

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071724\  
 Data File : VN082955.D  
 Acq On : 17 Jul 2024 11:44  
 Operator : JC\MD  
 Sample : VN0717WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jul 18 05:20:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 13:46:04 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.229  | 168   | 119233   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106  | 114   | 201422   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 184696   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 87584    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.582  | 65    | 92290    | 55.217   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 110.440% |
| 35) Dibromofluoromethane     | 8.165  | 113   | 70394    | 54.465   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 108.920% |
| 50) Toluene-d8               | 10.571 | 98    | 256350   | 53.700   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 107.400% |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 81375    | 47.455   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 64 - 133 | Recovery | =      | 94.920%  |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 27034    | 17.513   | ug/l   | 98       |
| 3) Chloromethane             | 2.359  | 50    | 25035    | 17.101   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.512  | 62    | 23268    | 15.134   | ug/l   | 100      |
| 5) Bromomethane              | 2.959  | 94    | 16546    | 14.926   | ug/l   | 93       |
| 6) Chloroethane              | 3.118  | 64    | 17067    | 16.221   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.500  | 101   | 34276    | 15.500   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.959  | 74    | 10602    | 14.009   | ug/l   | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377  | 101   | 23956    | 19.141   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.589  | 142   | 18354    | 14.304   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.518  | 59    | 21012    | 74.744   | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.342  | 96    | 20378    | 16.742   | ug/l   | 87       |
| 13) Acrolein                 | 4.194  | 56    | 4892     | 24.103   | ug/l   | 96       |
| 14) Allyl chloride           | 5.018  | 41    | 32023    | 16.874   | ug/l   | 93       |
| 15) Acrylonitrile            | 5.718  | 53    | 57616    | 89.181   | ug/l   | 99       |
| 16) Acetone                  | 4.436  | 43    | 50846    | 86.406   | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.706  | 76    | 56391    | 15.504   | ug/l   | 98       |
| 18) Methyl Acetate           | 5.024  | 43    | 32145    | 20.644   | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 5.794  | 73    | 69513    | 16.556   | ug/l   | 94       |
| 20) Methylene Chloride       | 5.277  | 84    | 25660    | 18.056   | ug/l   | 85       |
| 21) trans-1,2-Dichloroethene | 5.788  | 96    | 22034    | 16.707   | ug/l   | 83       |
| 22) Diisopropyl ether        | 6.677  | 45    | 75678    | 19.061   | ug/l # | 94       |
| 23) Vinyl Acetate            | 6.606  | 43    | 276065   | 87.556   | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.571  | 63    | 46030    | 19.113   | ug/l   | 99       |
| 25) 2-Butanone               | 7.482  | 43    | 77378    | 87.084   | ug/l # | 89       |
| 26) 2,2-Dichloropropane      | 7.494  | 77    | 41324    | 18.455   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.488  | 96    | 27323    | 17.696   | ug/l   | 90       |
| 28) Bromochloromethane       | 7.812  | 49    | 24319    | 23.538   | ug/l # | 83       |
| 29) Tetrahydrofuran          | 7.847  | 42    | 50632    | 90.514   | ug/l   | 91       |
| 30) Chloroform               | 7.965  | 83    | 48134    | 18.839   | ug/l   | 96       |
| 31) Cyclohexane              | 8.259  | 56    | 36240    | 16.585   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 43578    | 18.371   | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.371  | 75    | 31018    | 17.406   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.565  | 43    | 33070    | 18.228   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.359  | 117   | 38463    | 17.927   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.606  | 83    | 28748    | 14.935   | ug/l   | 94       |
| 40) Benzene                  | 8.606  | 78    | 101399   | 18.499   | ug/l   | 100      |

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 Sample : VN0717WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jul 18 05:20:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 13:46:04 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.782  | 41   | 17790    | 18.201  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 37173    | 18.838  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 73521    | 19.694  | ug/l   | 97       |
| 44) Trichloroethene           | 9.353  | 130  | 23845    | 16.980  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 26228    | 20.495  | ug/l   | 97       |
| 46) Dibromomethane            | 9.706  | 93   | 18910    | 18.968  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.888  | 83   | 39343    | 19.099  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.682  | 41   | 24360    | 17.124  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 9409     | 299.445 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 169187   | 94.067  | ug/l   | 97       |
| 52) Toluene                   | 10.635 | 92   | 62828    | 18.349  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 36309    | 17.110  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 39463    | 17.569  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 24187    | 19.210  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 33970    | 17.341  | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 42070    | 18.876  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 105698   | 105.154 | ug/l   | 96       |
| 59) 2-Hexanone                | 11.200 | 43   | 124732   | 93.277  | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.359 | 129  | 30439    | 18.981  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 24230    | 18.121  | ug/l   | 94       |
| 64) Tetrachloroethene         | 11.106 | 164  | 23242    | 16.867  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.894 | 112  | 68252    | 17.245  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 25378    | 18.027  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 108543   | 16.318  | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.070 | 106  | 86215    | 34.331  | ug/l   | 97       |
| 69) o-Xylene                  | 12.400 | 106  | 38574    | 16.031  | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 68871    | 17.322  | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 19643    | 17.742  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 95857    | 15.062  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.494 | 43   | 44479    | 16.896  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 33093    | 17.362  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 45640    | 30.225  | ug/l   | 42       |
| 77) Bromobenzene              | 12.982 | 156  | 27281    | 16.616  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.035 | 91   | 120801   | 16.509  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 76593    | 16.428  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 83445    | 16.221  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 12764    | 16.625  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 76407    | 16.557  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 69135    | 15.159  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 83975    | 16.016  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 96382    | 15.639  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 79072    | 15.378  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 50712    | 17.098  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.811 | 146  | 50521    | 16.470  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 65354    | 14.835  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.335 | 117  | 17866    | 16.421  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 47760    | 16.585  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 7123     | 16.153  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 22422    | 14.455  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 10000    | 14.542  | ug/l   | 92       |
| 95) Naphthalene               | 15.641 | 128  | 66127    | 12.446  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 23198    | 14.545  | ug/l   | 99       |

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Sample : VN0717WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

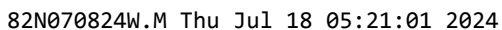
Instrument :  
MSVOA\_N  
ClientSampleId :

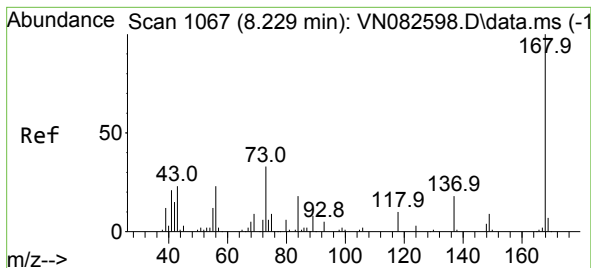
Quant Time: Jul 18 05:20:51 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 08 13:46:04 2024  
Response via : Initial Calibration

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

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

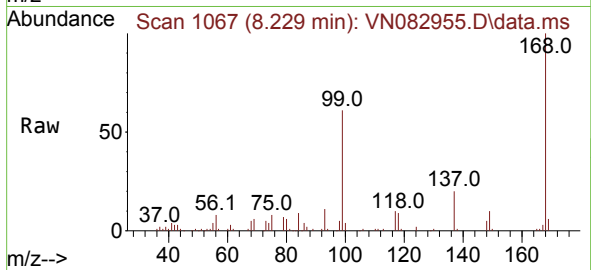
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 08 13:46:04 2024  
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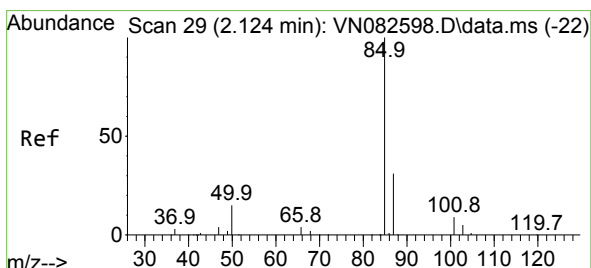
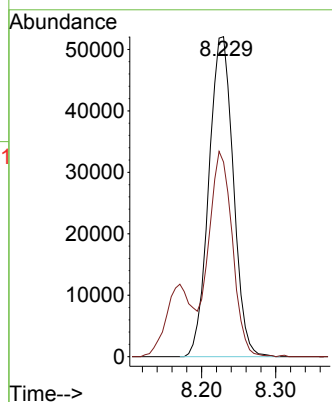
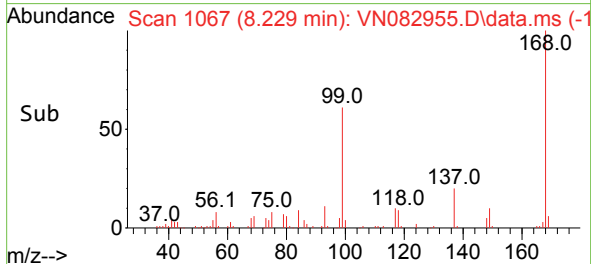


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. 0.001 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :

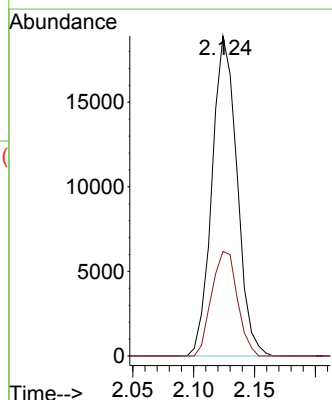
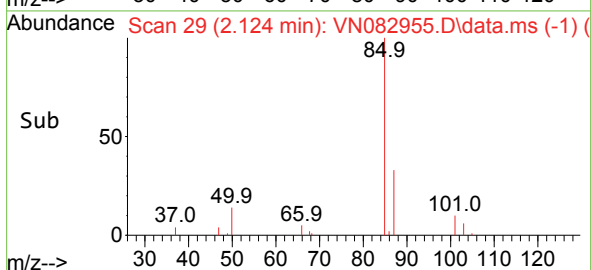
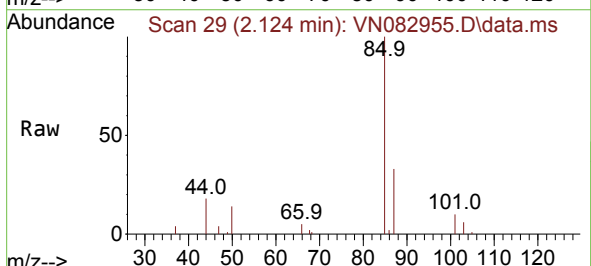


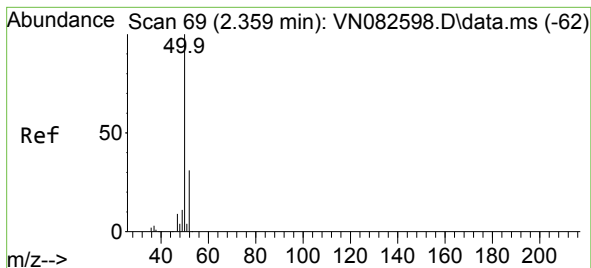
Tgt Ion:168 Resp: 119233  
Ion Ratio Lower Upper  
168 100  
99 60.5 48.2 72.4



#2  
Dichlorodifluoromethane  
Concen: 17.513 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion: 85 Resp: 27034  
Ion Ratio Lower Upper  
85 100  
87 32.6 15.7 47.0





#3

Chloromethane

Concen: 17.101 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

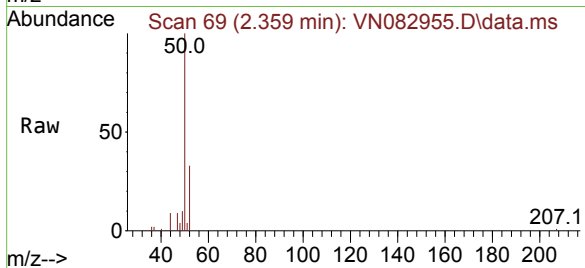
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Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

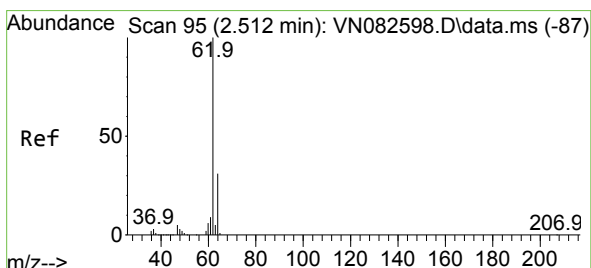
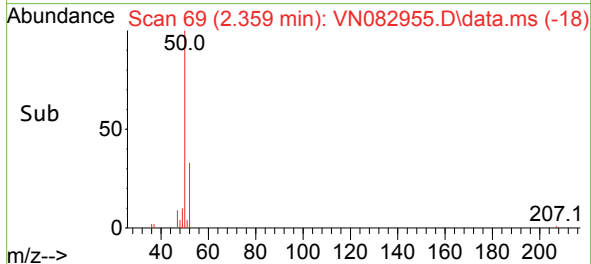
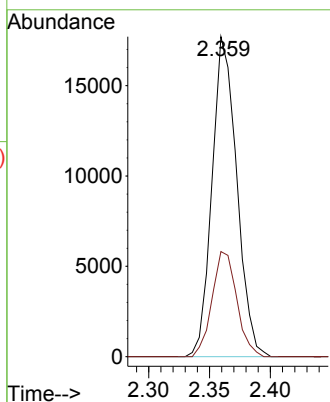


Tgt Ion: 50 Resp: 25035

Ion Ratio Lower Upper

50 100

52 32.9 25.0 37.4



#4

Vinyl Chloride

Concen: 15.134 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN082955.D

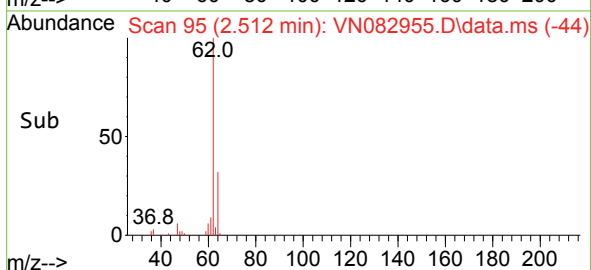
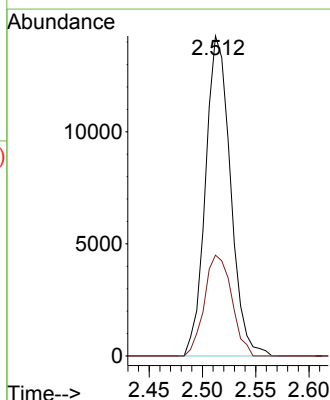
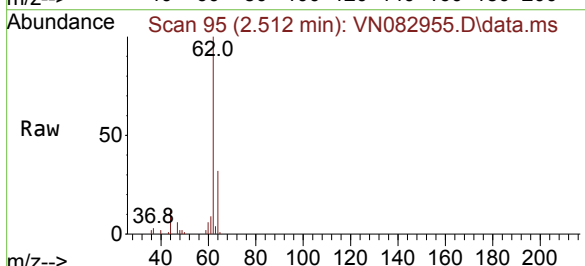
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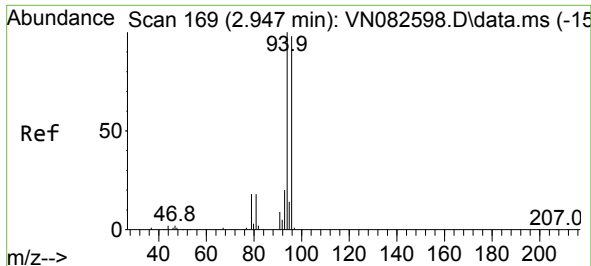
Tgt Ion: 62 Resp: 23268

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.6

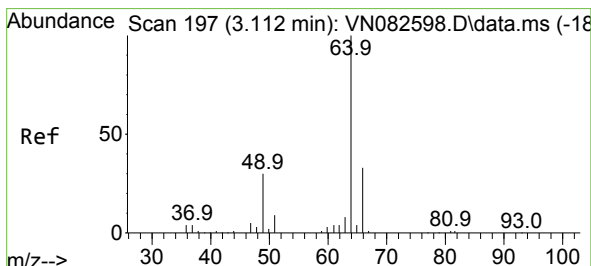
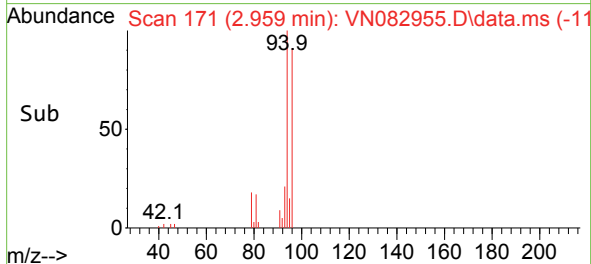
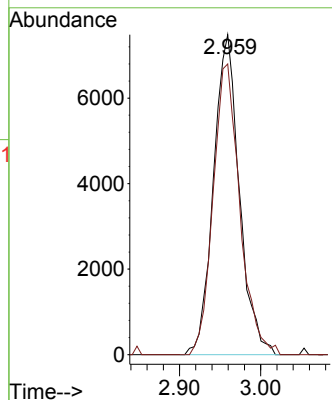
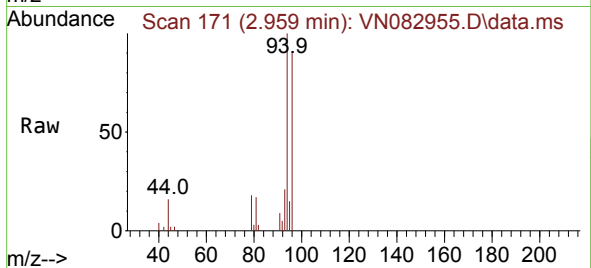




#5  
Bromomethane  
Concen: 14.926 ug/l  
RT: 2.959 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

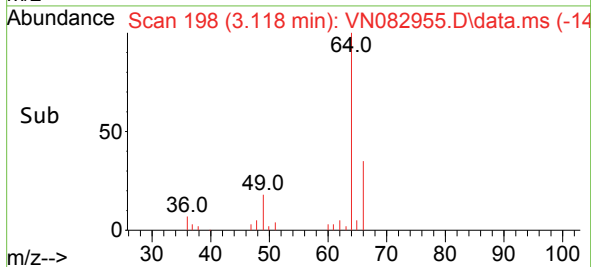
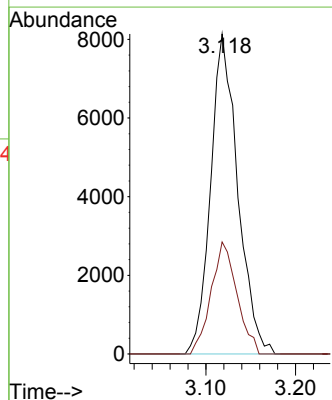
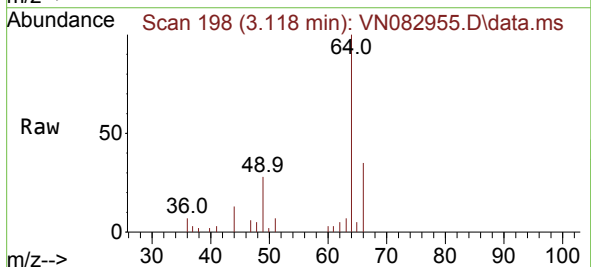
Instrument :  
MSVOA\_N  
ClientSampleId :

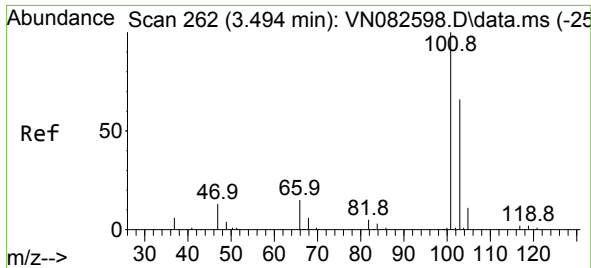
Tgt Ion: 94 Resp: 16546  
Ion Ratio Lower Upper  
94 100  
96 90.9 78.0 117.0



#6  
Chloroethane  
Concen: 16.221 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.006 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion: 64 Resp: 17067  
Ion Ratio Lower Upper  
64 100  
66 35.0 26.6 40.0

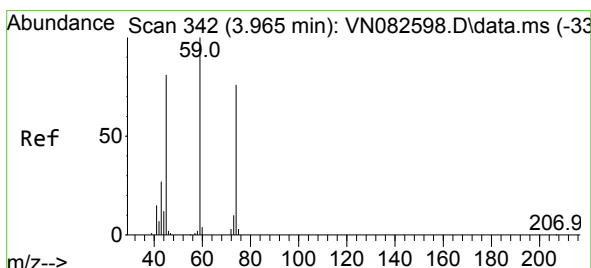
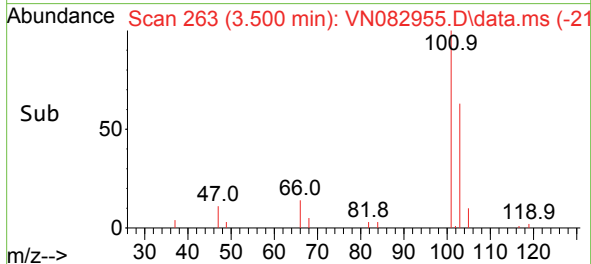
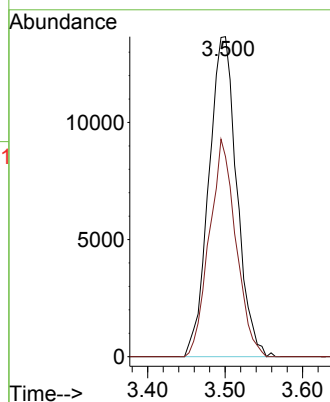
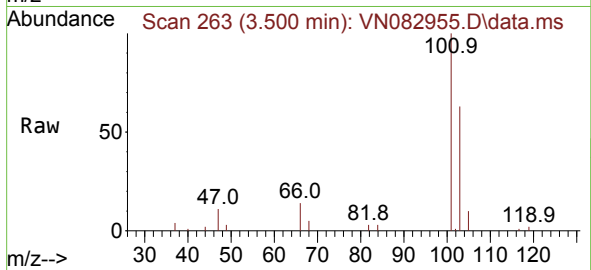




#7  
 Trichlorofluoromethane  
 Concen: 15.500 ug/l  
 RT: 3.500 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

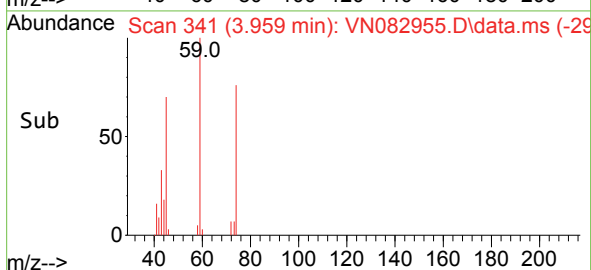
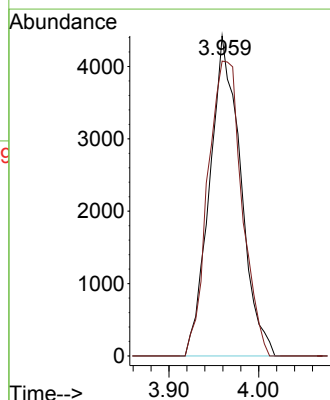
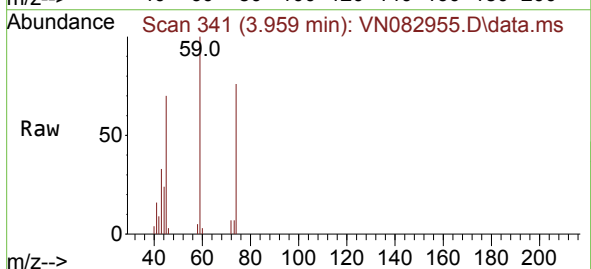
Instrument :  
 MSVOA\_N  
 ClientSampleId :

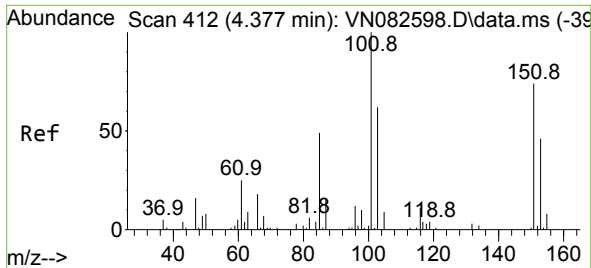
Tgt Ion:101 Resp: 34276  
 Ion Ratio Lower Upper  
 101 100  
 103 62.6 52.7 79.1



#8  
 Diethyl Ether  
 Concen: 14.009 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. -0.006 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

Tgt Ion: 74 Resp: 10602  
 Ion Ratio Lower Upper  
 74 100  
 45 101.1 55.5 166.3

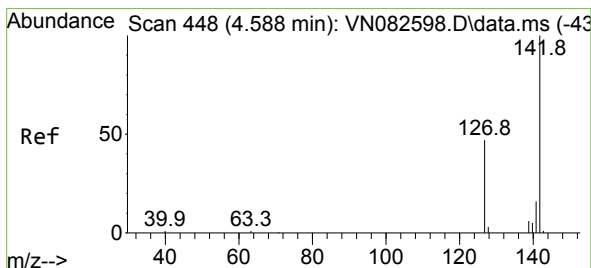
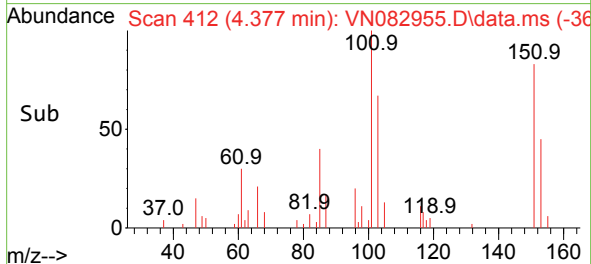
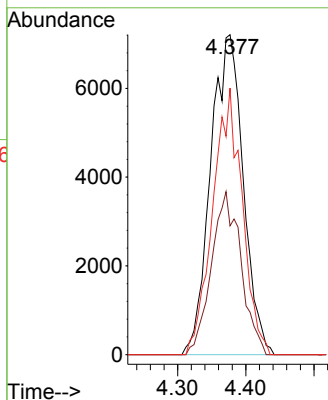
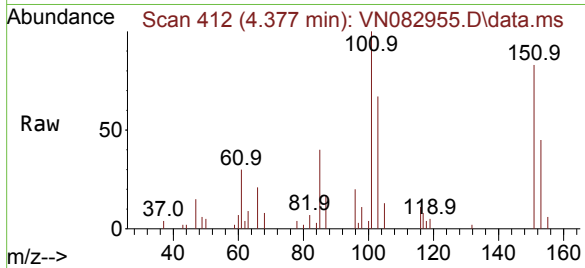




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.141 ug/l  
RT: 4.377 min Scan# 412  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

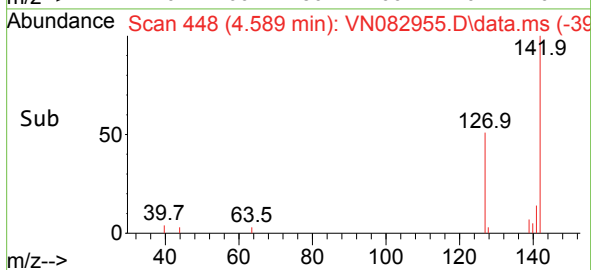
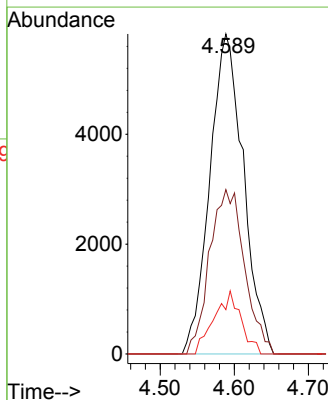
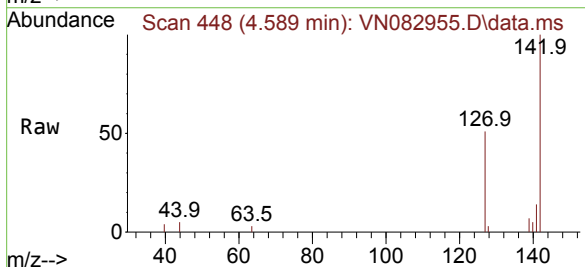
Instrument :  
MSVOA\_N  
ClientSampleId :

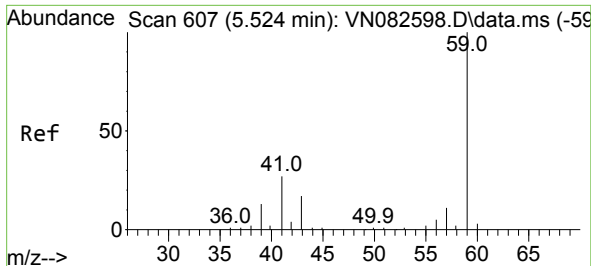
Tgt Ion:101 Resp: 23956  
Ion Ratio Lower Upper  
101 100  
85 46.3 38.3 57.5  
151 75.2 59.3 88.9



#10  
Methyl Iodide  
Concen: 14.304 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.001 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

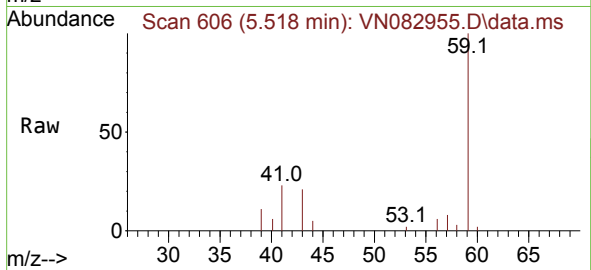
Tgt Ion:142 Resp: 18354  
Ion Ratio Lower Upper  
142 100  
127 51.4 37.5 56.3  
141 13.9 13.1 19.7



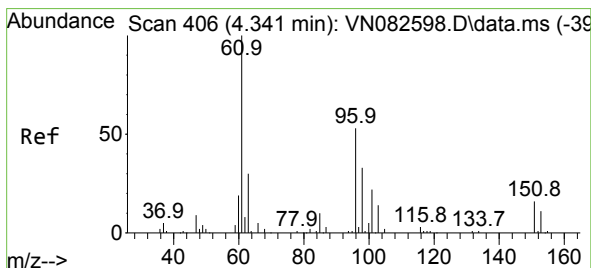
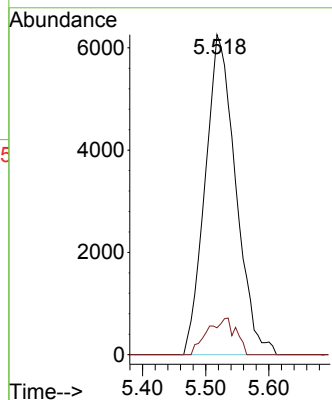
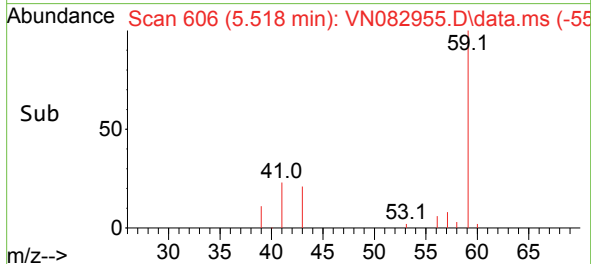


#11  
Tert butyl alcohol  
Concen: 74.744 ug/l  
RT: 5.518 min Scan# 607  
Delta R.T. -0.006 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

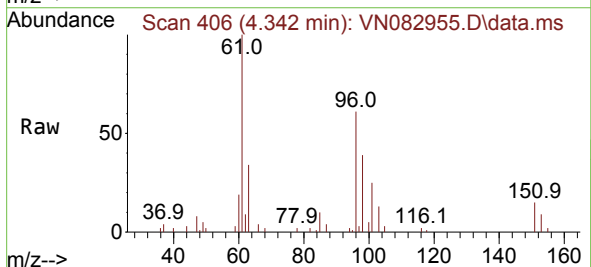
Instrument :  
MSVOA\_N  
ClientSampleId :



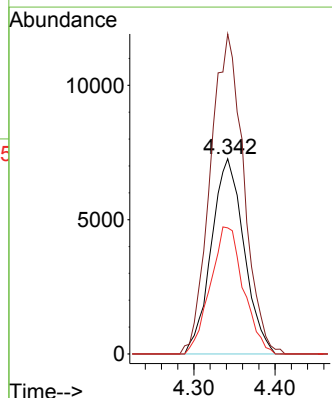
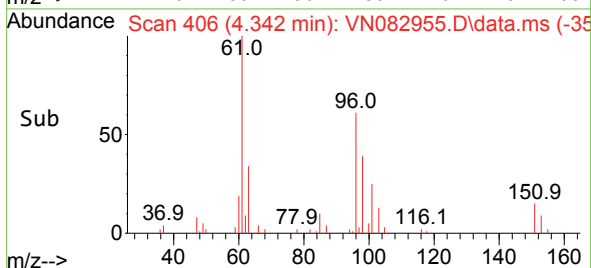
Tgt Ion: 59 Resp: 21012  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.9 13.3

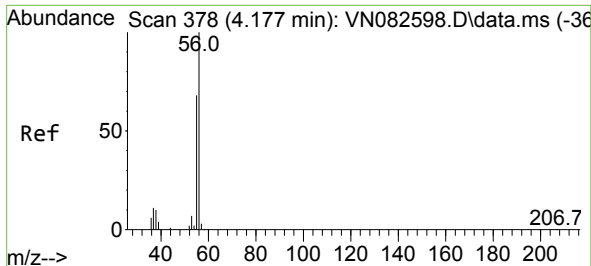


#12  
1,1-Dichloroethene  
Concen: 16.742 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.001 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44



Tgt Ion: 96 Resp: 20378  
Ion Ratio Lower Upper  
96 100  
61 164.0 149.7 224.5  
98 64.6 50.1 75.1





#13

Acrolein

Concen: 24.103 ug/l

RT: 4.194 min Scan# 381

Delta R.T. 0.017 min

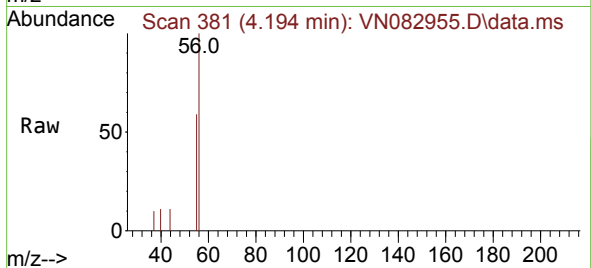
Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

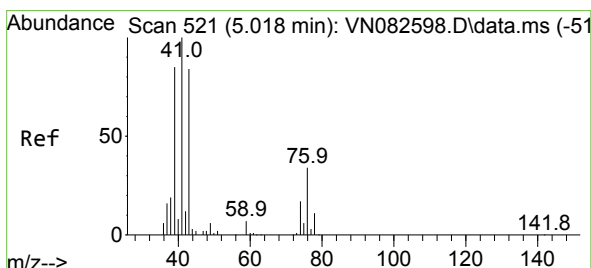
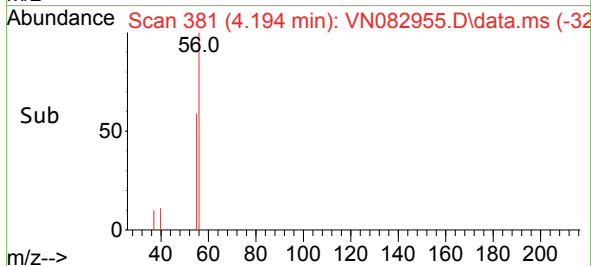
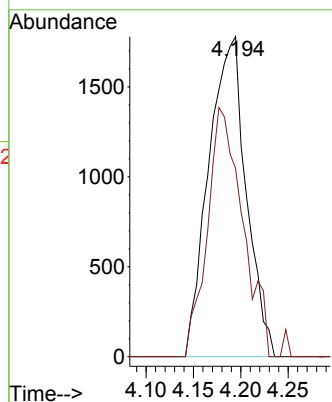


Tgt Ion: 56 Resp: 4892

Ion Ratio Lower Upper

56 100

55 73.4 56.4 84.6



#14

Allyl chloride

Concen: 16.874 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

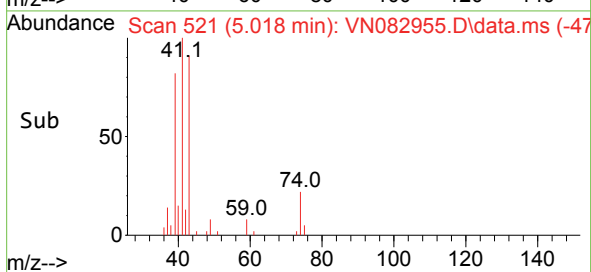
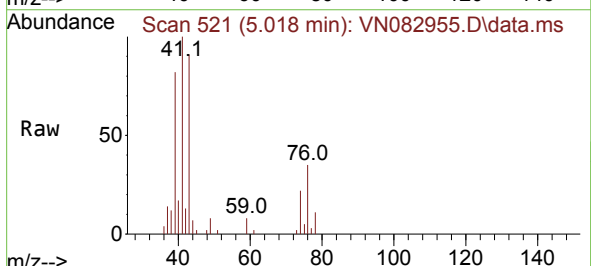
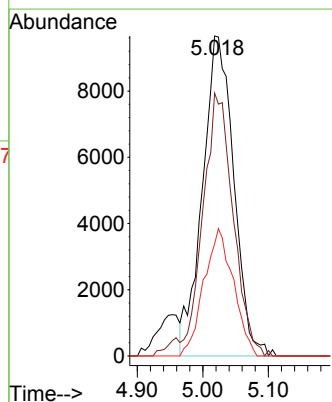
Tgt Ion: 41 Resp: 32023

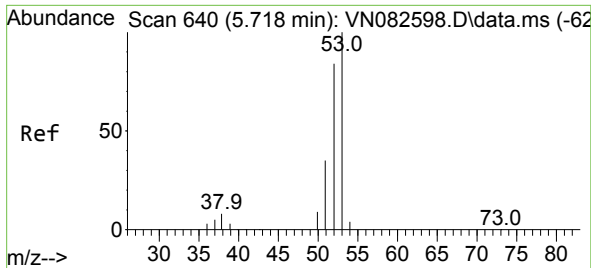
Ion Ratio Lower Upper

41 100

39 78.9 67.8 101.6

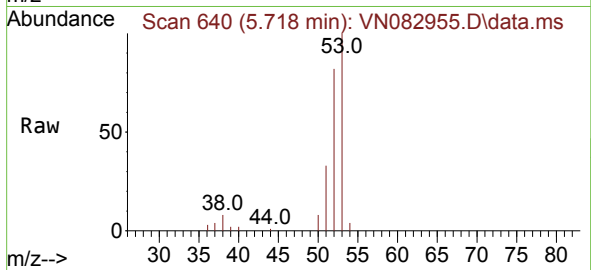
76 37.5 25.8 38.8





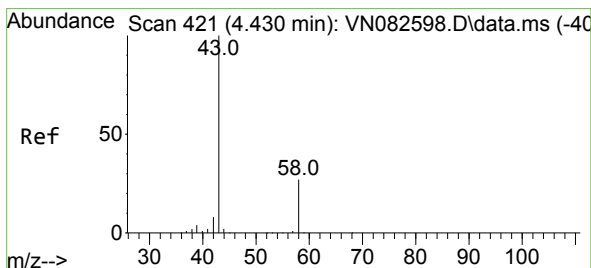
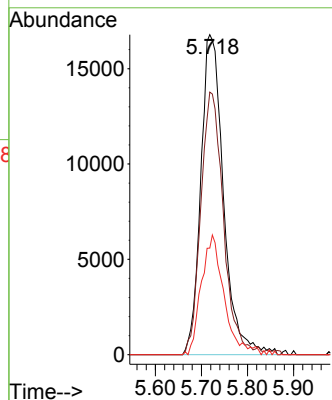
#15  
Acrylonitrile  
Concen: 89.181 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 53 Resp: 57616

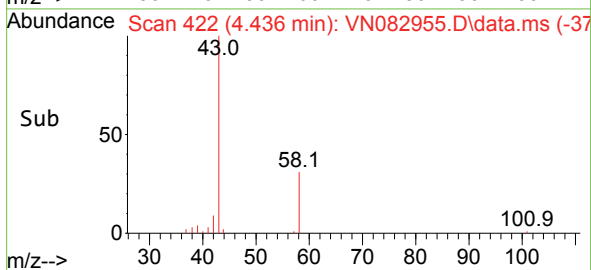
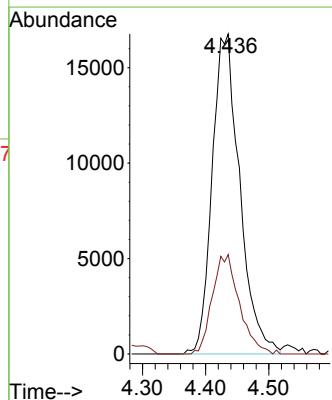
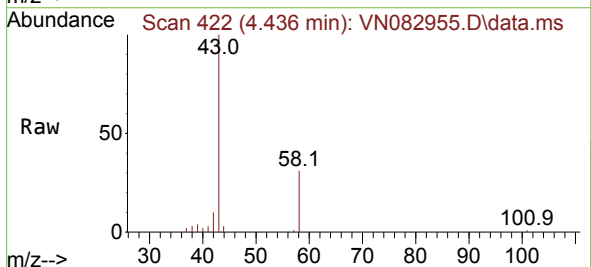
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 81.9  | 66.6  | 100.0 |
| 51  | 36.9  | 30.1  | 45.1  |

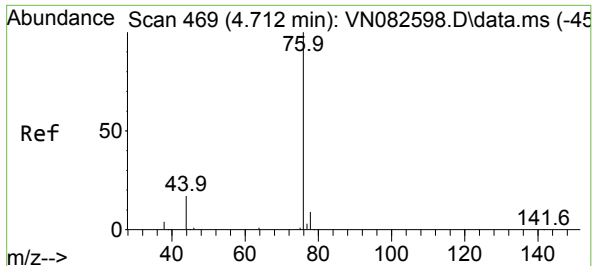


#16  
Acetone  
Concen: 86.406 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion: 43 Resp: 50846

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 31.1  | 21.8  | 32.6  |

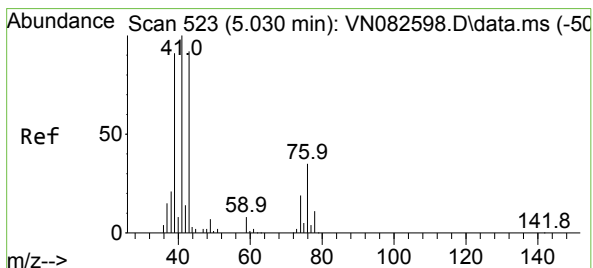
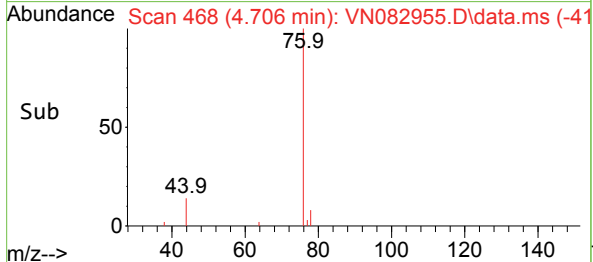
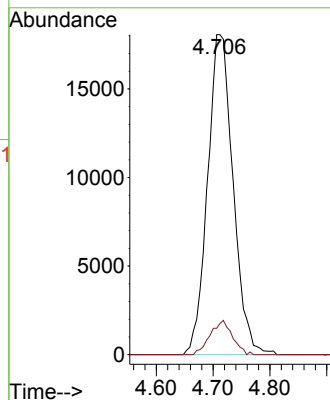
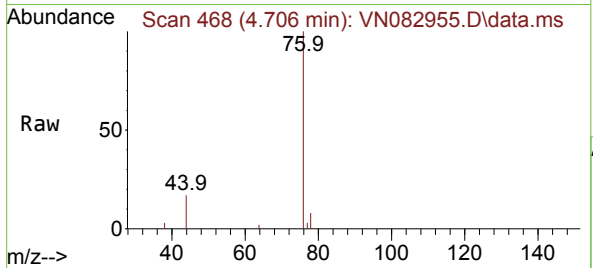




#17  
Carbon Disulfide  
Concen: 15.504 ug/l  
RT: 4.706 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

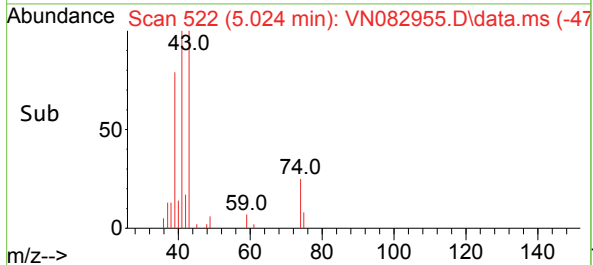
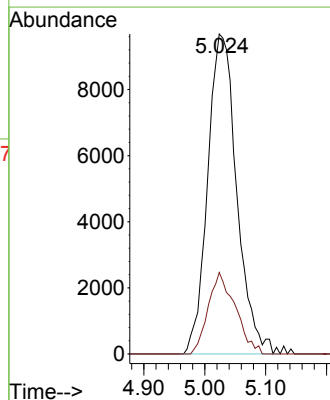
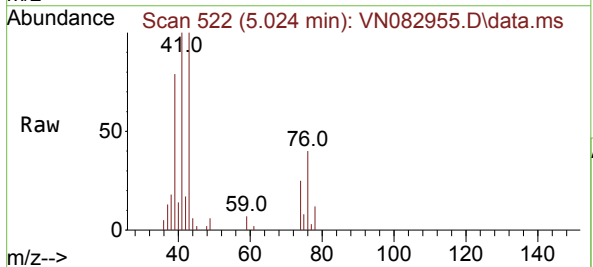
Instrument :  
MSVOA\_N  
ClientSampleId :

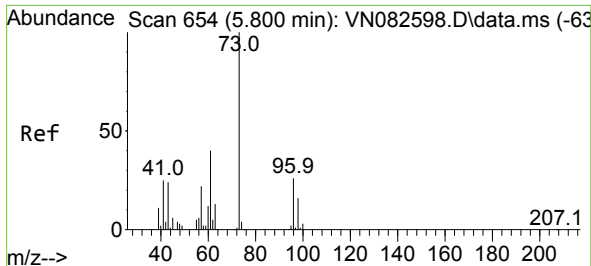
Tgt Ion: 76 Resp: 56391  
Ion Ratio Lower Upper  
76 100  
78 8.2 7.2 10.8



#18  
Methyl Acetate  
Concen: 20.644 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. -0.006 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion: 43 Resp: 32145  
Ion Ratio Lower Upper  
43 100  
74 23.7 16.3 24.5

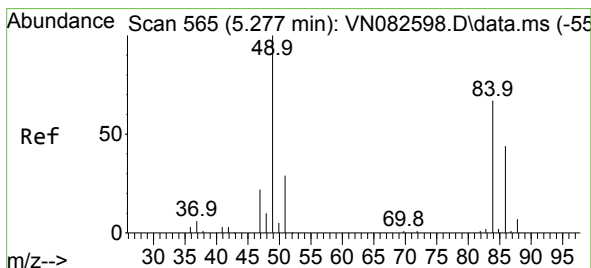
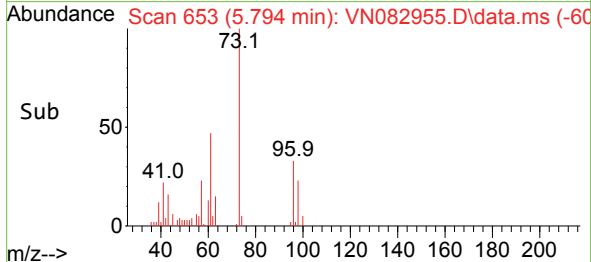
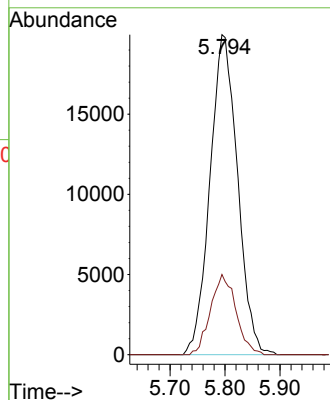
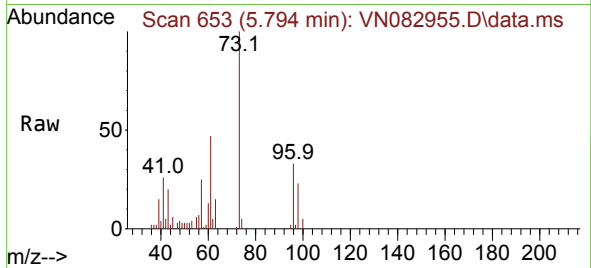




#19  
Methyl tert-butyl Ether  
Concen: 16.556 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

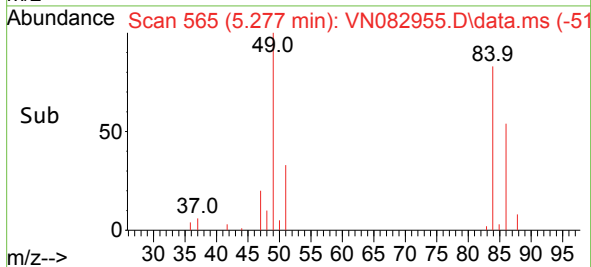
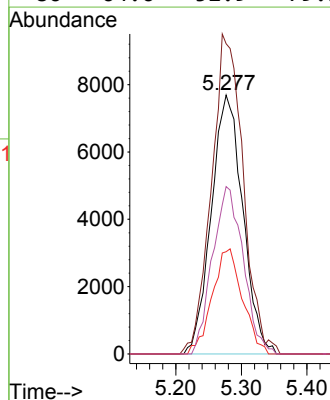
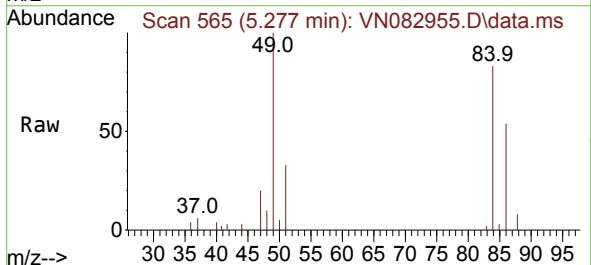
Instrument :  
MSVOA\_N  
ClientSampleId :

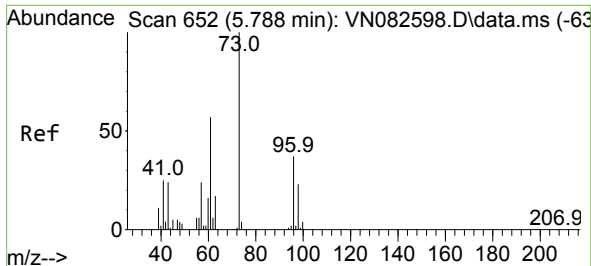
Tgt Ion: 73 Resp: 69513  
Ion Ratio Lower Upper  
73 100  
57 25.1 17.9 26.9



#20  
Methylene Chloride  
Concen: 18.056 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

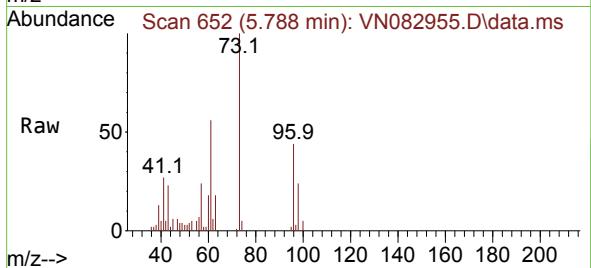
Tgt Ion: 84 Resp: 25660  
Ion Ratio Lower Upper  
84 100  
49 119.8 119.6 179.4  
51 39.5 34.8 52.2  
86 64.6 52.9 79.3



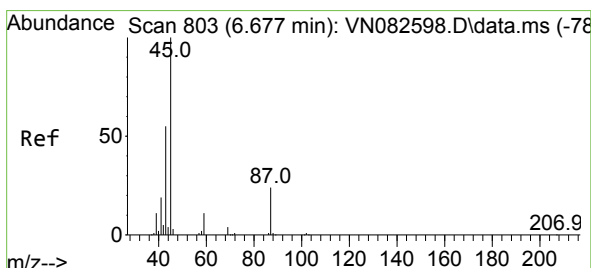
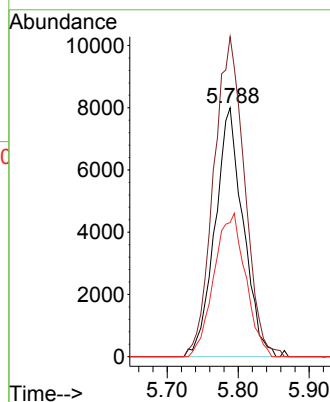
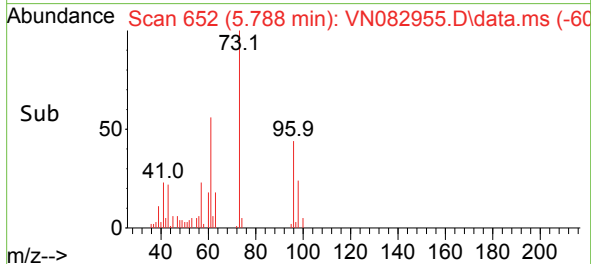


#21  
trans-1,2-Dichloroethene  
Concen: 16.707 ug/l  
RT: 5.788 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :

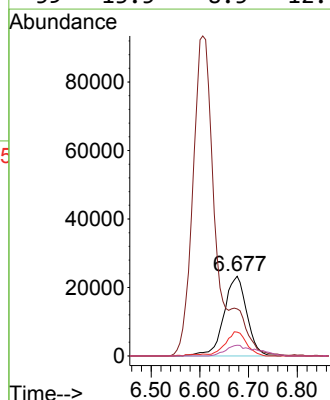
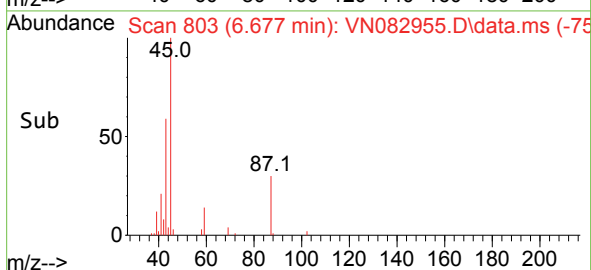
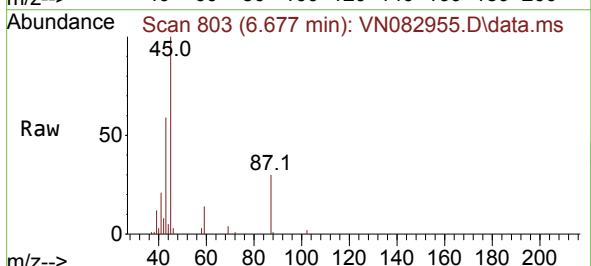


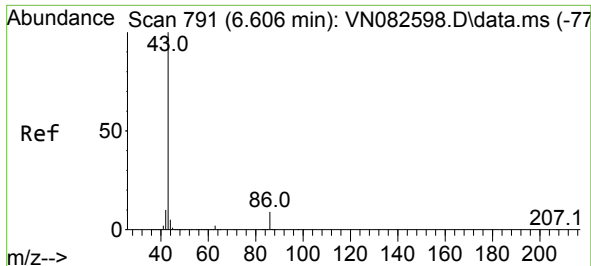
Tgt Ion: 96 Resp: 22034  
Ion Ratio Lower Upper  
96 100  
61 128.6 123.4 185.2  
98 53.9 49.3 73.9



#22  
Diisopropyl ether  
Concen: 19.061 ug/l  
RT: 6.677 min Scan# 803  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

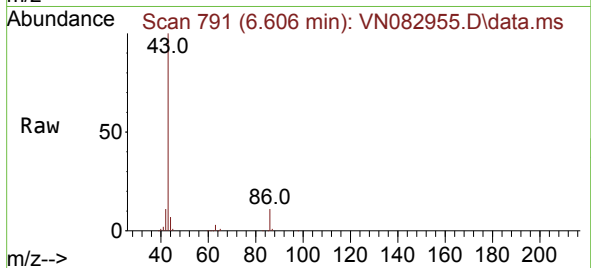
Tgt Ion: 45 Resp: 75678  
Ion Ratio Lower Upper  
45 100  
43 57.4 44.0 66.0  
87 30.0 19.7 29.5#  
59 13.5 8.5 12.7#



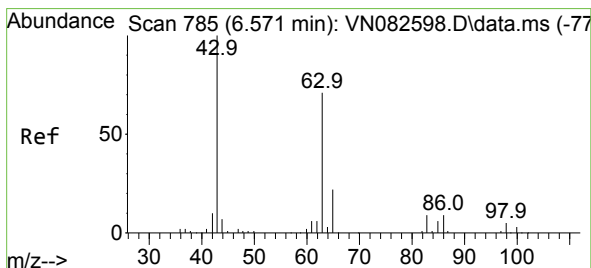
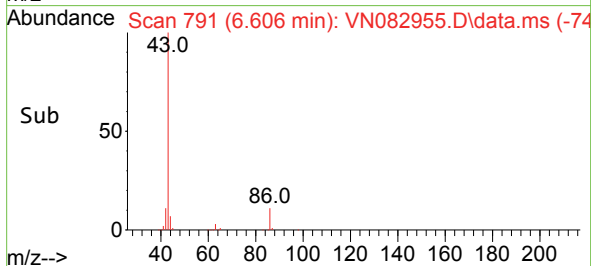
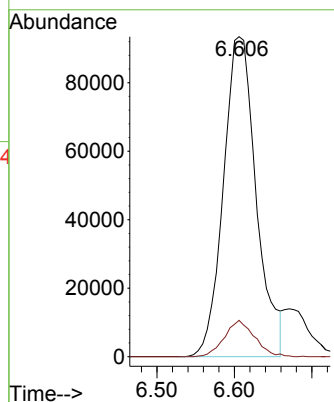


#23  
 Vinyl Acetate  
 Concen: 87.556 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.000 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :

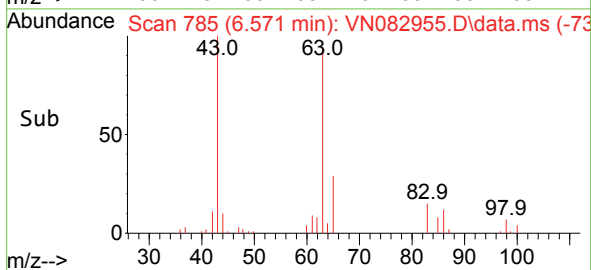
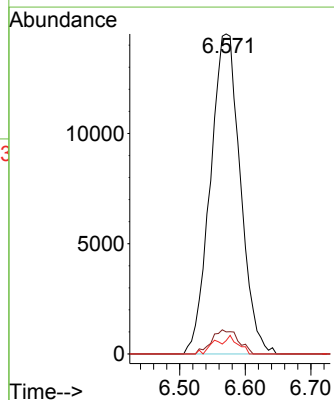
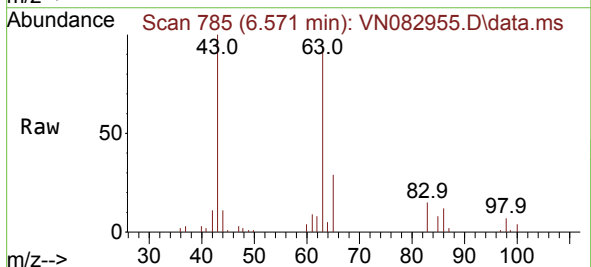


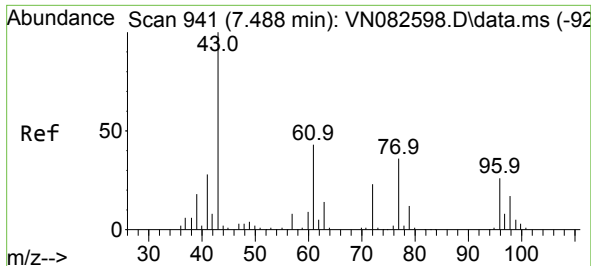
Tgt Ion: 43 Resp: 276065  
 Ion Ratio Lower Upper  
 43 100  
 86 11.4 7.3 10.9#



#24  
 1,1-Dichloroethane  
 Concen: 19.113 ug/l  
 RT: 6.571 min Scan# 785  
 Delta R.T. -0.000 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

Tgt Ion: 63 Resp: 46030  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.3 9.9  
 100 4.2 2.0 6.0

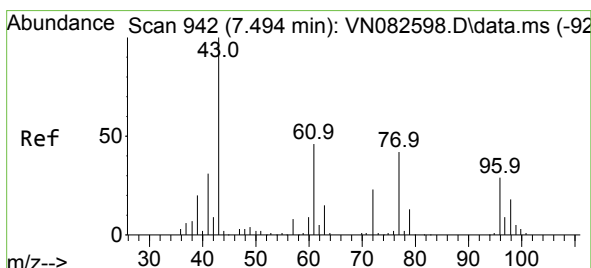
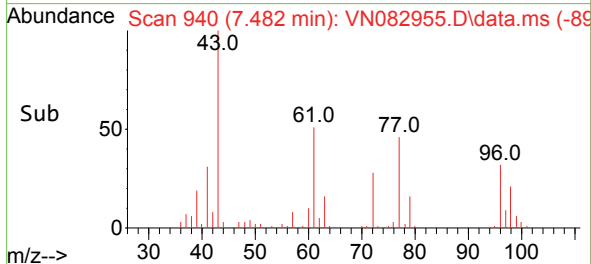
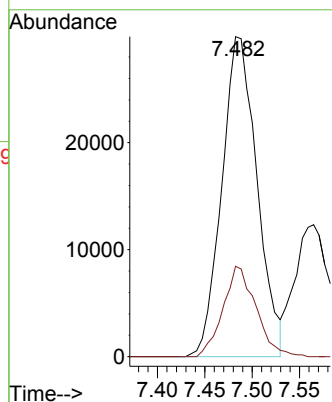
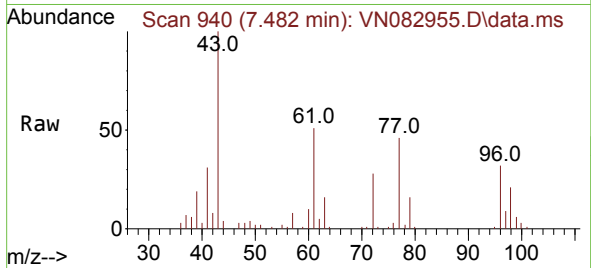




#25  
2-Butanone  
Concen: 87.084 ug/l  
RT: 7.482 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

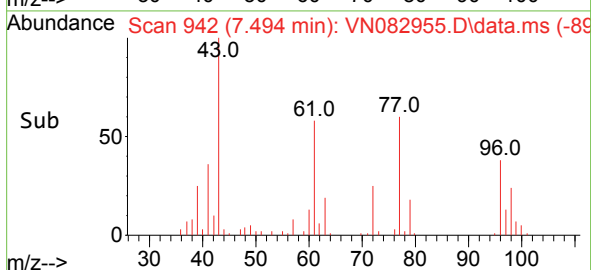
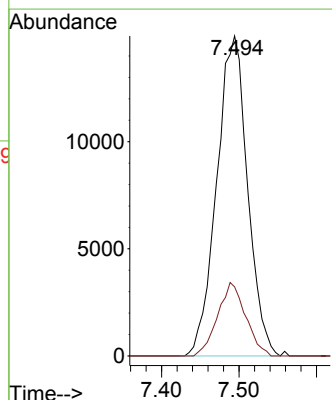
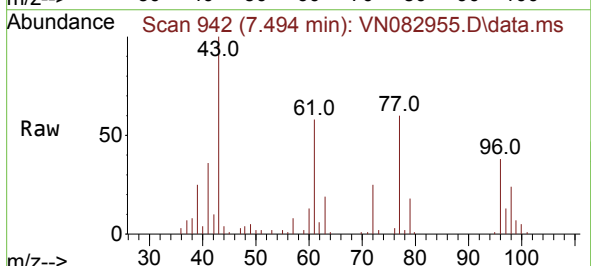
Instrument :  
MSVOA\_N  
ClientSampleId :

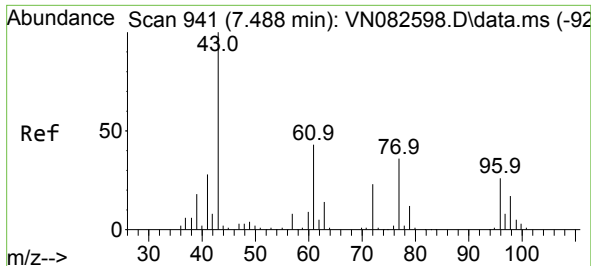
Tgt Ion: 43 Resp: 77378  
Ion Ratio Lower Upper  
43 100  
72 28.2 18.2 27.2#



#26  
2,2-Dichloropropane  
Concen: 18.455 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion: 77 Resp: 41324  
Ion Ratio Lower Upper  
77 100  
97 20.8 10.3 30.9

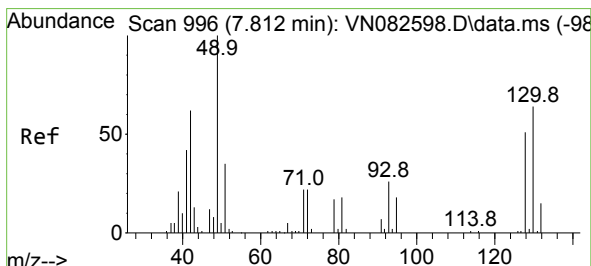
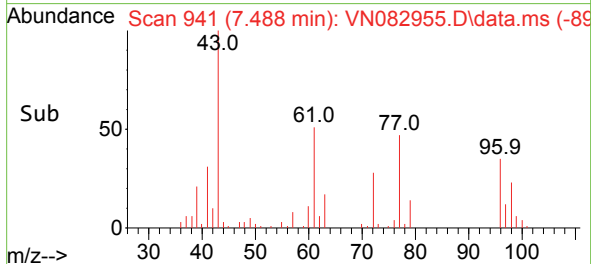
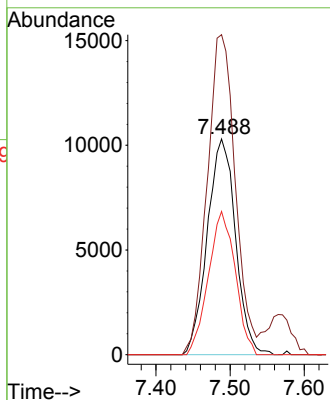
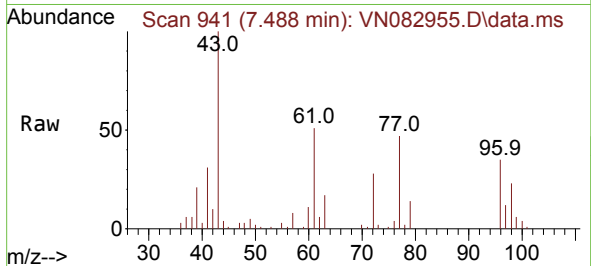




#27  
 cis-1,2-Dichloroethene  
 Concen: 17.696 ug/l  
 RT: 7.488 min Scan# 941  
 Delta R.T. 0.000 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

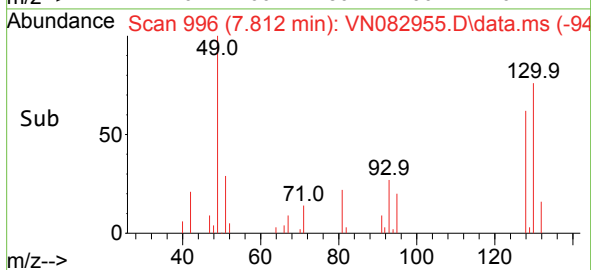
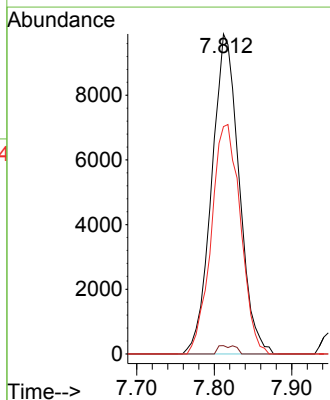
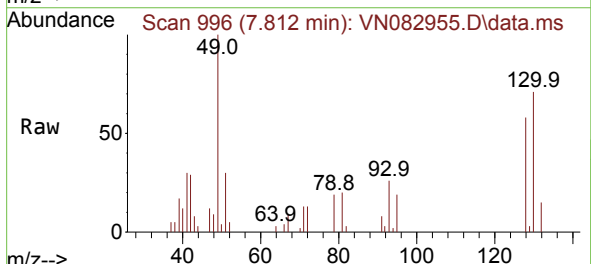
Instrument :  
 MSVOA\_N  
 ClientSampleId :

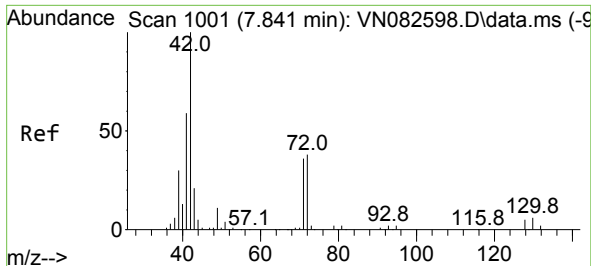
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 27323 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 146.9 | 0.0   | 329.6 |
| 98       | 63.0  | 0.0   | 128.6 |



#28  
 Bromochloromethane  
 Concen: 23.538 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. -0.000 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 24319 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.7   | 0.0   | 3.8   |
| 130      | 76.5  | 50.5  | 75.7# |





#29

Tetrahydrofuran

Concen: 90.514 ug/l

RT: 7.847 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

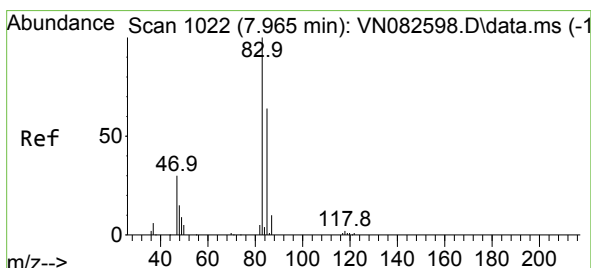
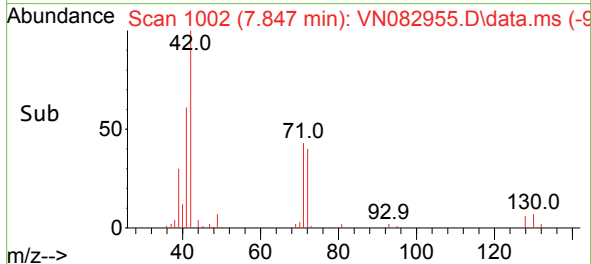
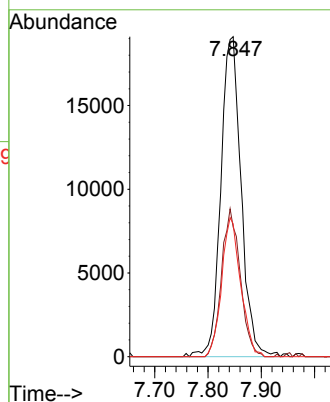
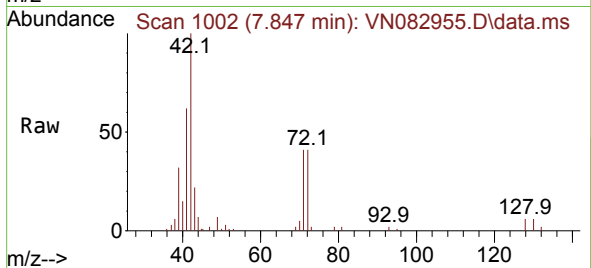
Tgt Ion: 42 Resp: 50632

Ion Ratio Lower Upper

42 100

72 42.4 30.0 45.0

71 40.6 28.3 42.5



#30

Chloroform

Concen: 18.839 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN082955.D

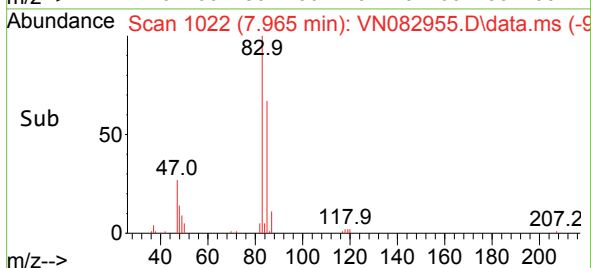
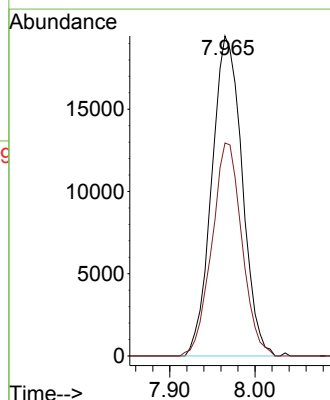
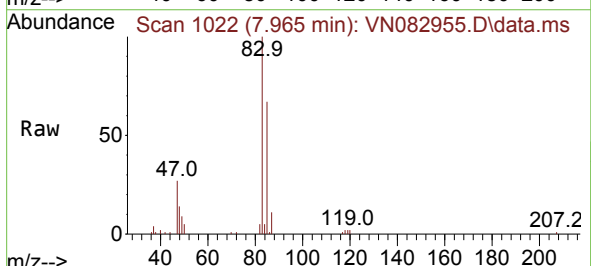
Acq: 17 Jul 2024 11:44

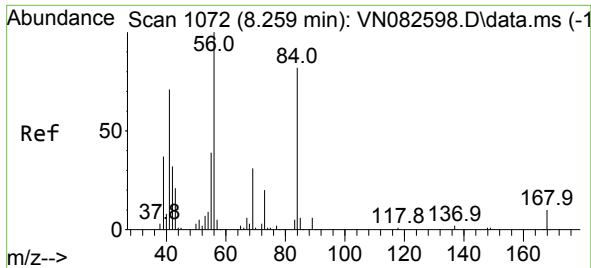
Tgt Ion: 83 Resp: 48134

Ion Ratio Lower Upper

83 100

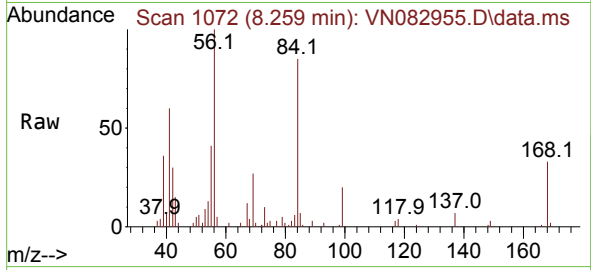
85 66.6 50.9 76.3



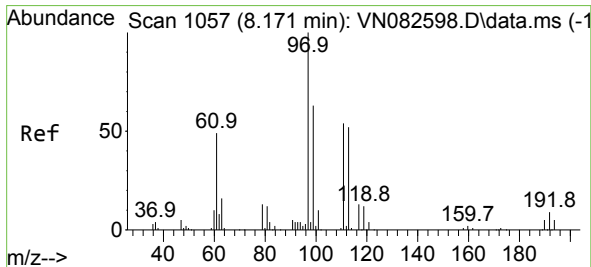
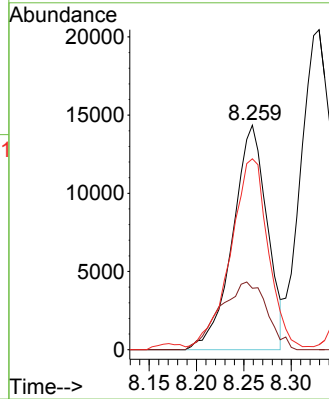
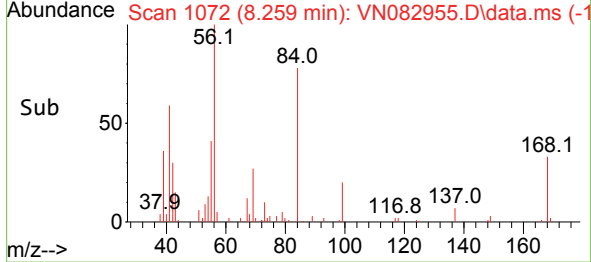


#31  
Cyclohexane  
Concen: 16.585 ug/l  
RT: 8.259 min Scan# 1072  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

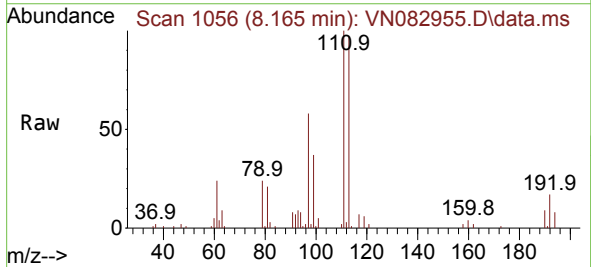
Instrument :  
MSVOA\_N  
ClientSampleId :



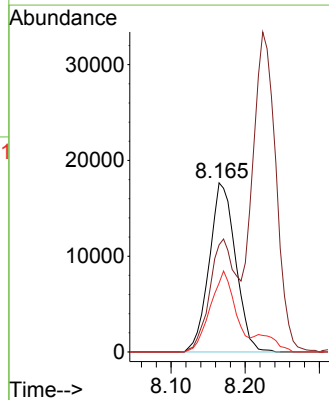
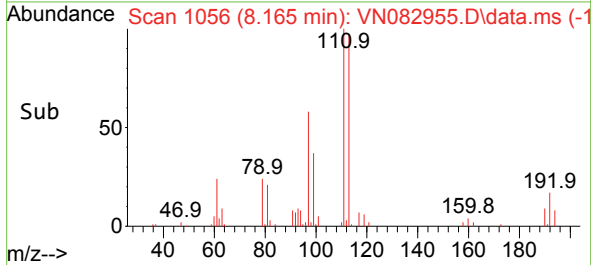
Tgt Ion: 56 Resp: 36240  
Ion Ratio Lower Upper  
56 100  
69 27.3 24.5 36.7  
84 82.7 66.0 99.0

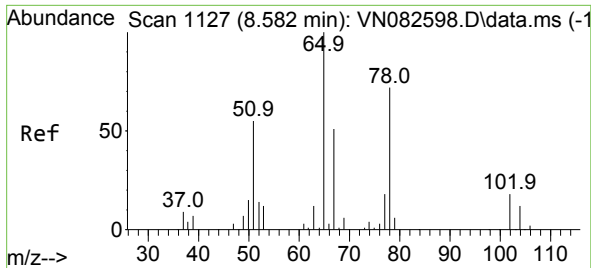


#32  
1,1,1-Trichloroethane  
Concen: 18.371 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44



Tgt Ion: 97 Resp: 43578  
Ion Ratio Lower Upper  
97 100  
99 67.3 52.0 78.0  
61 45.6 42.1 63.1

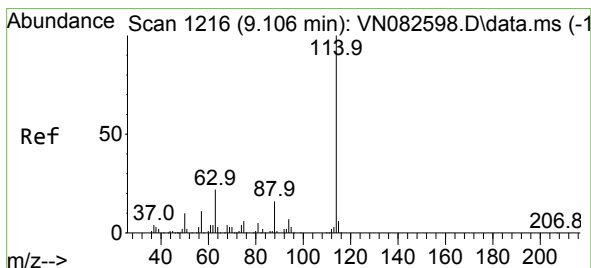
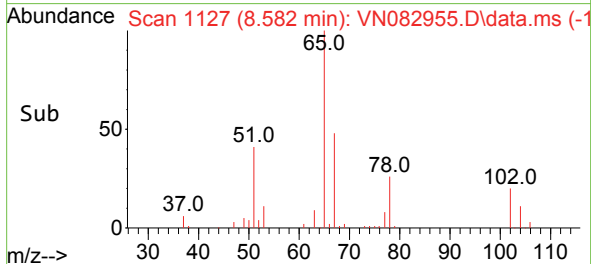
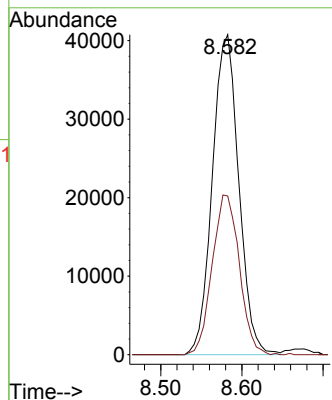
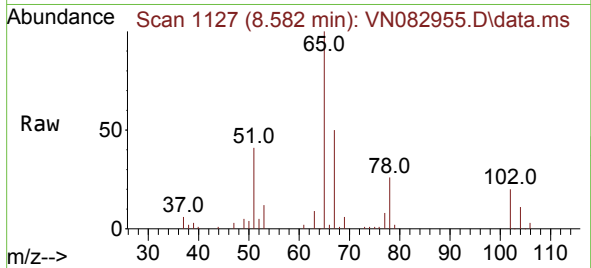




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.217 ug/l  
 RT: 8.582 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

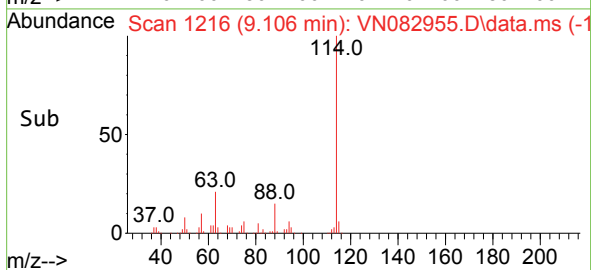
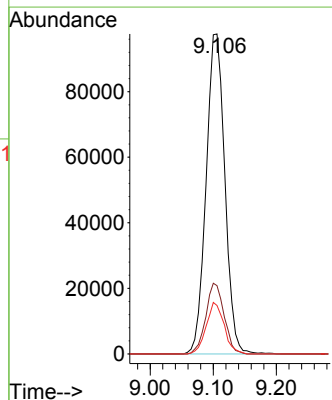
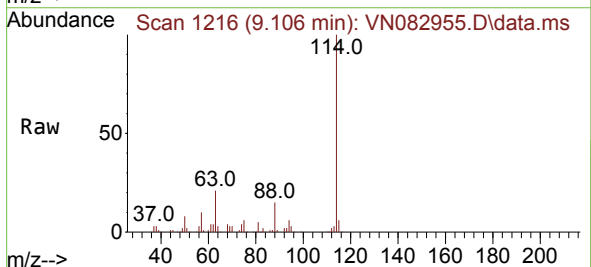
Instrument :  
 MSVOA\_N  
 ClientSampleId :

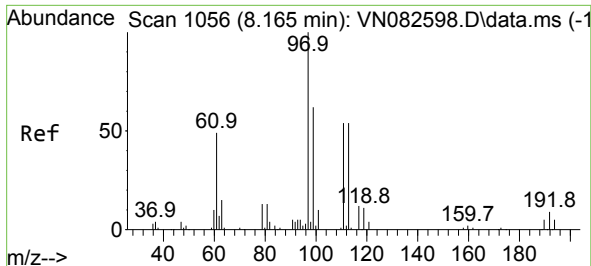
Tgt Ion: 65 Resp: 92290  
 Ion Ratio Lower Upper  
 65 100  
 67 51.2 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.106 min Scan# 1216  
 Delta R.T. -0.000 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

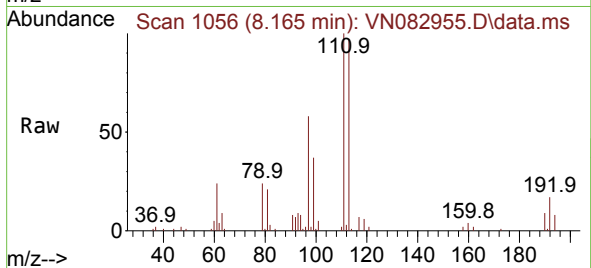
Tgt Ion: 114 Resp: 201422  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 44.6  
 88 15.2 0.0 31.4



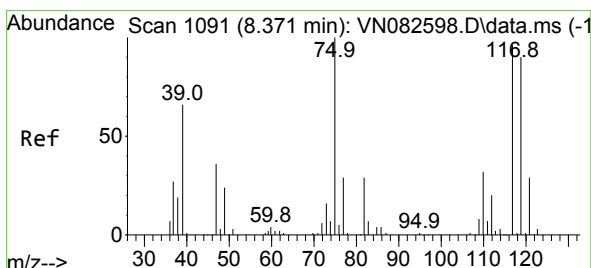
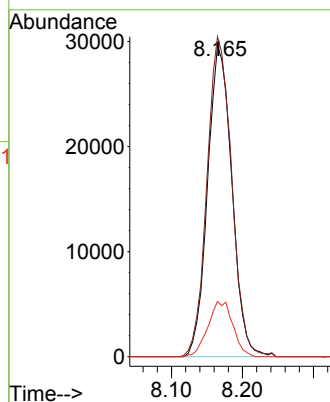
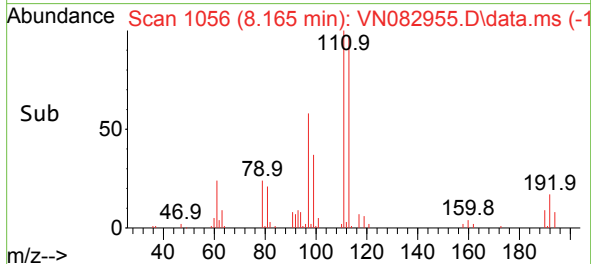


#35  
Dibromofluoromethane  
Concen: 54.465 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :

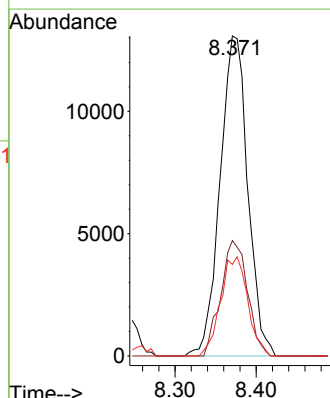
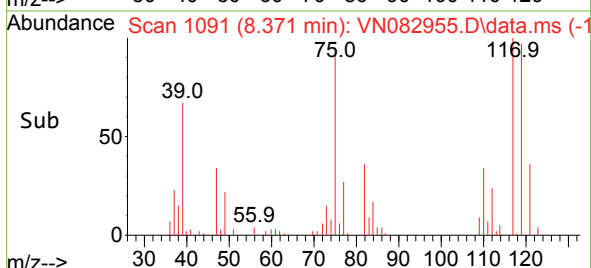
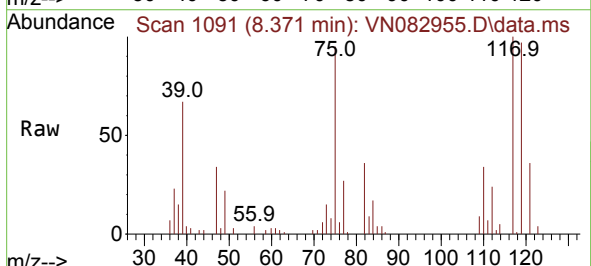


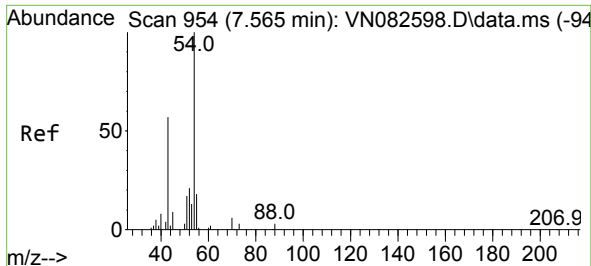
Tgt Ion:113 Resp: 70394  
Ion Ratio Lower Upper  
113 100  
111 104.5 82.4 123.6  
192 18.3 14.9 22.3



#36  
1,1-Dichloropropene  
Concen: 17.406 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

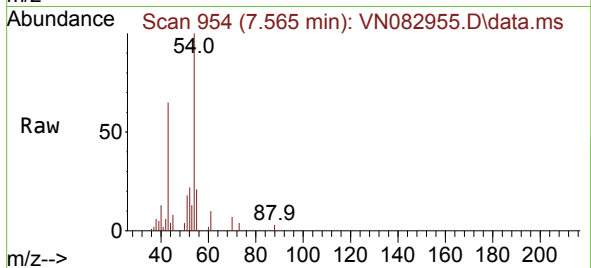
Tgt Ion: 75 Resp: 31018  
Ion Ratio Lower Upper  
75 100  
110 34.8 16.3 48.9  
77 30.4 24.6 37.0



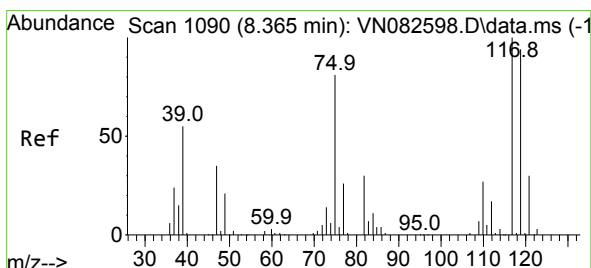
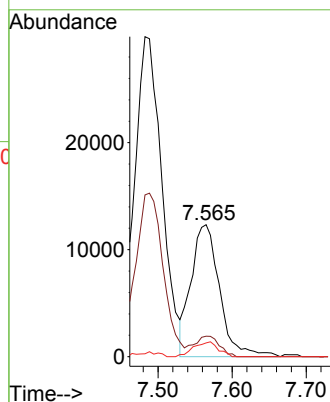
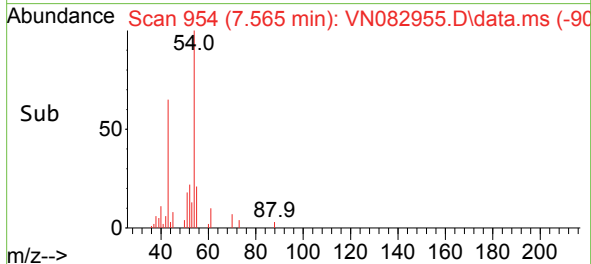


#37  
Ethyl Acetate  
Concen: 18.228 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :

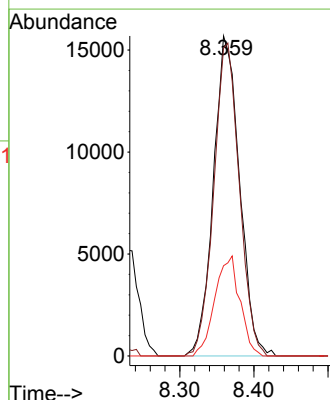
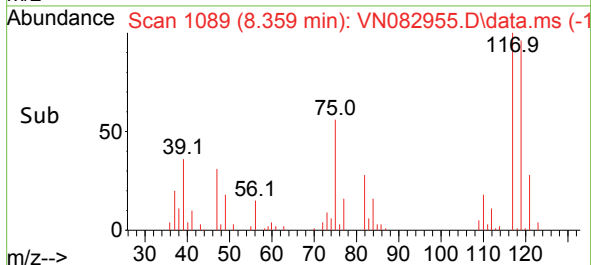
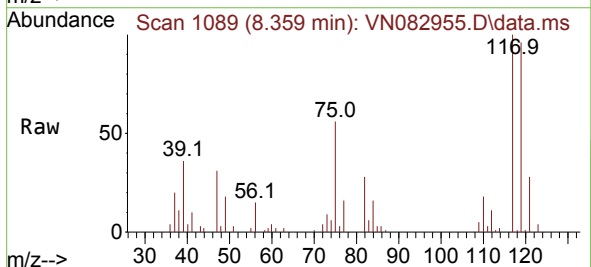


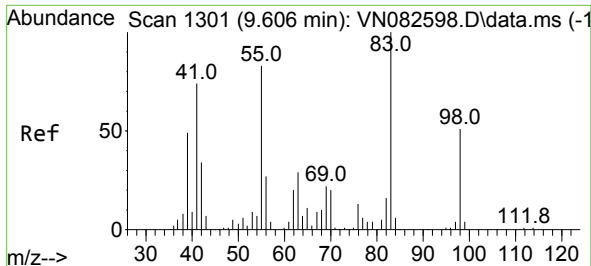
Tgt Ion: 43 Resp: 33070  
Ion Ratio Lower Upper  
43 100  
61 12.8 9.3 13.9  
70 9.7 7.0 10.6



#38  
Carbon Tetrachloride  
Concen: 17.927 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion: 117 Resp: 38463  
Ion Ratio Lower Upper  
117 100  
119 96.2 74.9 112.3  
121 28.2 24.3 36.5





#39

Methylcyclohexane

Concen: 14.935 ug/l

RT: 9.606 min Scan# 11301

Delta R.T. -0.000 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

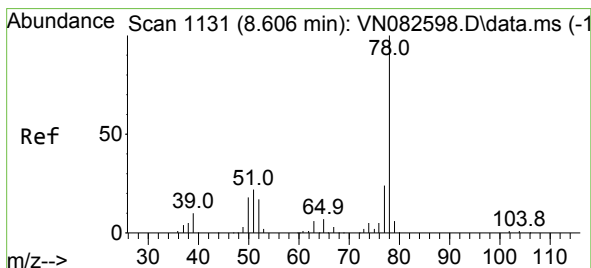
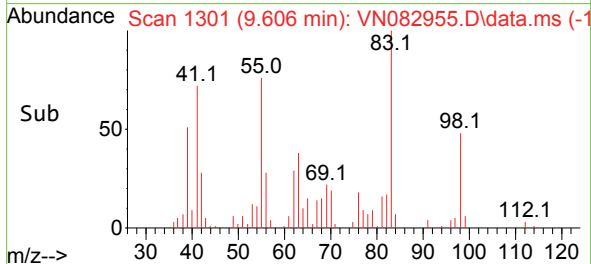
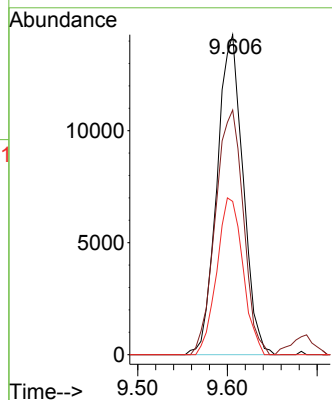
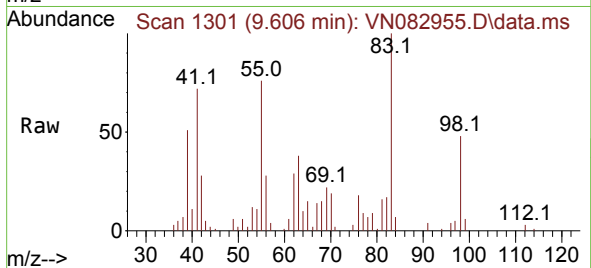
Tgt Ion: 83 Resp: 28748

Ion Ratio Lower Upper

83 100

55 76.4 66.4 99.6

98 47.9 40.7 61.1



#40

Benzene

Concen: 18.499 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN082955.D

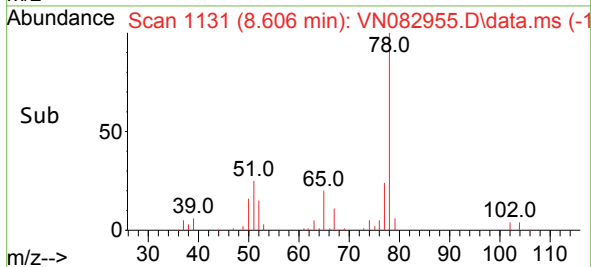
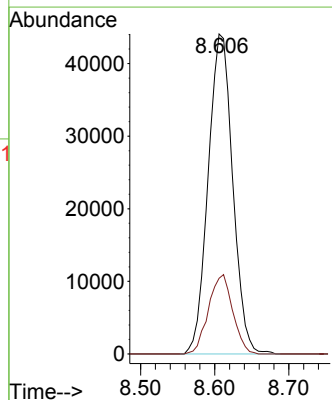
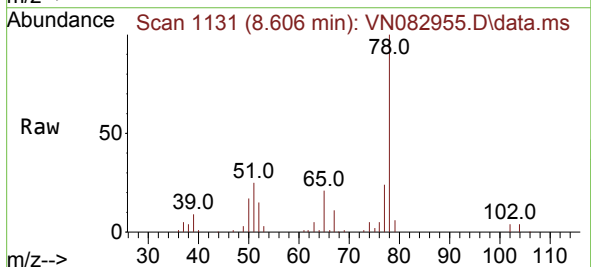
Acq: 17 Jul 2024 11:44

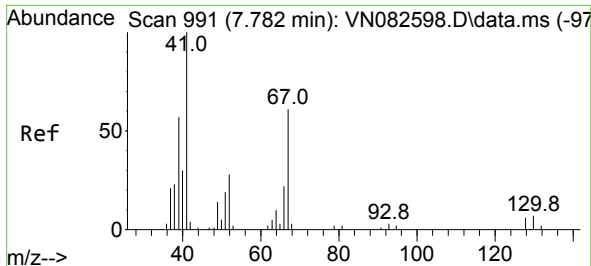
Tgt Ion: 78 Resp: 101399

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4

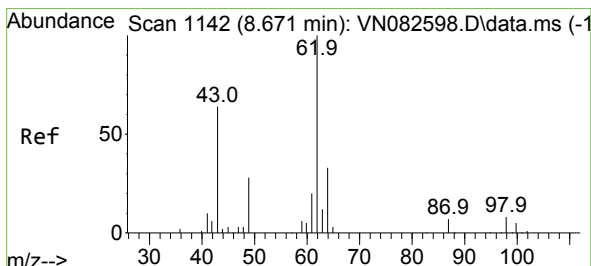
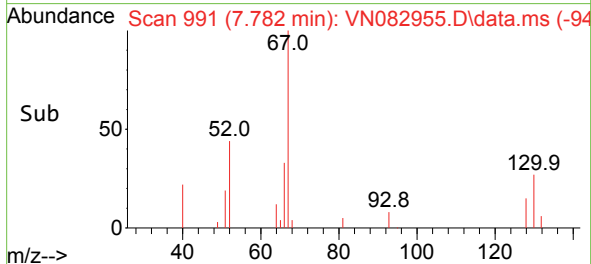
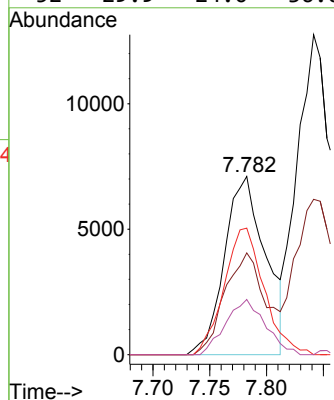
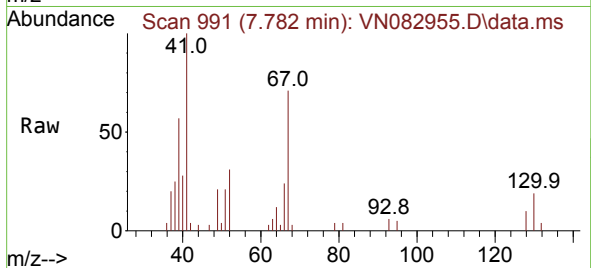




#41  
Methacrylonitrile  
Concen: 18.201 ug/l  
RT: 7.782 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

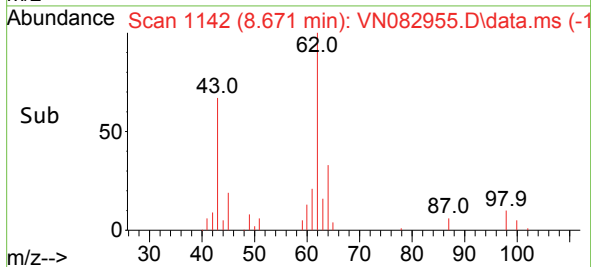
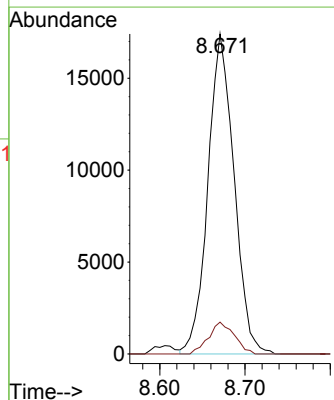
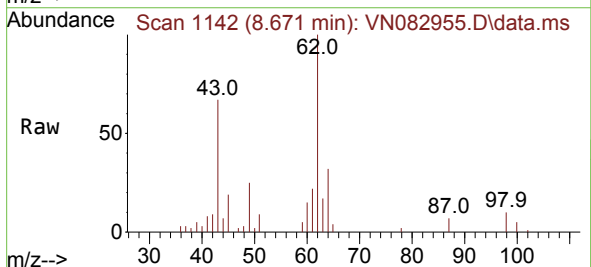
Instrument :  
MSVOA\_N  
ClientSampleId :

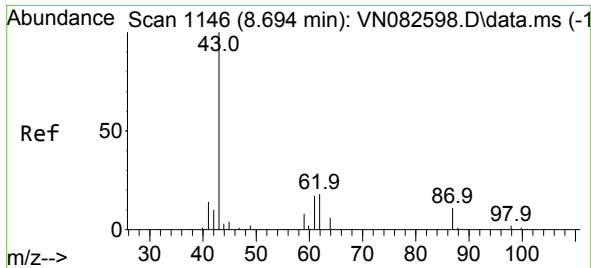
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 17790 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.3  | 45.5  | 68.3  |
| 67       | 69.3  | 50.5  | 75.7  |
| 52       | 29.9  | 24.0  | 36.0  |



#42  
1,2-Dichloroethane  
Concen: 18.838 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 37173 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.8   | 0.0   | 15.8  |

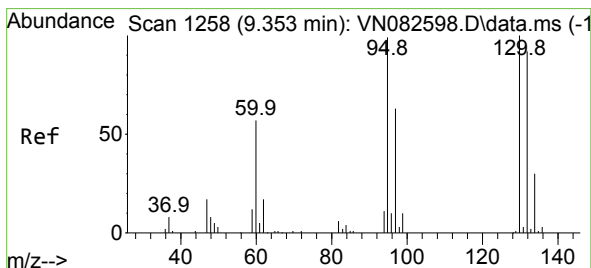
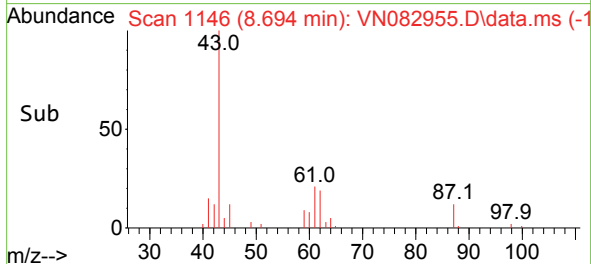
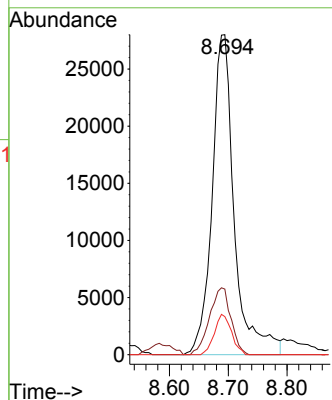
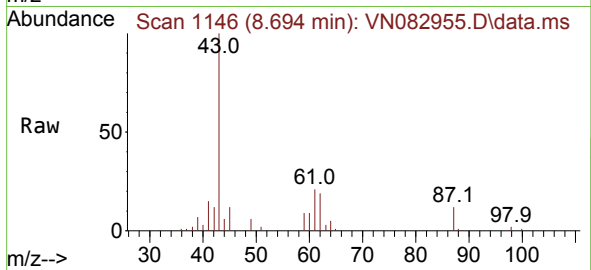




#43  
Isopropyl Acetate  
Concen: 19.694 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

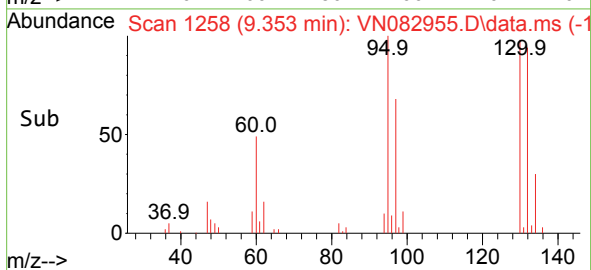
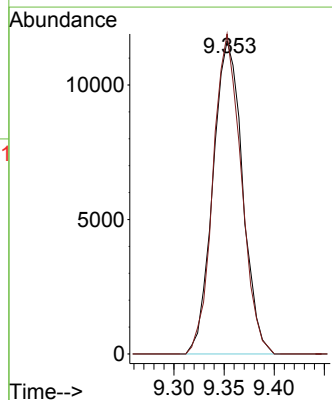
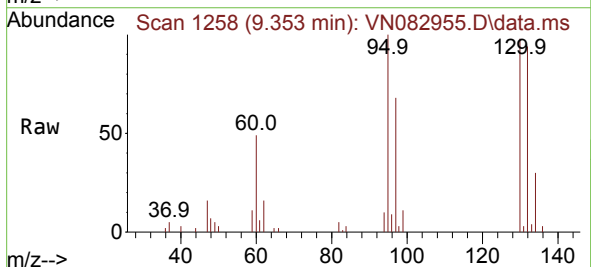
Instrument :  
MSVOA\_N  
ClientSampleId :

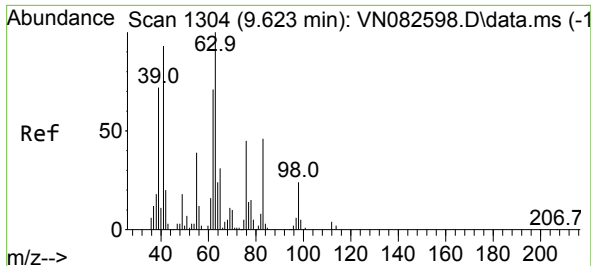
Tgt Ion: 43 Resp: 73521  
Ion Ratio Lower Upper  
43 100  
61 20.1 17.8 26.6  
87 9.7 8.2 12.2



#44  
Trichloroethene  
Concen: 16.980 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion:130 Resp: 23845  
Ion Ratio Lower Upper  
130 100  
95 102.2 0.0 197.8





#45

1,2-Dichloropropane

Concen: 20.495 ug/l

RT: 9.624 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

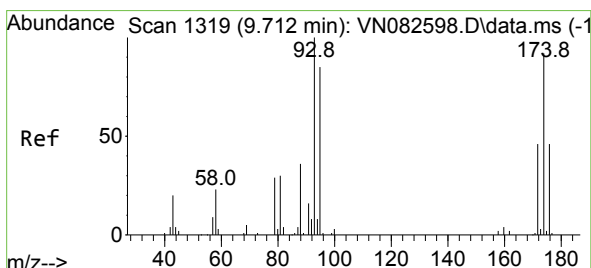
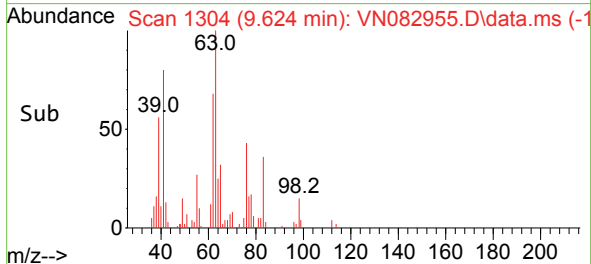
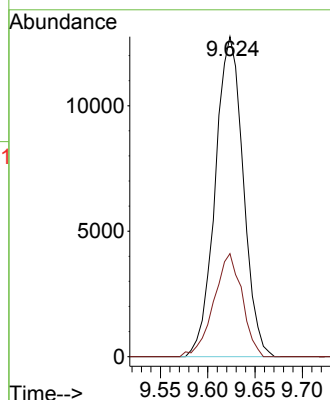
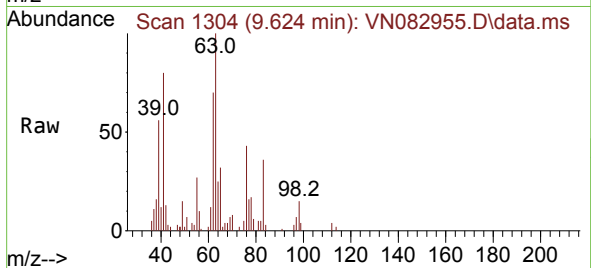
ClientSampleId :

Tgt Ion: 63 Resp: 26228

Ion Ratio Lower Upper

63 100

65 32.2 24.4 36.6



#46

Dibromomethane

Concen: 18.968 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

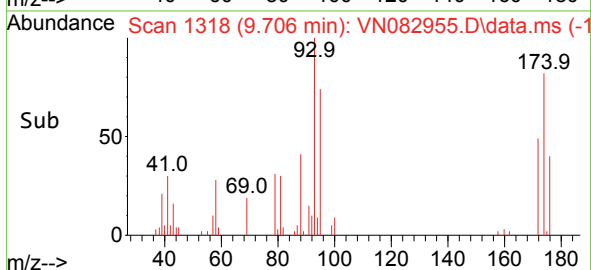
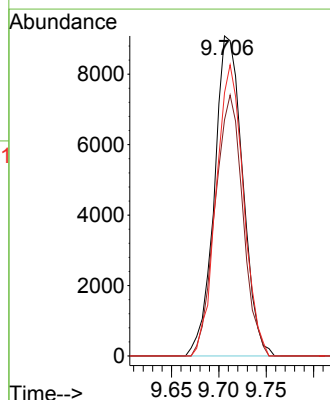
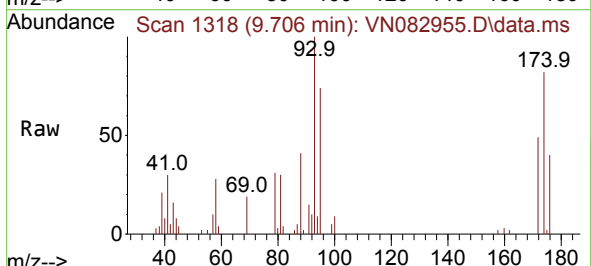
Tgt Ion: 93 Resp: 18910

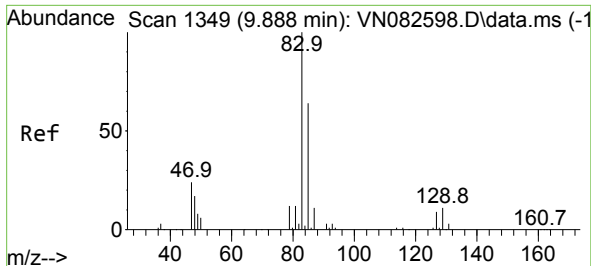
Ion Ratio Lower Upper

93 100

95 79.9 65.8 98.6

174 87.8 71.7 107.5

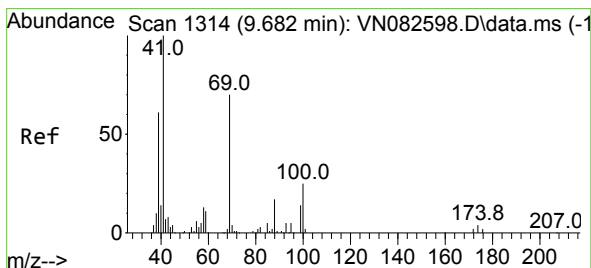
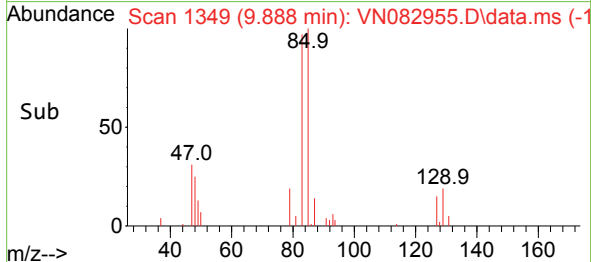
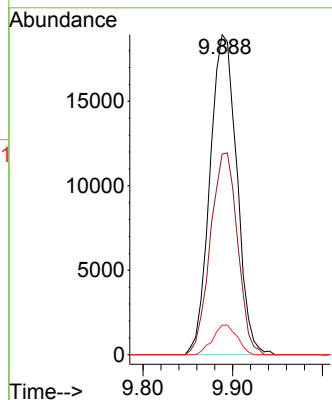
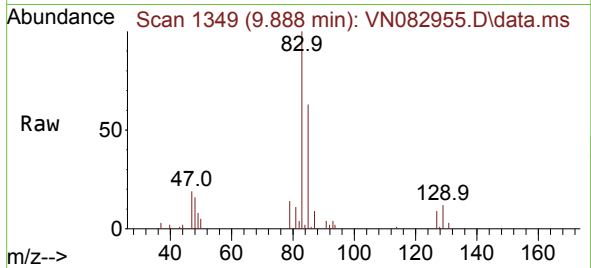




#47  
Bromodichloromethane  
Concen: 19.099 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

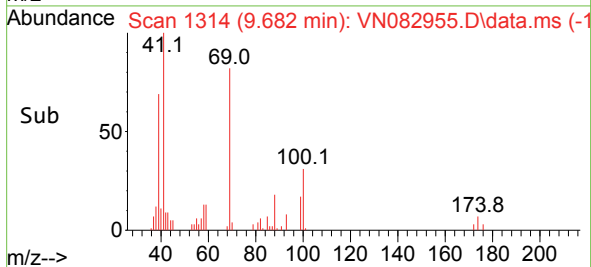
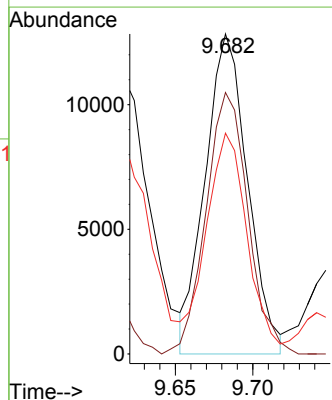
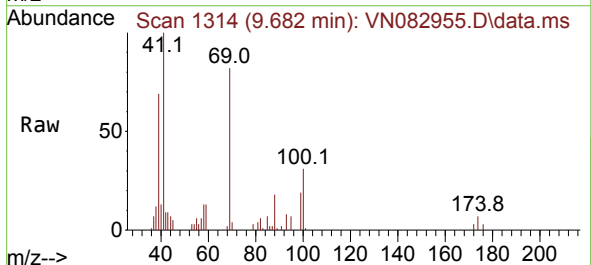
Instrument :  
MSVOA\_N  
ClientSampleId :

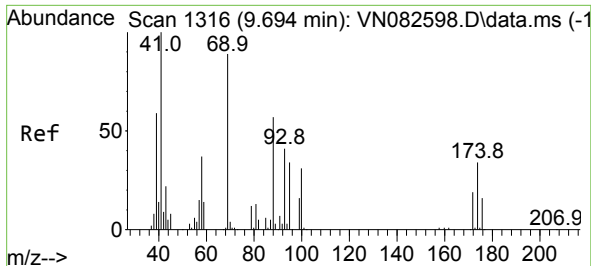
Tgt Ion: 83 Resp: 39343  
Ion Ratio Lower Upper  
83 100  
85 62.7 51.1 76.7  
127 9.2 7.2 10.8



#48  
Methyl methacrylate  
Concen: 17.124 ug/l  
RT: 9.682 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion: 41 Resp: 24360  
Ion Ratio Lower Upper  
41 100  
69 81.1 56.3 84.5  
39 67.1 50.3 75.5





#49

1,4-Dioxane

Concen: 299.445 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

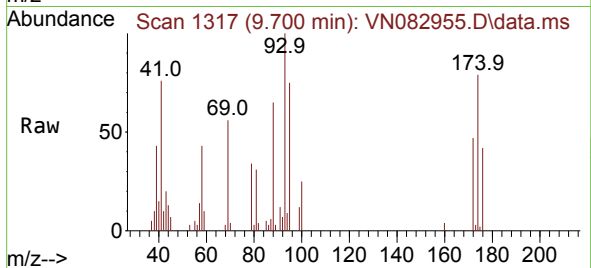
Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :



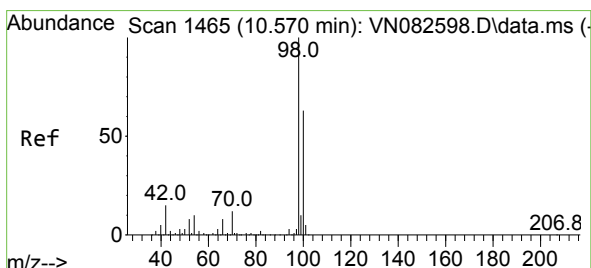
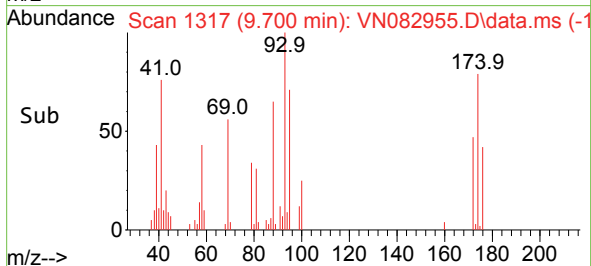
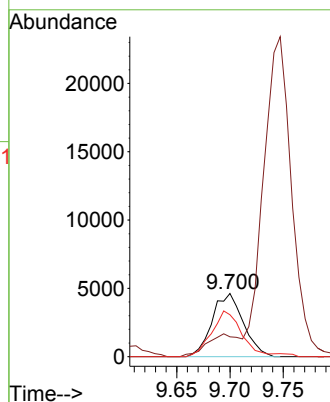
Tgt Ion: 88 Resp: 9409

Ion Ratio Lower Upper

88 100

43 33.2 27.8 41.8

58 71.9 59.4 89.0



#50

Toluene-d8

Concen: 53.700 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.001 min

Lab File: VN082955.D

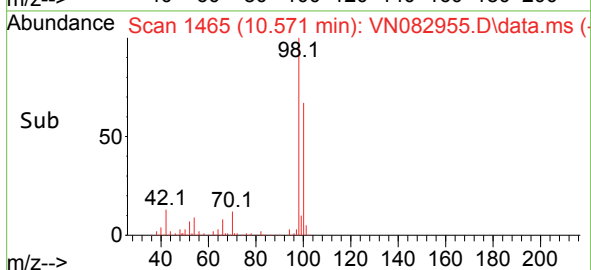
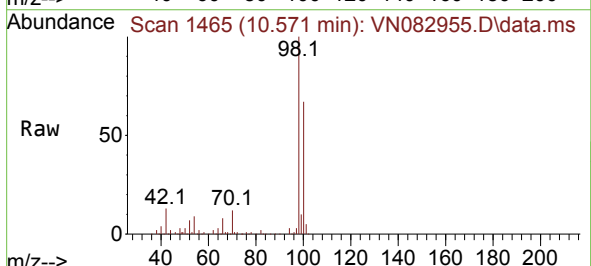
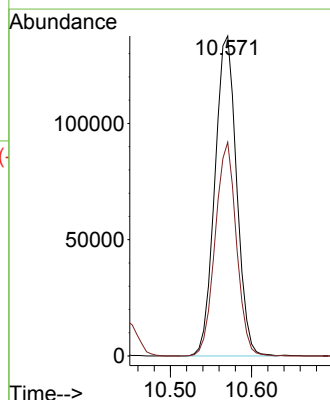
Acq: 17 Jul 2024 11:44

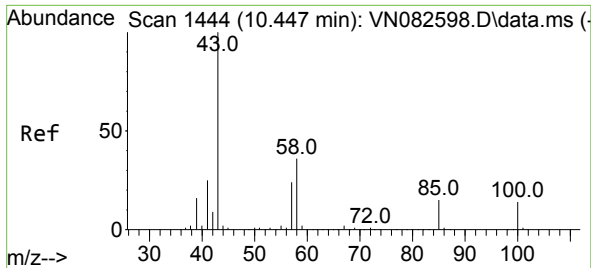
Tgt Ion: 98 Resp: 256350

Ion Ratio Lower Upper

98 100

100 65.2 51.5 77.3

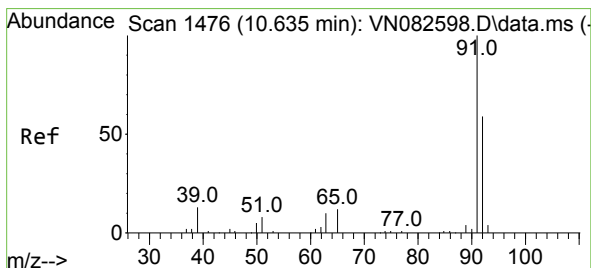
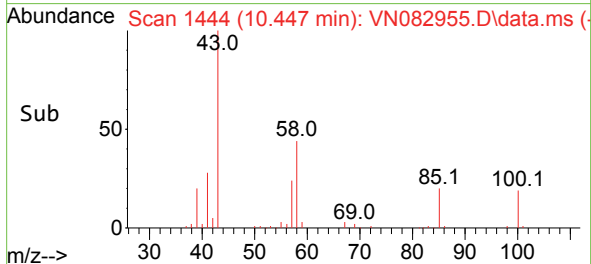
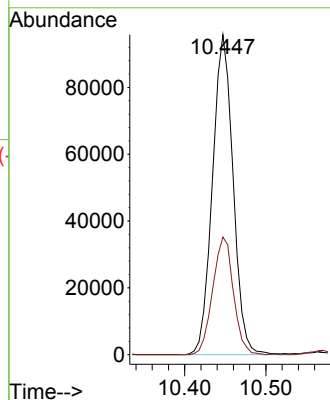
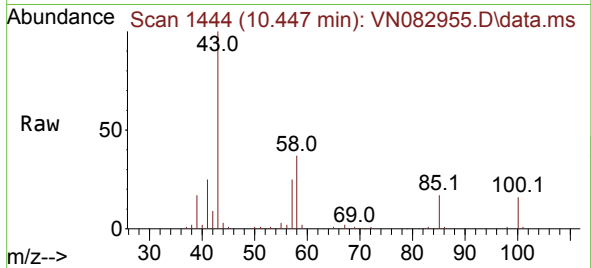




#51  
4-Methyl-2-Pentanone  
Concen: 94.067 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

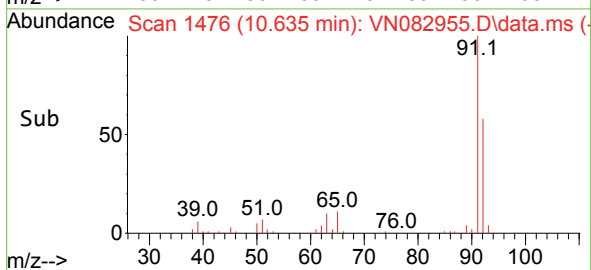
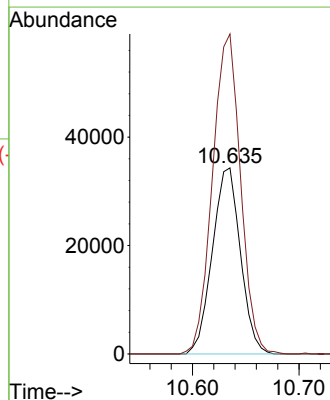
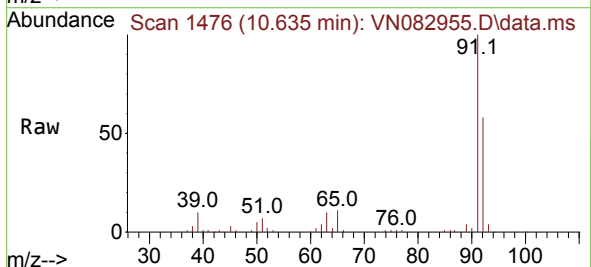
Instrument :  
MSVOA\_N  
ClientSampleId :

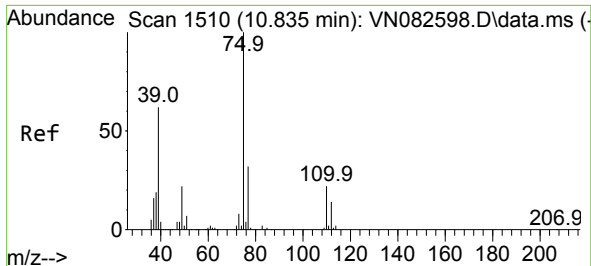
Tgt Ion: 43 Resp: 169187  
Ion Ratio Lower Upper  
43 100  
58 36.8 28.2 42.4



#52  
Toluene  
Concen: 18.349 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion: 92 Resp: 62828  
Ion Ratio Lower Upper  
92 100  
91 171.9 139.4 209.0

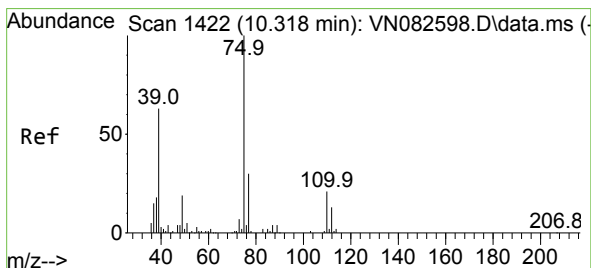
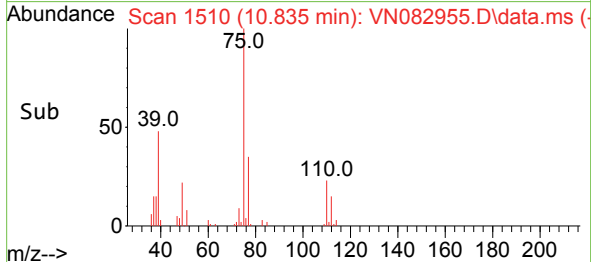
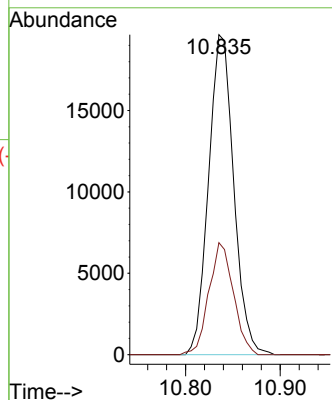
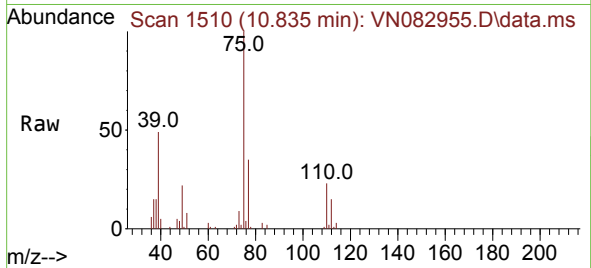




#53  
 t-1,3-Dichloropropene  
 Concen: 17.110 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. 0.000 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

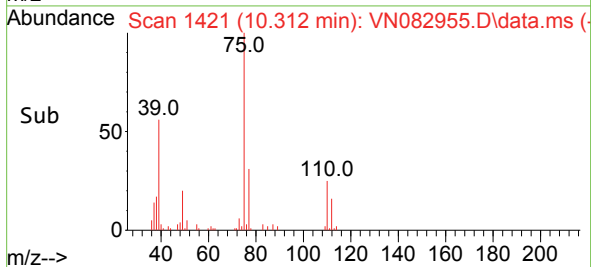
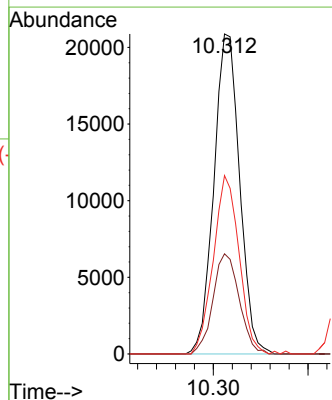
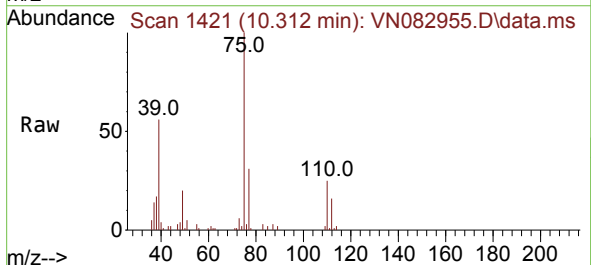
Instrument :  
 MSVOA\_N  
 ClientSampleId :

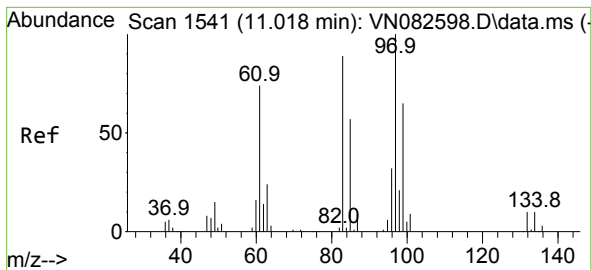
Tgt Ion: 75 Resp: 36309  
 Ion Ratio Lower Upper  
 75 100  
 77 35.0 25.7 38.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 17.569 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. -0.006 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

Tgt Ion: 75 Resp: 39463  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 24.3 36.5  
 39 55.8 50.5 75.7

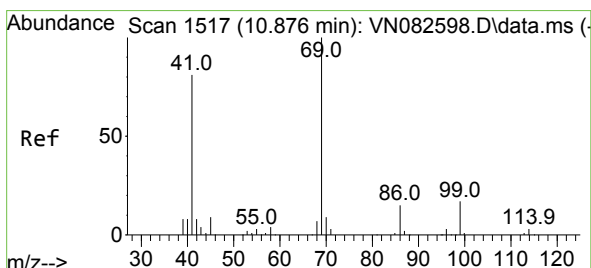
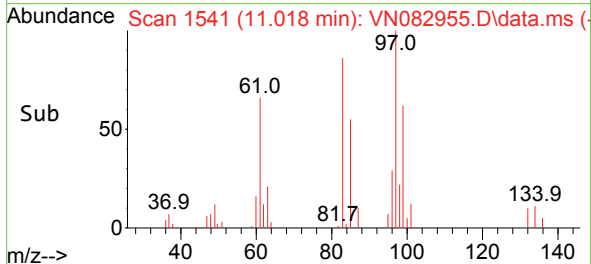
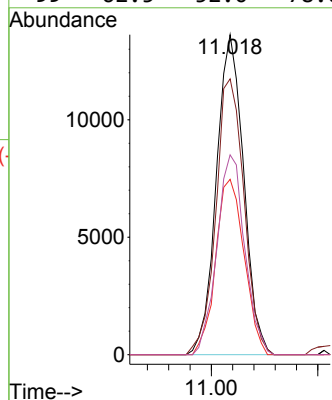
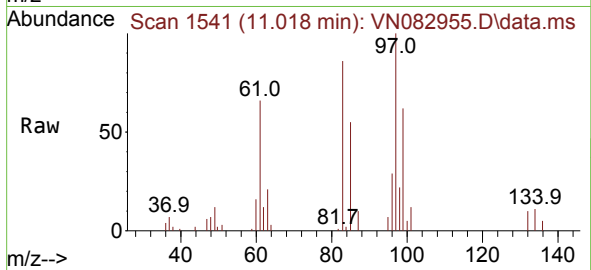




#55  
1,1,2-Trichloroethane  
Concen: 19.210 ug/l  
RT: 11.018 min Scan# 1541  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

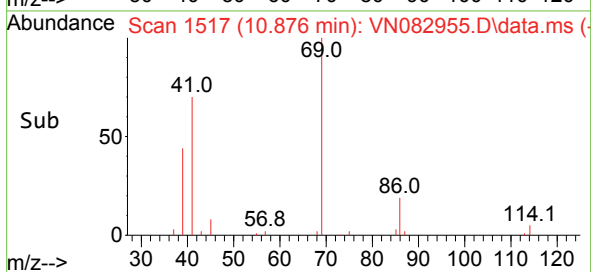
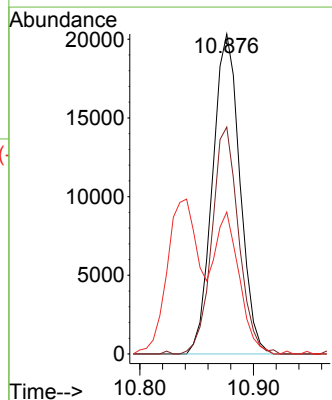
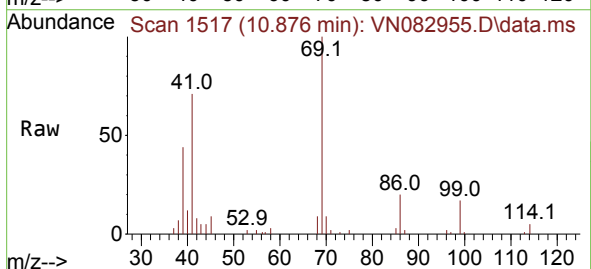
Instrument :  
MSVOA\_N  
ClientSampleId :

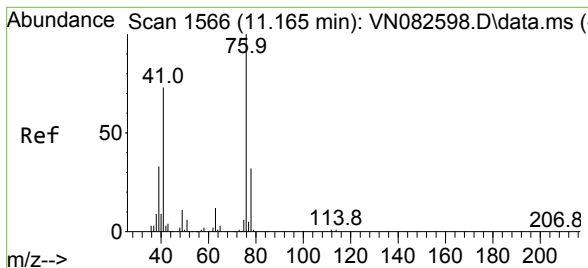
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 24187 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.2  | 71.4  | 107.0 |
| 85       | 54.8  | 45.8  | 68.6  |
| 99       | 62.5  | 52.0  | 78.0  |



#56  
Ethyl methacrylate  
Concen: 17.341 ug/l  
RT: 10.876 min Scan# 1517  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

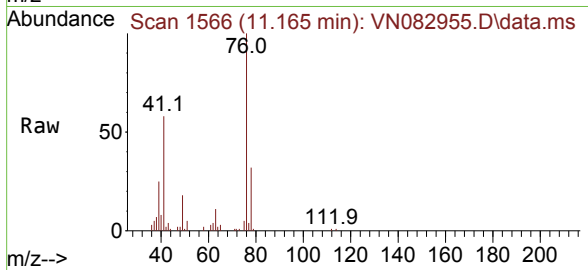
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 33970 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 69.4  | 63.4  | 95.2  |
| 39       | 40.3  | 37.4  | 56.0  |



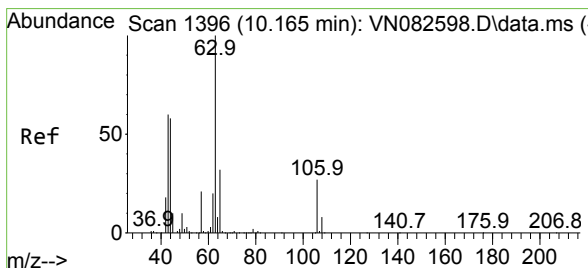
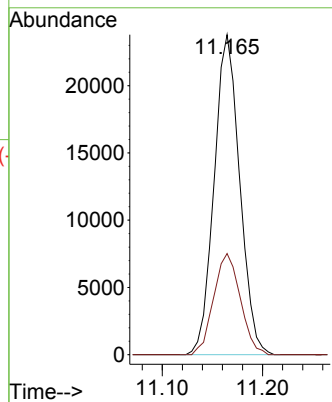
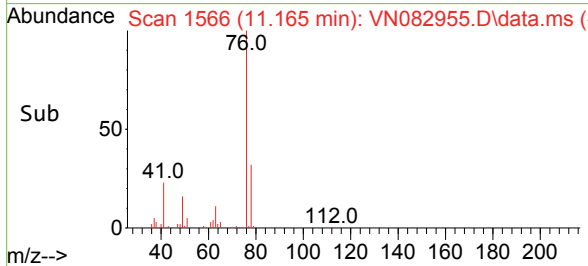


#57  
1,3-Dichloropropane  
Concen: 18.876 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :

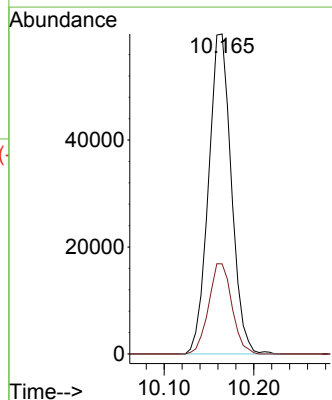
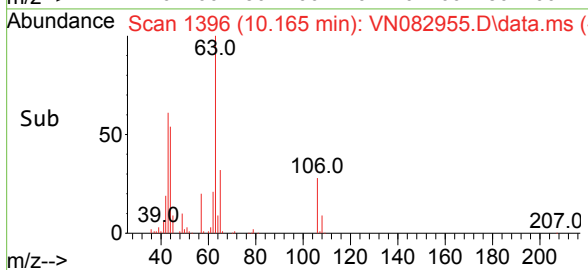
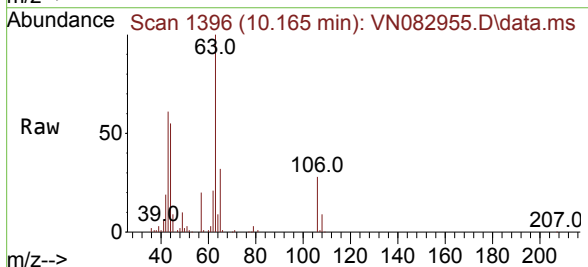


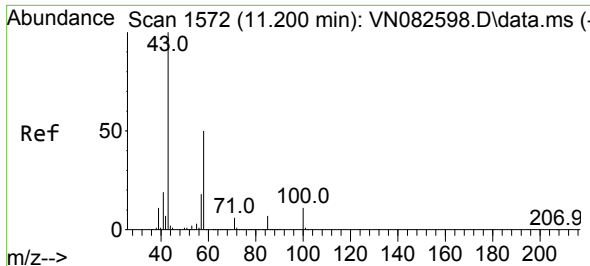
Tgt Ion: 76 Resp: 42070  
Ion Ratio Lower Upper  
76 100  
78 33.0 25.6 38.4



#58  
2-Chloroethyl Vinyl ether  
Concen: 105.154 ug/l  
RT: 10.165 min Scan# 1396  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion: 63 Resp: 105698  
Ion Ratio Lower Upper  
63 100  
106 28.8 21.4 32.0

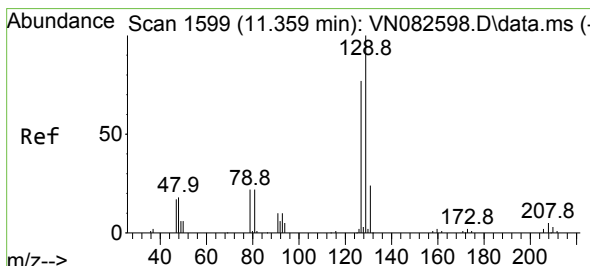
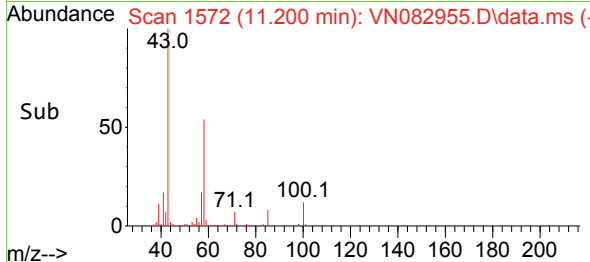
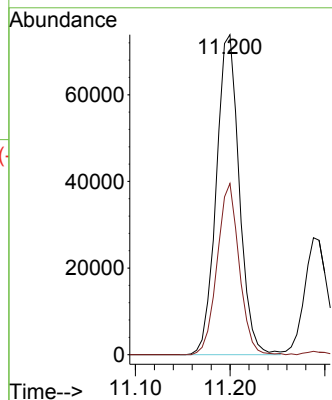
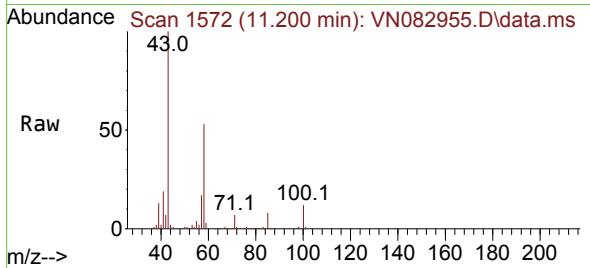




#59  
2-Hexanone  
Concen: 93.277 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

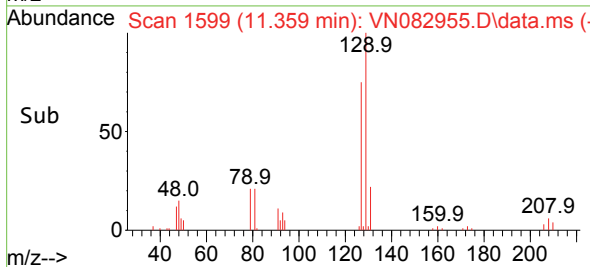
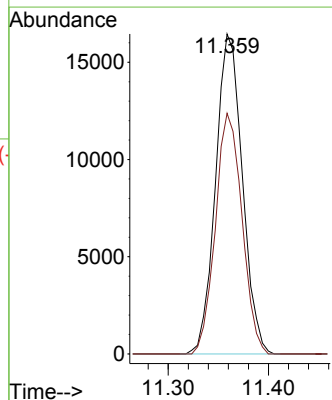
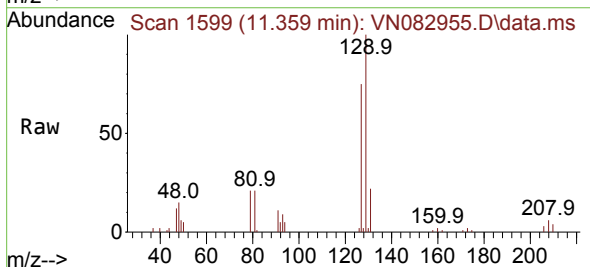
Instrument :  
MSVOA\_N  
ClientSampleId :

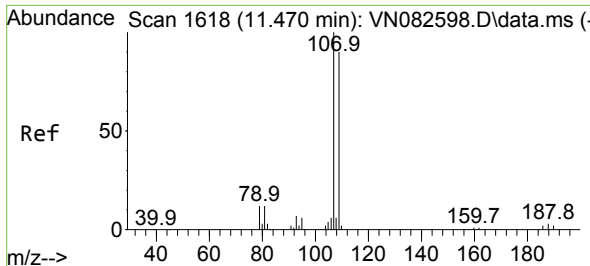
Tgt Ion: 43 Resp: 124732  
Ion Ratio Lower Upper  
43 100  
58 51.2 24.6 73.8



#60  
Dibromochloromethane  
Concen: 18.981 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion:129 Resp: 30439  
Ion Ratio Lower Upper  
129 100  
127 74.7 39.2 117.6

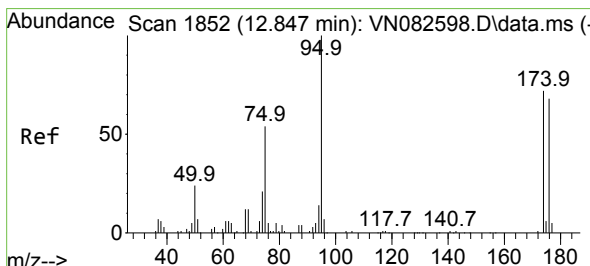
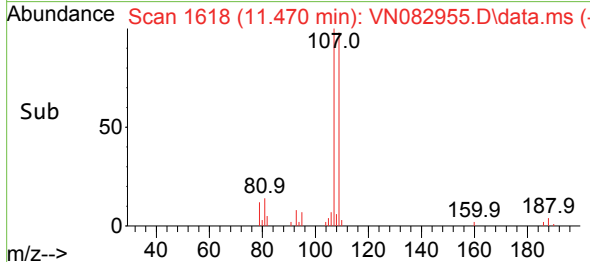
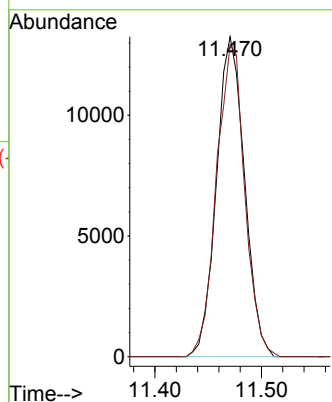
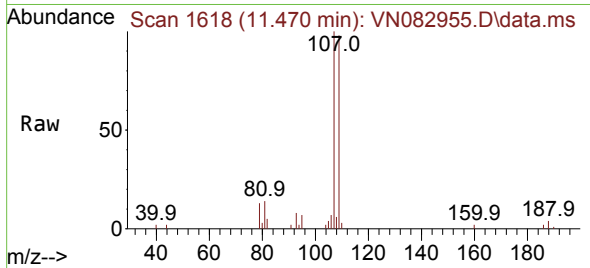




#61  
1,2-Dibromoethane  
Concen: 18.121 ug/l  
RT: 11.470 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

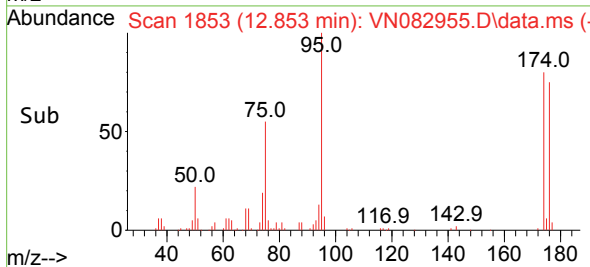
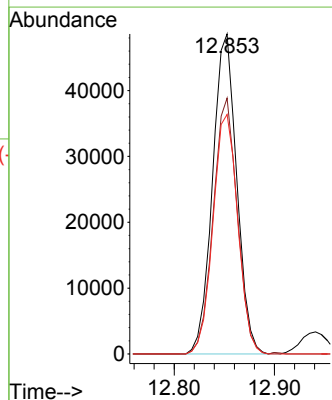
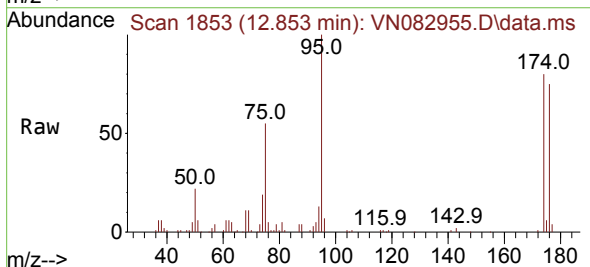
Instrument :  
MSVOA\_N  
ClientSampleId :

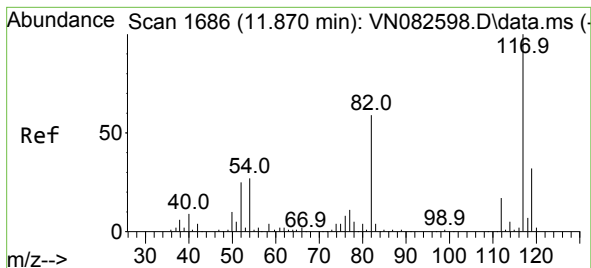
Tgt Ion:107 Resp: 24230  
Ion Ratio Lower Upper  
107 100  
109 98.2 73.7 110.5



#62  
4-Bromofluorobenzene  
Concen: 47.455 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion: 95 Resp: 81375  
Ion Ratio Lower Upper  
95 100  
174 79.5 0.0 159.2  
176 76.6 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

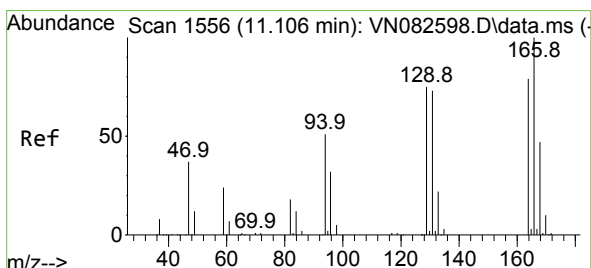
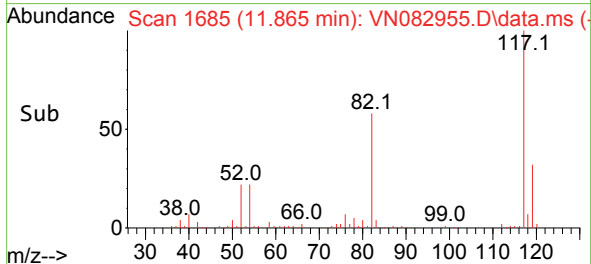
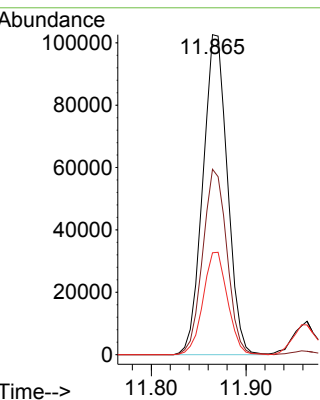
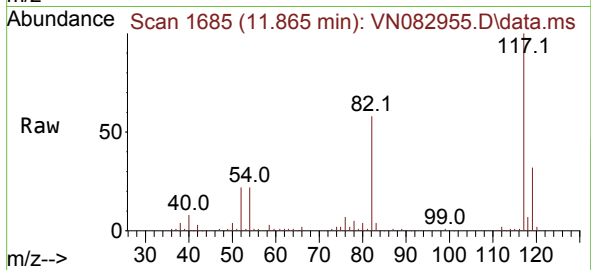
Tgt Ion:117 Resp: 184696

Ion Ratio Lower Upper

117 100

82 57.9 47.5 71.3

119 31.9 25.6 38.4



#64

Tetrachloroethene

Concen: 16.867 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

Tgt Ion:164 Resp: 23242

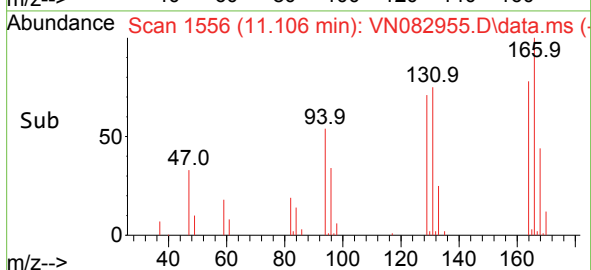
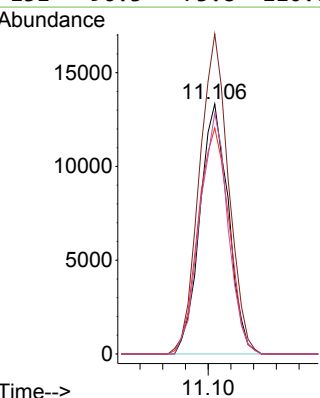
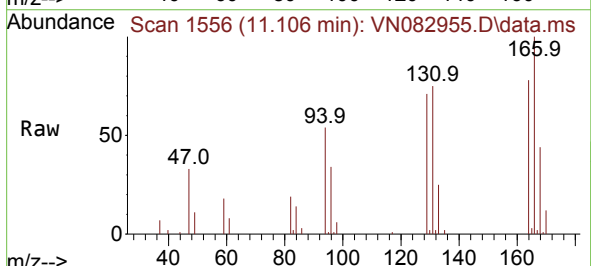
Ion Ratio Lower Upper

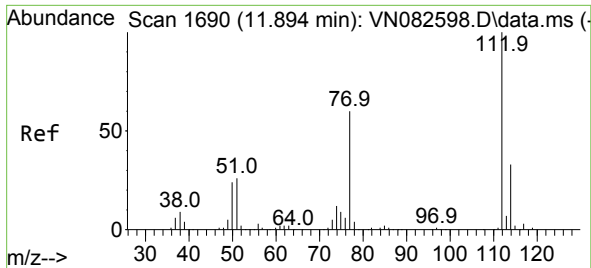
164 100

166 127.9 101.4 152.0

129 90.4 75.7 113.5

131 96.3 73.8 110.6

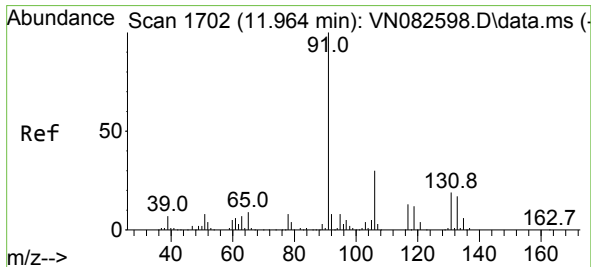
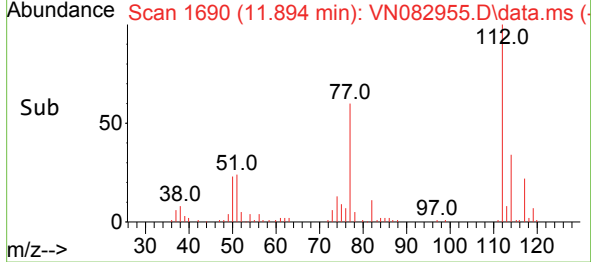
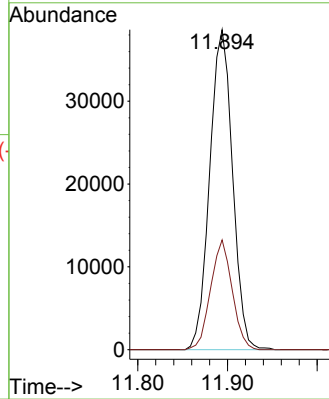
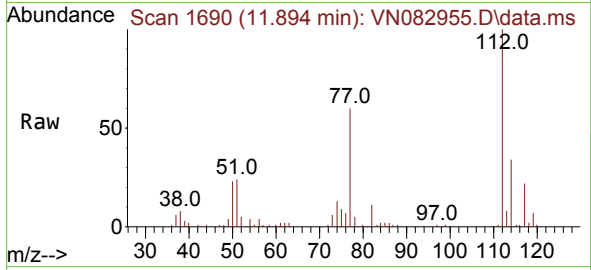




#65  
Chlorobenzene  
Concen: 17.245 ug/l  
RT: 11.894 min Scan# 1119  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

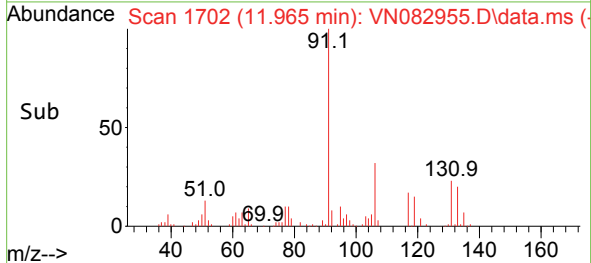
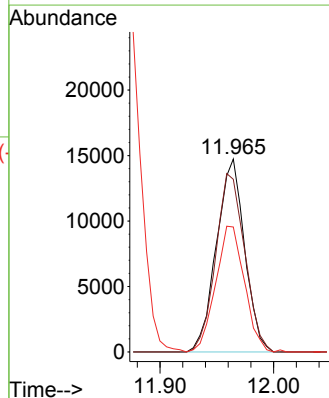
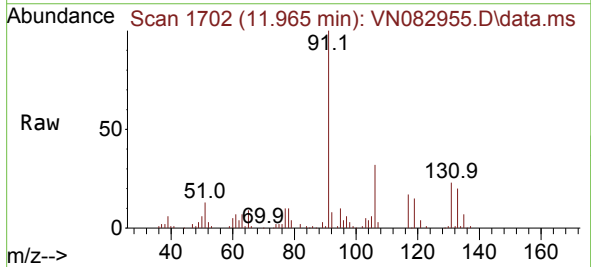
Instrument :  
MSVOA\_N  
ClientSampleId :

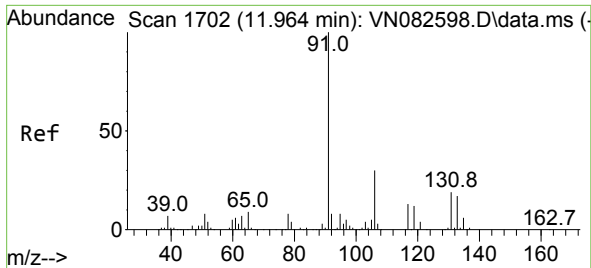
Tgt Ion:112 Resp: 68252  
Ion Ratio Lower Upper  
112 100  
114 34.3 26.2 39.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.027 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.001 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion:131 Resp: 25378  
Ion Ratio Lower Upper  
131 100  
133 95.5 47.3 142.0  
119 66.8 32.5 97.4

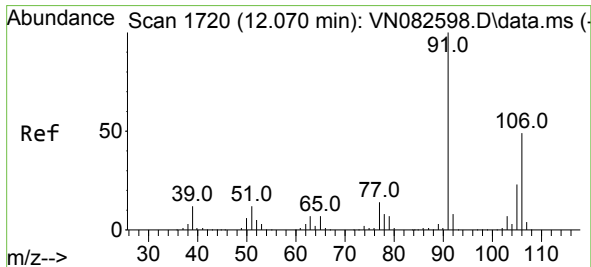
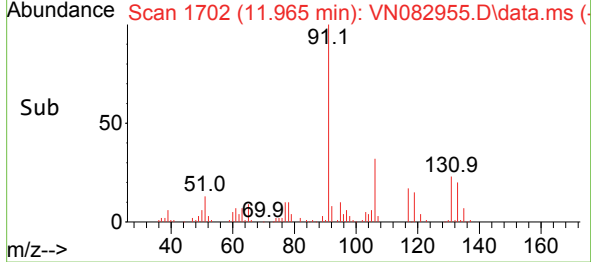
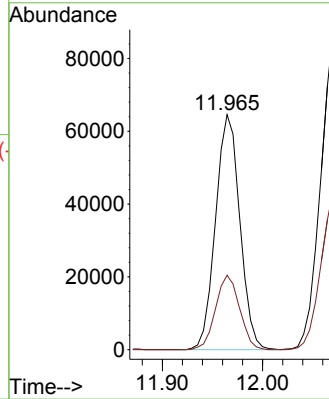
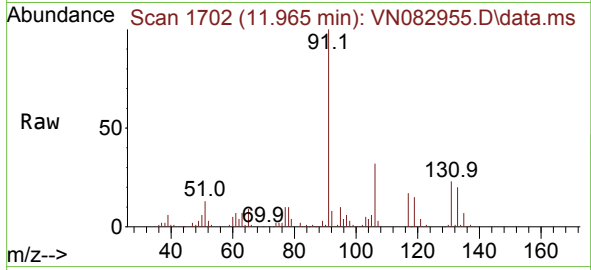




#67  
Ethyl Benzene  
Concen: 16.318 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.001 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

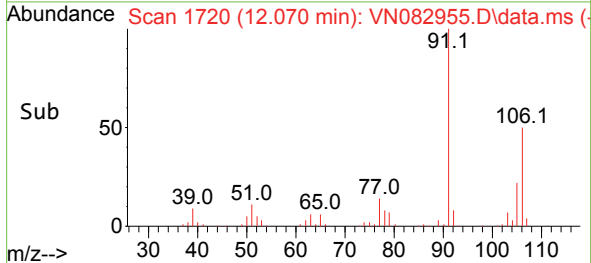
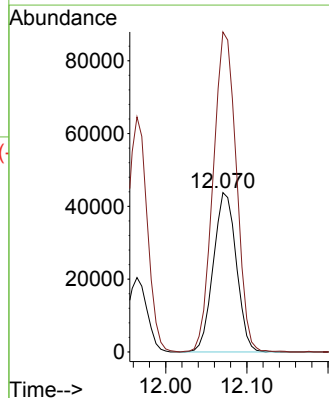
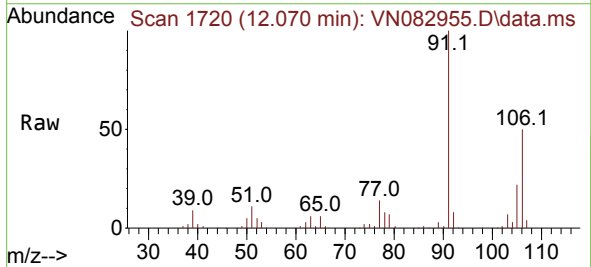
Instrument :  
MSVOA\_N  
ClientSampleId :

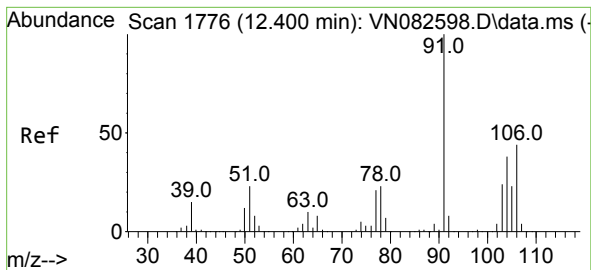
Tgt Ion: 91 Resp: 108543  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.0 36.0



#68  
m/p-Xylenes  
Concen: 34.331 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion:106 Resp: 86215  
Ion Ratio Lower Upper  
106 100  
91 202.7 166.1 249.1

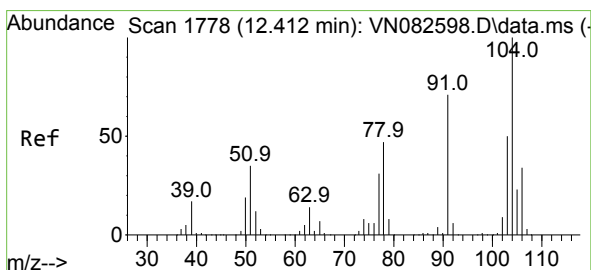
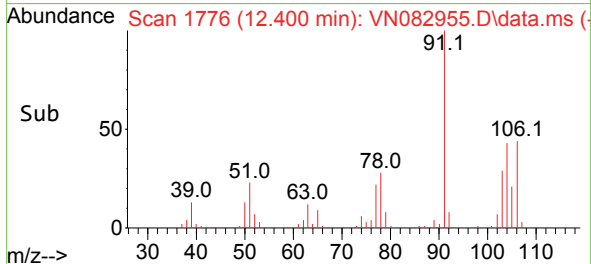
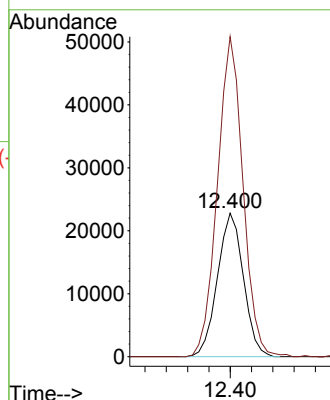
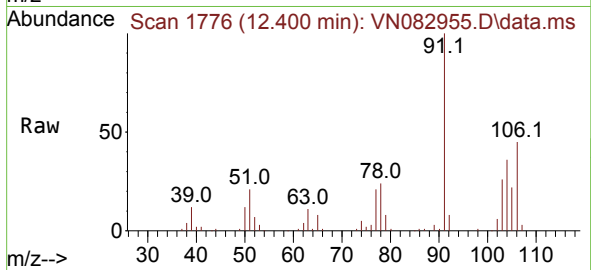




#69  
o-Xylene  
Concen: 16.031 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

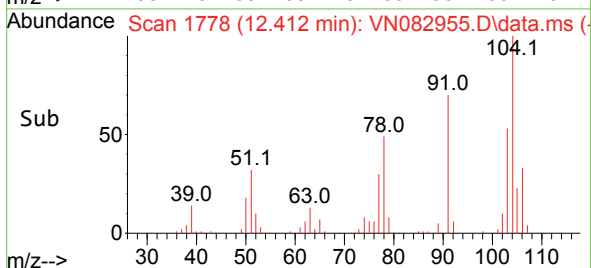
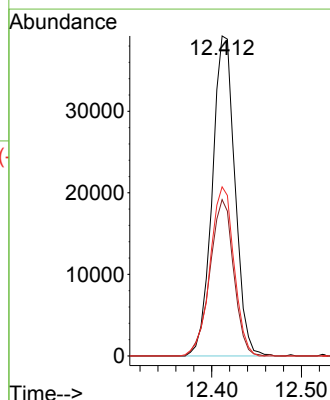
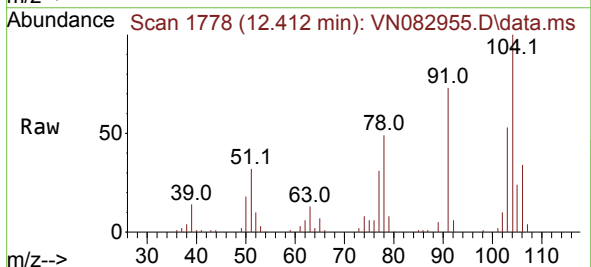
Instrument :  
MSVOA\_N  
ClientSampleId :

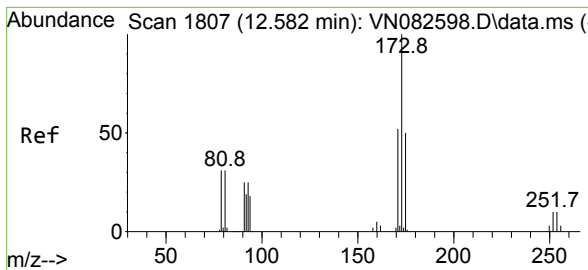
Tgt Ion:106 Resp: 38574  
Ion Ratio Lower Upper  
106 100  
91 219.2 111.3 333.9



#70  
Styrene  
Concen: 17.322 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion:104 Resp: 68871  
Ion Ratio Lower Upper  
104 100  
78 50.9 41.6 62.4  
103 55.6 44.0 66.0

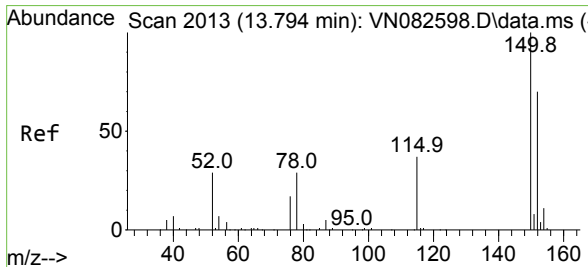
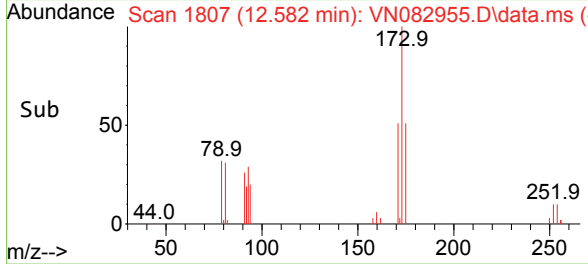
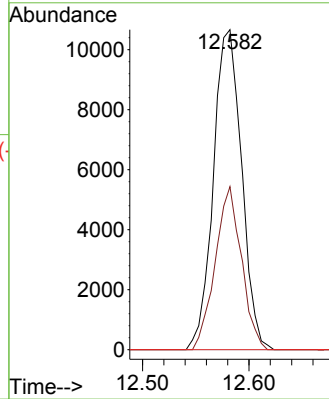
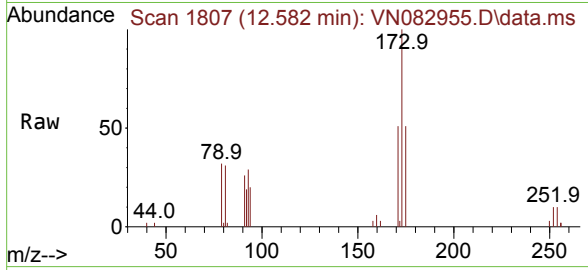




#71  
Bromoform  
Concen: 17.742 ug/l  
RT: 12.582 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

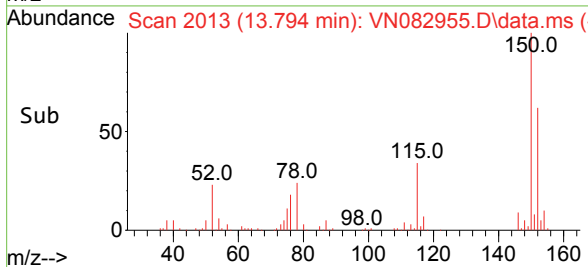
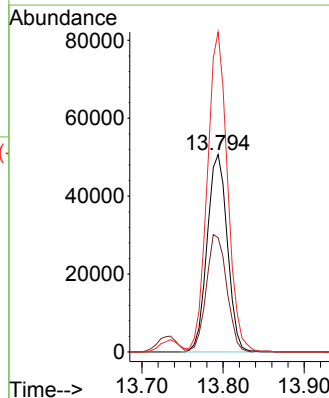
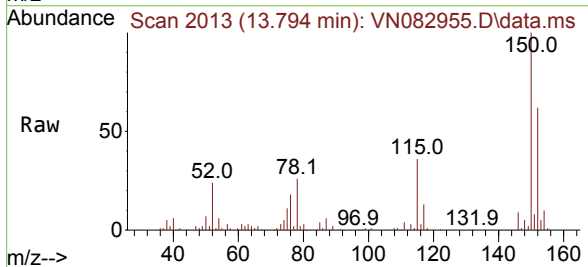
Instrument :  
MSVOA\_N  
ClientSampleId :

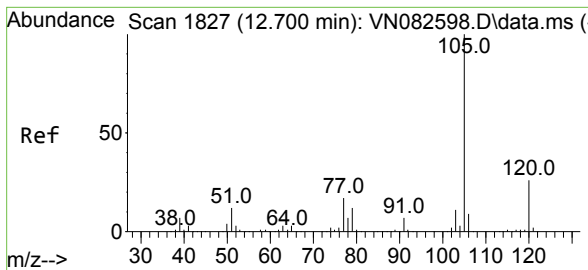
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 19643 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 47.3  | 24.0  | 72.0  |
| 254       | 0.0   | 0.0   | 0.0   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 87584 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 60.3  | 30.6  | 91.6  |
| 150       | 162.0 | 0.0   | 348.6 |





#73

Isopropylbenzene

Concen: 15.062 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.006 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

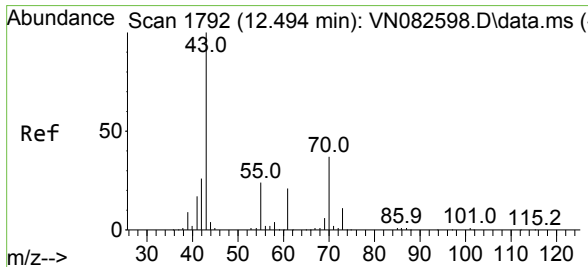
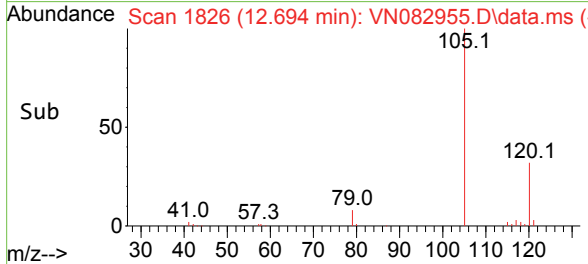
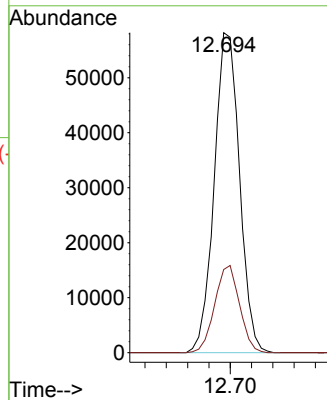
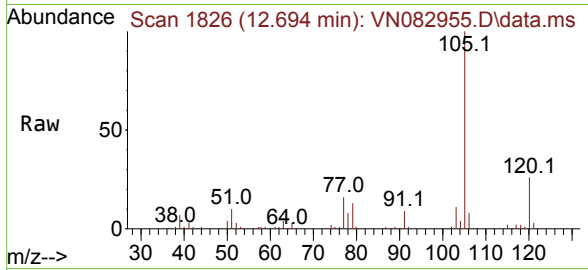
ClientSampleId :

Tgt Ion:105 Resp: 95857

Ion Ratio Lower Upper

105 100

120 26.7 12.9 38.6



#74

N-ethyl acetate

Concen: 16.896 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

Tgt Ion: 43 Resp: 44479

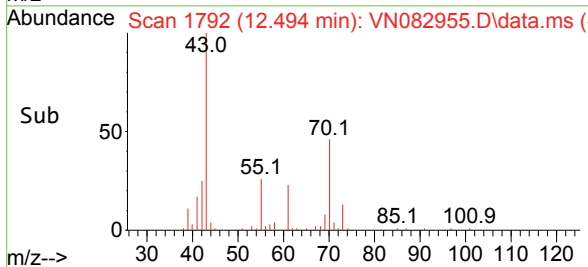
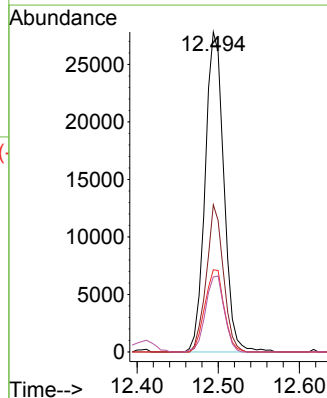
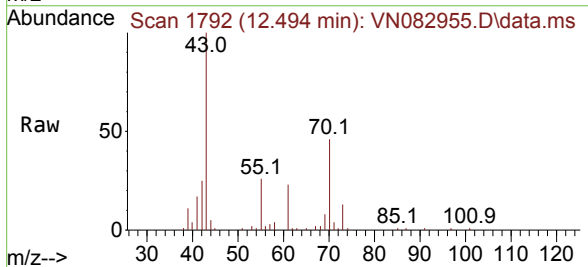
Ion Ratio Lower Upper

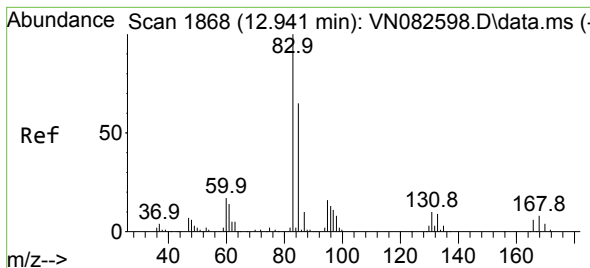
43 100

70 41.8 29.8 44.6

55 26.4 18.7 28.1

61 23.6 17.4 26.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.362 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

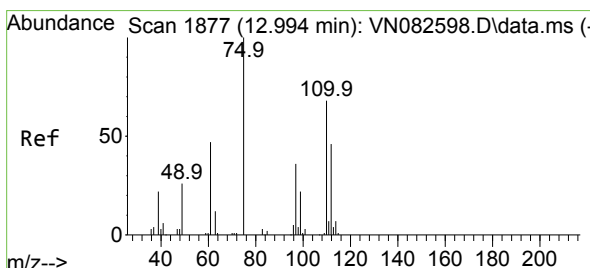
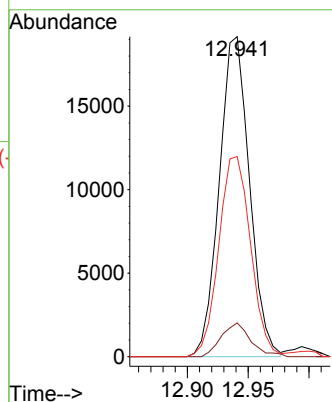
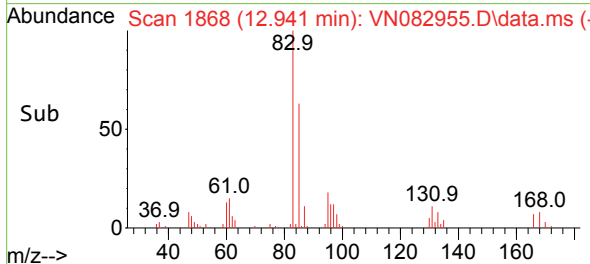
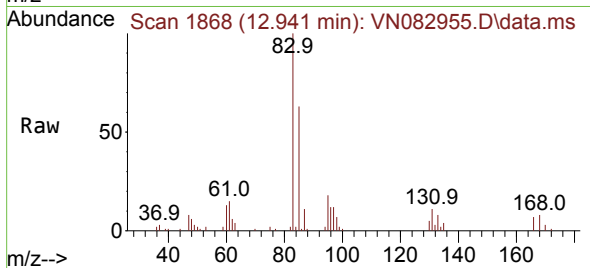
Tgt Ion: 83 Resp: 33093

Ion Ratio Lower Upper

83 100

131 10.3 5.0 14.9

85 66.0 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 30.225 ug/l

RT: 12.994 min Scan# 1877

Delta R.T. -0.000 min

Lab File: VN082955.D

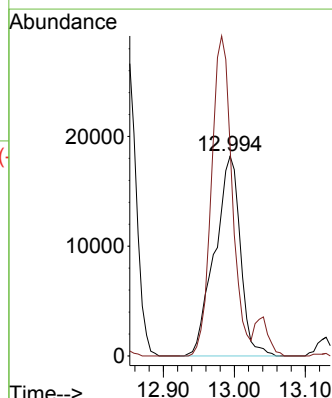
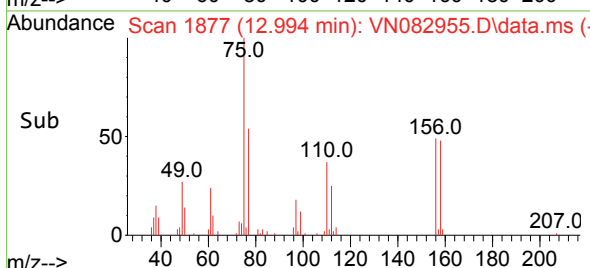
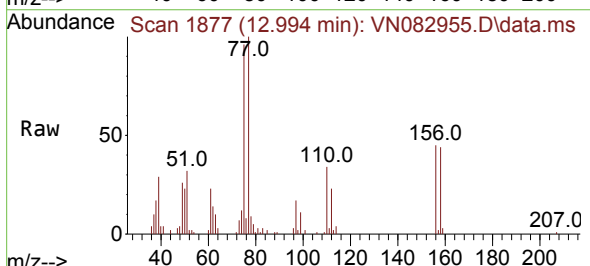
Acq: 17 Jul 2024 11:44

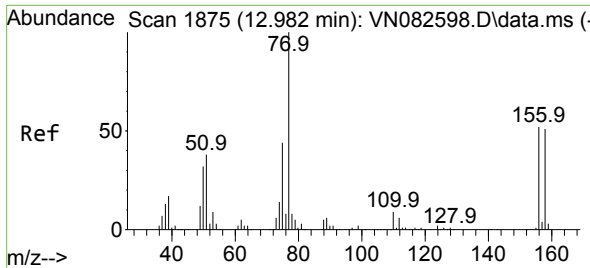
Tgt Ion: 75 Resp: 45640

Ion Ratio Lower Upper

75 100

77 128.5 110.9 332.6

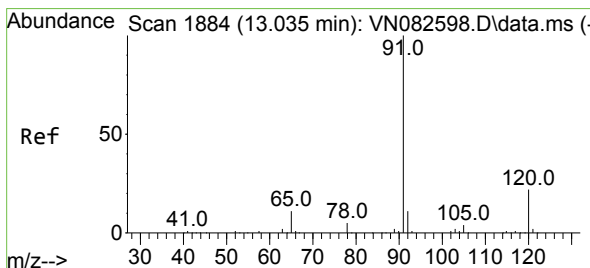
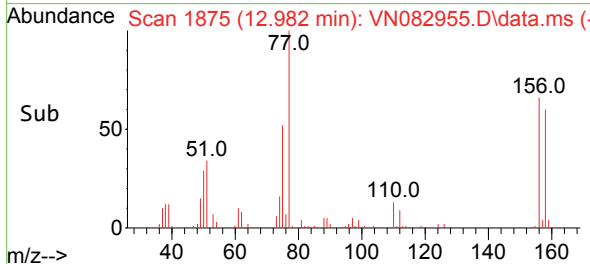
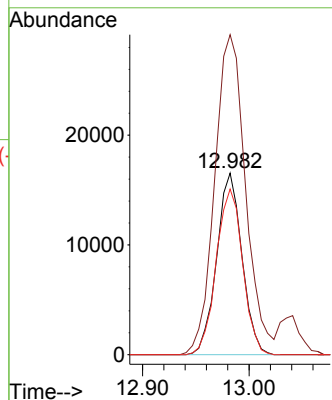
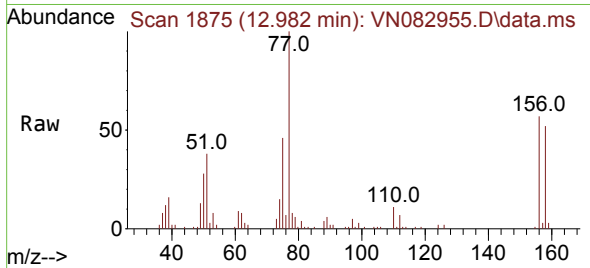




#77  
Bromobenzene  
Concen: 16.616 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

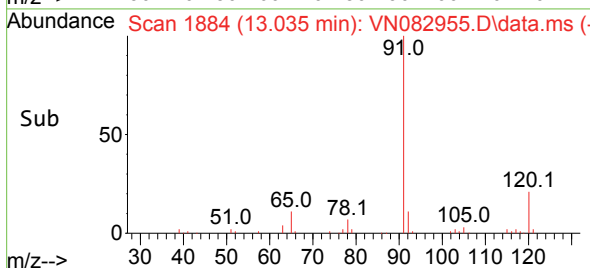
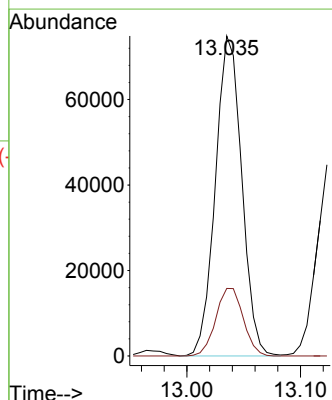
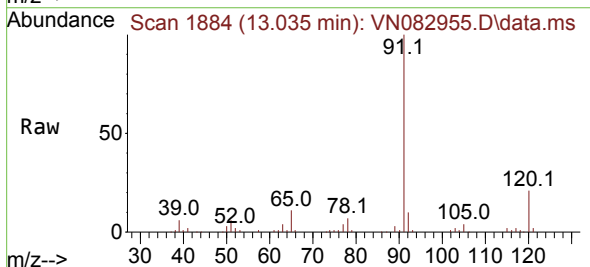
Instrument :  
MSVOA\_N  
ClientSampleId :

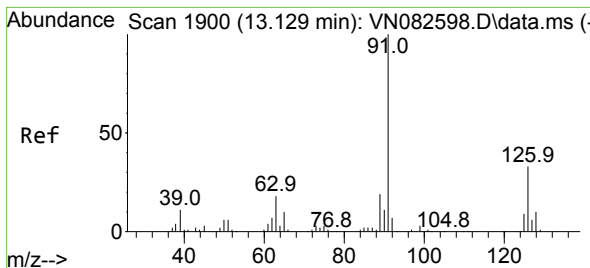
Tgt Ion:156 Resp: 27281  
Ion Ratio Lower Upper  
156 100  
77 215.1 111.3 333.8  
158 95.0 48.3 144.9



#78  
n-propylbenzene  
Concen: 16.509 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion: 91 Resp: 120801  
Ion Ratio Lower Upper  
91 100  
120 22.0 10.9 32.9

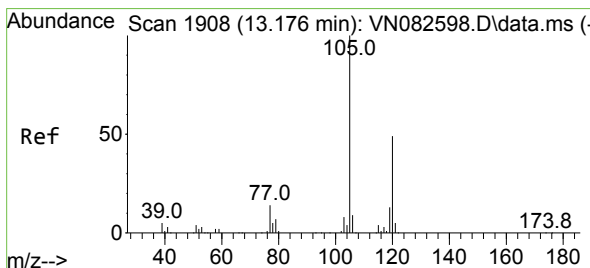
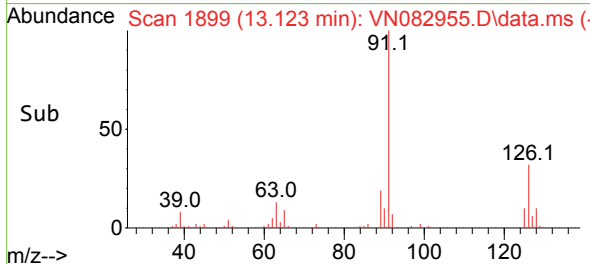
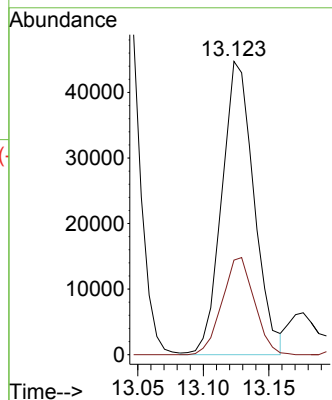
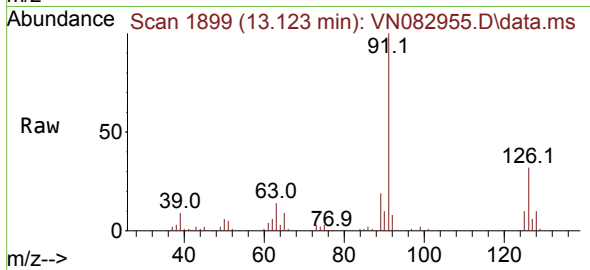




#79  
2-Chlorotoluene  
Concen: 16.428 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.006 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

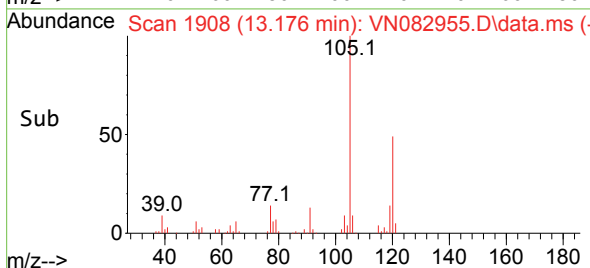
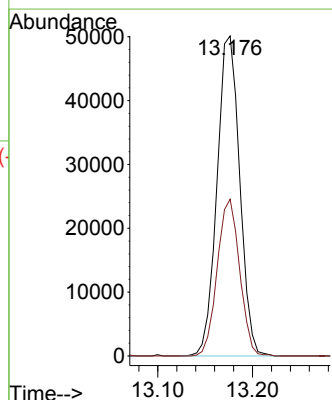
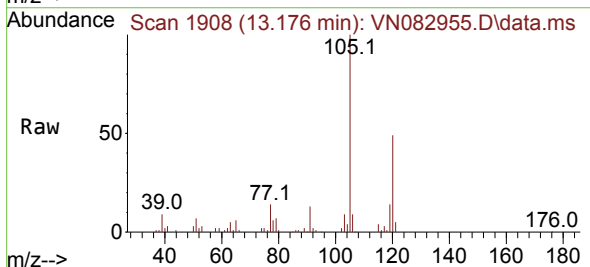
Instrument :  
MSVOA\_N  
ClientSampleId :

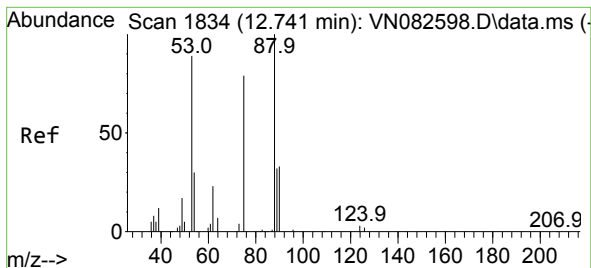
Tgt Ion: 91 Resp: 76593  
Ion Ratio Lower Upper  
91 100  
126 33.1 16.2 48.6



#80  
1,3,5-Trimethylbenzene  
Concen: 16.221 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion:105 Resp: 83445  
Ion Ratio Lower Upper  
105 100  
120 48.3 24.3 72.8

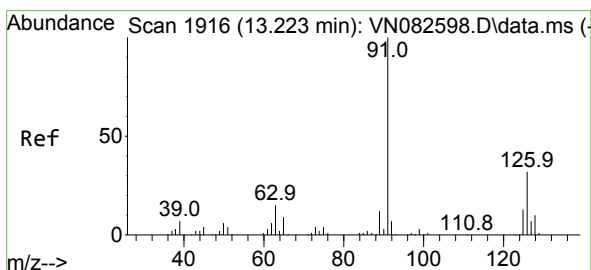
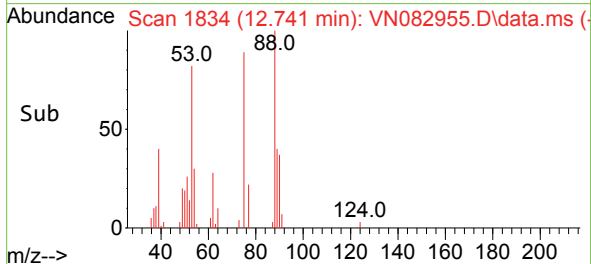
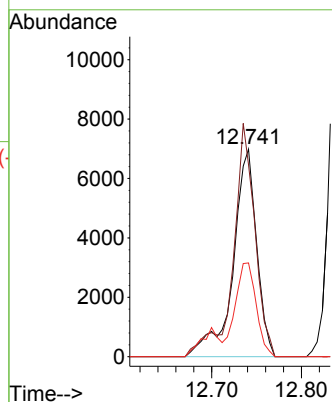
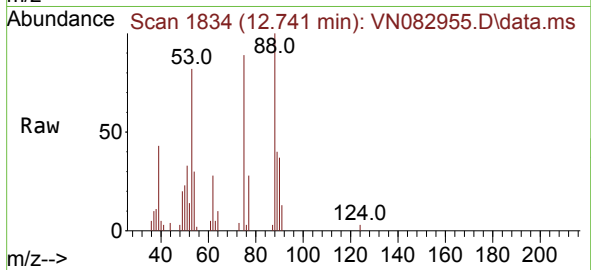




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 16.625 ug/l  
 RT: 12.741 min Scan# 1834  
 Delta R.T. -0.000 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

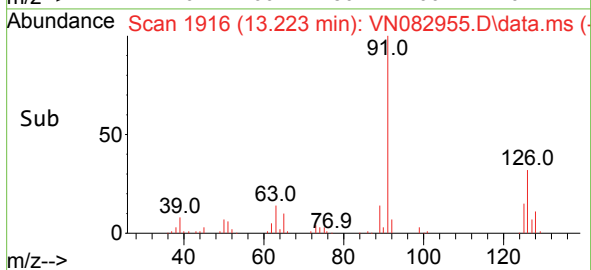
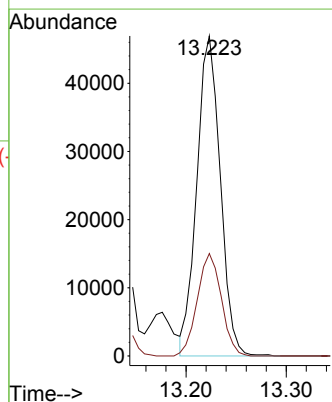
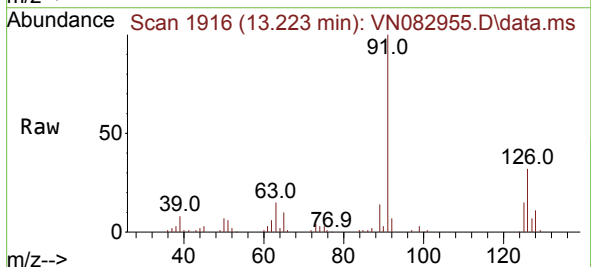
Instrument :  
 MSVOA\_N  
 ClientSampleId :

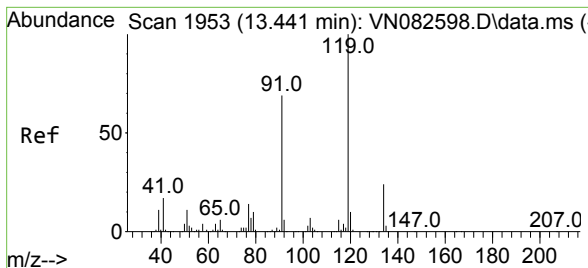
Tgt Ion: 75 Resp: 12764  
 Ion Ratio Lower Upper  
 75 100  
 53 103.7 88.4 132.6  
 89 40.1 36.3 54.5



#82  
 4-Chlorotoluene  
 Concen: 16.557 ug/l  
 RT: 13.223 min Scan# 1916  
 Delta R.T. 0.000 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

Tgt Ion: 91 Resp: 76407  
 Ion Ratio Lower Upper  
 91 100  
 126 32.8 16.2 48.6





#83

tert-Butylbenzene

Concen: 15.159 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

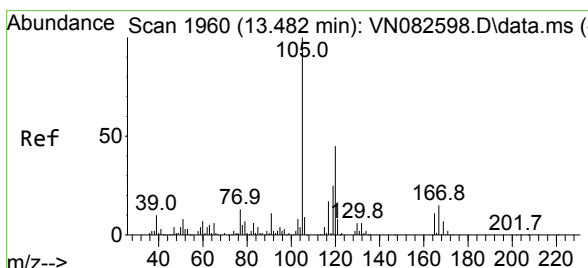
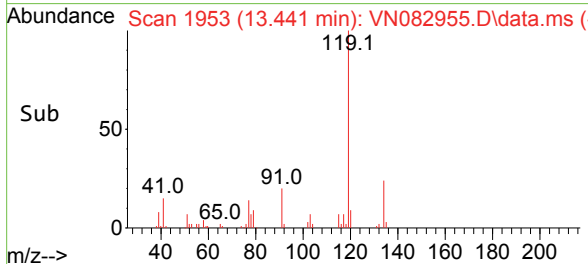
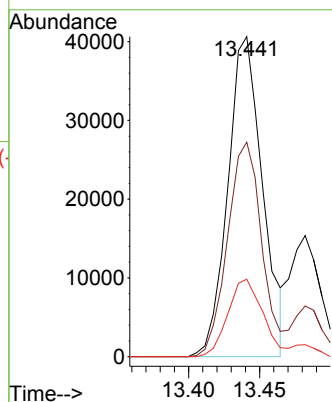
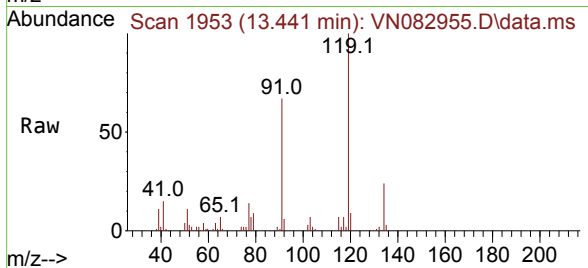
Tgt Ion:119 Resp: 69135

Ion Ratio Lower Upper

119 100

91 65.7 35.0 105.1

134 24.6 13.3 39.8



#84

1,2,4-Trimethylbenzene

Concen: 16.016 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN082955.D

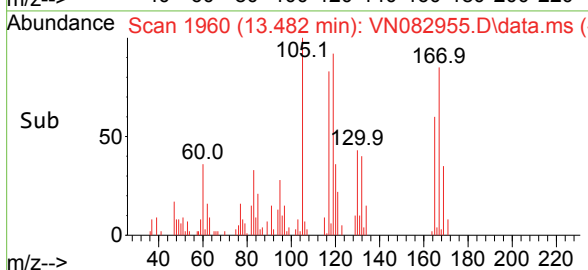
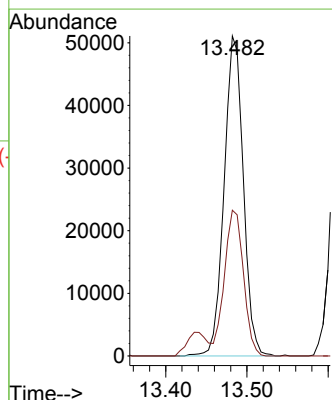
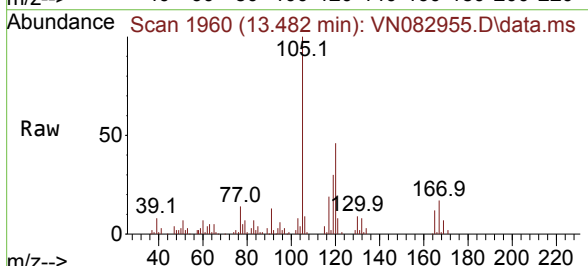
Acq: 17 Jul 2024 11:44

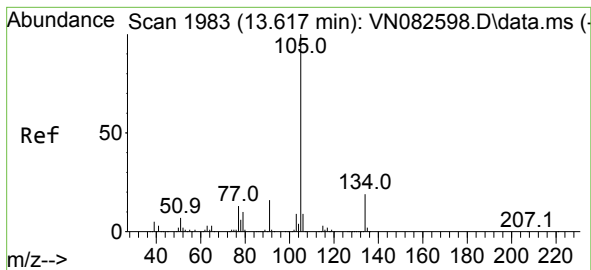
Tgt Ion:105 Resp: 83975

Ion Ratio Lower Upper

105 100

120 45.0 21.9 65.8





#85

sec-Butylbenzene

Concen: 15.639 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

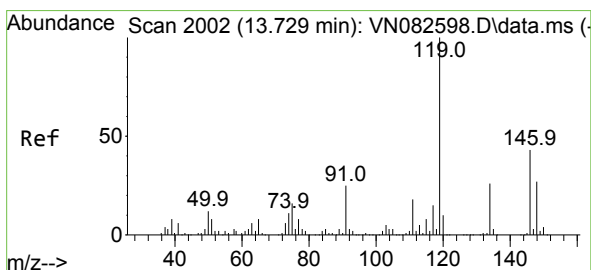
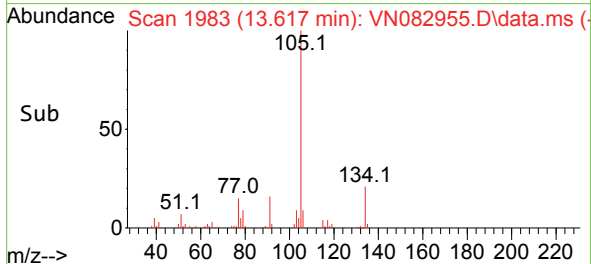
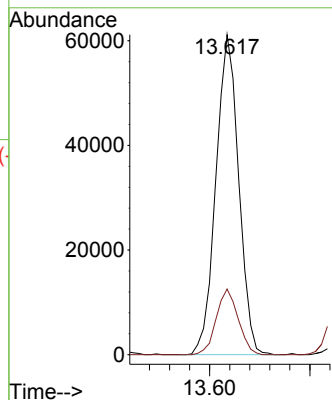
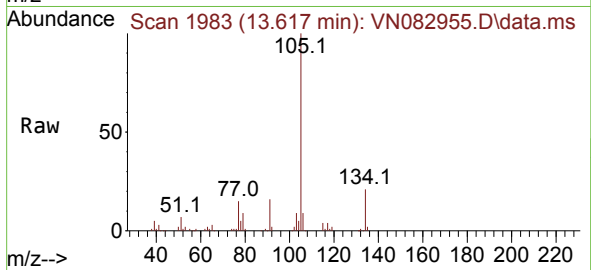
ClientSampleId :

Tgt Ion:105 Resp: 96382

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3



#86

p-Isopropyltoluene

Concen: 15.378 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

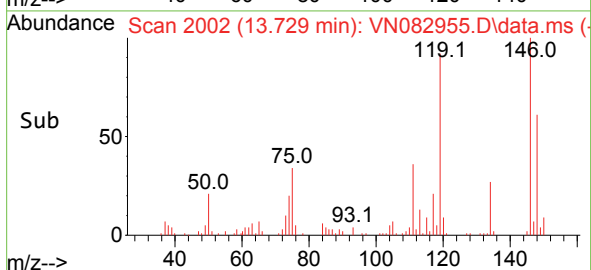
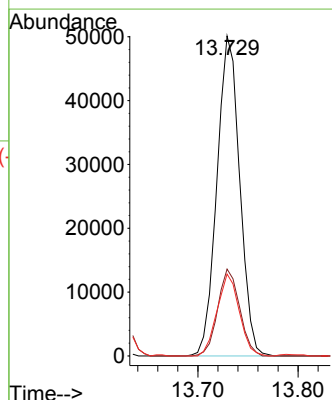
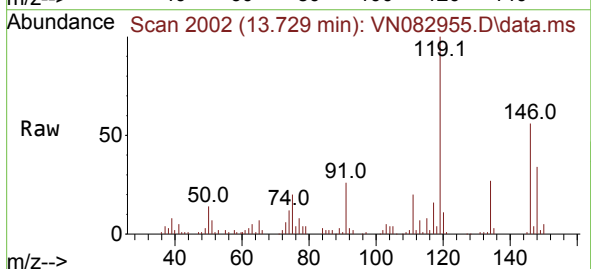
Tgt Ion:119 Resp: 79072

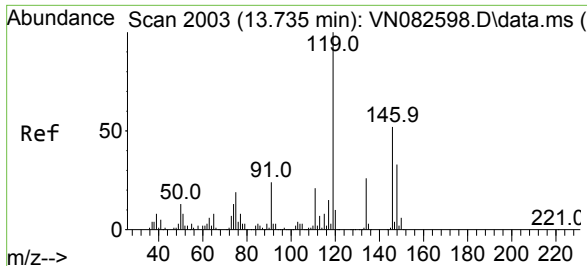
Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 24.9 12.3 36.9

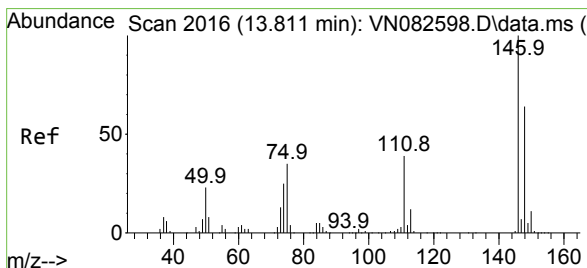
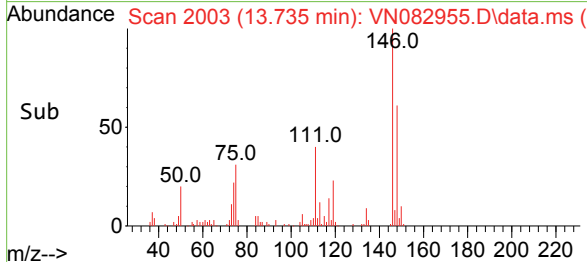
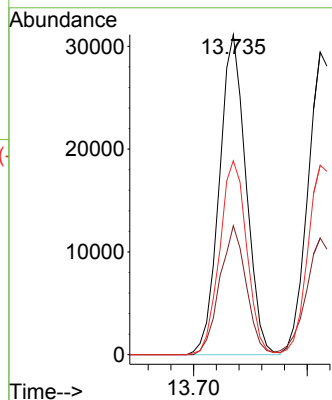
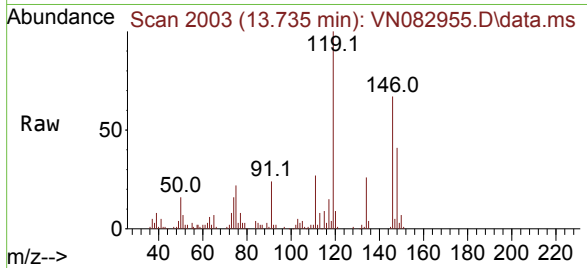




#87  
1,3-Dichlorobenzene  
Concen: 17.098 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

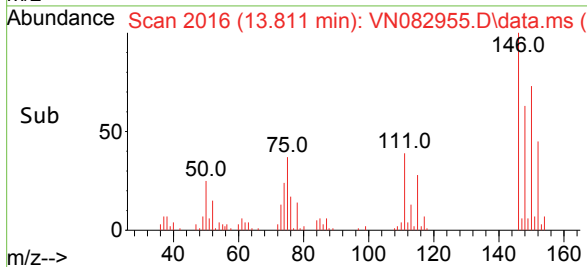
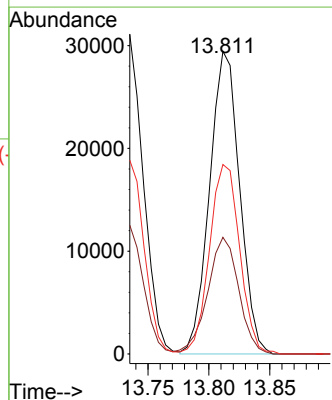
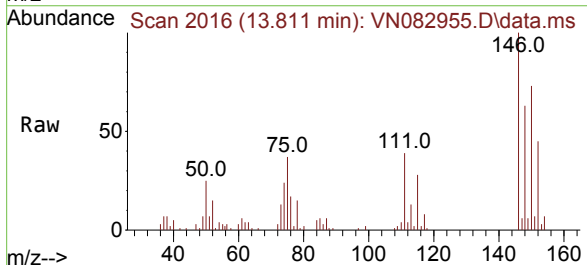
Instrument :  
MSVOA\_N  
ClientSampleId :

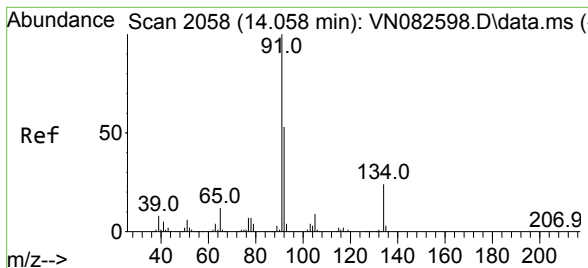
Tgt Ion:146 Resp: 50712  
Ion Ratio Lower Upper  
146 100  
111 40.0 20.6 61.9  
148 61.7 31.8 95.3



#88  
1,4-Dichlorobenzene  
Concen: 16.470 ug/l  
RT: 13.811 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

Tgt Ion:146 Resp: 50521  
Ion Ratio Lower Upper  
146 100  
111 40.0 20.1 60.3  
148 63.0 32.2 96.6





#89

n-Butylbenzene

Concen: 14.835 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.001 min

Lab File: VN082955.D

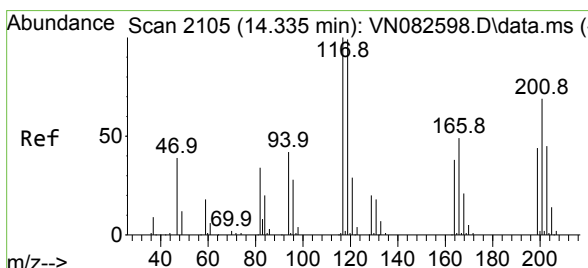
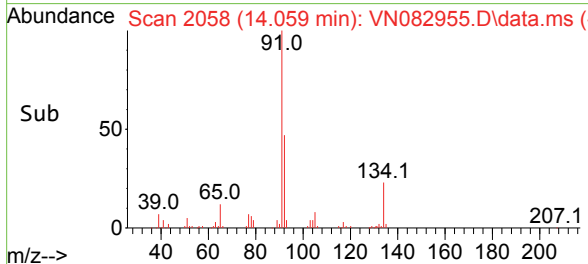
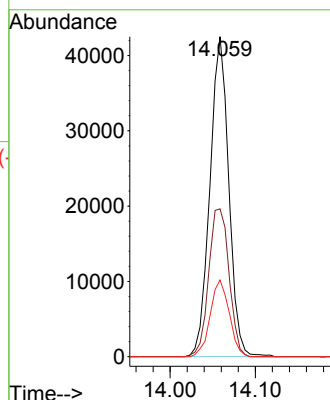
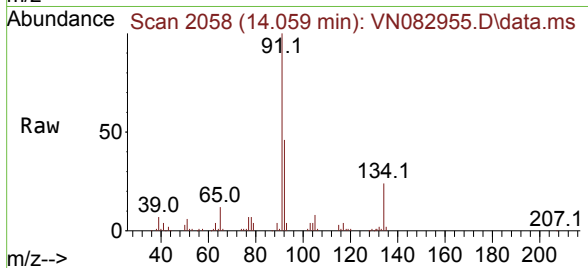
Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 91 | Resp: 65354    |
| Ion Ratio   | Lower Upper    |
| 91          | 100            |
| 92          | 49.9 26.1 78.3 |
| 134         | 24.2 12.1 36.3 |



#90

Hexachloroethane

Concen: 16.421 ug/l

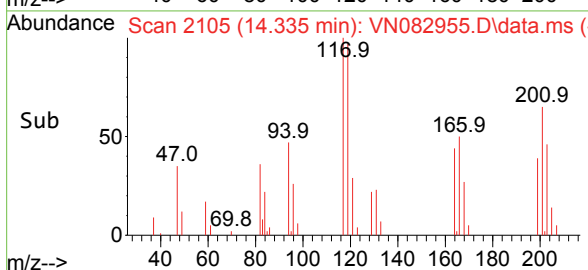
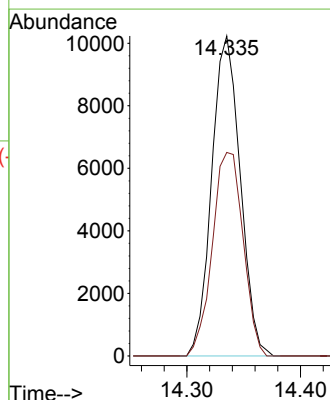
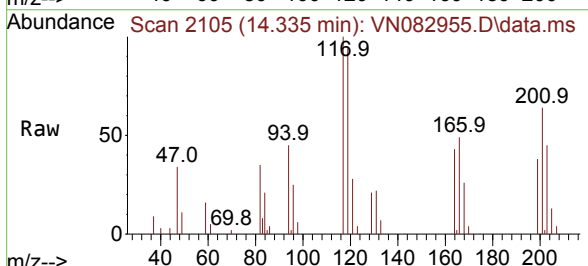
RT: 14.335 min Scan# 2105

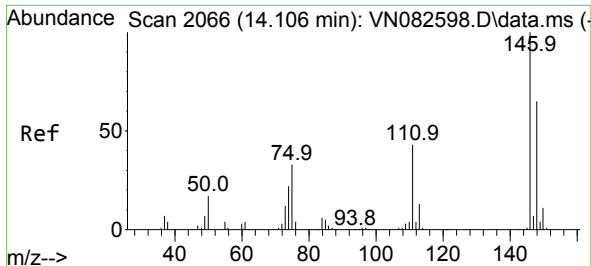
Delta R.T. -0.000 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 17866     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 201          | 68.4 35.8 107.3 |

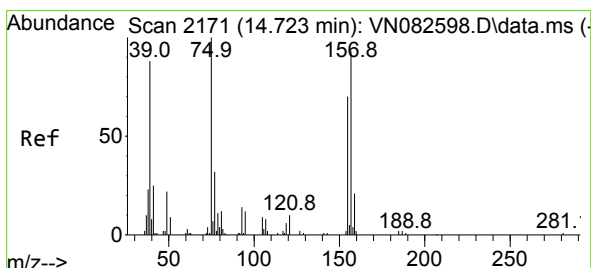
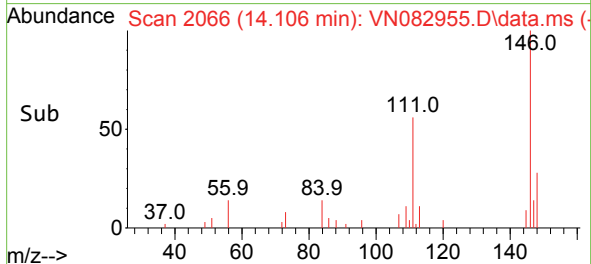
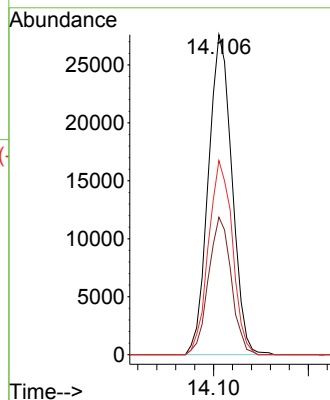
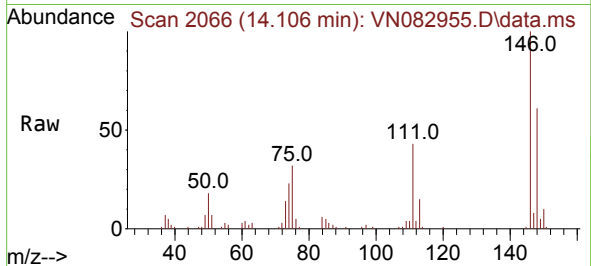




#91  
1,2-Dichlorobenzene  
Concen: 16.585 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. -0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

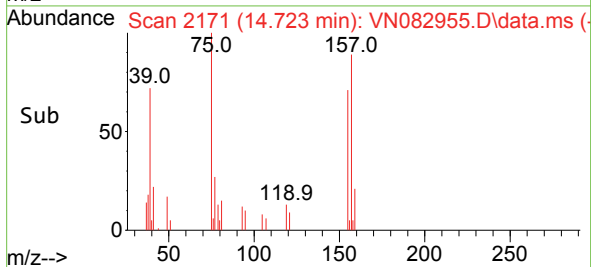
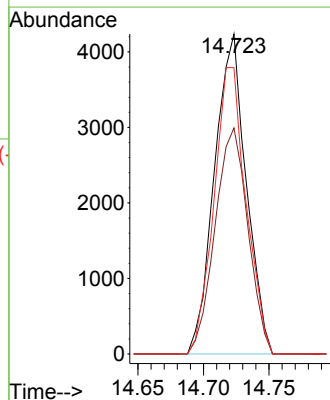
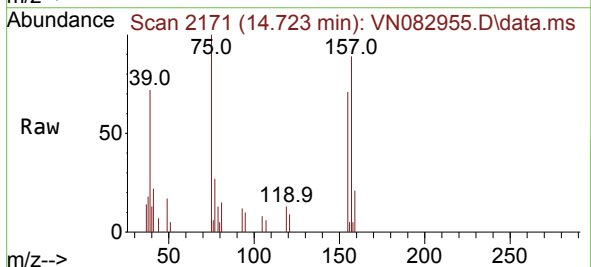
Instrument :  
MSVOA\_N  
ClientSampleId :

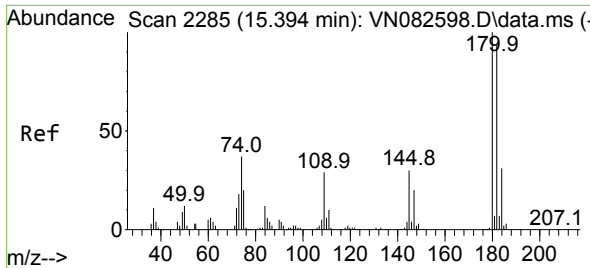
Tgt Ion:146 Resp: 47760  
Ion Ratio Lower Upper  
146 100  
111 41.5 21.4 64.2  
148 61.4 32.1 96.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 16.153 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.000 min  
Lab File: VN082955.D  
Acq: 17 Jul 2024 11:44

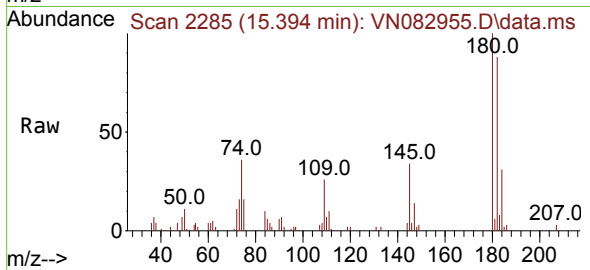
Tgt Ion: 75 Resp: 7123  
Ion Ratio Lower Upper  
75 100  
155 73.1 36.6 109.8  
157 90.6 46.9 140.6



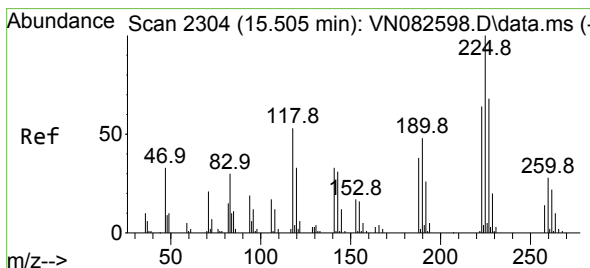
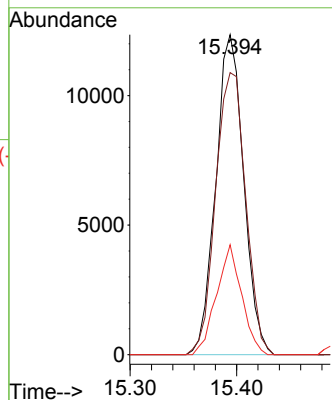
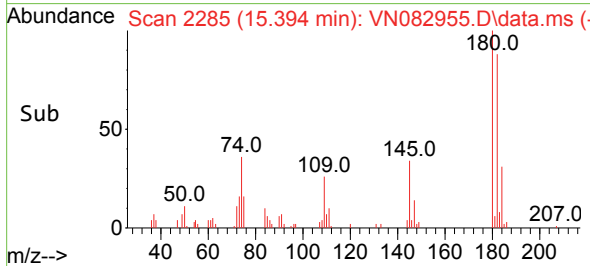


#93  
 1,2,4-Trichlorobenzene  
 Concen: 14.455 ug/l  
 RT: 15.394 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :

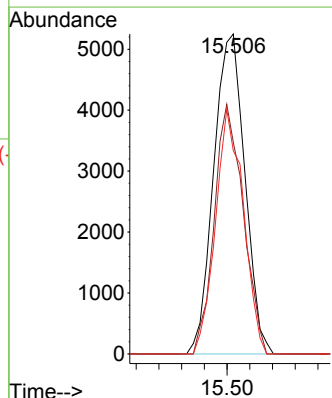
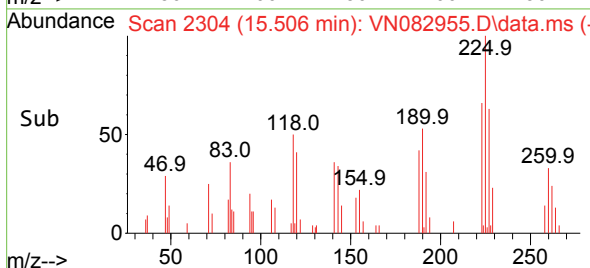
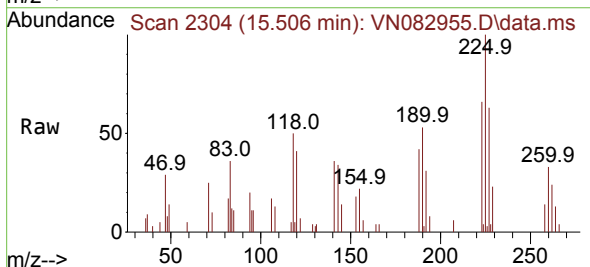


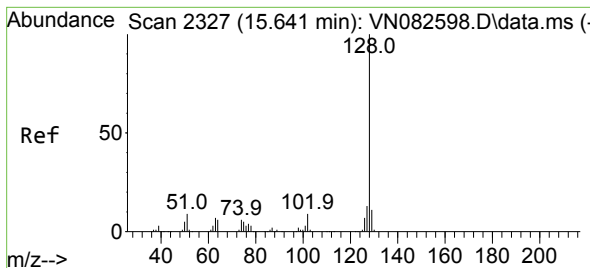
Tgt Ion:180 Resp: 22422  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 47.3 141.8  
 145 31.1 15.7 47.1



#94  
 Hexachlorobutadiene  
 Concen: 14.542 ug/l  
 RT: 15.506 min Scan# 2304  
 Delta R.T. 0.000 min  
 Lab File: VN082955.D  
 Acq: 17 Jul 2024 11:44

Tgt Ion:225 Resp: 10000  
 Ion Ratio Lower Upper  
 225 100  
 223 72.5 31.9 95.7  
 227 68.5 32.5 97.5





#95

Naphthalene

Concen: 12.446 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN082955.D

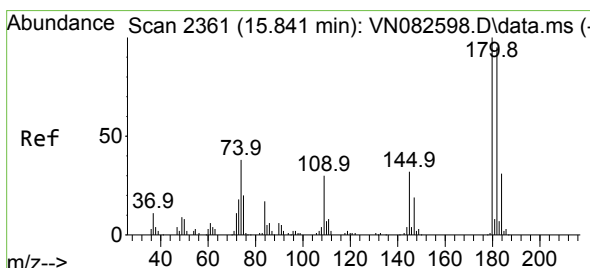
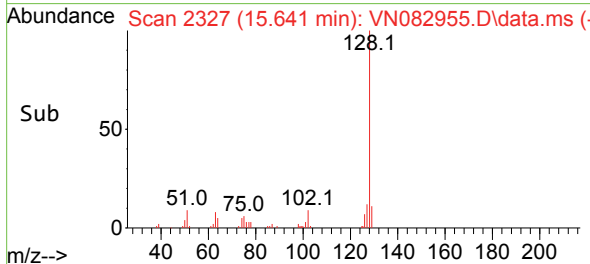
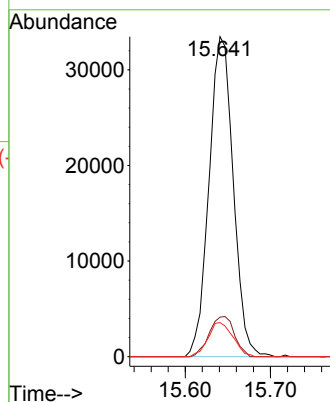
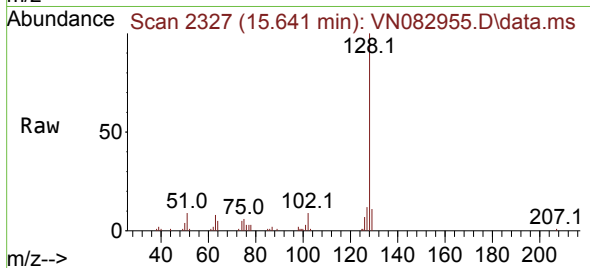
Acq: 17 Jul 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 66127 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.0  | 10.6  | 16.0  |
| 129      | 11.0  | 8.6   | 12.8  |



#96

1,2,3-Trichlorobenzene

Concen: 14.545 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN082955.D

Acq: 17 Jul 2024 11:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 23198 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 97.2  | 48.9  | 146.8 |
| 145      | 32.6  | 16.8  | 50.4  |

