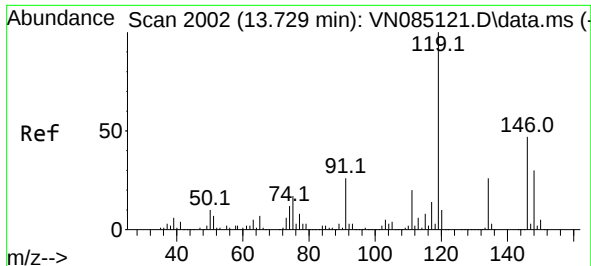
Tgt Ion:105 Resp: 169356  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 0.0 38.0



#82  
 p-Isopropyltoluene  
 Concen: 19.813 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. -0.006 min  
 Lab File: VN085209.D  
 Acq: 16 Dec 2024 10:57

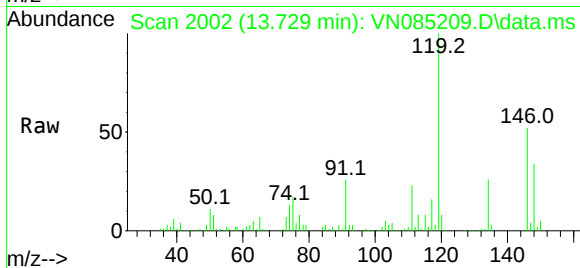
Tgt Ion:119 Resp: 140763  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 0.0 51.6  
 91 25.5 0.0 50.4



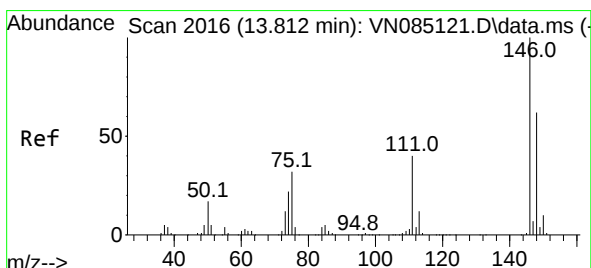
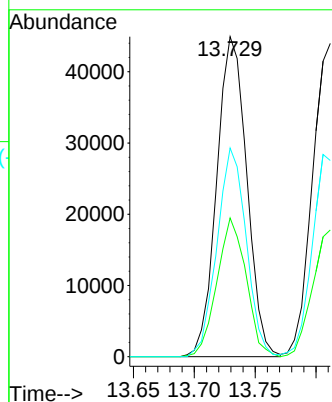
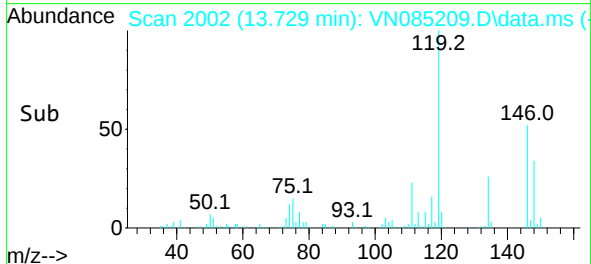


#83  
1,3-Dichlorobenzene  
Concen: 19.578 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

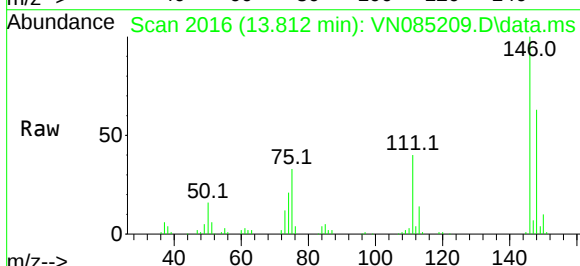
Instrument :  
MSVOA\_N  
ClientSampleId :



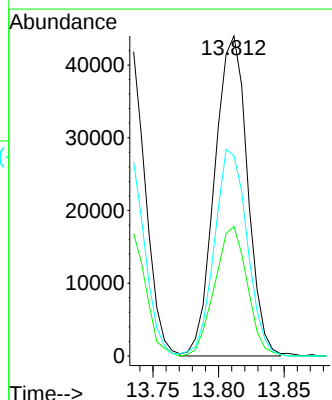
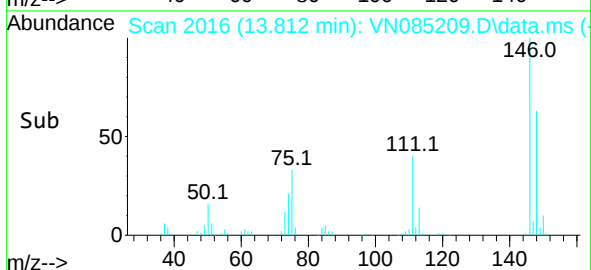
Tgt Ion:146 Resp: 77122  
Ion Ratio Lower Upper  
146 100  
111 41.9 21.1 63.3  
148 63.5 31.8 95.3

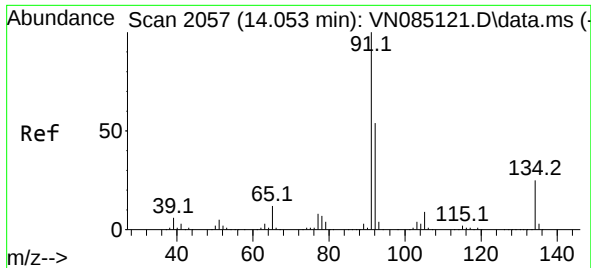


#84  
1,4-Dichlorobenzene  
Concen: 19.952 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57



Tgt Ion:146 Resp: 76595  
Ion Ratio Lower Upper  
146 100  
111 39.9 20.1 60.3  
148 64.3 31.6 94.7

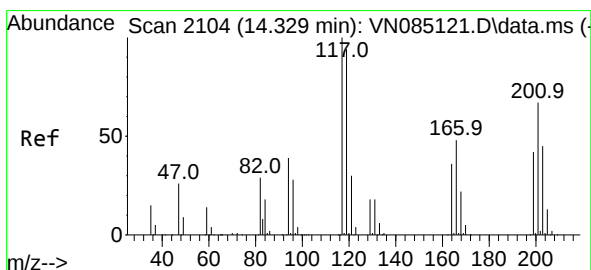
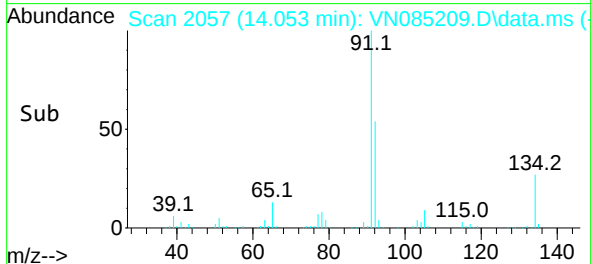
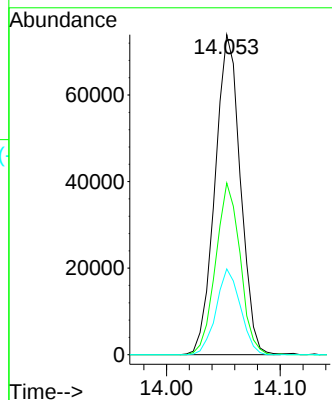
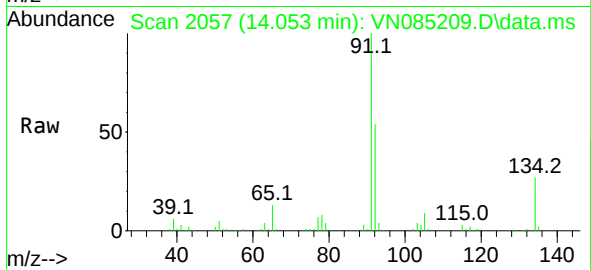




#85  
n-Butylbenzene  
Concen: 19.288 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

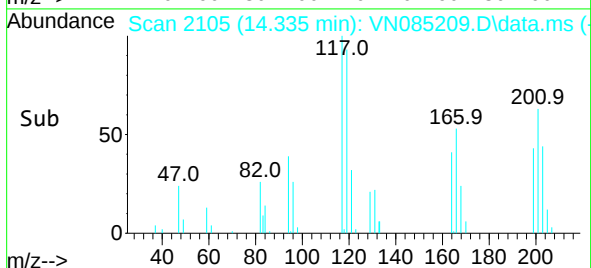
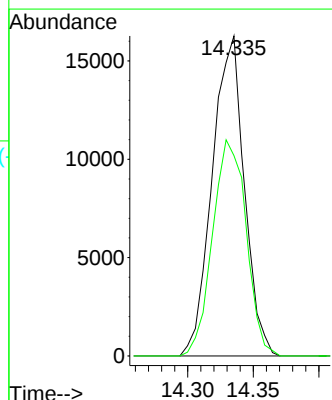
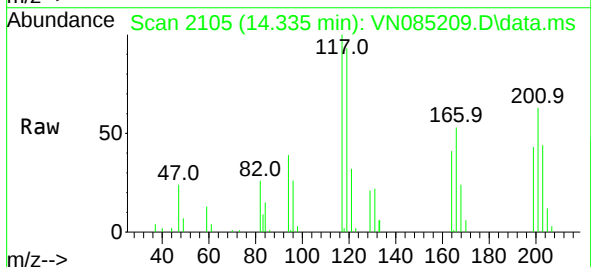
Instrument :  
MSVOA\_N  
ClientSampleId :

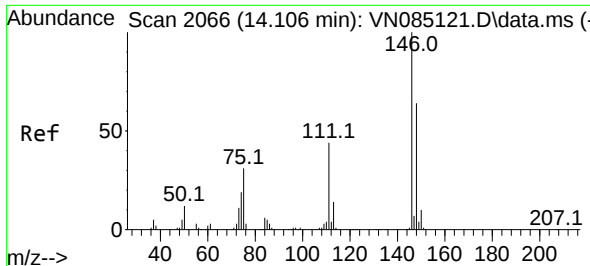
Tgt Ion: 91 Resp: 114947  
Ion Ratio Lower Upper  
91 100  
92 51.6 0.0 104.0  
134 25.6 0.0 49.2



#86  
Hexachloroethane  
Concen: 19.558 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.006 min  
Lab File: VN085209.D  
Acq: 16 Dec 2024 10:57

Tgt Ion: 117 Resp: 27662  
Ion Ratio Lower Upper  
117 100  
201 70.7 34.1 102.3





#87

1,2-Dichlorobenzene

Concen: 20.174 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VN085209.D

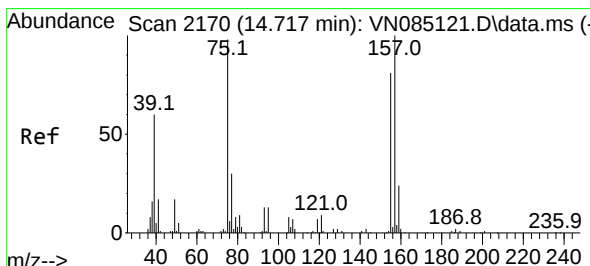
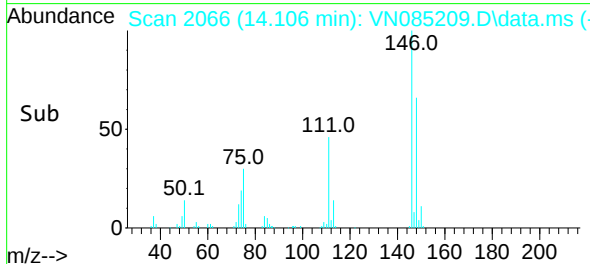
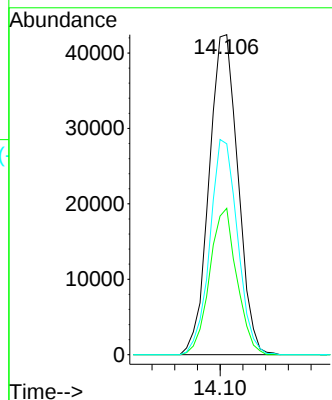
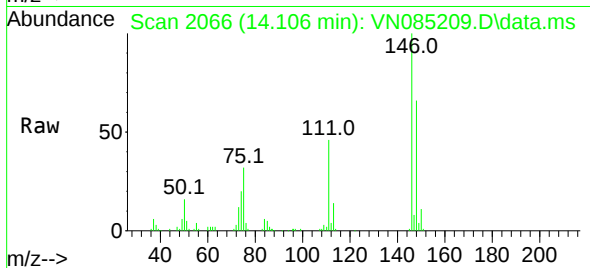
Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 75009 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 42.9  | 21.9  | 65.7  |
| 148       | 64.2  | 32.4  | 97.0  |



#88

1,2-Dibromo-3-Chloropropane

Concen: 21.598 ug/l

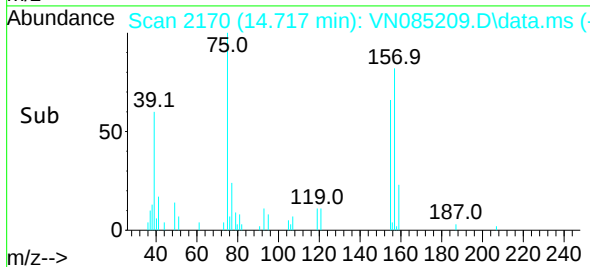
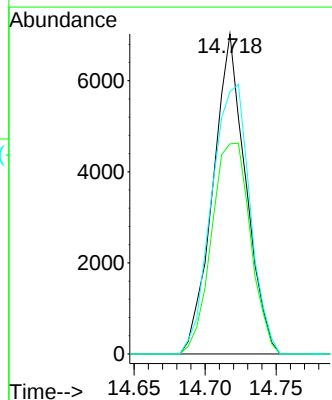
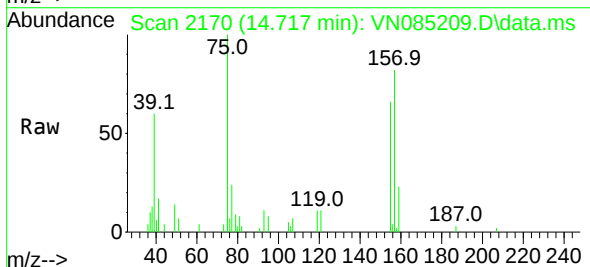
RT: 14.717 min Scan# 2170

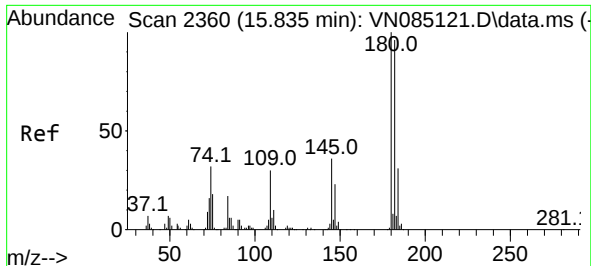
Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 11257 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 78.1  | 62.1  | 93.1  |
| 157       | 98.6  | 79.3  | 118.9 |





#89

1,2,4-Trichlorobenzene

Concen: 20.638 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

ClientSampleId :

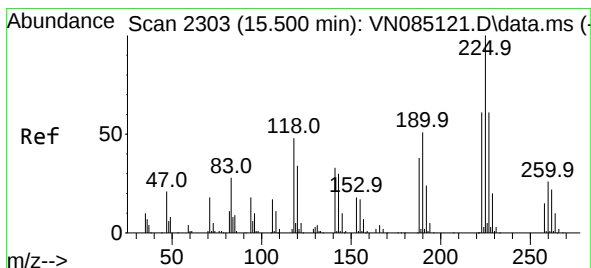
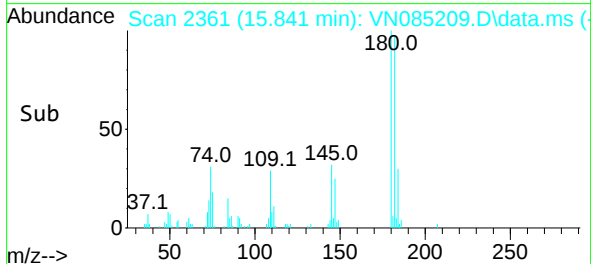
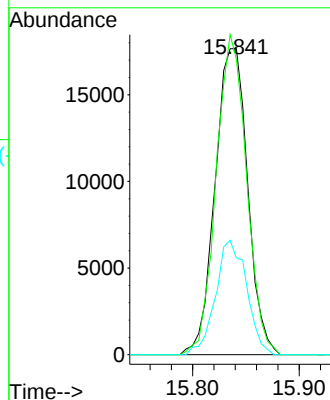
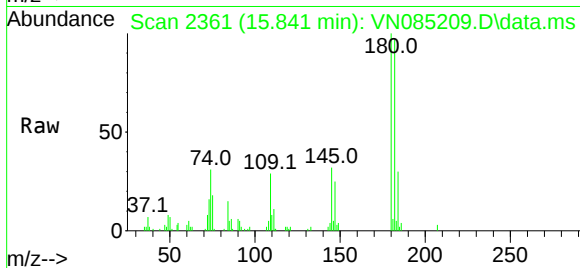
Tgt Ion:180 Resp: 37581

Ion Ratio Lower Upper

180 100

182 97.2 74.0 111.0

145 35.6 28.6 43.0



#90

Hexachlorobutadiene

Concen: 20.647 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

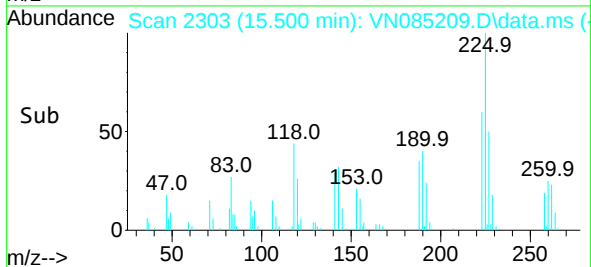
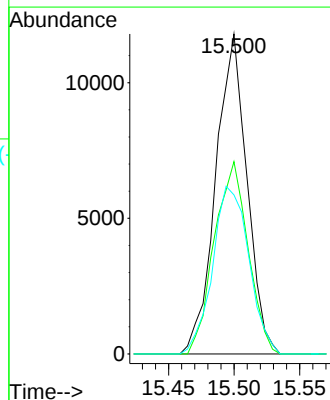
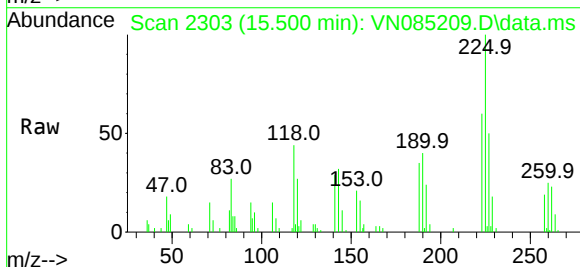
Tgt Ion:225 Resp: 19537

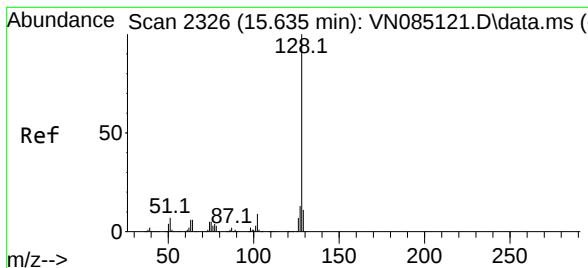
Ion Ratio Lower Upper

225 100

223 65.0 0.0 121.8

227 60.8 0.0 126.8





#91

Naphthalene

Concen: 20.616 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA\_N

ClientSampleId :

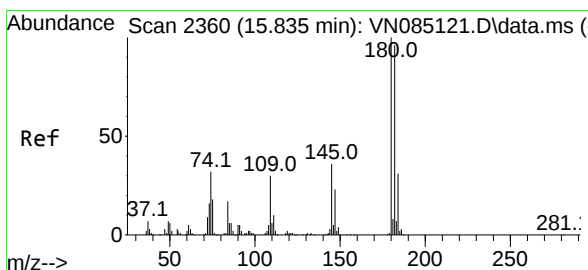
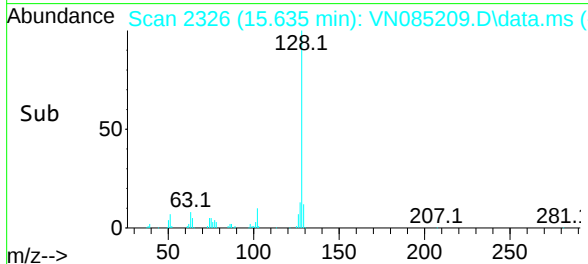
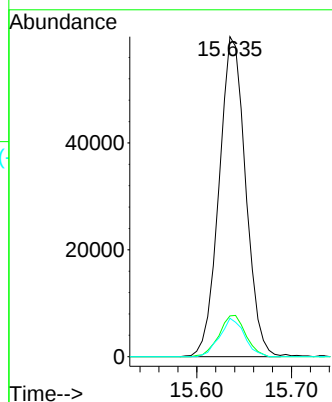
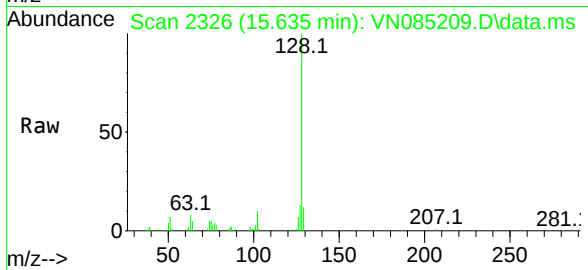
Tgt Ion:128 Resp: 116630

Ion Ratio Lower Upper

128 100

127 13.0 11.0 16.4

129 11.2 8.7 13.1



#92

1,2,3-Trichlorobenzene

Concen: 20.638 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Tgt Ion:180 Resp: 37581

Ion Ratio Lower Upper

180 100

182 97.2 0.0 185.0

145 35.6 0.0 71.6

