

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071025\  
 Data File : VN087316.D  
 Acq On : 10 Jul 2025 10:41  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jul 11 01:06:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N062525W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jun 25 10:49:56 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Bromochloromethane        | 7.824  | 128   | 41639    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.106  | 114   | 206728   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865 | 117   | 202666   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.582  | 65    | 87959    | 28.037   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =      | 93.467%  |
| 60) 4-Bromofluorobenzene     | 12.847 | 95    | 94690    | 30.278   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =      | 100.933% |
| 63) Toluene-d8               | 10.565 | 98    | 261291   | 28.714   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =      | 95.700%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.153  | 85    | 38505    | 15.362   | ug/l   | 95       |
| 3) Chloromethane             | 2.395  | 50    | 33423    | 13.055   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.553  | 62    | 39425    | 14.169   | ug/l   | 93       |
| 5) Bromomethane              | 3.000  | 94    | 37098    | 25.123   | ug/l   | 90       |
| 6) Chloroethane              | 3.153  | 64    | 33021    | 22.124   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.524  | 101   | 65506    | 19.194   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.989  | 74    | 24312    | 14.499   | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 4.389  | 101   | 18327    | 7.243    | ug/l # | 1        |
| 10) 1,1-Dichloroethene       | 4.365  | 96    | 38206    | 15.147   | ug/l   | 98       |
| 11) Methyl Iodide            | 4.612  | 142   | 42303    | 18.721   | ug/l   | 97       |
| 12) Methyl Acetate           | 5.053  | 43    | 56084    | 14.175   | ug/l   | 100      |
| 13) Acrolein                 | 4.200  | 56    | 66741    | 109.781  | ug/l   | 95       |
| 14) Acrylonitrile            | 5.730  | 53    | 129512   | 70.179   | ug/l   | 100      |
| 15) Acetone                  | 4.442  | 58    | 48976    | 90.980   | ug/l   | 90       |
| 16) Carbon Disulfide         | 4.742  | 76    | 101596   | 13.776   | ug/l   | 98       |
| 17) Allyl chloride           | 5.047  | 41    | 49623    | 11.928   | ug/l   | 91       |
| 18) Methylene Chloride       | 5.306  | 84    | 48180    | 16.488   | ug/l   | 87       |
| 19) trans-1,2-Dichloroethene | 5.806  | 96    | 43998    | 15.951   | ug/l   | 86       |
| 20) Diisopropyl ether        | 6.683  | 45    | 116442   | 13.192   | ug/l   | 93       |
| 21) 1,1-Dichloroethane       | 6.588  | 63    | 78738    | 14.926   | ug/l   | 96       |
| 22) cis-1,2-Dichloroethene   | 7.500  | 96    | 53553    | 16.681   | ug/l   | 89       |
| 23) tert-Butyl Alcohol       | 5.536  | 59    | 50438    | 72.674   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.812  | 73    | 142236   | 16.078   | ug/l   | 99       |
| 25) Chloroform               | 7.977  | 83    | 91456    | 18.096   | ug/l   | 99       |
| 26) Cyclohexane              | 8.265  | 56    | 55255    | 12.601   | ug/l # | 84       |
| 29) 1,1-Dichloropropene      | 8.382  | 75    | 55970    | 17.371   | ug/l   | 98       |
| 30) 2-Butanone               | 7.488  | 43    | 176767   | 81.328   | ug/l   | 93       |
| 31) 2,2-Dichloropropane      | 7.494  | 77    | 77233    | 19.857   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.177  | 97    | 77788    | 20.665   | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 8.371  | 117   | 67452    | 21.293   | ug/l   | 96       |
| 34) Benzene                  | 8.612  | 78    | 178133   | 17.451   | ug/l   | 98       |
| 35) Methacrylonitrile        | 7.788  | 41    | 34427    | 15.717   | ug/l   | 85       |
| 36) 1,2-Dichloroethane       | 8.677  | 62    | 65356    | 19.816   | ug/l   | 99       |
| 37) Trichloroethene          | 9.353  | 130   | 45403    | 19.283   | ug/l   | 92       |
| 38) Methylcyclohexane        | 9.600  | 83    | 57702    | 15.608   | ug/l   | 94       |
| 39) 1,2-Dichloropropane      | 9.624  | 63    | 43354    | 16.921   | ug/l   | 97       |
| 40) Dibromomethane           | 9.712  | 93    | 37213    | 21.360   | ug/l   | 98       |
| 41) Bromodichloromethane     | 9.894  | 83    | 72887    | 20.727   | ug/l   | 96       |
| 42) Vinyl Acetate            | 6.618  | 43    | 533888   | 75.521   | ug/l # | 94       |

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 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

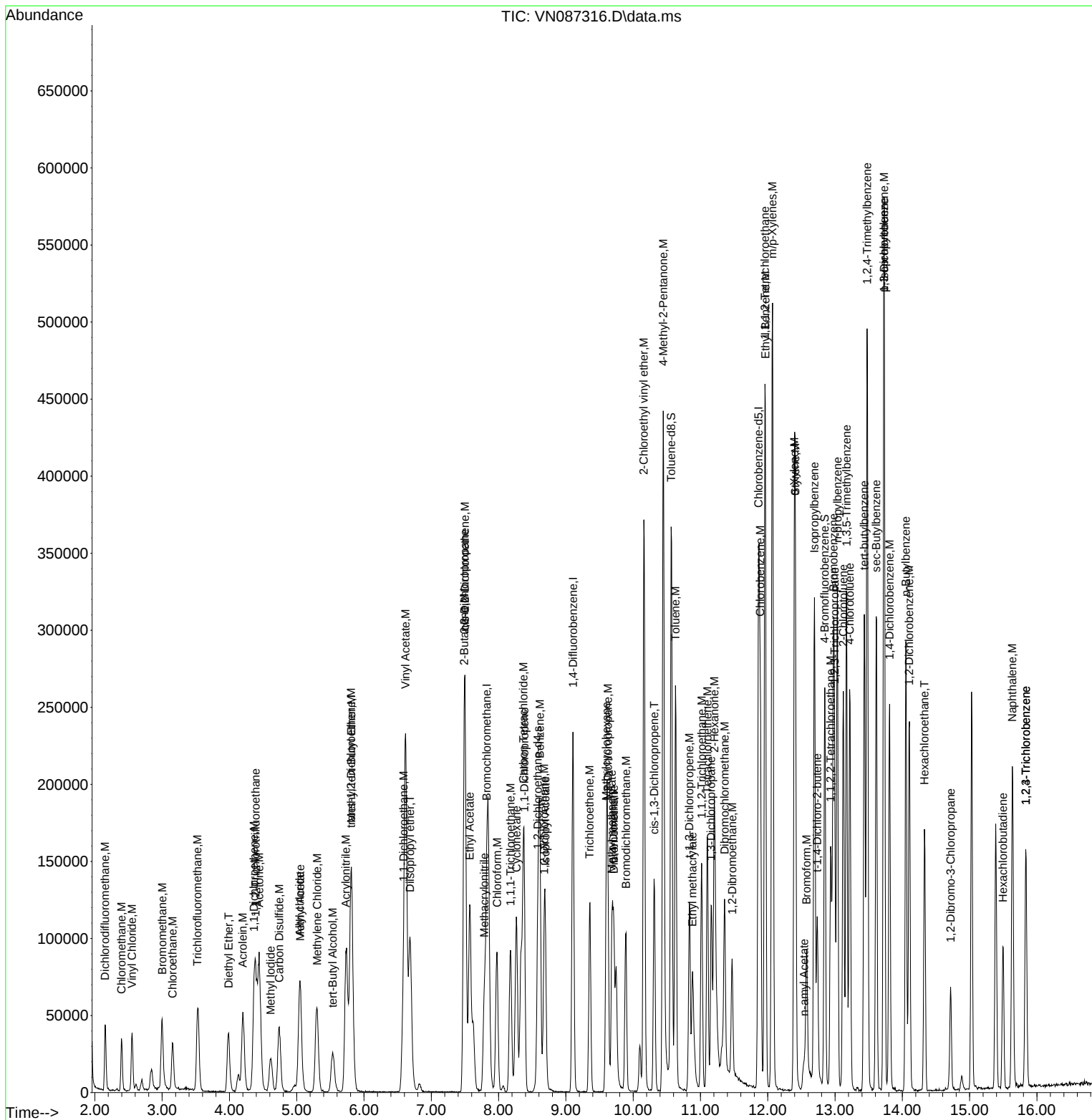
Instrument :  
 MSVOA\_N  
 ClientSampleId :

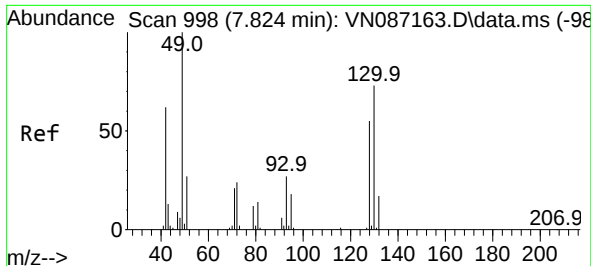
Quant Time: Jul 11 01:06:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N062525W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jun 25 10:49:56 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.571  | 43   | 69788    | 17.786  | ug/l   | 93       |
| 44) Isopropyl Acetate         | 8.694  | 43   | 102377   | 16.014  | ug/l   | 95       |
| 45) 1,4-Dioxane               | 9.706  | 88   | 14911    | 344.807 | ug/l # | 76       |
| 46) Methyl methacrylate       | 9.682  | 41   | 42288    | 14.229  | ug/l   | 90       |
| 47) n-amyl Acetate            | 12.541 | 43   | 22167    | 5.672   | ug/l # | 100      |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 71998    | 18.366  | ug/l   | 96       |
| 49) cis-1,3-Dichloropropene   | 10.312 | 75   | 75792    | 18.187  | ug/l   | 94       |
| 50) 1,1,2-Trichloroethane     | 11.018 | 97   | 50405    | 20.367  | ug/l   | 93       |
| 51) Ethyl methacrylate        | 10.882 | 69   | 60493    | 16.060  | ug/l   | 88       |
| 52) 1,3-Dichloropropane       | 11.159 | 76   | 79354    | 18.677  | ug/l   | 100      |
| 53) Dibromochloromethane      | 11.359 | 129  | 57446    | 22.113  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.471 | 107  | 52665    | 20.627  | ug/l   | 96       |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 171171   | 79.280  | ug/l   | 95       |
| 56) Bromoform                 | 12.576 | 173  | 38910    | 21.788  | ug/l # | 98       |
| 58) 4-Methyl-2-Pentanone      | 10.447 | 43   | 305007   | 74.861  | ug/l   | 96       |
| 59) 2-Hexanone                | 11.206 | 43   | 178213   | 67.738  | ug/l   | 97       |
| 61) Tetrachloroethene         | 11.106 | 164  | 37960    | 18.914  | ug/l   | 94       |
| 62) Toluene                   | 10.629 | 91   | 203216   | 17.754  | ug/l   | 99       |
| 64) Chlorobenzene             | 11.888 | 112  | 140028   | 19.178  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 48833    | 20.242  | ug/l   | 98       |
| 66) Ethyl Benzene             | 11.965 | 91   | 215595   | 17.208  | ug/l   | 96       |
| 67) m/p-Xylenes               | 12.070 | 106  | 177781   | 37.030  | ug/l   | 94       |
| 68) o-Xylene                  | 12.394 | 106  | 83384    | 18.205  | ug/l   | 95       |
| 69) Styrene                   | 12.412 | 104  | 144274   | 18.348  | ug/l   | 98       |
| 70) Isopropylbenzene          | 12.694 | 105  | 209510   | 18.366  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 77841    | 18.958  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 12.994 | 75   | 101271   | 28.601  | ug/l   | 49       |
| 73) Bromobenzene              | 12.976 | 156  | 57119    | 20.642  | ug/l   | 83       |
| 74) n-propylbenzene           | 13.035 | 91   | 256386   | 18.397  | ug/l   | 95       |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 155373   | 18.454  | ug/l   | 95       |
| 76) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 176246   | 18.979  | ug/l   | 97       |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 26042    | 16.581  | ug/l   | 93       |
| 78) 4-Chlorotoluene           | 13.217 | 91   | 163977   | 19.016  | ug/l   | 96       |
| 79) tert-butylbenzene         | 13.435 | 119  | 151329   | 19.386  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 180227   | 19.327  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 13.612 | 105  | 217106   | 19.132  | ug/l   | 98       |
| 82) p-Isopropyltoluene        | 13.729 | 119  | 188117   | 19.920  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 114011   | 21.396  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 13.812 | 146  | 108762   | 20.281  | ug/l   | 98       |
| 85) n-Butylbenzene            | 14.053 | 91   | 160463   | 18.624  | ug/l   | 96       |
| 86) Hexachloroethane          | 14.329 | 117  | 37803    | 21.148  | ug/l   | 97       |
| 87) 1,2-Dichlorobenzene       | 14.100 | 146  | 107855   | 21.467  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 18334    | 19.830  | ug/l   | 91       |
| 89) 1,2,4-Trichlorobenzene    | 15.835 | 180  | 56329    | 19.816  | ug/l   | 99       |
| 90) Hexachlorobutadiene       | 15.494 | 225  | 15826    | 18.762  | ug/l   | 97       |
| 91) Naphthalene               | 15.635 | 128  | 205505   | 18.369  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 56329    | 19.816  | ug/l   | 99       |

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

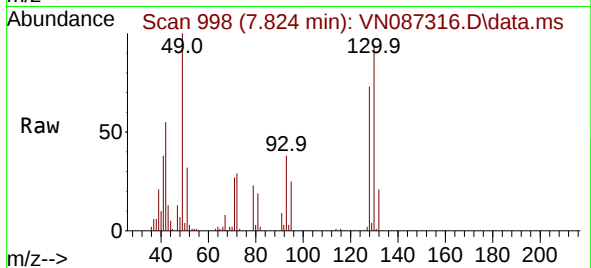
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N062525W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Jun 25 10:49:56 2025  
Response via : Initial Calibration



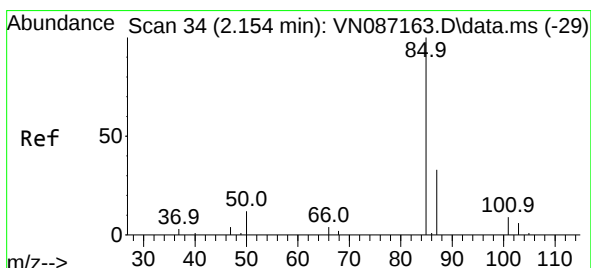
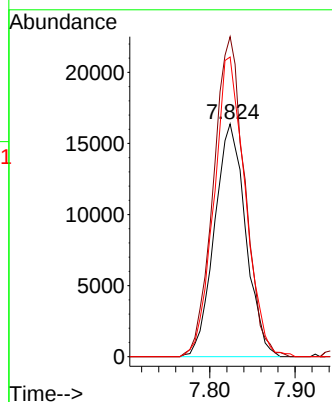
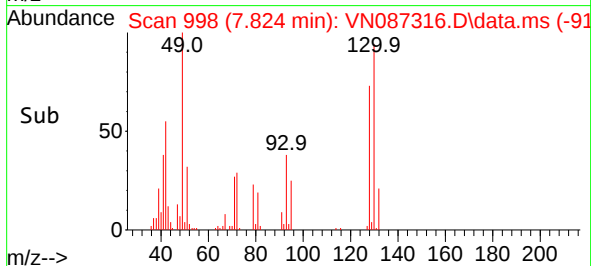


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.824 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Instrument :  
MSVOA\_N  
ClientSampleId :

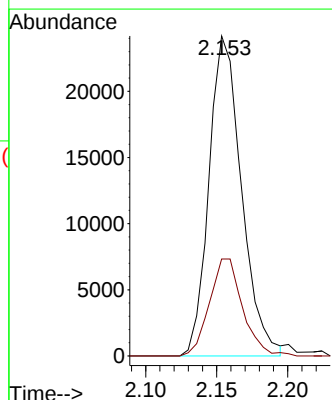
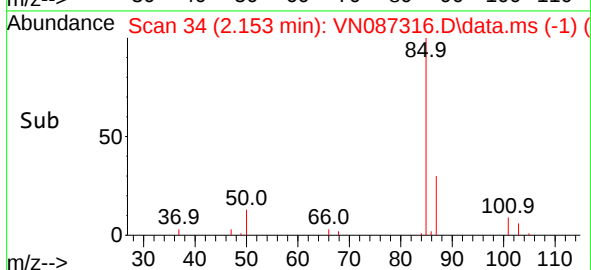
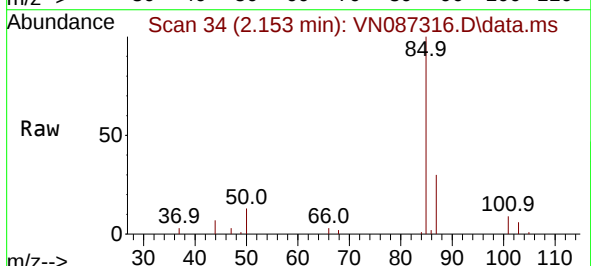


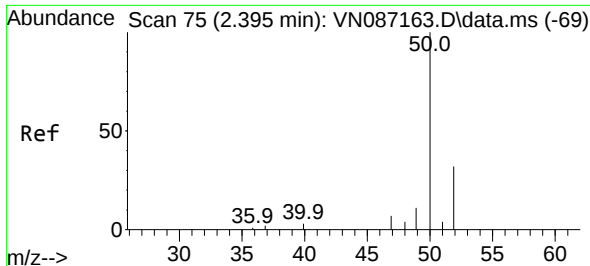
Tgt Ion:128 Resp: 41639  
Ion Ratio Lower Upper  
128 100  
49 137.4 0.0 450.5  
130 129.2 0.0 320.7



#2  
Dichlorodifluoromethane  
Concen: 15.362 ug/l  
RT: 2.153 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 85 Resp: 38505  
Ion Ratio Lower Upper  
85 100  
87 30.3 16.7 50.0

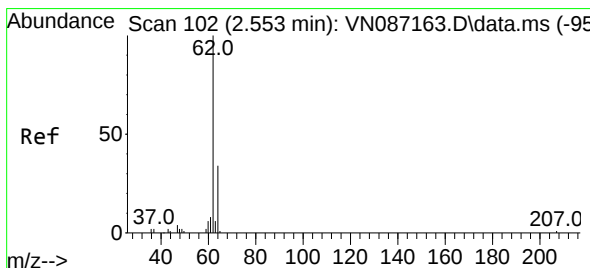
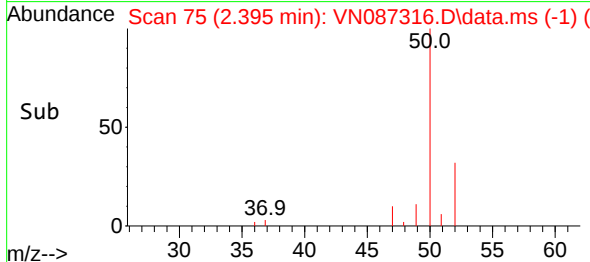
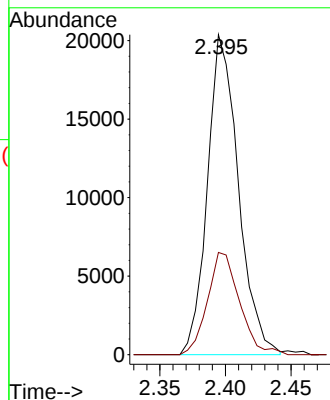
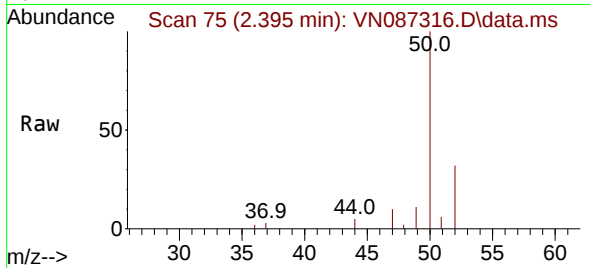




#3  
Chloromethane  
Concen: 13.055 ug/l  
RT: 2.395 min Scan# 75  
Delta R.T. 0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

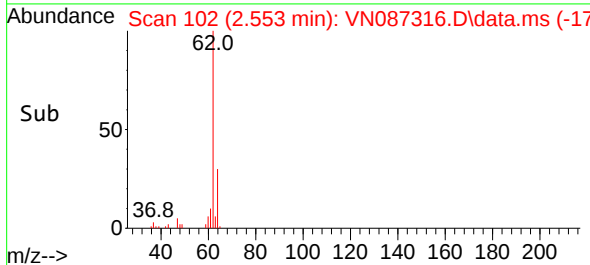
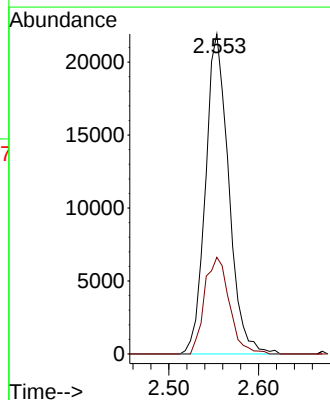
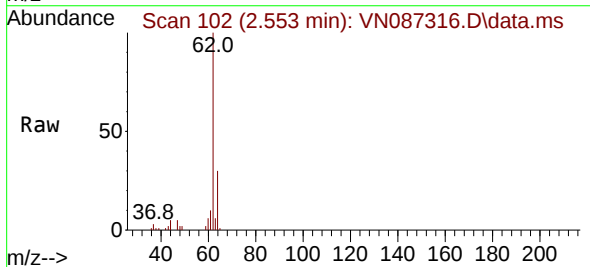
Instrument :  
MSVOA\_N  
ClientSampleId :

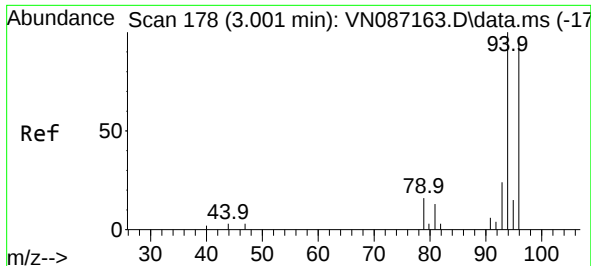
Tgt Ion: 50 Resp: 33423  
Ion Ratio Lower Upper  
50 100  
52 31.9 25.9 38.9



#4  
Vinyl Chloride  
Concen: 14.169 ug/l  
RT: 2.553 min Scan# 102  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

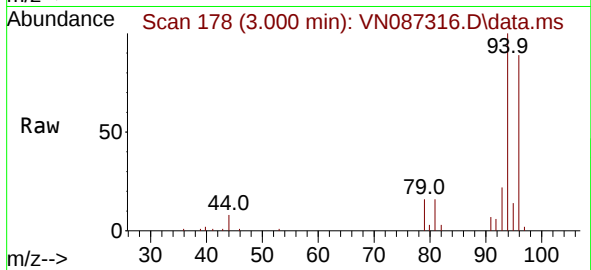
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Ion Ratio Lower Upper  
62 100  
64 30.2 27.4 41.2



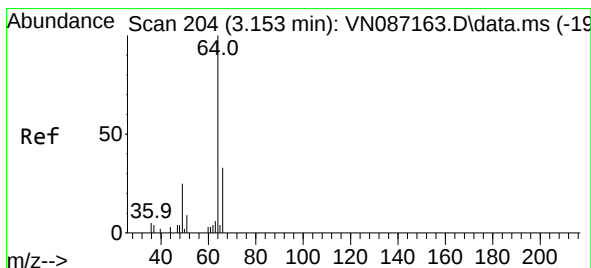
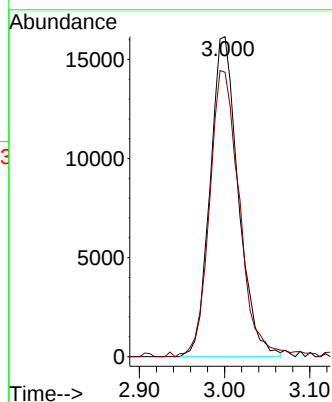
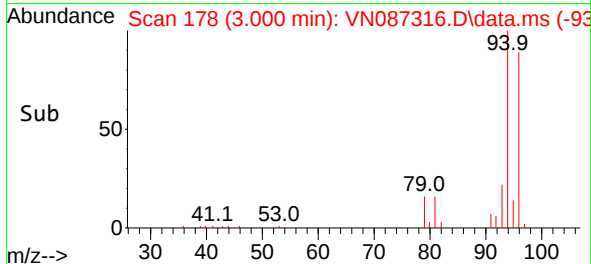


#5  
Bromomethane  
Concen: 25.123 ug/l  
RT: 3.000 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Instrument :  
MSVOA\_N  
ClientSampleId :

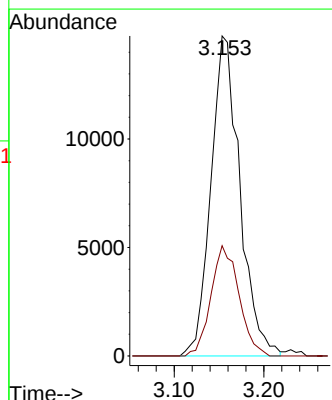
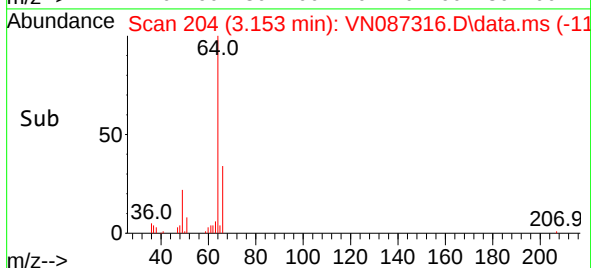
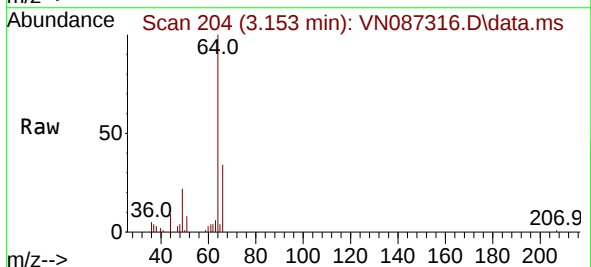


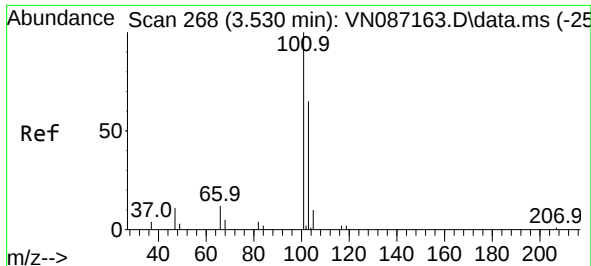
Tgt Ion: 94 Resp: 37098  
Ion Ratio Lower Upper  
94 100  
96 87.9 77.9 116.9



#6  
Chloroethane  
Concen: 22.124 ug/l  
RT: 3.153 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

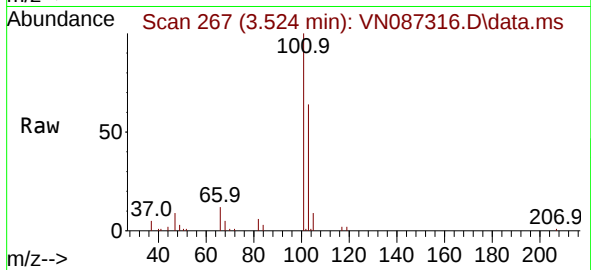
Tgt Ion: 64 Resp: 33021  
Ion Ratio Lower Upper  
64 100  
66 34.4 26.4 39.6



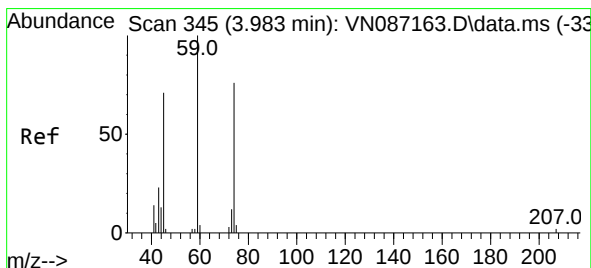
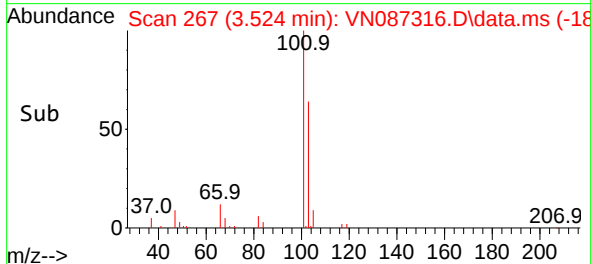
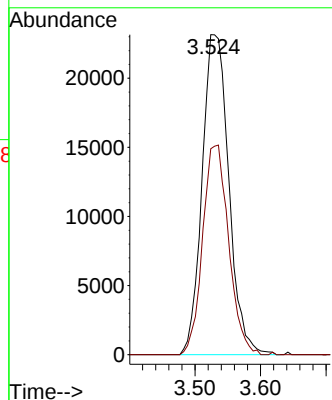


#7  
 Trichlorofluoromethane  
 Concen: 19.194 ug/l  
 RT: 3.524 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: VN087316.D  
 Acq: 10 Jul 2025 10:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :

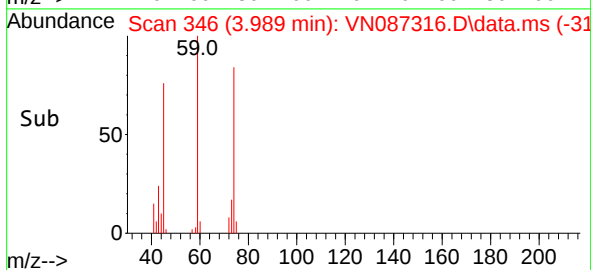
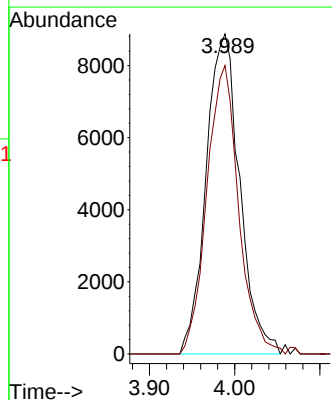
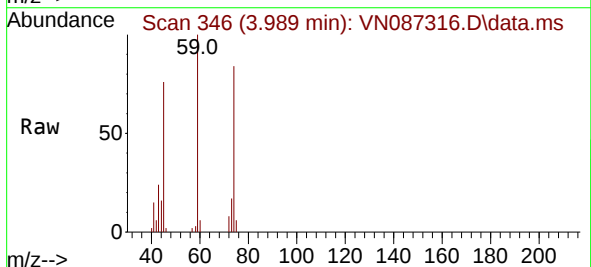


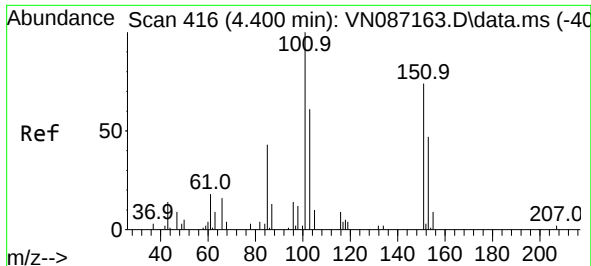
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 Ion Ratio Lower Upper  
 101 100  
 103 64.4 51.8 77.8



#8  
 Diethyl Ether  
 Concen: 14.499 ug/l  
 RT: 3.989 min Scan# 346  
 Delta R.T. 0.006 min  
 Lab File: VN087316.D  
 Acq: 10 Jul 2025 10:41

Tgt Ion: 74 Resp: 24312  
 Ion Ratio Lower Upper  
 74 100  
 45 85.2 19.0 171.0

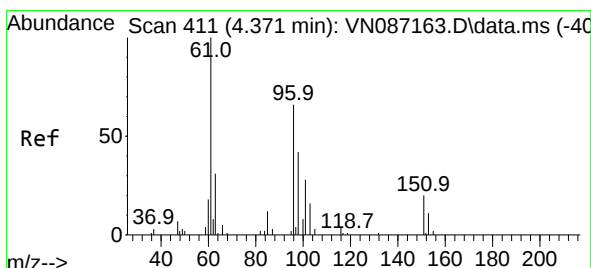
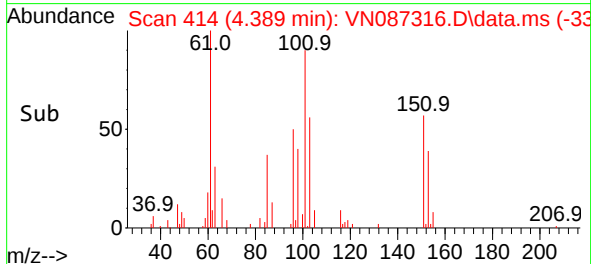
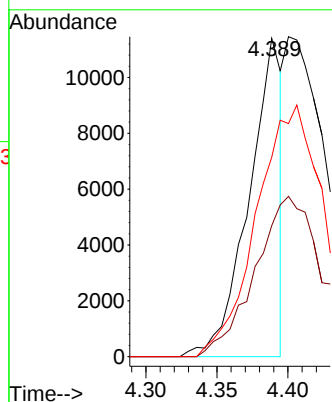
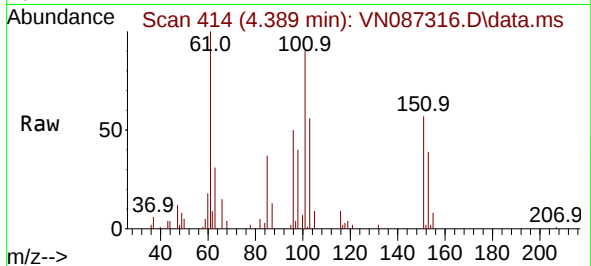




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 7.243 ug/l  
RT: 4.389 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

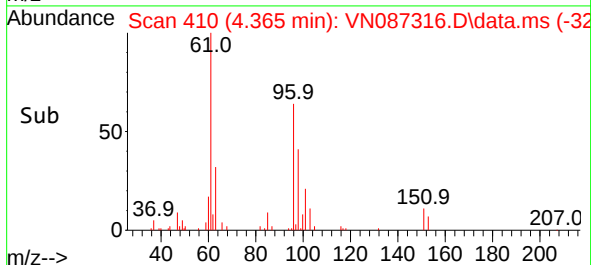
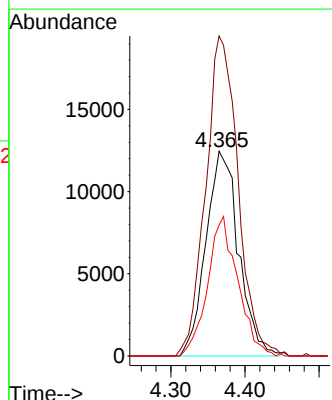
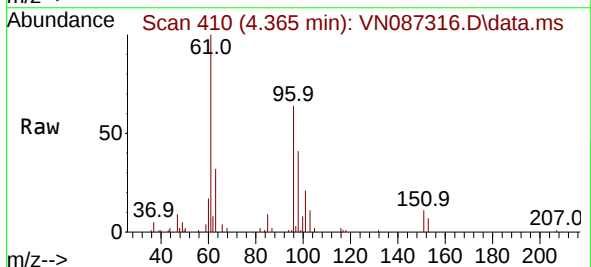
Instrument :  
MSVOA\_N  
ClientSampleId :

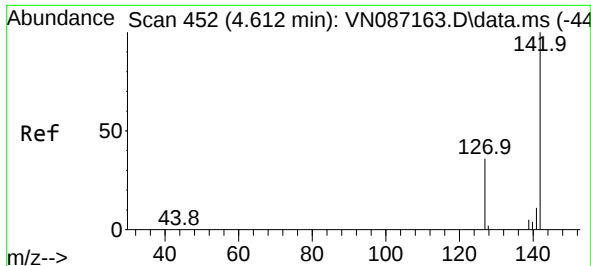
Tgt Ion:101 Resp: 18327  
Ion Ratio Lower Upper  
101 100  
85 102.3 0.0 40.6#  
151 165.6 0.0 141.2#



#10  
1,1-Dichloroethene  
Concen: 15.147 ug/l  
RT: 4.365 min Scan# 410  
Delta R.T. -0.006 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

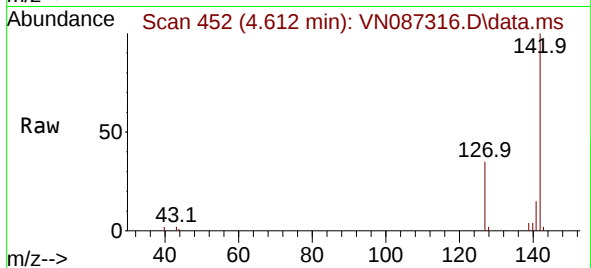
Tgt Ion: 96 Resp: 38206  
Ion Ratio Lower Upper  
96 100  
61 155.1 122.0 183.0  
98 64.0 50.3 75.5



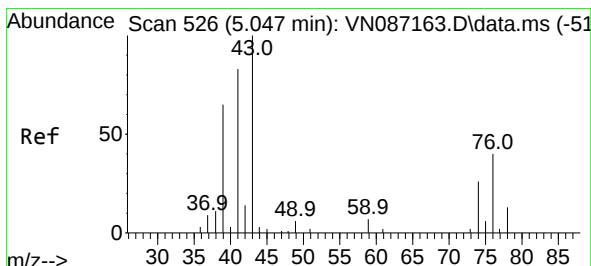
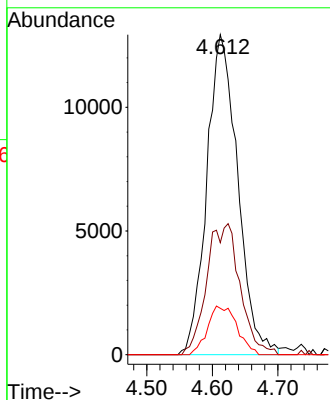
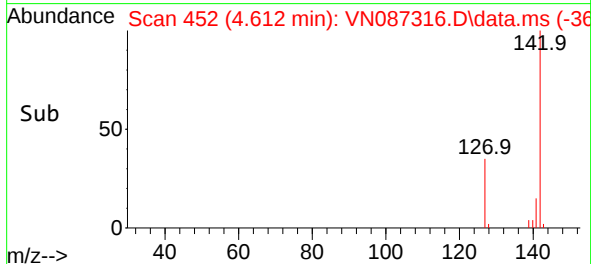


#11  
Methyl Iodide  
Concen: 18.721 ug/l  
RT: 4.612 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Instrument :  
MSVOA\_N  
ClientSampleId :

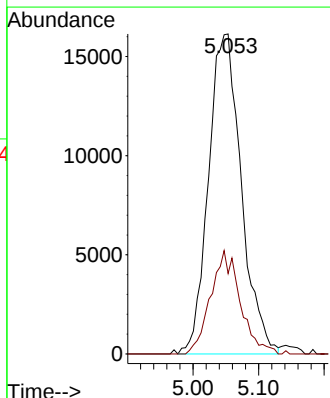
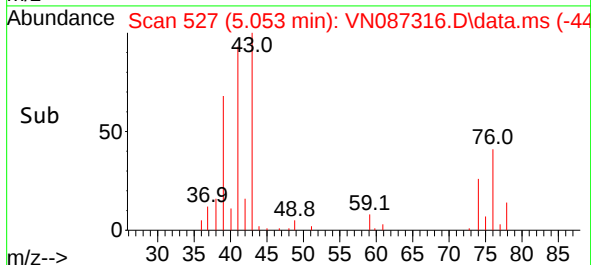
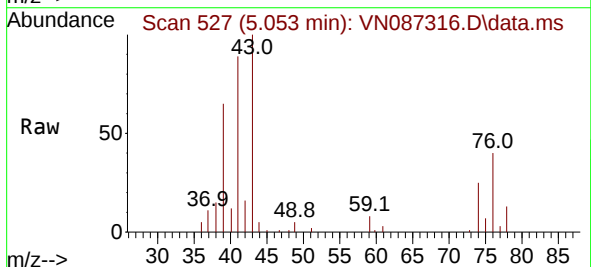


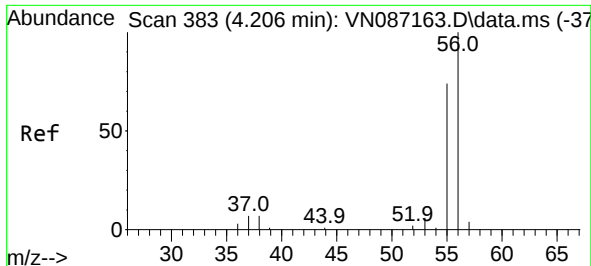
Tgt Ion:142 Resp: 42303  
Ion Ratio Lower Upper  
142 100  
127 35.4 18.1 54.1  
141 14.6 5.7 17.1



#12  
Methyl Acetate  
Concen: 14.175 ug/l  
RT: 5.053 min Scan# 527  
Delta R.T. 0.006 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 43 Resp: 56084  
Ion Ratio Lower Upper  
43 100  
74 25.4 20.3 30.5

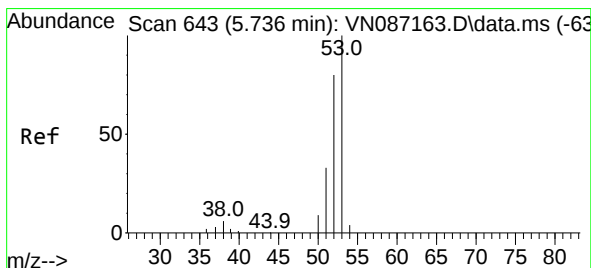
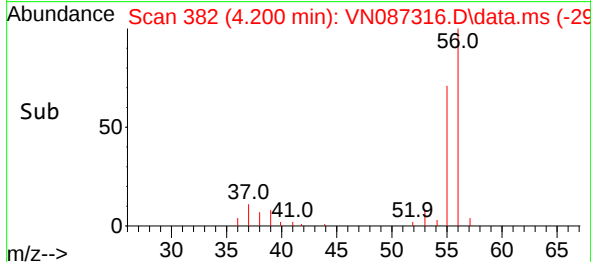
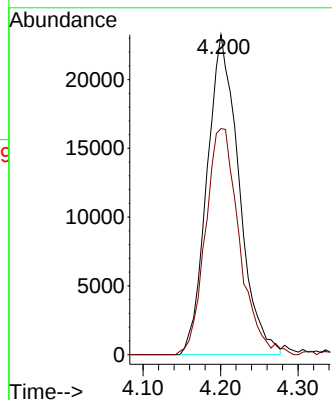
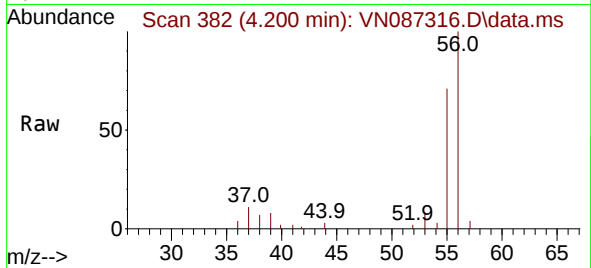




#13  
Acrolein  
Concen: 109.781 ug/l  
RT: 4.200 min Scan# 383  
Delta R.T. -0.006 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

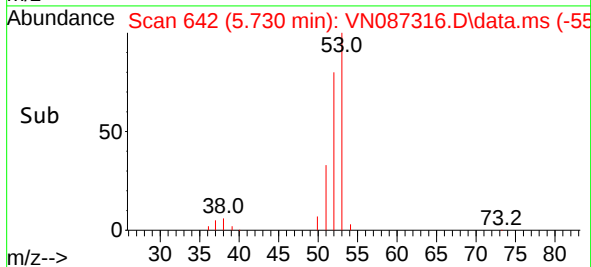
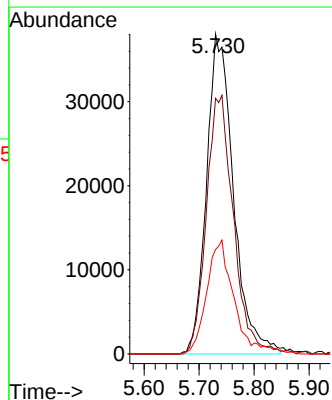
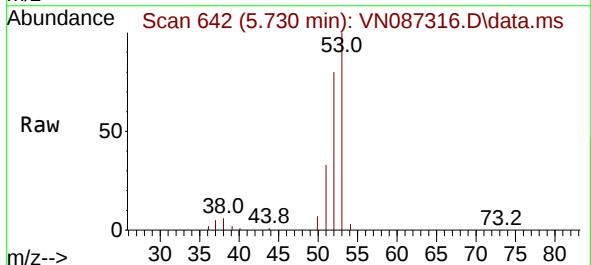
Instrument :  
MSVOA\_N  
ClientSampleId :

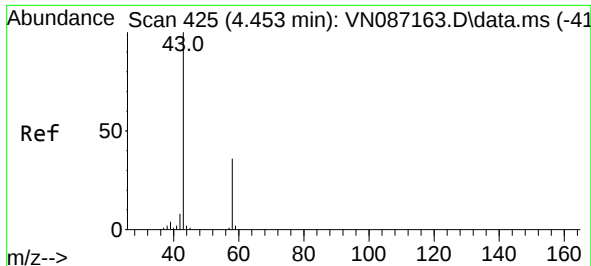
Tgt Ion: 56 Resp: 66741  
Ion Ratio Lower Upper  
56 100  
55 73.8 55.7 83.5



#14  
Acrylonitrile  
Concen: 70.179 ug/l  
RT: 5.730 min Scan# 642  
Delta R.T. -0.006 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 53 Resp: 129512  
Ion Ratio Lower Upper  
53 100  
52 80.6 40.5 121.5  
51 33.7 16.9 50.7





#15

Acetone

Concen: 90.980 ug/l

RT: 4.442 min Scan# 41

Delta R.T. -0.012 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA\_N

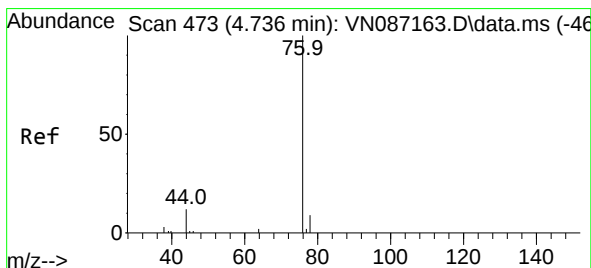
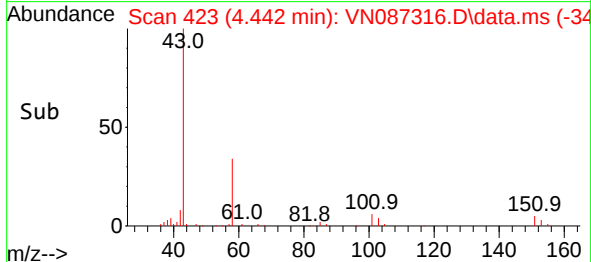
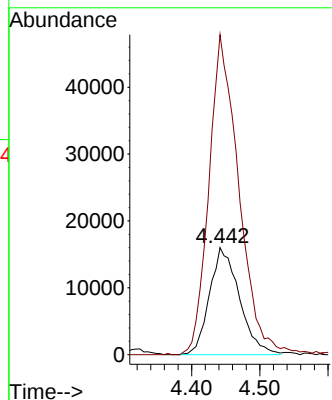
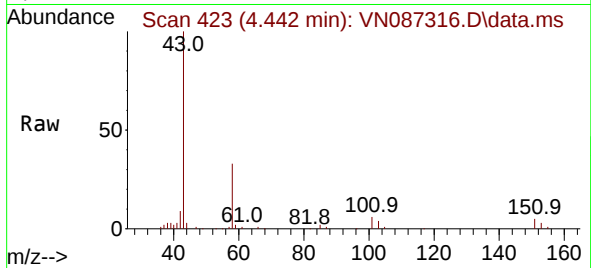
ClientSampleId :

Tgt Ion: 58 Resp: 48976

Ion Ratio Lower Upper

58 100

43 299.1 224.3 336.5



#16

Carbon Disulfide

Concen: 13.776 ug/l

RT: 4.742 min Scan# 474

Delta R.T. 0.006 min

Lab File: VN087316.D

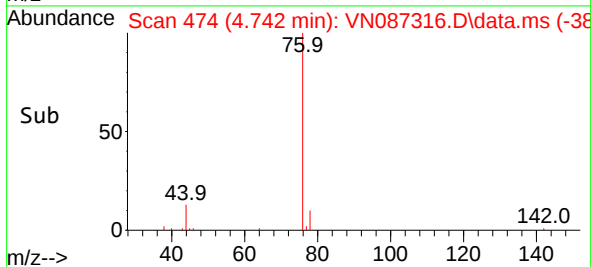
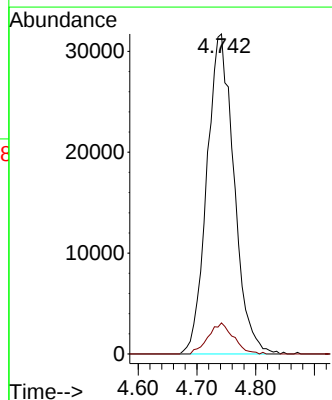
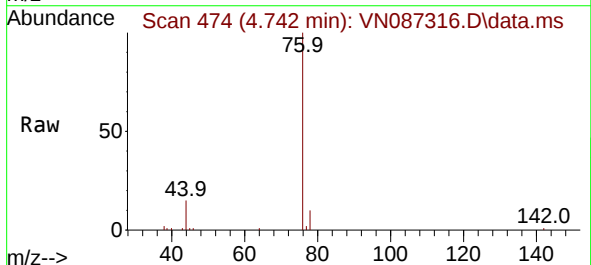
Acq: 10 Jul 2025 10:41

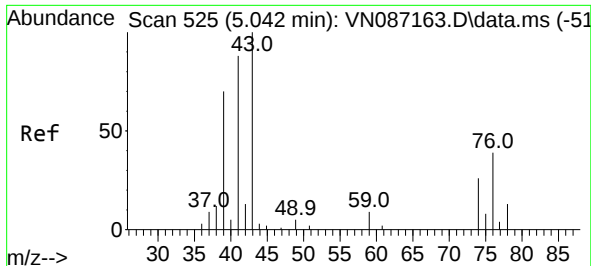
Tgt Ion: 76 Resp: 101596

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8





#17

Allyl chloride

Concen: 11.928 ug/l

RT: 5.047 min Scan# 51

Delta R.T. 0.006 min

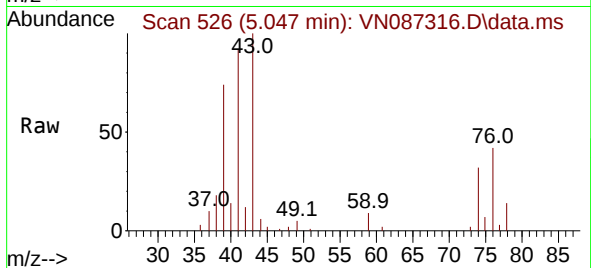
Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA\_N

ClientSampleId :



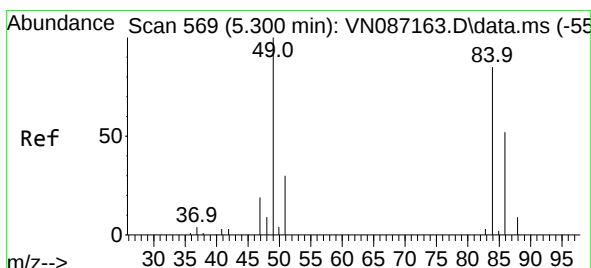
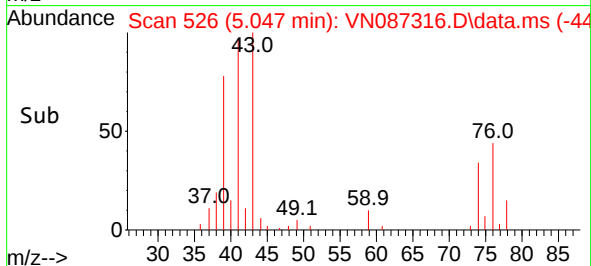
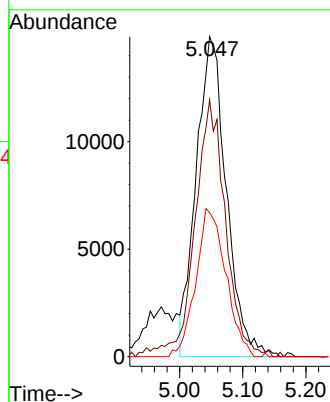
Tgt Ion: 41 Resp: 49623

Ion Ratio Lower Upper

41 100

39 78.9 36.0 108.0

76 45.0 19.5 58.5



#18

Methylene Chloride

Concen: 16.488 ug/l

RT: 5.306 min Scan# 570

Delta R.T. 0.006 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Tgt Ion: 84 Resp: 48180

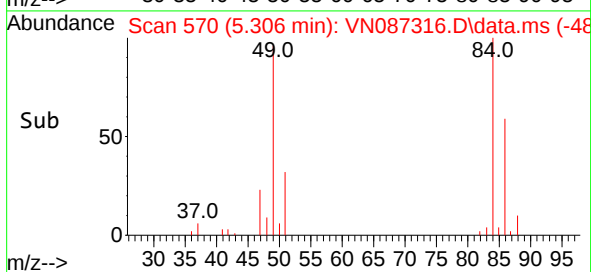
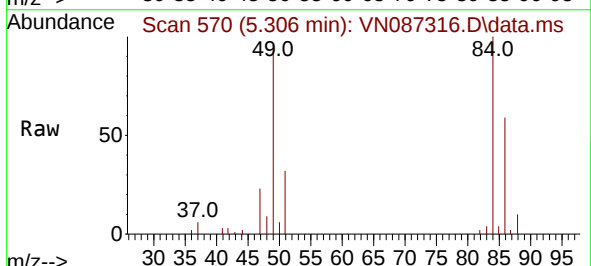
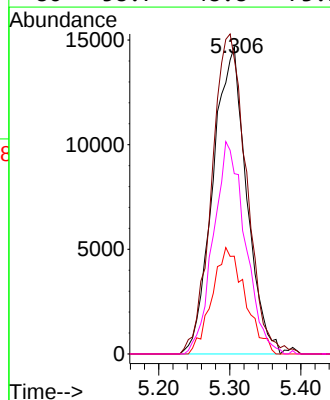
Ion Ratio Lower Upper

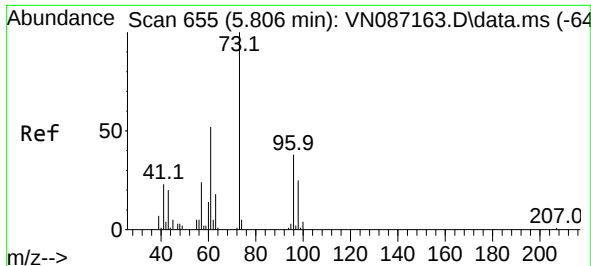
84 100

49 96.1 94.0 141.0

51 31.9 28.3 42.5

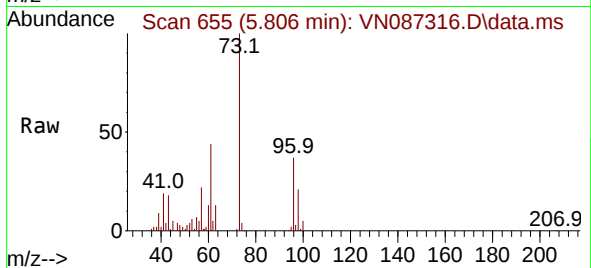
86 58.7 48.8 73.2



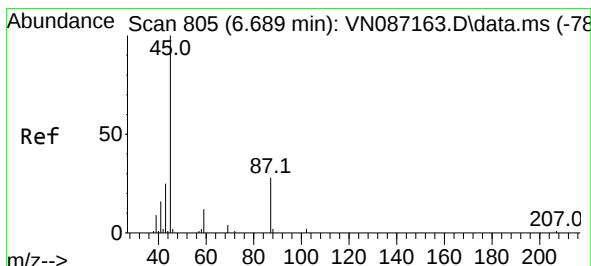
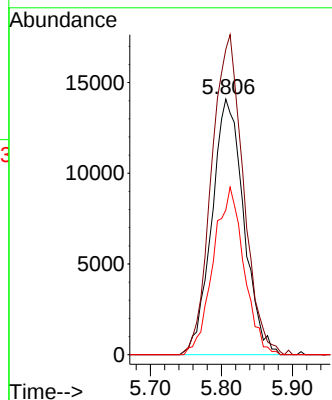
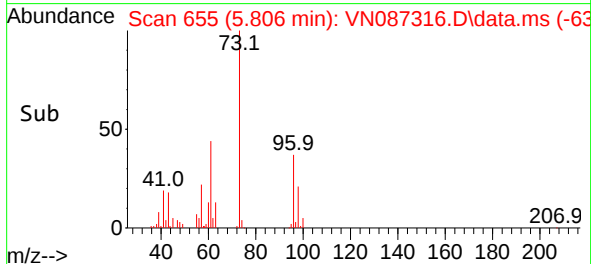


#19  
trans-1,2-Dichloroethene  
Concen: 15.951 ug/l  
RT: 5.806 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Instrument :  
MSVOA\_N  
ClientSampleId :

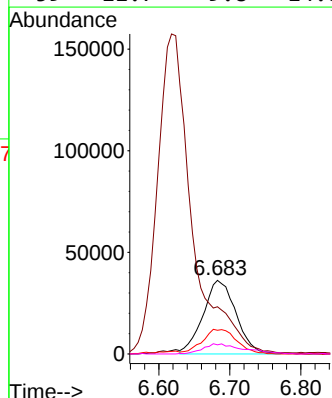
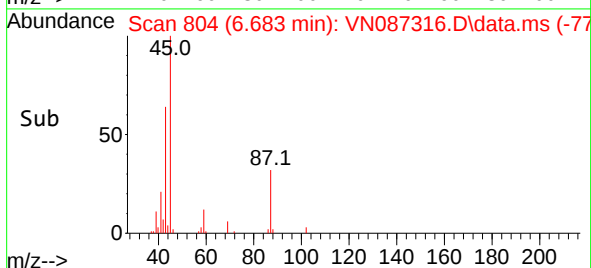
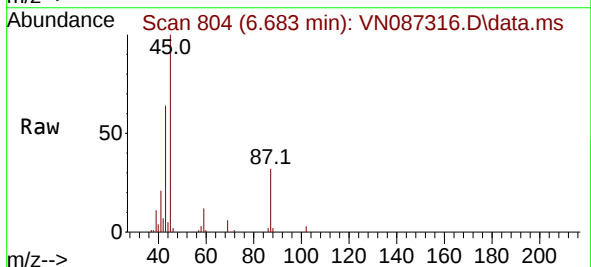


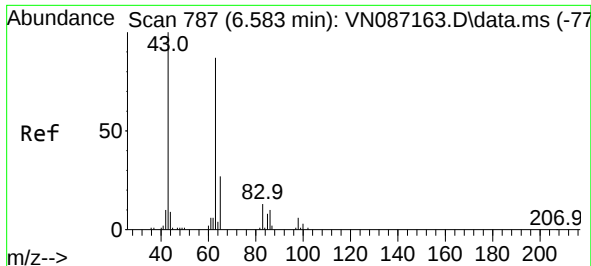
Tgt Ion: 96 Resp: 43998  
Ion Ratio Lower Upper  
96 100  
61 119.5 110.3 165.5  
98 56.6 51.6 77.4



#20  
Diisopropyl ether  
Concen: 13.192 ug/l  
RT: 6.683 min Scan# 804  
Delta R.T. -0.006 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 45 Resp: 116442  
Ion Ratio Lower Upper  
45 100  
43 62.8 45.3 67.9  
87 32.4 22.6 33.8  
59 11.7 9.8 14.8





#21

1,1-Dichloroethane

Concen: 14.926 ug/l

RT: 6.588 min Scan# 788

Delta R.T. 0.006 min

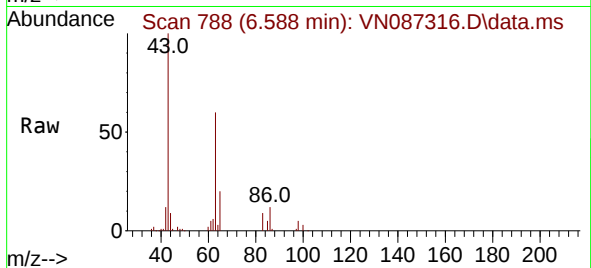
Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA\_N

ClientSampleId :



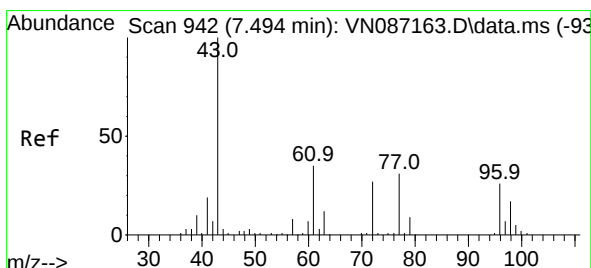
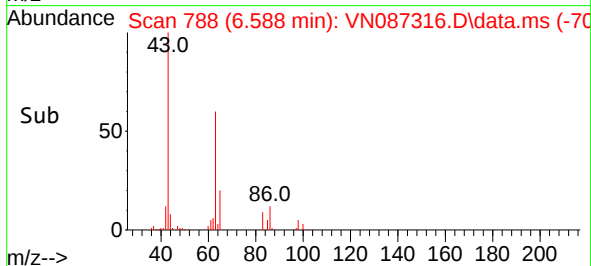
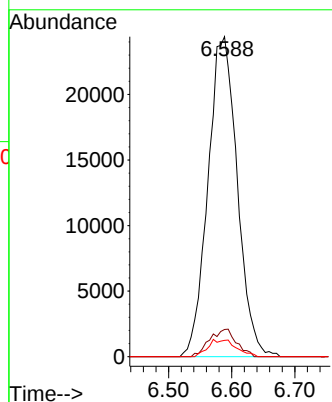
Tgt Ion: 63 Resp: 78738

Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.4

100 5.1 2.0 5.8



#22

cis-1,2-Dichloroethene

Concen: 16.681 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.006 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

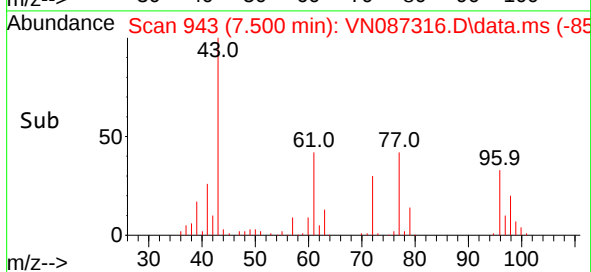
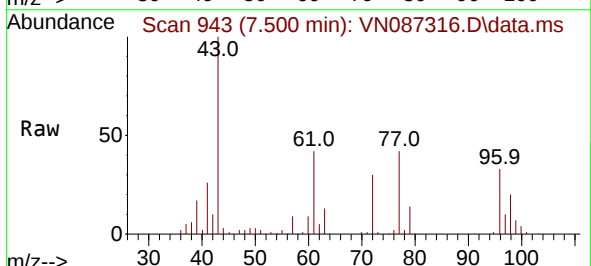
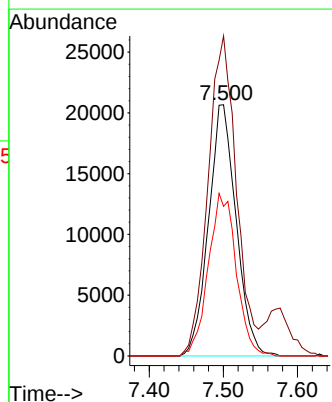
Tgt Ion: 96 Resp: 53553

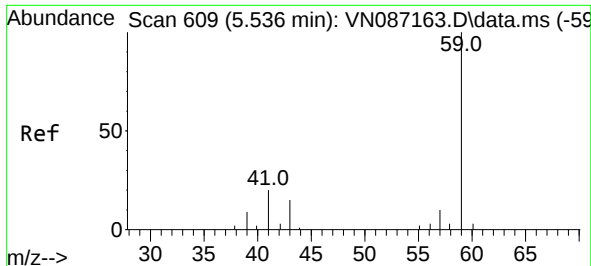
Ion Ratio Lower Upper

96 100

61 130.8 119.2 178.8

98 65.3 50.6 75.8

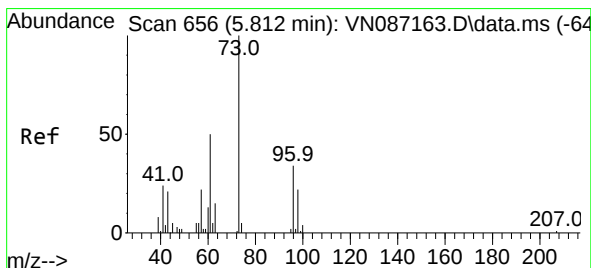
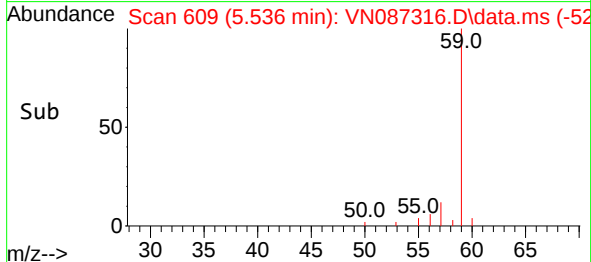
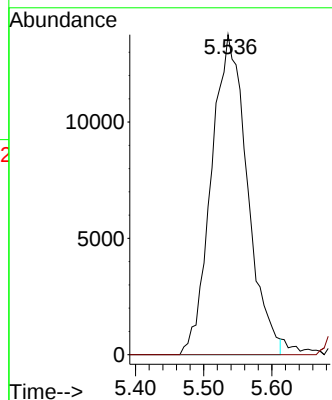
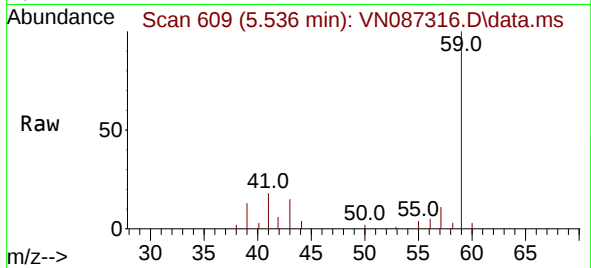




#23  
tert-Butyl Alcohol  
Concen: 72.674 ug/l  
RT: 5.536 min Scan# 609  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

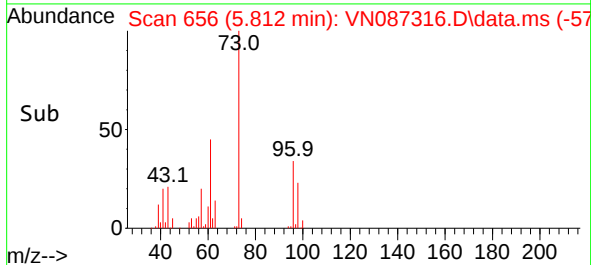
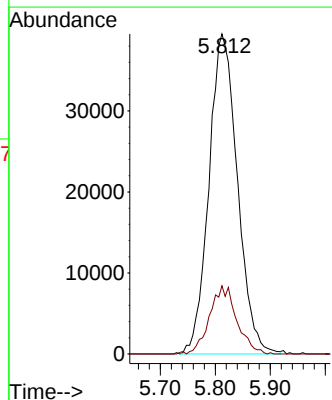
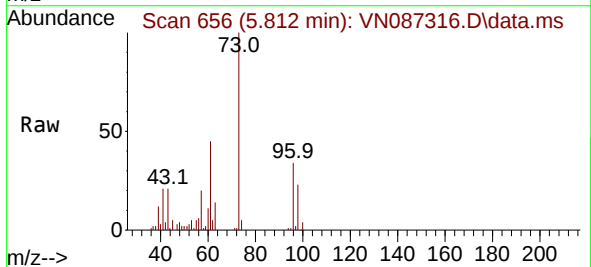
Instrument :  
MSVOA\_N  
ClientSampleId :

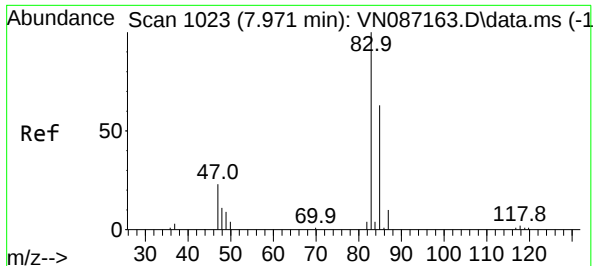
Tgt Ion: 59 Resp: 50438  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 16.078 ug/l  
RT: 5.812 min Scan# 656  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 73 Resp: 142236  
Ion Ratio Lower Upper  
73 100  
43 20.1 16.4 24.6





#25

Chloroform

Concen: 18.096 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA\_N

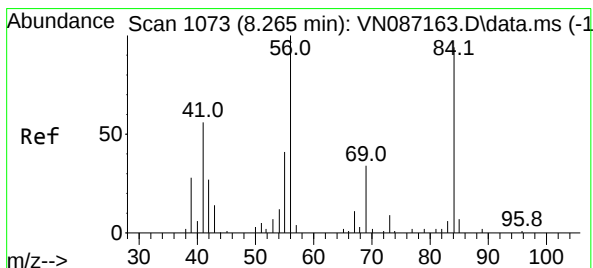
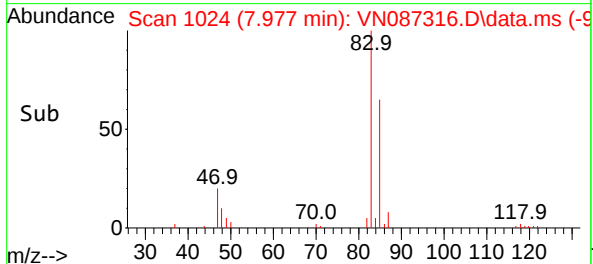
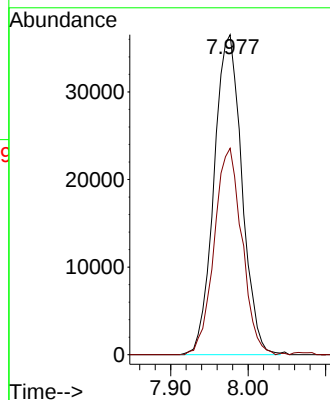
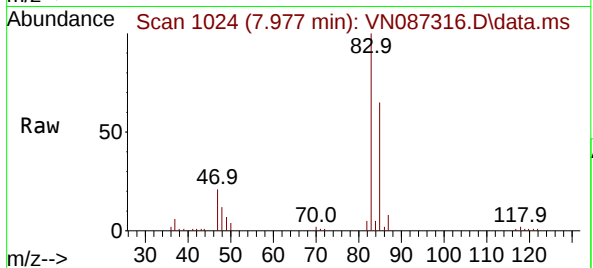
ClientSampleId :

Tgt Ion: 83 Resp: 91456

Ion Ratio Lower Upper

83 100

85 64.5 50.7 76.1



#26

Cyclohexane

Concen: 12.601 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

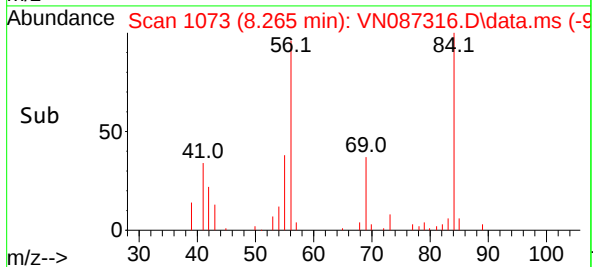
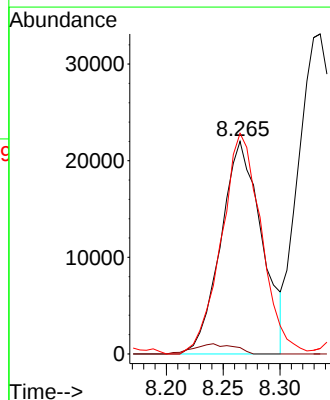
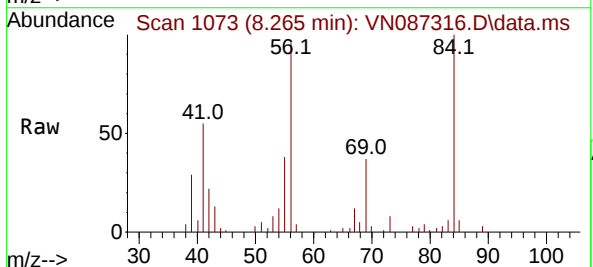
Tgt Ion: 56 Resp: 55255

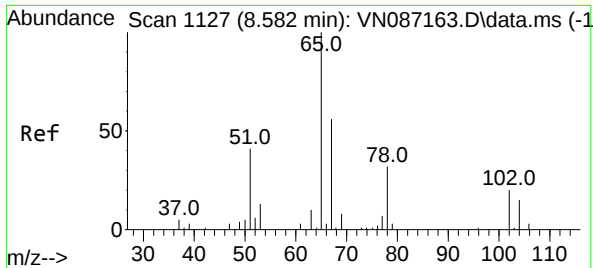
Ion Ratio Lower Upper

56 100

89 3.1 6.9 10.3#

84 100.9 69.1 103.7

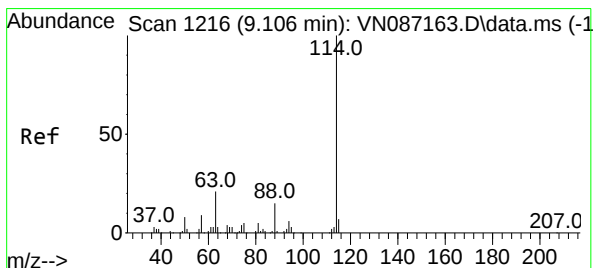
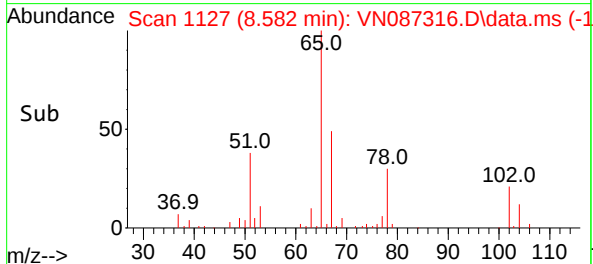
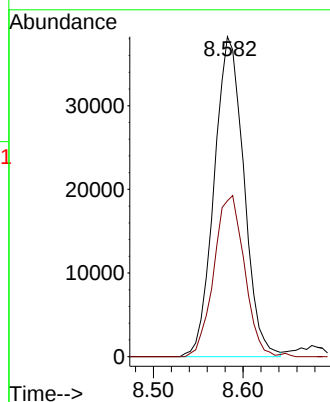
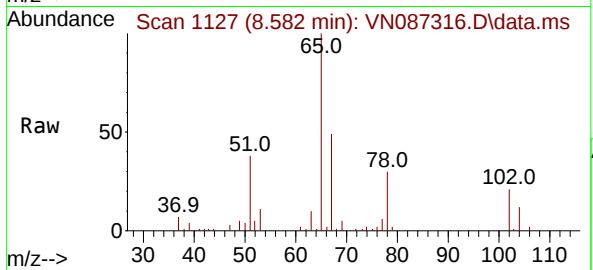




#27  
 1,2-Dichloroethane-d4  
 Concen: 28.037 ug/l  
 RT: 8.582 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VN087316.D  
 Acq: 10 Jul 2025 10:41

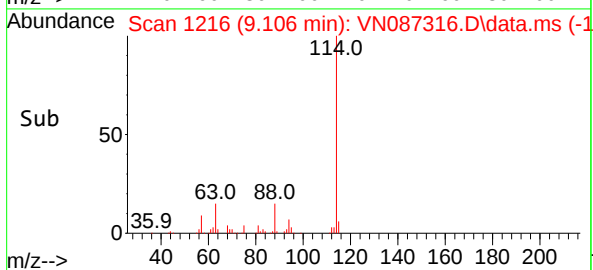
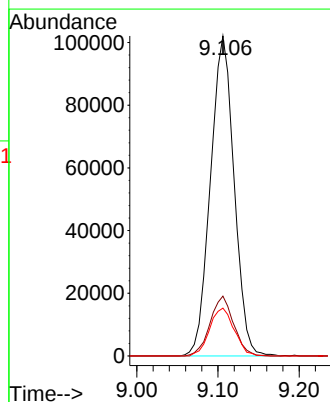
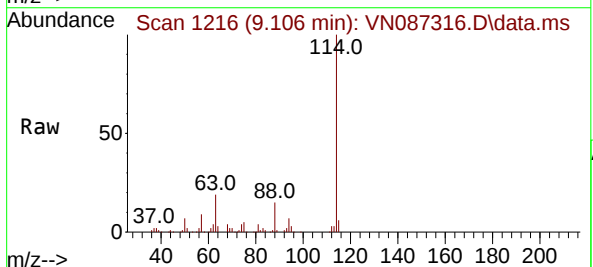
Instrument :  
 MSVOA\_N  
 ClientSampleId :

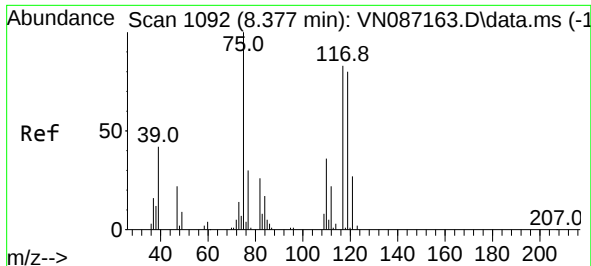
Tgt Ion: 65 Resp: 87959  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 41.9 62.9



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 9.106 min Scan# 1216  
 Delta R.T. -0.000 min  
 Lab File: VN087316.D  
 Acq: 10 Jul 2025 10:41

Tgt Ion: 114 Resp: 206728  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 17.0 25.4  
 88 15.5 12.6 19.0

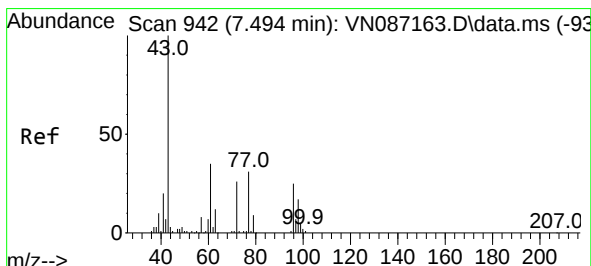
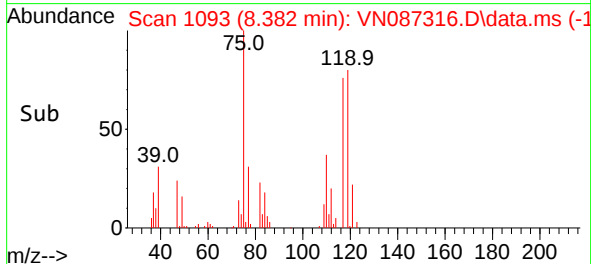
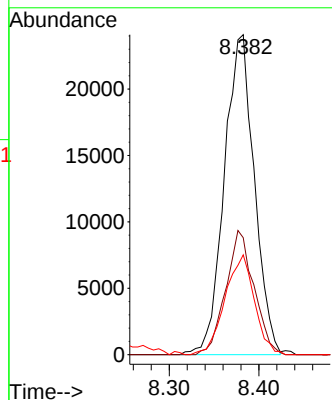
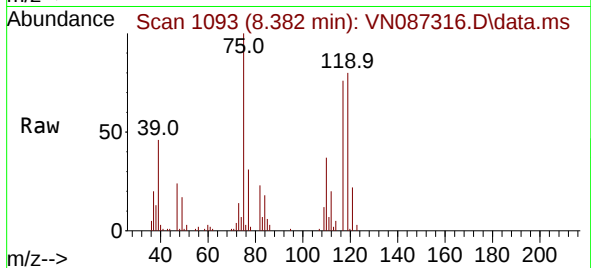




#29  
1,1-Dichloropropene  
Concen: 17.371 ug/l  
RT: 8.382 min Scan# 1093  
Delta R.T. 0.006 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

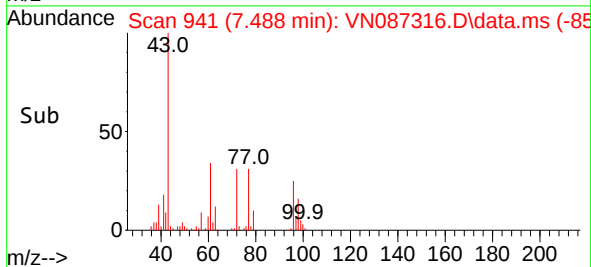
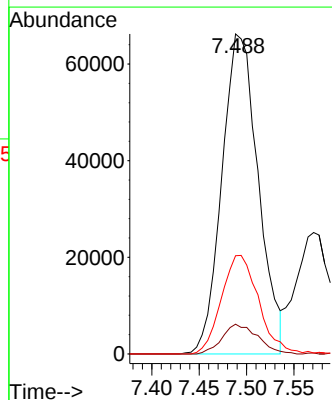
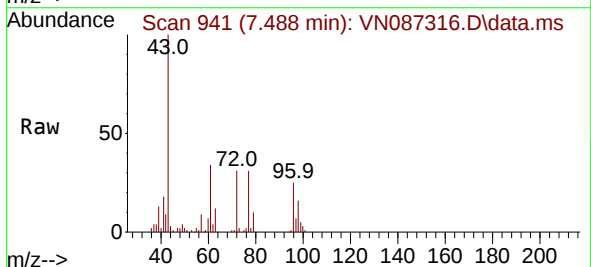
Instrument :  
MSVOA\_N  
ClientSampleId :

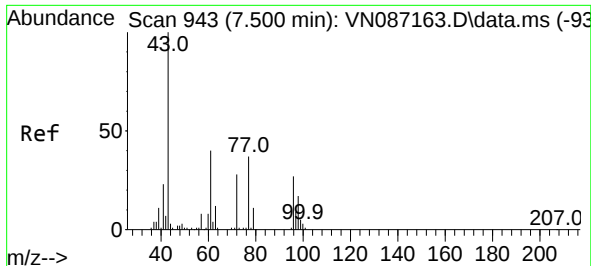
Tgt Ion: 75 Resp: 55970  
Ion Ratio Lower Upper  
75 100  
110 36.4 0.0 69.2  
77 30.6 0.0 61.8



#30  
2-Butanone  
Concen: 81.328 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 43 Resp: 176767  
Ion Ratio Lower Upper  
43 100  
57 9.1 6.3 9.5  
72 31.6 21.8 32.6

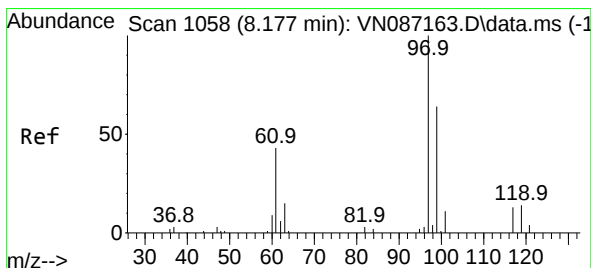
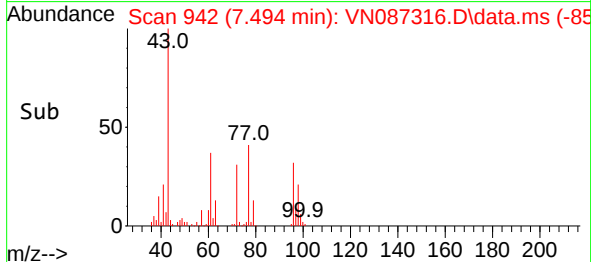
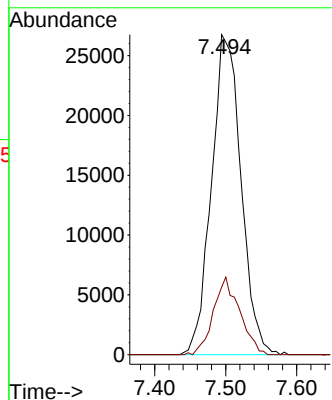
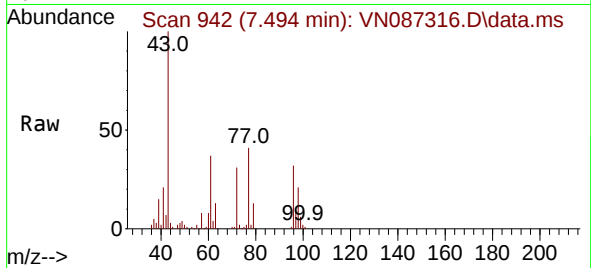




#31  
2,2-Dichloropropane  
Concen: 19.857 ug/l  
RT: 7.494 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

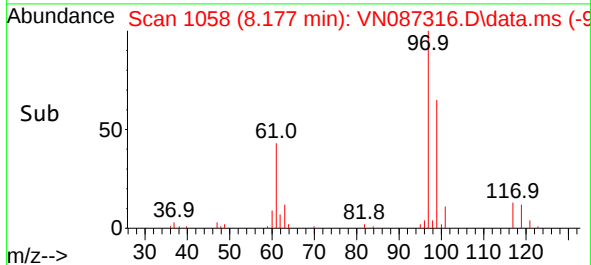
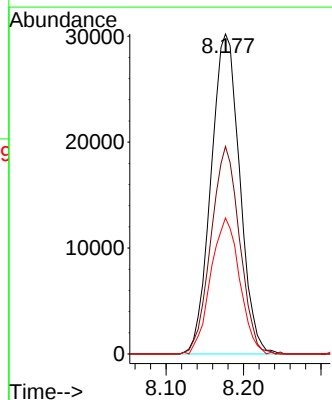
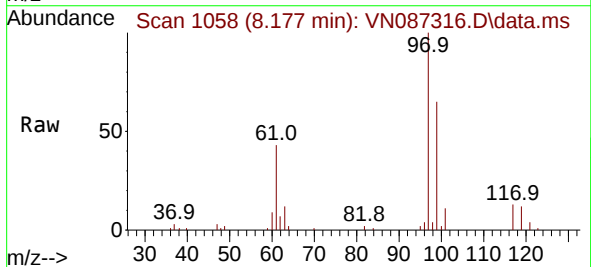
Instrument :  
MSVOA\_N  
ClientSampleId :

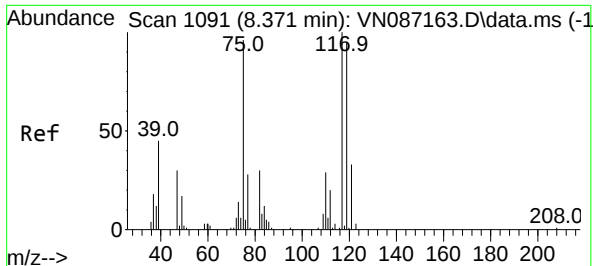
Tgt Ion: 77 Resp: 77233  
Ion Ratio Lower Upper  
77 100  
97 21.5 18.4 27.6



#32  
1,1,1-Trichloroethane  
Concen: 20.665 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

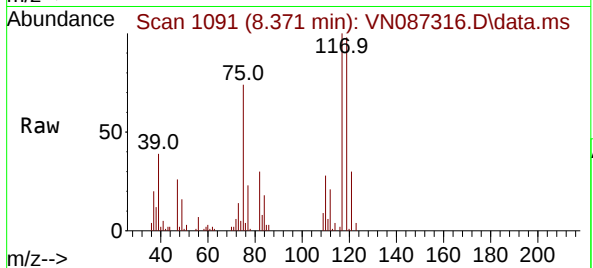
Tgt Ion: 97 Resp: 77788  
Ion Ratio Lower Upper  
97 100  
99 64.6 50.8 76.2  
61 42.6 36.1 54.1



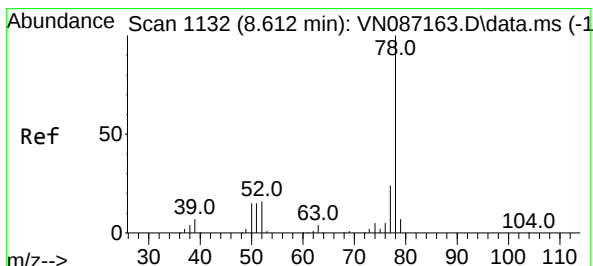
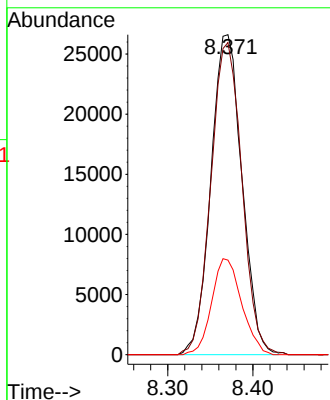
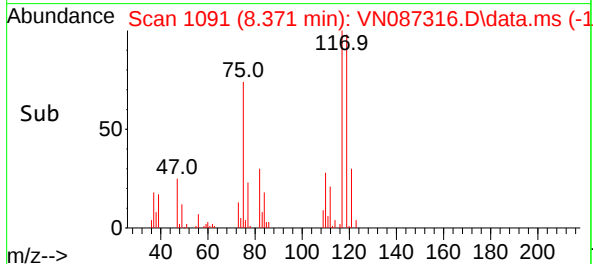


#33  
Carbon Tetrachloride  
Concen: 21.293 ug/l  
RT: 8.371 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Instrument :  
MSVOA\_N  
ClientSampleId :

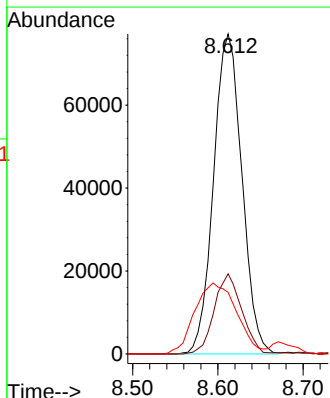
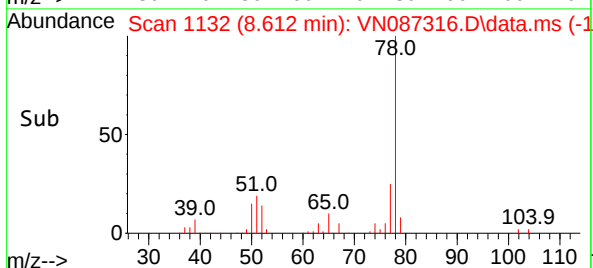
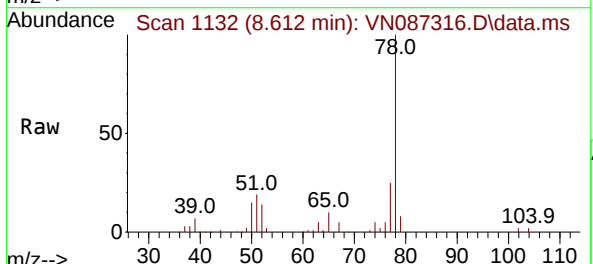


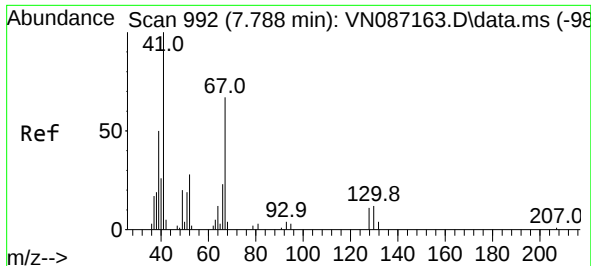
Tgt Ion:117 Resp: 67452  
Ion Ratio Lower Upper  
117 100  
119 97.5 75.8 113.6  
121 29.6 26.2 39.4



#34  
Benzene  
Concen: 17.451 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 78 Resp: 178133  
Ion Ratio Lower Upper  
78 100  
77 25.1 19.5 29.3  
51 17.3 14.8 22.2

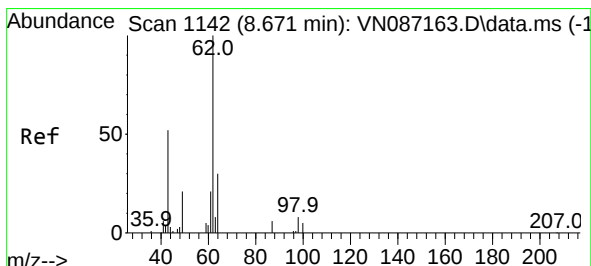
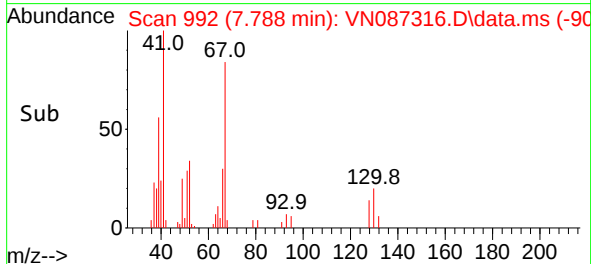
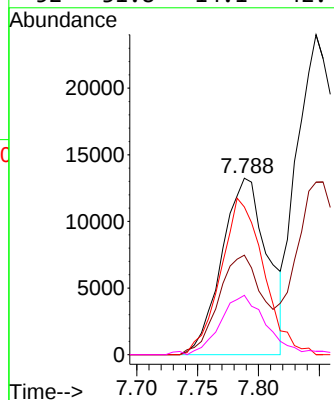
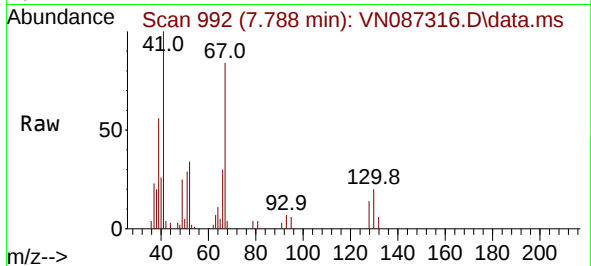




#35  
Methacrylonitrile  
Concen: 15.717 ug/l  
RT: 7.788 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

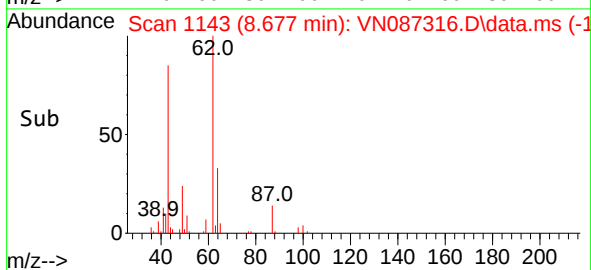
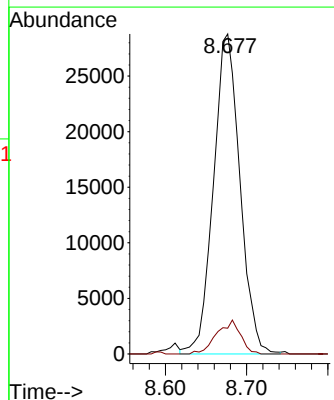
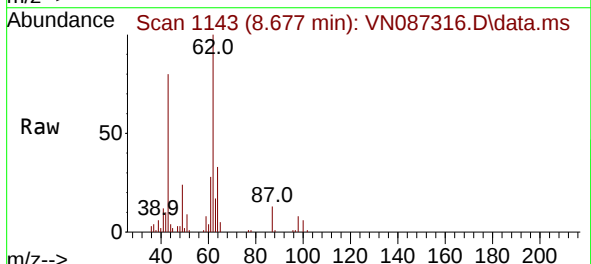
Instrument :  
MSVOA\_N  
ClientSampleId :

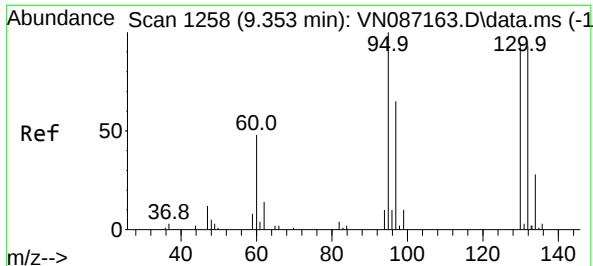
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 34427 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 56.4     | 24.4 73.2   |
| 67 83.7     | 33.3 99.8   |
| 52 31.8     | 14.1 42.4   |



#36  
1,2-Dichloroethane  
Concen: 19.816 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.006 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 65356 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 9.5      | 7.2 10.8    |





#37

Trichloroethene

Concen: 19.283 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA\_N

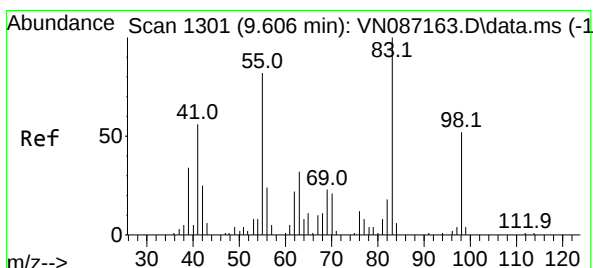
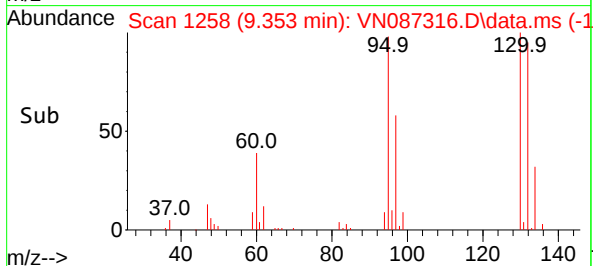
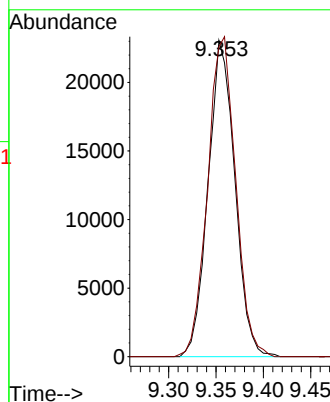
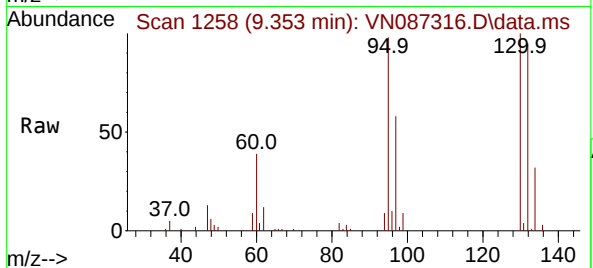
ClientSampleId :

Tgt Ion:130 Resp: 45403

Ion Ratio Lower Upper

130 100

95 98.0 85.3 127.9



#38

Methylcyclohexane

Concen: 15.608 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

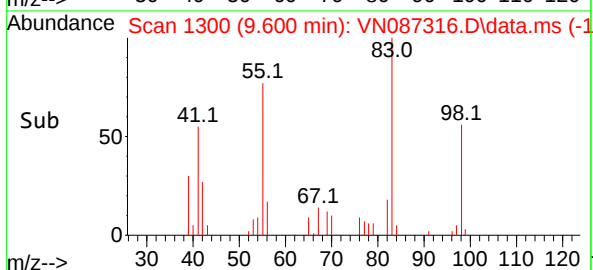
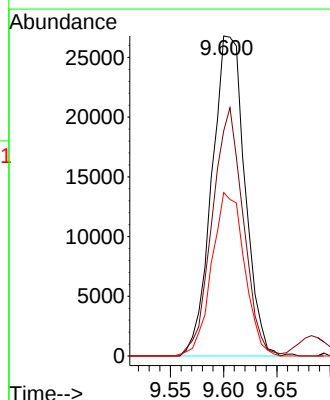
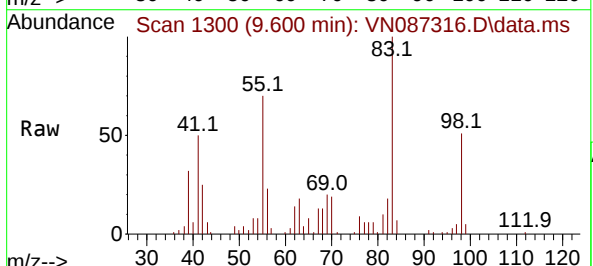
Tgt Ion: 83 Resp: 57702

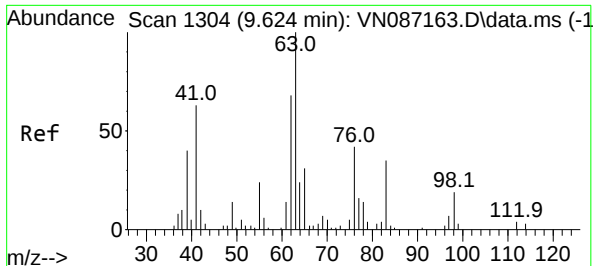
Ion Ratio Lower Upper

83 100

55 72.9 40.1 120.2

98 50.6 24.4 73.2





#39

1,2-Dichloropropane

Concen: 16.921 ug/l

RT: 9.624 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA\_N

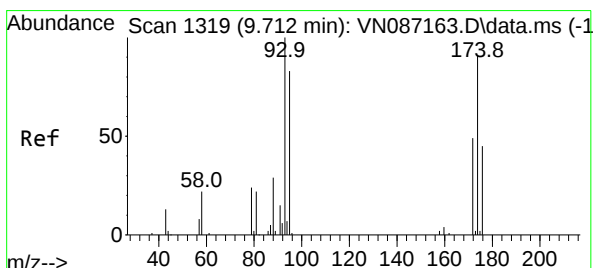
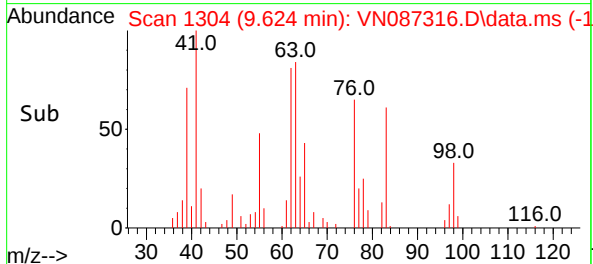
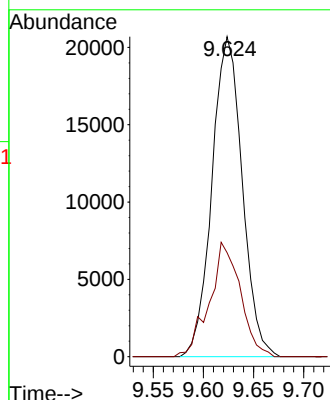
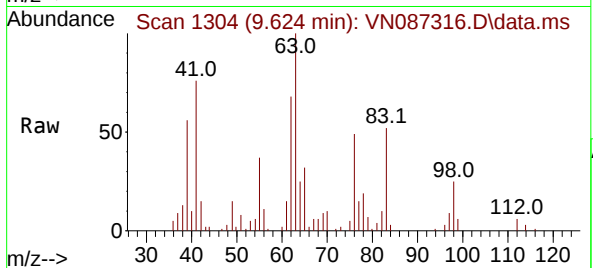
ClientSampleId :

Tgt Ion: 63 Resp: 43354

Ion Ratio Lower Upper

63 100

65 32.5 24.6 36.8



#40

Dibromomethane

Concen: 21.360 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

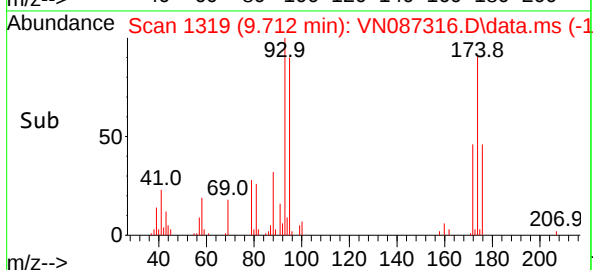
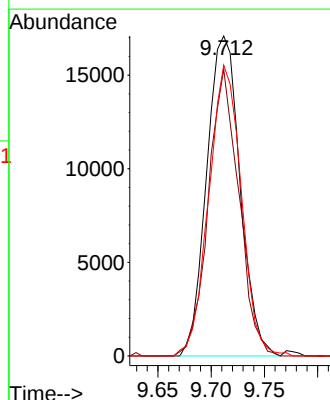
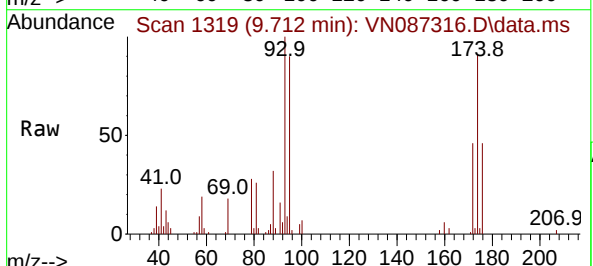
Tgt Ion: 93 Resp: 37213

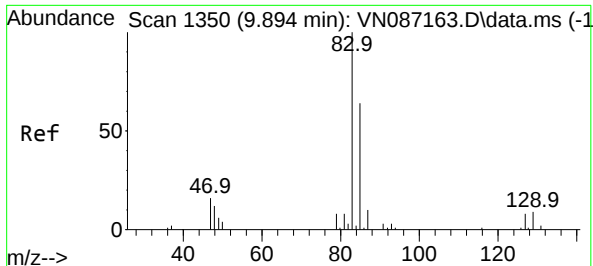
Ion Ratio Lower Upper

93 100

95 82.0 0.0 170.8

174 88.5 0.0 176.6

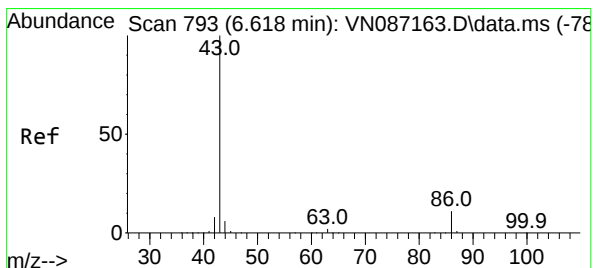
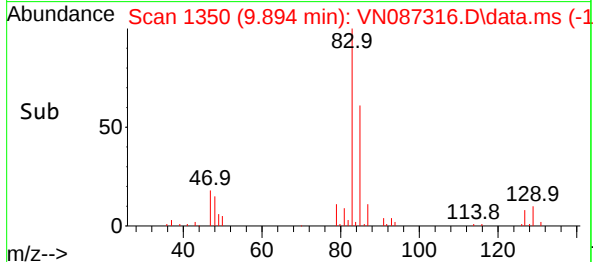
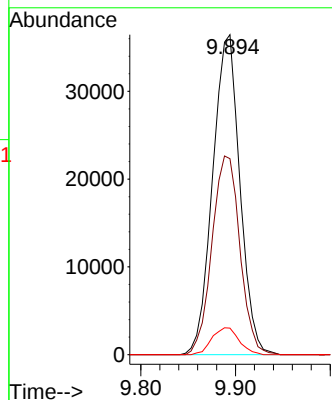
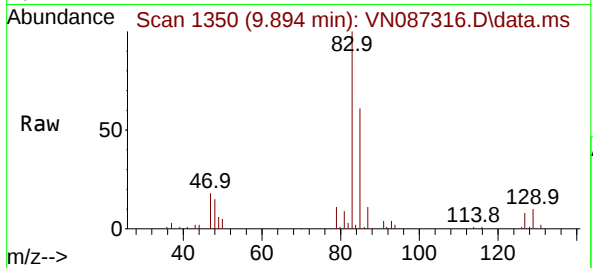




#41  
Bromodichloromethane  
Concen: 20.727 ug/l  
RT: 9.894 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

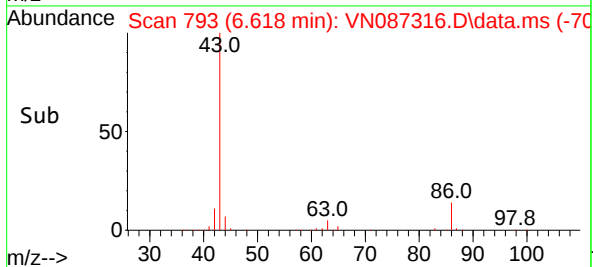
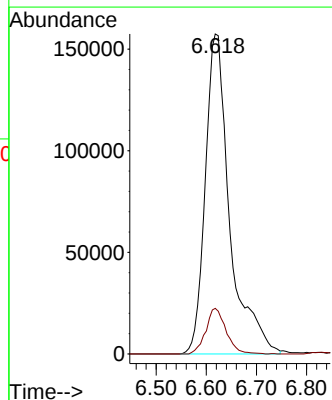
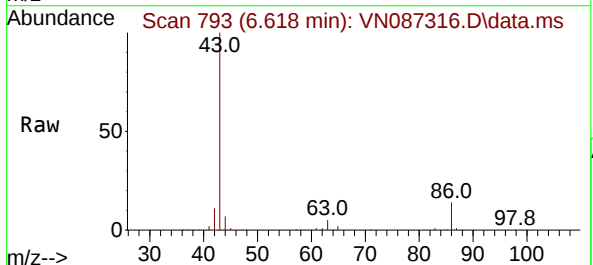
Instrument :  
MSVOA\_N  
ClientSampleId :

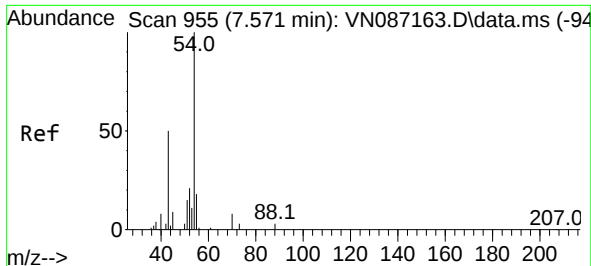
Tgt Ion: 83 Resp: 72887  
Ion Ratio Lower Upper  
83 100  
85 61.3 51.4 77.2  
127 8.3 6.1 9.1



#42  
Vinyl Acetate  
Concen: 75.521 ug/l  
RT: 6.618 min Scan# 793  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 43 Resp: 533888  
Ion Ratio Lower Upper  
43 100  
86 11.8 7.7 11.5#





#43

Ethyl Acetate

Concen: 17.786 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA\_N

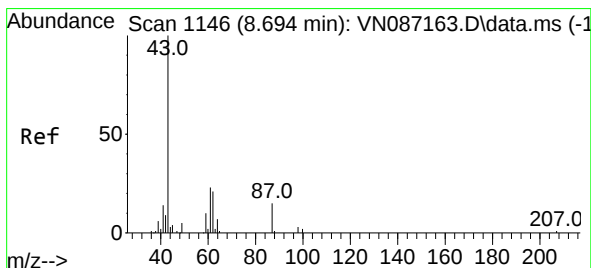
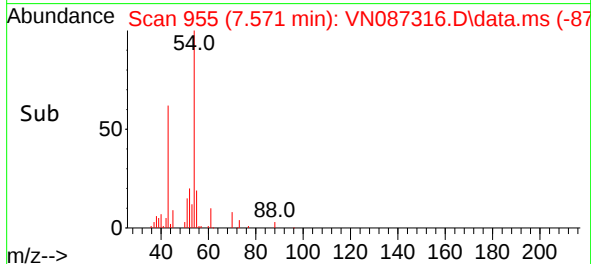
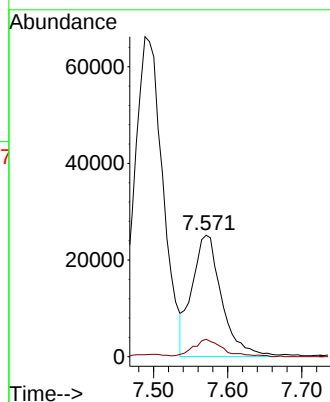
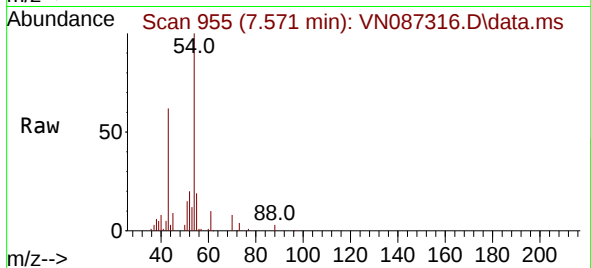
ClientSampleId :

Tgt Ion: 43 Resp: 69788

Ion Ratio Lower Upper

43 100

45 11.6 11.5 17.3



#44

Isopropyl Acetate

Concen: 16.014 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN087316.D

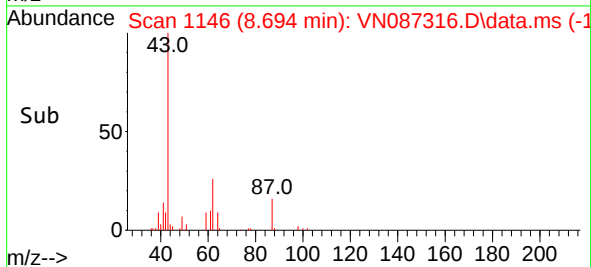
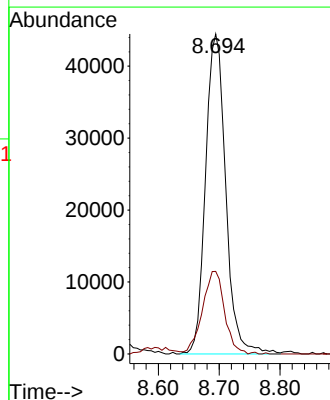
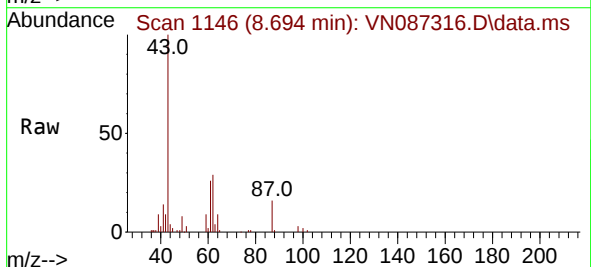
Acq: 10 Jul 2025 10:41

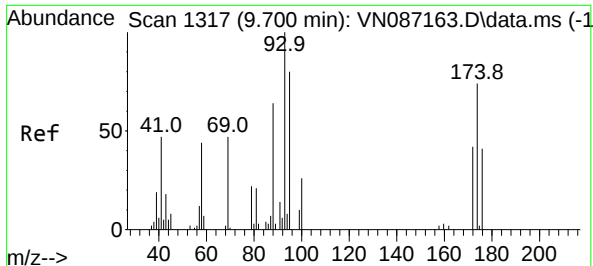
Tgt Ion: 43 Resp: 102377

Ion Ratio Lower Upper

43 100

61 28.2 20.5 30.7





#45

1,4-Dioxane

Concen: 344.807 ug/l

RT: 9.706 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA\_N

ClientSampleId :

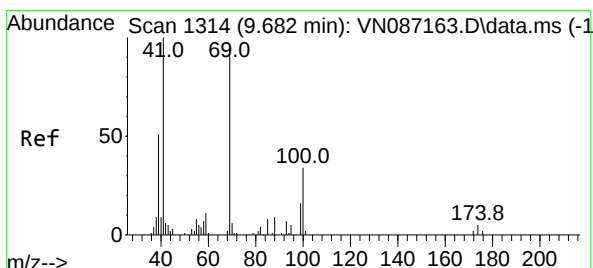
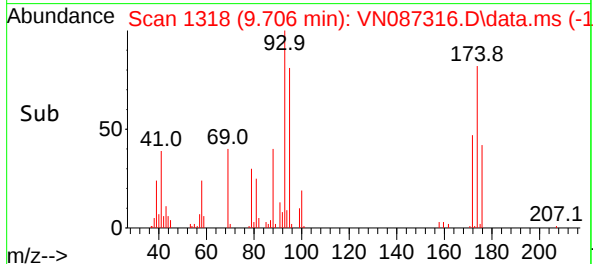
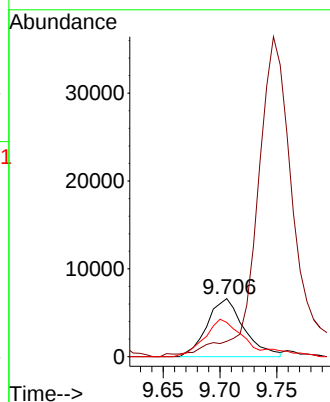
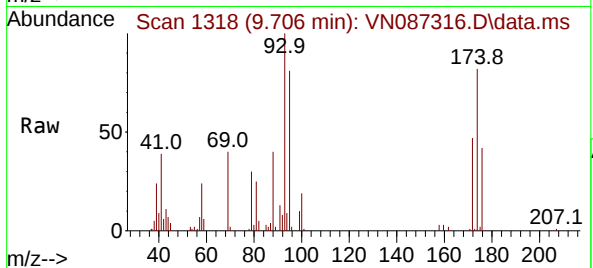
Tgt Ion: 88 Resp: 14911

Ion Ratio Lower Upper

88 100

43 1.5 21.3 31.9#

58 63.8 61.7 92.5



#46

Methyl methacrylate

Concen: 14.229 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

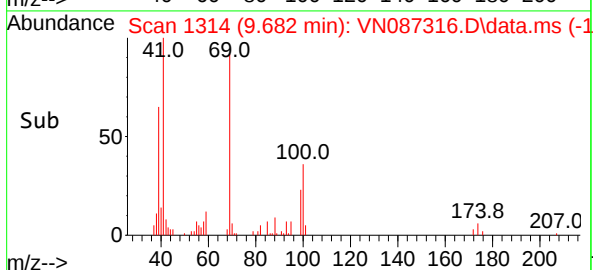
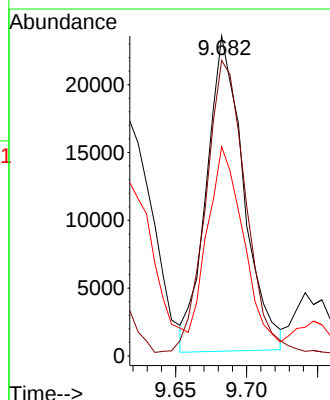
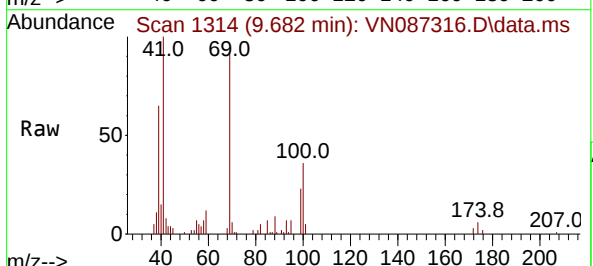
Tgt Ion: 41 Resp: 42288

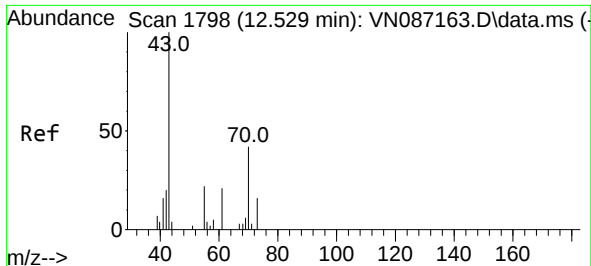
Ion Ratio Lower Upper

41 100

69 95.5 45.6 136.9

39 66.5 26.2 78.5

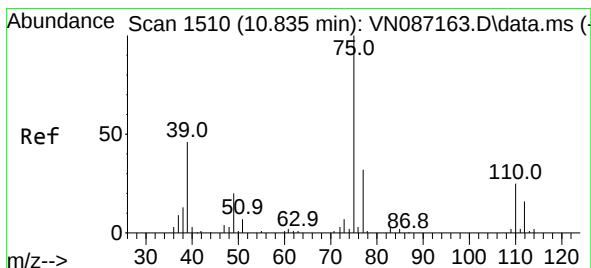
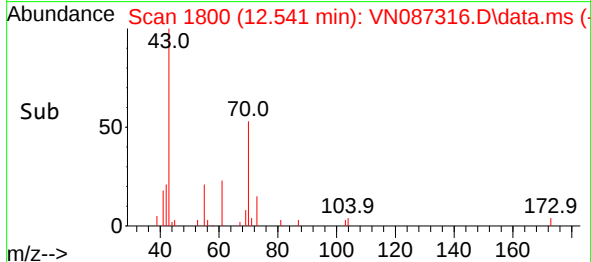
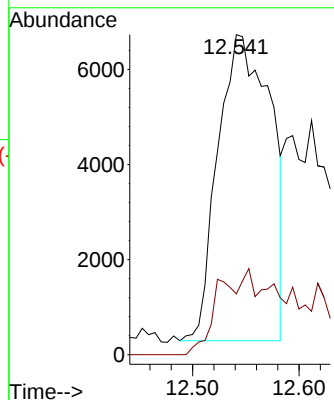
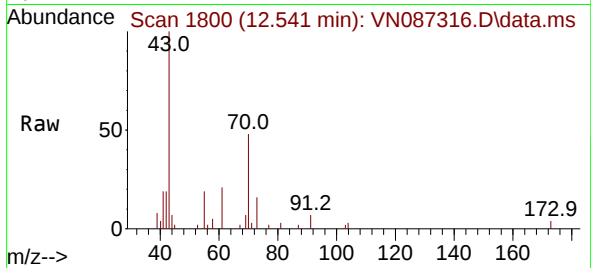




#47  
n-amy1 Acetate  
Concen: 5.672 ug/l  
RT: 12.541 min Scan# 1798  
Delta R.T. 0.012 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

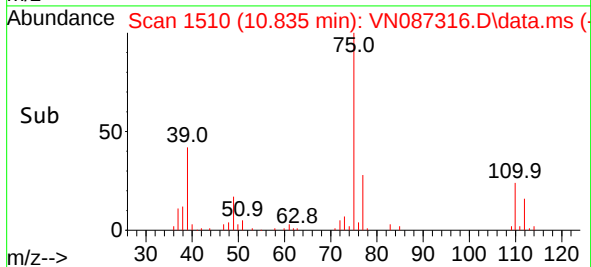
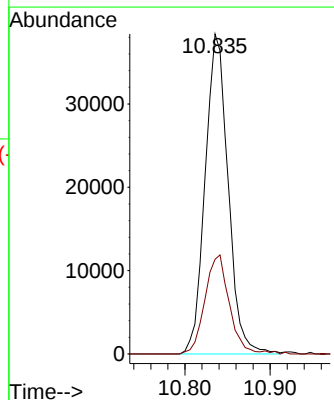
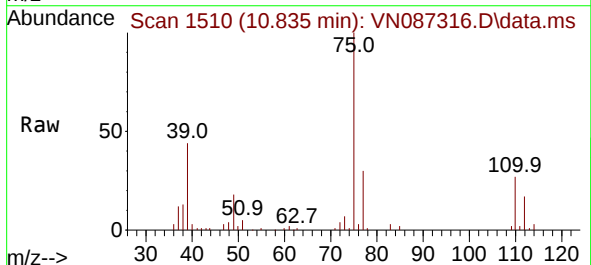
Instrument :  
MSVOA\_N  
ClientSampleId :

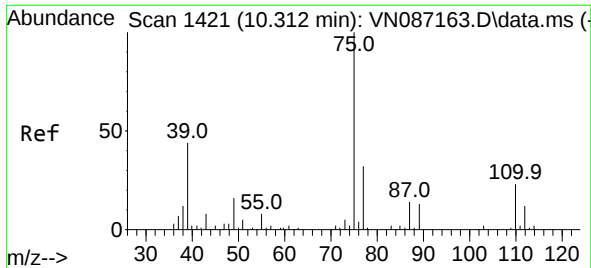
Tgt Ion: 43 Resp: 22167  
Ion Ratio Lower Upper  
43 100  
55 2.3 0.0 0.0#



#48  
t-1,3-Dichloropropene  
Concen: 18.366 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 75 Resp: 71998  
Ion Ratio Lower Upper  
75 100  
77 29.6 25.4 38.0

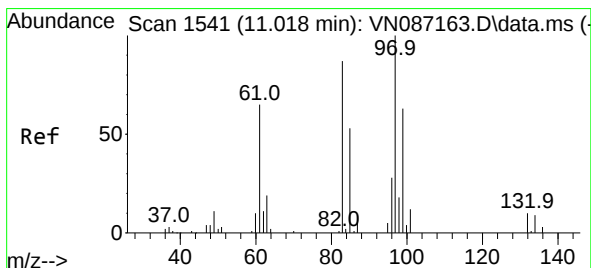
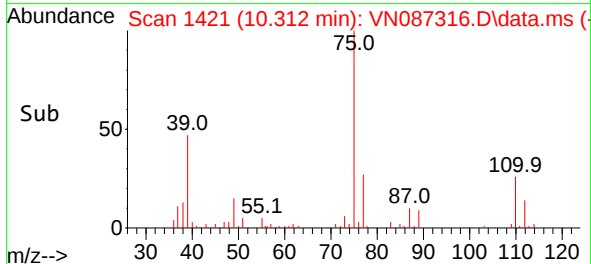
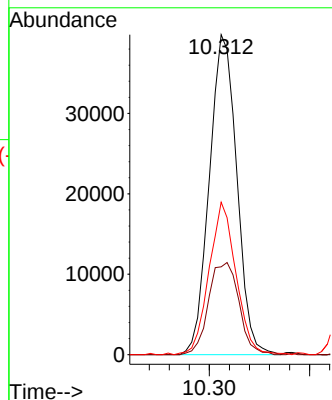
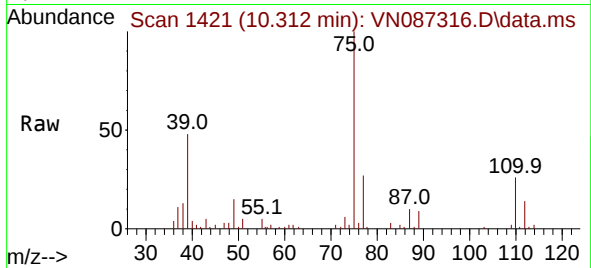




#49  
 cis-1,3-Dichloropropene  
 Concen: 18.187 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. -0.000 min  
 Lab File: VN087316.D  
 Acq: 10 Jul 2025 10:41

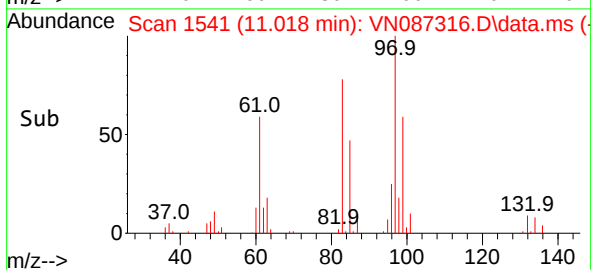
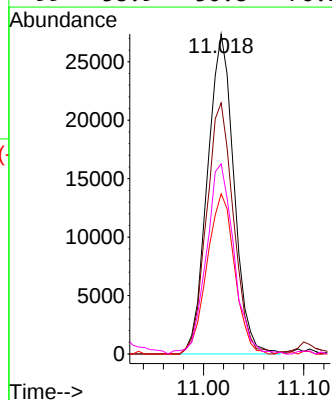
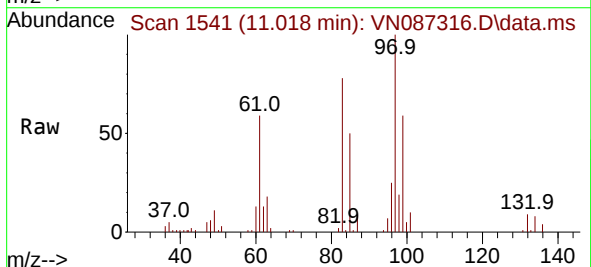
Instrument :  
 MSVOA\_N  
 ClientSampleId :

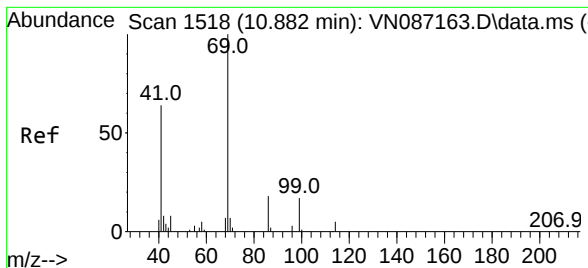
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 75792 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 27.5  | 25.4  | 38.2  |
| 39       | 47.2  | 35.3  | 52.9  |



#50  
 1,1,2-Trichloroethane  
 Concen: 20.367 ug/l  
 RT: 11.018 min Scan# 1541  
 Delta R.T. 0.000 min  
 Lab File: VN087316.D  
 Acq: 10 Jul 2025 10:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 50405 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 78.4  | 69.6  | 104.4 |
| 85       | 50.0  | 42.0  | 63.0  |
| 99       | 58.9  | 50.8  | 76.2  |

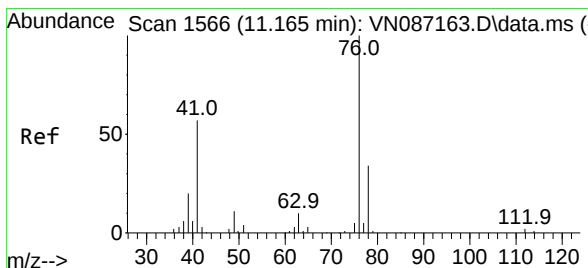
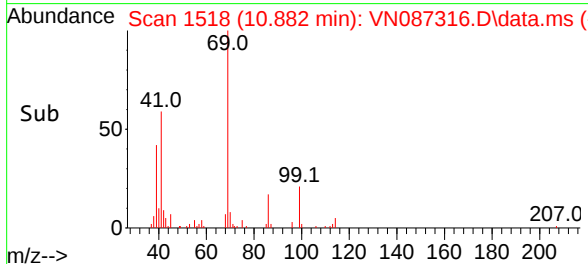
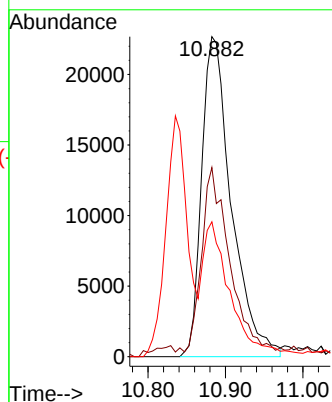
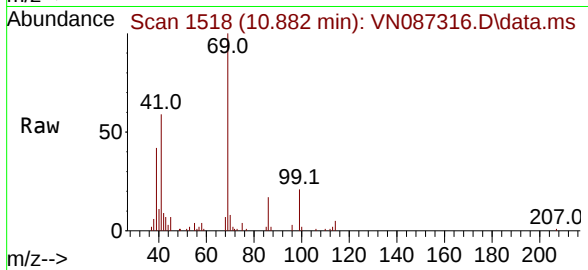




#51  
Ethyl methacrylate  
Concen: 16.060 ug/l  
RT: 10.882 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

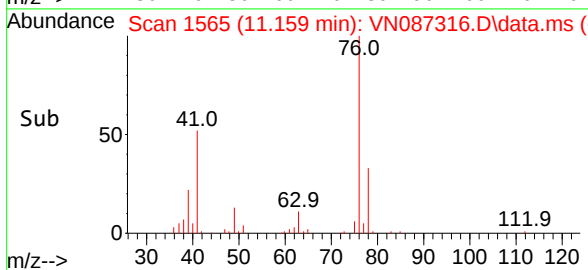
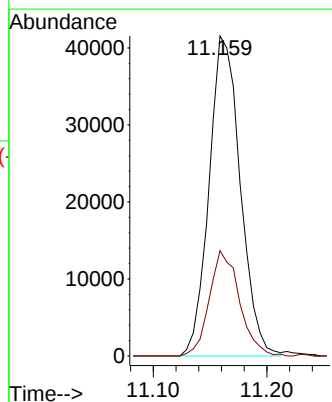
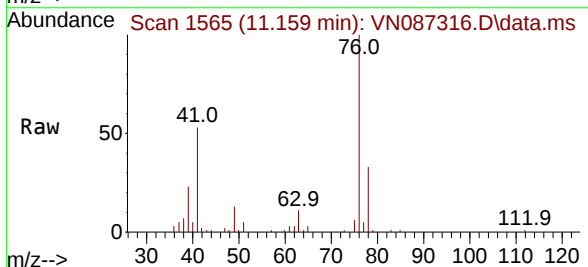
Instrument :  
MSVOA\_N  
ClientSampleId :

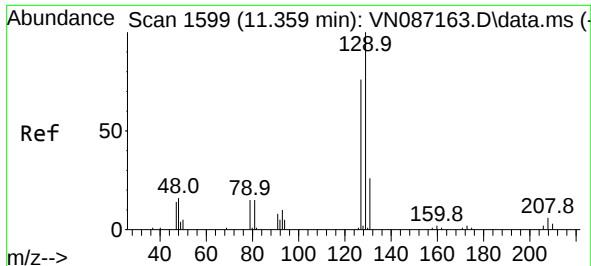
Tgt Ion: 69 Resp: 60493  
Ion Ratio Lower Upper  
69 100  
41 56.4 31.8 95.3  
39 39.5 15.3 45.8



#52  
1,3-Dichloropropane  
Concen: 18.677 ug/l  
RT: 11.159 min Scan# 1565  
Delta R.T. -0.006 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 76 Resp: 79354  
Ion Ratio Lower Upper  
76 100  
78 31.7 0.0 63.0

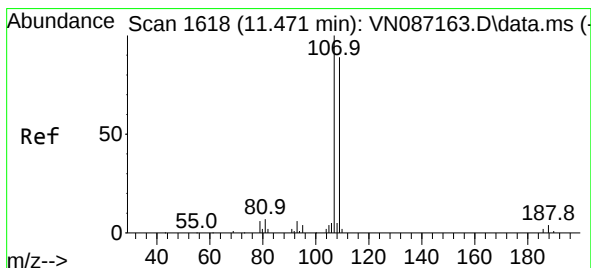
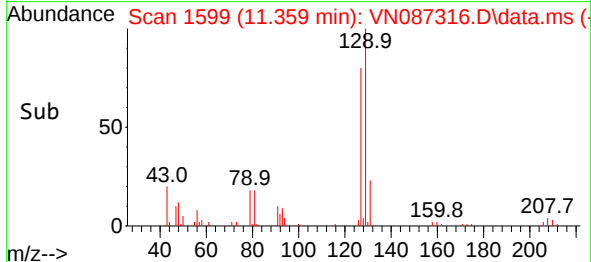
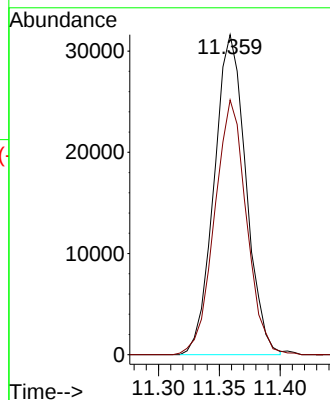
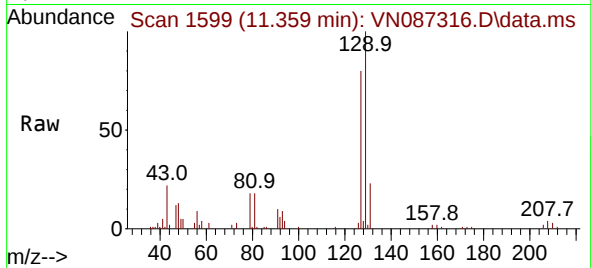




#53  
Dibromochloromethane  
Concen: 22.113 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

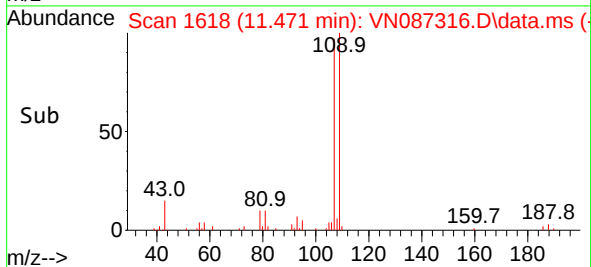
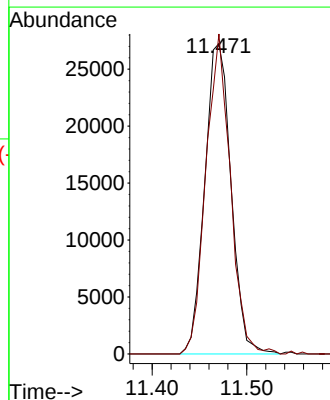
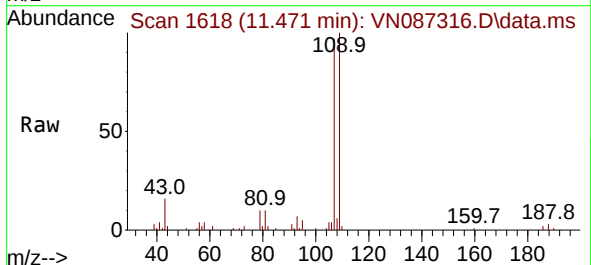
Instrument :  
MSVOA\_N  
ClientSampleId :

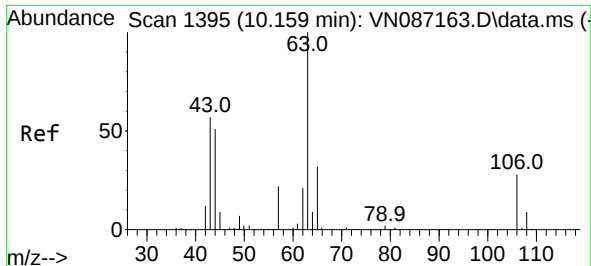
Tgt Ion:129 Resp: 57446  
Ion Ratio Lower Upper  
129 100  
127 79.9 39.6 118.8



#54  
1,2-Dibromoethane  
Concen: 20.627 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion:107 Resp: 52665  
Ion Ratio Lower Upper  
107 100  
109 95.3 73.5 110.3

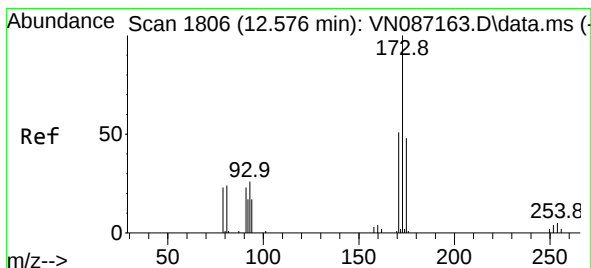
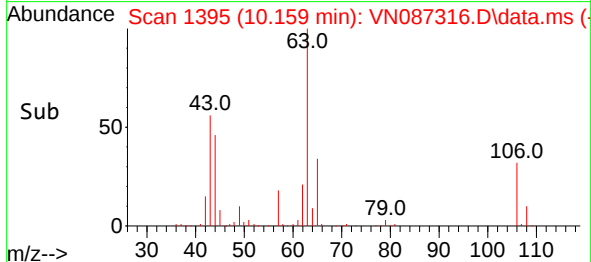
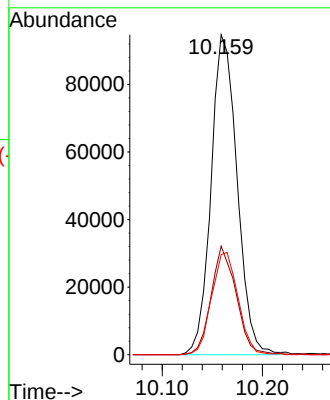
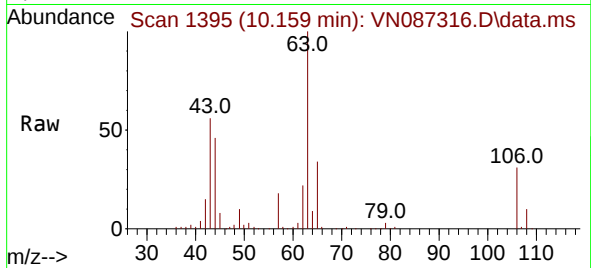




#55  
2-Chloroethyl vinyl ether  
Concen: 79.280 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

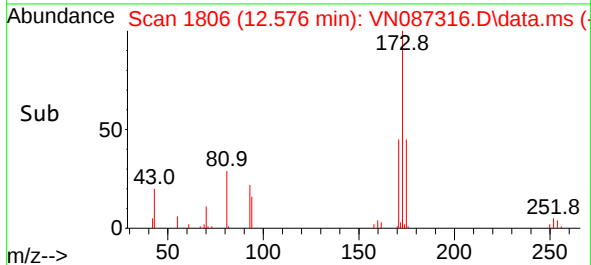
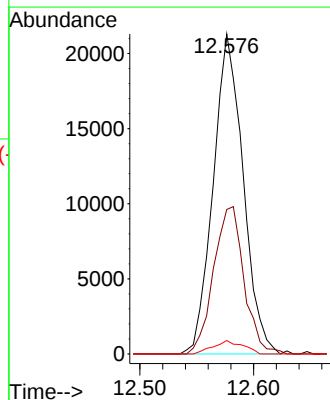
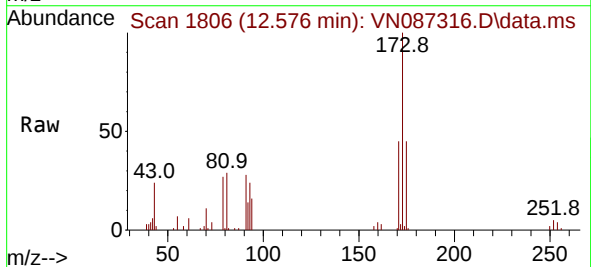
Instrument :  
MSVOA\_N  
ClientSampleId :

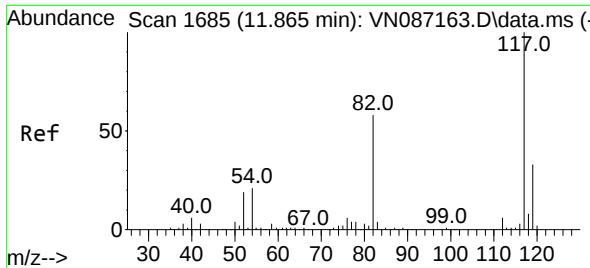
Tgt Ion: 63 Resp: 171171  
Ion Ratio Lower Upper  
63 100  
65 32.5 25.6 38.4  
106 32.4 21.9 32.9



#56  
Bromoform  
Concen: 21.788 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

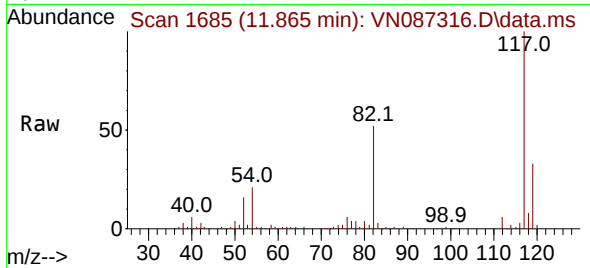
Tgt Ion:173 Resp: 38910  
Ion Ratio Lower Upper  
173 100  
175 46.8 38.7 58.1  
254 4.2 4.2 6.4#



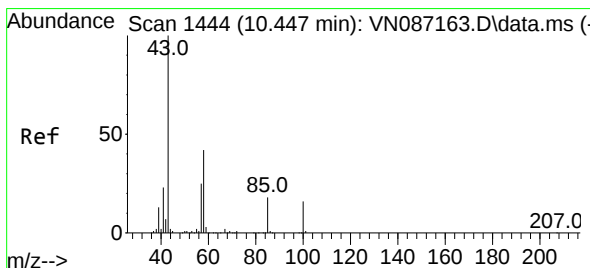
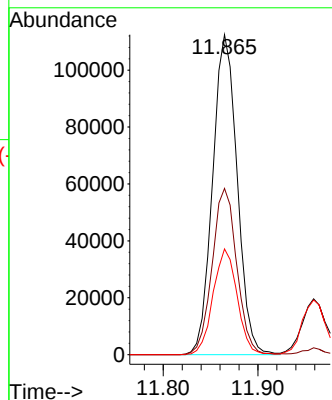
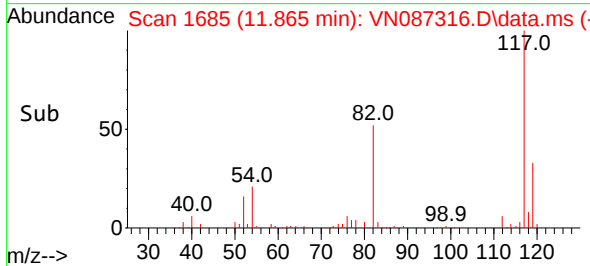


#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

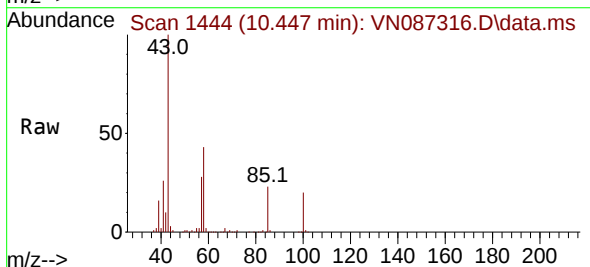
Instrument :  
MSVOA\_N  
ClientSampleId :



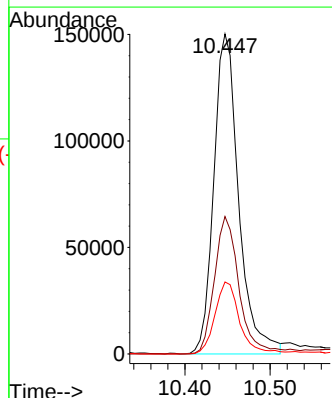
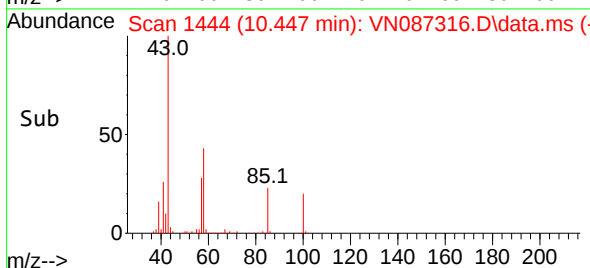
Tgt Ion:117 Resp: 202666  
Ion Ratio Lower Upper  
117 100  
82 52.2 45.4 68.2  
119 32.5 26.2 39.4

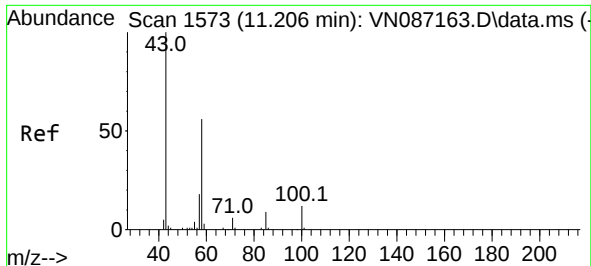


#58  
4-Methyl-2-Pentanone  
Concen: 74.861 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41



Tgt Ion: 43 Resp: 305007  
Ion Ratio Lower Upper  
43 100  
58 42.6 32.6 49.0  
85 21.9 14.6 22.0

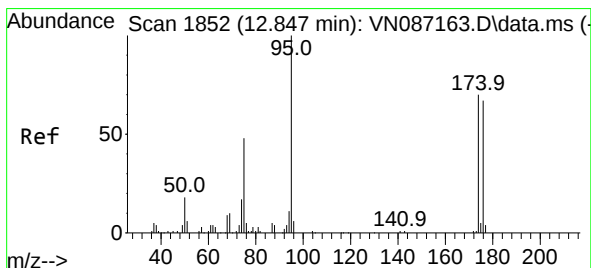
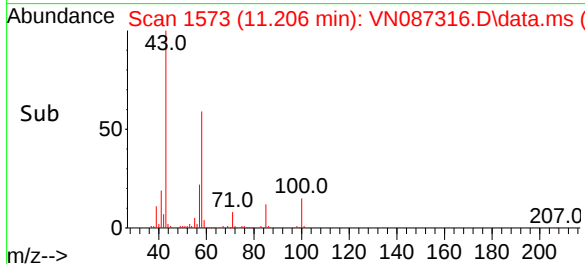
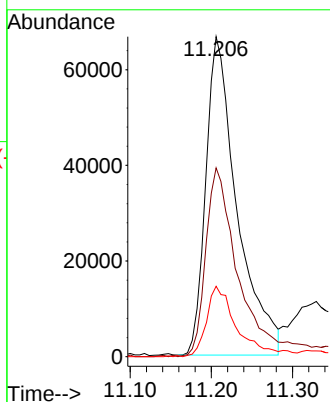
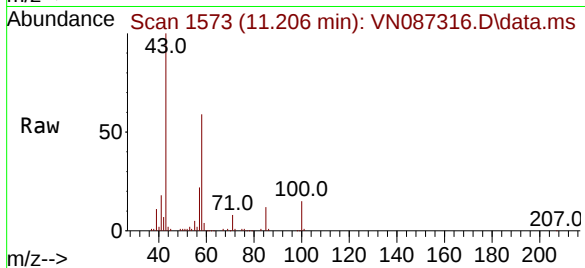




#59  
2-Hexanone  
Concen: 67.738 ug/l  
RT: 11.206 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

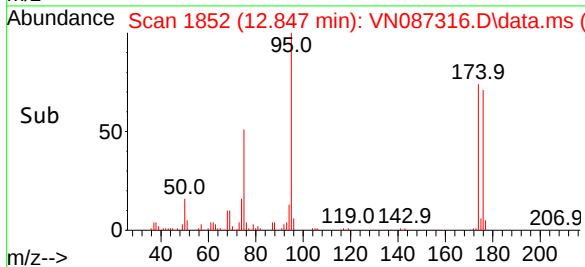
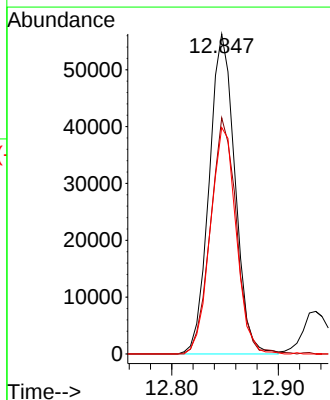
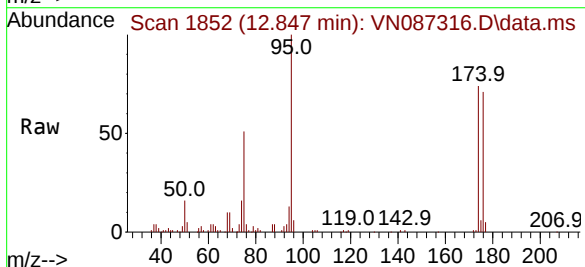
Instrument :  
MSVOA\_N  
ClientSampleId :

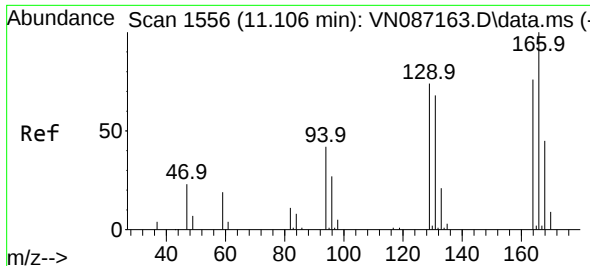
Tgt Ion: 43 Resp: 178213  
Ion Ratio Lower Upper  
43 100  
58 59.7 49.2 73.8  
57 21.0 15.3 22.9



#60  
4-Bromofluorobenzene  
Concen: 30.278 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

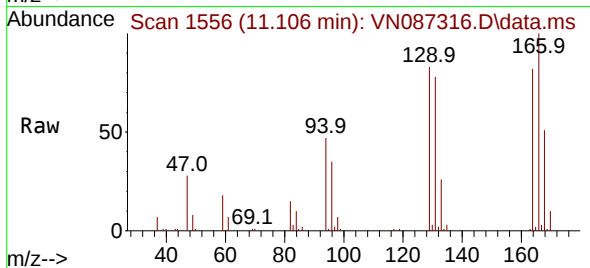
Tgt Ion: 95 Resp: 94690  
Ion Ratio Lower Upper  
95 100  
174 73.4 54.5 81.7  
176 71.0 51.9 77.9



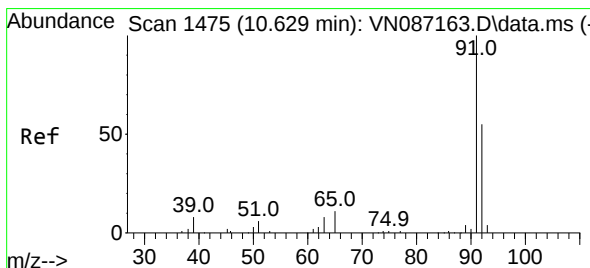
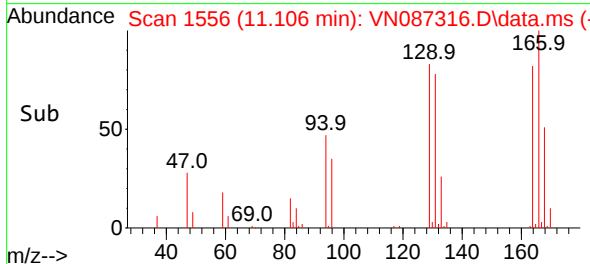
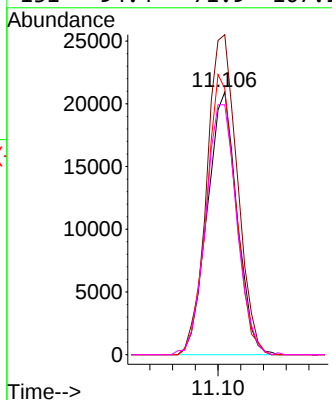


#61  
Tetrachloroethene  
Concen: 18.914 ug/l  
RT: 11.106 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Instrument :  
MSVOA\_N  
ClientSampleId :

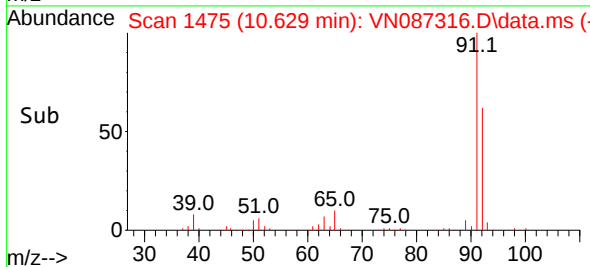
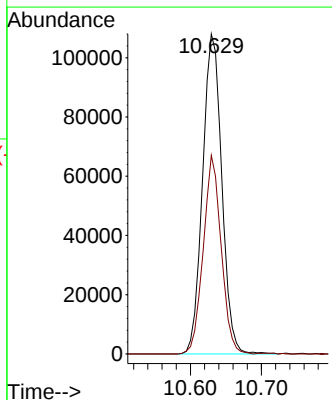
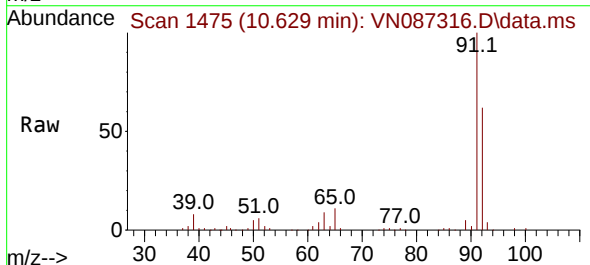


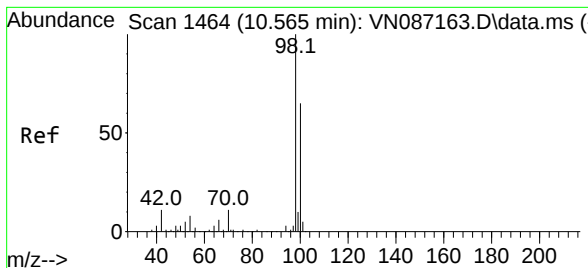
Tgt Ion:164 Resp: 37960  
Ion Ratio Lower Upper  
164 100  
166 121.9 105.4 158.2  
129 101.4 77.9 116.9  
131 94.4 71.9 107.9



#62  
Toluene  
Concen: 17.754 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 91 Resp: 203216  
Ion Ratio Lower Upper  
91 100  
92 57.9 45.8 68.8





#63

Toluene-d8

Concen: 28.714 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA\_N

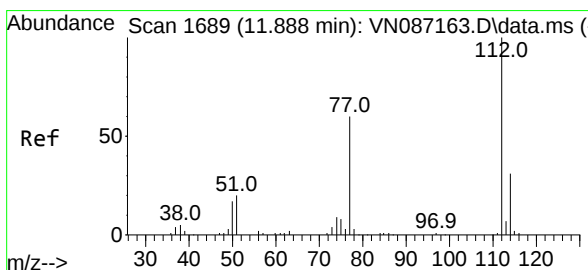
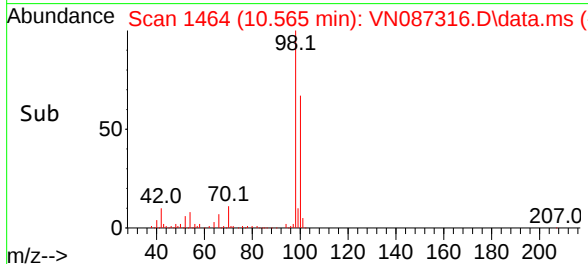
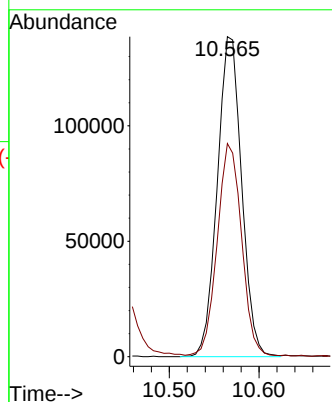
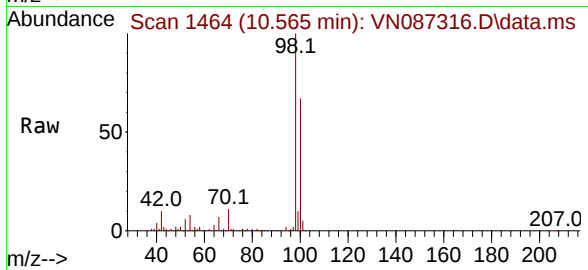
ClientSampleId :

Tgt Ion: 98 Resp: 261291

Ion Ratio Lower Upper

98 100

100 67.0 52.5 78.7



#64

Chlorobenzene

Concen: 19.178 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN087316.D

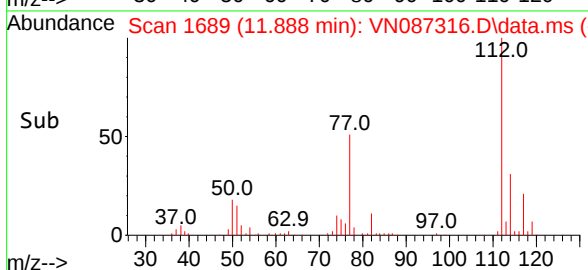
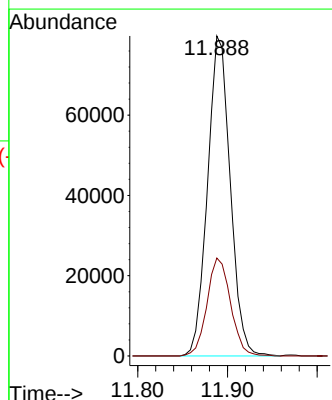
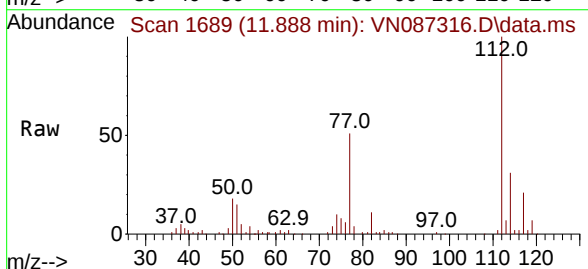
Acq: 10 Jul 2025 10:41

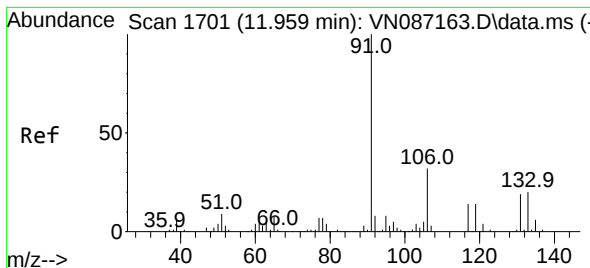
Tgt Ion: 112 Resp: 140028

Ion Ratio Lower Upper

112 100

114 30.6 25.0 37.4

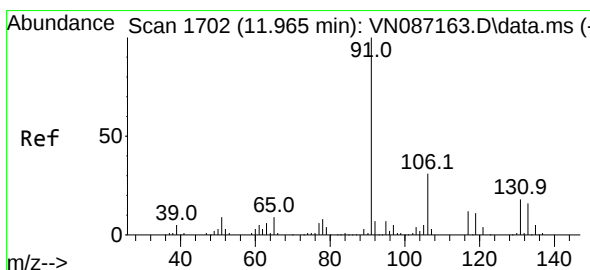
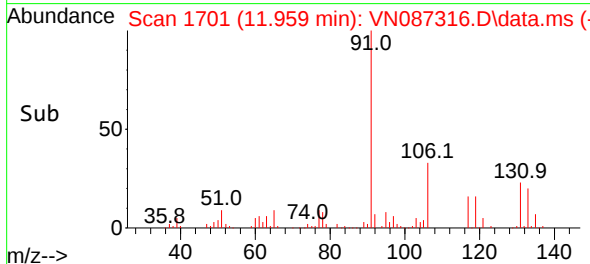
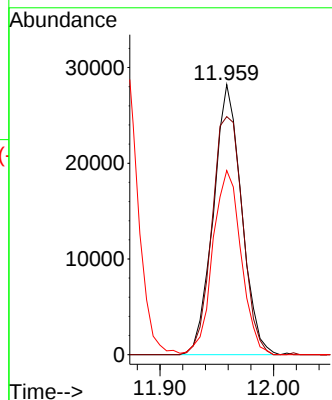
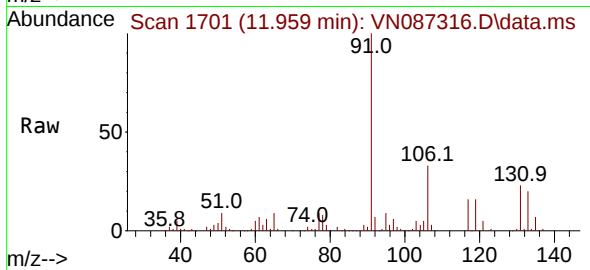




#65  
1,1,1,2-Tetrachloroethane  
Concen: 20.242 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

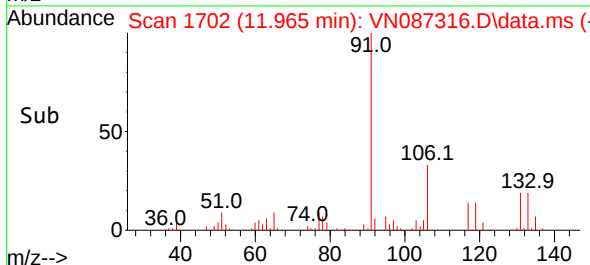
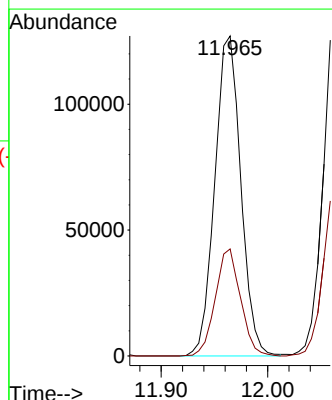
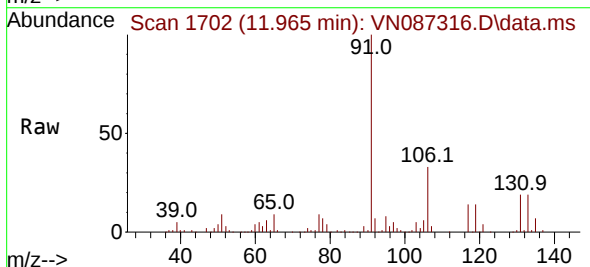
Instrument :  
MSVOA\_N  
ClientSampleId :

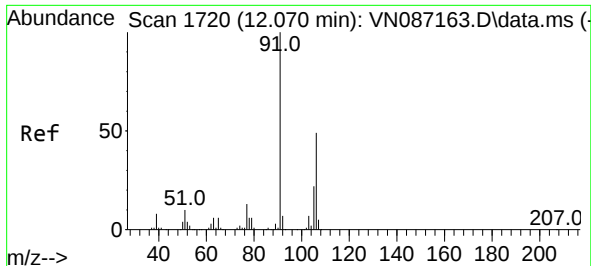
Tgt Ion:131 Resp: 48833  
Ion Ratio Lower Upper  
131 100  
133 95.8 0.0 187.8  
119 68.4 0.0 140.0



#66  
Ethyl Benzene  
Concen: 17.208 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 91 Resp: 215595  
Ion Ratio Lower Upper  
91 100  
106 33.4 24.8 37.2

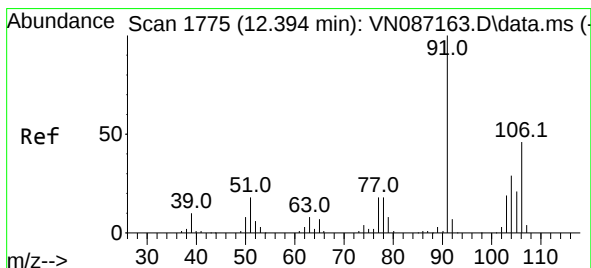
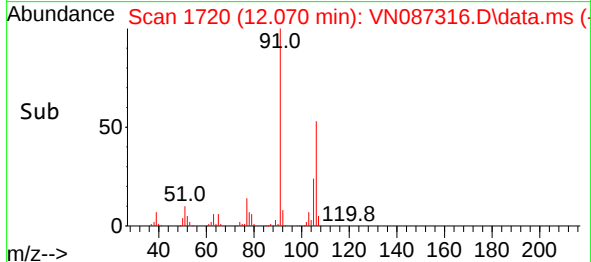
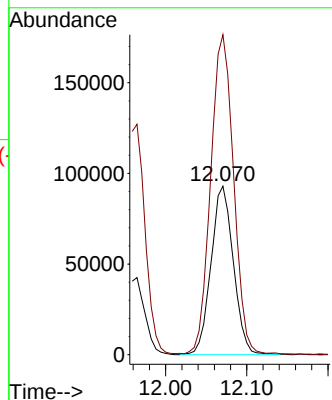
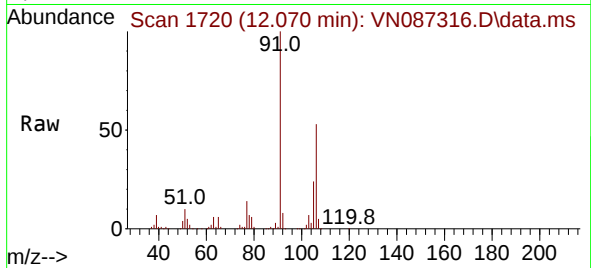




#67  
m/p-Xylenes  
Concen: 37.030 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

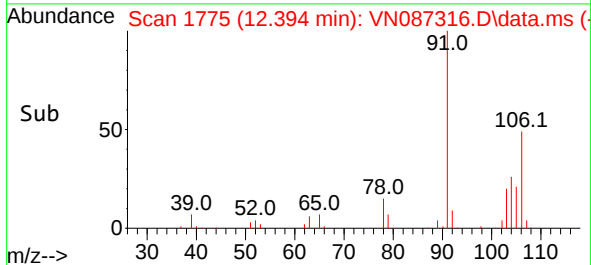
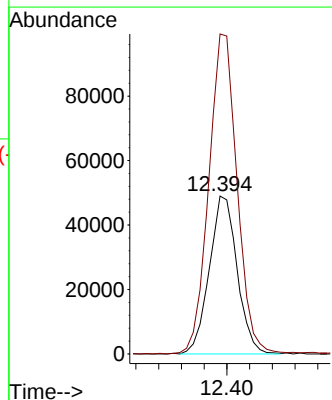
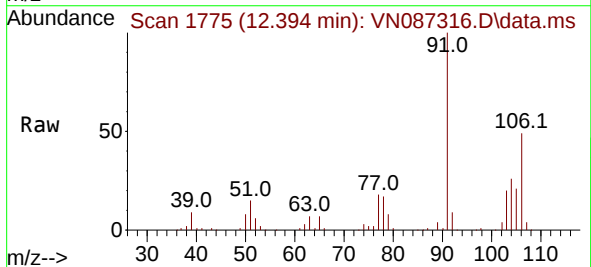
Instrument :  
MSVOA\_N  
ClientSampleId :

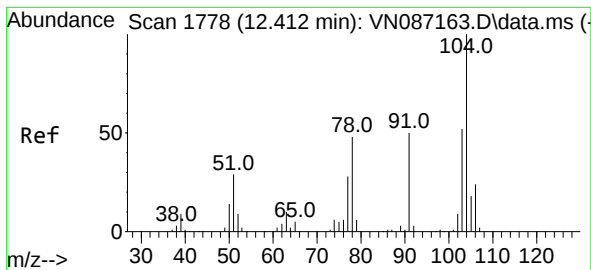
Tgt Ion:106 Resp: 177781  
Ion Ratio Lower Upper  
106 100  
91 194.7 163.0 244.4



#68  
o-Xylene  
Concen: 18.205 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion:106 Resp: 83384  
Ion Ratio Lower Upper  
106 100  
91 206.0 107.1 321.1





#69

Styrene

Concen: 18.348 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA\_N

ClientSampleId :

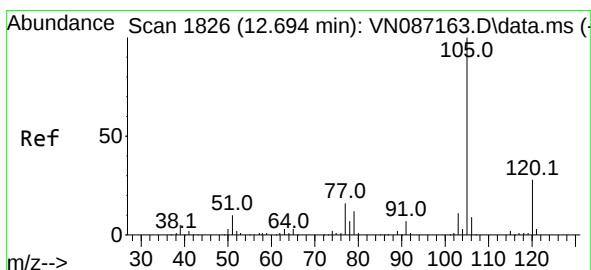
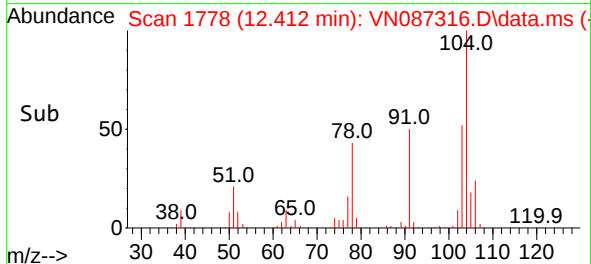
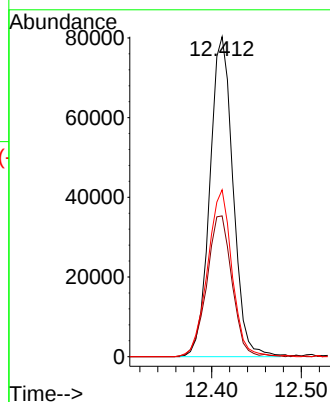
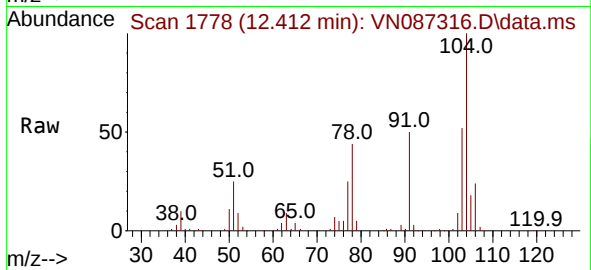
Tgt Ion:104 Resp: 144274

Ion Ratio Lower Upper

104 100

78 47.5 39.8 59.8

103 54.9 44.2 66.4



#70

Isopropylbenzene

Concen: 18.366 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN087316.D

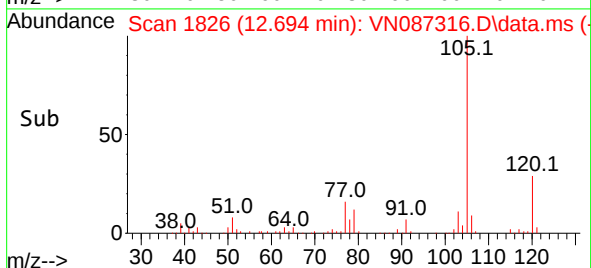
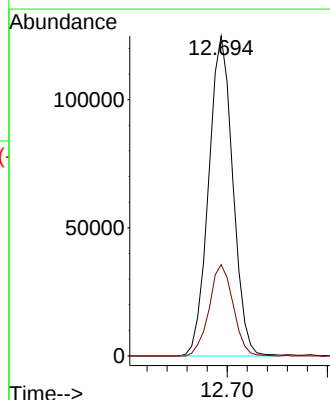
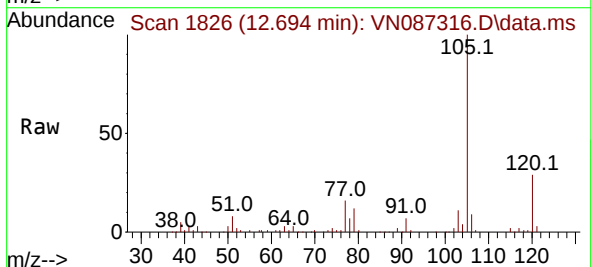
Acq: 10 Jul 2025 10:41

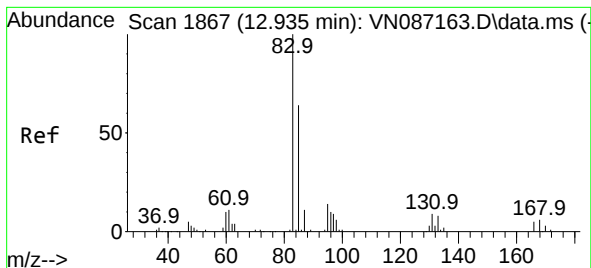
Tgt Ion:105 Resp: 209510

Ion Ratio Lower Upper

105 100

120 28.3 19.0 35.2

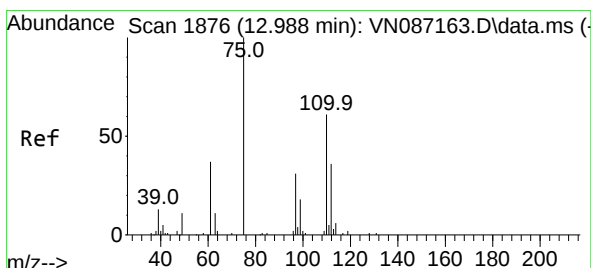
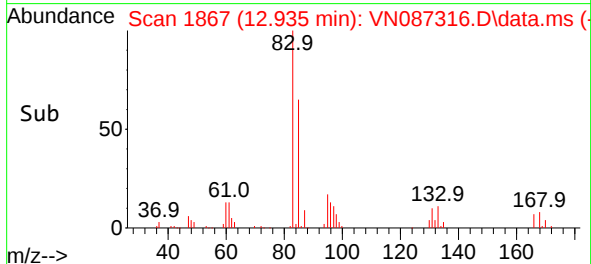
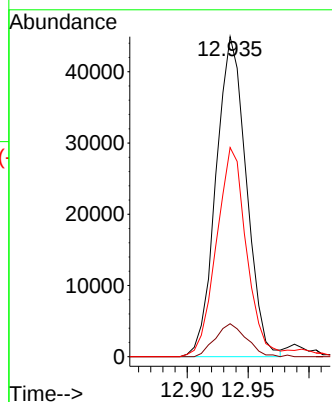
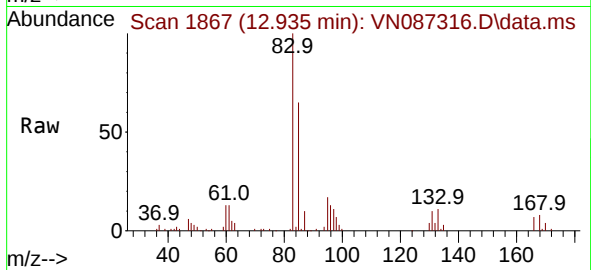




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 18.958 ug/l  
 RT: 12.935 min Scan# 1867  
 Delta R.T. -0.000 min  
 Lab File: VN087316.D  
 Acq: 10 Jul 2025 10:41

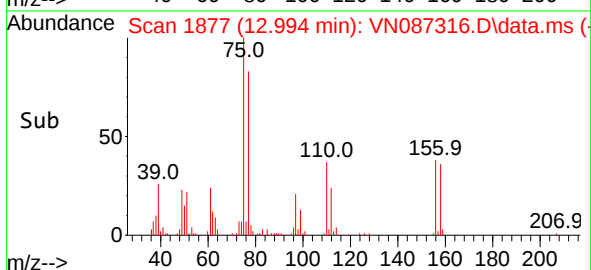
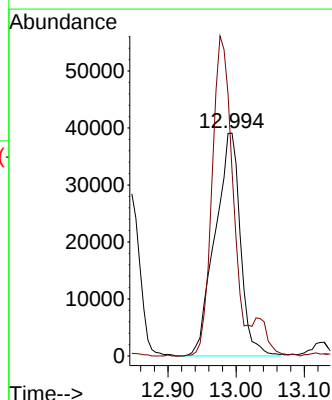
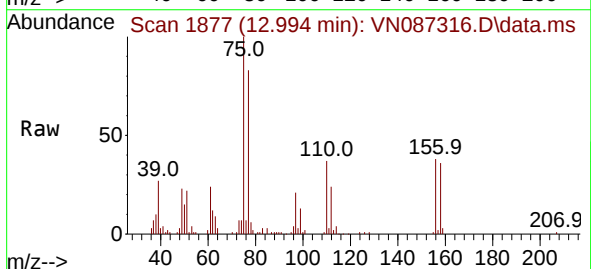
Instrument :  
 MSVOA\_N  
 ClientSampleId :

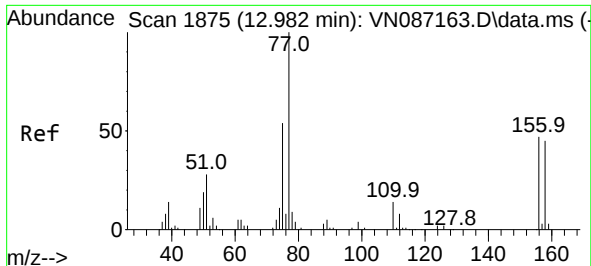
Tgt Ion: 83 Resp: 77841  
 Ion Ratio Lower Upper  
 83 100  
 131 10.5 4.5 13.4  
 85 64.7 31.3 93.9



#72  
 1,2,3-Trichloropropane  
 Concen: 28.601 ug/l  
 RT: 12.994 min Scan# 1877  
 Delta R.T. 0.006 min  
 Lab File: VN087316.D  
 Acq: 10 Jul 2025 10:41

Tgt Ion: 75 Resp: 101271  
 Ion Ratio Lower Upper  
 75 100  
 77 114.5 0.0 379.2

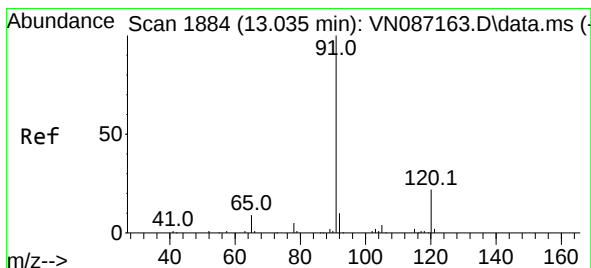
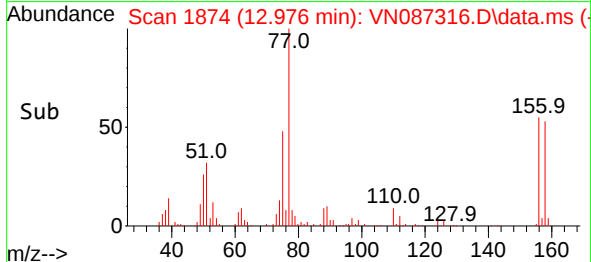
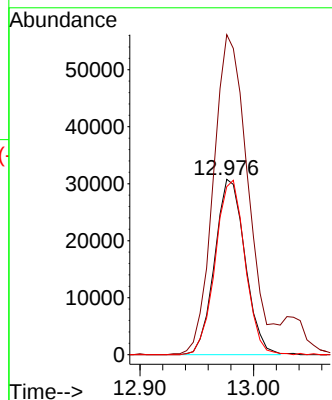
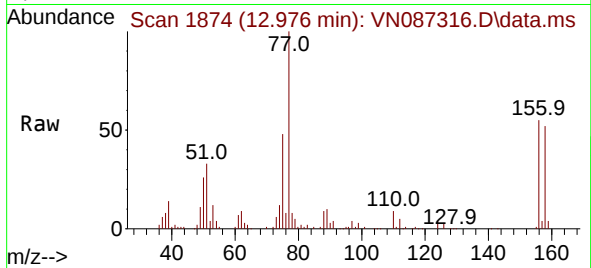




#73  
Bromobenzene  
Concen: 20.642 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.006 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

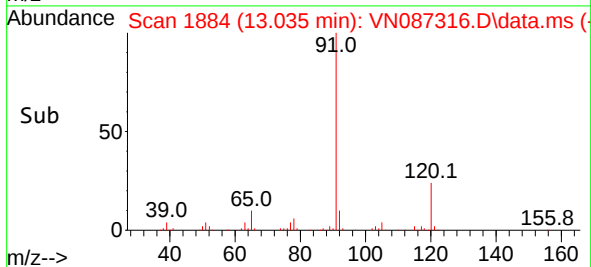
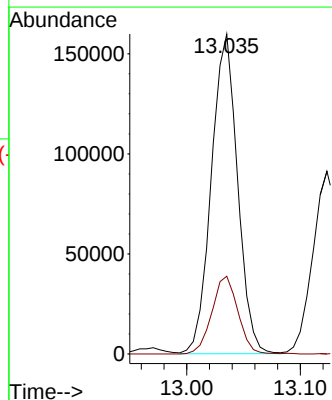
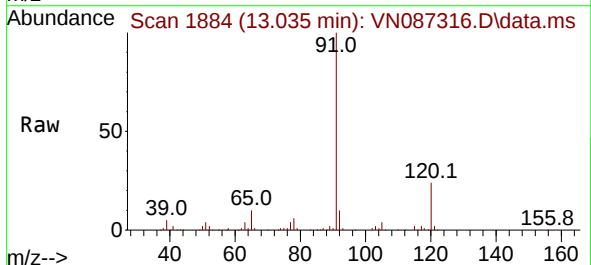
Instrument :  
MSVOA\_N  
ClientSampleId :

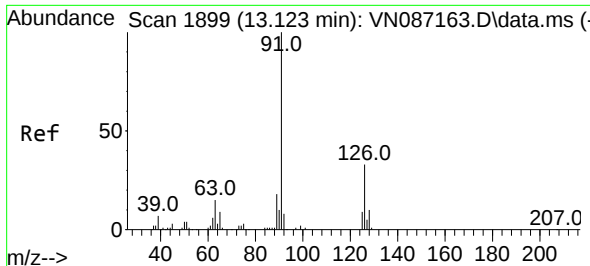
Tgt Ion:156 Resp: 57119  
Ion Ratio Lower Upper  
156 100  
77 203.0 0.0 489.0  
158 97.1 0.0 195.2



#74  
n-propylbenzene  
Concen: 18.397 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 91 Resp: 256386  
Ion Ratio Lower Upper  
91 100  
120 24.1 0.0 43.6

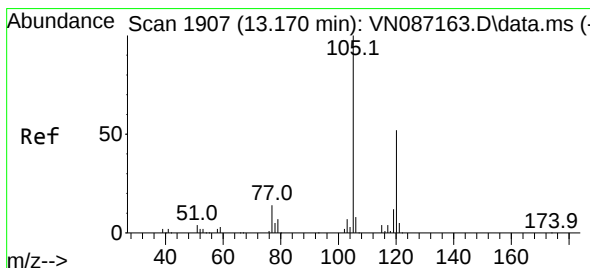
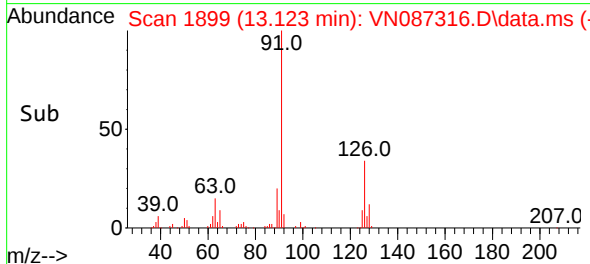
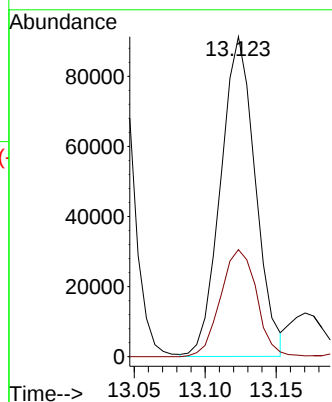
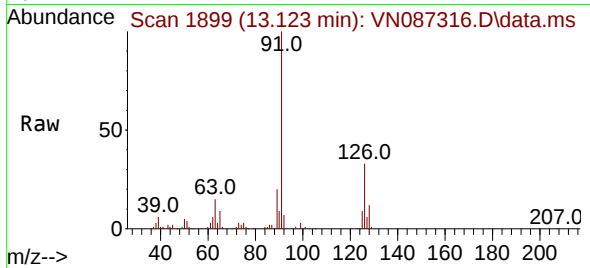




#75  
2-Chlorotoluene  
Concen: 18.454 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

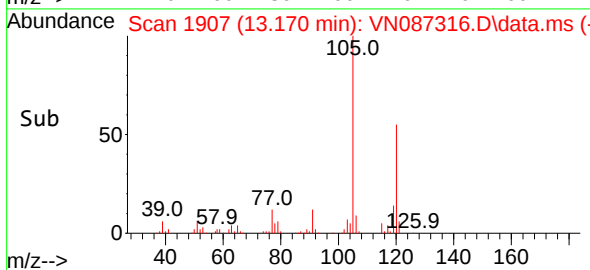
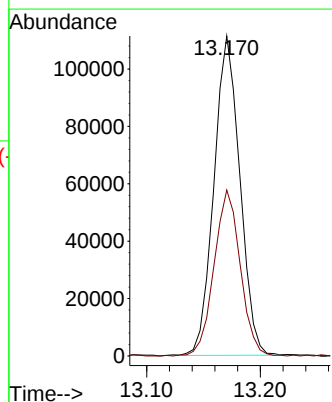
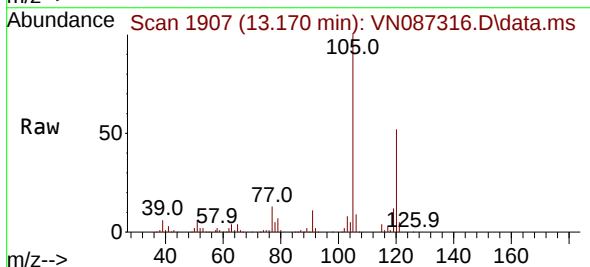
Instrument :  
MSVOA\_N  
ClientSampleId :

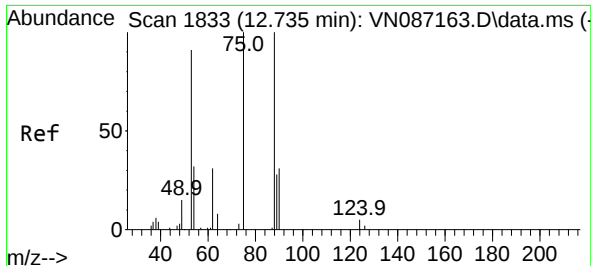
Tgt Ion: 91 Resp: 155373  
Ion Ratio Lower Upper  
91 100  
126 34.8 0.0 63.8



#76  
1,3,5-Trimethylbenzene  
Concen: 18.979 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion:105 Resp: 176246  
Ion Ratio Lower Upper  
105 100  
120 52.6 0.0 100.8

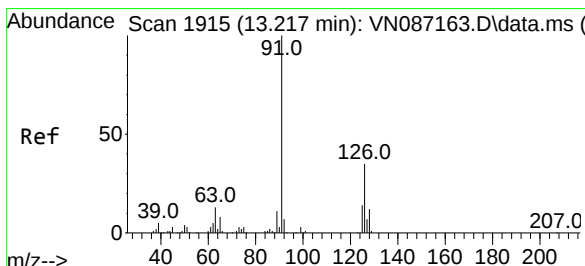
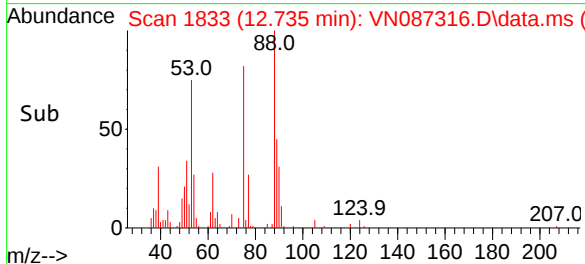
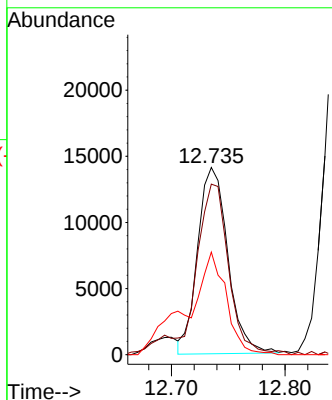
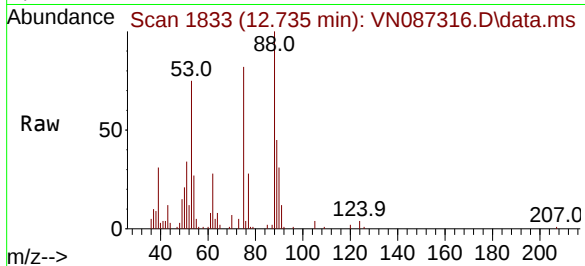




#77  
t-1,4-Dichloro-2-butene  
Concen: 16.581 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

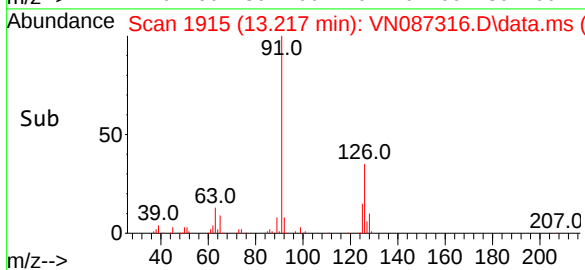
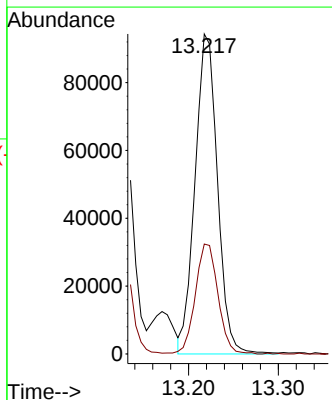
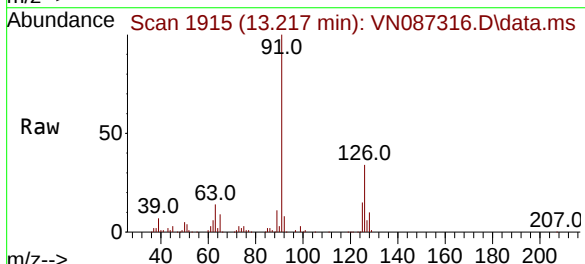
Instrument :  
MSVOA\_N  
ClientSampleId :

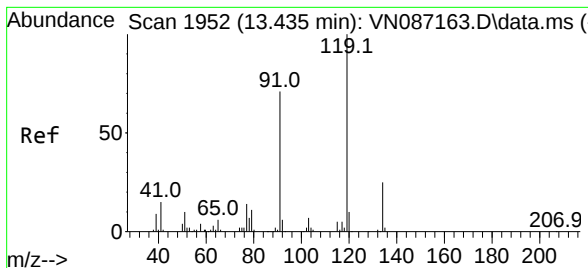
Tgt Ion: 75 Resp: 26042  
Ion Ratio Lower Upper  
75 100  
53 90.1 45.9 137.6  
89 55.5 22.3 66.9



#78  
4-Chlorotoluene  
Concen: 19.016 ug/l  
RT: 13.217 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 91 Resp: 163977  
Ion Ratio Lower Upper  
91 100  
126 34.6 0.0 65.2

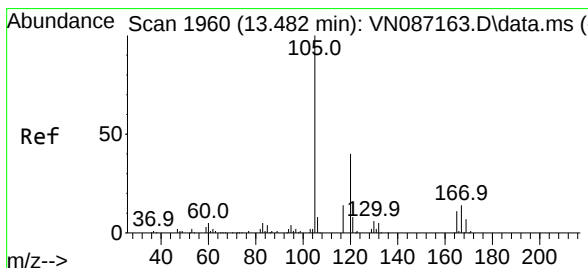
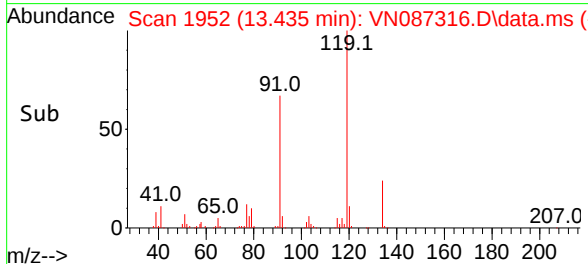
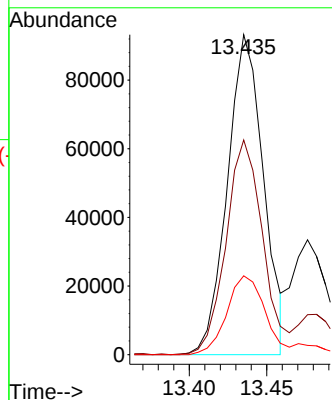
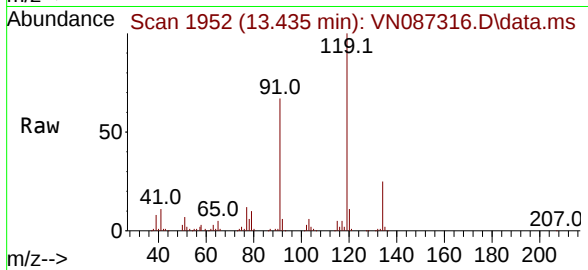




#79  
tert-butylbenzene  
Concen: 19.386 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

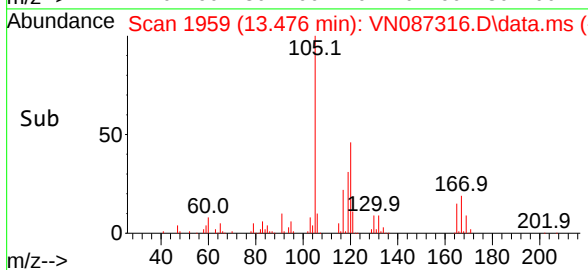
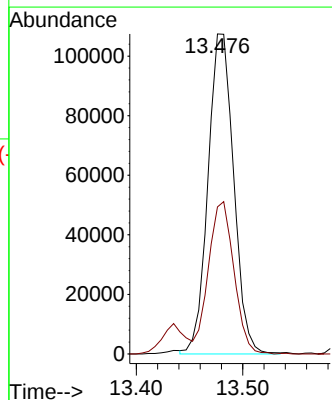
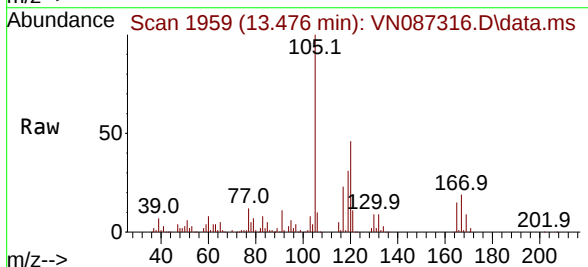
Instrument :  
MSVOA\_N  
ClientSampleId :

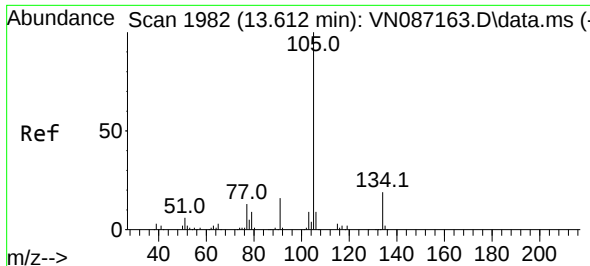
Tgt Ion:119 Resp: 151329  
Ion Ratio Lower Upper  
119 100  
91 68.3 0.0 137.0  
134 25.9 0.0 49.4



#80  
1,2,4-Trimethylbenzene  
Concen: 19.327 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. -0.006 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion:105 Resp: 180227  
Ion Ratio Lower Upper  
105 100  
120 47.2 0.0 94.0

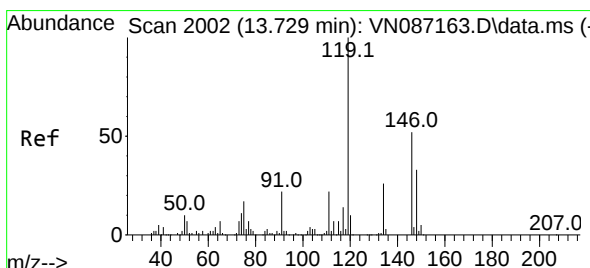
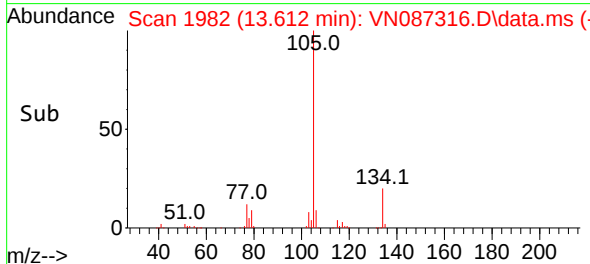
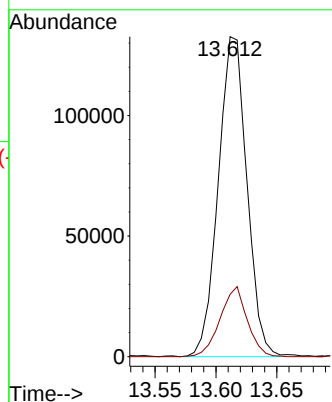
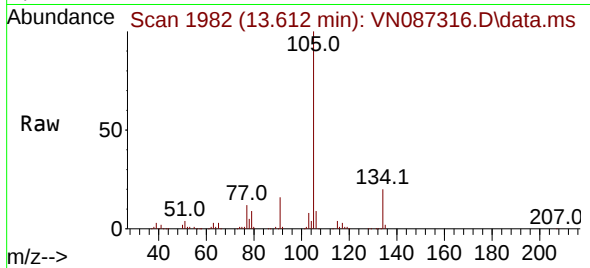




#81  
 sec-Butylbenzene  
 Concen: 19.132 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. 0.000 min  
 Lab File: VN087316.D  
 Acq: 10 Jul 2025 10:41

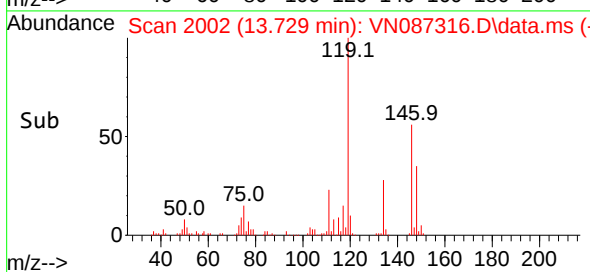
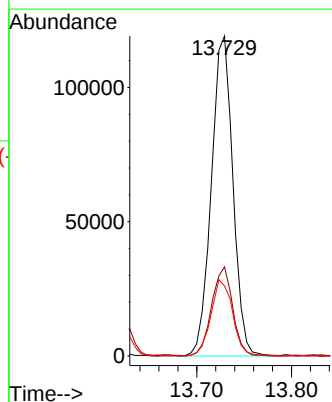
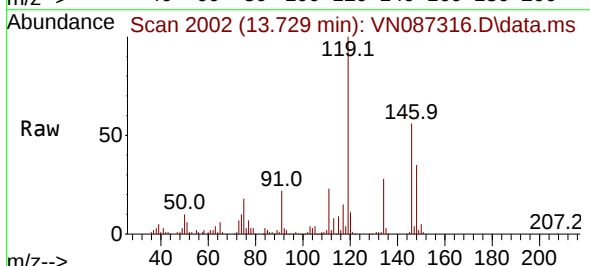
Instrument :  
 MSVOA\_N  
 ClientSampleId :

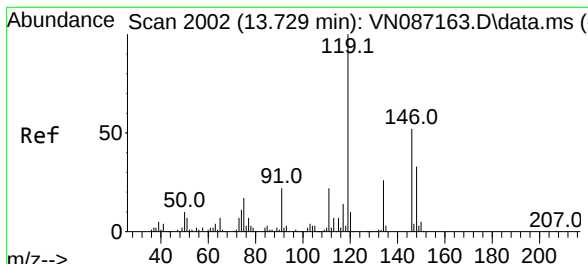
Tgt Ion:105 Resp: 217106  
 Ion Ratio Lower Upper  
 105 100  
 134 20.8 0.0 39.4



#82  
 p-Isopropyltoluene  
 Concen: 19.920 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. -0.000 min  
 Lab File: VN087316.D  
 Acq: 10 Jul 2025 10:41

Tgt Ion:119 Resp: 188117  
 Ion Ratio Lower Upper  
 119 100  
 134 27.1 0.0 51.2  
 91 24.1 0.0 46.4

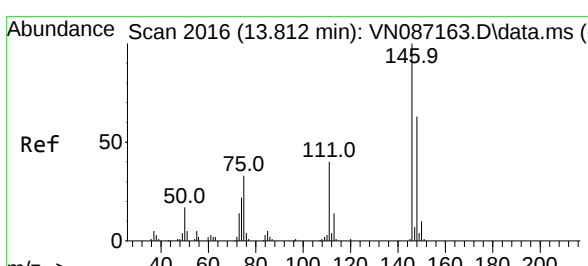
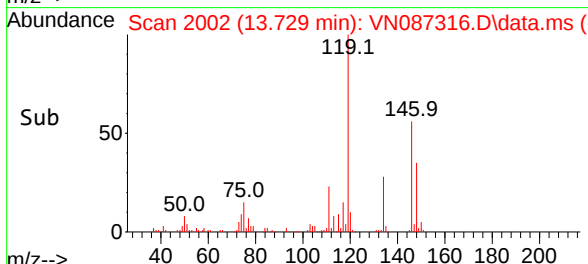
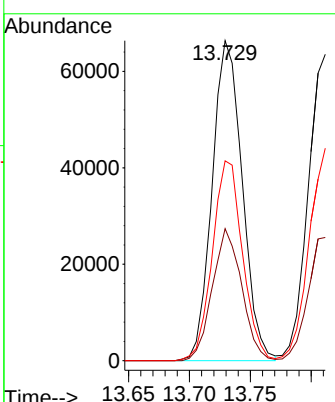
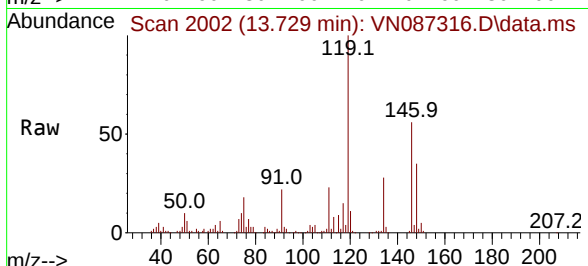




#83  
 1,3-Dichlorobenzene  
 Concen: 21.396 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. -0.000 min  
 Lab File: VN087316.D  
 Acq: 10 Jul 2025 10:41

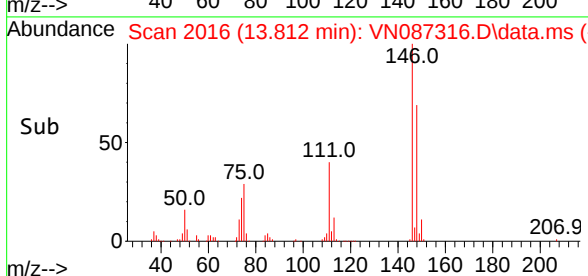
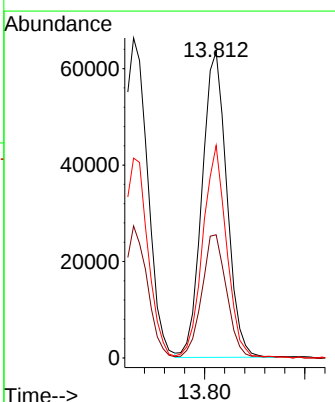
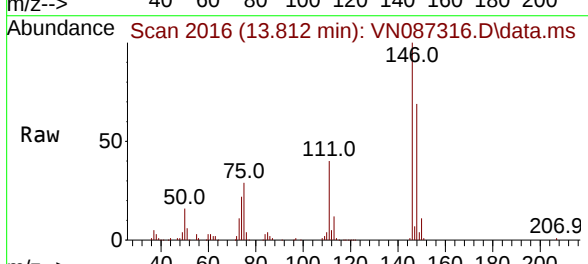
Instrument : MSVOA\_N  
 ClientSampleId :

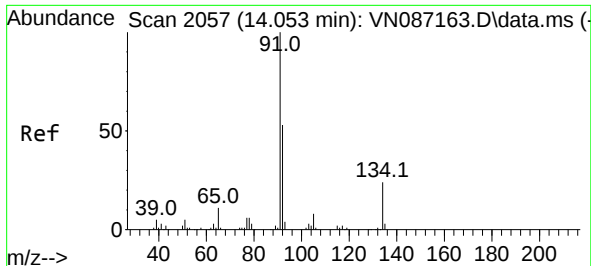
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 114011 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.3  | 21.1  | 63.3   |
| 148       | 62.7  | 31.6  | 94.8   |



#84  
 1,4-Dichlorobenzene  
 Concen: 20.281 ug/l  
 RT: 13.812 min Scan# 2016  
 Delta R.T. -0.000 min  
 Lab File: VN087316.D  
 Acq: 10 Jul 2025 10:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 108762 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.5  | 20.1  | 60.2   |
| 148       | 65.3  | 31.4  | 94.2   |

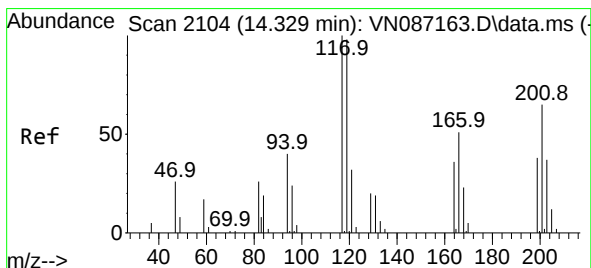
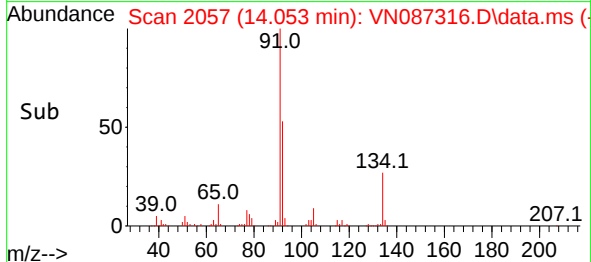
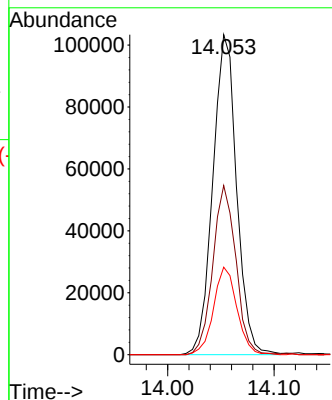
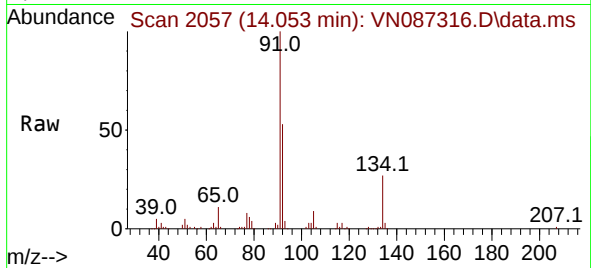




#85  
n-Butylbenzene  
Concen: 18.624 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

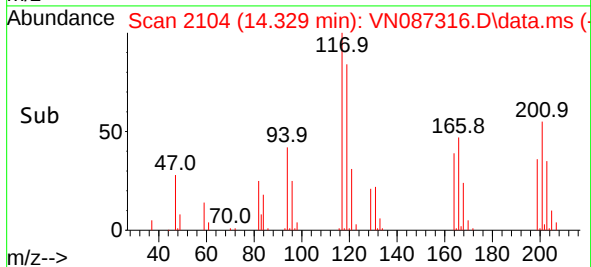
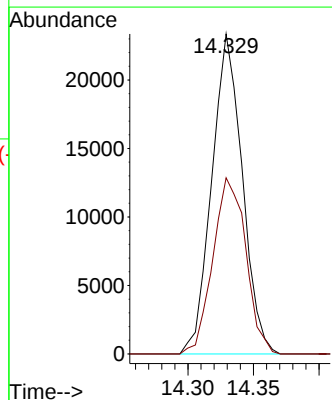
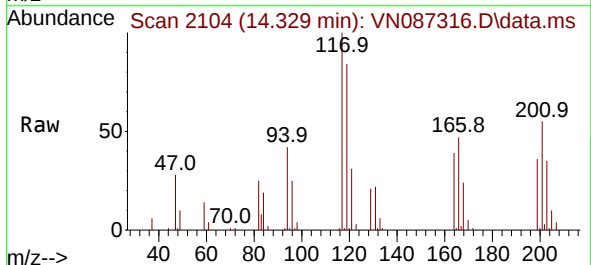
Instrument :  
MSVOA\_N  
ClientSampleId :

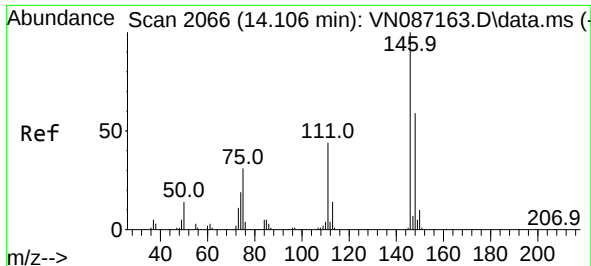
Tgt Ion: 91 Resp: 160463  
Ion Ratio Lower Upper  
91 100  
92 51.0 0.0 106.4  
134 26.9 0.0 48.8



#86  
Hexachloroethane  
Concen: 21.148 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion: 117 Resp: 37803  
Ion Ratio Lower Upper  
117 100  
201 59.4 30.8 92.3





#87

1,2-Dichlorobenzene

Concen: 21.467 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA\_N

ClientSampleId :

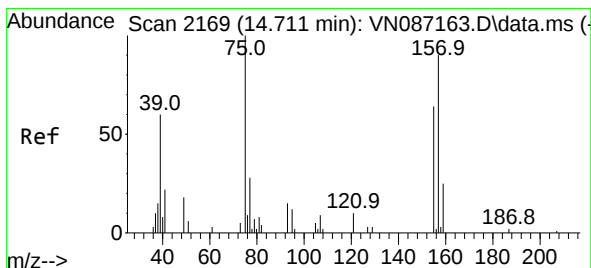
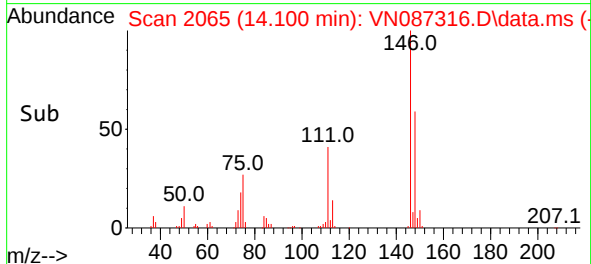
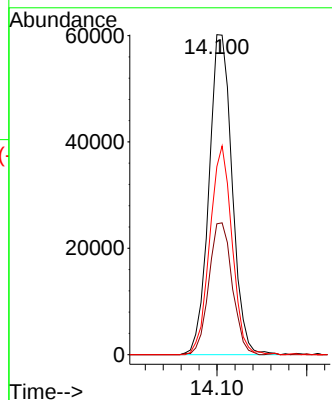
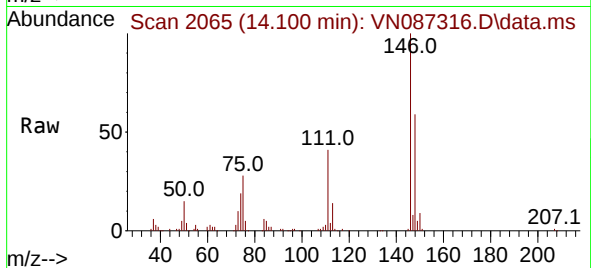
Tgt Ion:146 Resp: 107855

Ion Ratio Lower Upper

146 100

111 41.6 22.1 66.1

148 62.6 31.6 95.0



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.830 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. 0.006 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

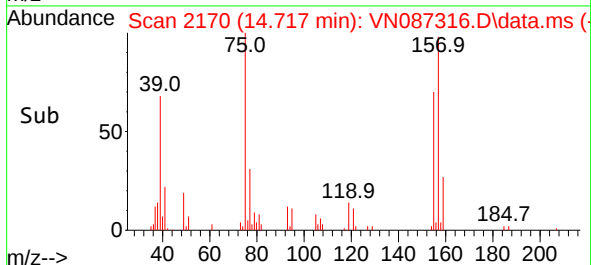
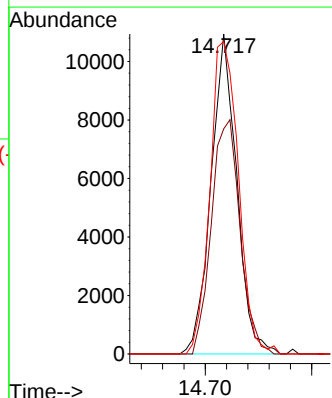
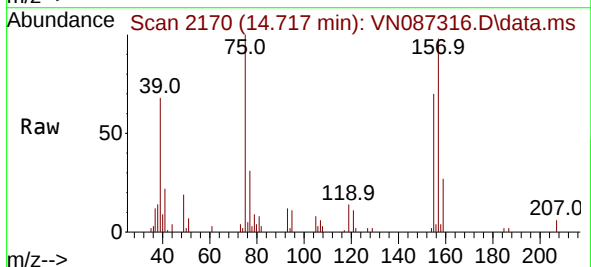
Tgt Ion: 75 Resp: 18334

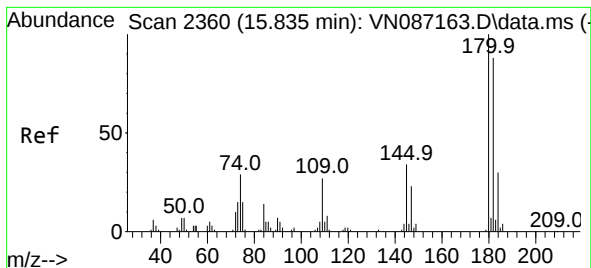
Ion Ratio Lower Upper

75 100

155 81.4 58.3 87.5

157 107.7 79.2 118.8





#89

1,2,4-Trichlorobenzene

Concen: 19.816 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA\_N

ClientSampleId :

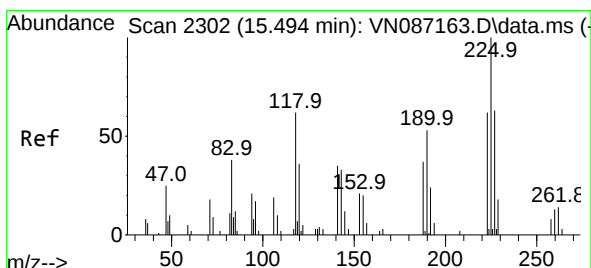
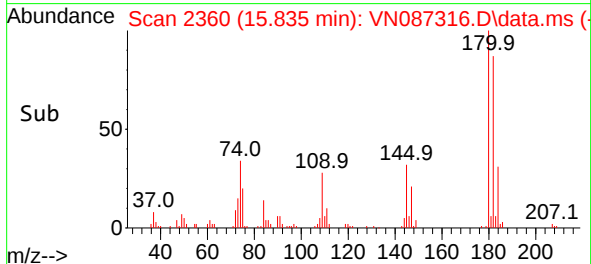
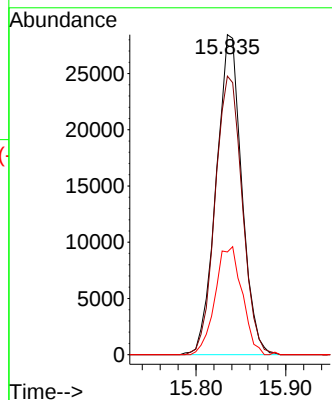
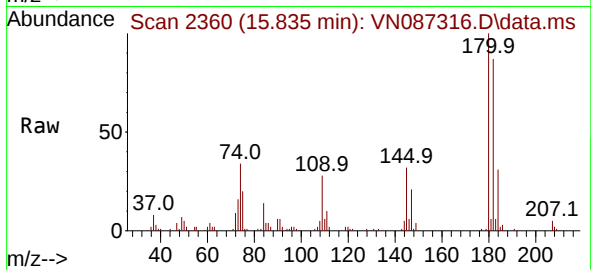
Tgt Ion:180 Resp: 56329

Ion Ratio Lower Upper

180 100

182 92.0 74.2 111.2

145 35.6 27.6 41.4



#90

Hexachlorobutadiene

Concen: 18.762 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

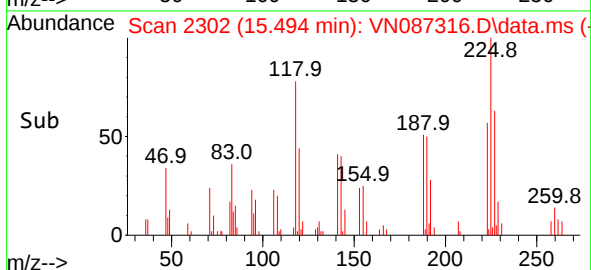
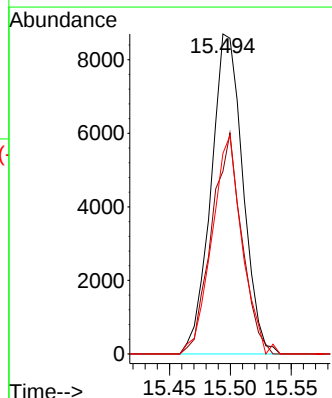
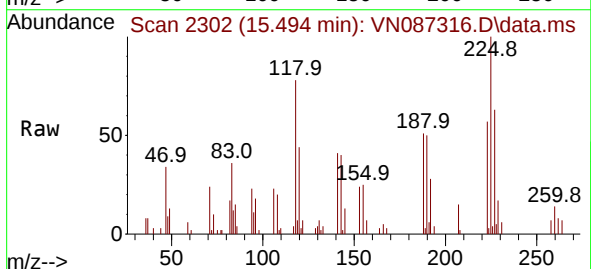
Tgt Ion:225 Resp: 15826

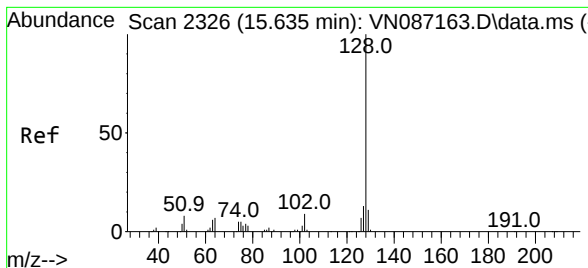
Ion Ratio Lower Upper

225 100

223 65.4 0.0 134.2

227 64.0 0.0 122.6

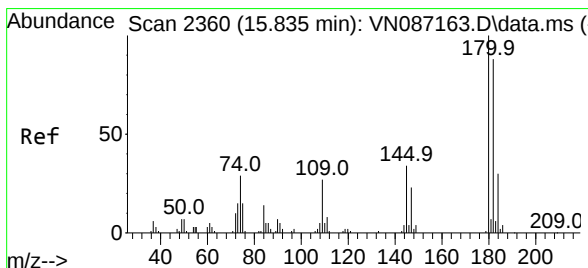
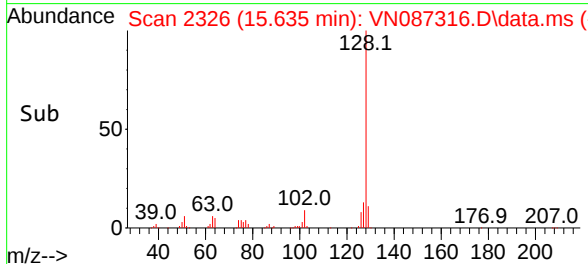
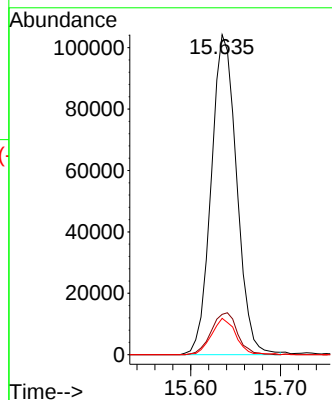
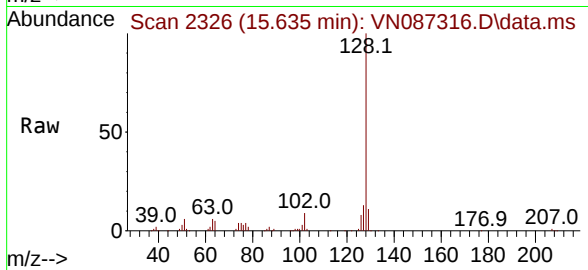




#91  
Naphthalene  
Concen: 18.369 ug/l  
RT: 15.635 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:128 Resp: 205505  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.6 15.8  
129 10.7 8.8 13.2



#92  
1,2,3-Trichlorobenzene  
Concen: 19.816 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. -0.000 min  
Lab File: VN087316.D  
Acq: 10 Jul 2025 10:41

Tgt Ion:180 Resp: 56329  
Ion Ratio Lower Upper  
180 100  
182 92.0 0.0 185.4  
145 35.6 0.0 69.0

