

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092223\  
 Data File : VN079329.D  
 Acq On : 22 Sep 2023 10:14  
 Operator : JC\MD  
 Sample : VN0922WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 23 00:39:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Sep 08 05:09:17 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Bromochloromethane        | 7.818  | 128   | 36390    | 30.000   | ug/l       | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.106  | 114   | 193733   | 30.000   | ug/l       | 0.00     |
| 57) Chlorobenzene-d5         | 11.870 | 117   | 187645   | 30.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 27) 1,2-Dichloroethane-d4    | 8.582  | 65    | 89687    | 32.804   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | = 109.333% |          |
| 60) 4-Bromofluorobenzene     | 12.853 | 95    | 89888    | 32.511   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | = 108.367% |          |
| 63) Toluene-d8               | 10.570 | 98    | 258984   | 29.533   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | = 98.433%  |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.130  | 85    | 46004    | 22.667   | ug/l       | 98       |
| 3) Chloromethane             | 2.365  | 50    | 56224    | 27.627   | ug/l       | 96       |
| 4) Vinyl Chloride            | 2.518  | 62    | 65966    | 32.763   | ug/l       | 89       |
| 5) Bromomethane              | 2.959  | 94    | 35393    | 28.641   | ug/l       | 95       |
| 6) Chloroethane              | 3.124  | 64    | 44915    | 36.425   | ug/l       | 94       |
| 7) Trichlorofluoromethane    | 3.500  | 101   | 77413    | 32.295   | ug/l       | 95       |
| 8) Diethyl Ether             | 3.965  | 74    | 27232    | 30.984   | ug/l       | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 43507    | 32.935   | ug/l       | 92       |
| 10) 1,1-Dichloroethene       | 4.347  | 96    | 39741    | 31.049   | ug/l       | 95       |
| 11) Methyl Iodide            | 4.589  | 142   | 43829    | 27.184   | ug/l       | 98       |
| 12) Methyl Acetate           | 5.030  | 43    | 93097    | 31.211   | ug/l       | 93       |
| 13) Acrolein                 | 4.189  | 56    | 38970    | 143.447  | ug/l       | 98       |
| 14) Acrylonitrile            | 5.724  | 53    | 120168   | 137.318  | ug/l       | 98       |
| 15) Acetone                  | 4.436  | 58    | 38517    | 168.724  | ug/l       | 79       |
| 16) Carbon Disulfide         | 4.712  | 76    | 110660   | 29.259   | ug/l       | 95       |
| 17) Allyl chloride           | 5.030  | 41    | 61997    | 30.144   | ug/l       | 93       |
| 18) Methylene Chloride       | 5.277  | 84    | 51443    | 29.966   | ug/l       | 86       |
| 19) trans-1,2-Dichloroethene | 5.794  | 96    | 44485    | 27.779   | ug/l       | 92       |
| 20) Diisopropyl ether        | 6.677  | 45    | 159704   | 26.010   | ug/l #     | 87       |
| 21) 1,1-Dichloroethane       | 6.571  | 63    | 94112    | 26.164   | ug/l       | 95       |
| 22) cis-1,2-Dichloroethene   | 7.494  | 96    | 54270    | 21.670   | ug/l       | 94       |
| 23) tert-Butyl Alcohol       | 5.524  | 59    | 38651    | 114.811  | ug/l #     | 100      |
| 24) Methyl tert-Butyl Ether  | 5.800  | 73    | 139747   | 27.664   | ug/l       | 93       |
| 25) Chloroform               | 7.971  | 83    | 95457    | 22.008   | ug/l       | 95       |
| 26) Cyclohexane              | 8.265  | 56    | 68738    | 21.074   | ug/l #     | 99       |
| 29) 1,1-Dichloropropene      | 8.377  | 75    | 66304    | 21.346   | ug/l       | 99       |
| 30) 2-Butanone               | 7.488  | 43    | 167759   | 107.378  | ug/l       | 97       |
| 31) 2,2-Dichloropropane      | 7.500  | 77    | 75139    | 24.252   | ug/l       | 99       |
| 32) 1,1,1-Trichloroethane    | 8.171  | 97    | 81563    | 22.288   | ug/l       | 95       |
| 33) Carbon Tetrachloride     | 8.365  | 117   | 69282    | 22.040   | ug/l       | 97       |
| 34) Benzene                  | 8.612  | 78    | 205906   | 20.864   | ug/l       | 98       |
| 35) Methacrylonitrile        | 7.788  | 41    | 37190    | 22.108   | ug/l       | 94       |
| 36) 1,2-Dichloroethane       | 8.676  | 62    | 73920    | 22.712   | ug/l       | 95       |
| 37) Trichloroethene          | 9.359  | 130   | 47297    | 20.276   | ug/l       | 95       |
| 38) Methylcyclohexane        | 9.606  | 83    | 63613    | 20.486   | ug/l       | 99       |
| 39) 1,2-Dichloropropane      | 9.629  | 63    | 54787    | 21.522   | ug/l       | 96       |
| 40) Dibromomethane           | 9.712  | 93    | 35778    | 21.312   | ug/l       | 94       |
| 41) Bromodichloromethane     | 9.894  | 83    | 74433    | 22.242   | ug/l       | 95       |
| 42) Vinyl Acetate            | 6.612  | 43    | 457692   | 123.356  | ug/l       | 96       |

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 Operator : JC\MD  
 Sample : VN0922WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 23 00:39:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Sep 08 05:09:17 2023  
 Response via : Initial Calibration

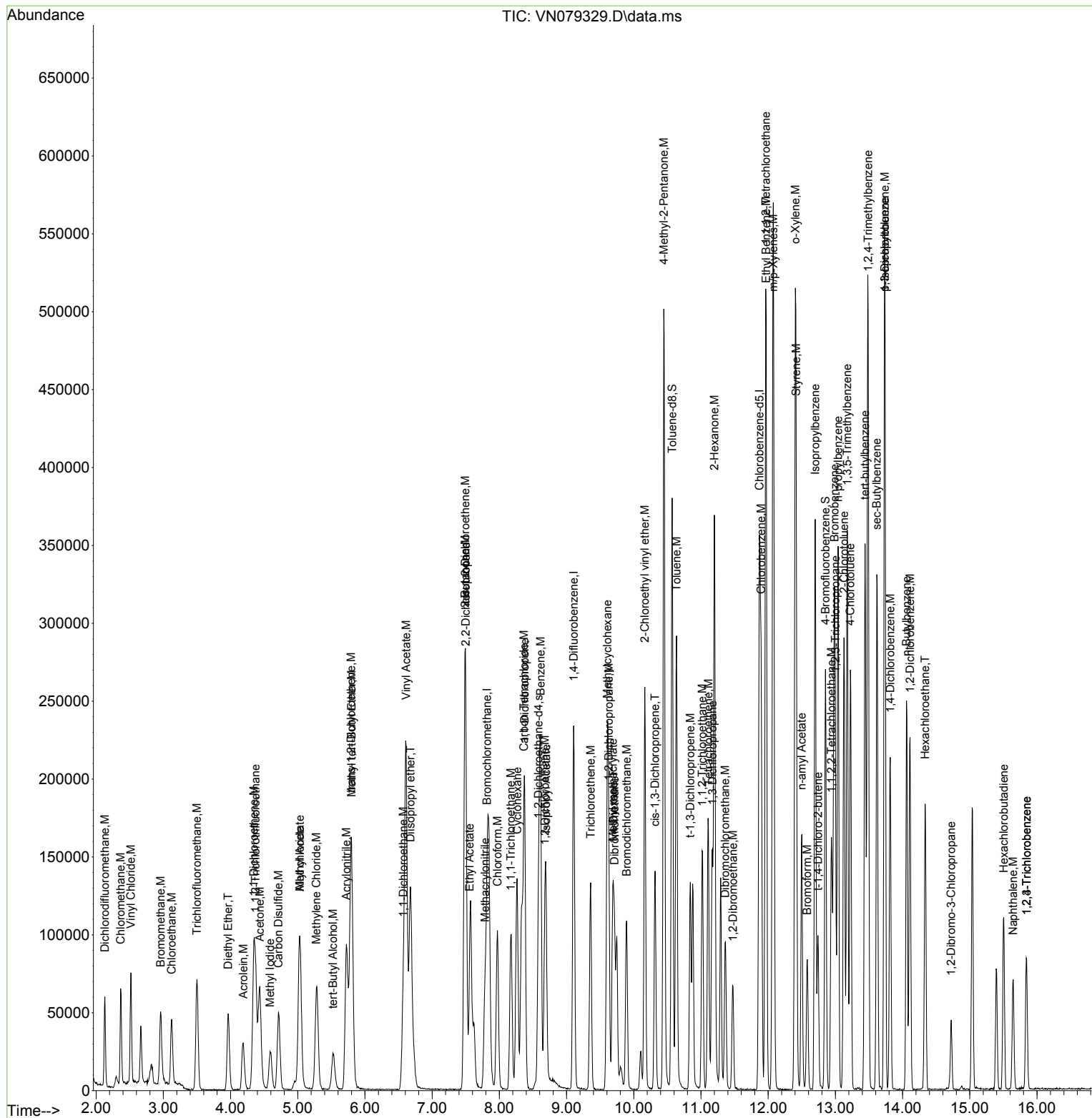
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.559  | 43   | 68409    | 23.055  | ug/l   | 97       |
| 44) Isopropyl Acetate         | 8.694  | 43   | 115042   | 21.553  | ug/l   | 96       |
| 45) 1,4-Dioxane               | 9.700  | 88   | 17865    | 336.249 | ug/l   | 95       |
| 46) Methyl methacrylate       | 9.688  | 41   | 50170    | 21.038  | ug/l   | 84       |
| 47) n-amyl Acetate            | 12.500 | 43   | 88103    | 23.470  | ug/l   | 99       |
| 48) t-1,3-Dichloropropene     | 10.841 | 75   | 72230    | 19.950  | ug/l   | 92       |
| 49) cis-1,3-Dichloropropene   | 10.318 | 75   | 81222    | 21.507  | ug/l # | 91       |
| 50) 1,1,2-Trichloroethane     | 11.018 | 97   | 50561    | 21.469  | ug/l   | 97       |
| 52) 1,3-Dichloropropane       | 11.170 | 76   | 86529    | 21.521  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.359 | 129  | 51840    | 20.987  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.476 | 107  | 47322    | 19.787  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.165 | 63   | 111390   | 86.190  | ug/l   | 99       |
| 56) Bromoform                 | 12.582 | 173  | 38530    | 22.386  | ug/l   | 97       |
| 58) 4-Methyl-2-Pentanone      | 10.447 | 43   | 336711   | 97.785  | ug/l   | 95       |
| 59) 2-Hexanone                | 11.200 | 43   | 241901   | 100.031 | ug/l   | 94       |
| 61) Tetrachloroethene         | 11.112 | 164  | 38093    | 18.657  | ug/l   | 94       |
| 62) Toluene                   | 10.635 | 91   | 220784   | 20.208  | ug/l   | 98       |
| 64) Chlorobenzene             | 11.894 | 112  | 133258   | 20.907  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 11.964 | 131  | 51852    | 21.249  | ug/l   | 98       |
| 66) Ethyl Benzene             | 11.970 | 91   | 236488   | 21.498  | ug/l   | 100      |
| 67) m/p-Xylenes               | 12.076 | 106  | 180804   | 43.681  | ug/l   | 98       |
| 68) o-Xylene                  | 12.406 | 106  | 88240    | 22.105  | ug/l   | 97       |
| 69) Styrene                   | 12.417 | 104  | 144185   | 22.646  | ug/l   | 98       |
| 70) Isopropylbenzene          | 12.700 | 105  | 230659   | 22.732  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 79890    | 21.047  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane    | 13.000 | 75   | 97385    | 30.492  | ug/l   | 100      |
| 73) Bromobenzene              | 12.988 | 156  | 52152    | 20.576  | ug/l   | 93       |
| 74) n-propylbenzene           | 13.041 | 91   | 273140   | 23.626  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 13.129 | 91   | 166427   | 22.450  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 196797   | 23.457  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.741 | 75   | 22774    | 20.254  | ug/l   | 77       |
| 78) 4-Chlorotoluene           | 13.223 | 91   | 160585   | 22.941  | ug/l   | 97       |
| 79) tert-butylbenzene         | 13.441 | 119  | 165319   | 24.006  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 191557   | 23.908  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 13.617 | 105  | 222306   | 23.594  | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 13.735 | 119  | 180186   | 24.210  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.735 | 146  | 91772    | 22.799  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 13.817 | 146  | 87191    | 23.096  | ug/l   | 98       |
| 85) n-Butylbenzene            | 14.058 | 91   | 135810   | 23.958  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.335 | 117  | 36890    | 25.034  | ug/l   | 93       |
| 87) 1,2-Dichlorobenzene       | 14.111 | 146  | 92592    | 23.309  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 11501    | 17.926  | ug/l   | 85       |
| 89) 1,2,4-Trichlorobenzene    | 15.847 | 180  | 28680    | 16.872  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 15.505 | 225  | 20120    | 19.486  | ug/l   | 97       |
| 91) Naphthalene               | 15.647 | 128  | 64894    | 14.609  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 28680    | 16.872  | ug/l   | 98       |

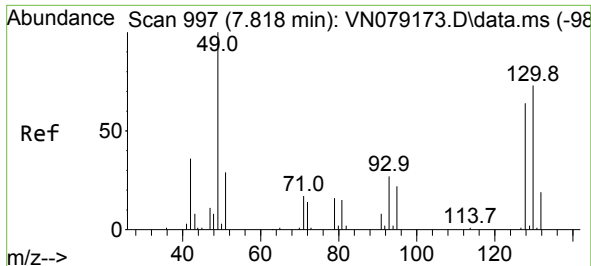
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092223\  
 Data File : VN079329.D  
 Acq On : 22 Sep 2023 10:14  
 Operator : JC\MD  
 Sample : VN09222WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 23 00:39:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090723W.M  
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 QLast Update : Fri Sep 08 05:09:17 2023  
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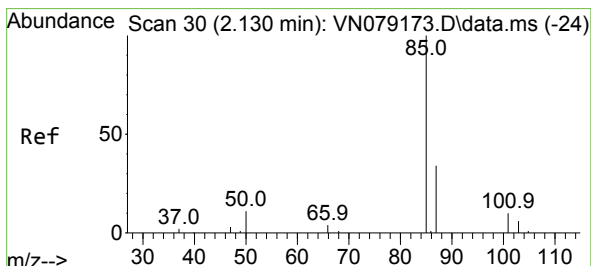
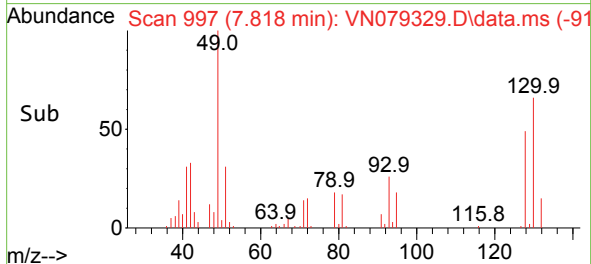
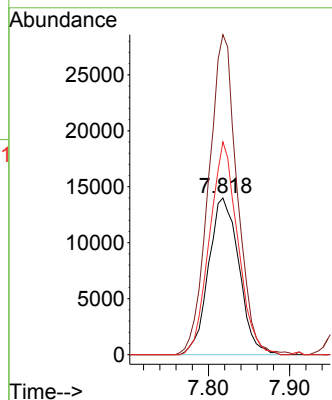
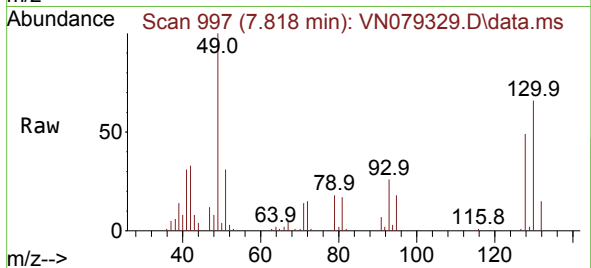




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

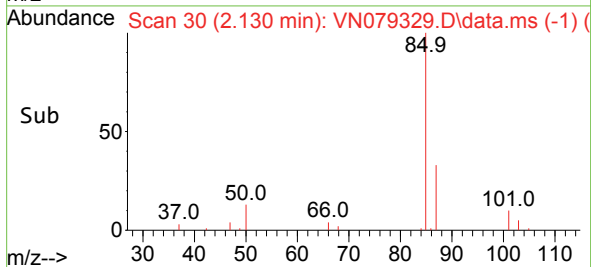
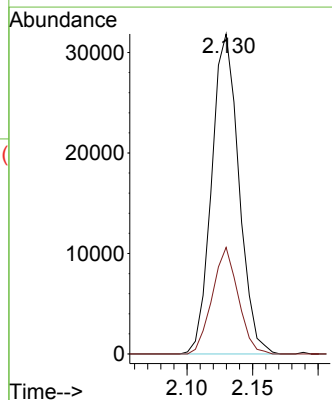
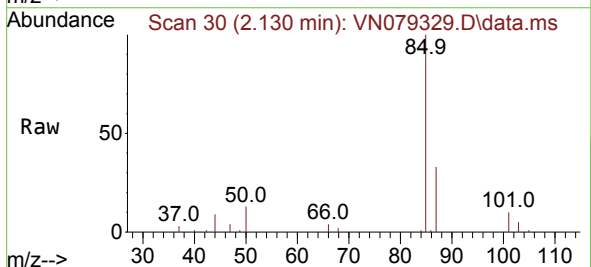
Instrument :  
MSVOA\_N  
ClientSampleId :

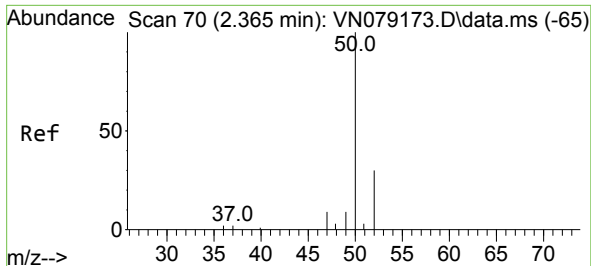
Tgt Ion:128 Resp: 36390  
Ion Ratio Lower Upper  
128 100  
49 192.2 0.0 414.3  
130 126.8 0.0 311.0



#2  
Dichlorodifluoromethane  
Concen: 22.667 ug/l  
RT: 2.130 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 85 Resp: 46004  
Ion Ratio Lower Upper  
85 100  
87 33.3 17.3 51.7





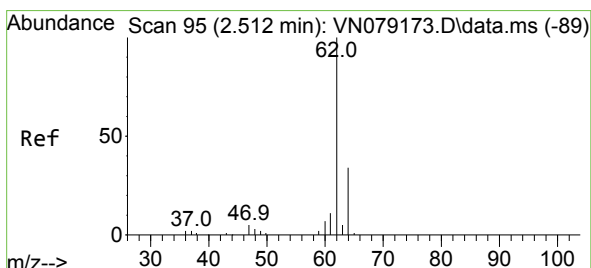
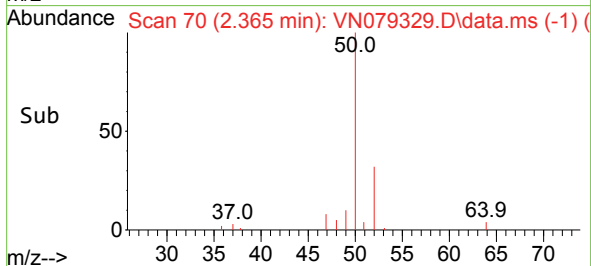
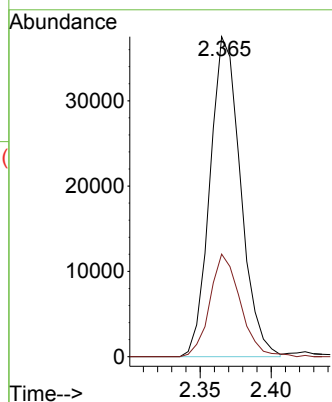
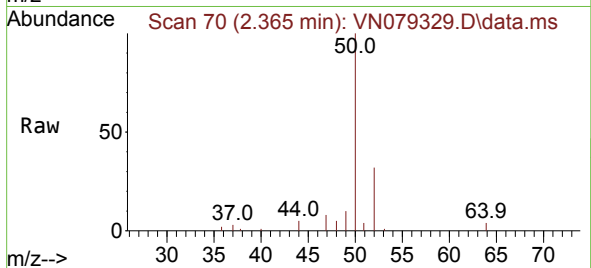
#3  
Chloromethane  
Concen: 27.627 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

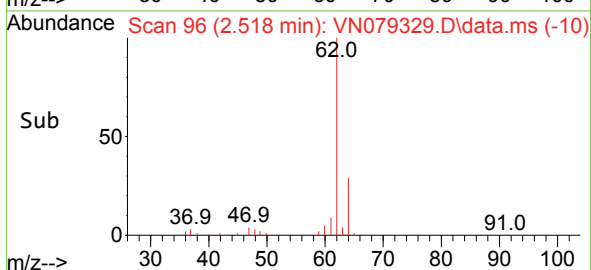
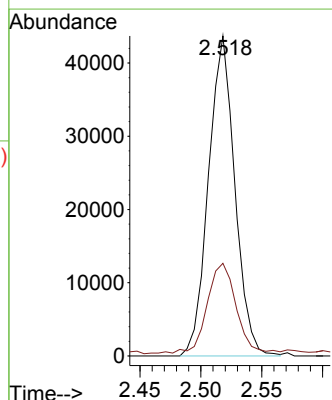
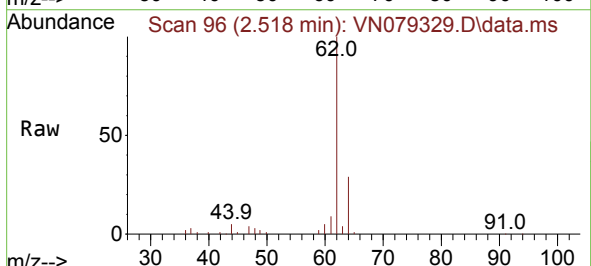
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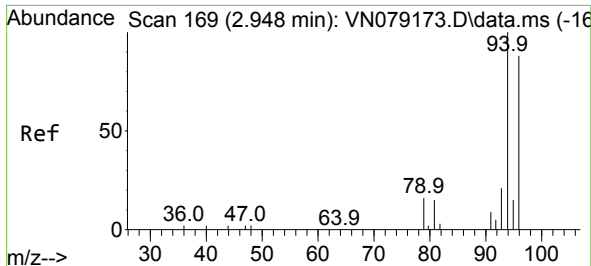
Tgt Ion: 50 Resp: 56224  
Ion Ratio Lower Upper  
50 100  
52 32.1 24.0 36.0



#4  
Vinyl Chloride  
Concen: 32.763 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 62 Resp: 65966  
Ion Ratio Lower Upper  
62 100  
64 27.7 27.1 40.7

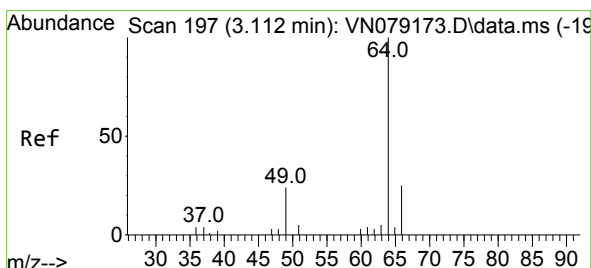
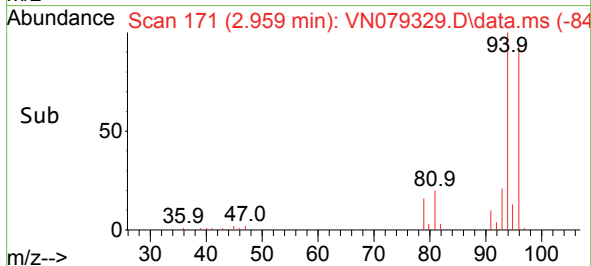
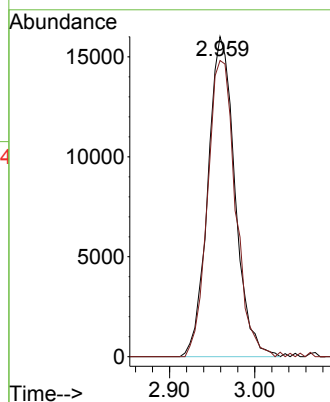
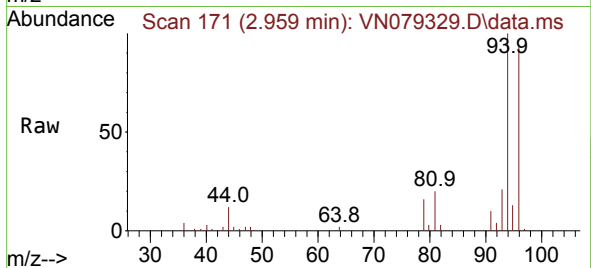




#5  
Bromomethane  
Concen: 28.641 ug/l  
RT: 2.959 min Scan# 11  
Delta R.T. 0.011 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

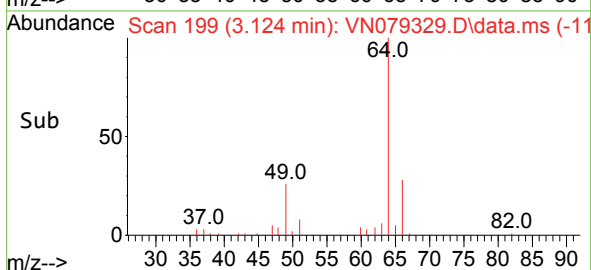
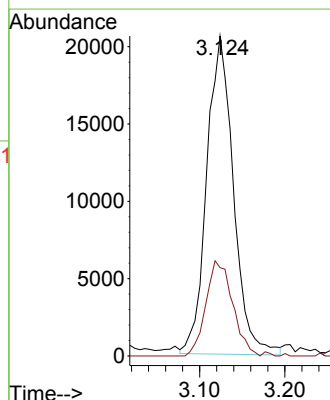
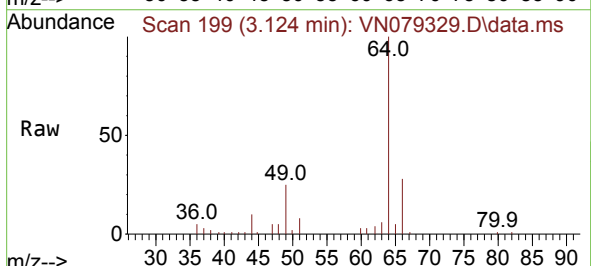
Instrument :  
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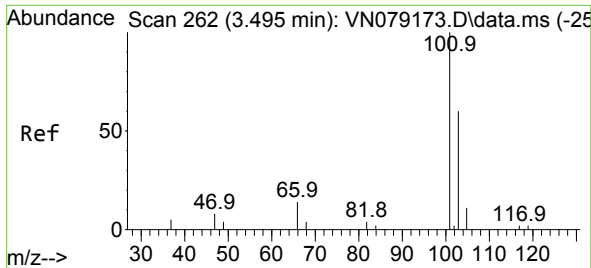
Tgt Ion: 94 Resp: 35393  
Ion Ratio Lower Upper  
94 100  
96 92.5 70.6 105.8



#6  
Chloroethane  
Concen: 36.425 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.012 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 64 Resp: 44915  
Ion Ratio Lower Upper  
64 100  
66 28.2 20.1 30.1

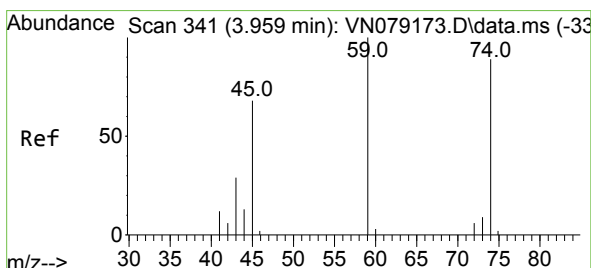
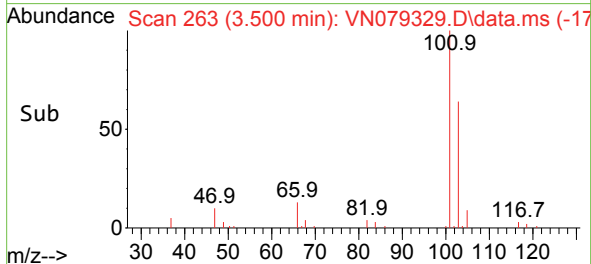
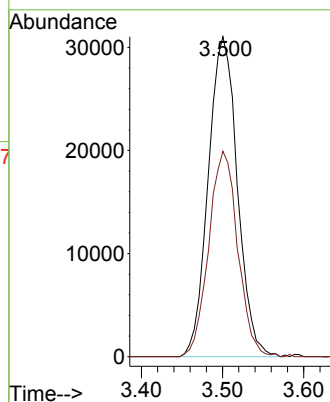
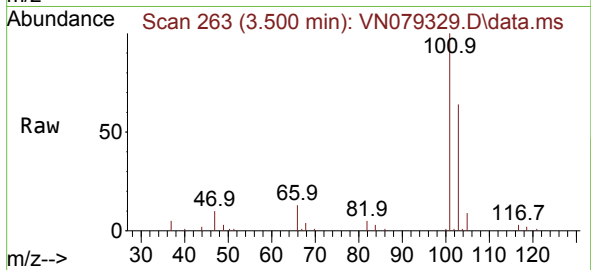




#7  
Trichlorofluoromethane  
Concen: 32.295 ug/l  
RT: 3.500 min Scan# 2  
Delta R.T. 0.005 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

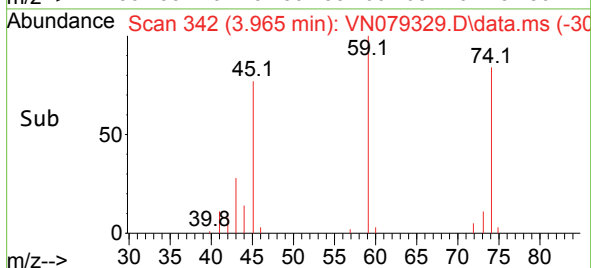
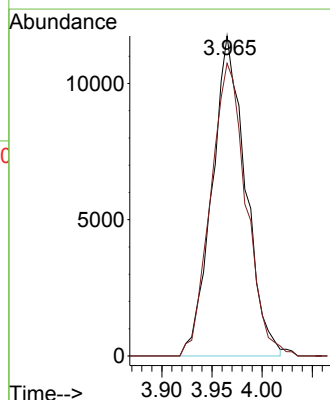
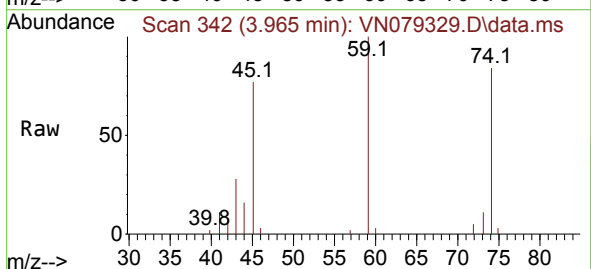
Instrument :  
MSVOA\_N  
ClientSampleId :

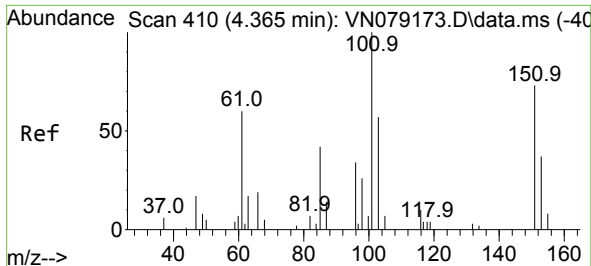
Tgt Ion:101 Resp: 77413  
Ion Ratio Lower Upper  
101 100  
103 64.2 48.2 72.4



#8  
Diethyl Ether  
Concen: 30.984 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. 0.006 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 74 Resp: 27232  
Ion Ratio Lower Upper  
74 100  
45 97.2 17.6 158.0

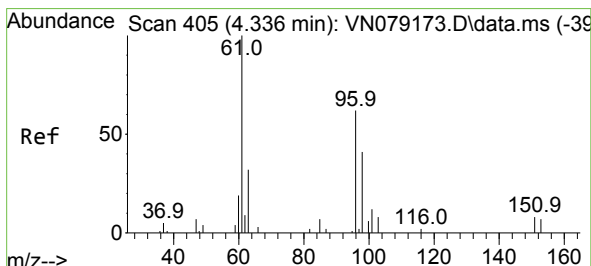
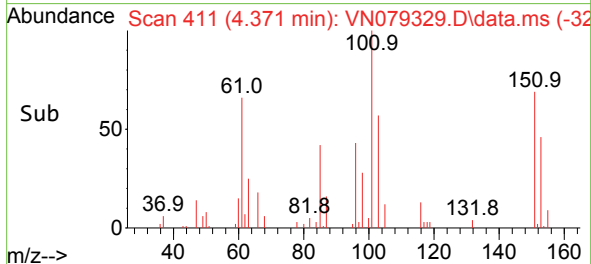
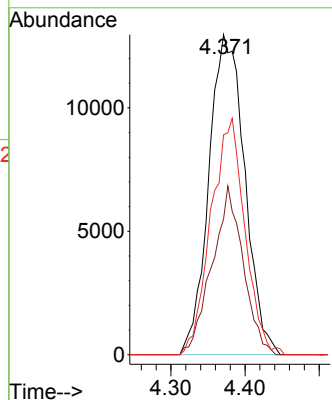
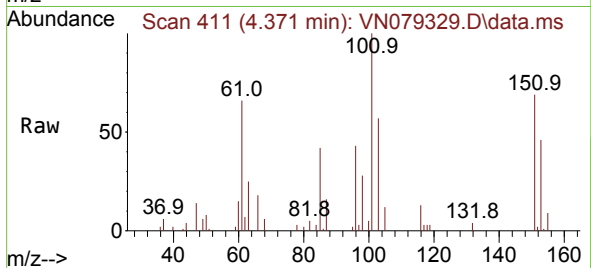




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 32.935 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

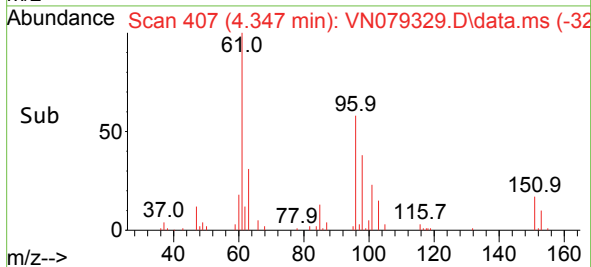
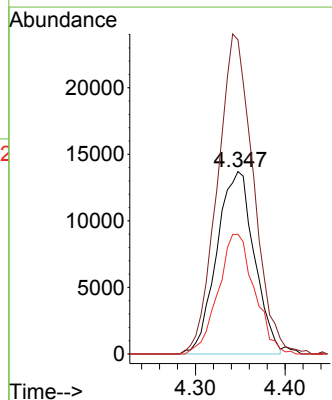
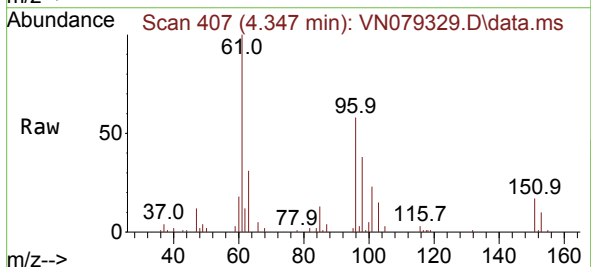
Instrument :  
MSVOA\_N  
ClientSampleId :

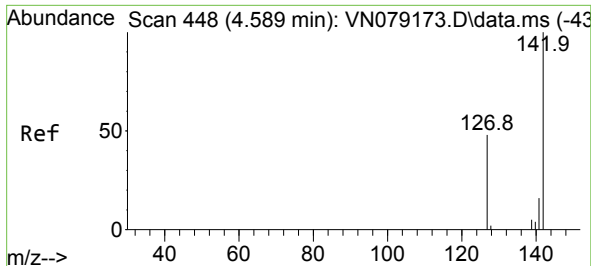
Tgt Ion:101 Resp: 43507  
Ion Ratio Lower Upper  
101 100  
85 45.8 0.0 85.6  
151 69.6 0.0 155.8



#10  
1,1-Dichloroethene  
Concen: 31.049 ug/l  
RT: 4.347 min Scan# 407  
Delta R.T. 0.011 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

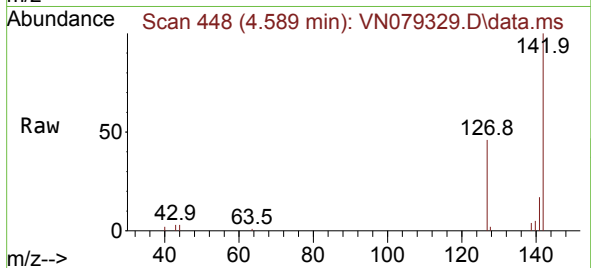
Tgt Ion: 96 Resp: 39741  
Ion Ratio Lower Upper  
96 100  
61 172.1 130.2 195.2  
98 65.6 52.3 78.5





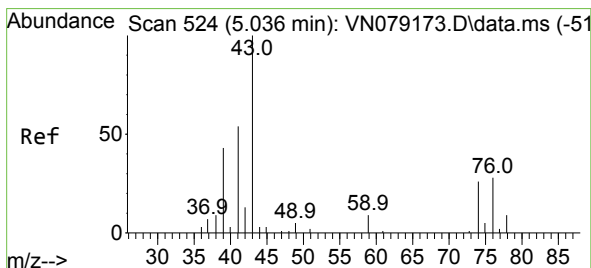
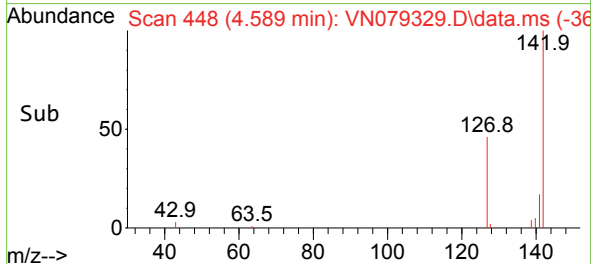
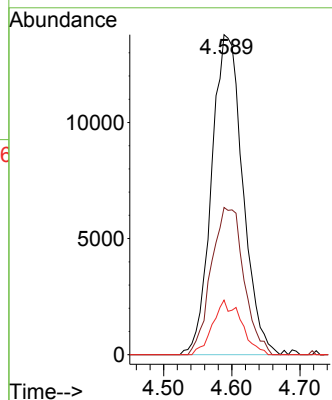
#11  
Methyl Iodide  
Concen: 27.184 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion:142 Resp: 43829

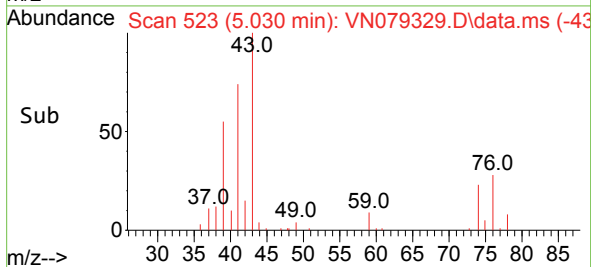
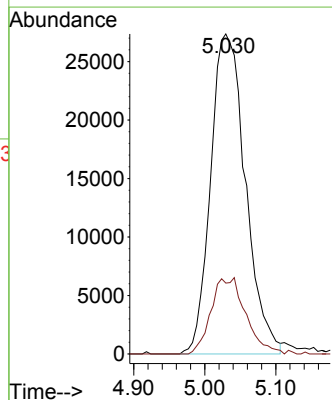
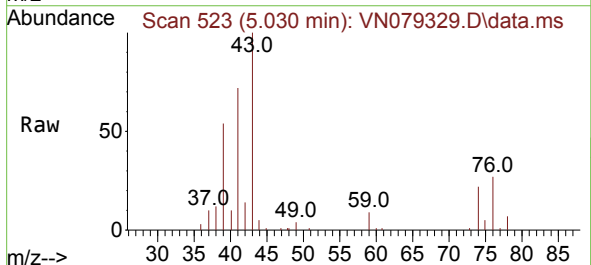
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 127 | 46.0  | 23.8  | 71.4  |
| 141 | 17.1  | 8.2   | 24.6  |

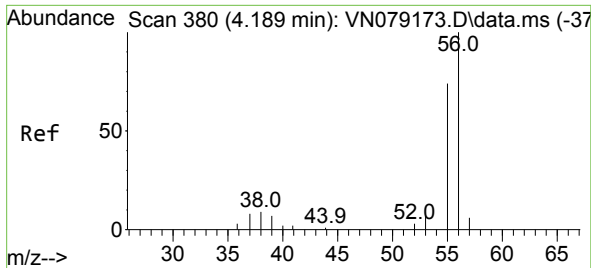


#12  
Methyl Acetate  
Concen: 31.211 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. -0.006 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 43 Resp: 93097

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 74  | 21.9  | 20.4  | 30.6  |

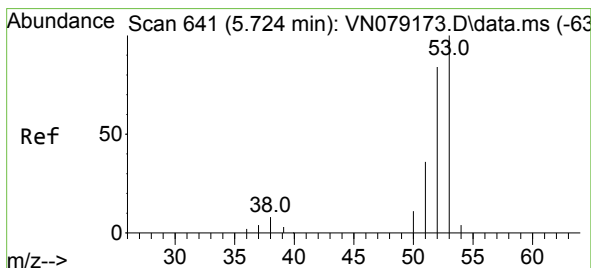
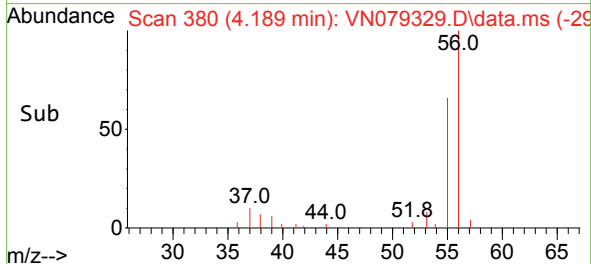
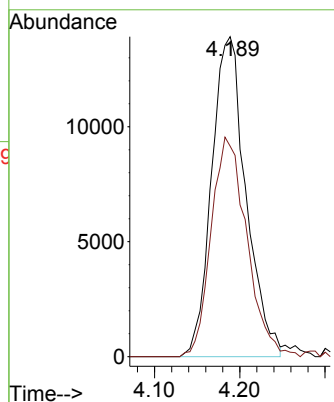
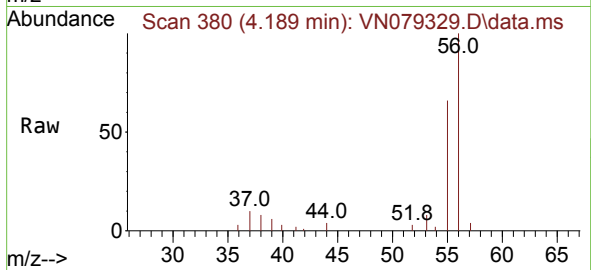




#13  
Acrolein  
Concen: 143.447 ug/l  
RT: 4.189 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

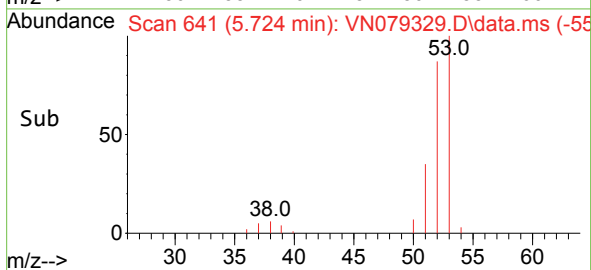
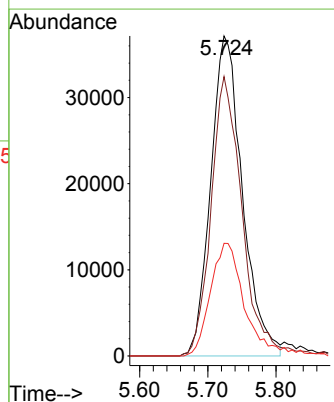
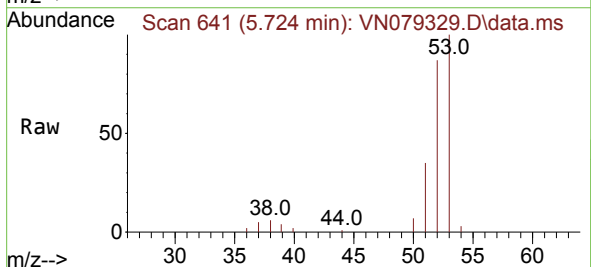
Instrument :  
MSVOA\_N  
ClientSampleId :

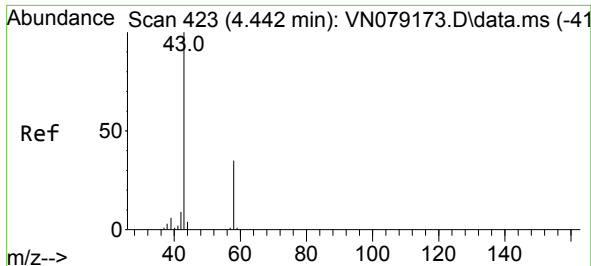
Tgt Ion: 56 Resp: 38970  
Ion Ratio Lower Upper  
56 100  
55 70.6 57.7 86.5



#14  
Acrylonitrile  
Concen: 137.318 ug/l  
RT: 5.724 min Scan# 641  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 53 Resp: 120168  
Ion Ratio Lower Upper  
53 100  
52 84.3 41.4 124.4  
51 36.1 17.3 51.9





#15

Acetone

Concen: 168.724 ug/l

RT: 4.436 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

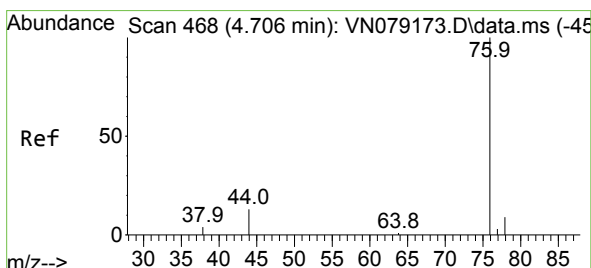
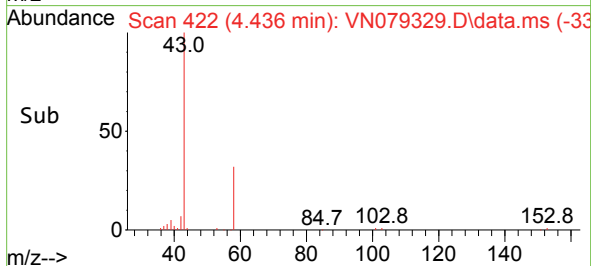
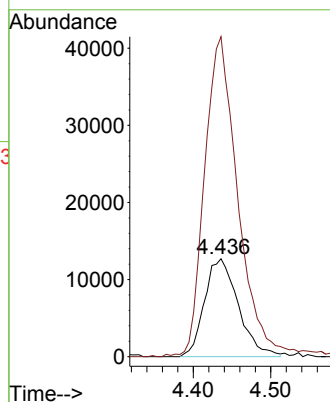
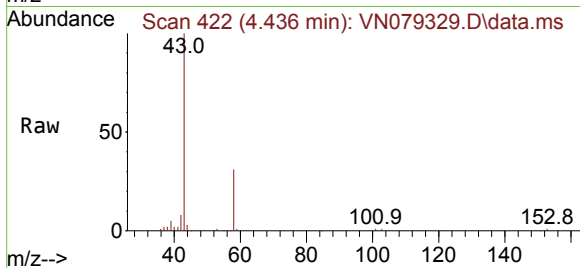
ClientSampleId :

Tgt Ion: 58 Resp: 38517

Ion Ratio Lower Upper

58 100

43 324.8 228.3 342.5



#16

Carbon Disulfide

Concen: 29.259 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.006 min

Lab File: VN079329.D

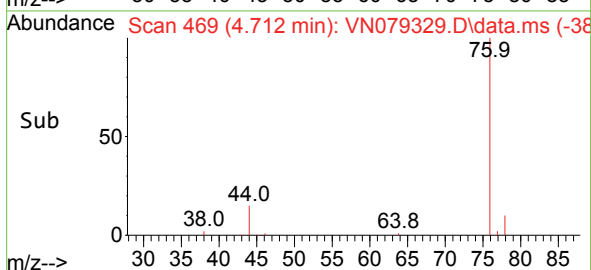
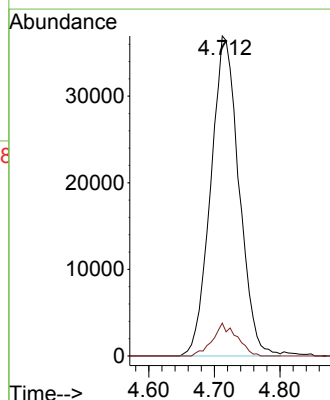
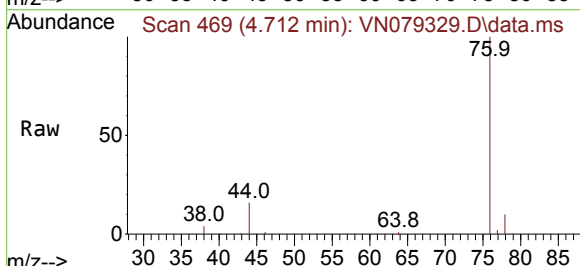
Acq: 22 Sep 2023 10:14

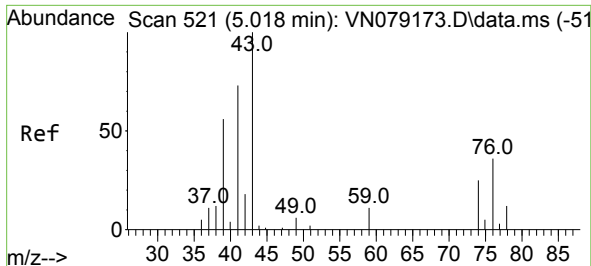
Tgt Ion: 76 Resp: 110660

Ion Ratio Lower Upper

76 100

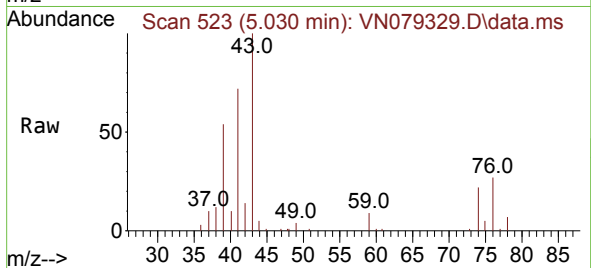
78 10.3 6.9 10.3



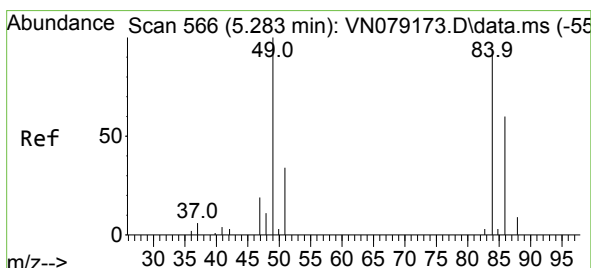
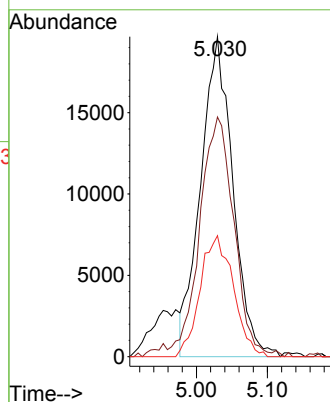
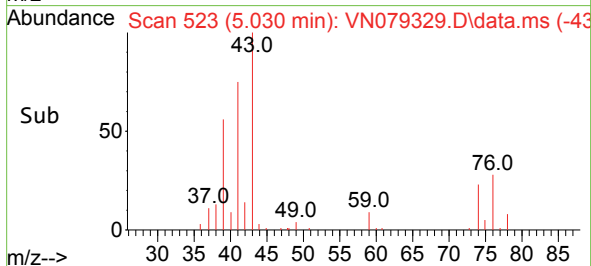


#17  
 Allyl chloride  
 Concen: 30.144 ug/l  
 RT: 5.030 min Scan# 51  
 Delta R.T. 0.012 min  
 Lab File: VN079329.D  
 Acq: 22 Sep 2023 10:14

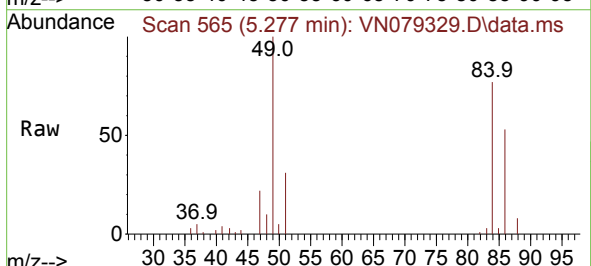
Instrument :  
 MSVOA\_N  
 ClientSampleId :



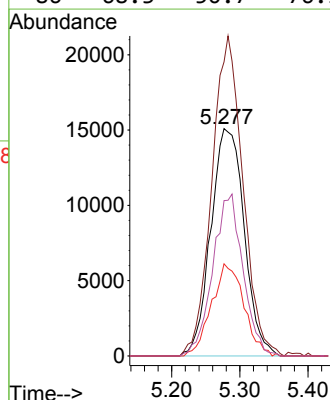
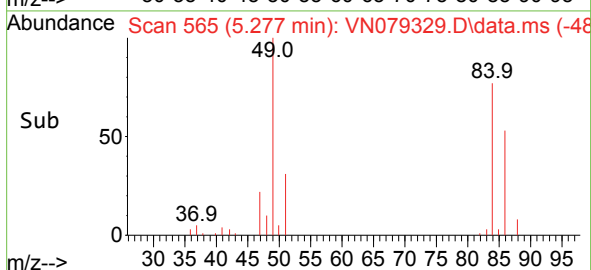
Tgt Ion: 41 Resp: 61997  
 Ion Ratio Lower Upper  
 41 100  
 39 73.9 38.3 114.8  
 76 37.8 23.7 71.1

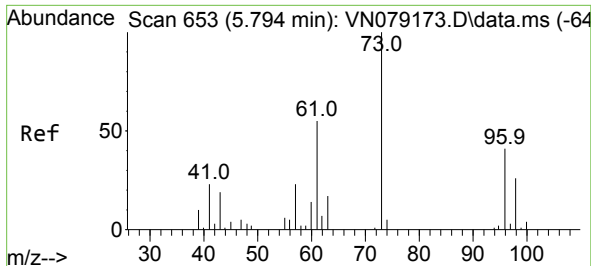


#18  
 Methylene Chloride  
 Concen: 29.966 ug/l  
 RT: 5.277 min Scan# 565  
 Delta R.T. -0.006 min  
 Lab File: VN079329.D  
 Acq: 22 Sep 2023 10:14



Tgt Ion: 84 Resp: 51443  
 Ion Ratio Lower Upper  
 84 100  
 49 129.3 86.9 130.3  
 51 40.6 28.6 43.0  
 86 68.3 50.7 76.1





#19

trans-1,2-Dichloroethene

Concen: 27.779 ug/l

RT: 5.794 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

ClientSampleId :

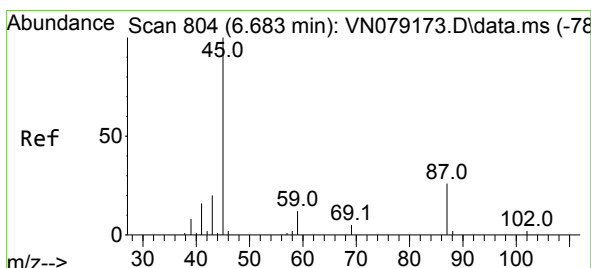
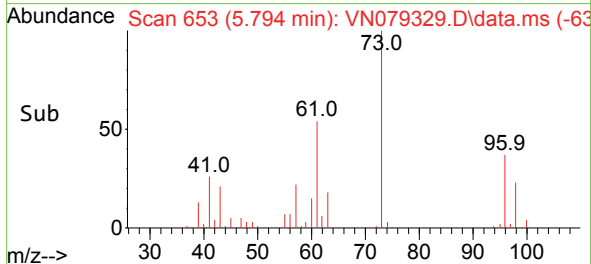
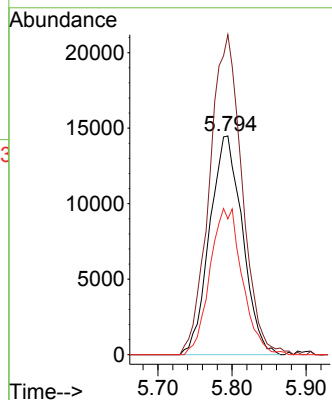
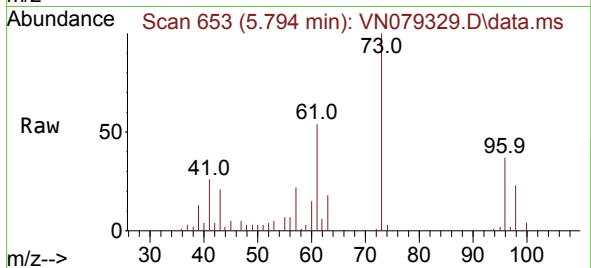
Tgt Ion: 96 Resp: 44485

Ion Ratio Lower Upper

96 100

61 146.3 106.6 159.8

98 62.1 51.0 76.4



#20

Diisopropyl ether

Concen: 26.010 ug/l

RT: 6.677 min Scan# 803

Delta R.T. -0.006 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Tgt Ion: 45 Resp: 159704

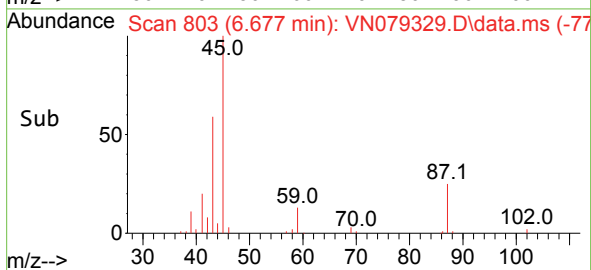
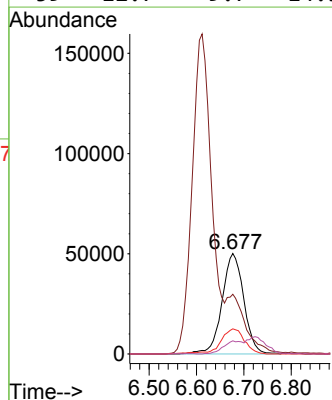
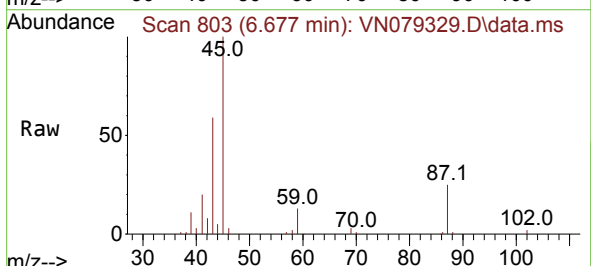
Ion Ratio Lower Upper

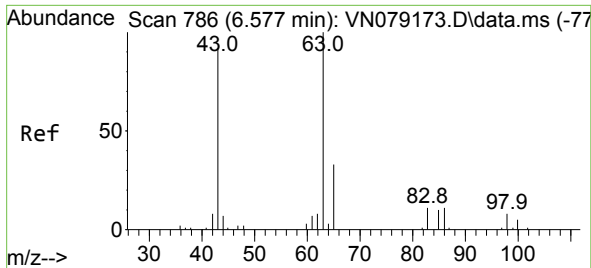
45 100

43 57.7 34.9 52.3#

87 25.1 21.5 32.3

59 12.7 9.7 14.5





#21

1,1-Dichloroethane

Concen: 26.164 ug/l

RT: 6.571 min Scan# 71

Delta R.T. -0.006 min

Lab File: VN079329.D

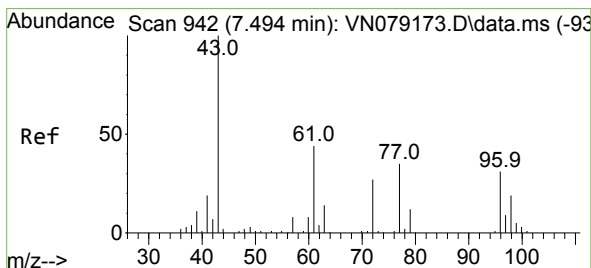
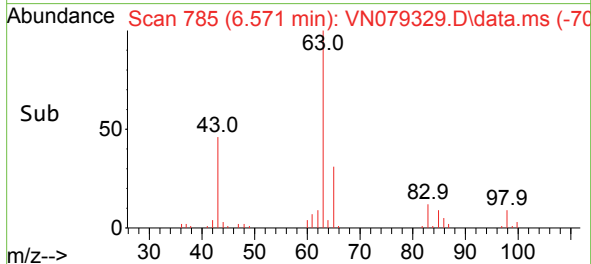
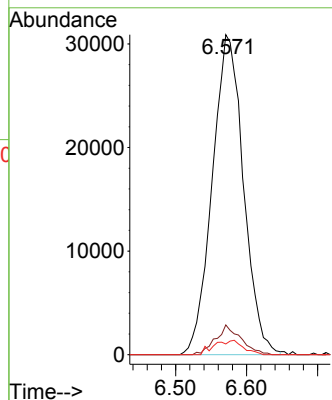
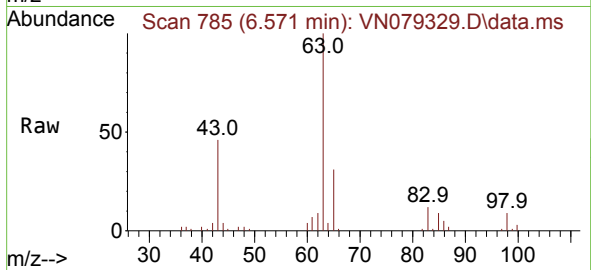
Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 94112 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 9.3   | 3.9   | 11.5  |
| 100      | 3.3   | 2.5   | 7.5   |



#22

cis-1,2-Dichloroethene

Concen: 21.670 ug/l

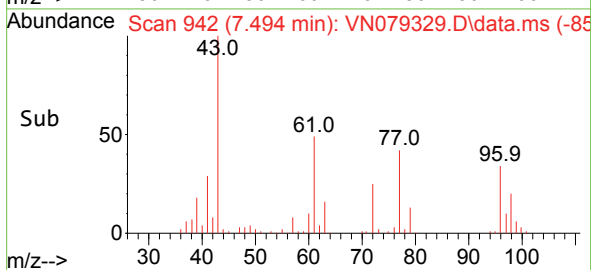
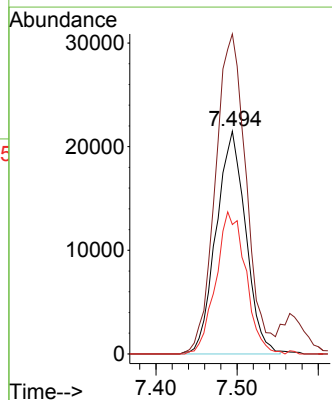
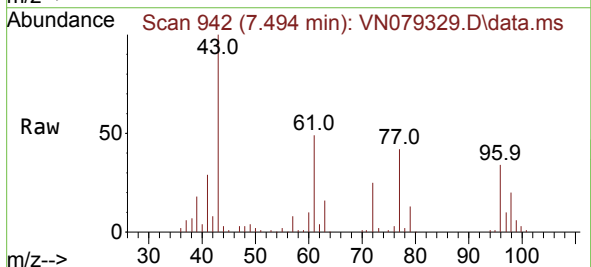
RT: 7.494 min Scan# 942

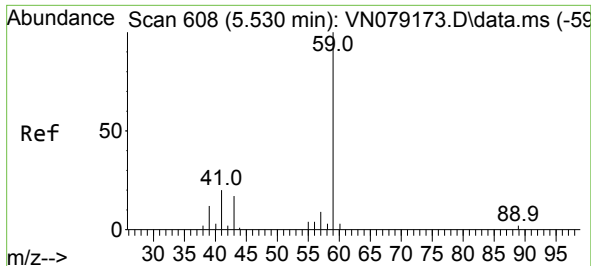
Delta R.T. 0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

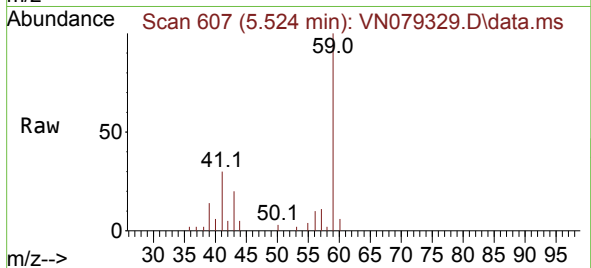
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 54270 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 150.1 | 113.0 | 169.6 |
| 98       | 64.6  | 50.2  | 75.4  |



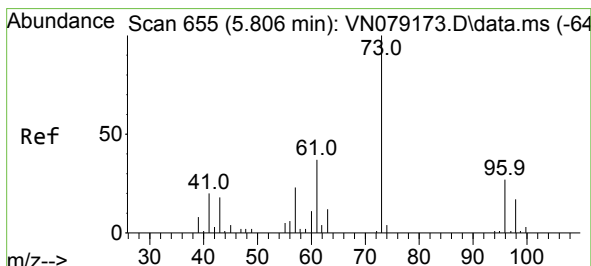
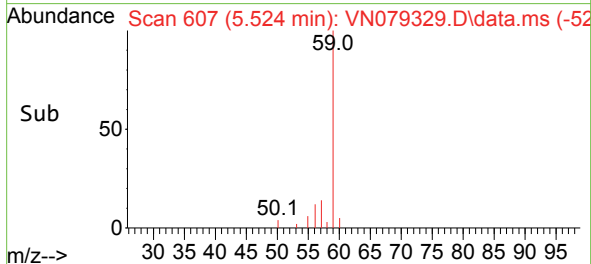
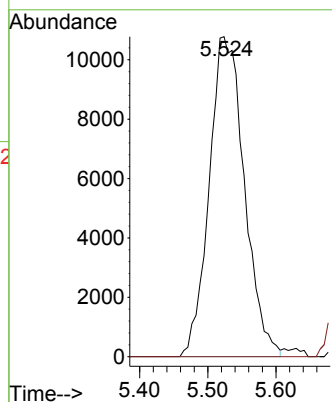


#23  
 tert-Butyl Alcohol  
 Concen: 114.811 ug/l  
 RT: 5.524 min Scan# 608  
 Delta R.T. -0.006 min  
 Lab File: VN079329.D  
 Acq: 22 Sep 2023 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :

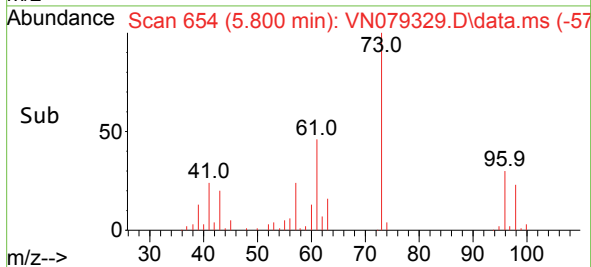
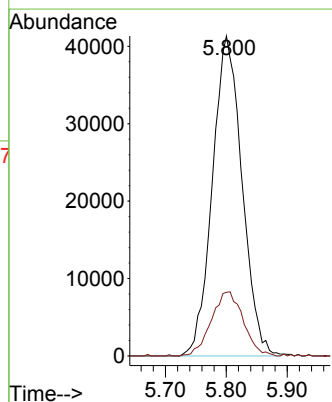
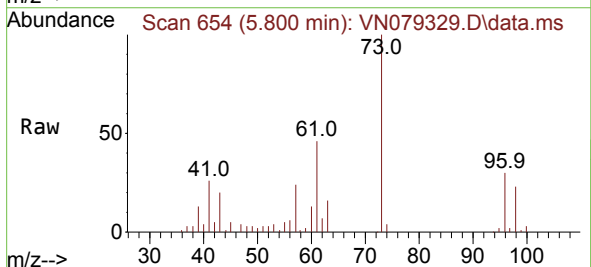


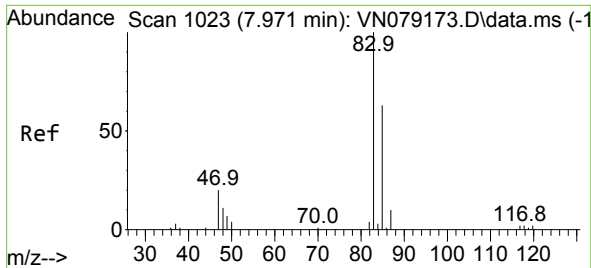
Tgt Ion: 59 Resp: 38651  
 Ion Ratio Lower Upper  
 59 100  
 52 0.0 0.0 0.0



#24  
 Methyl tert-Butyl Ether  
 Concen: 27.664 ug/l  
 RT: 5.800 min Scan# 654  
 Delta R.T. -0.006 min  
 Lab File: VN079329.D  
 Acq: 22 Sep 2023 10:14

Tgt Ion: 73 Resp: 139747  
 Ion Ratio Lower Upper  
 73 100  
 43 21.6 14.7 22.1





#25

Chloroform

Concen: 22.008 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

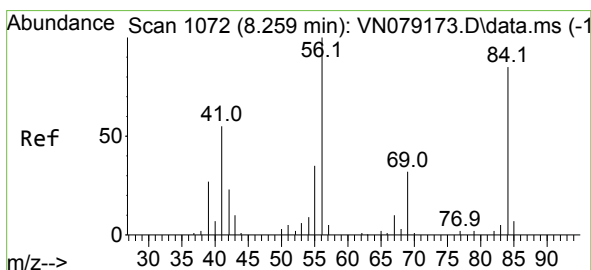
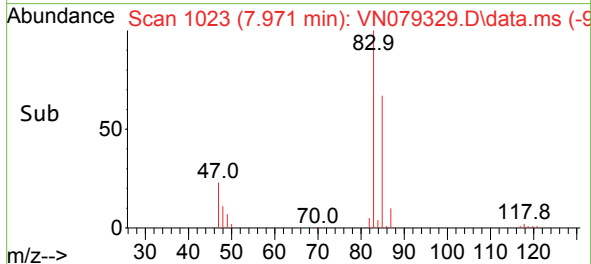
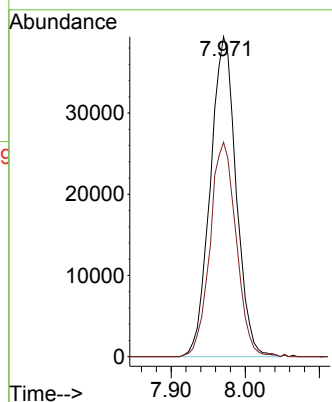
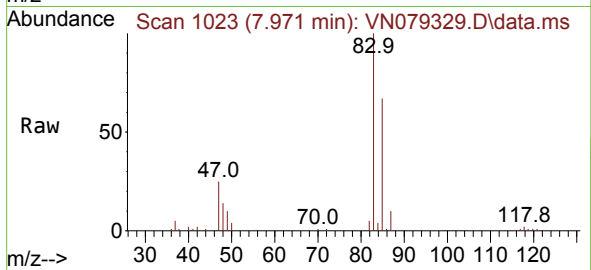
ClientSampleId :

Tgt Ion: 83 Resp: 95457

Ion Ratio Lower Upper

83 100

85 67.0 50.6 76.0



#26

Cyclohexane

Concen: 21.074 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.006 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

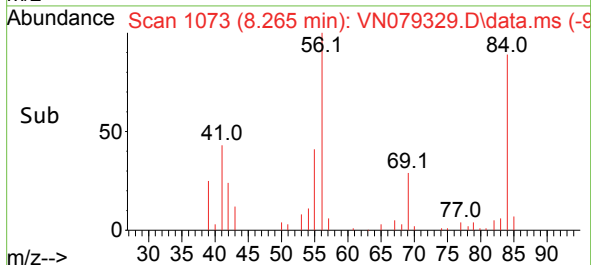
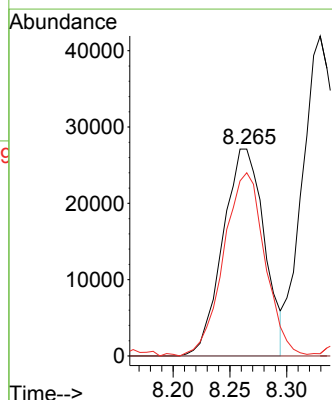
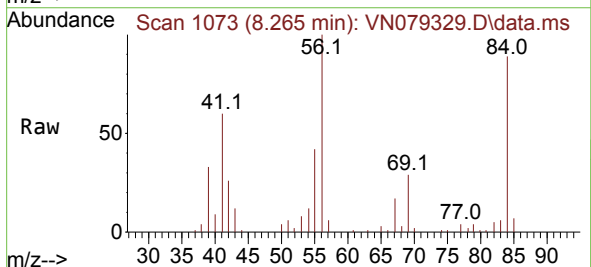
Tgt Ion: 56 Resp: 68738

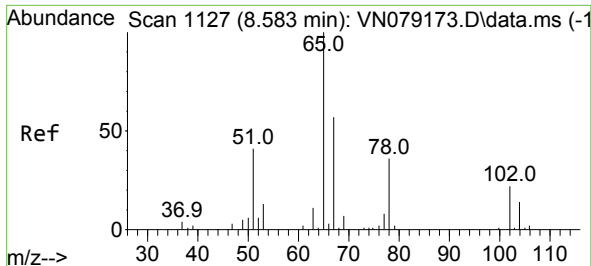
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 88.2 71.1 106.7

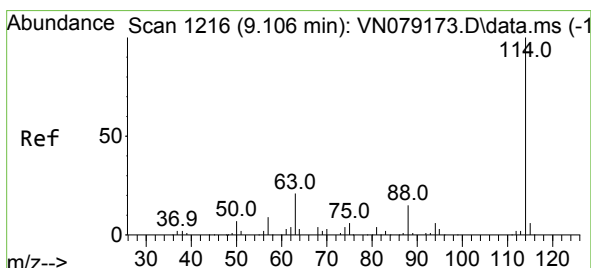
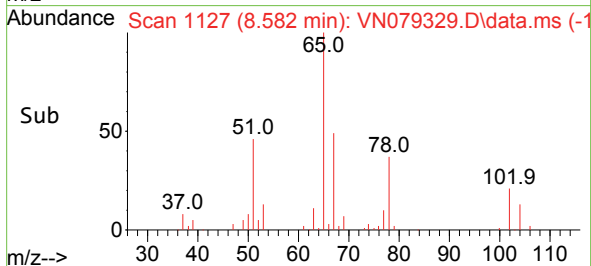
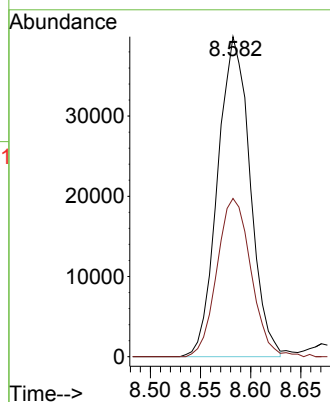
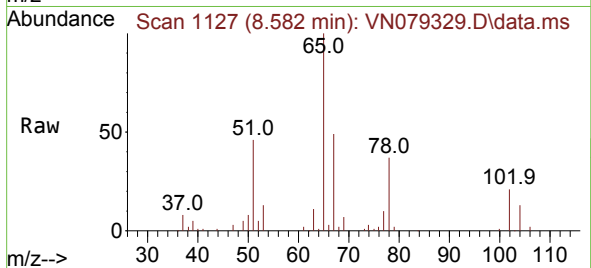




#27  
1,2-Dichloroethane-d4  
Concen: 32.804 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.001 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

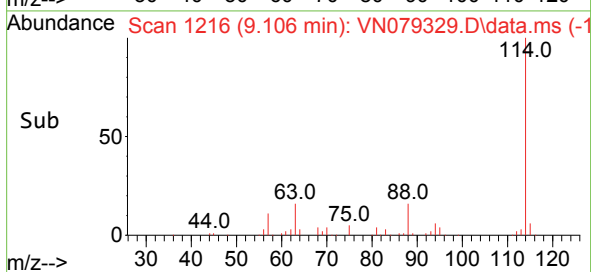
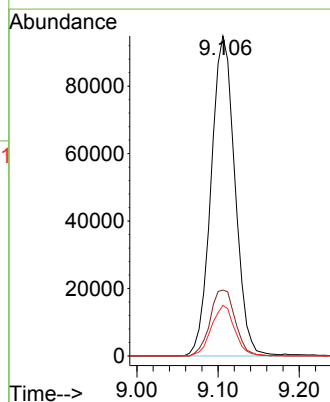
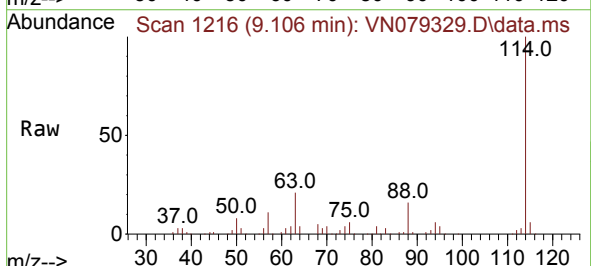
Instrument :  
MSVOA\_N  
ClientSampleId :

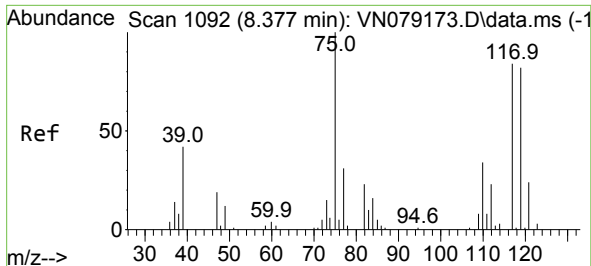
Tgt Ion: 65 Resp: 89687  
Ion Ratio Lower Upper  
65 100  
67 51.9 44.4 66.6



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 114 Resp: 193733  
Ion Ratio Lower Upper  
114 100  
63 21.7 17.0 25.4  
88 15.4 12.8 19.2





#29

1,1-Dichloropropene

Concen: 21.346 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. -0.001 min

Lab File: VN079329.D

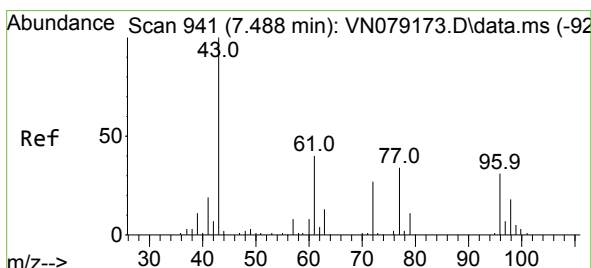
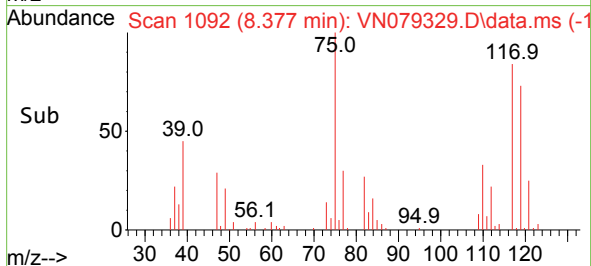
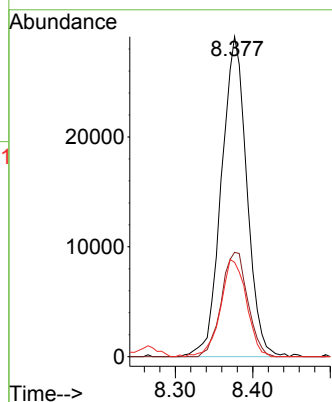
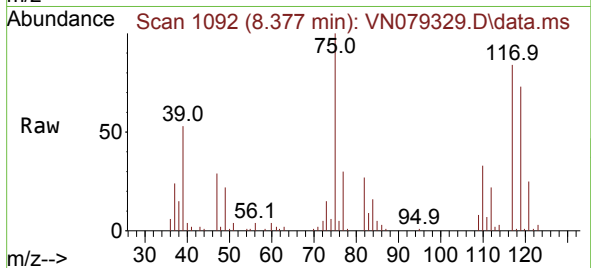
Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

ClientSampleId :

|             |               |
|-------------|---------------|
| Tgt Ion: 75 | Resp: 66304   |
| Ion Ratio   | Lower Upper   |
| 75          | 100           |
| 110         | 33.8 0.0 68.4 |
| 77          | 30.9 0.0 63.2 |



#30

2-Butanone

Concen: 107.378 ug/l

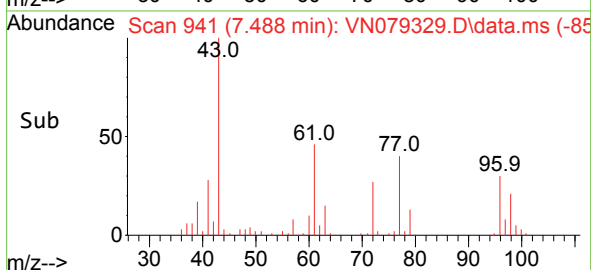
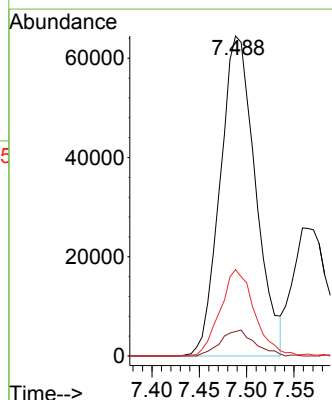
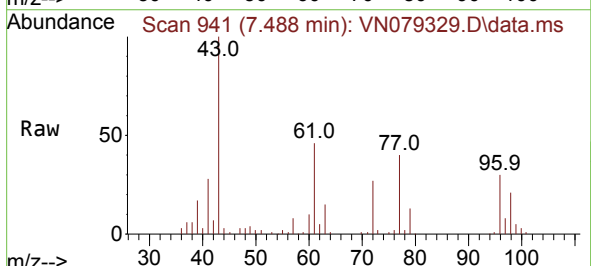
RT: 7.488 min Scan# 941

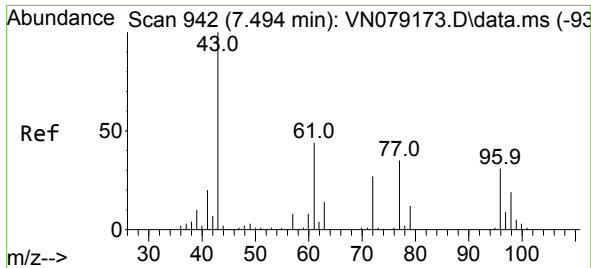
Delta R.T. 0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 167759   |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 57          | 7.8 6.8 10.2   |
| 72          | 26.1 22.4 33.6 |

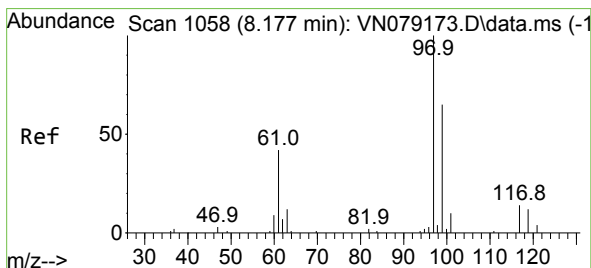
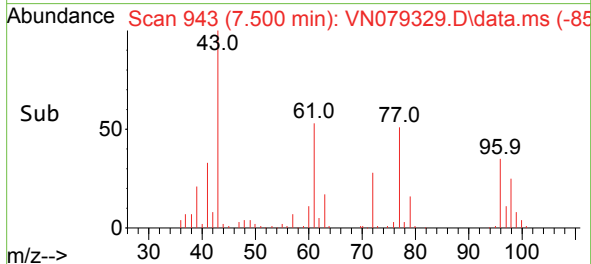
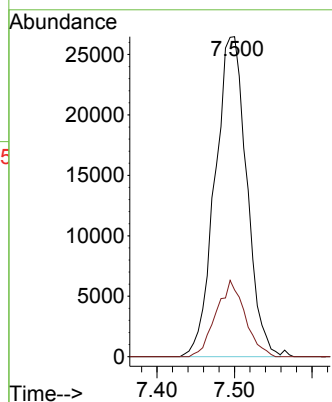
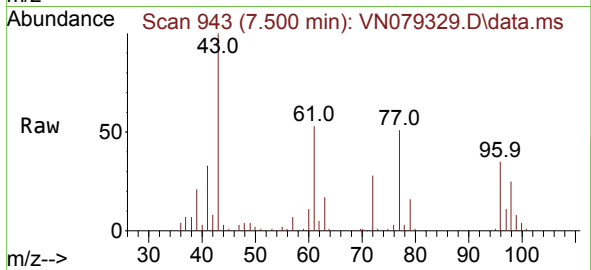




#31  
2,2-Dichloropropane  
Concen: 24.252 ug/l  
RT: 7.500 min Scan# 94  
Delta R.T. 0.006 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

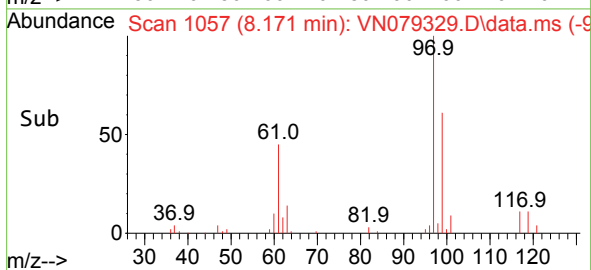
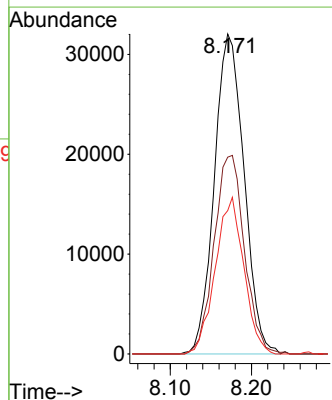
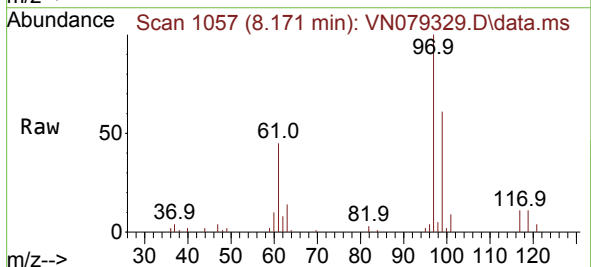
Instrument :  
MSVOA\_N  
ClientSampleId :

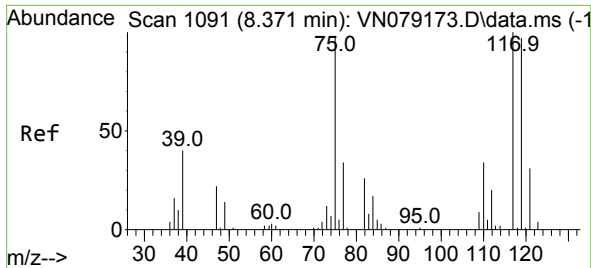
Tgt Ion: 77 Resp: 75139  
Ion Ratio Lower Upper  
77 100  
97 21.9 17.8 26.8



#32  
1,1,1-Trichloroethane  
Concen: 22.288 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 97 Resp: 81563  
Ion Ratio Lower Upper  
97 100  
99 63.2 52.0 78.0  
61 47.0 33.4 50.0

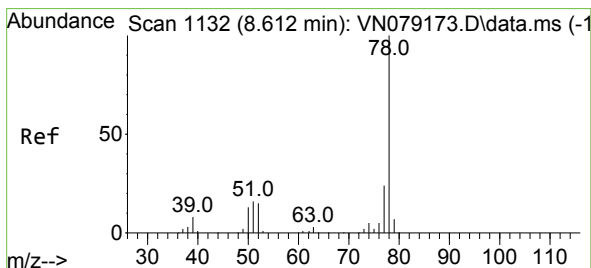
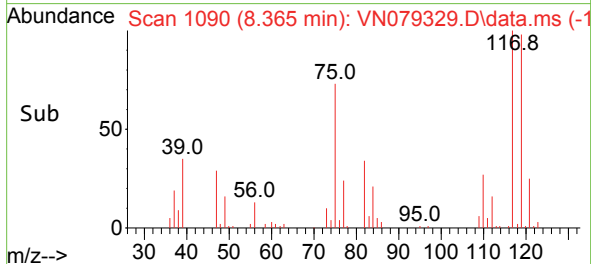
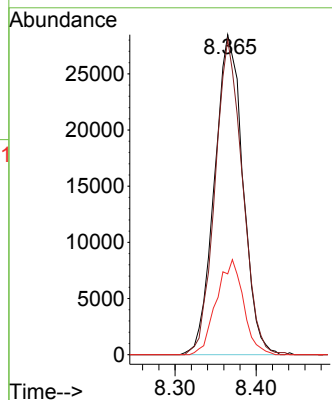
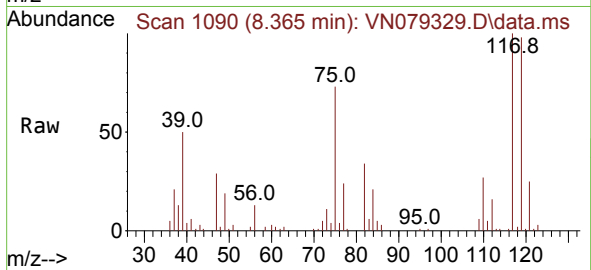




#33  
Carbon Tetrachloride  
Concen: 22.040 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

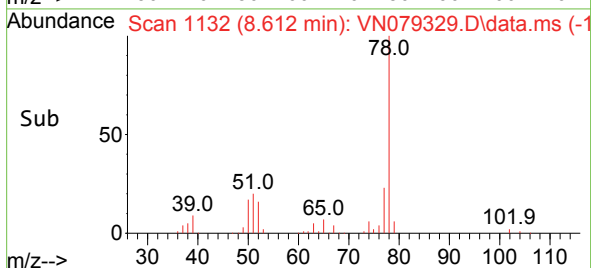
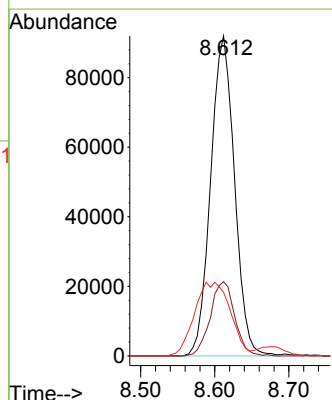
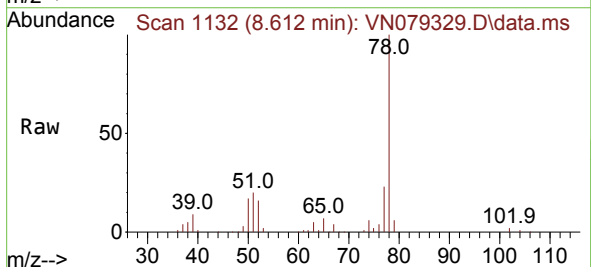
Instrument :  
MSVOA\_N  
ClientSampleId :

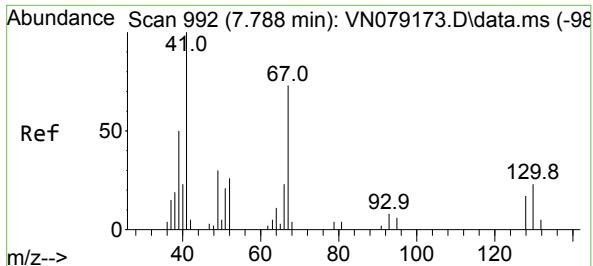
Tgt Ion:117 Resp: 69282  
Ion Ratio Lower Upper  
117 100  
119 98.4 77.9 116.9  
121 25.3 25.1 37.7



#34  
Benzene  
Concen: 20.864 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 78 Resp: 205906  
Ion Ratio Lower Upper  
78 100  
77 23.2 18.9 28.3  
51 17.9 13.1 19.7

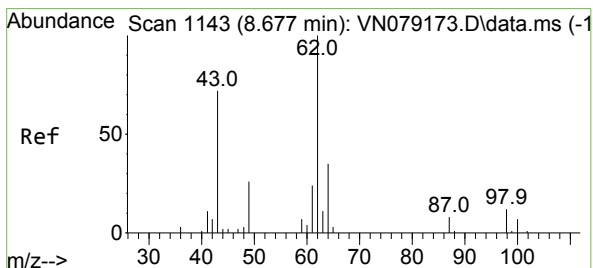
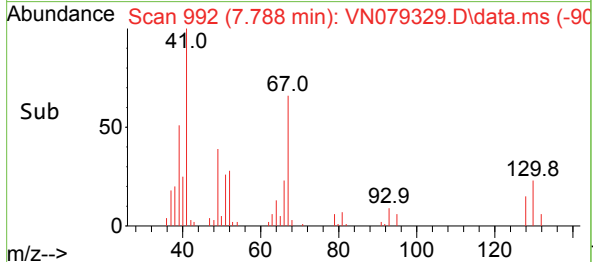
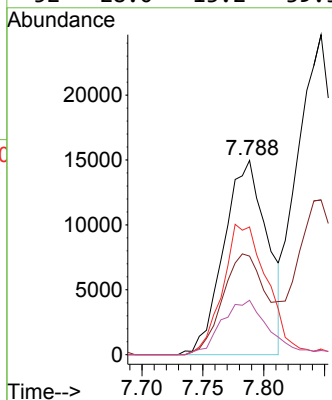
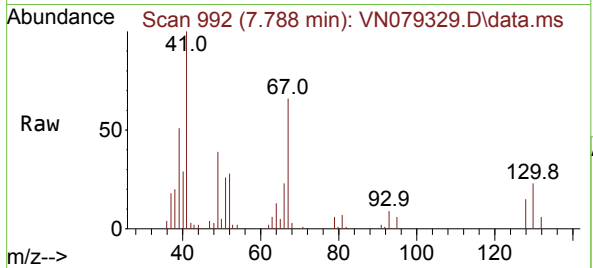




#35  
Methacrylonitrile  
Concen: 22.108 ug/l  
RT: 7.788 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

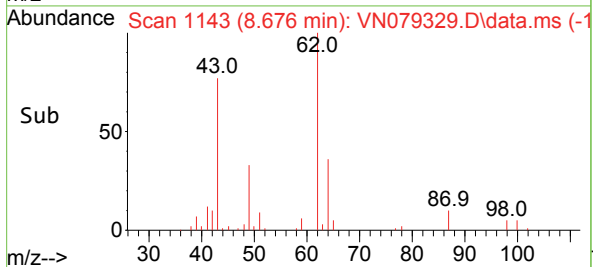
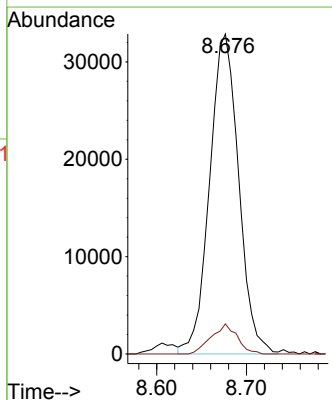
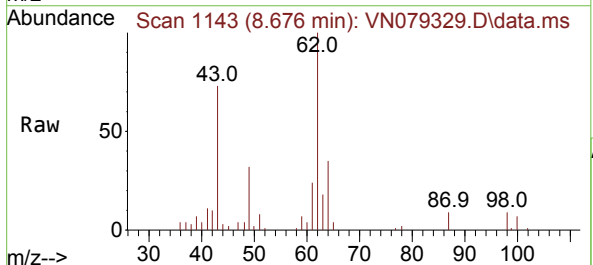
Instrument :  
MSVOA\_N  
ClientSampleId :

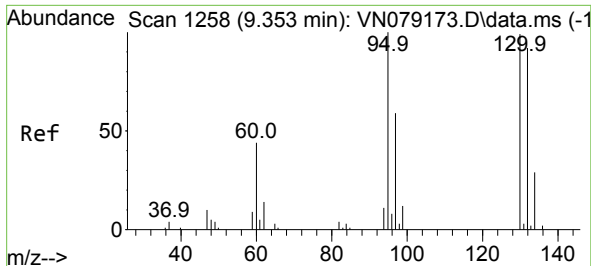
|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 41 | Resp: | 37190      |
| Ion Ratio   | Lower | Upper      |
| 41          | 100   |            |
| 39          | 50.8  | 24.9 74.6  |
| 67          | 65.7  | 36.7 110.1 |
| 52          | 28.0  | 13.2 39.5  |



#36  
1,2-Dichloroethane  
Concen: 22.712 ug/l  
RT: 8.676 min Scan# 1143  
Delta R.T. -0.001 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

|             |       |          |
|-------------|-------|----------|
| Tgt Ion: 62 | Resp: | 73920    |
| Ion Ratio   | Lower | Upper    |
| 62          | 100   |          |
| 98          | 8.4   | 8.2 12.2 |





#37

Trichloroethene

Concen: 20.276 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

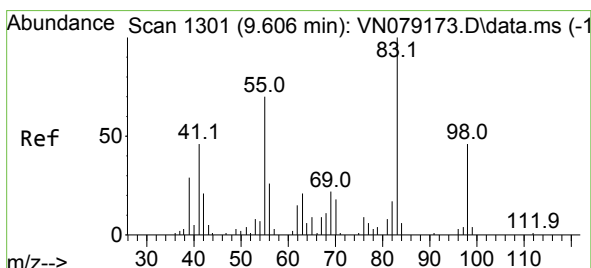
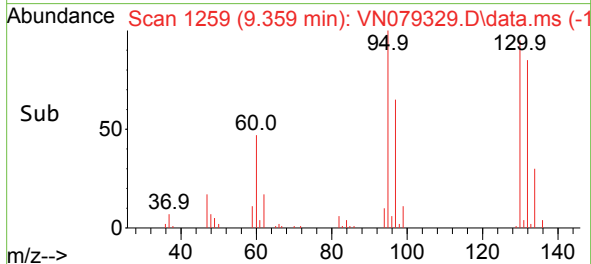
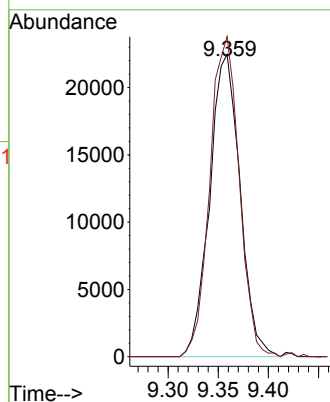
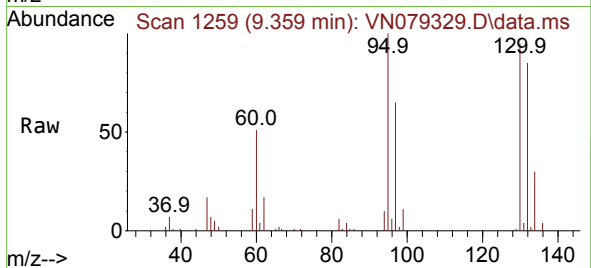
ClientSampleId :

Tgt Ion:130 Resp: 47297

Ion Ratio Lower Upper

130 100

95 105.8 81.0 121.4



#38

Methylcyclohexane

Concen: 20.486 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

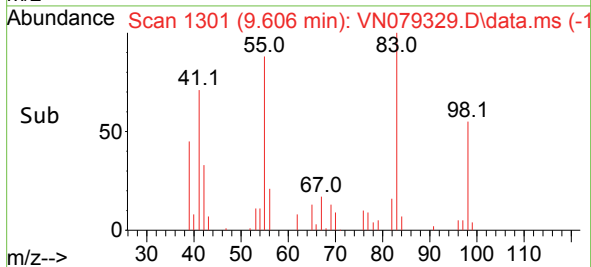
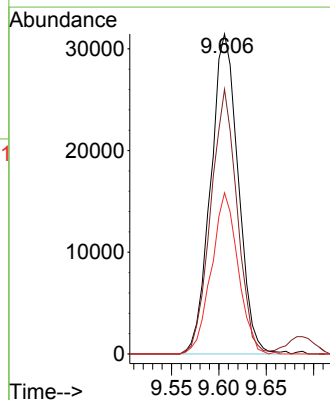
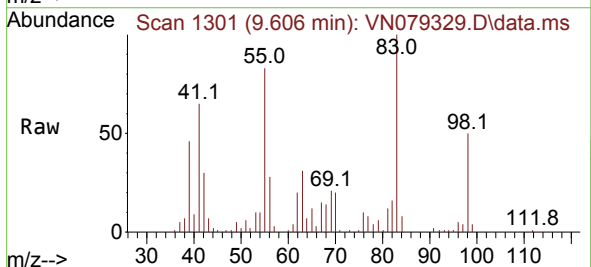
Tgt Ion: 83 Resp: 63613

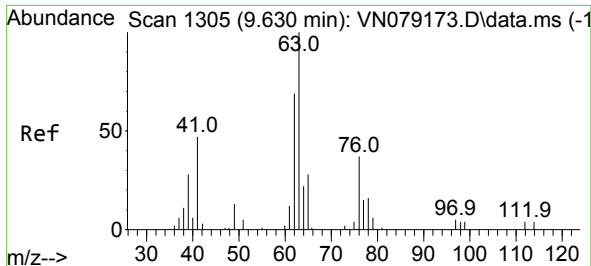
Ion Ratio Lower Upper

83 100

55 79.3 39.1 117.2

98 48.8 24.1 72.4





#39

1,2-Dichloropropane

Concen: 21.522 ug/l

RT: 9.629 min Scan# 11

Delta R.T. -0.001 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

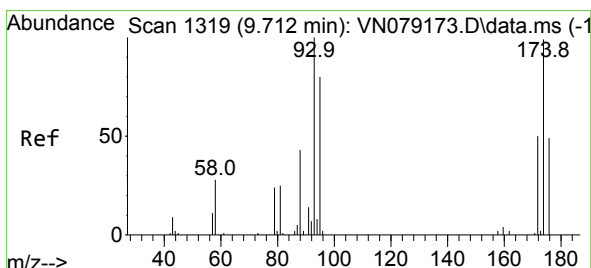
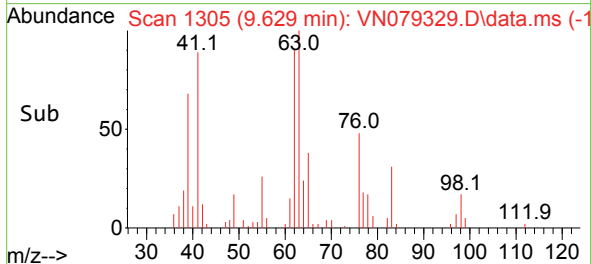
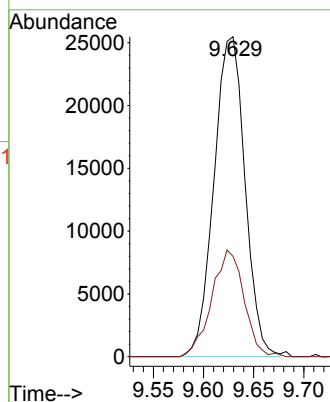
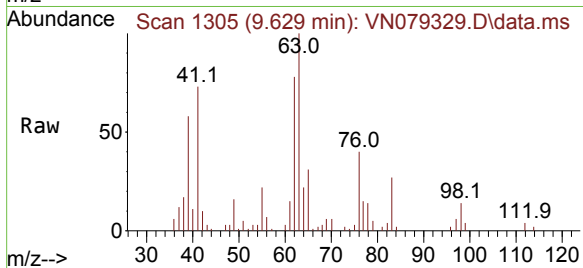
ClientSampleId :

Tgt Ion: 63 Resp: 54787

Ion Ratio Lower Upper

63 100

65 31.4 23.4 35.0



#40

Dibromomethane

Concen: 21.312 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

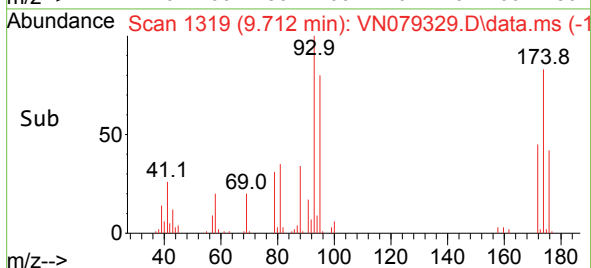
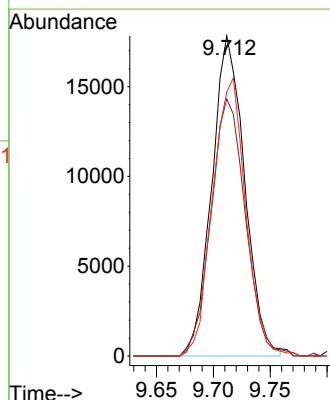
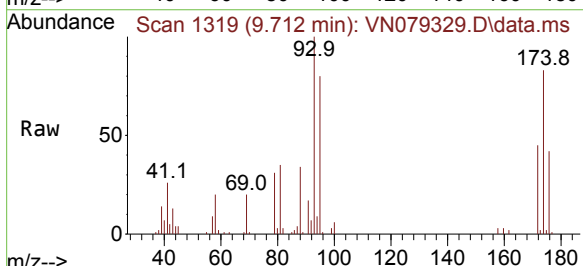
Tgt Ion: 93 Resp: 35778

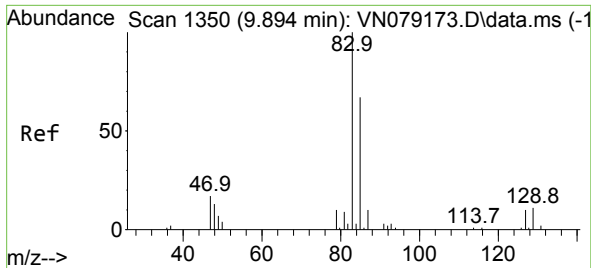
Ion Ratio Lower Upper

93 100

95 84.0 0.0 172.4

174 87.8 0.0 192.4

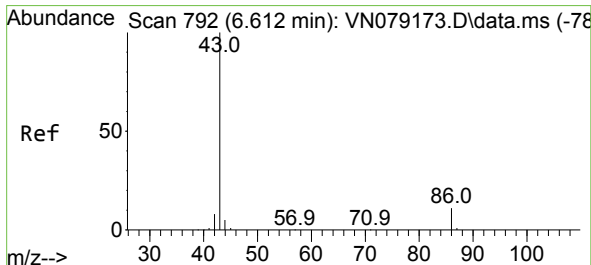
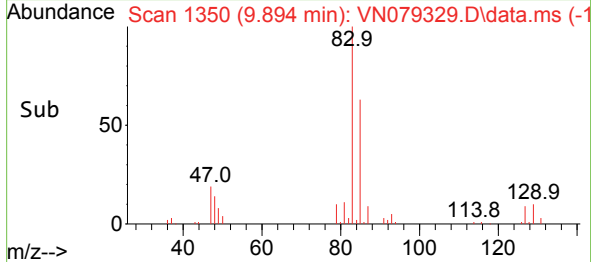
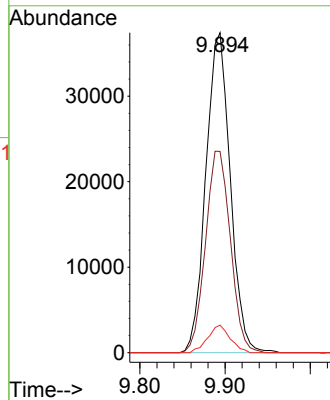
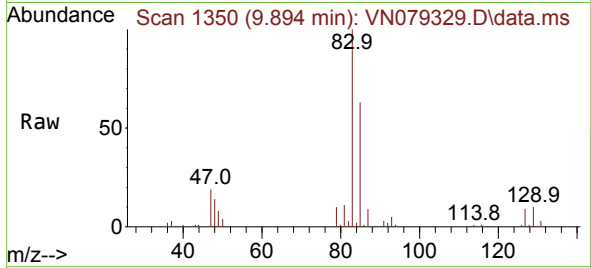




#41  
Bromodichloromethane  
Concen: 22.242 ug/l  
RT: 9.894 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

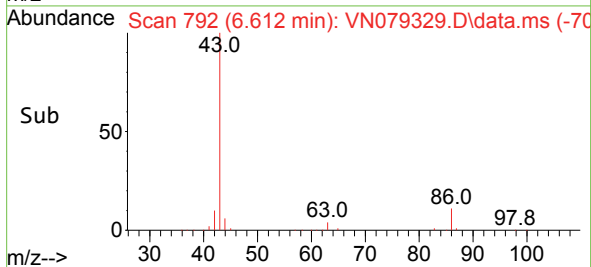
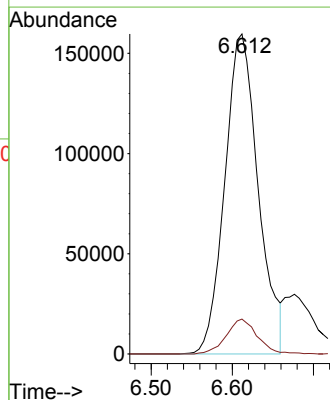
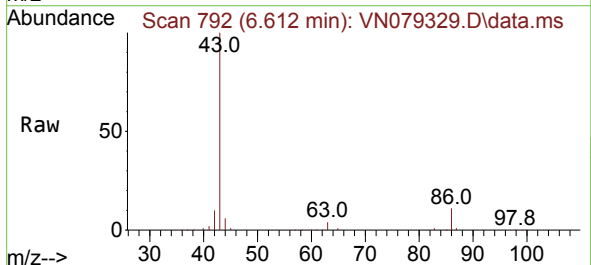
Instrument :  
MSVOA\_N  
ClientSampleId :

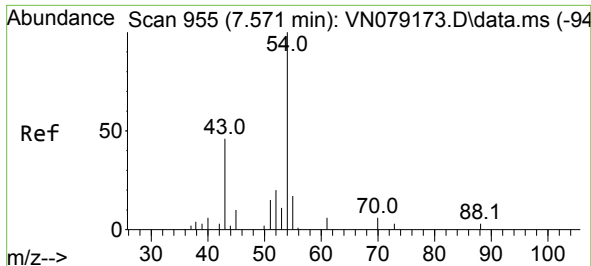
Tgt Ion: 83 Resp: 74433  
Ion Ratio Lower Upper  
83 100  
85 62.9 53.4 80.2  
127 8.6 8.3 12.5



#42  
Vinyl Acetate  
Concen: 123.356 ug/l  
RT: 6.612 min Scan# 792  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

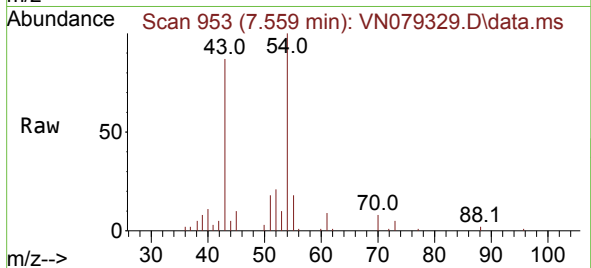
Tgt Ion: 43 Resp: 457692  
Ion Ratio Lower Upper  
43 100  
86 10.1 9.2 13.8



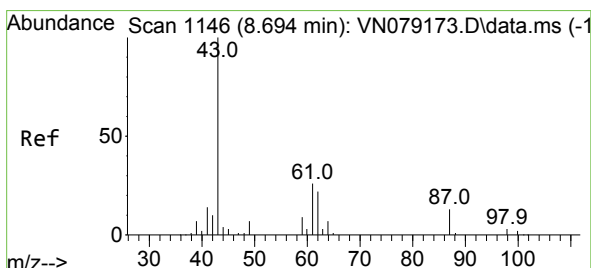
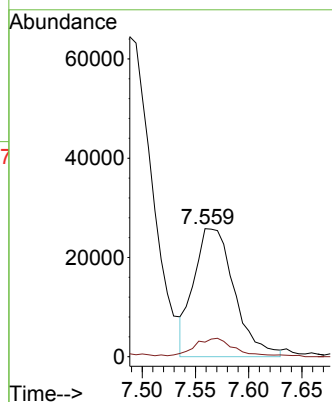
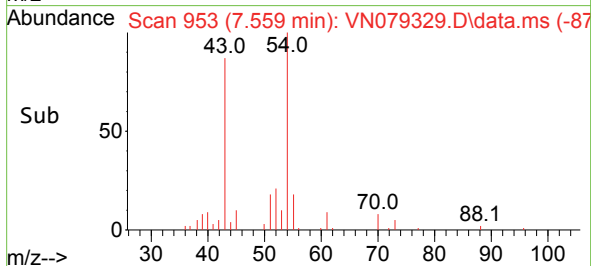


#43  
Ethyl Acetate  
Concen: 23.055 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :

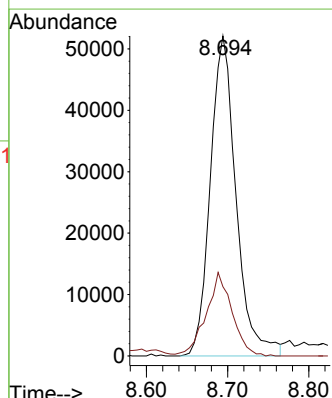
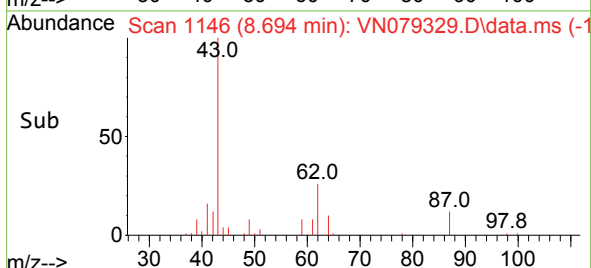
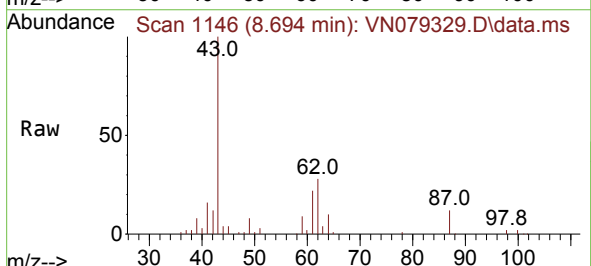


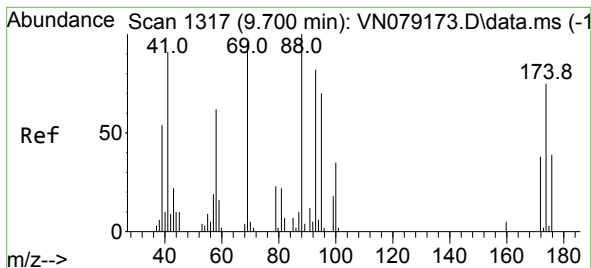
Tgt Ion: 43 Resp: 68409  
Ion Ratio Lower Upper  
43 100  
45 12.6 11.1 16.7



#44  
Isopropyl Acetate  
Concen: 21.553 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 43 Resp: 115042  
Ion Ratio Lower Upper  
43 100  
61 26.1 22.6 33.8





#45

1,4-Dioxane

Concen: 336.249 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

ClientSampleId :

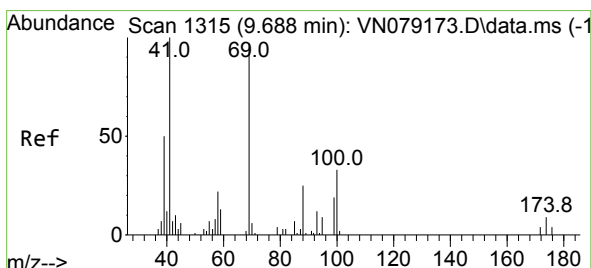
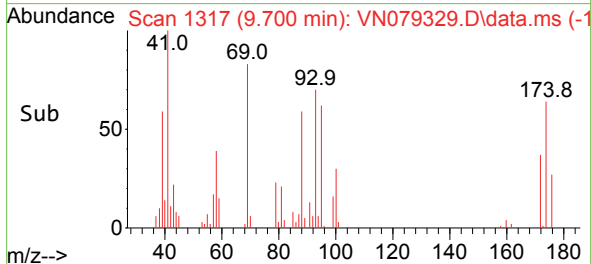
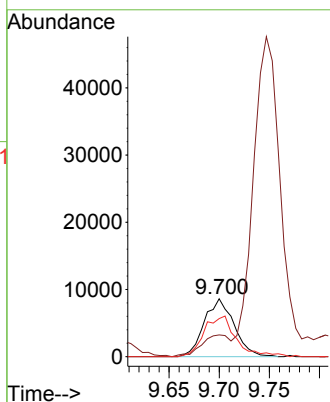
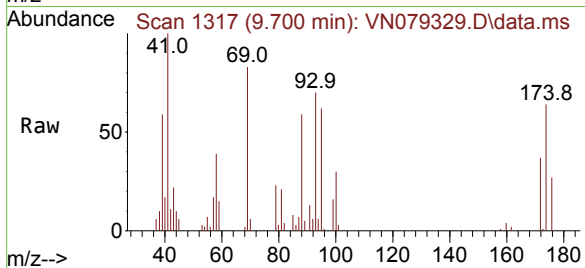
Tgt Ion: 88 Resp: 17865

Ion Ratio Lower Upper

88 100

43 29.7 19.9 29.9

58 75.4 58.0 87.0



#46

Methyl methacrylate

Concen: 21.038 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

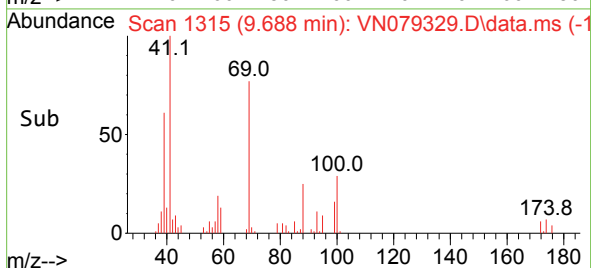
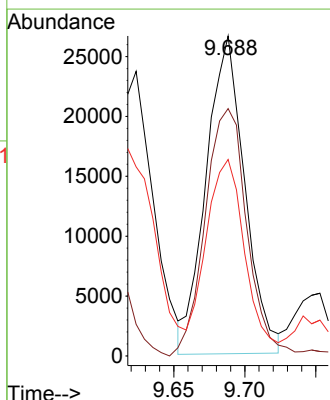
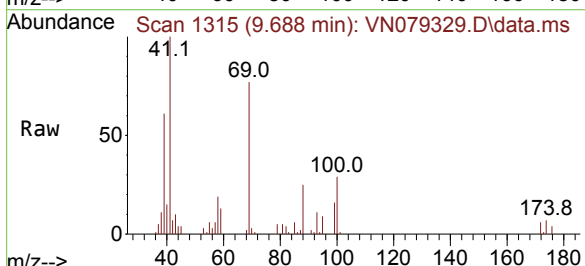
Tgt Ion: 41 Resp: 50170

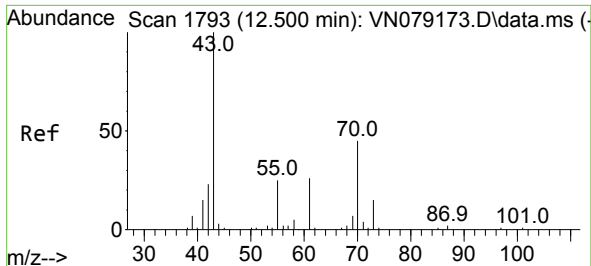
Ion Ratio Lower Upper

41 100

69 80.3 48.1 144.3

39 61.5 25.8 77.3

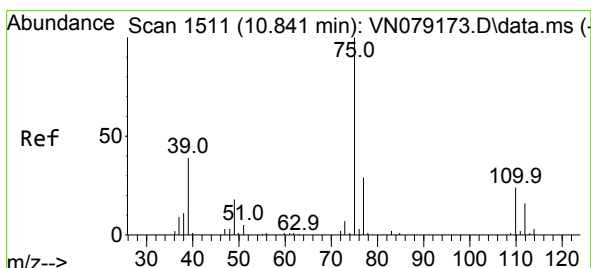
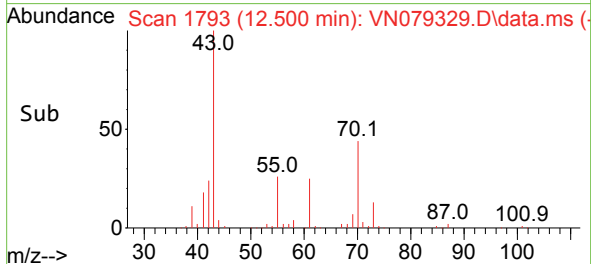
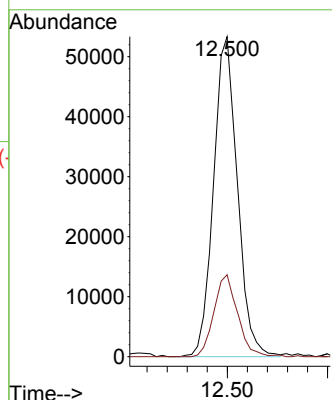
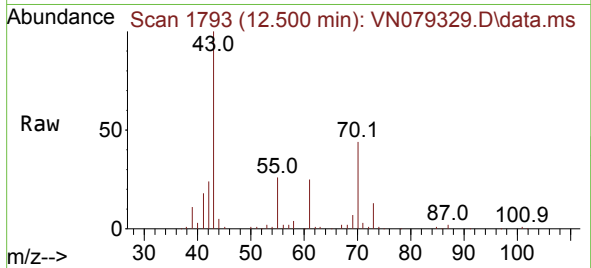




#47  
n-amyl acetate  
Concen: 23.470 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

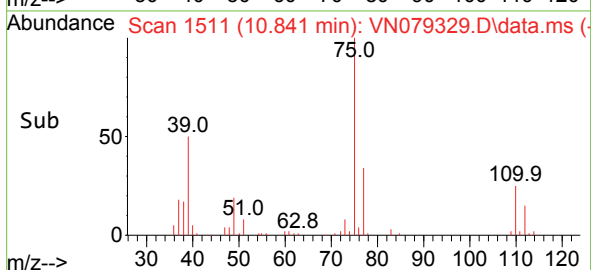
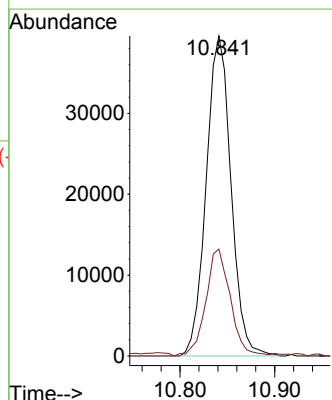
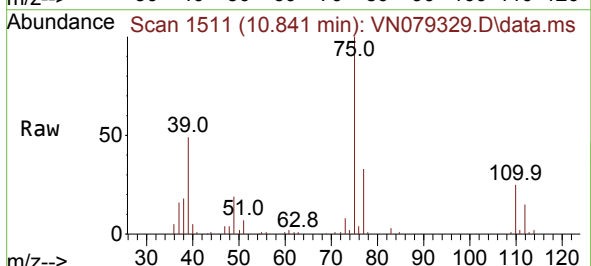
Instrument :  
MSVOA\_N  
ClientSampleId :

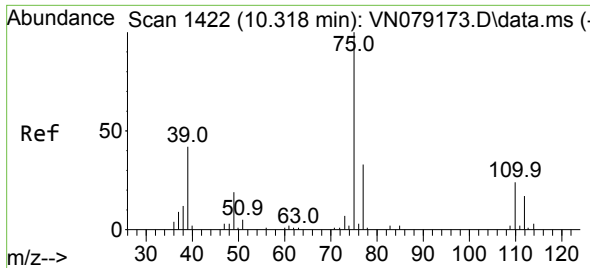
Tgt Ion: 43 Resp: 88103  
Ion Ratio Lower Upper  
43 100  
55 25.2 20.5 30.7



#48  
t-1,3-Dichloropropene  
Concen: 19.950 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 75 Resp: 72230  
Ion Ratio Lower Upper  
75 100  
77 32.9 22.9 34.3

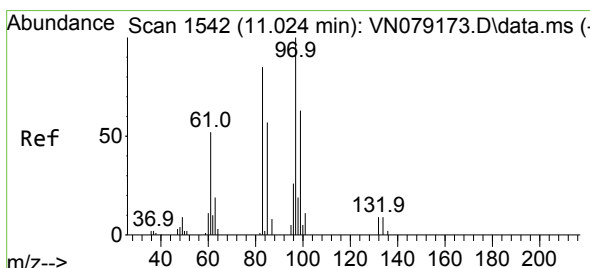
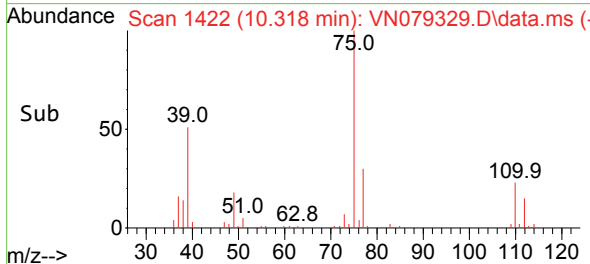
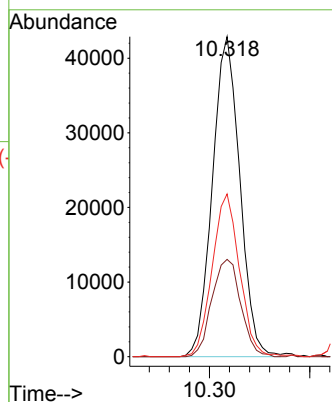
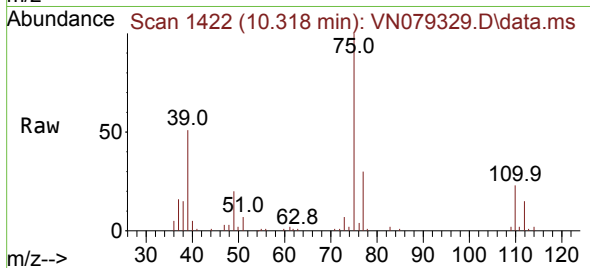




#49  
 cis-1,3-Dichloropropene  
 Concen: 21.507 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. -0.000 min  
 Lab File: VN079329.D  
 Acq: 22 Sep 2023 10:14

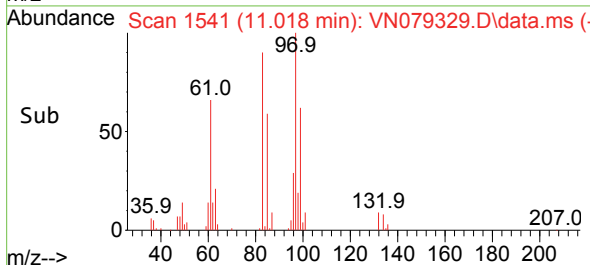
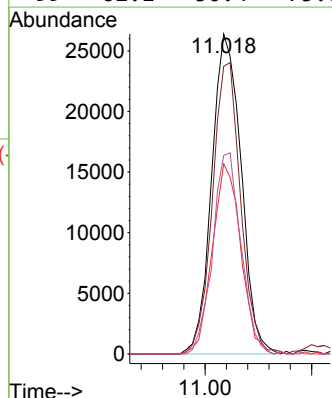
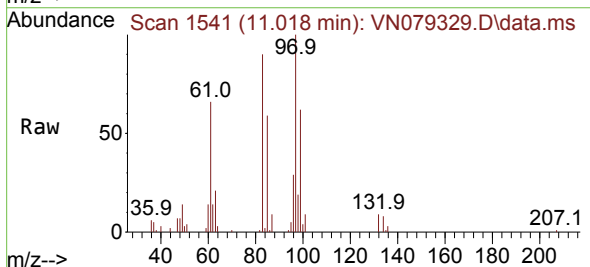
Instrument :  
 MSVOA\_N  
 ClientSampleId :

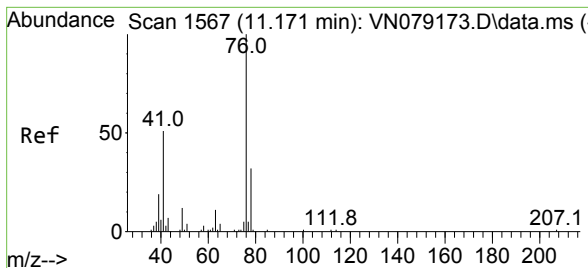
Tgt Ion: 75 Resp: 81222  
 Ion Ratio Lower Upper  
 75 100  
 77 30.4 26.2 39.2  
 39 50.9 33.8 50.8#



#50  
 1,1,2-Trichloroethane  
 Concen: 21.469 ug/l  
 RT: 11.018 min Scan# 1541  
 Delta R.T. -0.006 min  
 Lab File: VN079329.D  
 Acq: 22 Sep 2023 10:14

Tgt Ion: 97 Resp: 50561  
 Ion Ratio Lower Upper  
 97 100  
 83 89.9 68.9 103.3  
 85 59.4 45.3 67.9  
 99 62.1 50.4 75.6





#52

1,3-Dichloropropane

Concen: 21.521 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.001 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

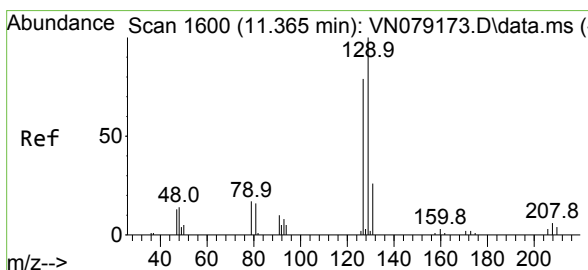
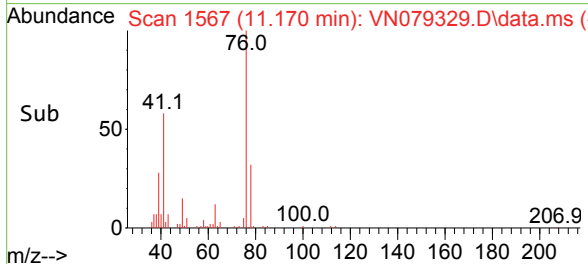
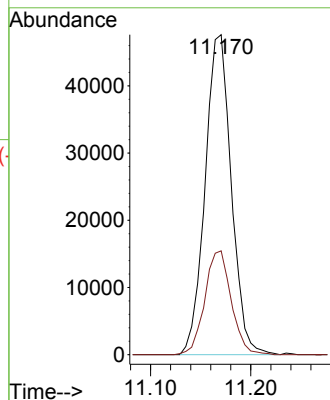
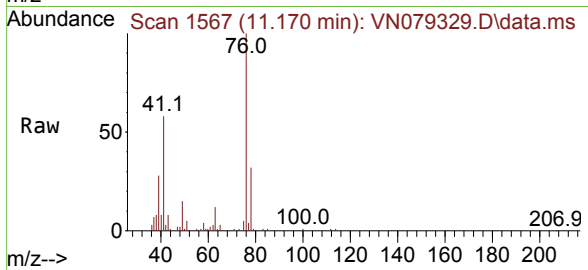
ClientSampleId :

Tgt Ion: 76 Resp: 86529

Ion Ratio Lower Upper

76 100

78 32.7 0.0 64.2



#53

Dibromochloromethane

Concen: 20.987 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VN079329.D

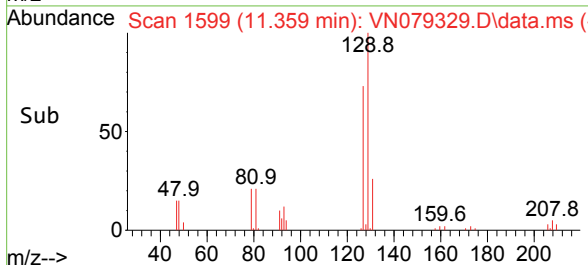
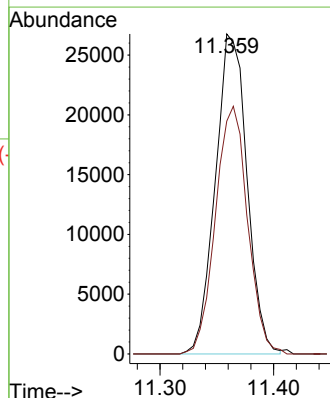
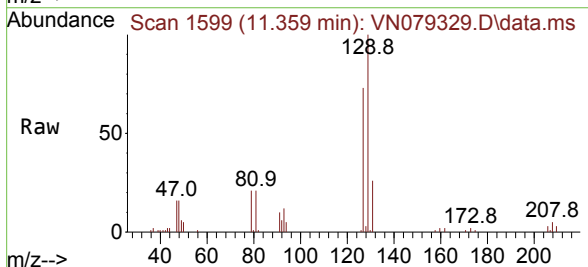
Acq: 22 Sep 2023 10:14

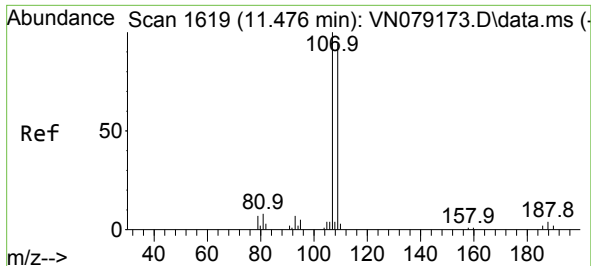
Tgt Ion: 129 Resp: 51840

Ion Ratio Lower Upper

129 100

127 78.5 38.7 116.1

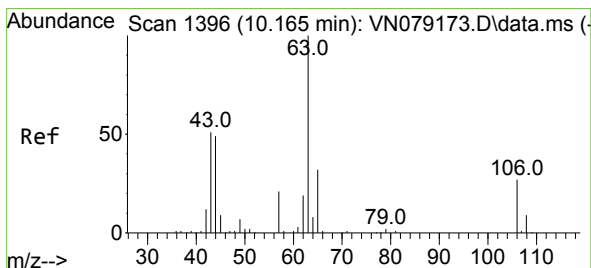
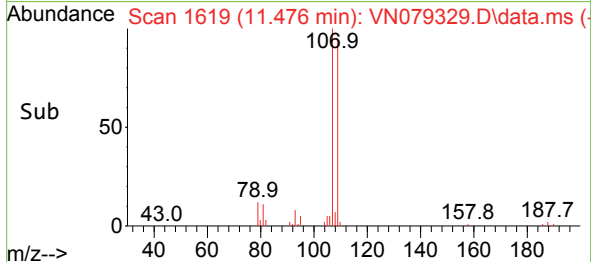
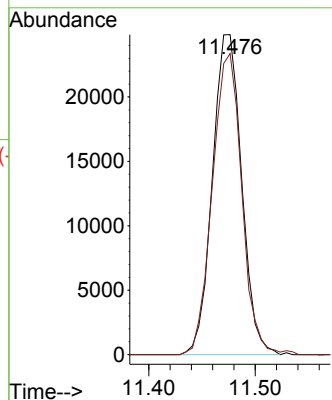
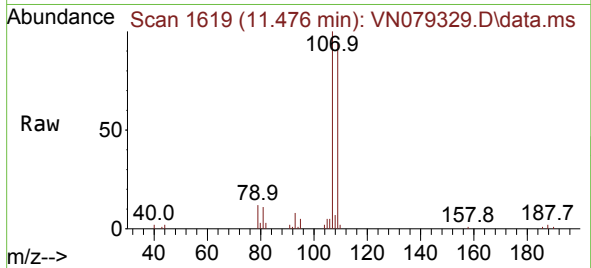




#54  
1,2-Dibromoethane  
Concen: 19.787 ug/l  
RT: 11.476 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

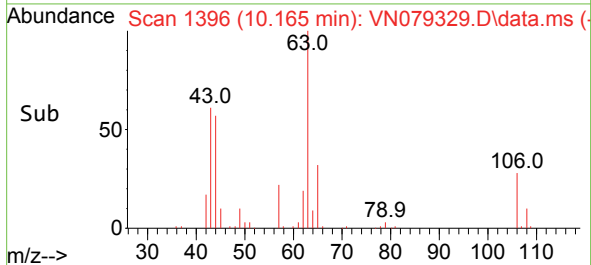
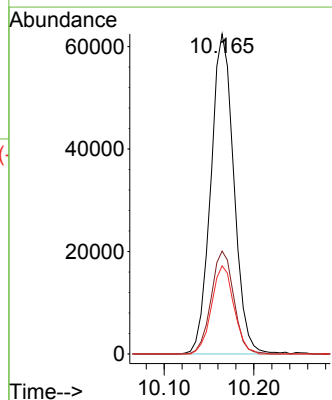
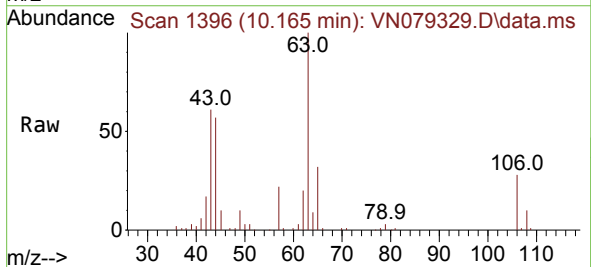
Instrument :  
MSVOA\_N  
ClientSampleId :

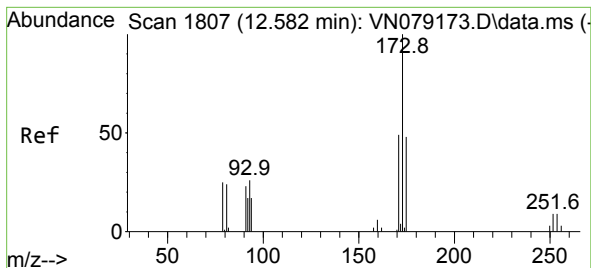
Tgt Ion:107 Resp: 47322  
Ion Ratio Lower Upper  
107 100  
109 94.4 76.4 114.6



#55  
2-Chloroethyl vinyl ether  
Concen: 86.190 ug/l  
RT: 10.165 min Scan# 1396  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 63 Resp: 111390  
Ion Ratio Lower Upper  
63 100  
65 31.5 25.7 38.5  
106 26.8 21.9 32.9





#56

Bromoform

Concen: 22.386 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

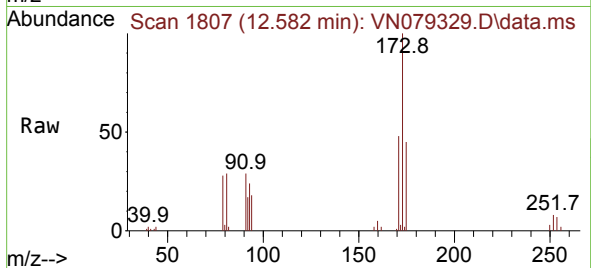
Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

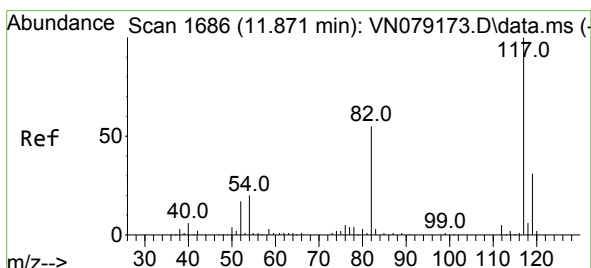
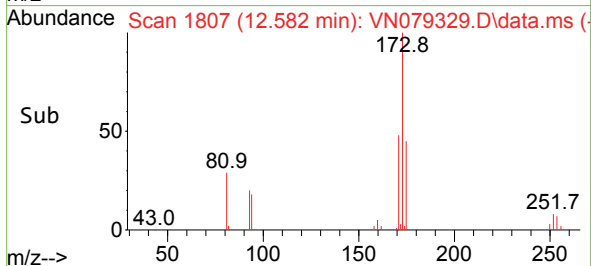
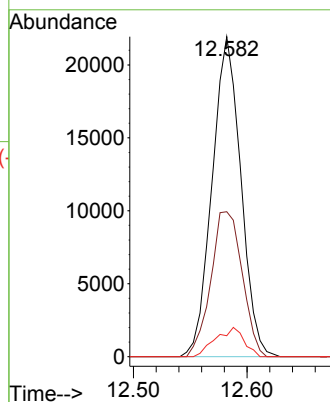
Instrument :

MSVOA\_N

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 38530 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.4  | 37.6  | 56.4  |
| 254       | 9.0   | 7.8   | 11.8  |



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

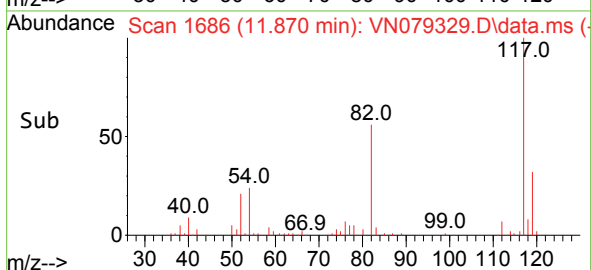
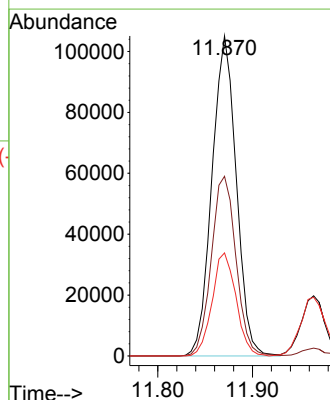
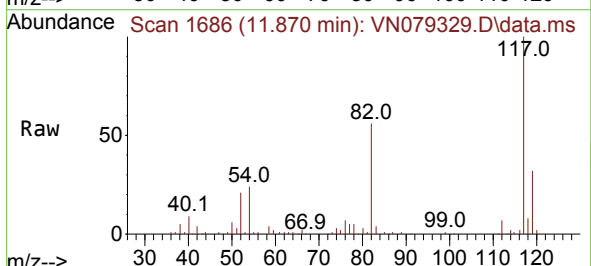
RT: 11.870 min Scan# 1686

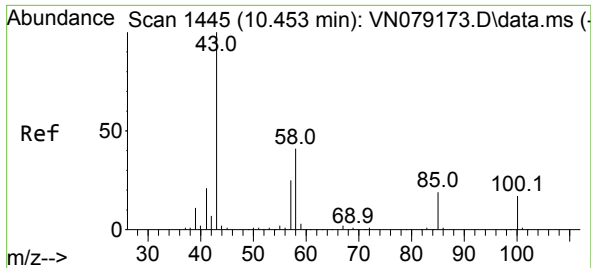
Delta R.T. -0.001 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 187645 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 57.0  | 44.7  | 67.1   |
| 119       | 31.6  | 24.9  | 37.3   |

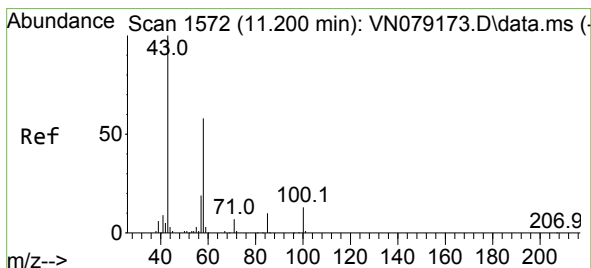
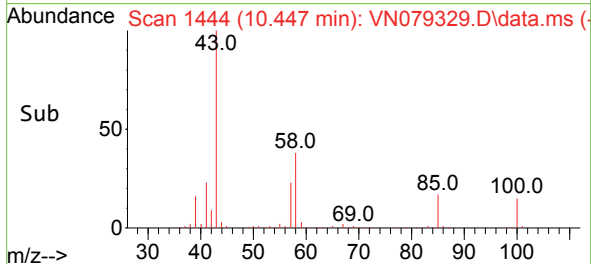
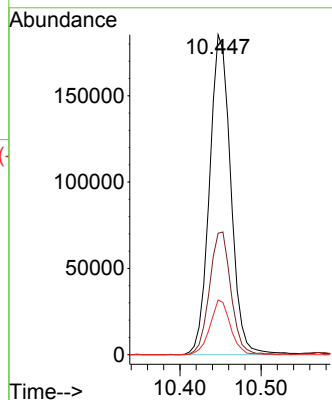
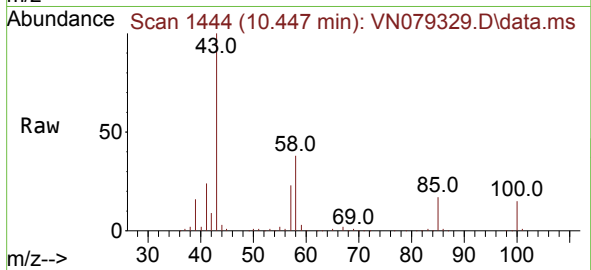




#58  
4-Methyl-2-Pentanone  
Concen: 97.785 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.006 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

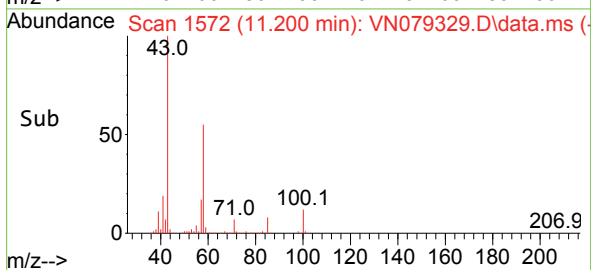
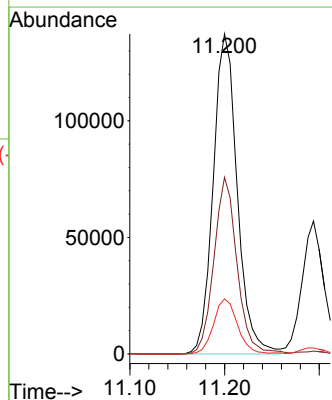
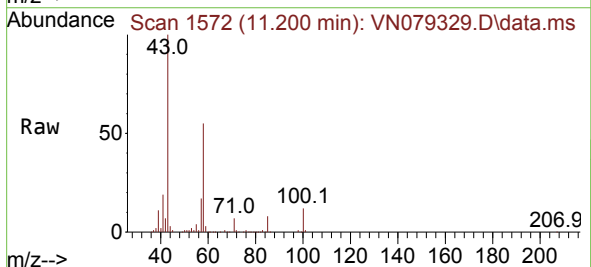
Instrument :  
MSVOA\_N  
ClientSampleId :

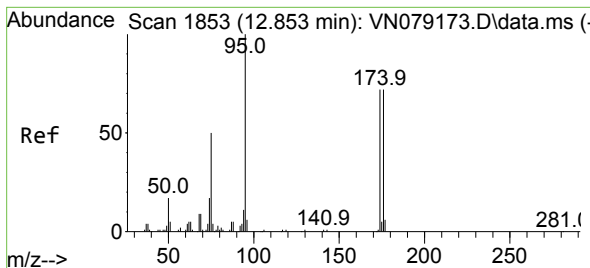
Tgt Ion: 43 Resp: 336711  
Ion Ratio Lower Upper  
43 100  
58 38.8 33.6 50.4  
85 16.4 15.0 22.4



#59  
2-Hexanone  
Concen: 100.031 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 43 Resp: 241901  
Ion Ratio Lower Upper  
43 100  
58 53.1 46.4 69.6  
57 17.2 15.3 22.9

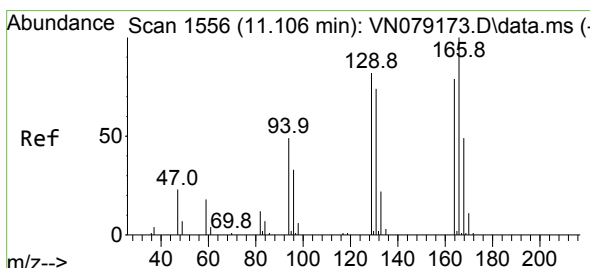
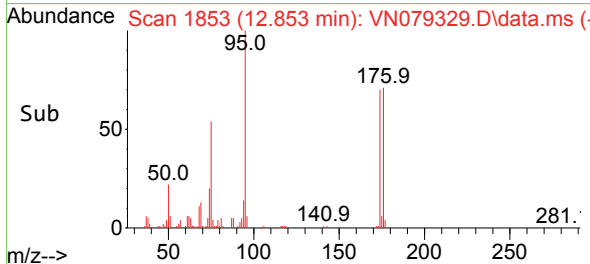
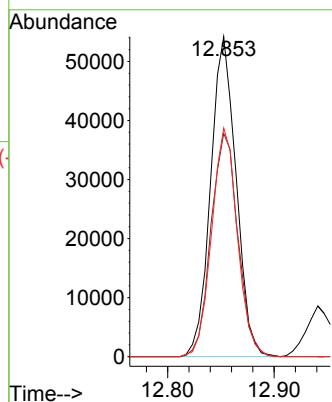
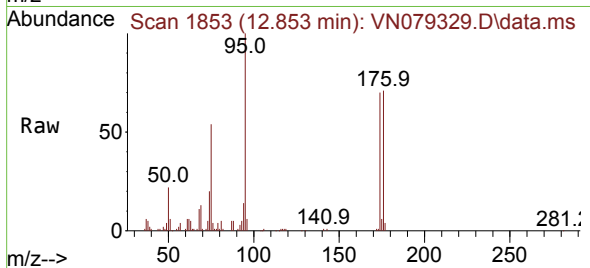




#60  
4-Bromofluorobenzene  
Concen: 32.511 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

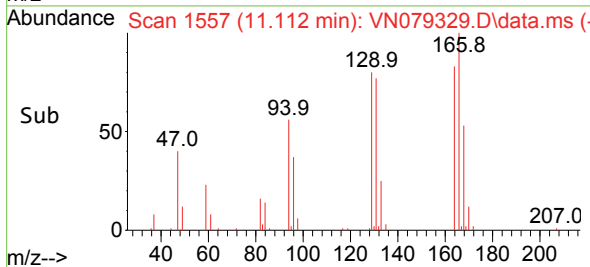
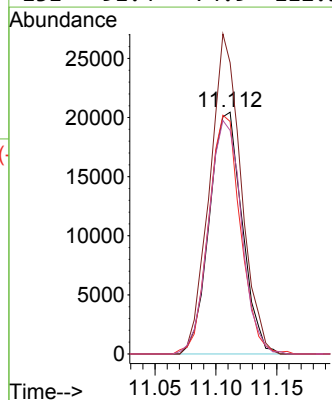
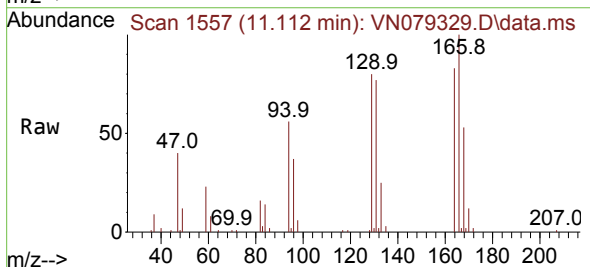
Instrument :  
MSVOA\_N  
ClientSampleId :

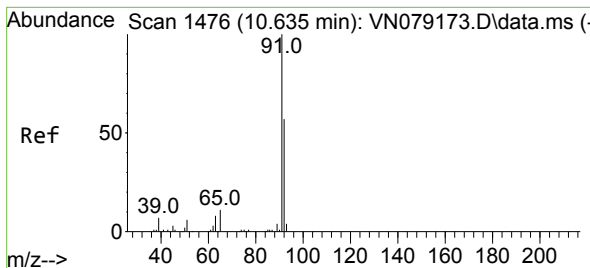
Tgt Ion: 95 Resp: 89888  
Ion Ratio Lower Upper  
95 100  
174 73.8 59.5 89.3  
176 71.8 59.1 88.7



#61  
Tetrachloroethene  
Concen: 18.657 ug/l  
RT: 11.112 min Scan# 1557  
Delta R.T. 0.006 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion:164 Resp: 38093  
Ion Ratio Lower Upper  
164 100  
166 120.4 101.9 152.9  
129 95.3 83.4 125.0  
131 91.4 74.9 112.3





#62

Toluene

Concen: 20.208 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

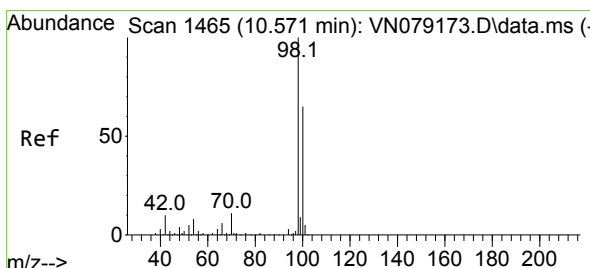
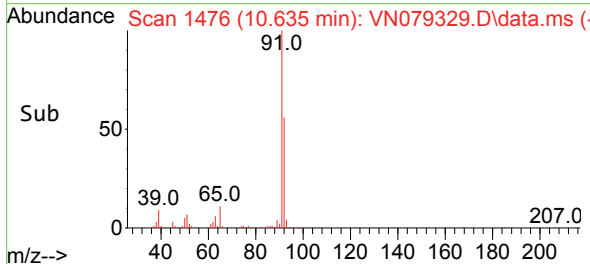
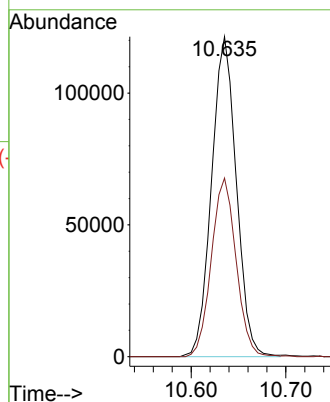
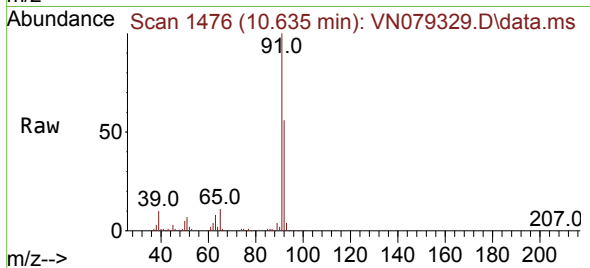
ClientSampleId :

Tgt Ion: 91 Resp: 220784

Ion Ratio Lower Upper

91 100

92 55.7 45.7 68.5



#63

Toluene-d8

Concen: 29.533 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.001 min

Lab File: VN079329.D

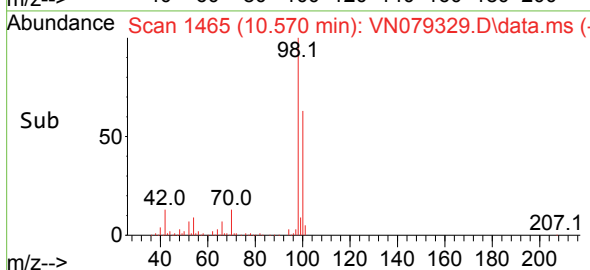
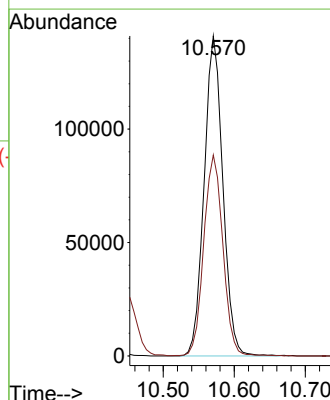
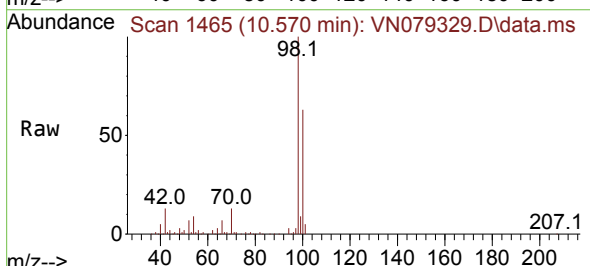
Acq: 22 Sep 2023 10:14

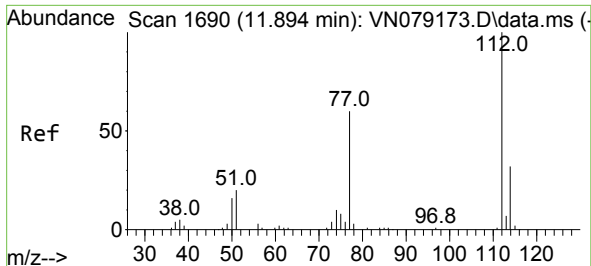
Tgt Ion: 98 Resp: 258984

Ion Ratio Lower Upper

98 100

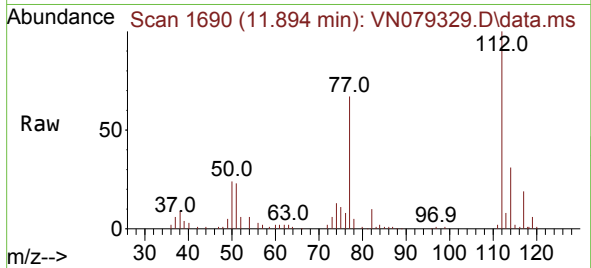
100 63.6 52.5 78.7



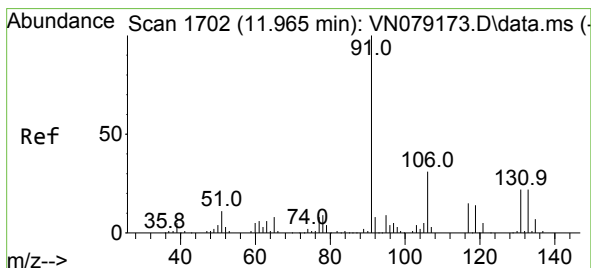
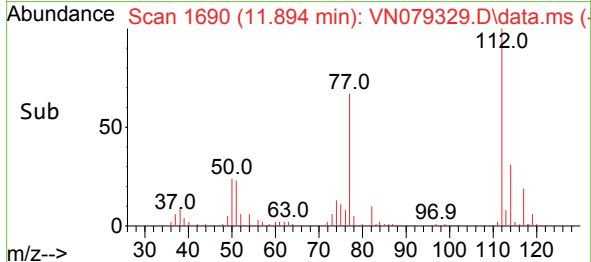
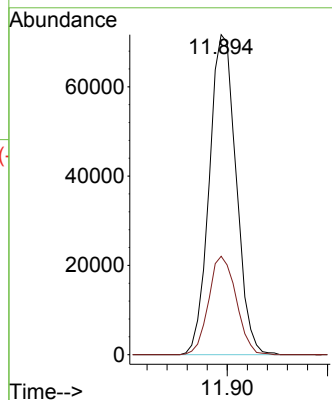


#64  
Chlorobenzene  
Concen: 20.907 ug/l  
RT: 11.894 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :

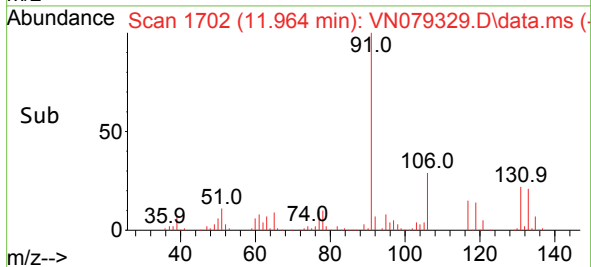
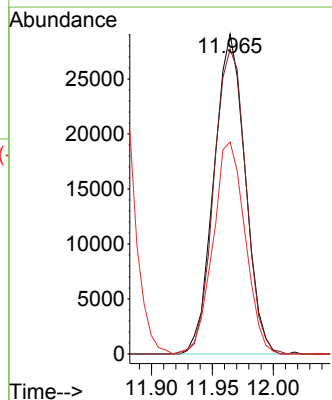
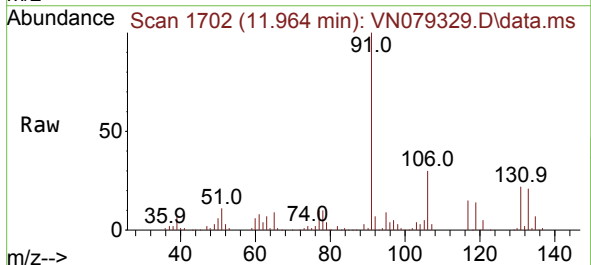


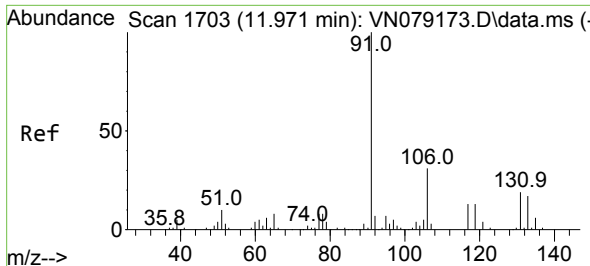
Tgt Ion:112 Resp: 133258  
Ion Ratio Lower Upper  
112 100  
114 30.8 25.6 38.4



#65  
1,1,1,2-Tetrachloroethane  
Concen: 21.249 ug/l  
RT: 11.964 min Scan# 1702  
Delta R.T. -0.001 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion:131 Resp: 51852  
Ion Ratio Lower Upper  
131 100  
133 97.7 0.0 193.0  
119 68.0 0.0 131.2

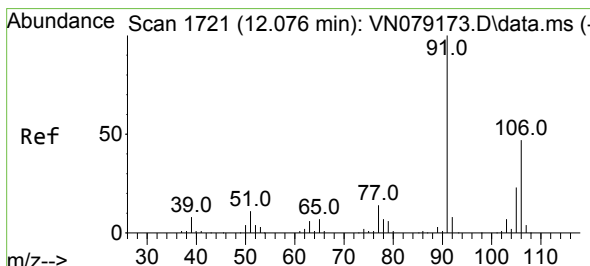
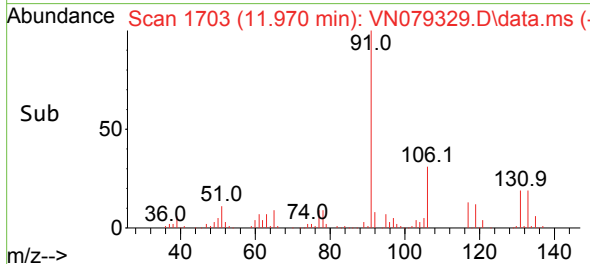
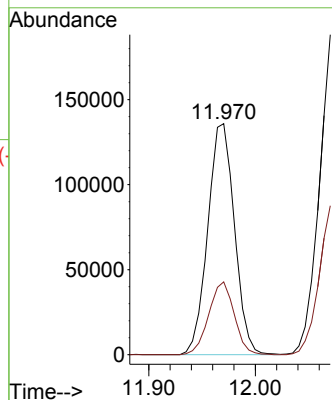
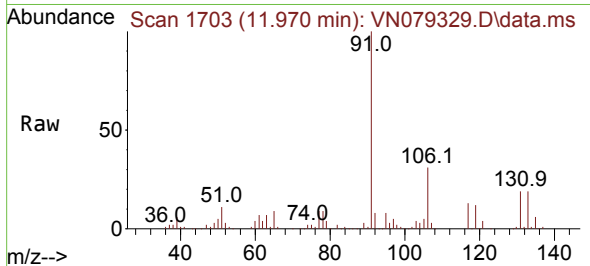




#66  
Ethyl Benzene  
Concen: 21.498 ug/l  
RT: 11.970 min Scan# 1703  
Delta R.T. -0.001 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

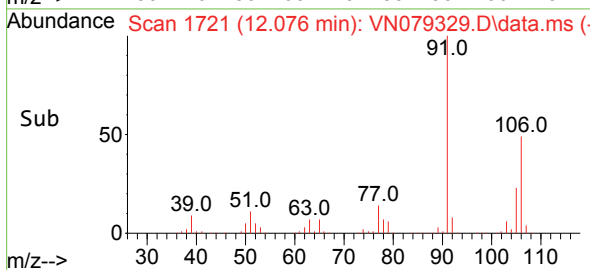
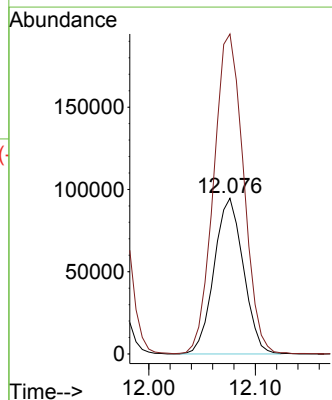
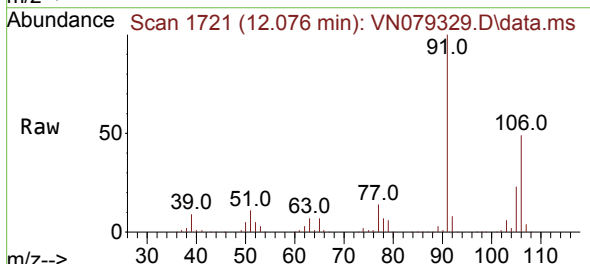
Instrument :  
MSVOA\_N  
ClientSampleId :

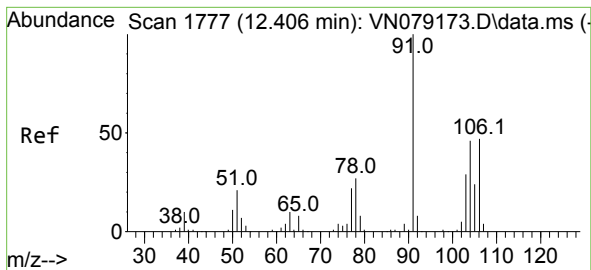
Tgt Ion: 91 Resp: 236488  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.0 37.6



#67  
m/p-Xylenes  
Concen: 43.681 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion:106 Resp: 180804  
Ion Ratio Lower Upper  
106 100  
91 209.9 165.2 247.8





#68

o-Xylene

Concen: 22.105 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

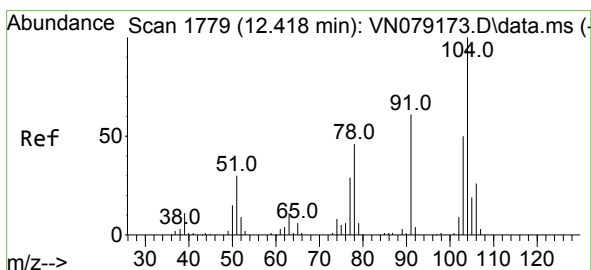
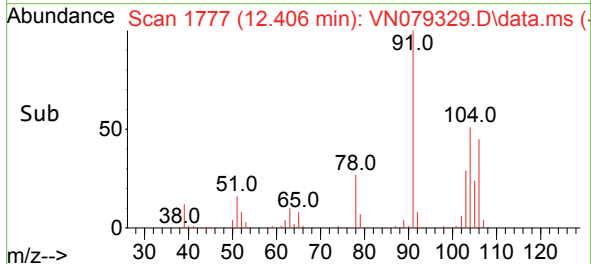
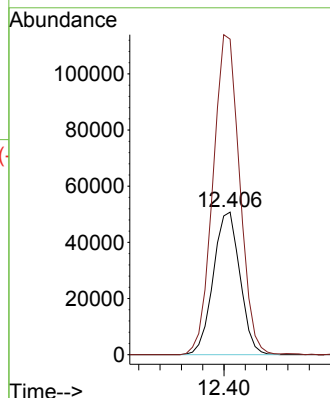
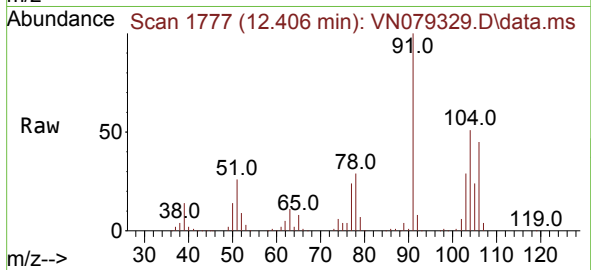
ClientSampleId :

Tgt Ion:106 Resp: 88240

Ion Ratio Lower Upper

106 100

91 224.0 109.7 329.1



#69

Styrene

Concen: 22.646 ug/l

RT: 12.417 min Scan# 1779

Delta R.T. -0.001 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

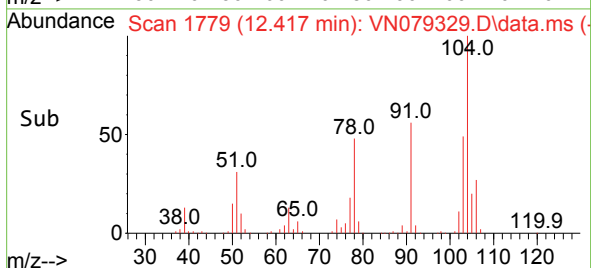
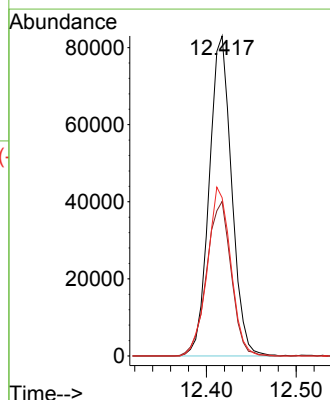
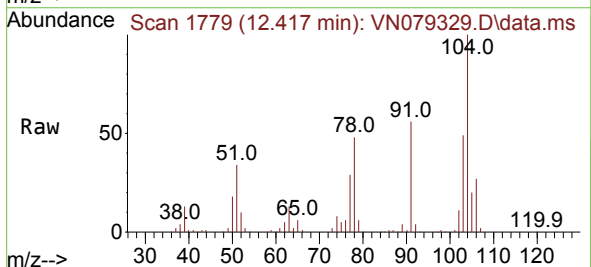
Tgt Ion:104 Resp: 144185

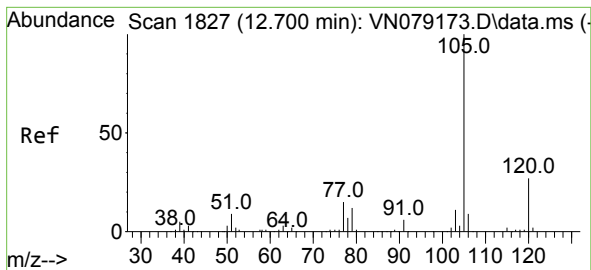
Ion Ratio Lower Upper

104 100

78 52.7 40.5 60.7

103 55.2 43.3 64.9





#70

Isopropylbenzene

Concen: 22.732 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

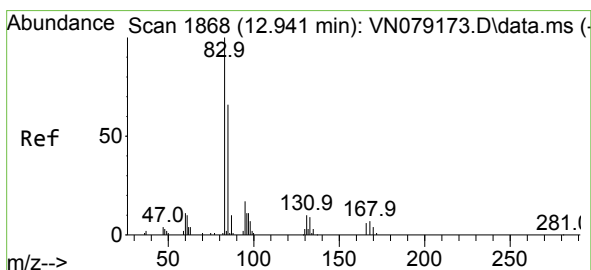
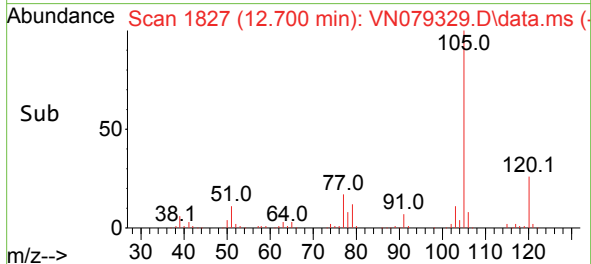
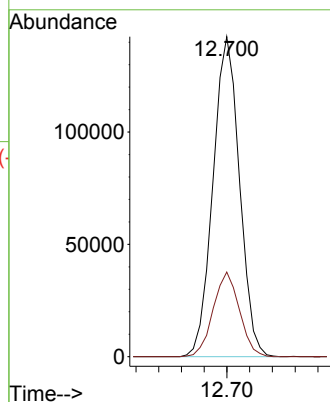
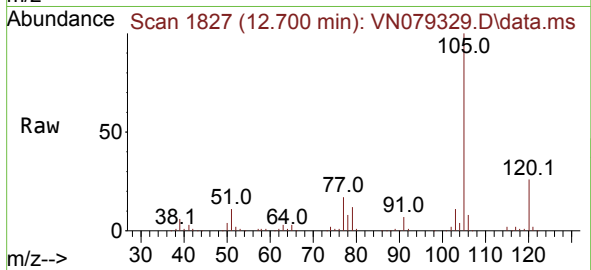
ClientSampleId :

Tgt Ion:105 Resp: 230659

Ion Ratio Lower Upper

105 100

120 26.2 18.5 34.3



#71

1,1,2,2-Tetrachloroethane

Concen: 21.047 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

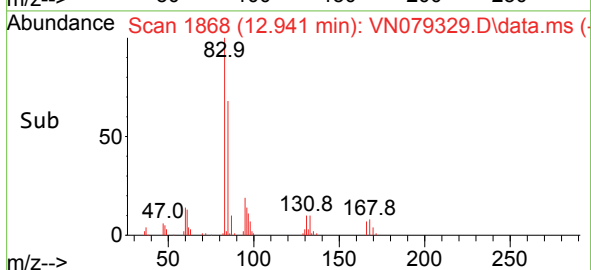
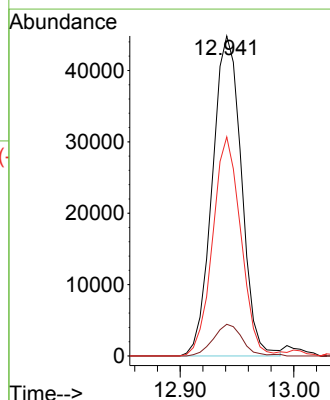
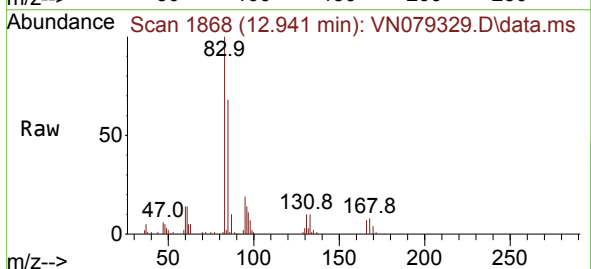
Tgt Ion: 83 Resp: 79890

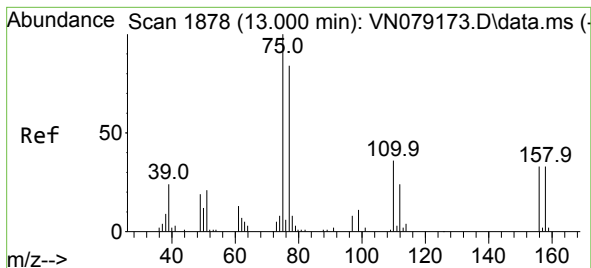
Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

85 65.9 33.1 99.3

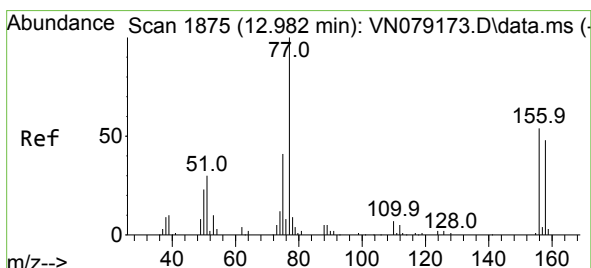
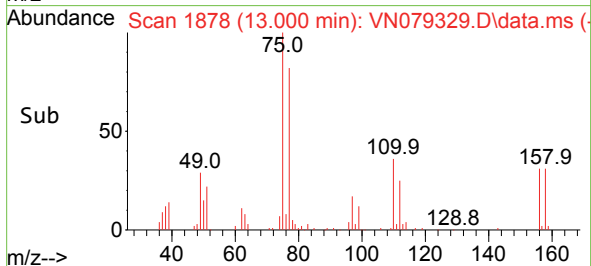
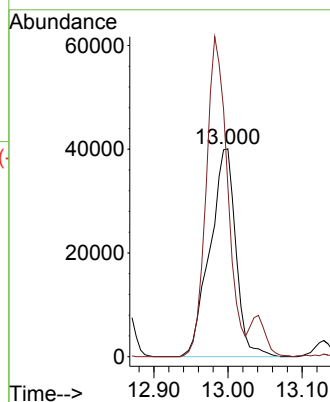
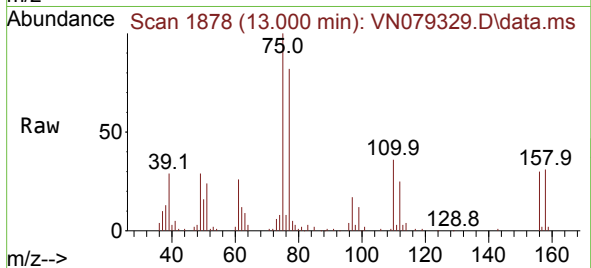




#72  
1,2,3-Trichloropropane  
Concen: 30.492 ug/l  
RT: 13.000 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

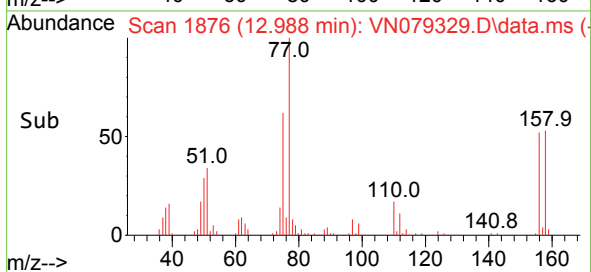
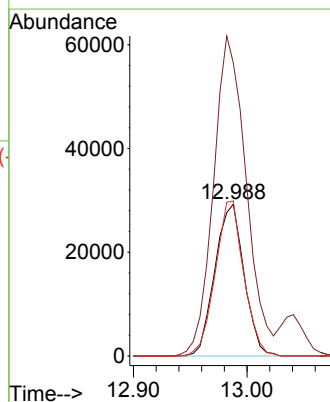
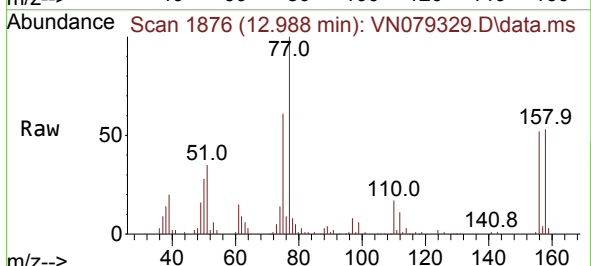
Instrument :  
MSVOA\_N  
ClientSampleId :

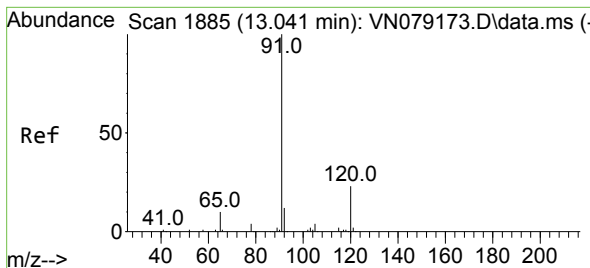
Tgt Ion: 75 Resp: 97385  
Ion Ratio Lower Upper  
75 100  
77 126.6 0.0 252.2



#73  
Bromobenzene  
Concen: 20.576 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. 0.006 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 156 Resp: 52152  
Ion Ratio Lower Upper  
156 100  
77 236.5 0.0 446.6  
158 100.0 0.0 188.6





#74

n-propylbenzene

Concen: 23.626 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

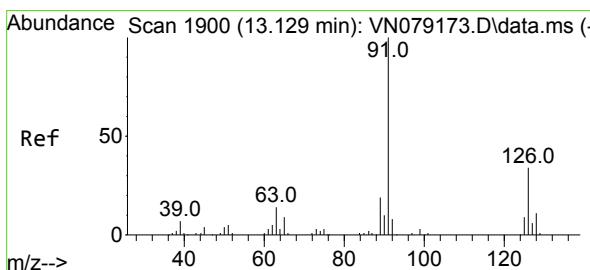
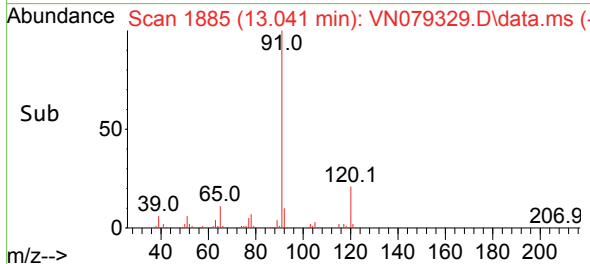
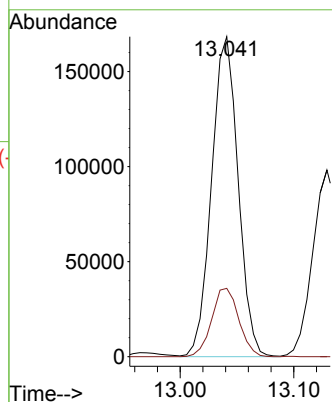
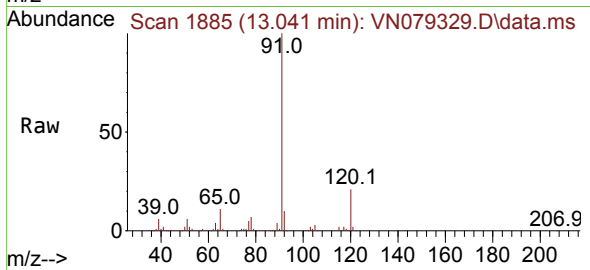
ClientSampleId :

Tgt Ion: 91 Resp: 273140

Ion Ratio Lower Upper

91 100

120 21.8 0.0 44.0



#75

2-Chlorotoluene

Concen: 22.450 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN079329.D

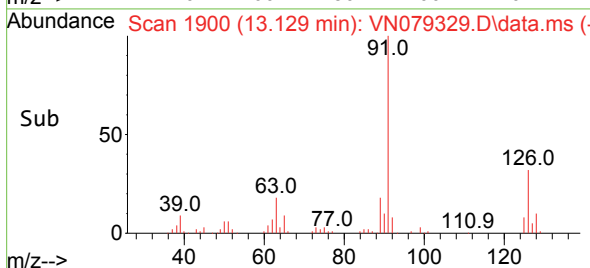
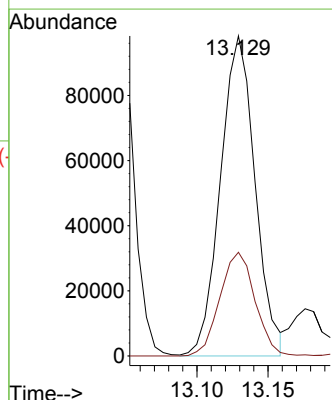
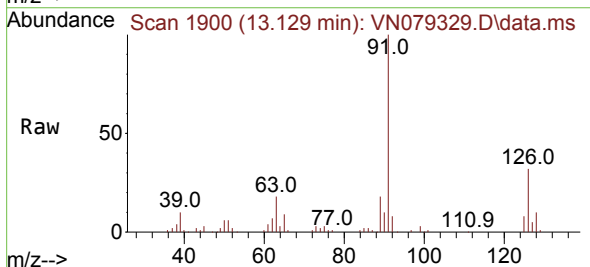
Acq: 22 Sep 2023 10:14

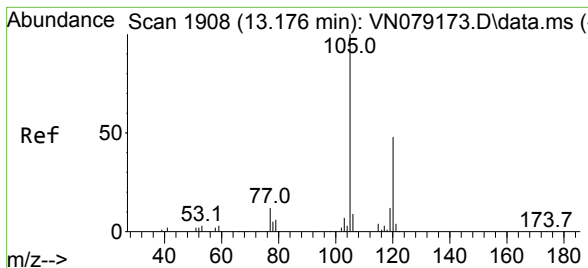
Tgt Ion: 91 Resp: 166427

Ion Ratio Lower Upper

91 100

126 33.0 0.0 65.4

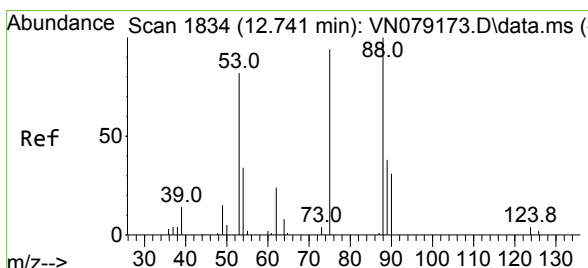
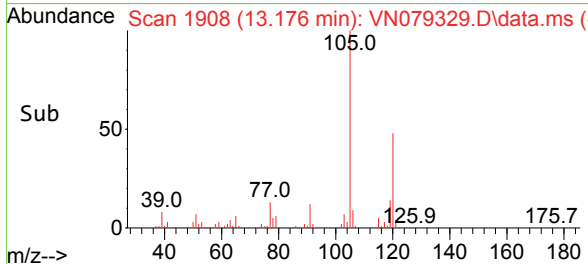
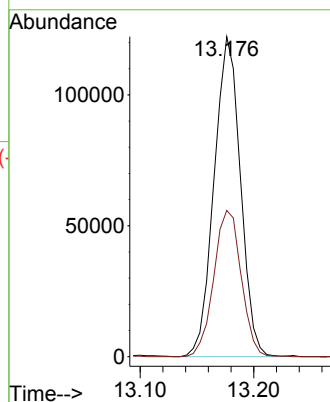
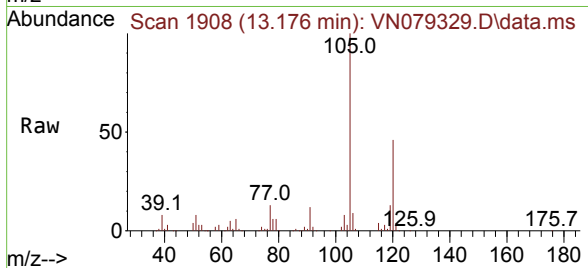




#76  
 1,3,5-Trimethylbenzene  
 Concen: 23.457 ug/l  
 RT: 13.176 min Scan# 1908  
 Delta R.T. 0.000 min  
 Lab File: VN079329.D  
 Acq: 22 Sep 2023 10:14

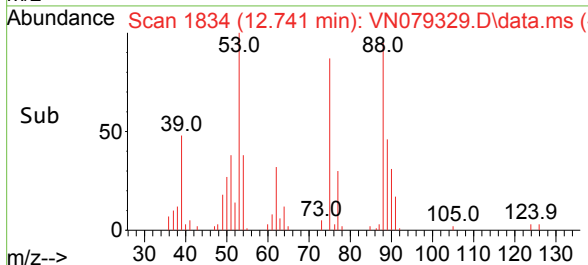
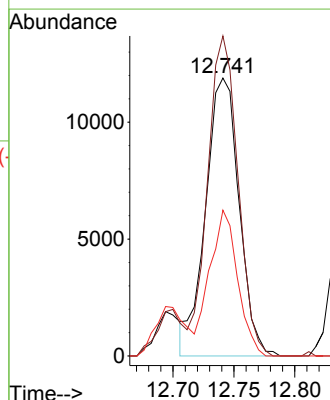
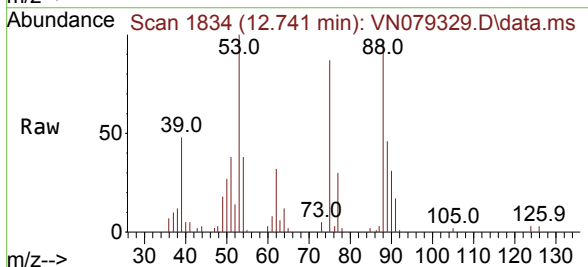
Instrument :  
 MSVOA\_N  
 ClientSampleId :

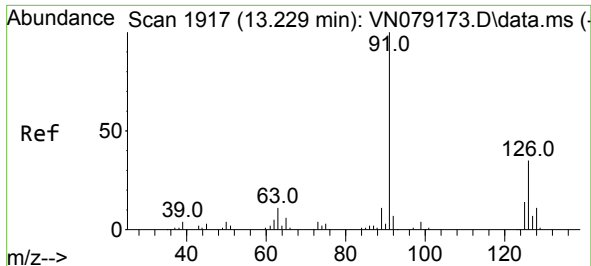
Tgt Ion:105 Resp: 196797  
 Ion Ratio Lower Upper  
 105 100  
 120 47.6 0.0 95.6



#77  
 t-1,4-Dichloro-2-butene  
 Concen: 20.254 ug/l  
 RT: 12.741 min Scan# 1834  
 Delta R.T. -0.000 min  
 Lab File: VN079329.D  
 Acq: 22 Sep 2023 10:14

Tgt Ion: 75 Resp: 22774  
 Ion Ratio Lower Upper  
 75 100  
 53 115.1 44.1 132.4  
 89 52.4 22.4 67.3

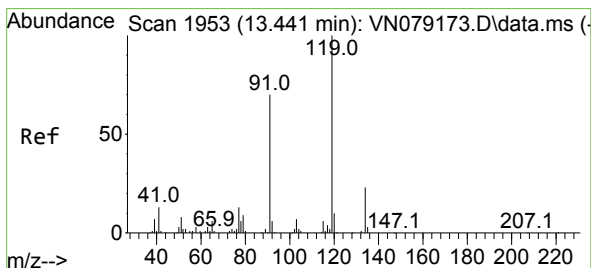
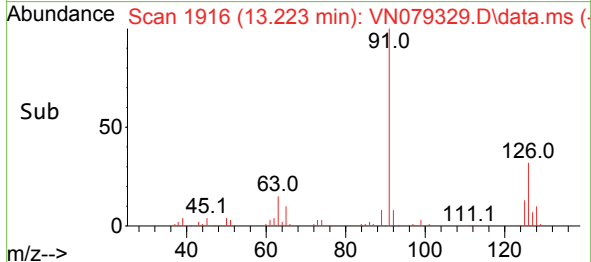
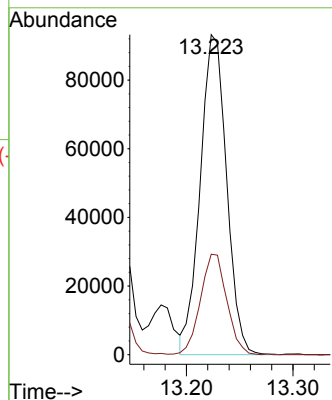
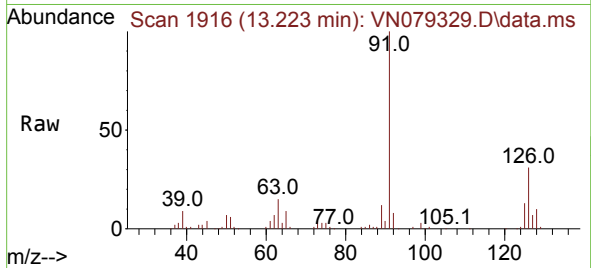




#78  
4-Chlorotoluene  
Concen: 22.941 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.006 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

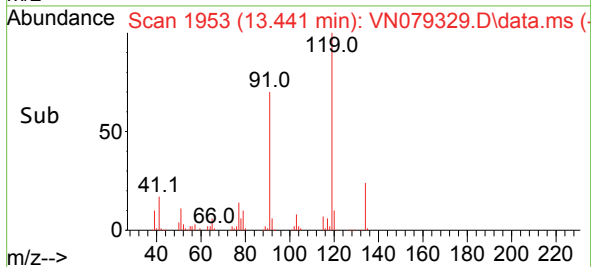
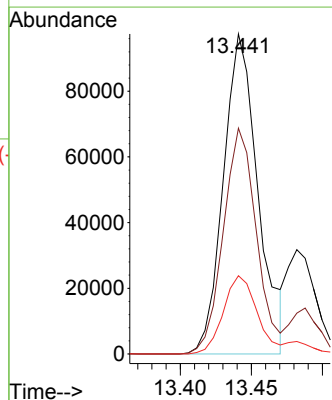
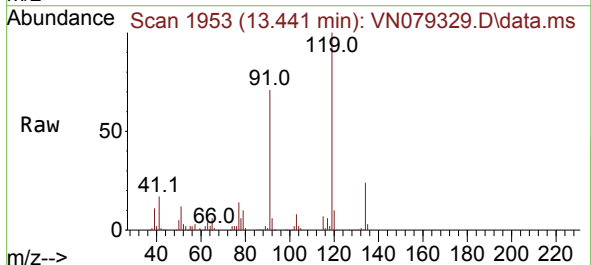
Instrument :  
MSVOA\_N  
ClientSampleId :

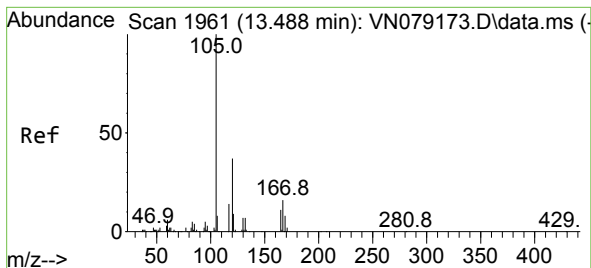
Tgt Ion: 91 Resp: 160585  
Ion Ratio Lower Upper  
91 100  
126 31.4 0.0 66.6



#79  
tert-butylbenzene  
Concen: 24.006 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion: 119 Resp: 165319  
Ion Ratio Lower Upper  
119 100  
91 67.6 0.0 130.8  
134 23.8 0.0 48.8

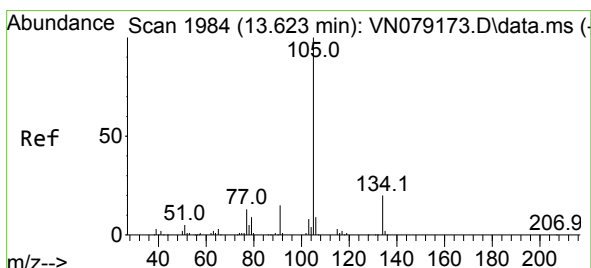
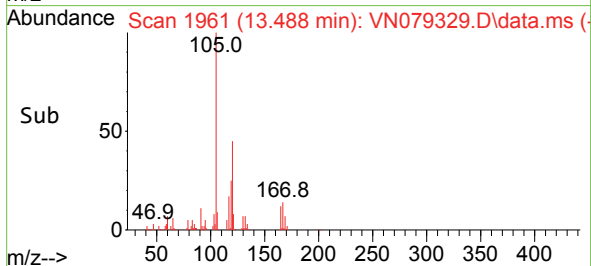
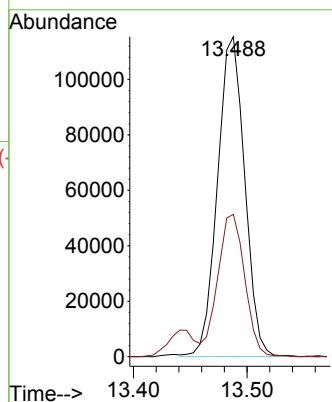
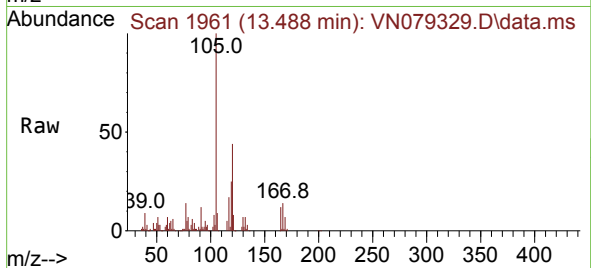




#80  
1,2,4-Trimethylbenzene  
Concen: 23.908 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

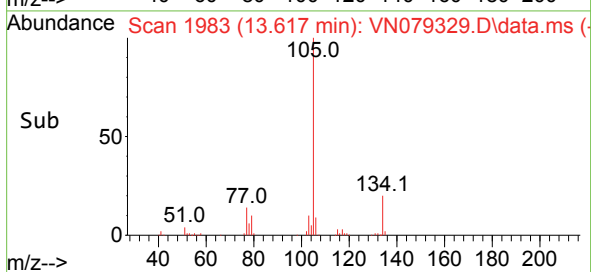
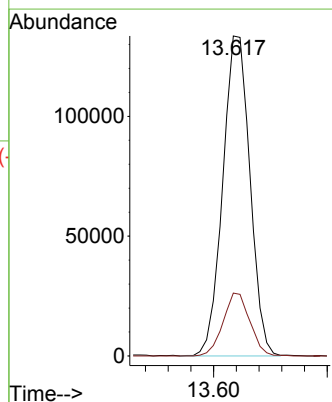
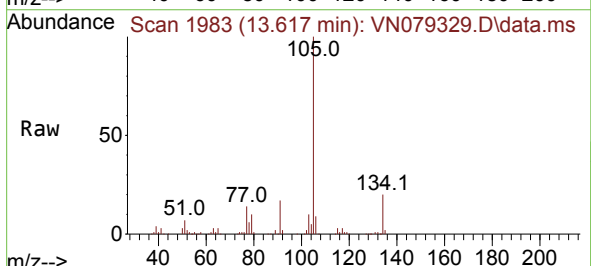
Instrument :  
MSVOA\_N  
ClientSampleId :

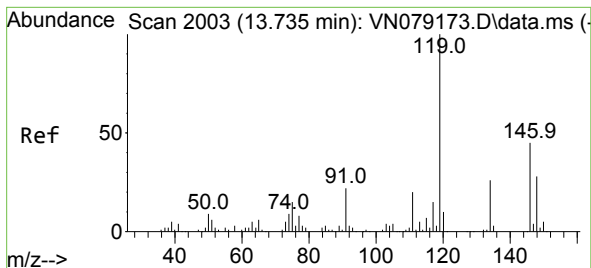
Tgt Ion:105 Resp: 191557  
Ion Ratio Lower Upper  
105 100  
120 44.3 0.0 90.0



#81  
sec-Butylbenzene  
Concen: 23.594 ug/l  
RT: 13.617 min Scan# 1983  
Delta R.T. -0.006 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

Tgt Ion:105 Resp: 222306  
Ion Ratio Lower Upper  
105 100  
134 19.3 0.0 38.6





#82

p-Isopropyltoluene

Concen: 24.210 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

ClientSampleId :

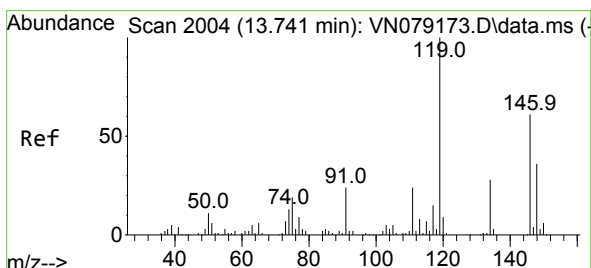
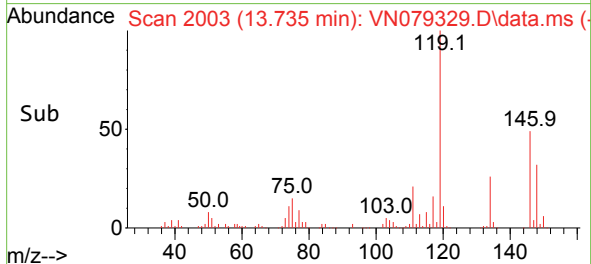
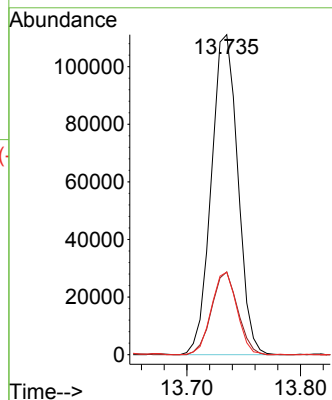
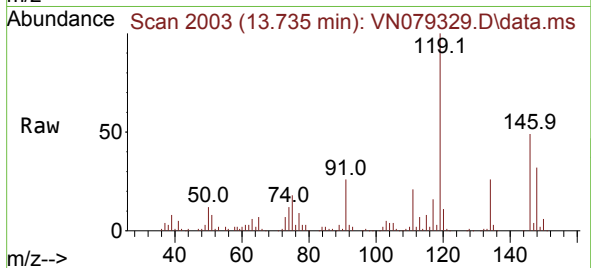
Tgt Ion:119 Resp: 180186

Ion Ratio Lower Upper

119 100

134 25.4 0.0 53.8

91 24.8 0.0 48.0



#83

1,3-Dichlorobenzene

Concen: 22.799 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.006 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

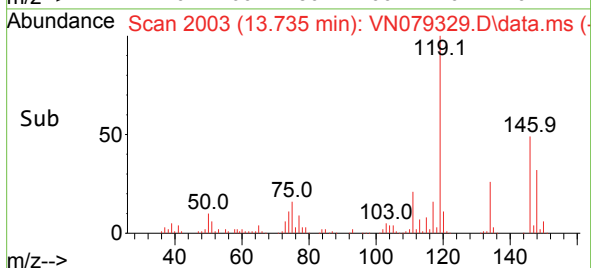
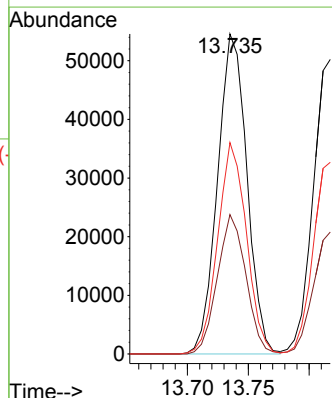
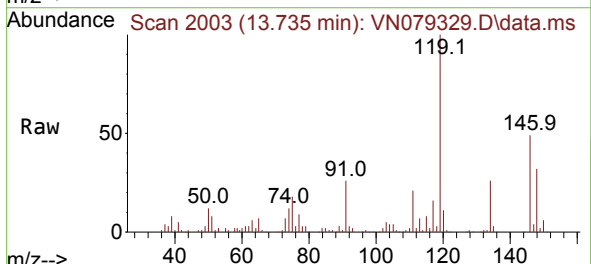
Tgt Ion:146 Resp: 91772

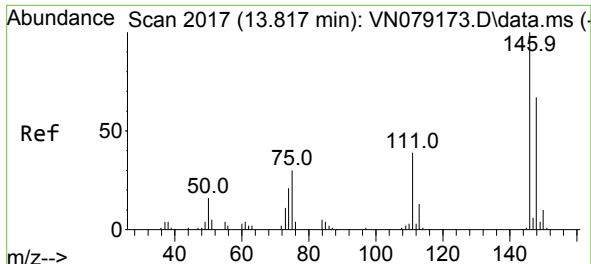
Ion Ratio Lower Upper

146 100

111 42.2 20.5 61.5

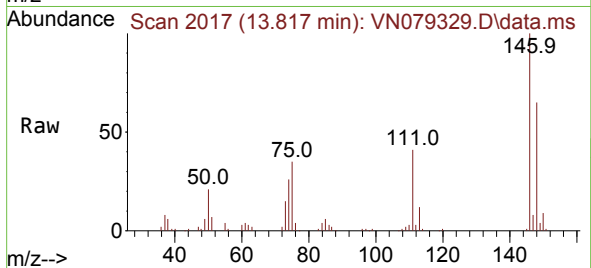
148 64.7 31.8 95.3



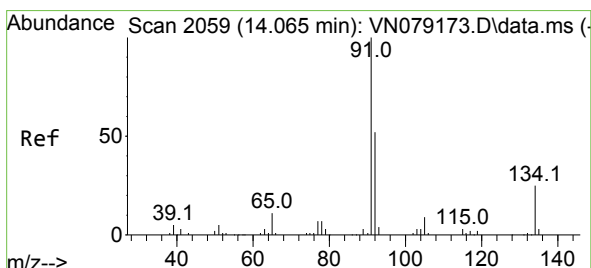
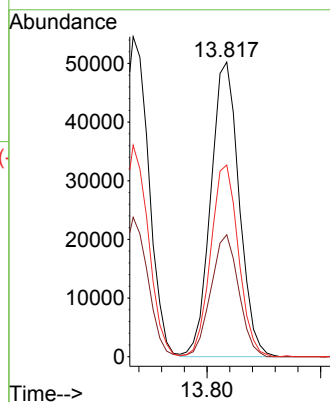
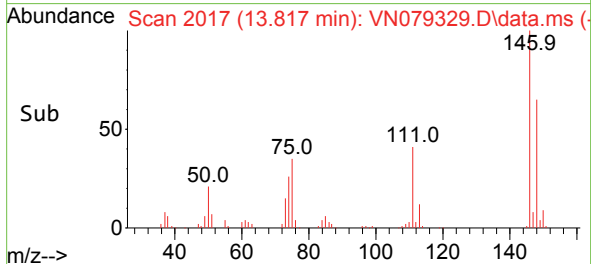


#84  
1,4-Dichlorobenzene  
Concen: 23.096 ug/l  
RT: 13.817 min Scan# 2017  
Delta R.T. 0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

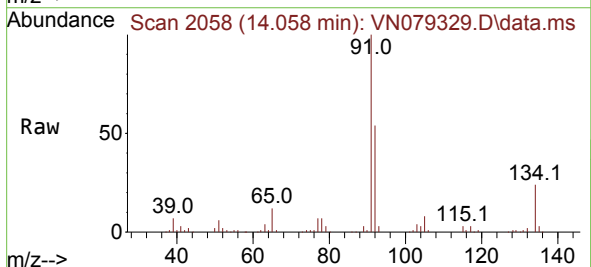
Instrument :  
MSVOA\_N  
ClientSampleId :



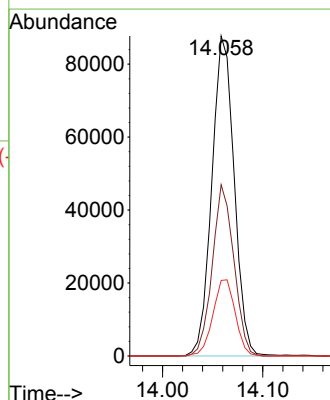
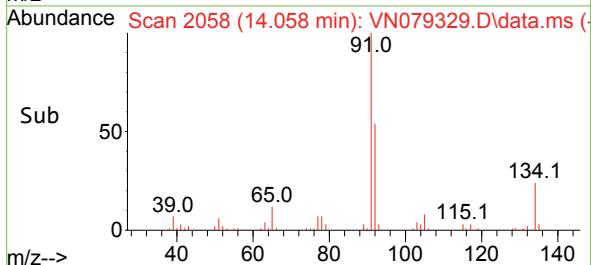
Tgt Ion:146 Resp: 87191  
Ion Ratio Lower Upper  
146 100  
111 40.6 19.5 58.5  
148 63.6 32.1 96.5

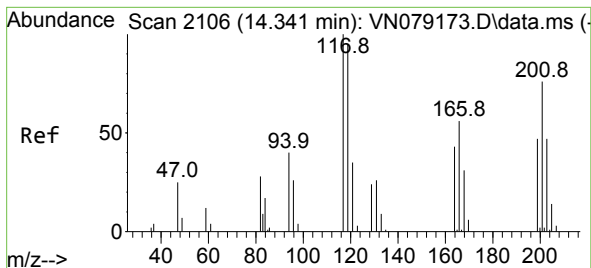


#85  
n-Butylbenzene  
Concen: 23.958 ug/l  
RT: 14.058 min Scan# 2058  
Delta R.T. -0.007 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14



Tgt Ion: 91 Resp: 135810  
Ion Ratio Lower Upper  
91 100  
92 51.6 0.0 105.0  
134 23.8 0.0 49.6





#86

Hexachloroethane

Concen: 25.034 ug/l

RT: 14.335 min Scan# 2106

Delta R.T. -0.006 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

Instrument :

MSVOA\_N

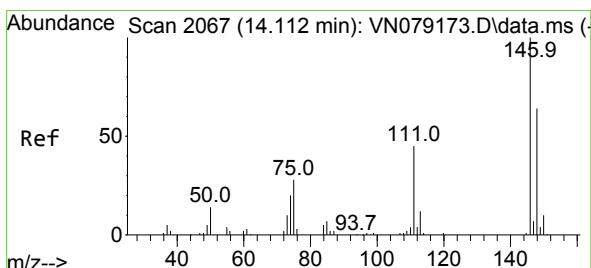
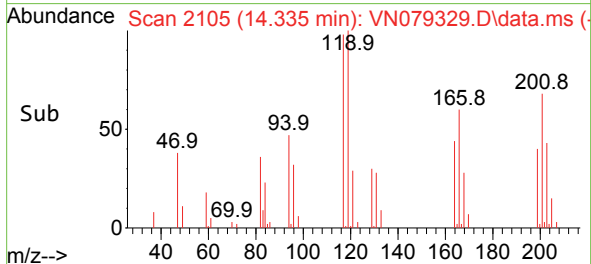
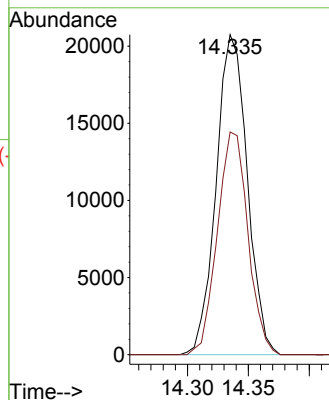
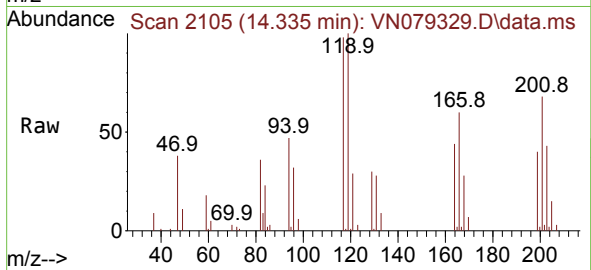
ClientSampleId :

Tgt Ion:117 Resp: 36890

Ion Ratio Lower Upper

117 100

201 68.3 37.2 111.6



#87

1,2-Dichlorobenzene

Concen: 23.309 ug/l

RT: 14.111 min Scan# 2067

Delta R.T. -0.001 min

Lab File: VN079329.D

Acq: 22 Sep 2023 10:14

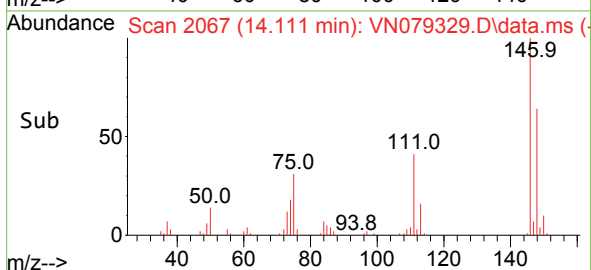
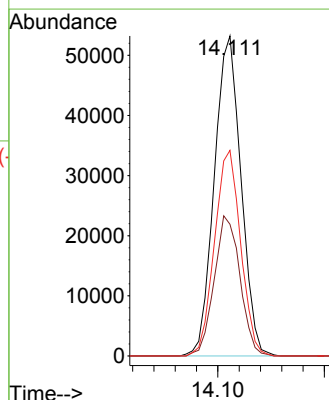
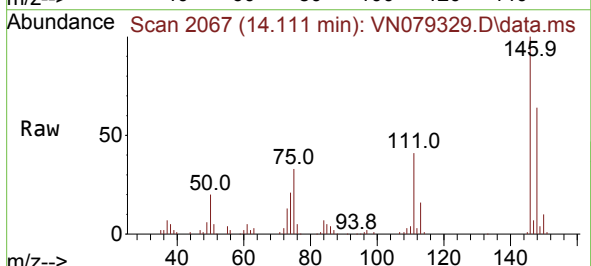
Tgt Ion:146 Resp: 92592

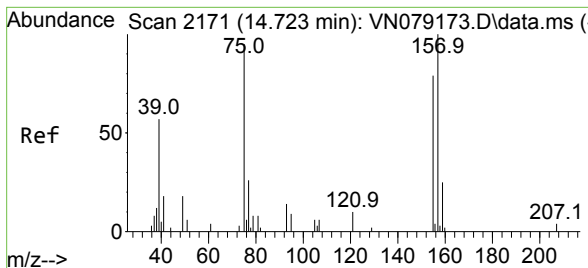
Ion Ratio Lower Upper

146 100

111 42.4 21.5 64.5

148 62.8 31.8 95.3

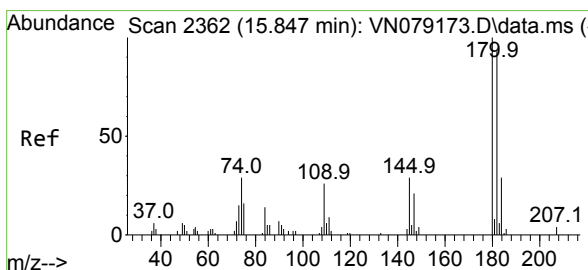
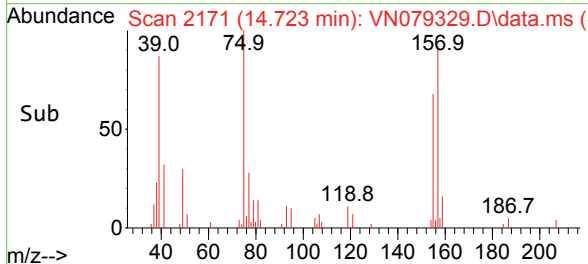
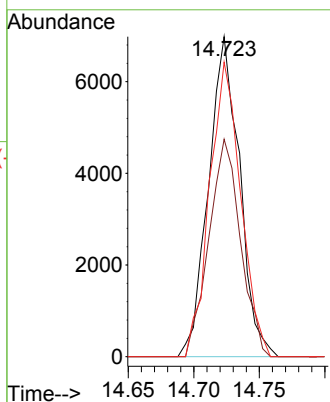
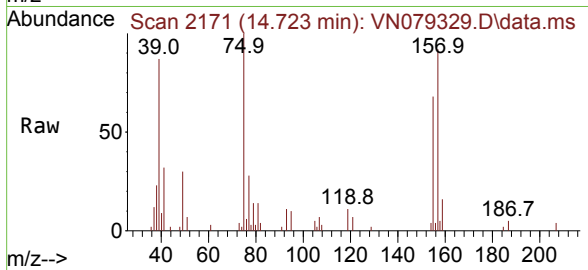




#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.926 ug/l  
 RT: 14.723 min Scan# 2171  
 Delta R.T. 0.000 min  
 Lab File: VN079329.D  
 Acq: 22 Sep 2023 10:14

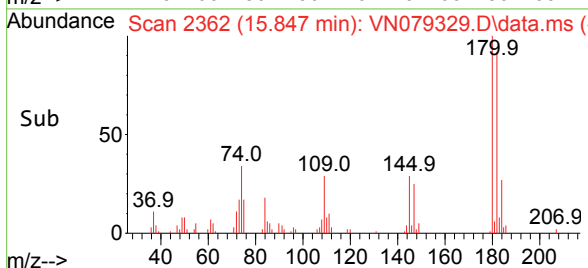
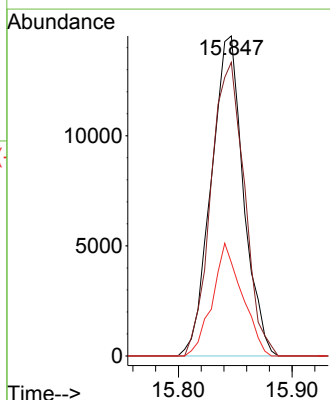
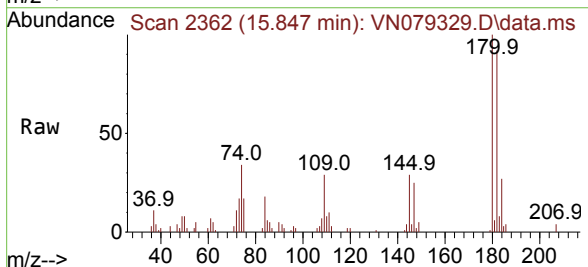
Instrument :  
 MSVOA\_N  
 ClientSampleId :

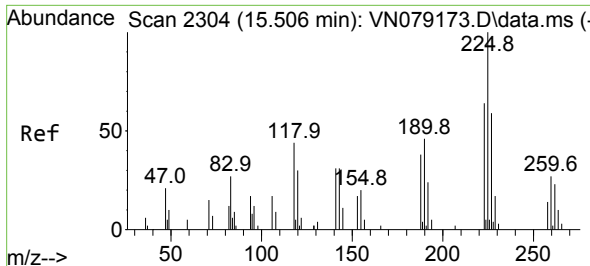
Tgt Ion: 75 Resp: 11501  
 Ion Ratio Lower Upper  
 75 100  
 155 69.1 68.1 102.1  
 157 92.2 83.9 125.9



#89  
 1,2,4-Trichlorobenzene  
 Concen: 16.872 ug/l  
 RT: 15.847 min Scan# 2362  
 Delta R.T. -0.000 min  
 Lab File: VN079329.D  
 Acq: 22 Sep 2023 10:14

Tgt Ion:180 Resp: 28680  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 74.5 111.7  
 145 32.5 26.2 39.2

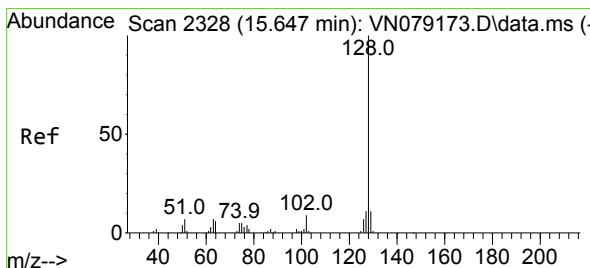
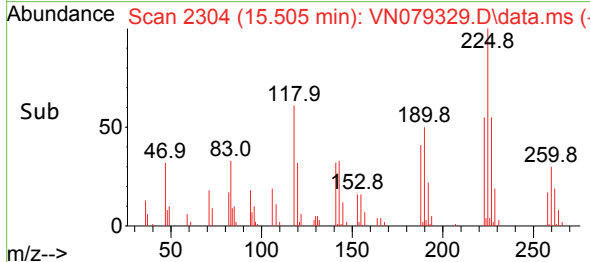
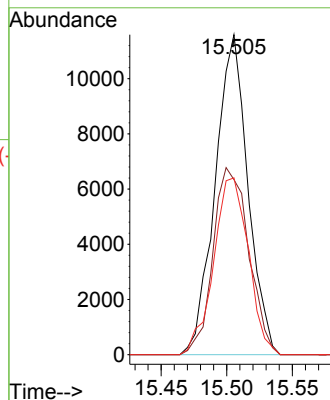
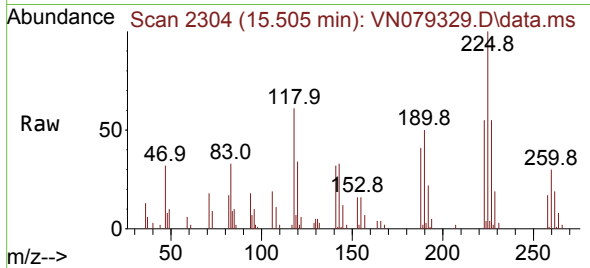




#90  
Hexachlorobutadiene  
Concen: 19.486 ug/l  
RT: 15.505 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

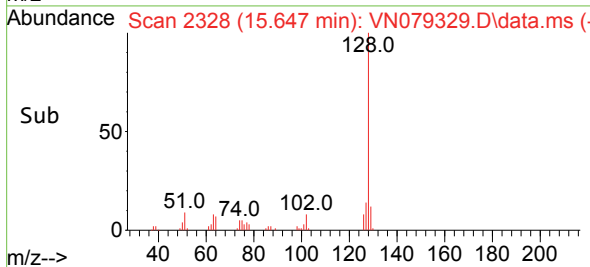
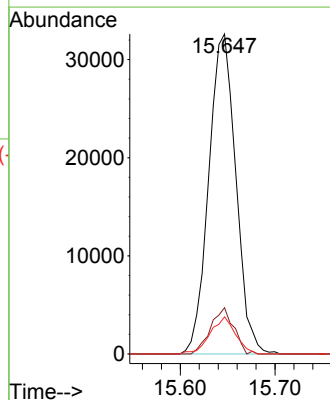
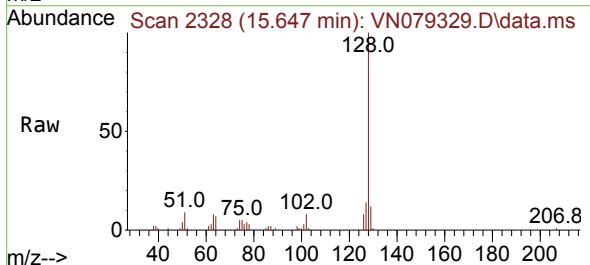
Instrument :  
MSVOA\_N  
ClientSampleId :

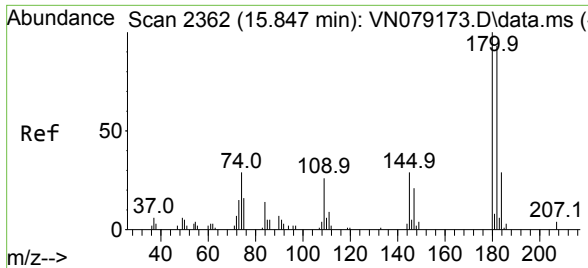
Tgt Ion:225 Resp: 20120  
Ion Ratio Lower Upper  
225 100  
223 63.7 0.0 125.6  
227 58.9 0.0 124.0



#91  
Naphthalene  
Concen: 14.609 ug/l  
RT: 15.647 min Scan# 2328  
Delta R.T. -0.000 min  
Lab File: VN079329.D  
Acq: 22 Sep 2023 10:14

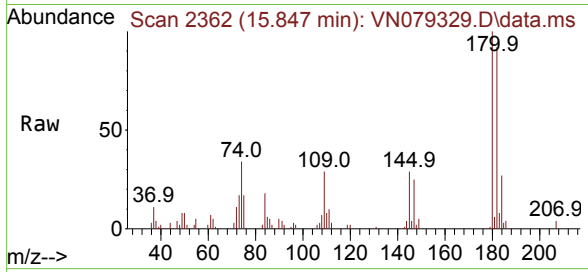
Tgt Ion:128 Resp: 64894  
Ion Ratio Lower Upper  
128 100  
127 12.2 10.1 15.1  
129 10.8 8.5 12.7





#92  
 1,2,3-Trichlorobenzene  
 Concen: 16.872 ug/l  
 RT: 15.847 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN079329.D  
 Acq: 22 Sep 2023 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 28680 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.1  | 0.0   | 186.2 |
| 145       | 32.5  | 0.0   | 65.4  |

