

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101823\  
 Data File : VN079605.D  
 Acq On : 18 Oct 2023 17:13  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 19 06:17:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N101723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Oct 18 02:19:15 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Bromochloromethane        | 7.812  | 128   | 19847    | 30.000   | ug/l   | -0.01    |
| 28) 1,4-Difluorobenzene      | 9.106  | 114   | 142667   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.871 | 117   | 176595   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.583  | 65    | 83040    | 29.428   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =      | 98.100%  |
| 60) 4-Bromofluorobenzene     | 12.853 | 95    | 98252    | 30.424   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =      | 101.400% |
| 63) Toluene-d8               | 10.571 | 98    | 232637   | 30.743   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =      | 102.467% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.130  | 85    | 55928    | 19.432   | ug/l   | 97       |
| 3) Chloromethane             | 2.365  | 50    | 68833    | 18.452   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.518  | 62    | 77385    | 19.221   | ug/l   | 97       |
| 5) Bromomethane              | 2.971  | 94    | 42152    | 16.886   | ug/l   | 95       |
| 6) Chloroethane              | 3.124  | 64    | 53880    | 19.014   | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.501  | 101   | 97925    | 19.933   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.965  | 74    | 32644    | 18.334   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377  | 101   | 55772    | 19.843   | ug/l   | 97       |
| 10) 1,1-Dichloroethene       | 4.348  | 96    | 49800    | 18.622   | ug/l   | 98       |
| 11) Methyl Iodide            | 4.595  | 142   | 57040    | 19.265   | ug/l   | 98       |
| 12) Methyl Acetate           | 5.030  | 43    | 116146   | 18.016   | ug/l   | 94       |
| 13) Acrolein                 | 4.183  | 56    | 52625    | 98.750   | ug/l   | 98       |
| 14) Acrylonitrile            | 5.724  | 53    | 146223   | 94.714   | ug/l   | 99       |
| 15) Acetone                  | 4.430  | 58    | 42508    | 86.918   | ug/l   | 88       |
| 16) Carbon Disulfide         | 4.718  | 76    | 151209   | 18.543   | ug/l   | 99       |
| 17) Allyl chloride           | 5.024  | 41    | 72739    | 17.642   | ug/l   | 96       |
| 18) Methylene Chloride       | 5.289  | 84    | 65996    | 20.050   | ug/l   | 97       |
| 19) trans-1,2-Dichloroethene | 5.795  | 96    | 59230    | 19.798   | ug/l   | 95       |
| 20) Diisopropyl ether        | 6.677  | 45    | 190695   | 19.506   | ug/l   | 97       |
| 21) 1,1-Dichloroethane       | 6.577  | 63    | 116848   | 19.669   | ug/l   | 99       |
| 22) cis-1,2-Dichloroethene   | 7.494  | 96    | 65549    | 19.022   | ug/l   | 95       |
| 23) tert-Butyl Alcohol       | 5.524  | 59    | 36362    | 70.435   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.800  | 73    | 167048   | 18.617   | ug/l   | 100      |
| 25) Chloroform               | 7.971  | 83    | 119326   | 19.878   | ug/l   | 92       |
| 26) Cyclohexane              | 8.265  | 56    | 81625    | 18.176   | ug/l # | 96       |
| 29) 1,1-Dichloropropene      | 8.377  | 75    | 84379    | 20.239   | ug/l   | 99       |
| 30) 2-Butanone               | 7.489  | 43    | 186041   | 89.020   | ug/l   | 100      |
| 31) 2,2-Dichloropropane      | 7.494  | 77    | 92398    | 19.656   | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 8.177  | 97    | 99159    | 20.010   | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 8.365  | 117   | 84681    | 20.093   | ug/l   | 99       |
| 34) Benzene                  | 8.612  | 78    | 260332   | 20.552   | ug/l   | 99       |
| 35) Methacrylonitrile        | 7.788  | 41    | 42231    | 19.210   | ug/l   | 94       |
| 36) 1,2-Dichloroethane       | 8.677  | 62    | 94144    | 20.815   | ug/l   | 100      |
| 37) Trichloroethene          | 9.359  | 130   | 59706    | 20.164   | ug/l   | 100      |
| 38) Methylcyclohexane        | 9.606  | 83    | 76976    | 19.176   | ug/l   | 98       |
| 39) 1,2-Dichloropropane      | 9.630  | 63    | 67525    | 20.200   | ug/l   | 99       |
| 40) Dibromomethane           | 9.712  | 93    | 45036    | 20.529   | ug/l   | 100      |
| 41) Bromodichloromethane     | 9.894  | 83    | 94255    | 20.732   | ug/l   | 98       |
| 42) Vinyl Acetate            | 6.612  | 43    | 509367   | 96.081   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101823\  
 Data File : VN079605.D  
 Acq On : 18 Oct 2023 17:13  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

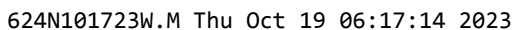
Instrument :  
 MSVOA\_N  
 ClientSampleId :

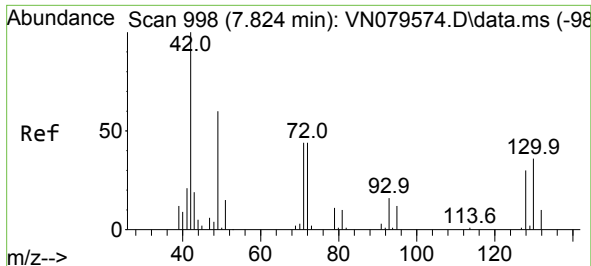
Quant Time: Oct 19 06:17:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N101723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Oct 18 02:19:15 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.565  | 43   | 81532    | 20.747  | ug/l   | 97       |
| 44) Isopropyl Acetate         | 8.694  | 43   | 122710   | 17.566  | ug/l   | 96       |
| 45) 1,4-Dioxane               | 9.700  | 88   | 18690    | 341.791 | ug/l   | 97       |
| 46) Methyl methacrylate       | 9.688  | 41   | 59939    | 19.340  | ug/l   | 91       |
| 47) n-amyl Acetate            | 12.500 | 43   | 89276    | 17.707  | ug/l   | 97       |
| 48) t-1,3-Dichloropropene     | 10.841 | 75   | 87198    | 18.972  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene   | 10.318 | 75   | 96762    | 19.253  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 11.018 | 97   | 62832    | 20.645  | ug/l   | 95       |
| 51) Ethyl methacrylate        | 10.877 | 69   | 75787    | 18.049  | ug/l   | 97       |
| 52) 1,3-Dichloropropane       | 11.165 | 76   | 108326   | 20.092  | ug/l   | 100      |
| 53) Dibromochloromethane      | 11.365 | 129  | 62989    | 20.251  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.476 | 107  | 58208    | 19.387  | ug/l   | 94       |
| 55) 2-Chloroethyl vinyl ether | 10.165 | 63   | 135149   | 84.361  | ug/l   | 98       |
| 56) Bromoform                 | 12.576 | 173  | 41482    | 20.159  | ug/l # | 96       |
| 58) 4-Methyl-2-Pentanone      | 10.447 | 43   | 396461   | 96.252  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.200 | 43   | 273456   | 90.493  | ug/l   | 99       |
| 61) Tetrachloroethene         | 11.106 | 164  | 50987    | 21.029  | ug/l   | 97       |
| 62) Toluene                   | 10.635 | 91   | 273171   | 20.240  | ug/l   | 100      |
| 64) Chlorobenzene             | 11.894 | 112  | 153121   | 19.561  | ug/l   | 92       |
| 65) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 59647    | 20.004  | ug/l   | 99       |
| 66) Ethyl Benzene             | 11.971 | 91   | 269780   | 19.400  | ug/l   | 98       |
| 67) m/p-Xylenes               | 12.076 | 106  | 210771   | 40.980  | ug/l   | 98       |
| 68) o-Xylene                  | 12.406 | 106  | 96352    | 19.596  | ug/l   | 97       |
| 69) Styrene                   | 12.412 | 104  | 158343   | 20.286  | ug/l   | 97       |
| 70) Isopropylbenzene          | 12.700 | 105  | 250167   | 19.826  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 89040    | 19.845  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 13.000 | 75   | 100643   | 24.701  | ug/l   | 73       |
| 73) Bromobenzene              | 12.982 | 156  | 59745    | 20.155  | ug/l   | 99       |
| 74) n-propylbenzene           | 13.041 | 91   | 298495   | 20.319  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 13.129 | 91   | 180700   | 19.786  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 210492   | 20.406  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.741 | 75   | 22320    | 17.949  | ug/l   | 95       |
| 78) 4-Chlorotoluene           | 13.223 | 91   | 171240   | 19.845  | ug/l   | 99       |
| 79) tert-butylbenzene         | 13.441 | 119  | 163555   | 19.721  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 204220   | 20.432  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 13.618 | 105  | 240786   | 20.681  | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 13.735 | 119  | 185372   | 20.071  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.735 | 146  | 97865    | 20.078  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.818 | 146  | 89981    | 19.256  | ug/l   | 99       |
| 85) n-Butylbenzene            | 14.059 | 91   | 139614   | 19.348  | ug/l   | 98       |
| 86) Hexachloroethane          | 14.335 | 117  | 41207    | 20.638  | ug/l   | 98       |
| 87) 1,2-Dichlorobenzene       | 14.112 | 146  | 96136    | 19.843  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 13013    | 19.034  | ug/l   | 94       |
| 89) 1,2,4-Trichlorobenzene    | 15.847 | 180  | 28442    | 16.656  | ug/l   | 99       |
| 90) Hexachlorobutadiene       | 15.506 | 225  | 23882    | 19.744  | ug/l   | 93       |
| 91) Naphthalene               | 15.647 | 128  | 55646    | 12.633  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 28442    | 16.656  | ug/l   | 99       |

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

Quant Time: Oct 19 06:17:01 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N101723W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Oct 18 02:19:15 2023  
Response via : Initial Calibration

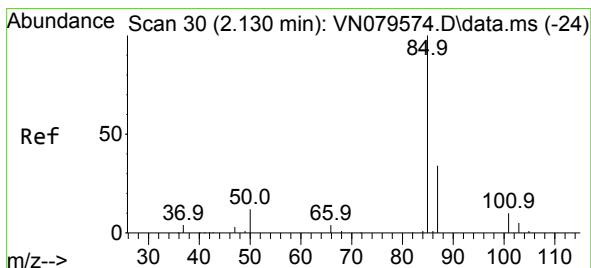
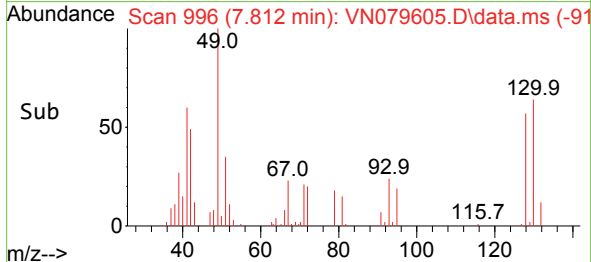
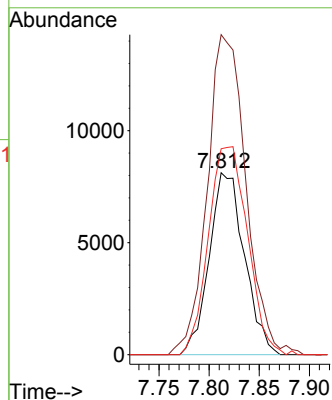
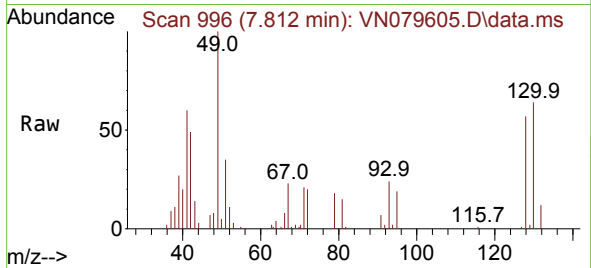




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. -0.012 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

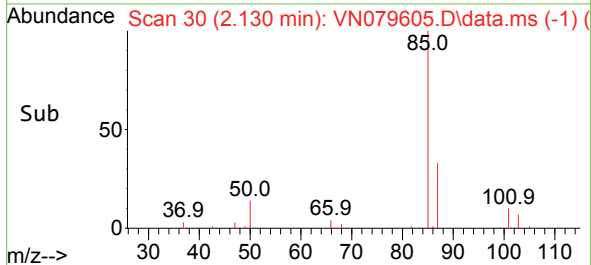
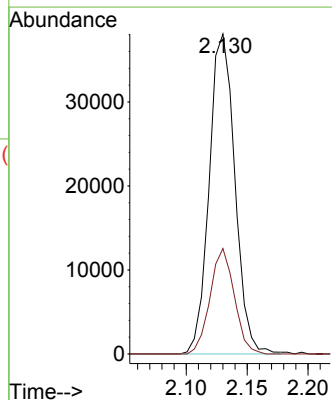
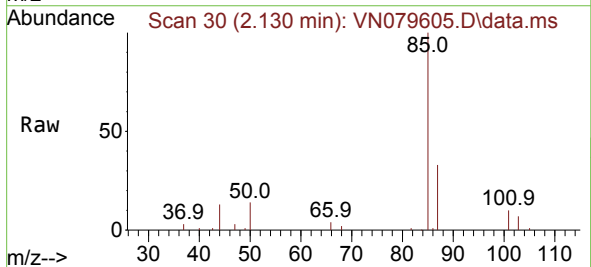
Instrument :  
MSVOA\_N  
ClientSampleId :

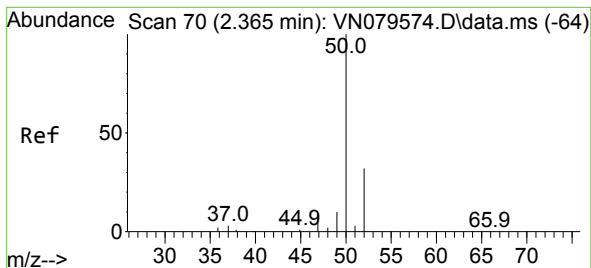
Tgt Ion:128 Resp: 19847  
Ion Ratio Lower Upper  
128 100  
49 191.6 0.0 468.5  
130 127.3 0.0 320.7



#2  
Dichlorodifluoromethane  
Concen: 19.432 ug/l  
RT: 2.130 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 85 Resp: 55928  
Ion Ratio Lower Upper  
85 100  
87 33.0 15.6 46.7





#3

Chloromethane

Concen: 18.452 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA\_N

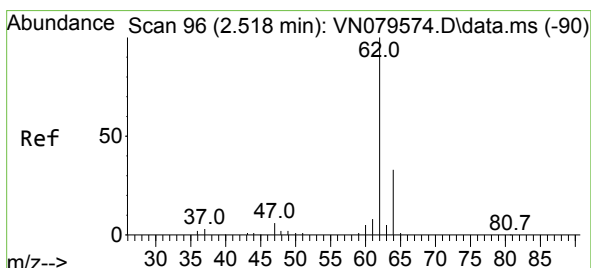
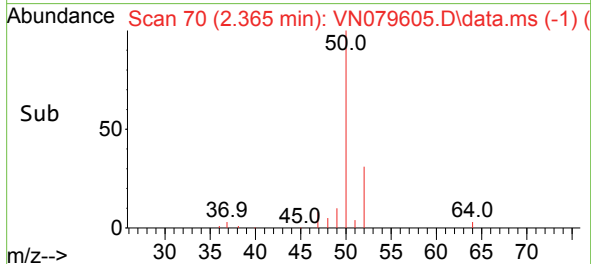
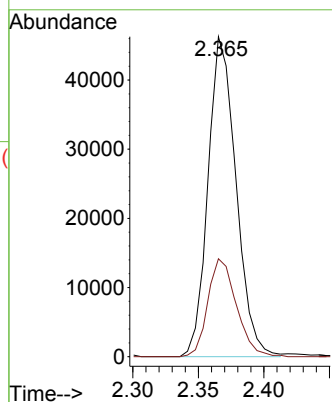
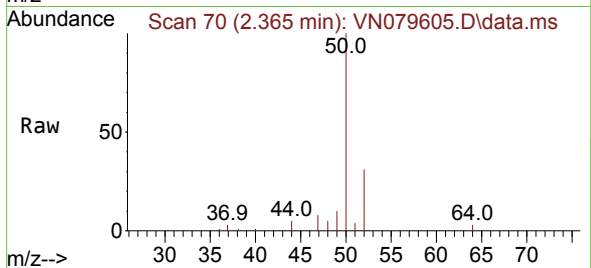
ClientSampleId :

Tgt Ion: 50 Resp: 68833

Ion Ratio Lower Upper

50 100

52 30.6 25.6 38.4



#4

Vinyl Chloride

Concen: 19.221 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.000 min

Lab File: VN079605.D

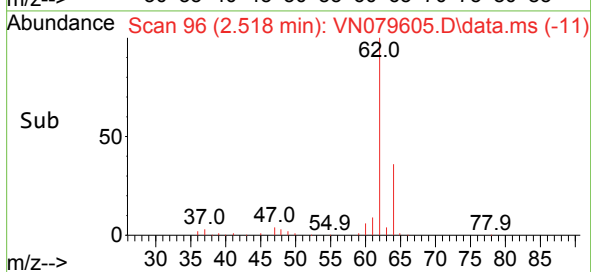
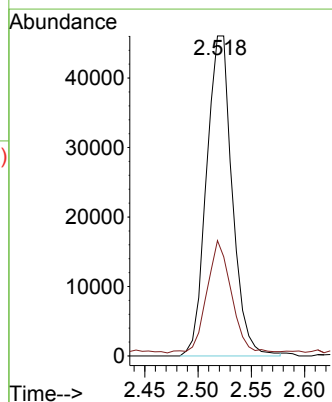
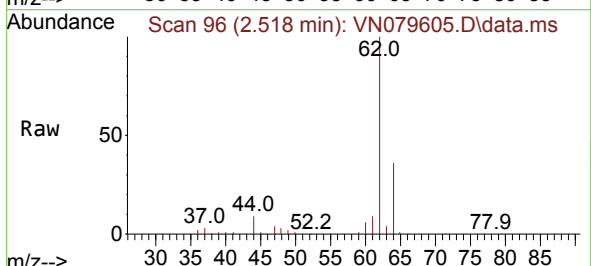
Acq: 18 Oct 2023 17:13

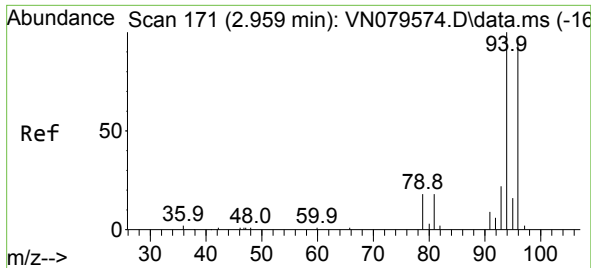
Tgt Ion: 62 Resp: 77385

Ion Ratio Lower Upper

62 100

64 34.7 26.4 39.6

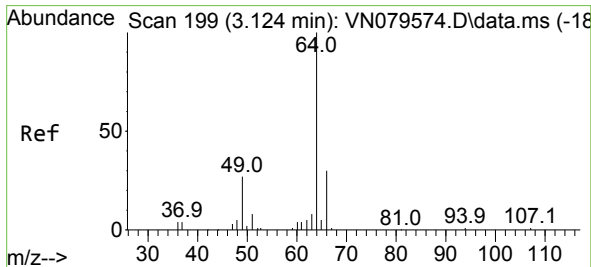
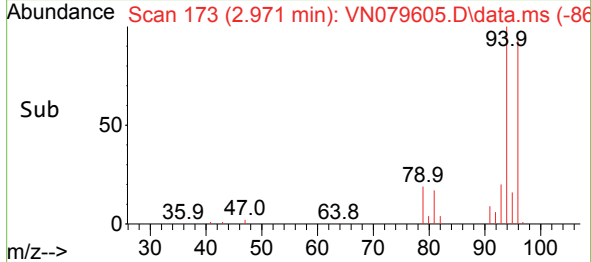
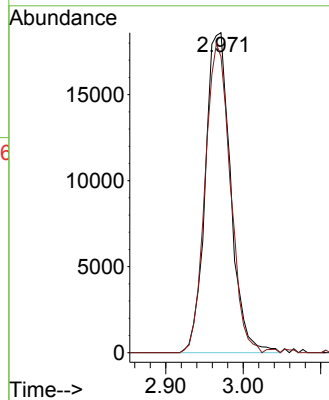
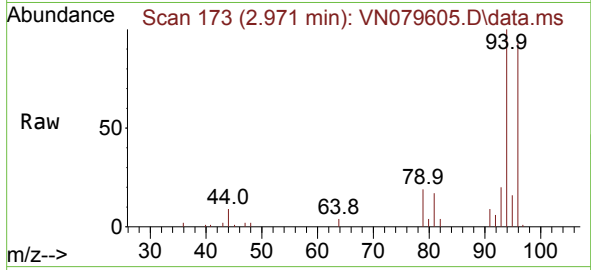




#5  
Bromomethane  
Concen: 16.886 ug/l  
RT: 2.971 min Scan# 173  
Delta R.T. 0.012 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

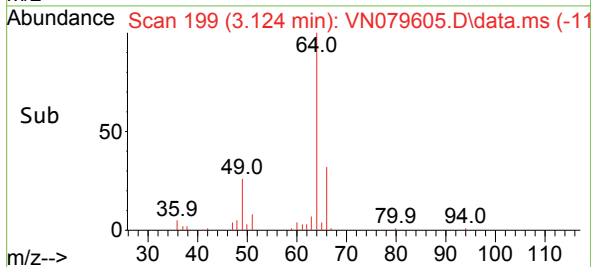
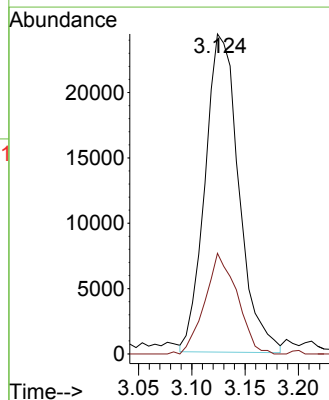
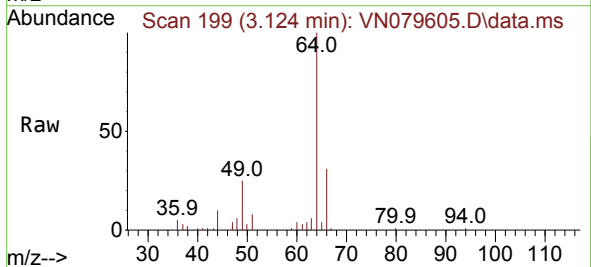
Instrument :  
MSVOA\_N  
ClientSampleId :

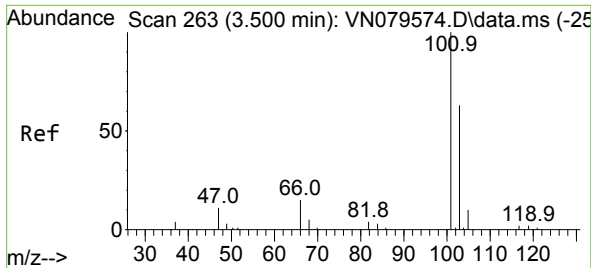
Tgt Ion: 94 Resp: 42152  
Ion Ratio Lower Upper  
94 100  
96 92.5 77.8 116.6



#6  
Chloroethane  
Concen: 19.014 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 64 Resp: 53880  
Ion Ratio Lower Upper  
64 100  
66 32.3 23.3 34.9

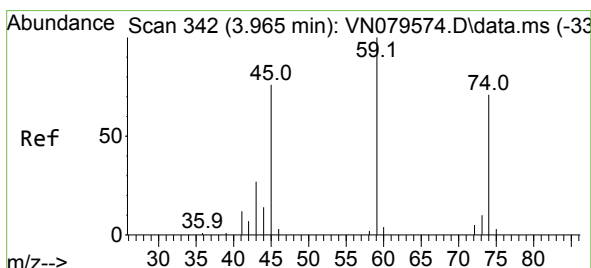
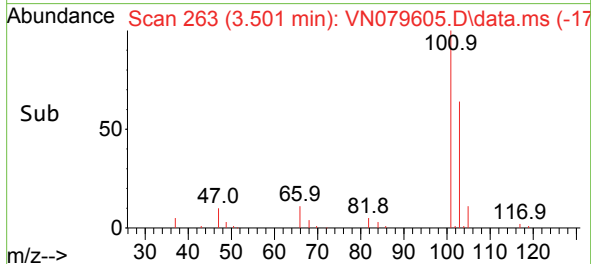
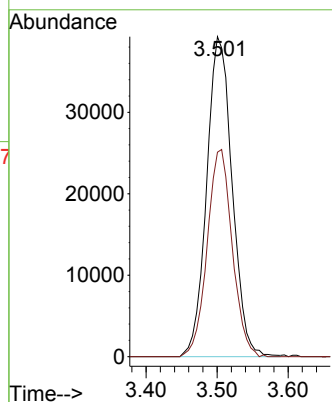
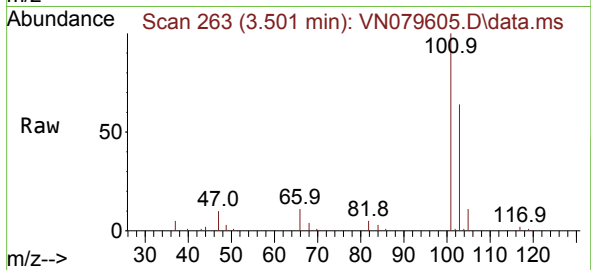




#7  
 Trichlorofluoromethane  
 Concen: 19.933 ug/l  
 RT: 3.501 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

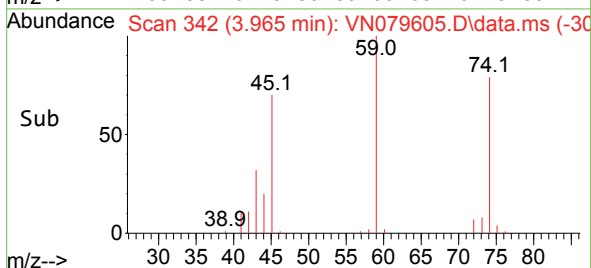
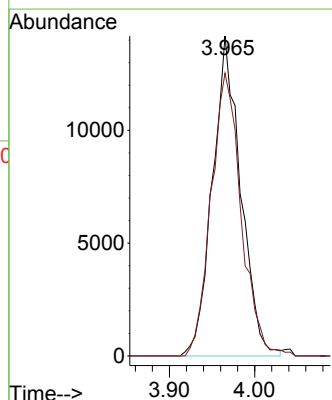
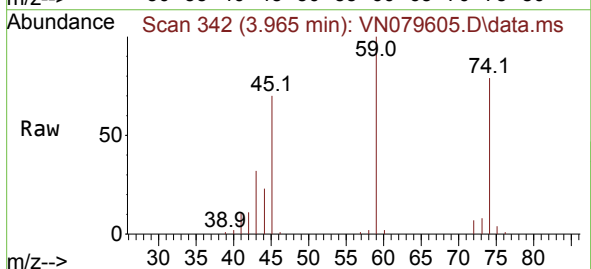
Instrument :  
 MSVOA\_N  
 ClientSampleId :

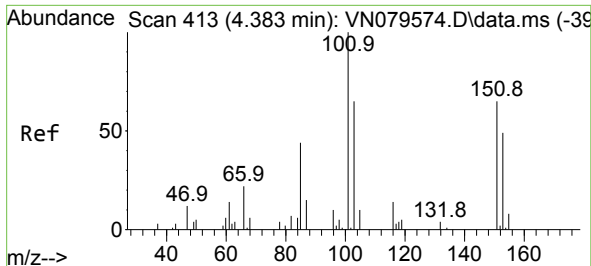
Tgt Ion:101 Resp: 97925  
 Ion Ratio Lower Upper  
 101 100  
 103 63.9 49.9 74.9



#8  
 Diethyl Ether  
 Concen: 18.334 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

Tgt Ion: 74 Resp: 32644  
 Ion Ratio Lower Upper  
 74 100  
 45 93.5 19.0 171.0

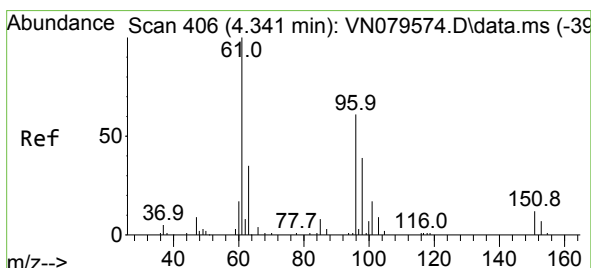
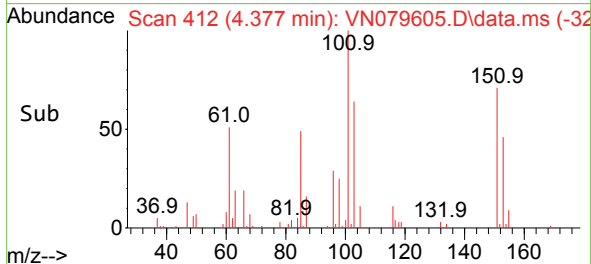
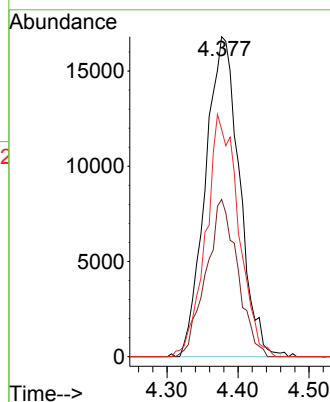
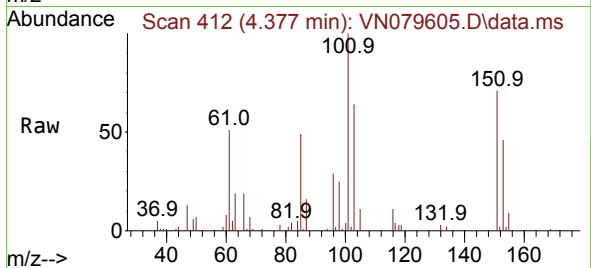




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.843 ug/l  
RT: 4.377 min Scan# 413  
Delta R.T. -0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

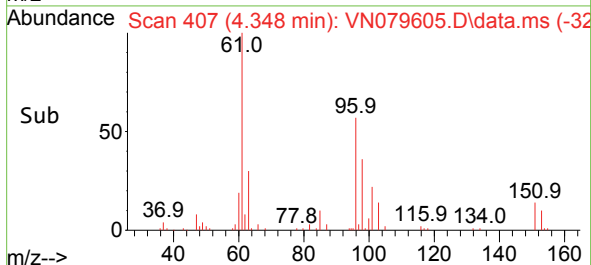
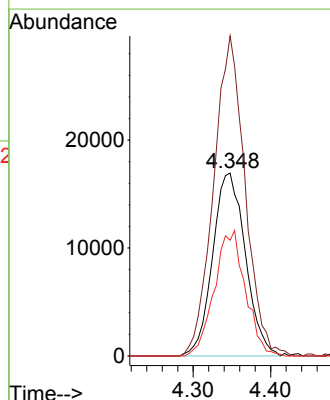
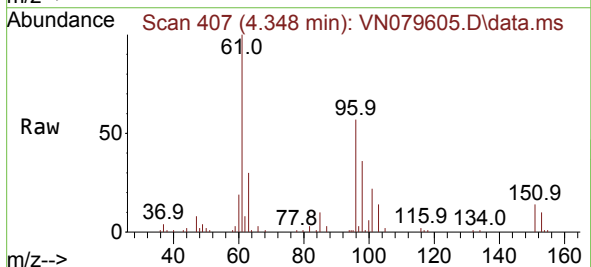
Instrument :  
MSVOA\_N  
ClientSampleId :

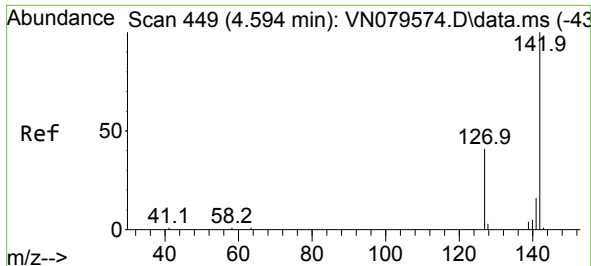
Tgt Ion:101 Resp: 55772  
Ion Ratio Lower Upper  
101 100  
85 45.7 0.0 92.0  
151 72.4 0.0 138.4



#10  
1,1-Dichloroethene  
Concen: 18.622 ug/l  
RT: 4.348 min Scan# 407  
Delta R.T. 0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

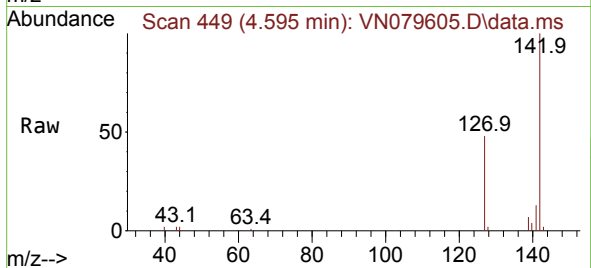
Tgt Ion: 96 Resp: 49800  
Ion Ratio Lower Upper  
96 100  
61 175.0 141.3 211.9  
98 63.3 53.2 79.8



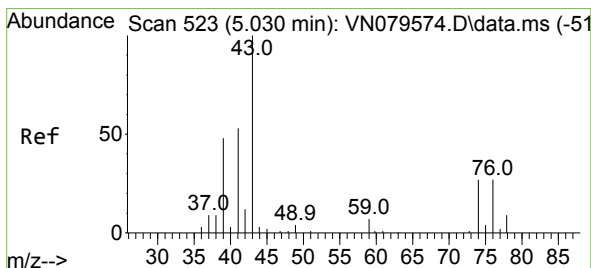
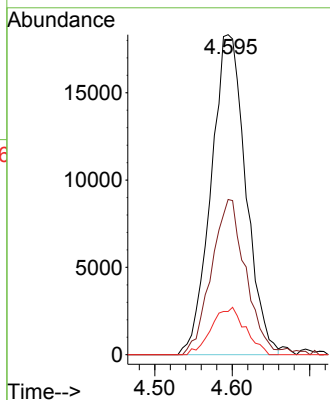
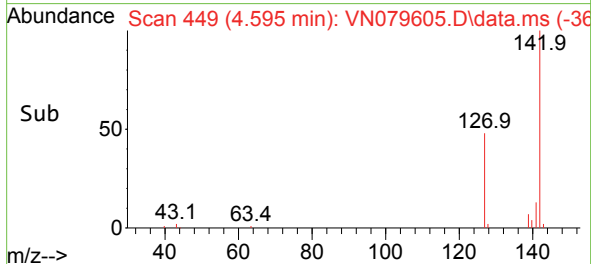


#11  
Methyl Iodide  
Concen: 19.265 ug/l  
RT: 4.595 min Scan# 449  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Instrument :  
MSVOA\_N  
ClientSampleId :

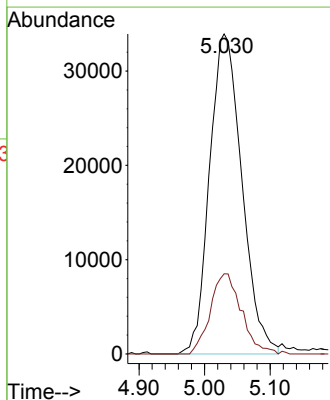
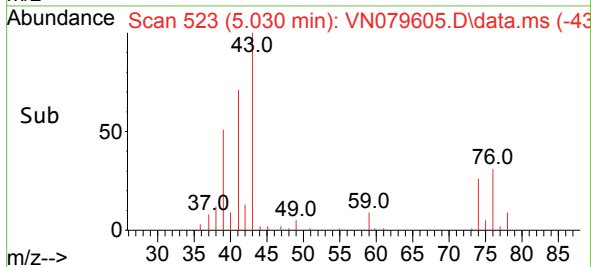
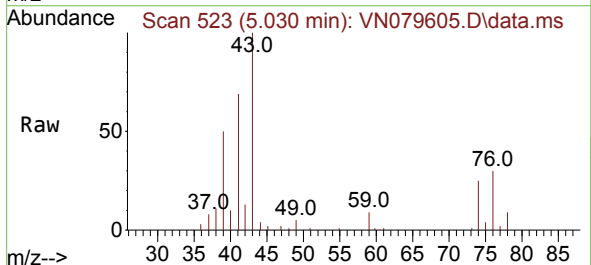


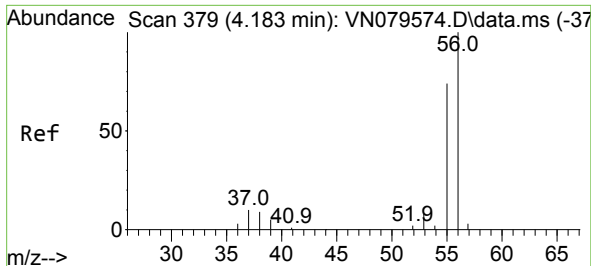
Tgt Ion:142 Resp: 57040  
Ion Ratio Lower Upper  
142 100  
127 48.2 24.6 73.8  
141 13.6 7.7 23.1



#12  
Methyl Acetate  
Concen: 18.016 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

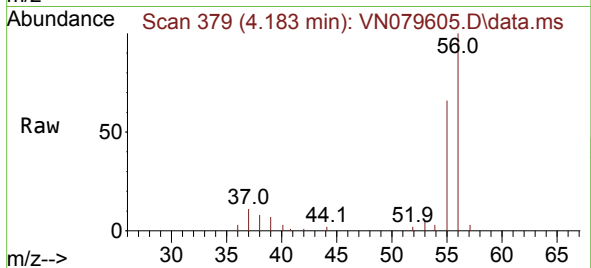
Tgt Ion: 43 Resp: 116146  
Ion Ratio Lower Upper  
43 100  
74 25.3 18.1 27.1



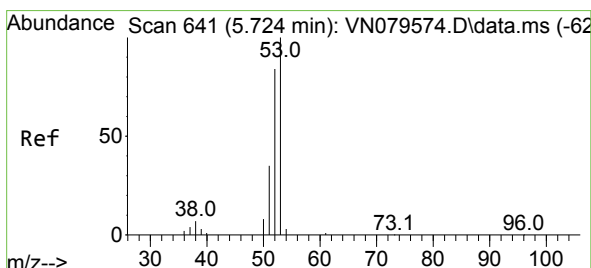
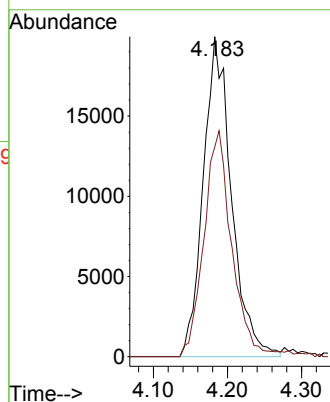
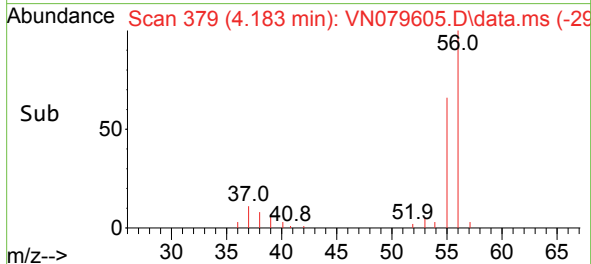


#13  
Acrolein  
Concen: 98.750 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

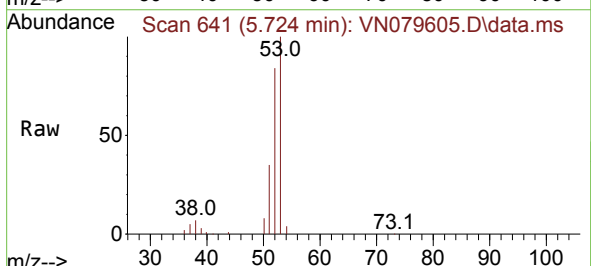
Instrument :  
MSVOA\_N  
ClientSampleId :



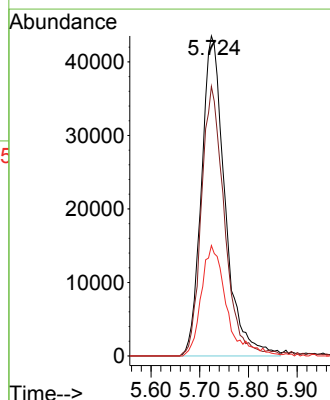
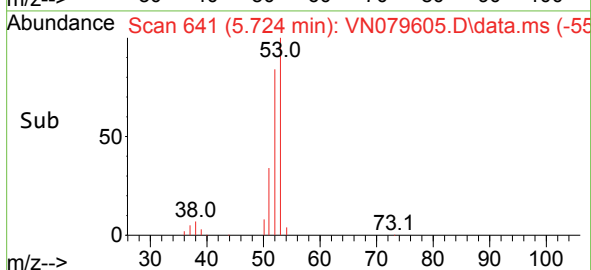
Tgt Ion: 56 Resp: 52625  
Ion Ratio Lower Upper  
56 100  
55 69.7 57.1 85.7

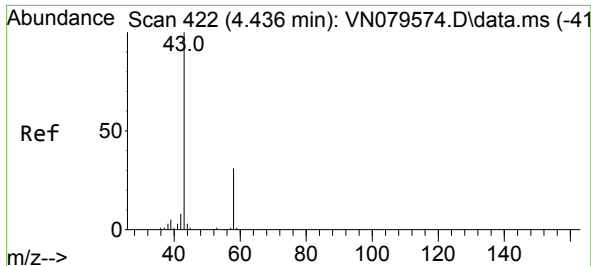


#14  
Acrylonitrile  
Concen: 94.714 ug/l  
RT: 5.724 min Scan# 641  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13



Tgt Ion: 53 Resp: 146223  
Ion Ratio Lower Upper  
53 100  
52 81.8 41.6 124.9  
51 36.1 17.8 53.3

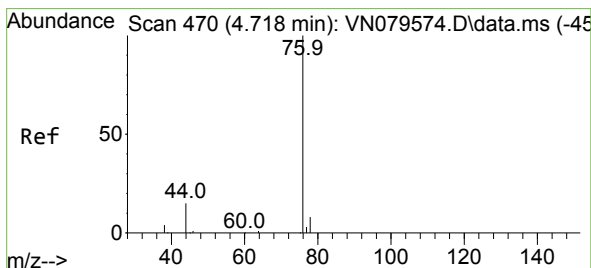
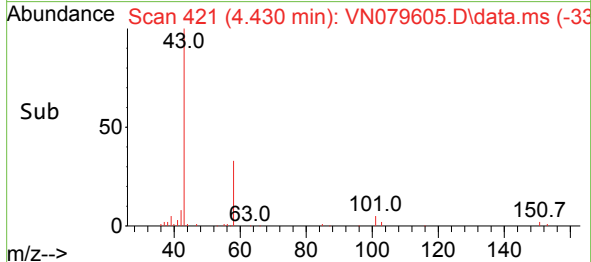
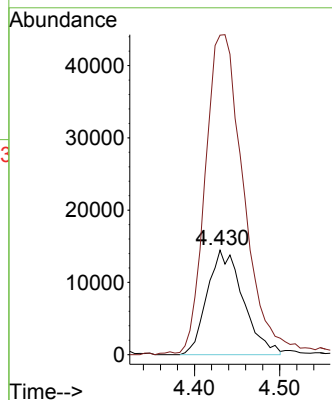
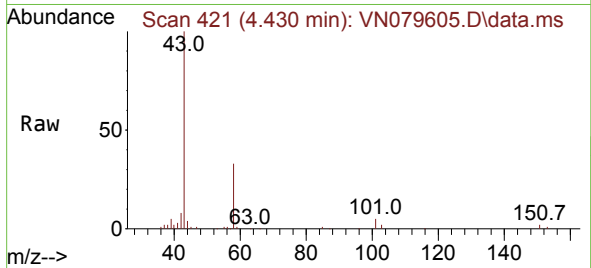




#15  
Acetone  
Concen: 86.918 ug/l  
RT: 4.430 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

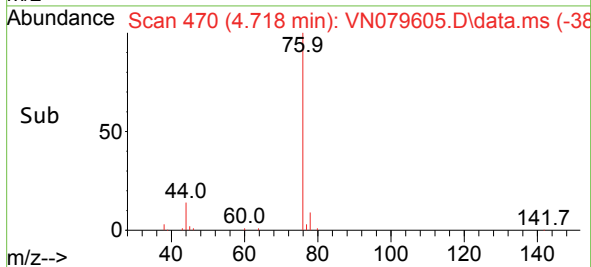
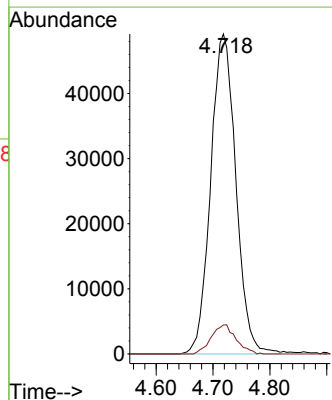
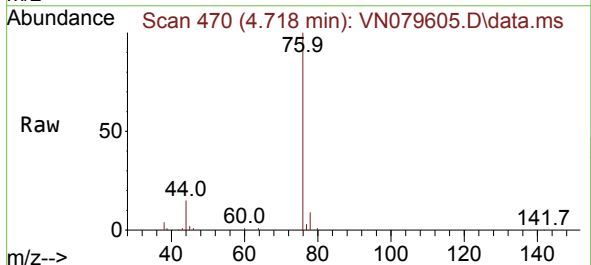
Instrument :  
MSVOA\_N  
ClientSampleId :

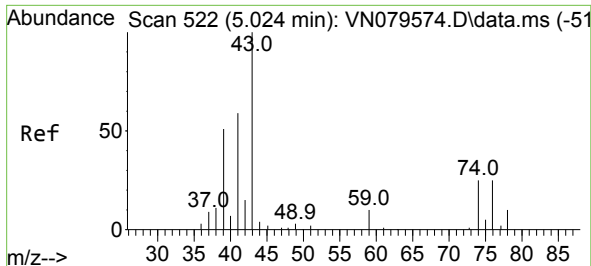
Tgt Ion: 58 Resp: 42508  
Ion Ratio Lower Upper  
58 100  
43 303.8 225.2 337.8



#16  
Carbon Disulfide  
Concen: 18.543 ug/l  
RT: 4.718 min Scan# 470  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

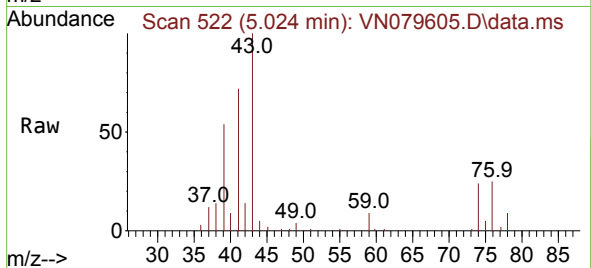
Tgt Ion: 76 Resp: 151209  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.5 11.3



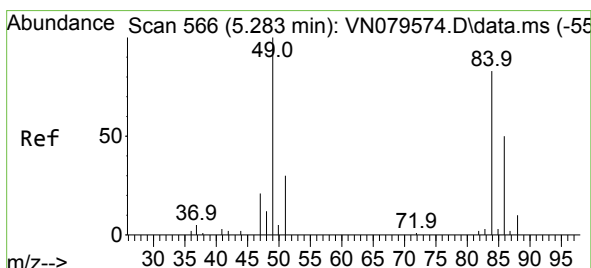
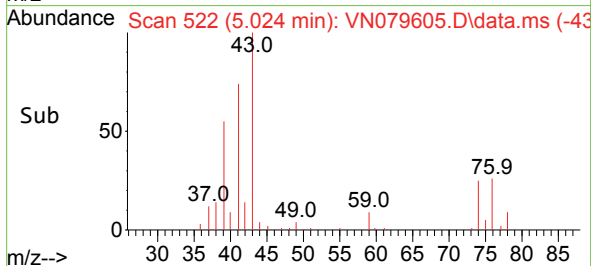
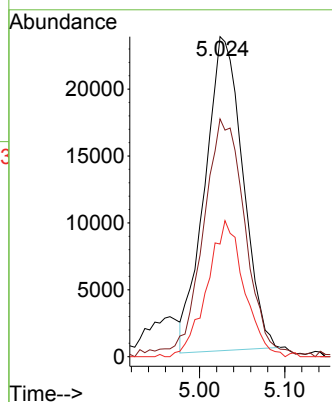


#17  
 Allyl chloride  
 Concen: 17.642 ug/l  
 RT: 5.024 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :

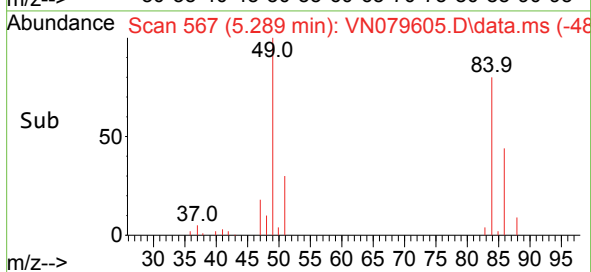
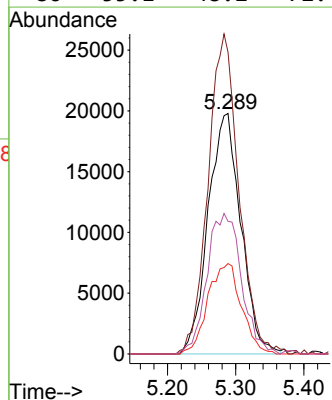
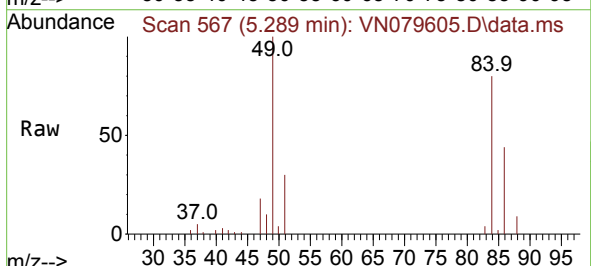


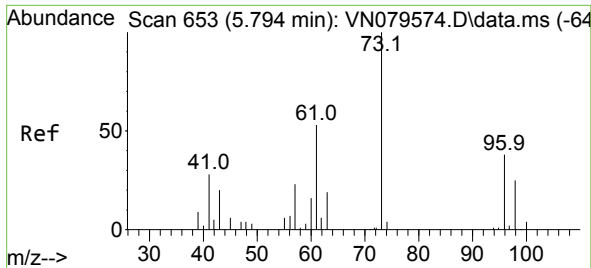
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 72739 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 74.1  | 38.4  | 115.2 |
| 76       | 34.8  | 19.5  | 58.5  |



#18  
 Methylene Chloride  
 Concen: 20.050 ug/l  
 RT: 5.289 min Scan# 567  
 Delta R.T. 0.006 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

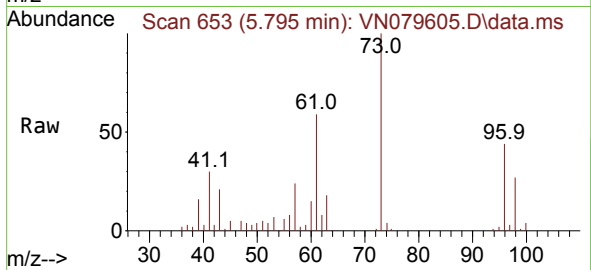
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 65996 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 123.9 | 100.9 | 151.3 |
| 51       | 37.6  | 29.4  | 44.2  |
| 86       | 55.1  | 48.2  | 72.4  |



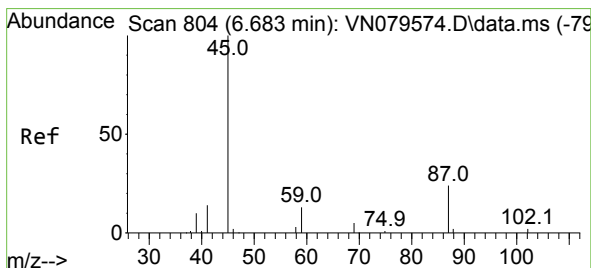
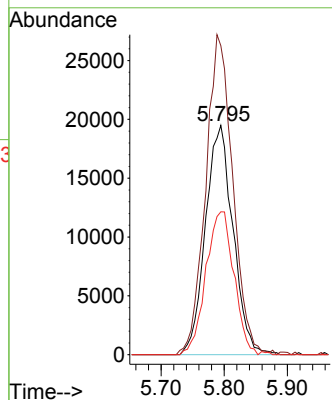
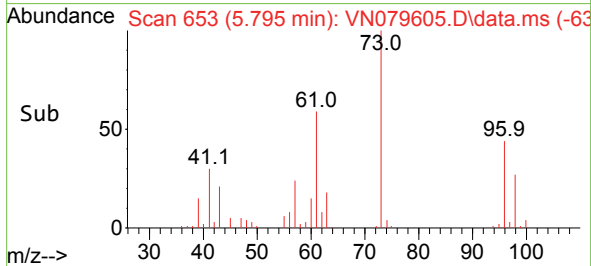


#19  
trans-1,2-Dichloroethene  
Concen: 19.798 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Instrument :  
MSVOA\_N  
ClientSampleId :

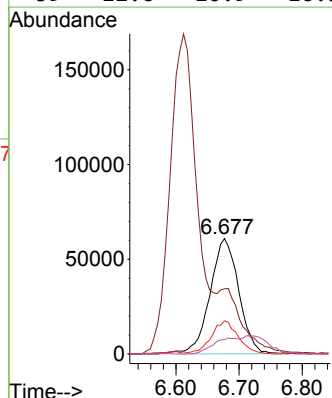
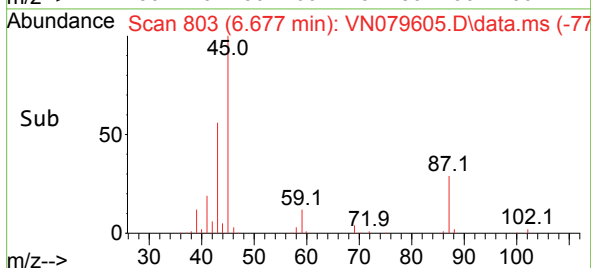
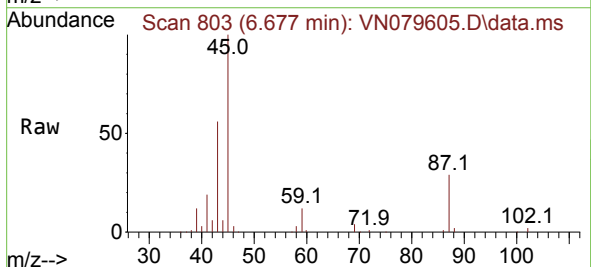


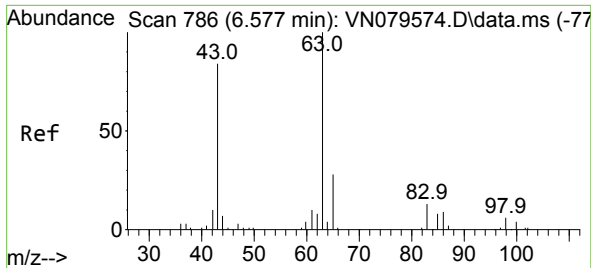
Tgt Ion: 96 Resp: 59230  
Ion Ratio Lower Upper  
96 100  
61 133.6 113.4 170.0  
98 62.4 50.4 75.6



#20  
Diisopropyl ether  
Concen: 19.506 ug/l  
RT: 6.677 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

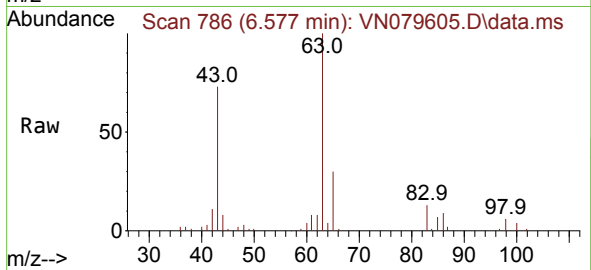
Tgt Ion: 45 Resp: 190695  
Ion Ratio Lower Upper  
45 100  
43 53.7 42.1 63.1  
87 28.8 20.5 30.7  
59 12.6 10.9 16.3



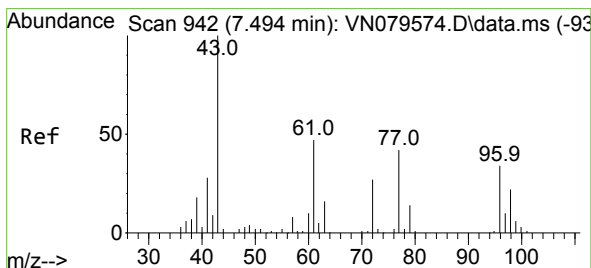
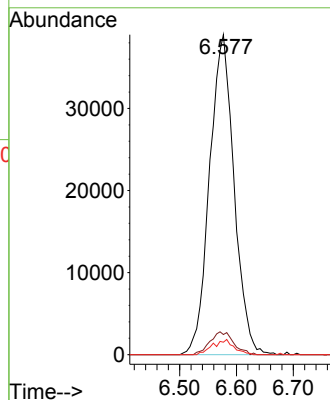
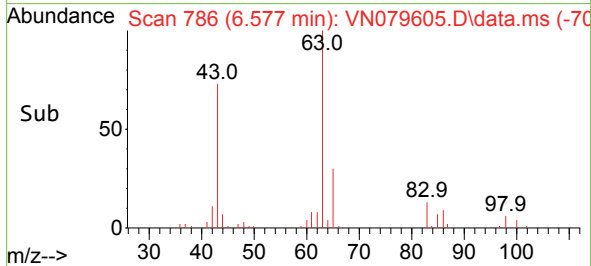


#21  
1,1-Dichloroethane  
Concen: 19.669 ug/l  
RT: 6.577 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Instrument :  
MSVOA\_N  
ClientSampleId :

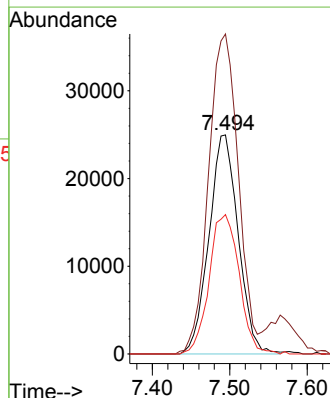
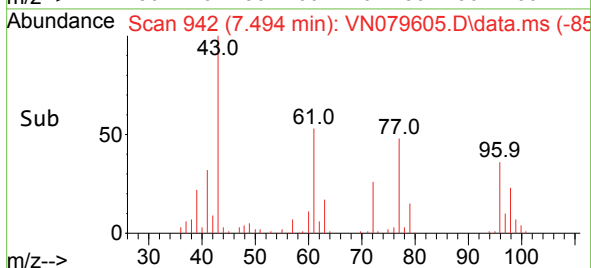
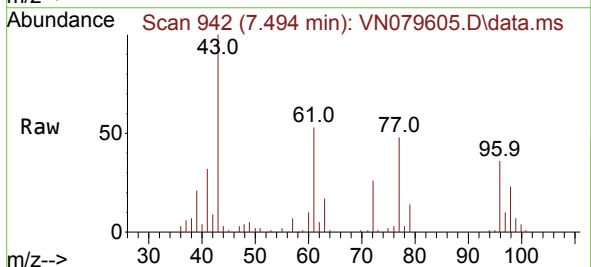


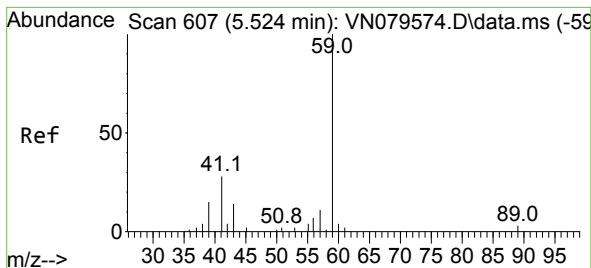
Tgt Ion: 63 Resp: 116848  
Ion Ratio Lower Upper  
63 100  
98 6.3 2.8 8.4  
100 3.9 1.9 5.7



#22  
cis-1,2-Dichloroethene  
Concen: 19.022 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 96 Resp: 65549  
Ion Ratio Lower Upper  
96 100  
61 148.7 124.6 186.8  
98 65.3 54.2 81.4





#23

tert-Butyl Alcohol

Concen: 70.435 ug/l

RT: 5.524 min Scan# 607

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA\_N

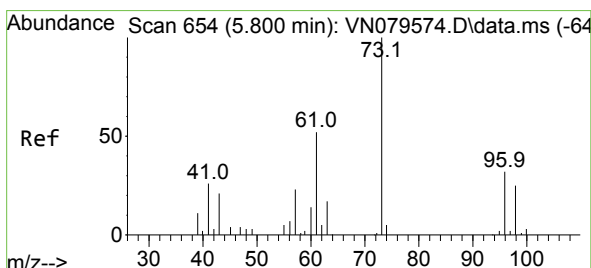
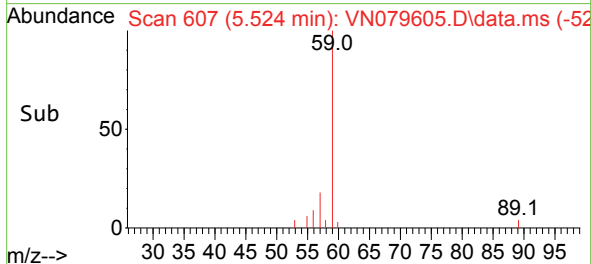
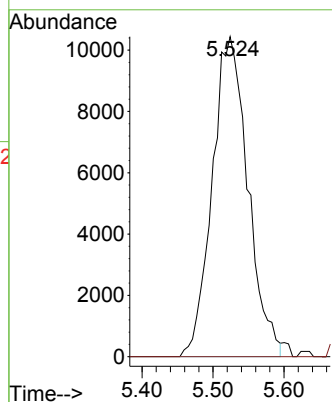
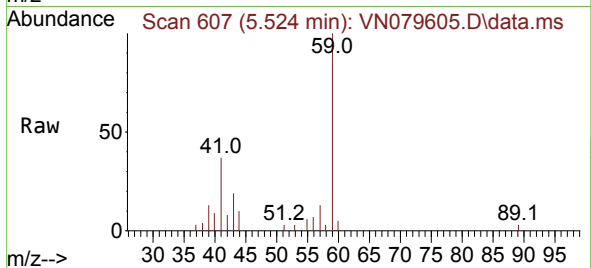
ClientSampleId :

Tgt Ion: 59 Resp: 36362

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 18.617 ug/l

RT: 5.800 min Scan# 654

Delta R.T. 0.000 min

Lab File: VN079605.D

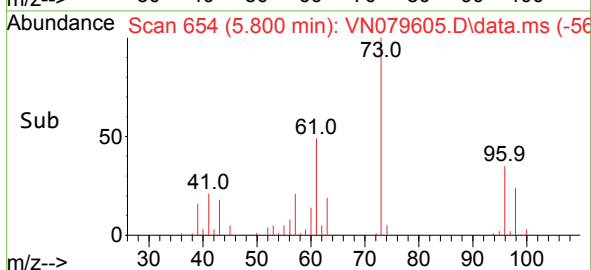
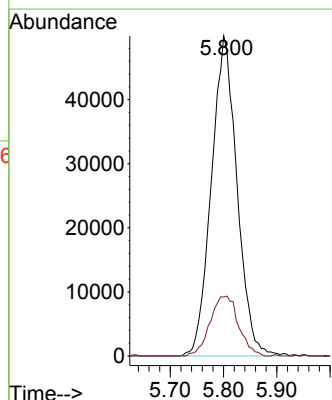
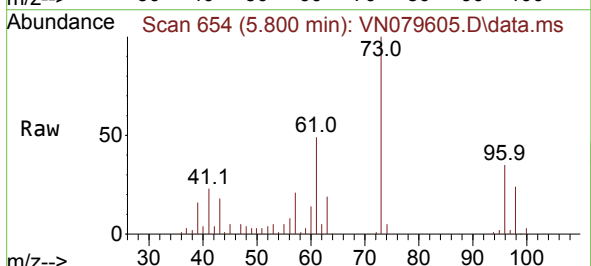
Acq: 18 Oct 2023 17:13

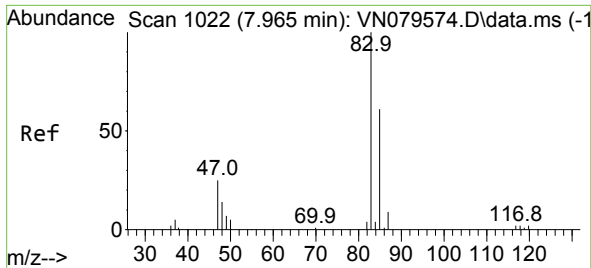
Tgt Ion: 73 Resp: 167048

Ion Ratio Lower Upper

73 100

43 20.7 16.6 24.8

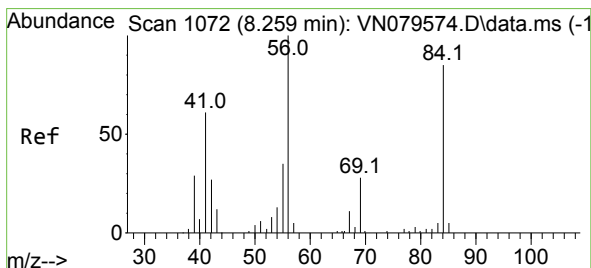
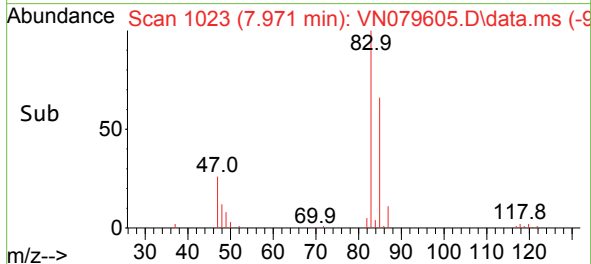
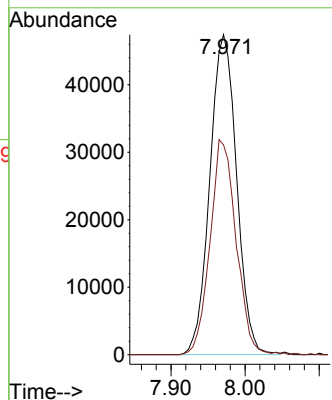
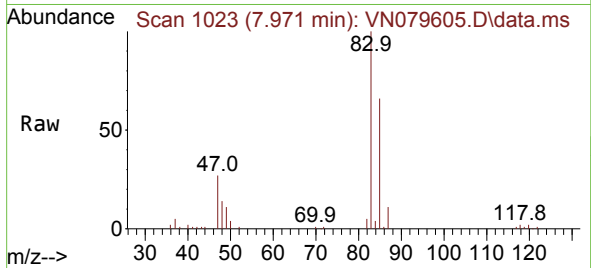




#25  
Chloroform  
Concen: 19.878 ug/l  
RT: 7.971 min Scan# 1023  
Delta R.T. 0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

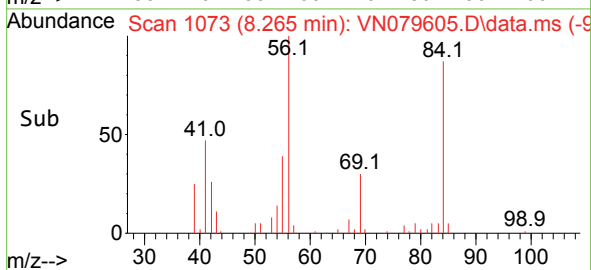
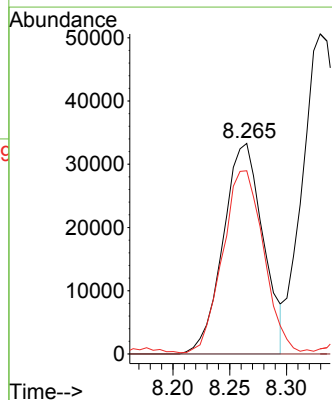
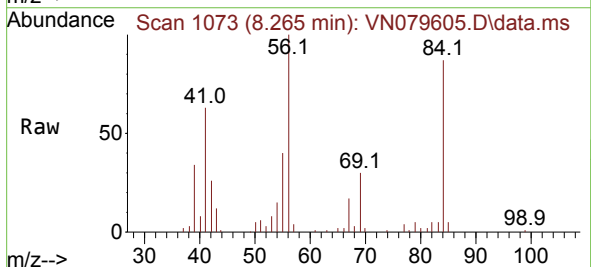
Instrument :  
MSVOA\_N  
ClientSampleId :

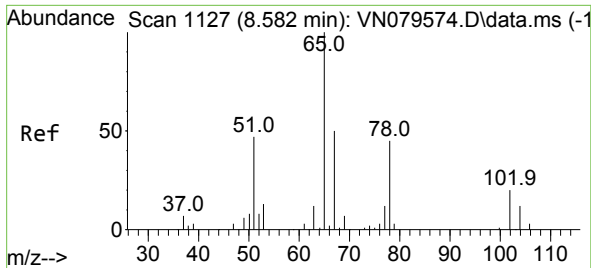
Tgt Ion: 83 Resp: 119326  
Ion Ratio Lower Upper  
83 100  
85 65.5 47.4 71.2



#26  
Cyclohexane  
Concen: 18.176 ug/l  
RT: 8.265 min Scan# 1073  
Delta R.T. 0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 56 Resp: 81625  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 89.6 69.0 103.4

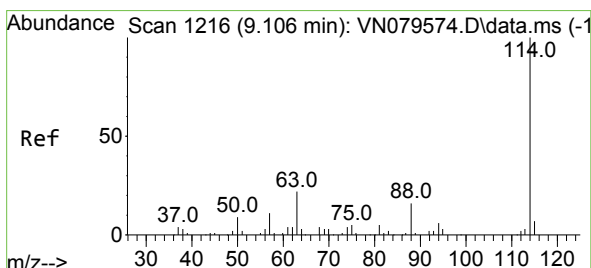
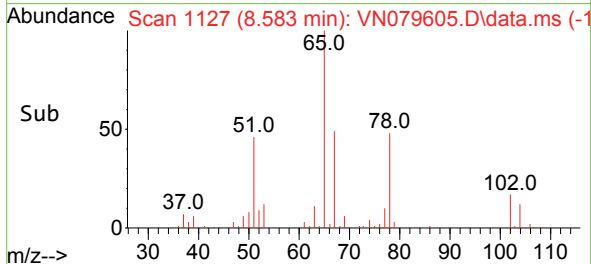
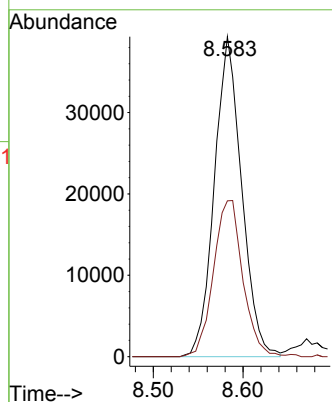
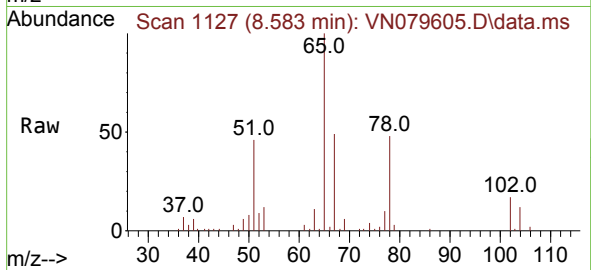




#27  
1,2-Dichloroethane-d4  
Concen: 29.428 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

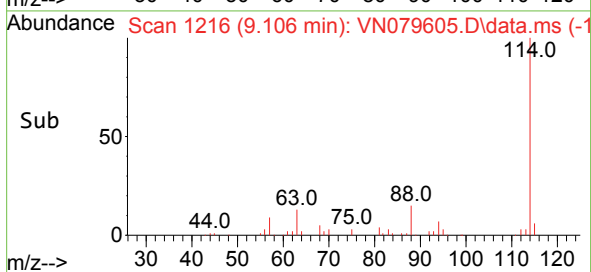
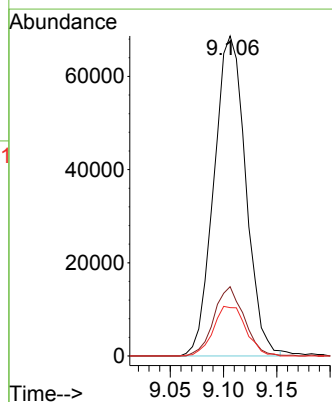
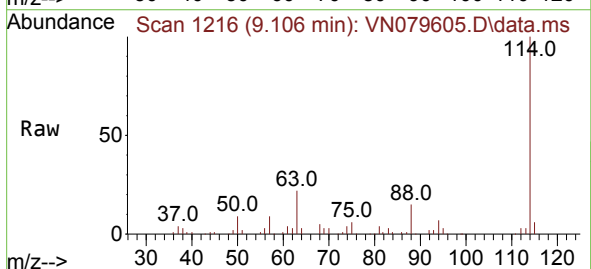
Instrument :  
MSVOA\_N  
ClientSampleId :

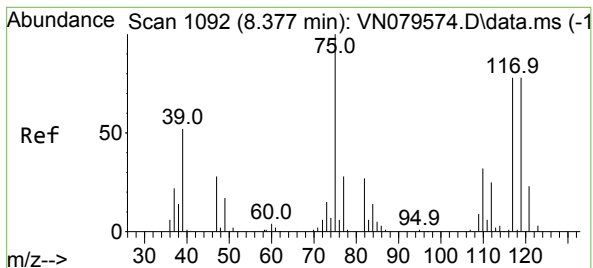
Tgt Ion: 65 Resp: 83040  
Ion Ratio Lower Upper  
65 100  
67 52.5 42.1 63.1



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 114 Resp: 142667  
Ion Ratio Lower Upper  
114 100  
63 20.5 18.1 27.1  
88 15.9 12.2 18.2





#29

1,1-Dichloropropene

Concen: 20.239 ug/l

RT: 8.377 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA\_N

ClientSampleId :

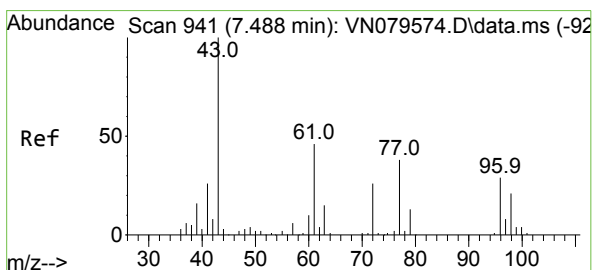
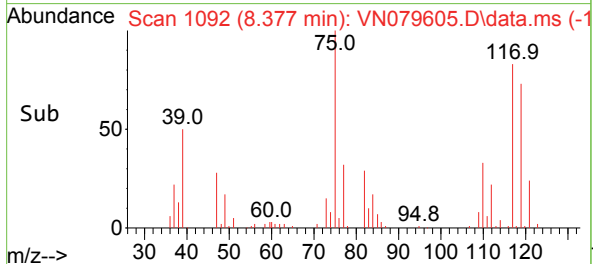
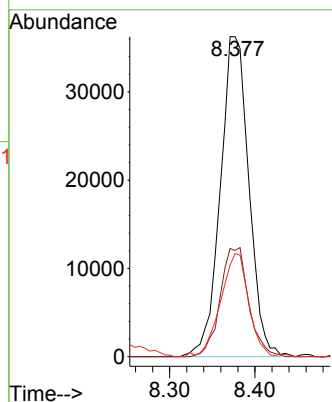
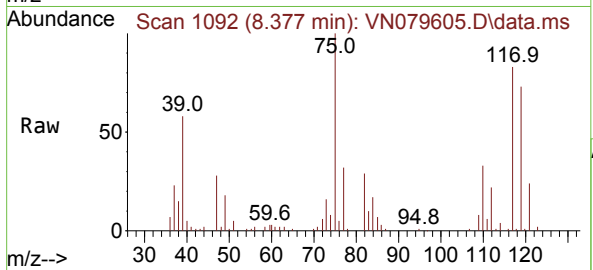
Tgt Ion: 75 Resp: 84379

Ion Ratio Lower Upper

75 100

110 33.9 0.0 66.8

77 31.5 0.0 61.2



#30

2-Butanone

Concen: 89.020 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

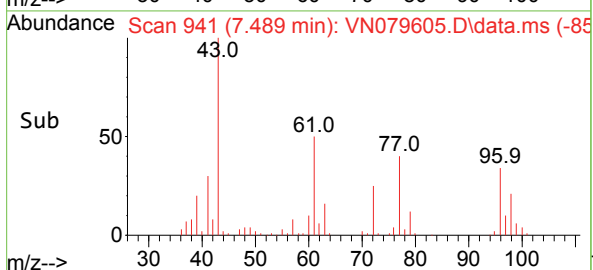
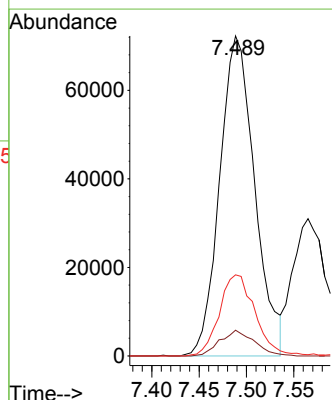
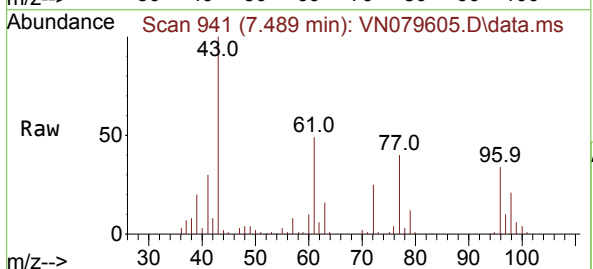
Tgt Ion: 43 Resp: 186041

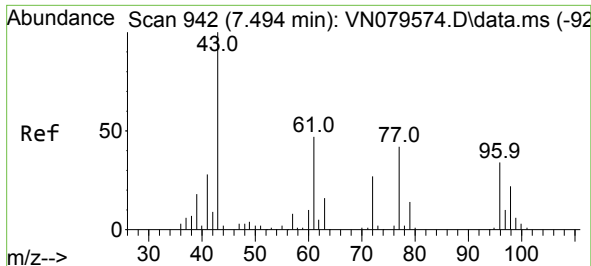
Ion Ratio Lower Upper

43 100

57 7.9 6.4 9.6

72 25.8 20.7 31.1





#31

2,2-Dichloropropane

Concen: 19.656 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA\_N

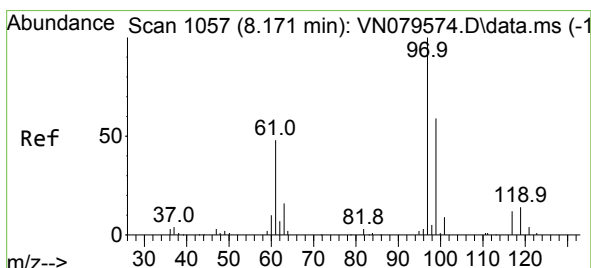
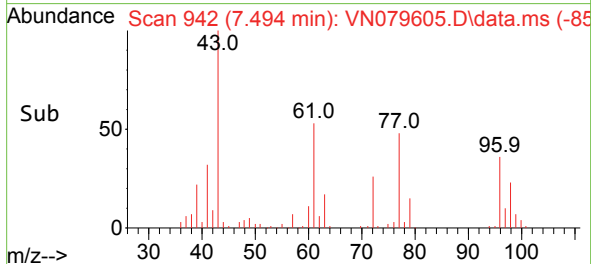
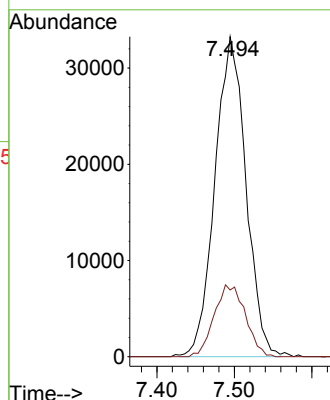
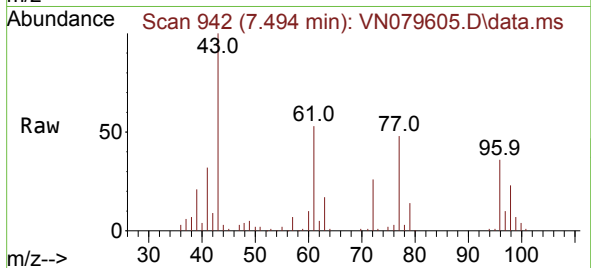
ClientSampleId :

Tgt Ion: 77 Resp: 92398

Ion Ratio Lower Upper

77 100

97 22.5 17.9 26.9



#32

1,1,1-Trichloroethane

Concen: 20.010 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

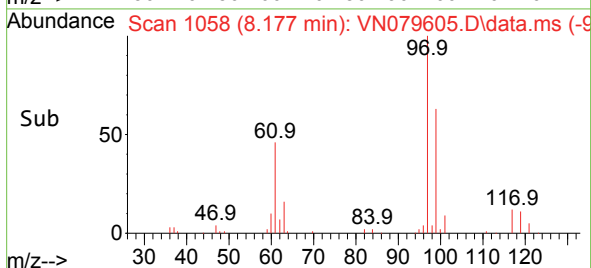
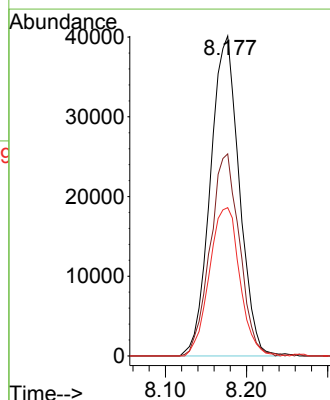
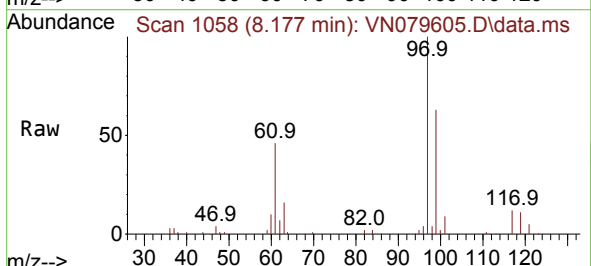
Tgt Ion: 97 Resp: 99159

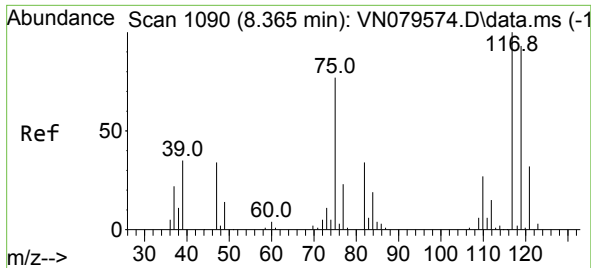
Ion Ratio Lower Upper

97 100

99 64.1 51.9 77.9

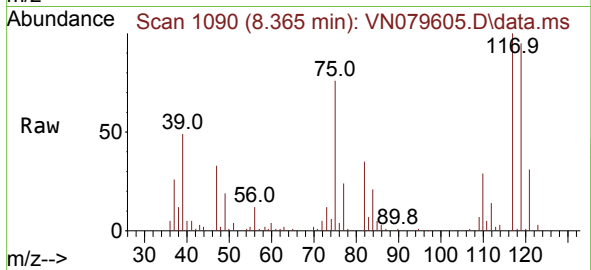
61 48.8 37.6 56.4



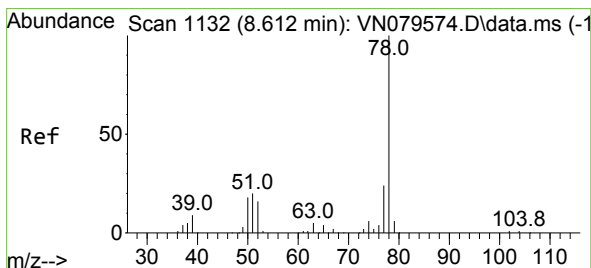
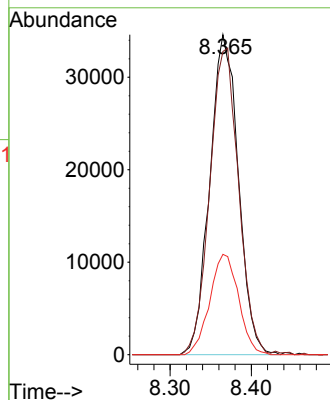
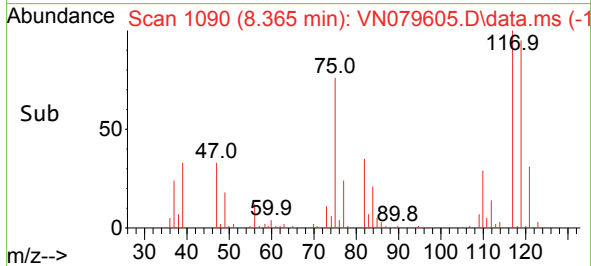


#33  
Carbon Tetrachloride  
Concen: 20.093 ug/l  
RT: 8.365 min Scan# 1109  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

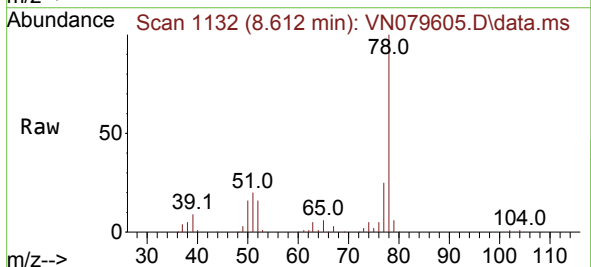
Instrument :  
MSVOA\_N  
ClientSampleId :



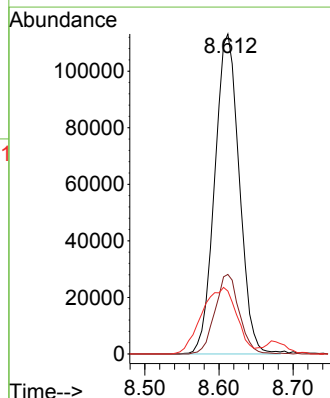
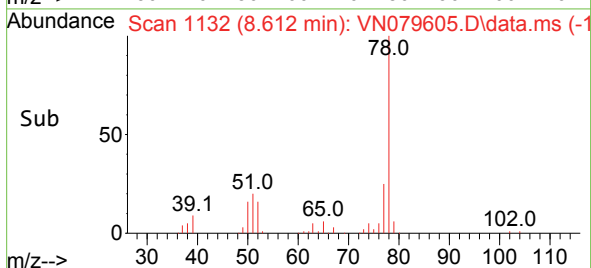
Tgt Ion:117 Resp: 84681  
Ion Ratio Lower Upper  
117 100  
119 94.8 75.0 112.6  
121 31.4 24.3 36.5

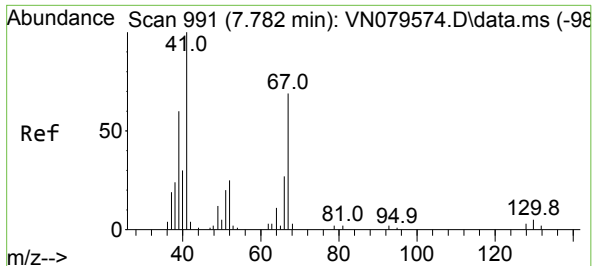


#34  
Benzene  
Concen: 20.552 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13



Tgt Ion: 78 Resp: 260332  
Ion Ratio Lower Upper  
78 100  
77 24.8 19.7 29.5  
51 19.0 15.8 23.6

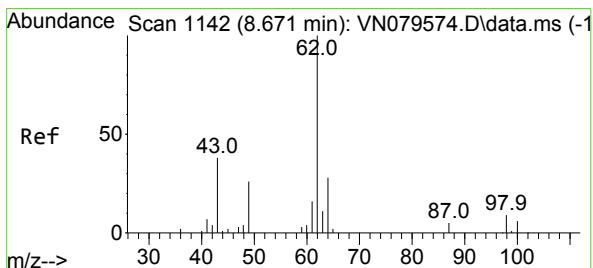
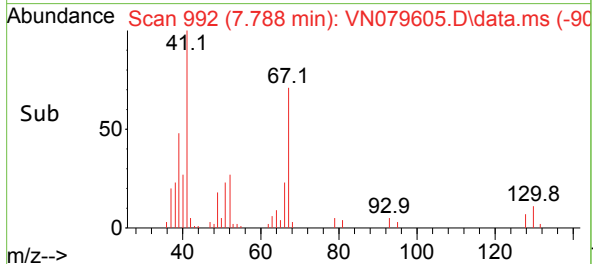
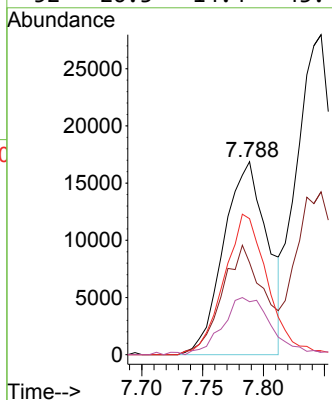
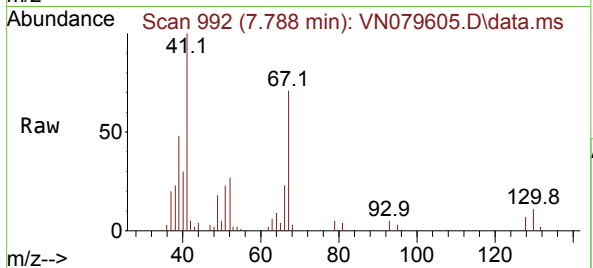




#35  
Methacrylonitrile  
Concen: 19.210 ug/l  
RT: 7.788 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

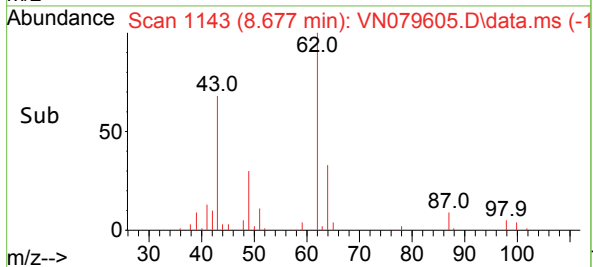
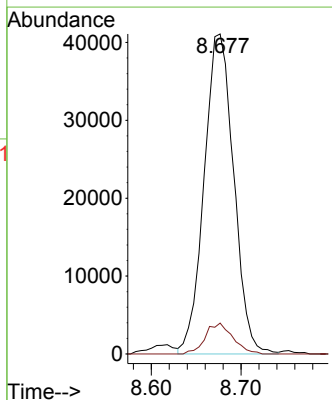
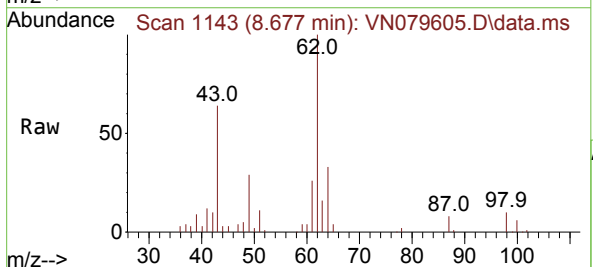
Instrument :  
MSVOA\_N  
ClientSampleId :

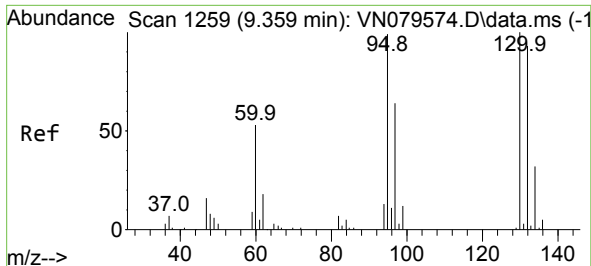
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 42231 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 47.7  | 26.3  | 78.8  |
| 67       | 70.5  | 37.5  | 112.3 |
| 52       | 26.3  | 14.4  | 43.4  |



#36  
1,2-Dichloroethane  
Concen: 20.815 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 94144 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.0   | 7.2   | 10.8  |

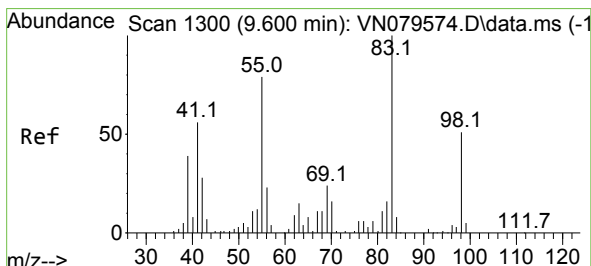
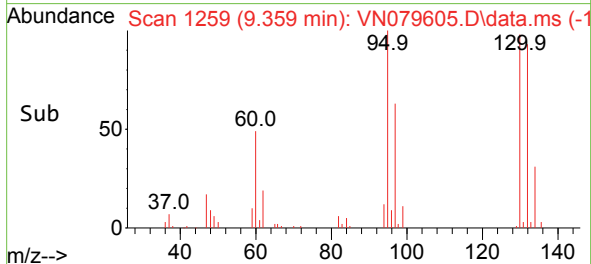
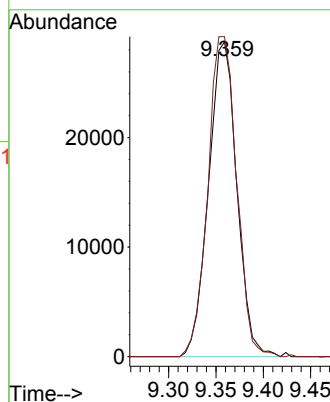
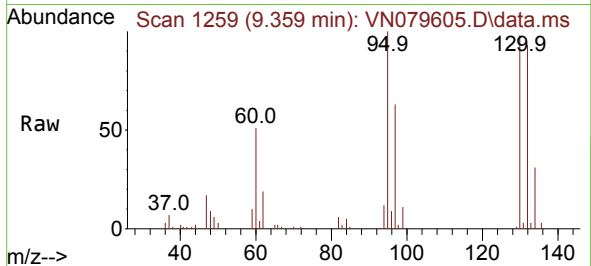




#37  
Trichloroethene  
Concen: 20.164 ug/l  
RT: 9.359 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

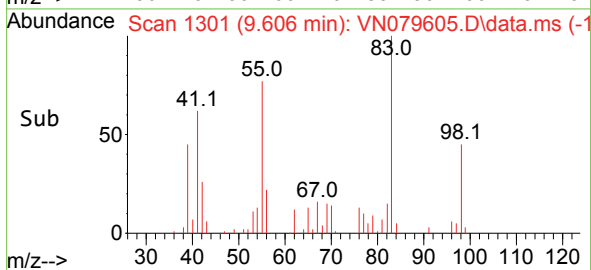
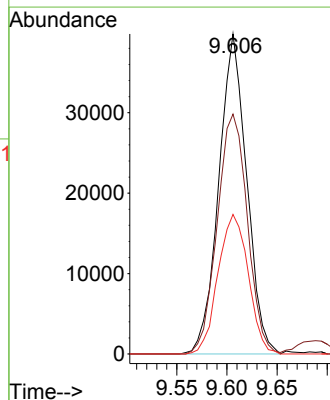
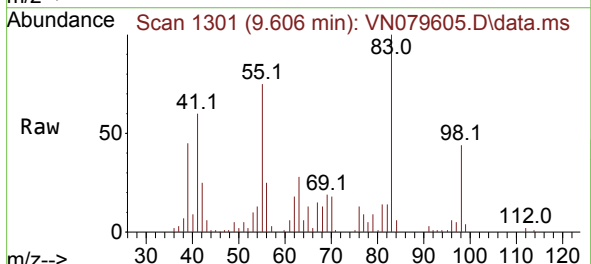
Instrument :  
MSVOA\_N  
ClientSampleId :

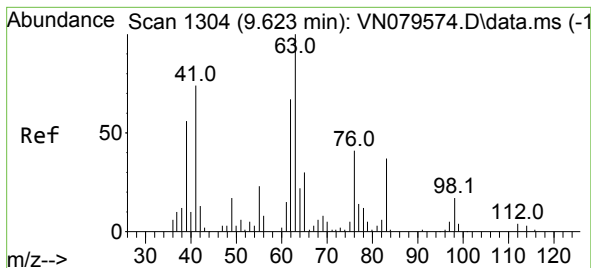
Tgt Ion:130 Resp: 59706  
Ion Ratio Lower Upper  
130 100  
95 101.6 81.2 121.8



#38  
Methylcyclohexane  
Concen: 19.176 ug/l  
RT: 9.606 min Scan# 1301  
Delta R.T. 0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 83 Resp: 76976  
Ion Ratio Lower Upper  
83 100  
55 81.0 39.7 119.1  
98 47.2 24.4 73.2





#39

1,2-Dichloropropane

Concen: 20.200 ug/l

RT: 9.630 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA\_N

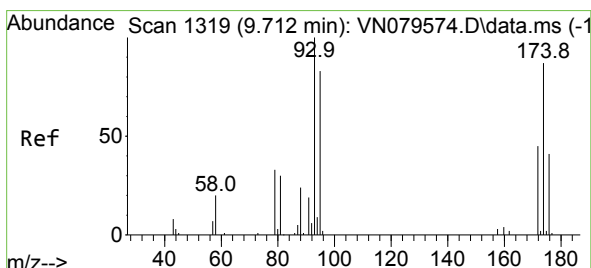
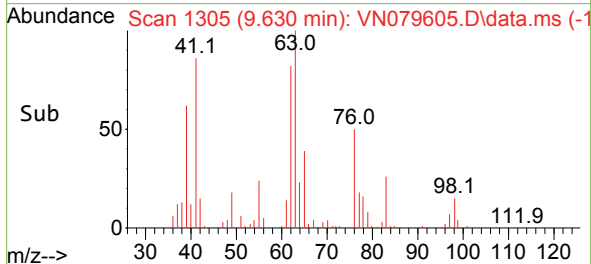
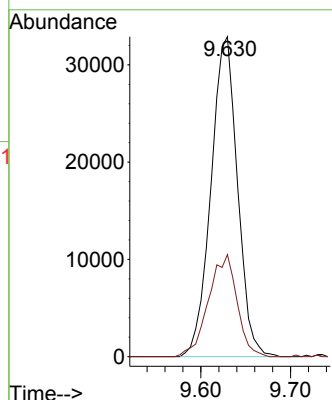
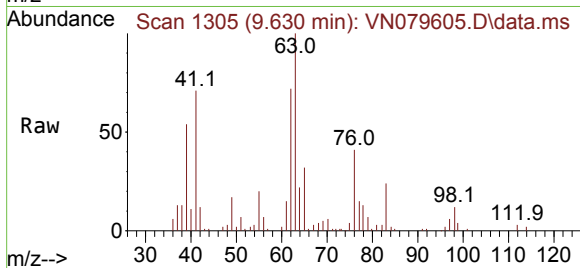
ClientSampleId :

Tgt Ion: 63 Resp: 67525

Ion Ratio Lower Upper

63 100

65 31.9 25.3 37.9



#40

Dibromomethane

Concen: 20.529 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

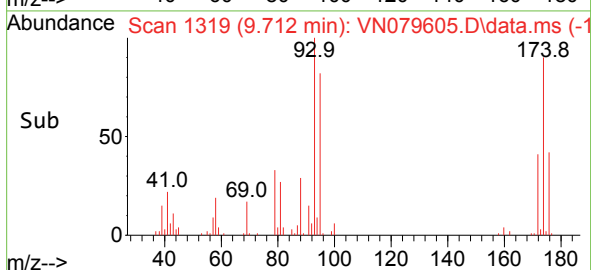
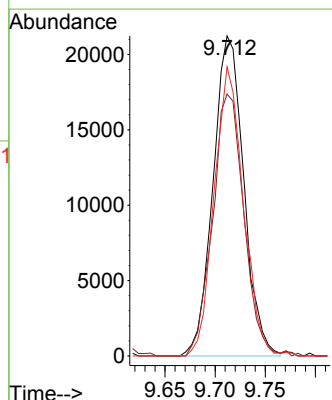
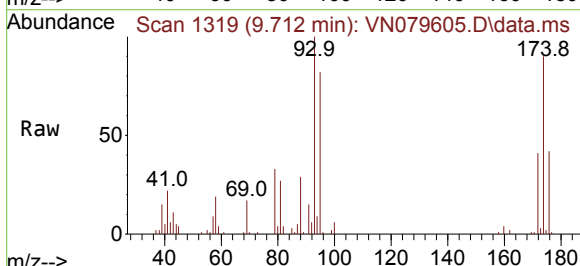
Tgt Ion: 93 Resp: 45036

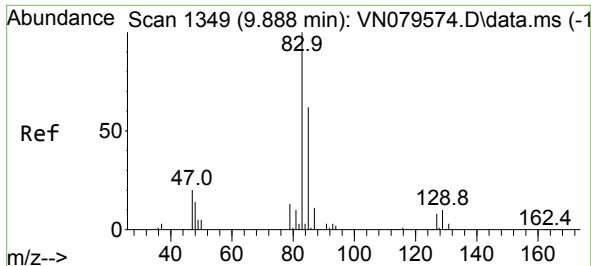
Ion Ratio Lower Upper

93 100

95 83.2 0.0 166.6

174 85.6 0.0 171.0

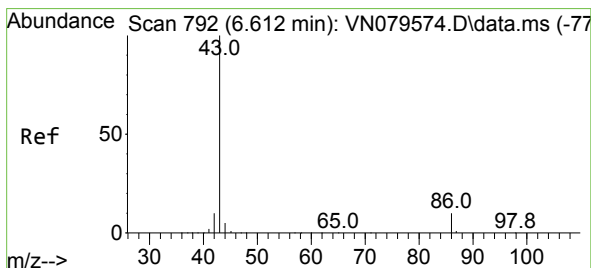
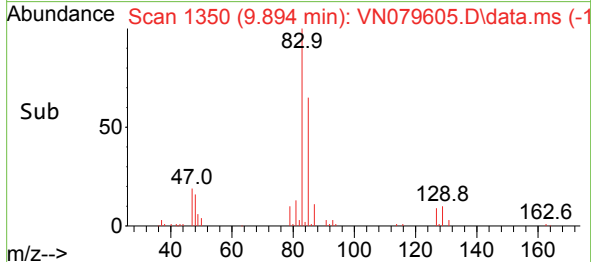
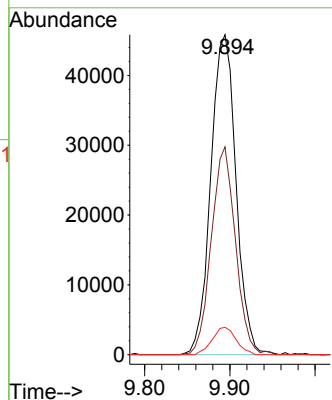
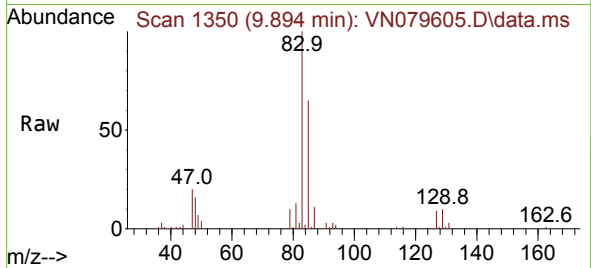




#41  
Bromodichloromethane  
Concen: 20.732 ug/l  
RT: 9.894 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

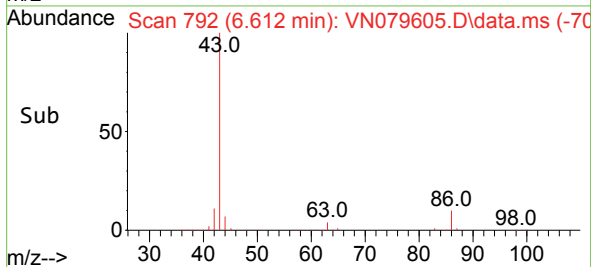
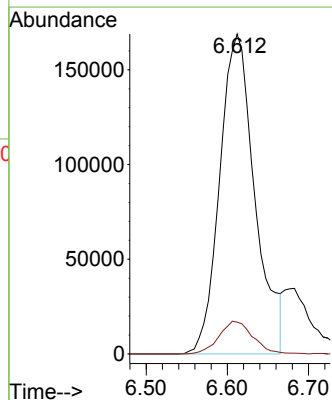
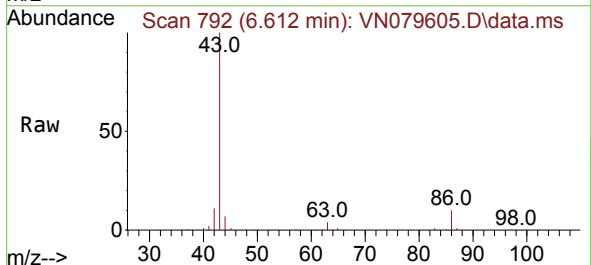
Instrument :  
MSVOA\_N  
ClientSampleId :

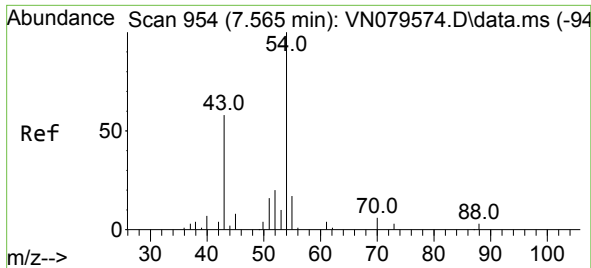
Tgt Ion: 83 Resp: 94255  
Ion Ratio Lower Upper  
83 100  
85 65.0 50.3 75.5  
127 8.6 6.8 10.2



#42  
Vinyl Acetate  
Concen: 96.081 ug/l  
RT: 6.612 min Scan# 792  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 43 Resp: 509367  
Ion Ratio Lower Upper  
43 100  
86 9.9 8.2 12.2

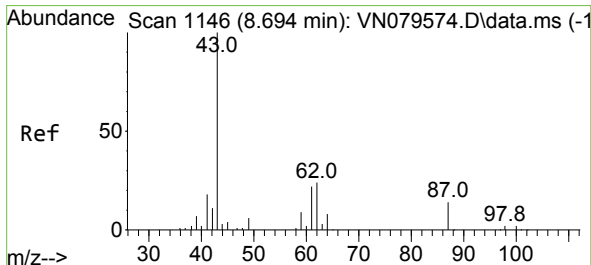
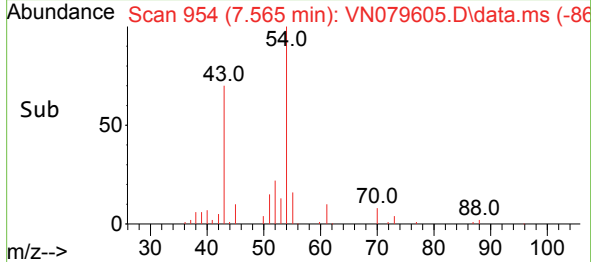
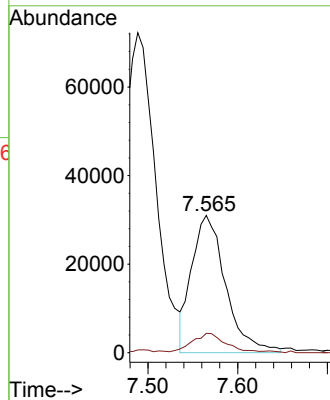
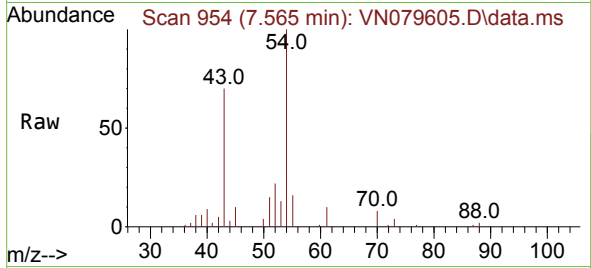




#43  
Ethyl Acetate  
Concen: 20.747 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

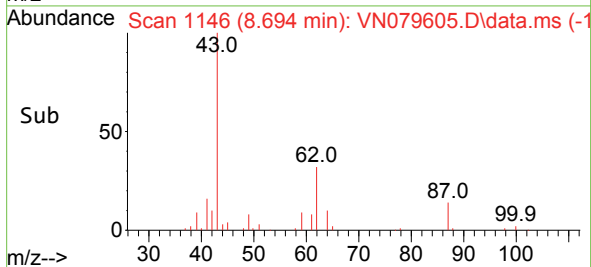
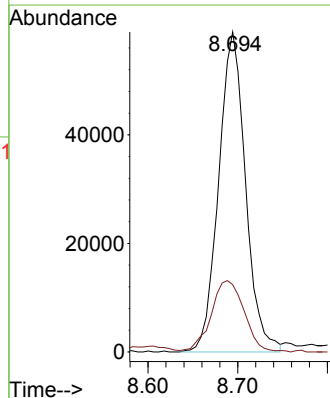
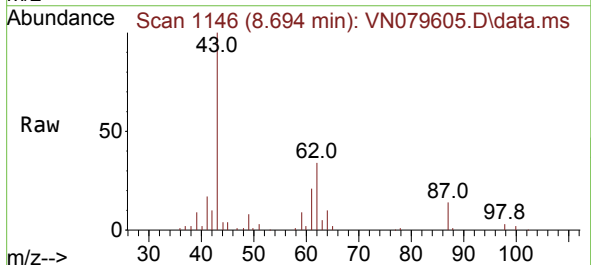
Instrument :  
MSVOA\_N  
ClientSampleId :

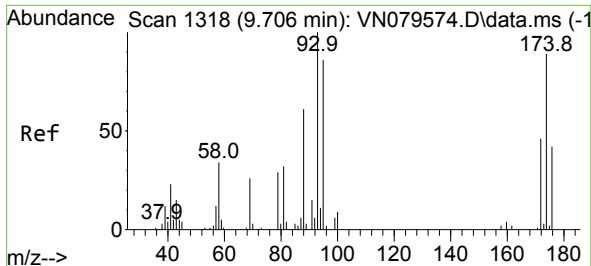
Tgt Ion: 43 Resp: 81532  
Ion Ratio Lower Upper  
43 100  
45 13.6 11.8 17.8



#44  
Isopropyl Acetate  
Concen: 17.566 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 43 Resp: 122710  
Ion Ratio Lower Upper  
43 100  
61 27.3 20.3 30.5

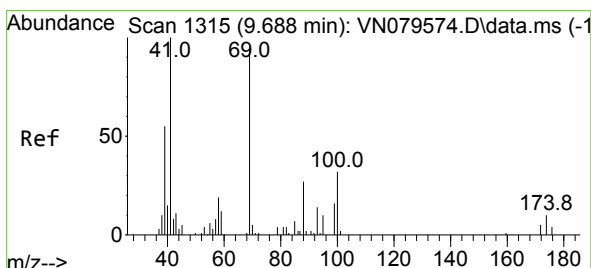
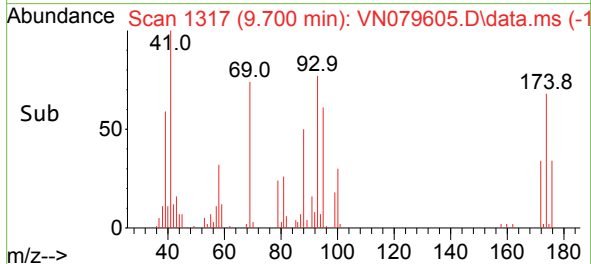
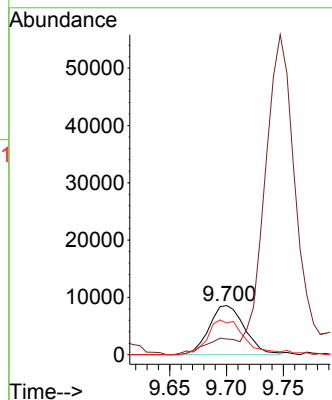
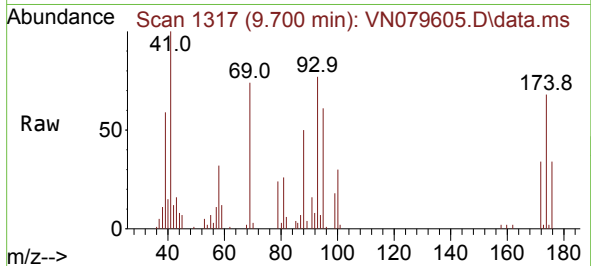




#45  
1,4-Dioxane  
Concen: 341.791 ug/l  
RT: 9.700 min Scan# 1318  
Delta R.T. -0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

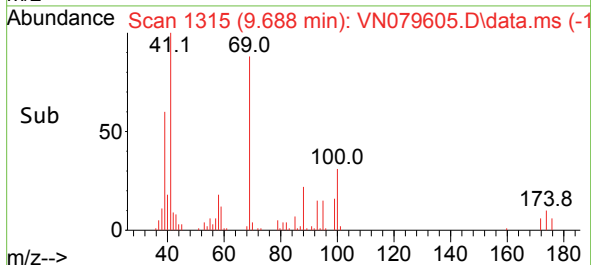
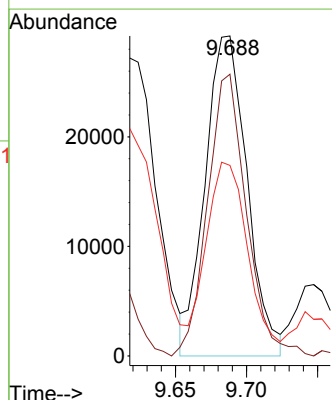
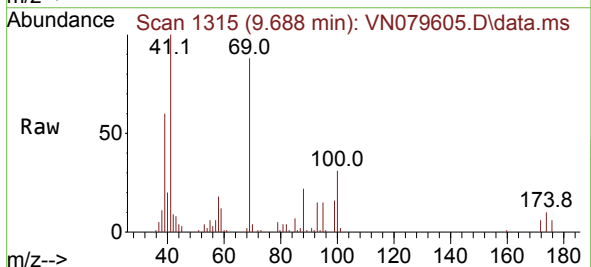
Instrument :  
MSVOA\_N  
ClientSampleId :

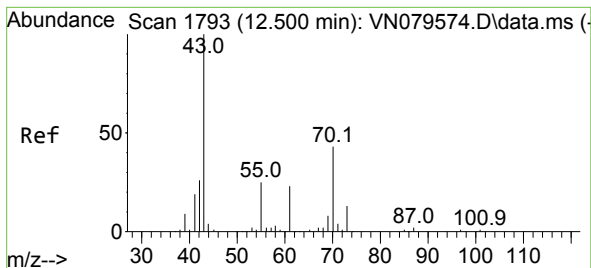
Tgt Ion: 88 Resp: 18690  
Ion Ratio Lower Upper  
88 100  
43 32.8 28.7 43.1  
58 72.3 56.9 85.3



#46  
Methyl methacrylate  
Concen: 19.340 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 41 Resp: 59939  
Ion Ratio Lower Upper  
41 100  
69 91.5 40.0 119.9  
39 59.0 31.1 93.3





#47

n-amyl acetate

Concen: 17.707 ug/l

RT: 12.500 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA\_N

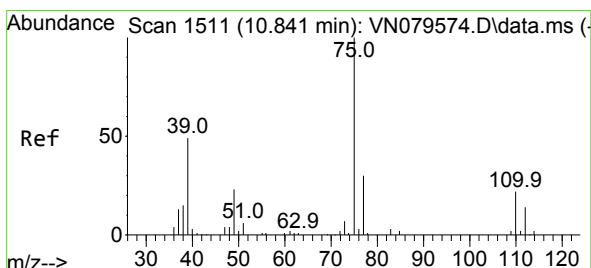
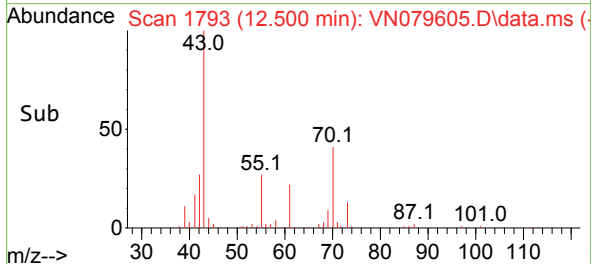
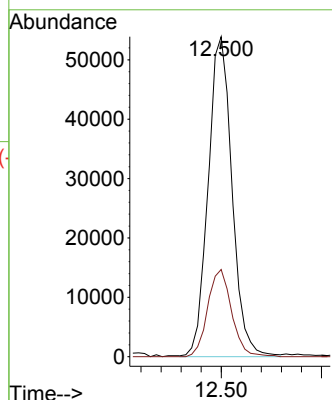
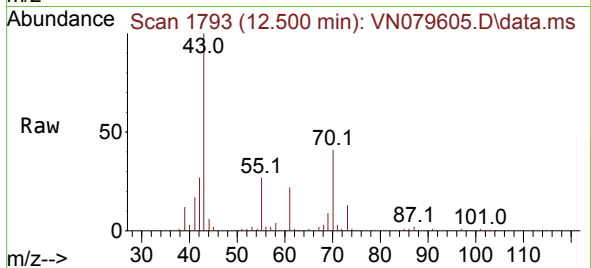
ClientSampleId :

Tgt Ion: 43 Resp: 89276

Ion Ratio Lower Upper

43 100

55 27.3 20.7 31.1



#48

t-1,3-Dichloropropene

Concen: 18.972 ug/l

RT: 10.841 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VN079605.D

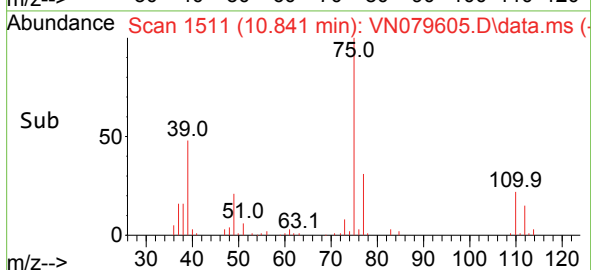
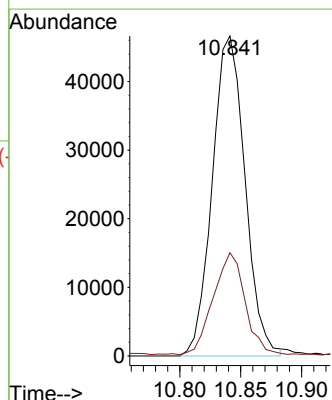
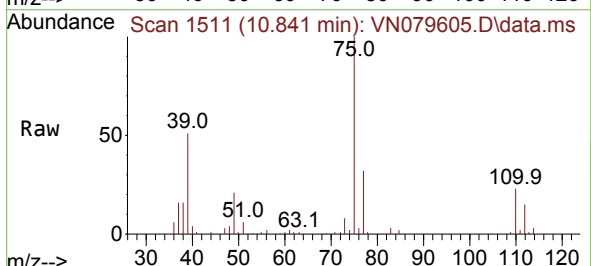
Acq: 18 Oct 2023 17:13

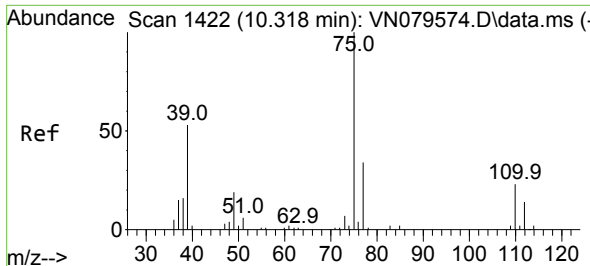
Tgt Ion: 75 Resp: 87198

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

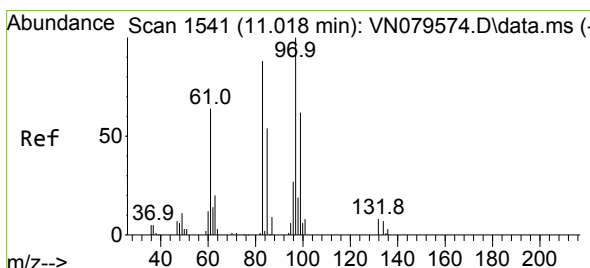
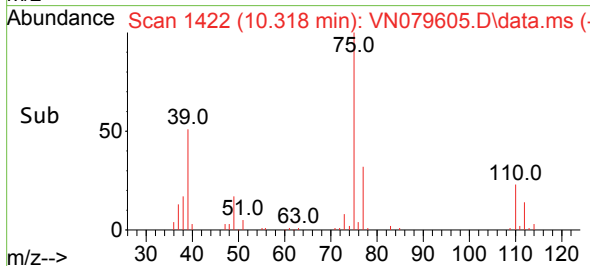
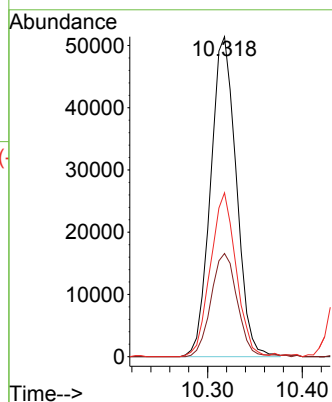
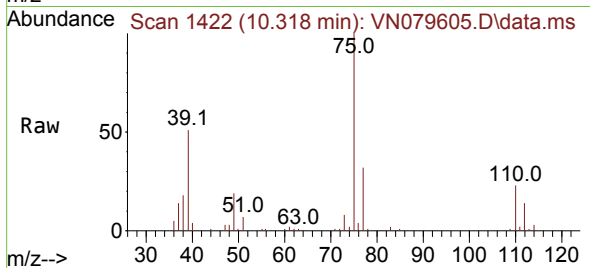




#49  
 cis-1,3-Dichloropropene  
 Concen: 19.253 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

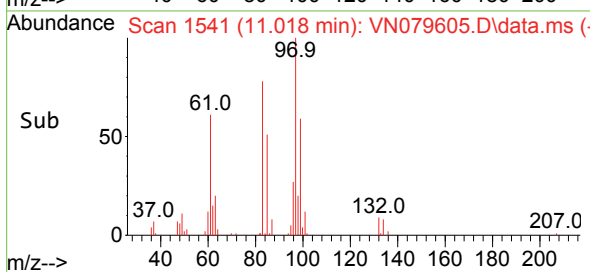
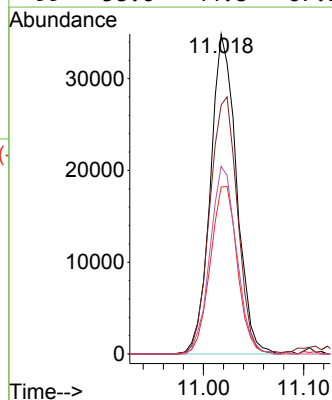
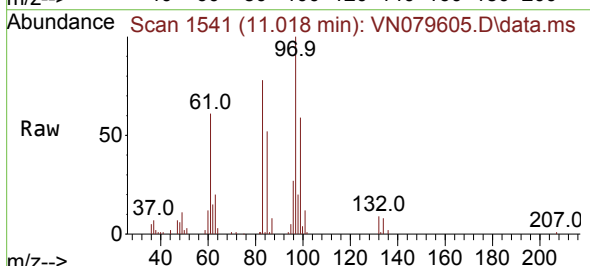
Instrument :  
 MSVOA\_N  
 ClientSampleId :

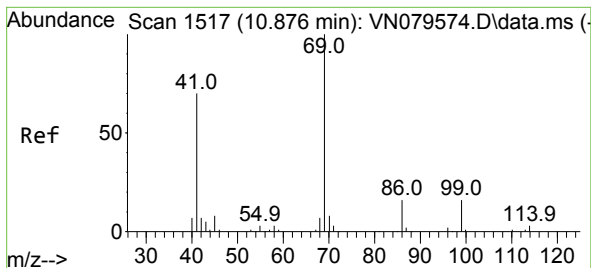
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 96762 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.2  | 25.8  | 38.6  |
| 39       | 51.2  | 42.4  | 63.6  |



#50  
 1,1,2-Trichloroethane  
 Concen: 20.645 ug/l  
 RT: 11.018 min Scan# 1541  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 62832 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 77.4  | 68.2  | 102.4 |
| 85       | 52.1  | 42.9  | 64.3  |
| 99       | 58.6  | 44.8  | 67.2  |

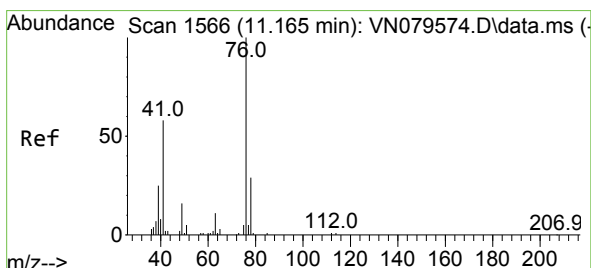
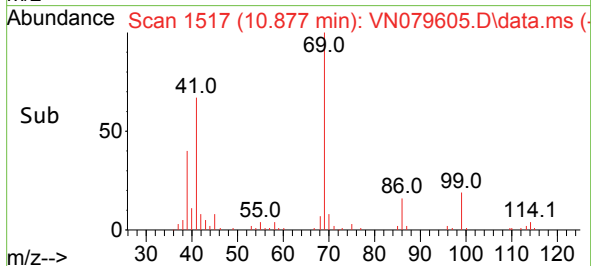
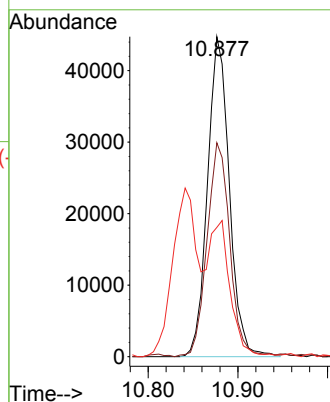
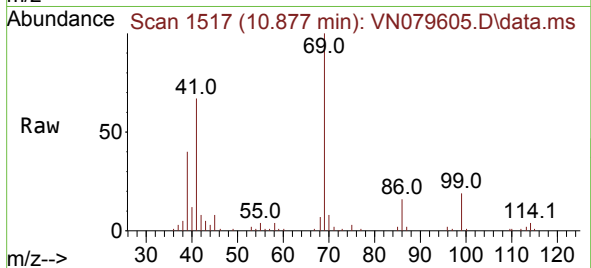




#51  
Ethyl methacrylate  
Concen: 18.049 ug/l  
RT: 10.877 min Scan# 1517  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

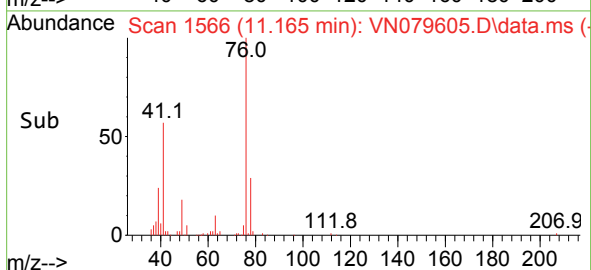
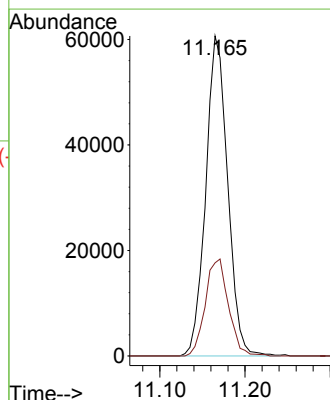
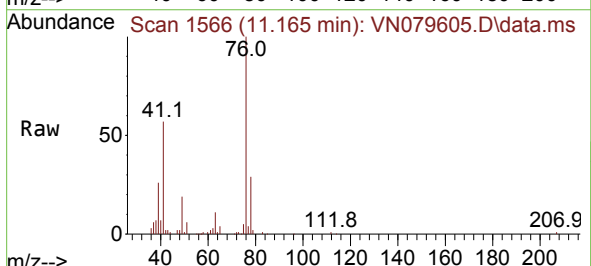
Instrument :  
MSVOA\_N  
ClientSampleId :

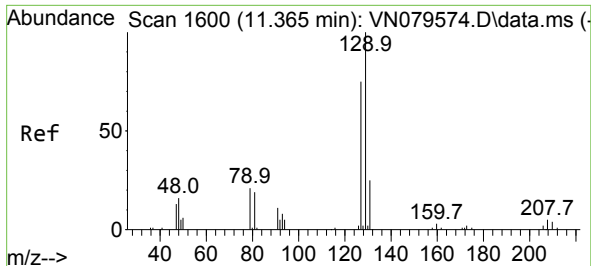
Tgt Ion: 69 Resp: 75787  
Ion Ratio Lower Upper  
69 100  
41 66.3 33.8 101.3  
39 39.8 21.3 63.9



#52  
1,3-Dichloropropane  
Concen: 20.092 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 76 Resp: 108326  
Ion Ratio Lower Upper  
76 100  
78 32.0 0.0 64.0

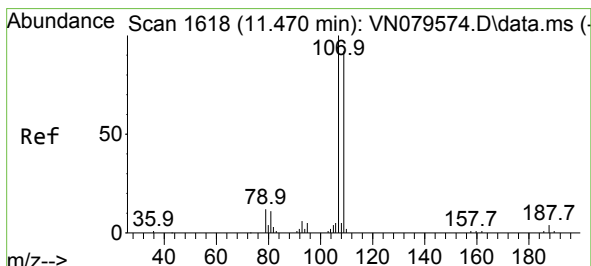
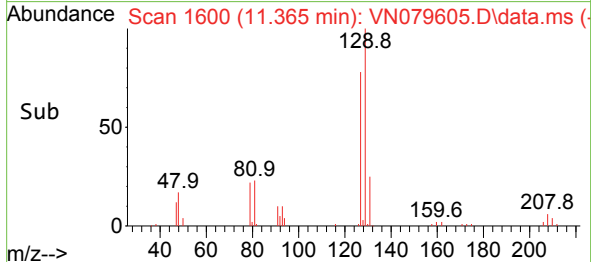
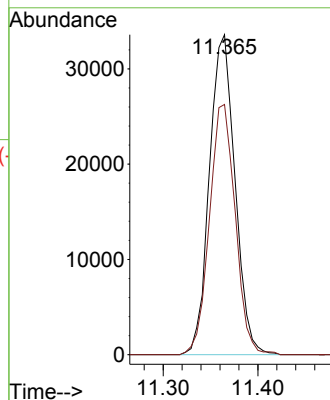
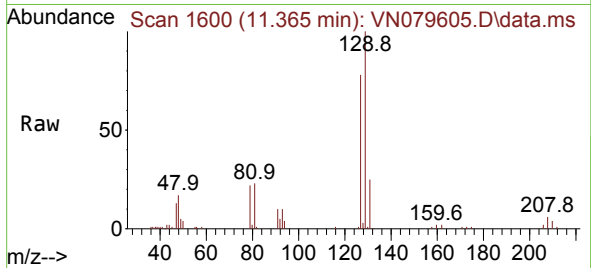




#53  
Dibromochloromethane  
Concen: 20.251 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

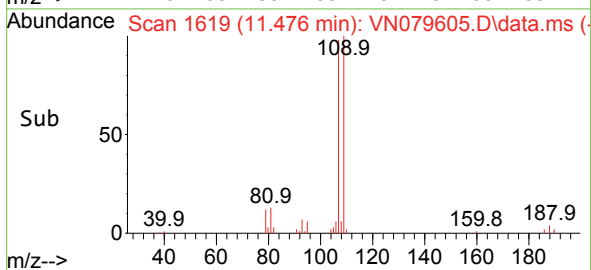
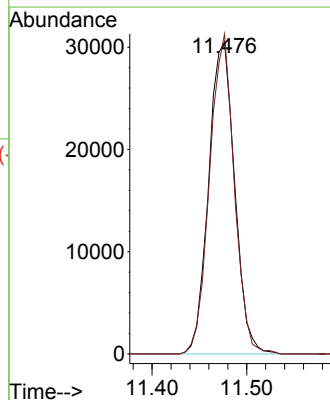
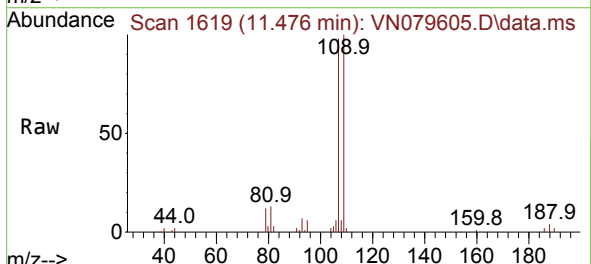
Instrument :  
MSVOA\_N  
ClientSampleId :

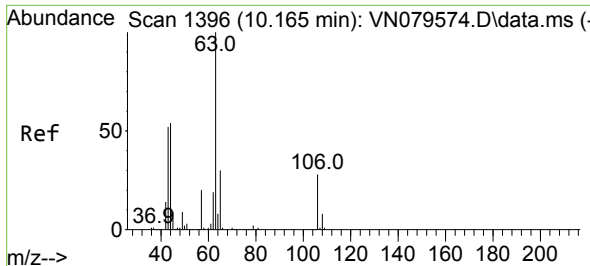
Tgt Ion:129 Resp: 62989  
Ion Ratio Lower Upper  
129 100  
127 78.6 38.8 116.3



#54  
1,2-Dibromoethane  
Concen: 19.387 ug/l  
RT: 11.476 min Scan# 1619  
Delta R.T. 0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

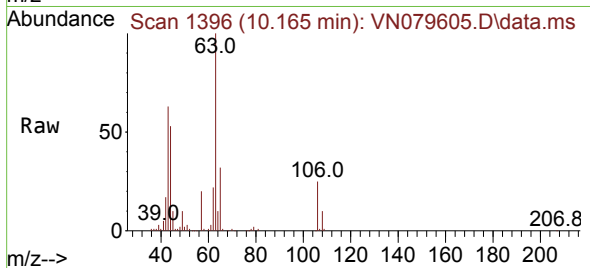
Tgt Ion:107 Resp: 58208  
Ion Ratio Lower Upper  
107 100  
109 97.3 73.2 109.8



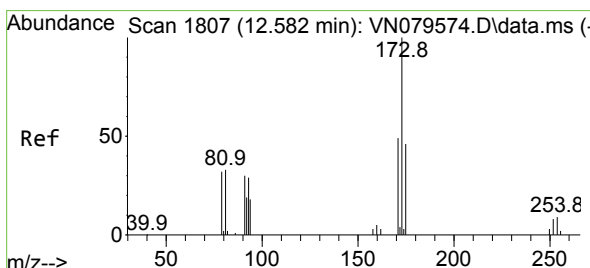
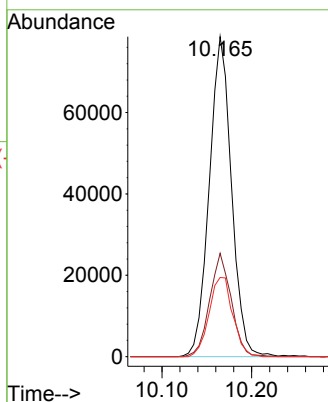
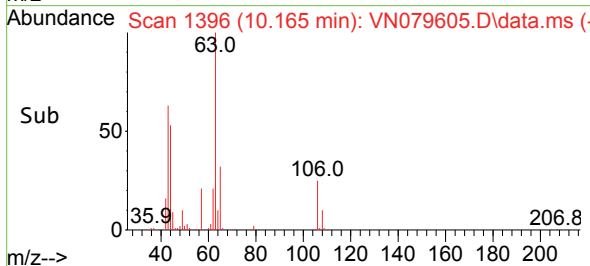


#55  
2-Chloroethyl vinyl ether  
Concen: 84.361 ug/l  
RT: 10.165 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Instrument :  
MSVOA\_N  
ClientSampleId :

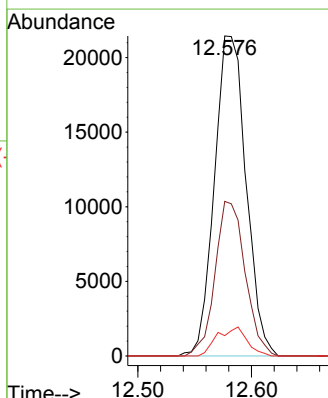
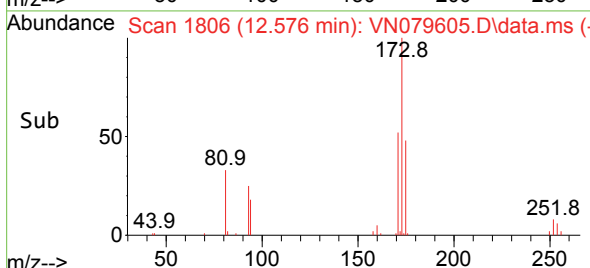
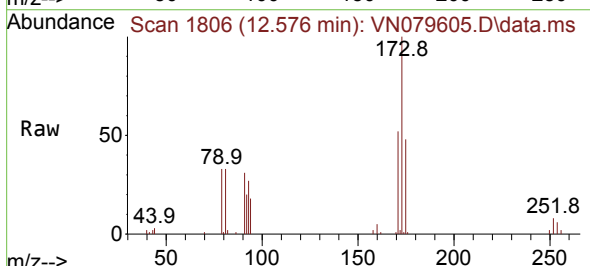


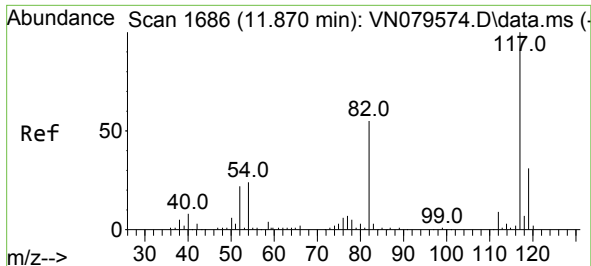
Tgt Ion: 63 Resp: 135149  
Ion Ratio Lower Upper  
63 100  
65 31.4 25.9 38.9  
106 26.5 20.6 30.8



#56  
Bromoform  
Concen: 20.159 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. -0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion:173 Resp: 41482  
Ion Ratio Lower Upper  
173 100  
175 46.0 37.9 56.9  
254 3.4 7.3 10.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA\_N

ClientSampleId :

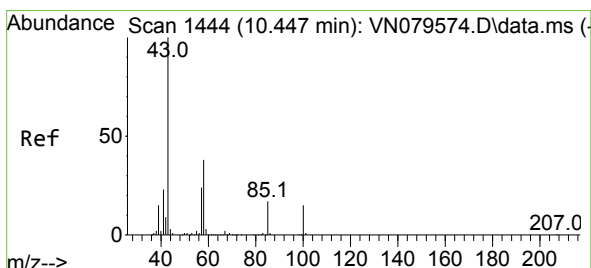
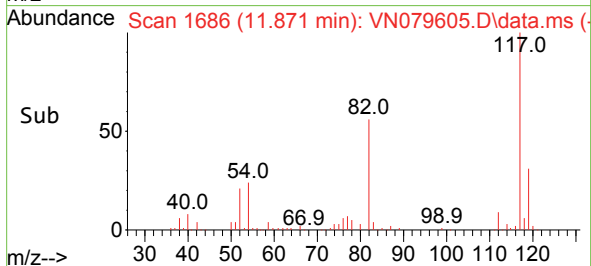
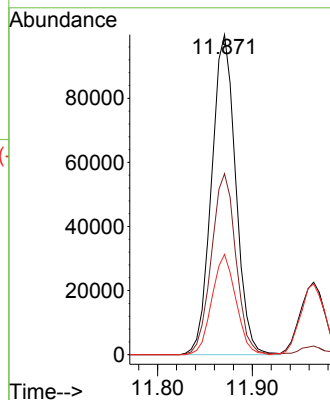
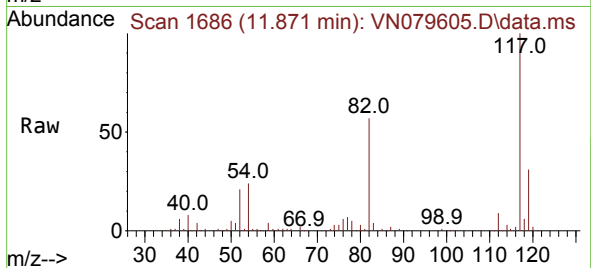
Tgt Ion:117 Resp: 176595

Ion Ratio Lower Upper

117 100

82 57.5 46.2 69.2

119 31.1 25.2 37.8



#58

4-Methyl-2-Pentanone

Concen: 96.252 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

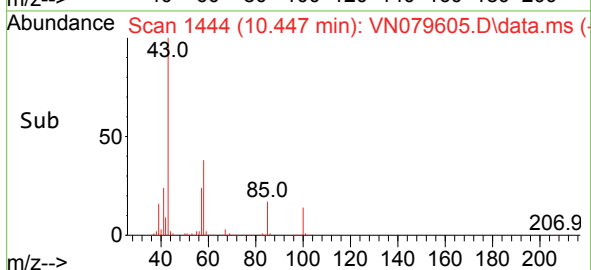
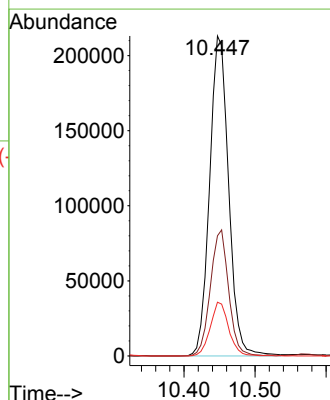
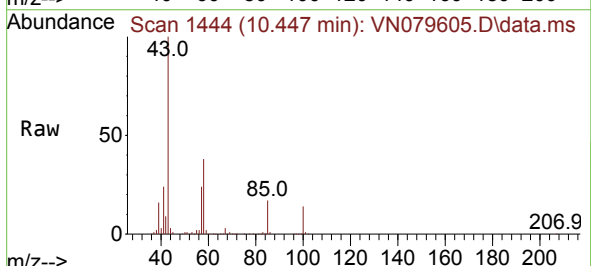
Tgt Ion: 43 Resp: 396461

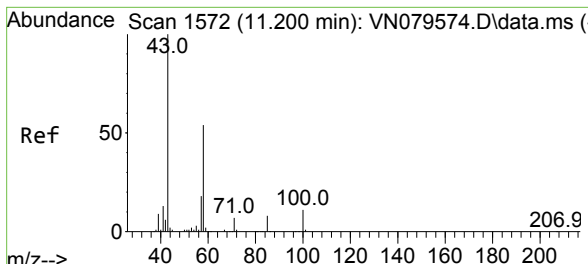
Ion Ratio Lower Upper

43 100

58 37.8 30.4 45.6

85 16.3 13.2 19.8

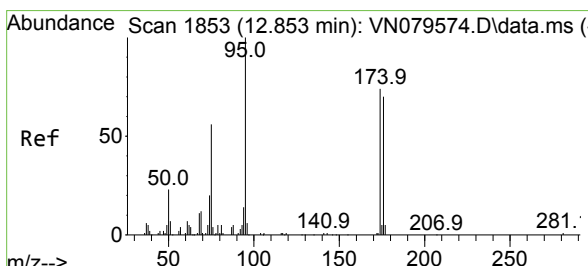
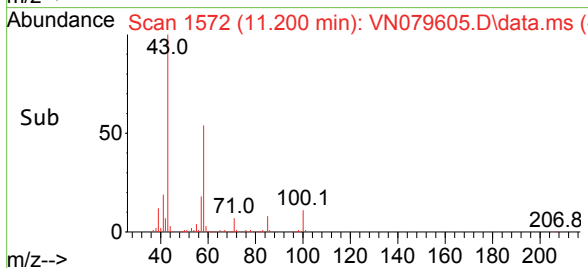
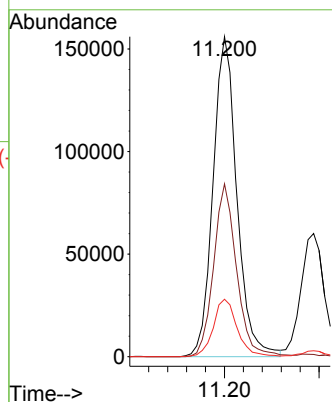
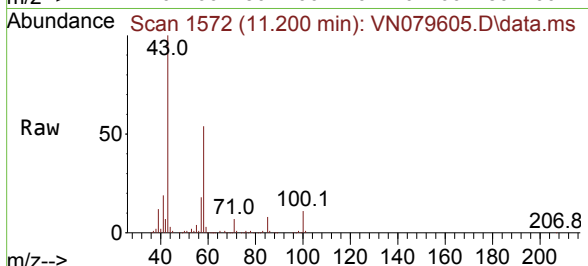




#59  
2-Hexanone  
Concen: 90.493 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

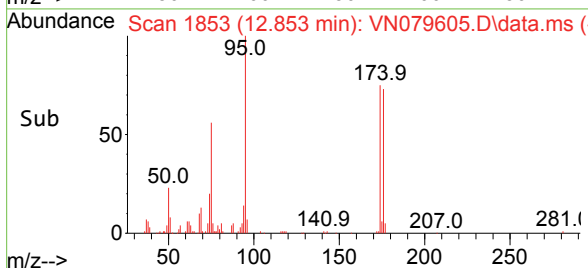
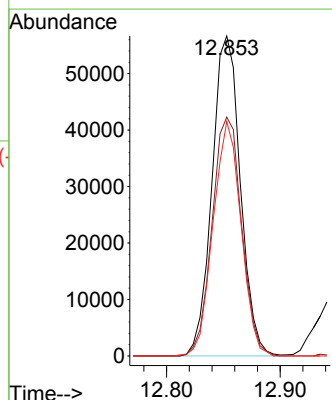
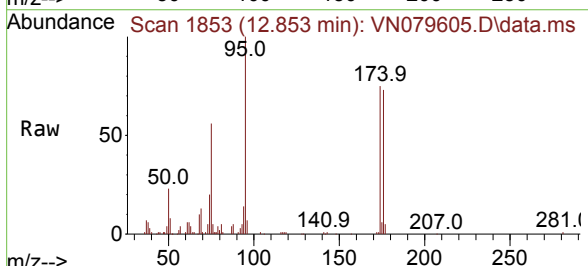
Instrument :  
MSVOA\_N  
ClientSampleId :

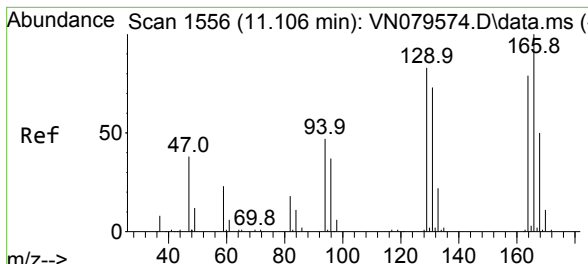
Tgt Ion: 43 Resp: 273456  
Ion Ratio Lower Upper  
43 100  
58 52.0 42.3 63.5  
57 18.1 13.9 20.9



#60  
4-Bromofluorobenzene  
Concen: 30.424 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 95 Resp: 98252  
Ion Ratio Lower Upper  
95 100  
174 77.6 60.5 90.7  
176 72.1 57.2 85.8



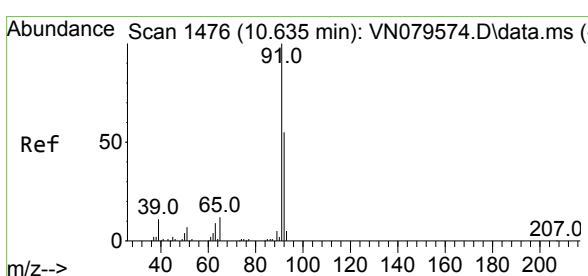
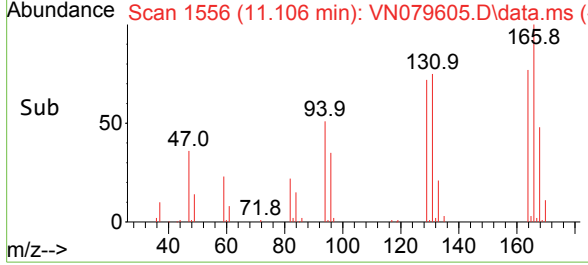
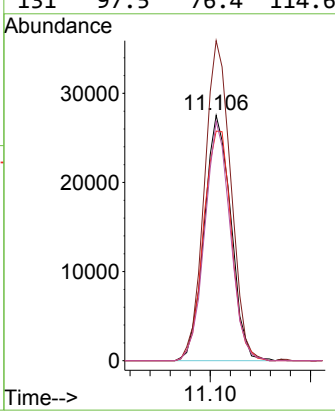
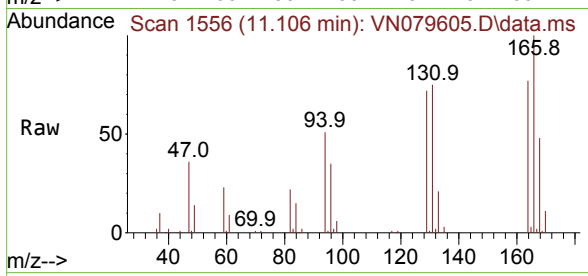


#61  
 Tetrachloroethene  
 Concen: 21.029 ug/l  
 RT: 11.106 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion:164 Resp: 50987

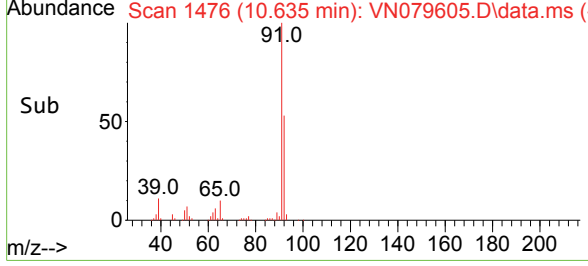
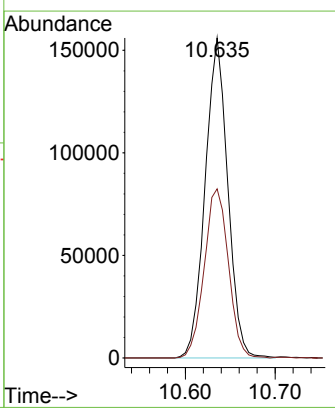
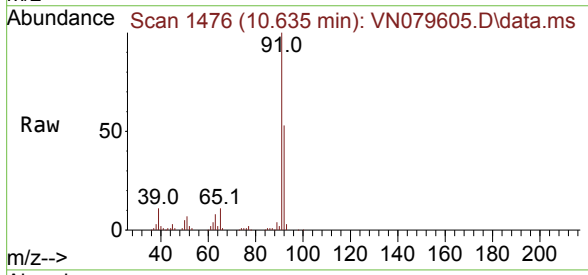
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 130.5 | 98.2  | 147.4 |
| 129 | 93.6  | 75.0  | 112.4 |
| 131 | 97.5  | 76.4  | 114.6 |

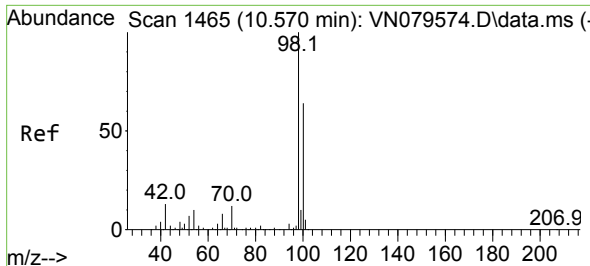


#62  
 Toluene  
 Concen: 20.240 ug/l  
 RT: 10.635 min Scan# 1476  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

Tgt Ion: 91 Resp: 273171

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 56.4  | 45.3  | 67.9  |

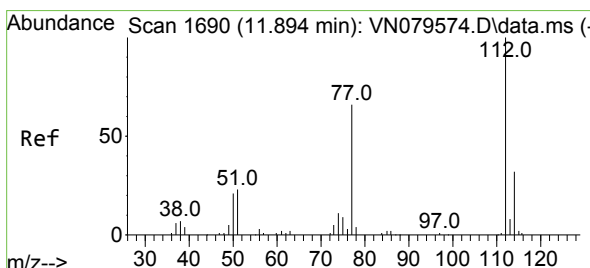
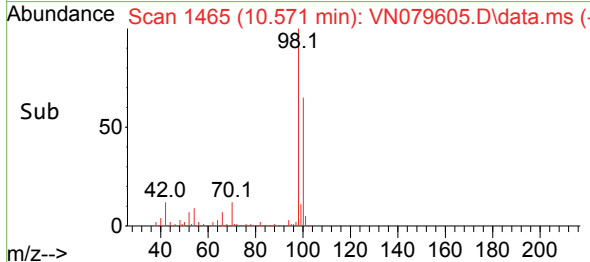
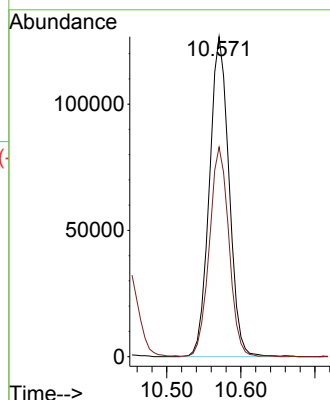
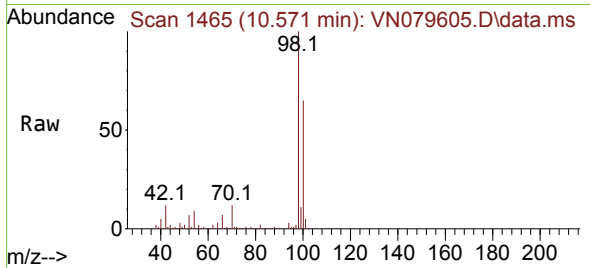




#63  
Toluene-d8  
Concen: 30.743 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

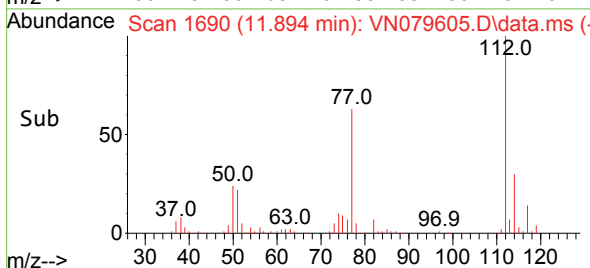
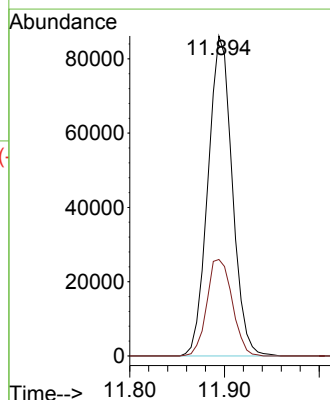
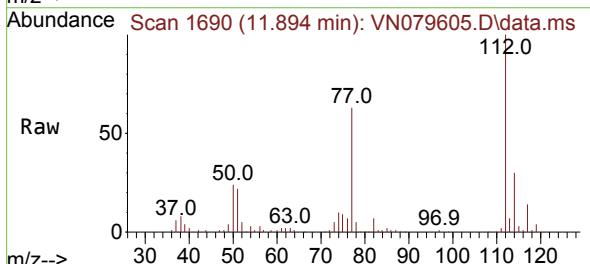
Instrument :  
MSVOA\_N  
ClientSampleId :

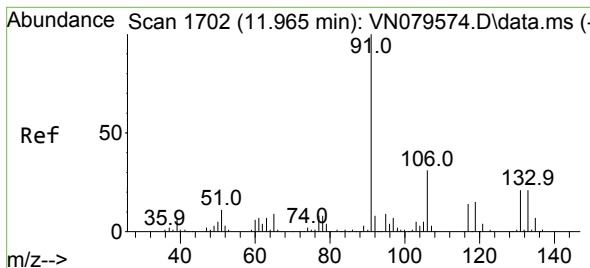
Tgt Ion: 98 Resp: 232637  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.6 77.4



#64  
Chlorobenzene  
Concen: 19.561 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 112 Resp: 153121  
Ion Ratio Lower Upper  
112 100  
114 30.2 28.1 42.1

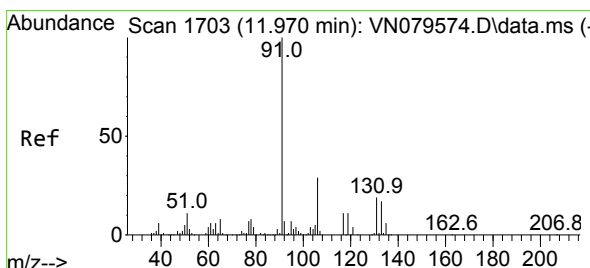
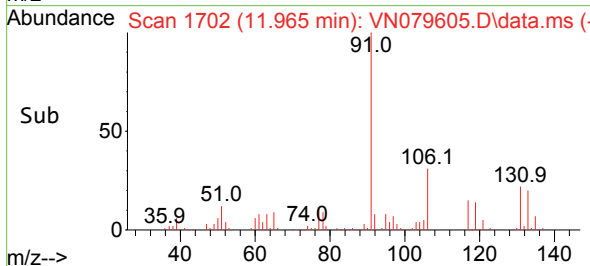
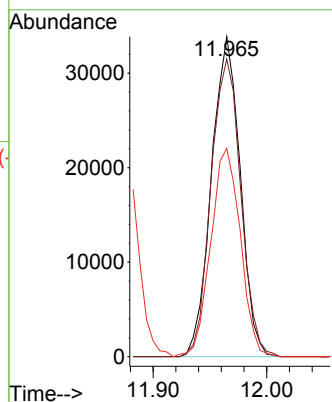
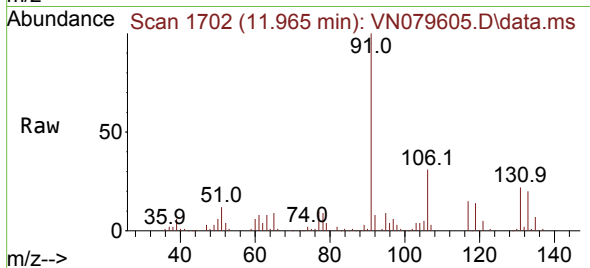




#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 20.004 ug/l  
 RT: 11.965 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

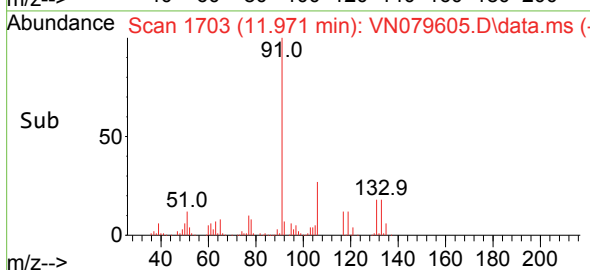
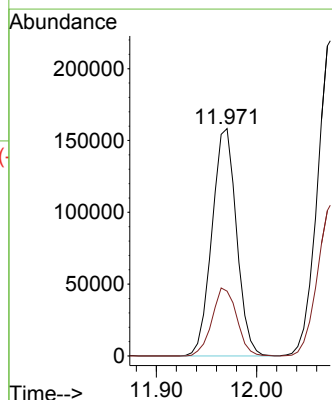
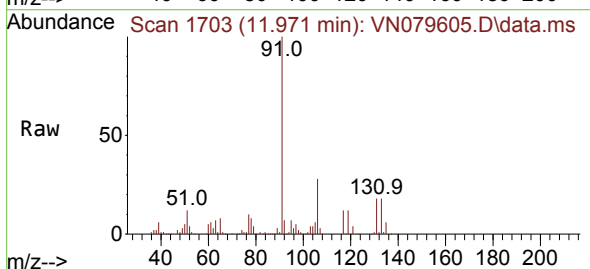
Instrument :  
 MSVOA\_N  
 ClientSampleId :

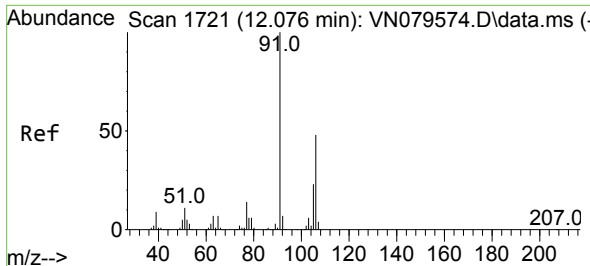
Tgt Ion:131 Resp: 59647  
 Ion Ratio Lower Upper  
 131 100  
 133 96.3 0.0 196.0  
 119 66.9 0.0 135.6



#66  
 Ethyl Benzene  
 Concen: 19.400 ug/l  
 RT: 11.971 min Scan# 1703  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

Tgt Ion: 91 Resp: 269780  
 Ion Ratio Lower Upper  
 91 100  
 106 28.5 23.8 35.8

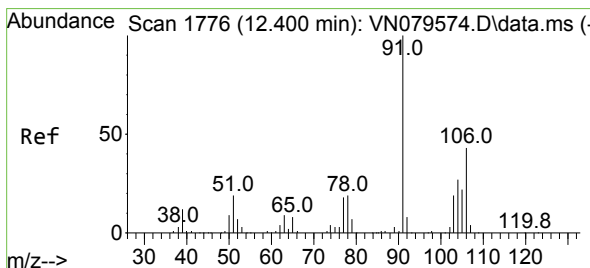
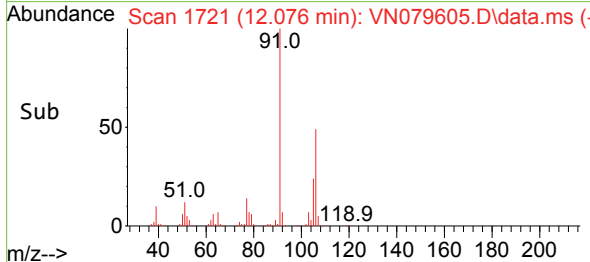
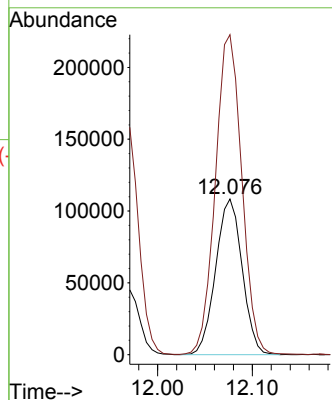
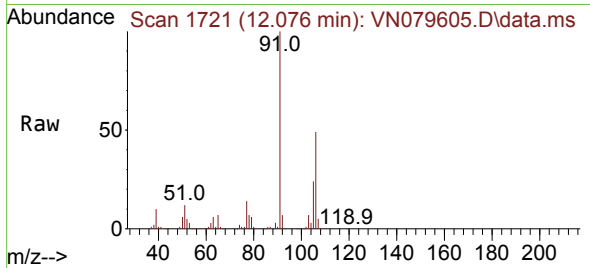




#67  
m/p-Xylenes  
Concen: 40.980 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

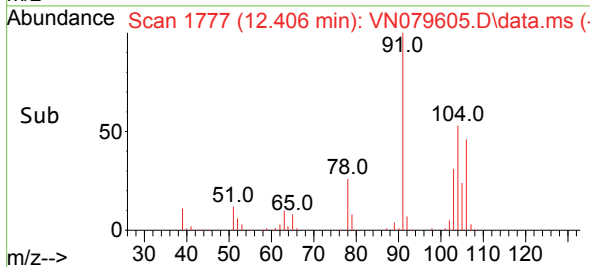
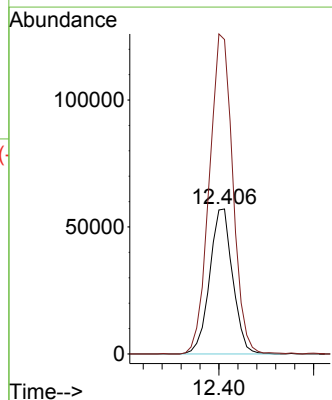
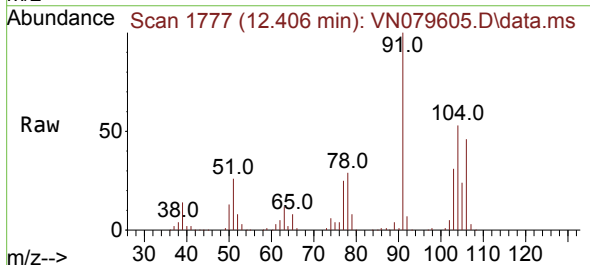
Instrument :  
MSVOA\_N  
ClientSampleId :

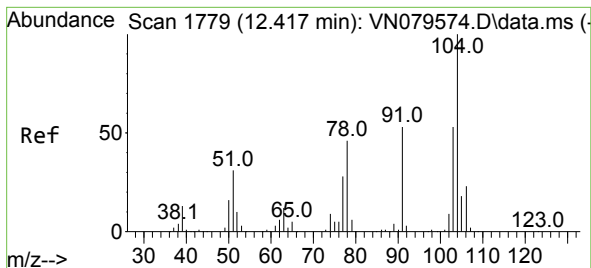
Tgt Ion:106 Resp: 210771  
Ion Ratio Lower Upper  
106 100  
91 205.7 161.8 242.6



#68  
o-Xylene  
Concen: 19.596 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. 0.006 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion:106 Resp: 96352  
Ion Ratio Lower Upper  
106 100  
91 224.9 109.9 329.7





#69

Styrene

Concen: 20.286 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA\_N

ClientSampleId :

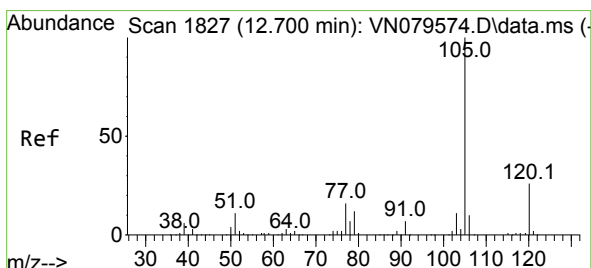
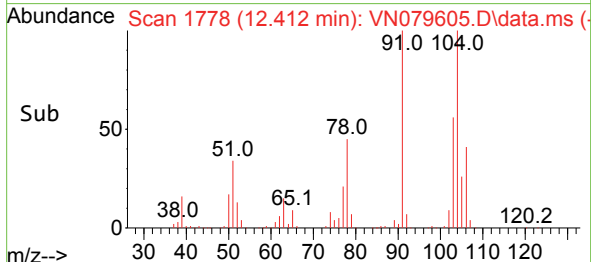
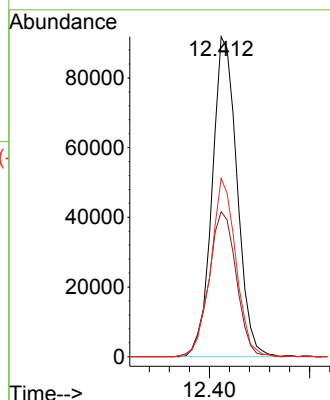
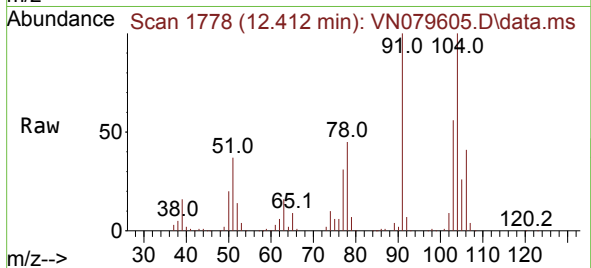
Tgt Ion:104 Resp: 158343

Ion Ratio Lower Upper

104 100

78 49.9 41.2 61.8

103 56.6 43.1 64.7



#70

Isopropylbenzene

Concen: 19.826 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.000 min

Lab File: VN079605.D

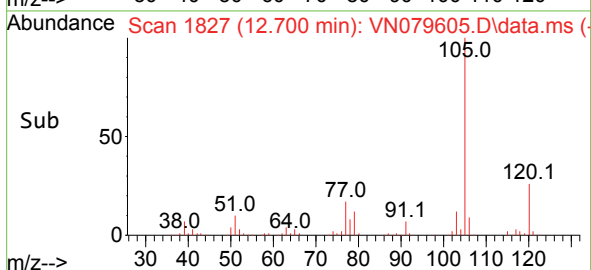
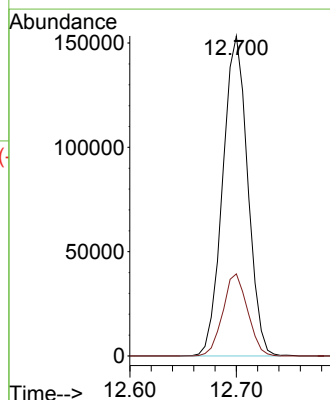
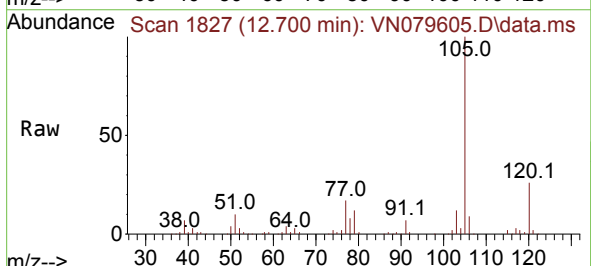
Acq: 18 Oct 2023 17:13

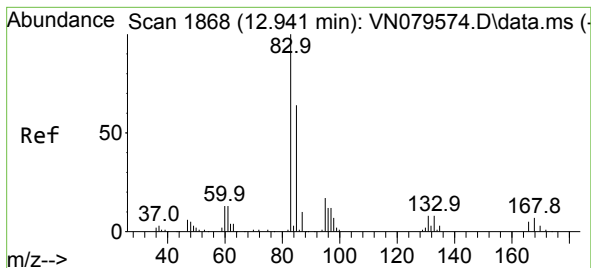
Tgt Ion:105 Resp: 250167

Ion Ratio Lower Upper

105 100

120 25.4 18.1 33.5

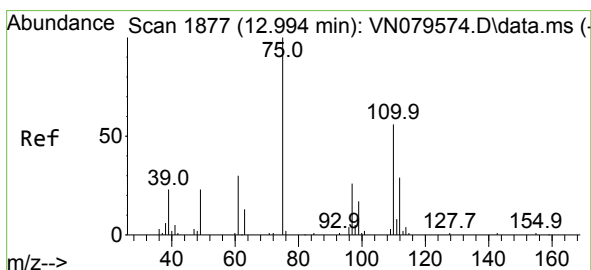
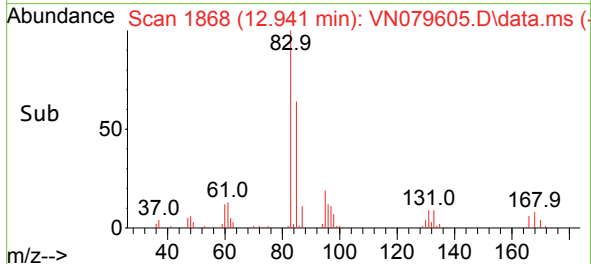
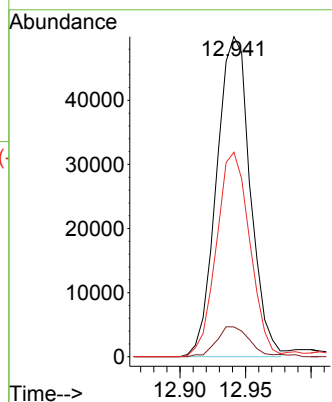
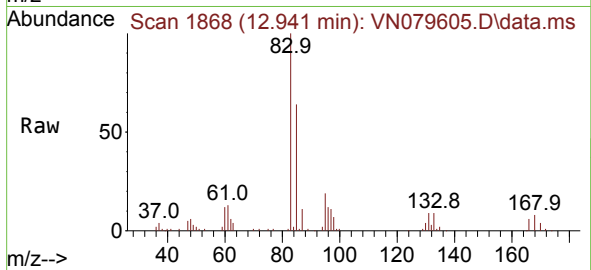




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 19.845 ug/l  
 RT: 12.941 min Scan# 1868  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

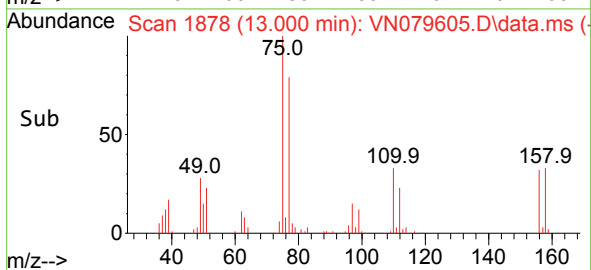
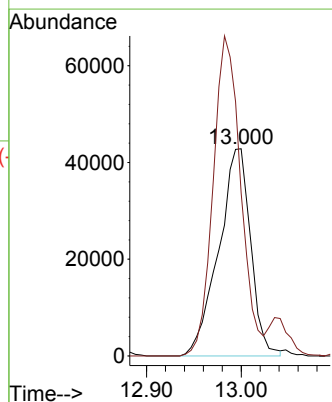
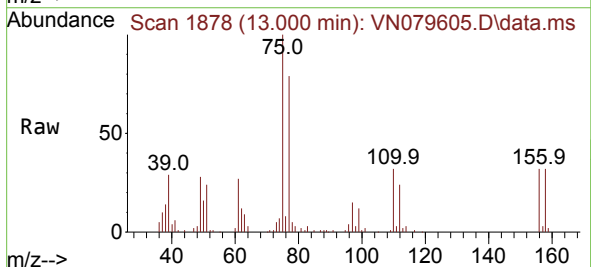
Instrument :  
 MSVOA\_N  
 ClientSampleId :

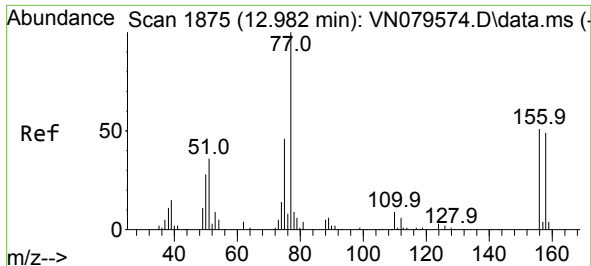
Tgt Ion: 83 Resp: 89040  
 Ion Ratio Lower Upper  
 83 100  
 131 9.4 4.5 13.4  
 85 63.4 32.1 96.3



#72  
 1,2,3-Trichloropropane  
 Concen: 24.701 ug/l  
 RT: 13.000 min Scan# 1878  
 Delta R.T. 0.006 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

Tgt Ion: 75 Resp: 100643  
 Ion Ratio Lower Upper  
 75 100  
 77 132.7 0.0 338.2

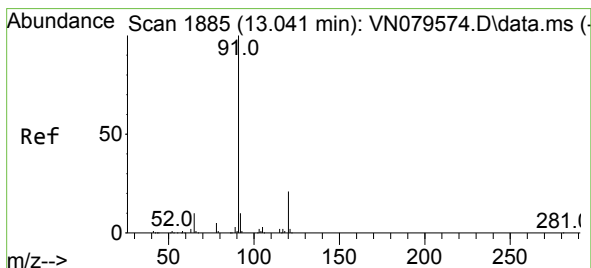
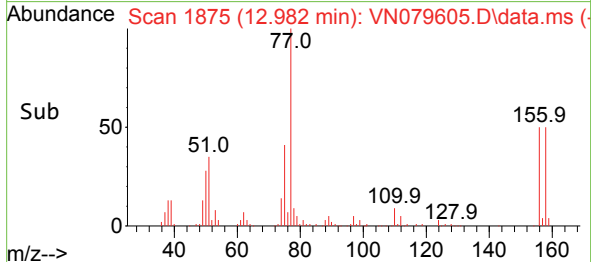
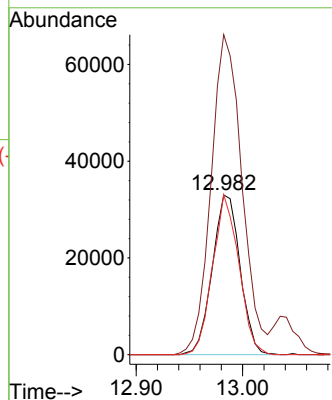
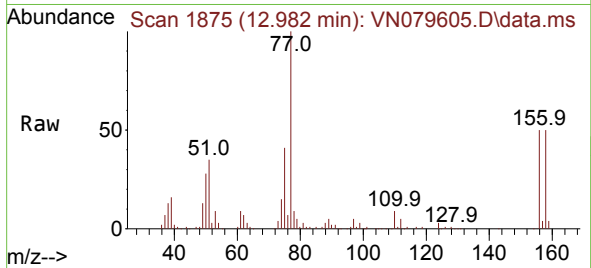




#73  
Bromobenzene  
Concen: 20.155 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

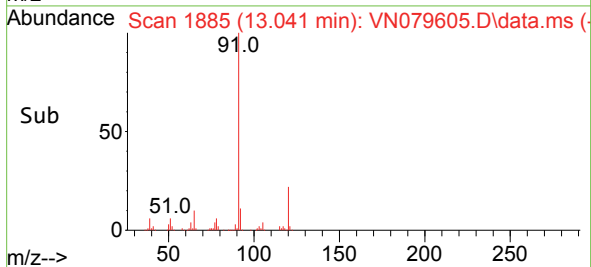
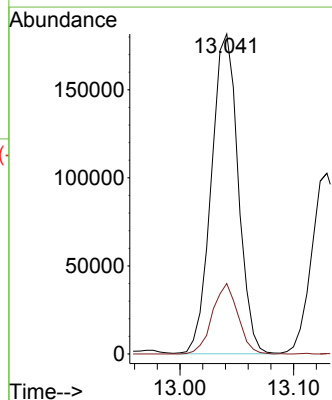
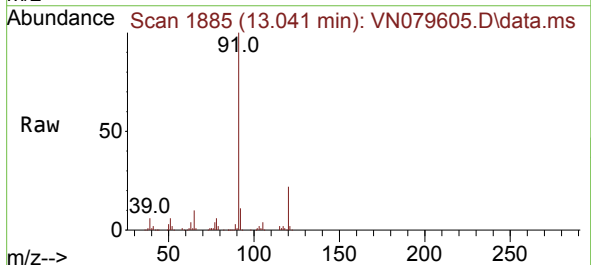
Instrument :  
MSVOA\_N  
ClientSampleId :

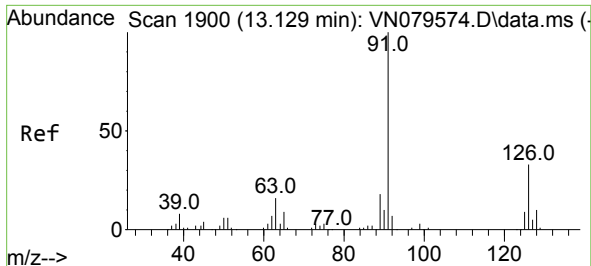
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 223.5 | 0.0   | 448.2 |
| 158     | 94.8  | 0.0   | 194.8 |



#74  
n-propylbenzene  
Concen: 20.319 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 20.9  | 0.0   | 42.0  |

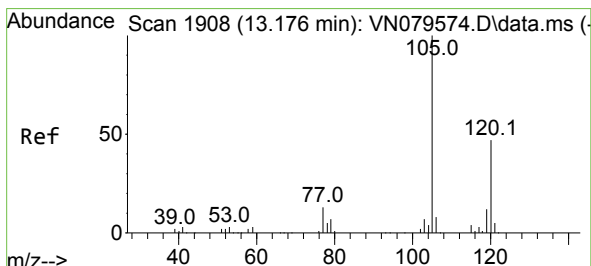
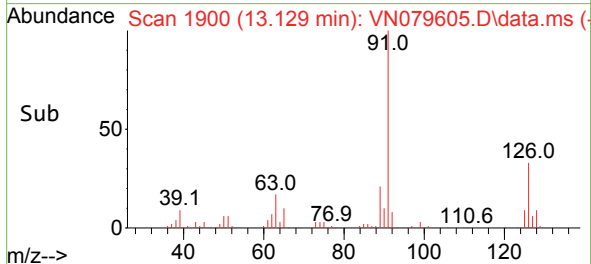
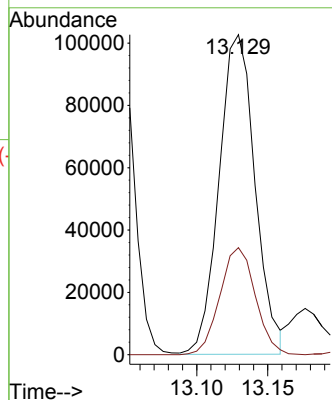
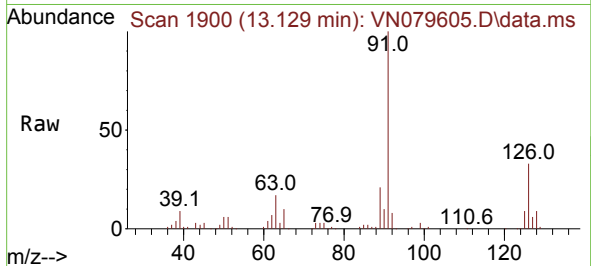




#75  
2-Chlorotoluene  
Concen: 19.786 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

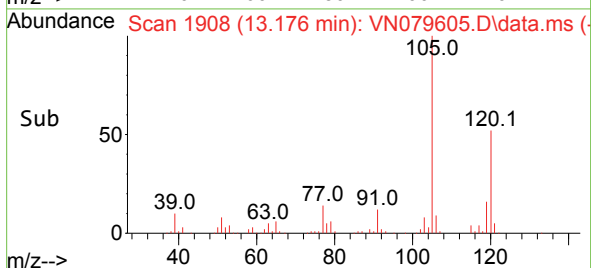
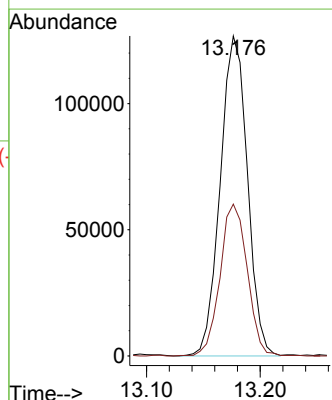
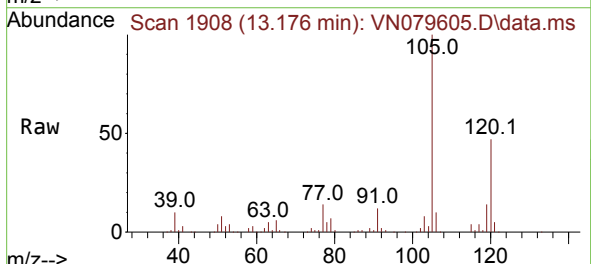
Instrument :  
MSVOA\_N  
ClientSampleId :

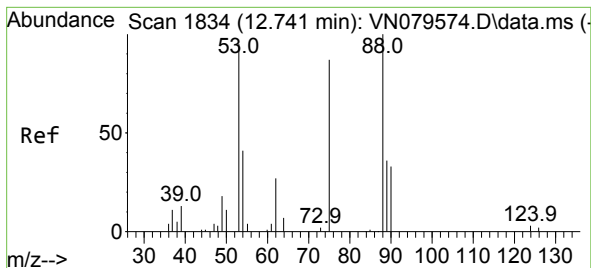
Tgt Ion: 91 Resp: 180700  
Ion Ratio Lower Upper  
91 100  
126 33.0 0.0 64.6



#76  
1,3,5-Trimethylbenzene  
Concen: 20.406 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion:105 Resp: 210492  
Ion Ratio Lower Upper  
105 100  
120 47.4 0.0 93.2

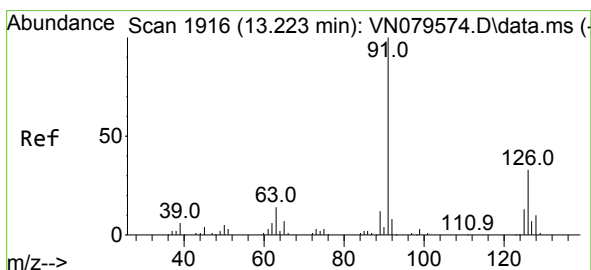
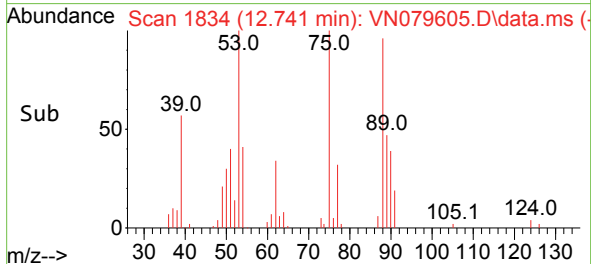
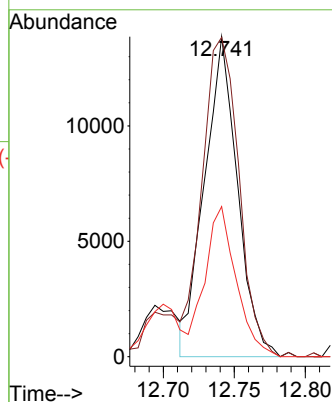
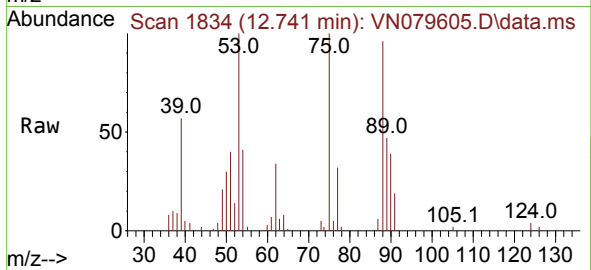




#77  
t-1,4-Dichloro-2-butene  
Concen: 17.949 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

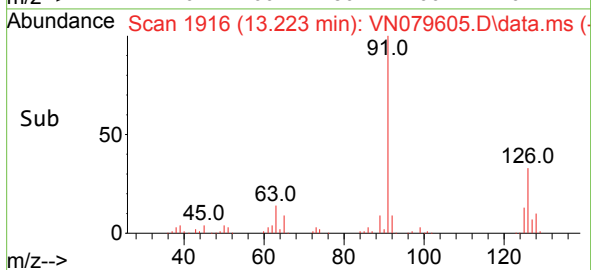
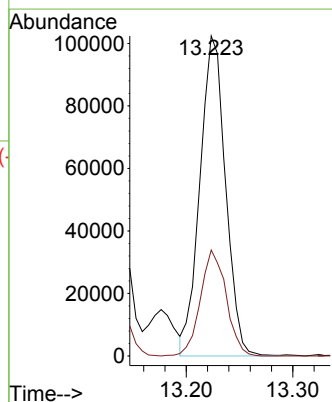
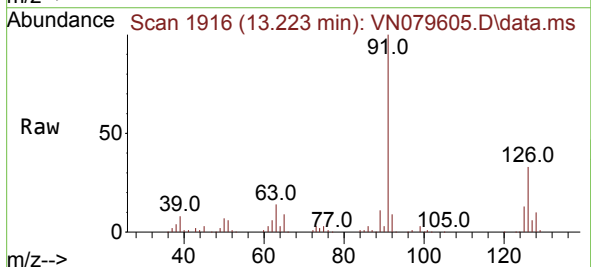
Instrument :  
MSVOA\_N  
ClientSampleId :

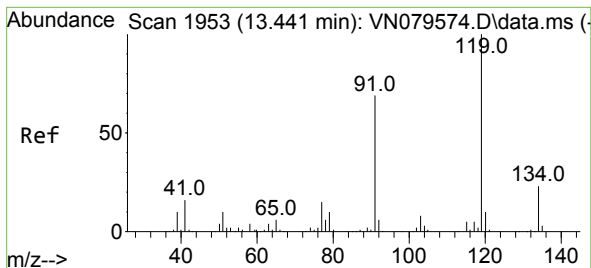
Tgt Ion: 75 Resp: 22320  
Ion Ratio Lower Upper  
75 100  
53 99.8 53.0 159.1  
89 46.9 22.6 67.7



#78  
4-Chlorotoluene  
Concen: 19.845 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 91 Resp: 171240  
Ion Ratio Lower Upper  
91 100  
126 33.3 0.0 65.4

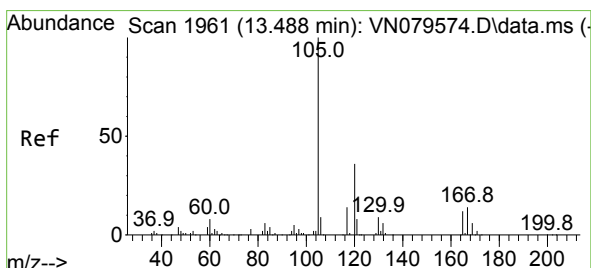
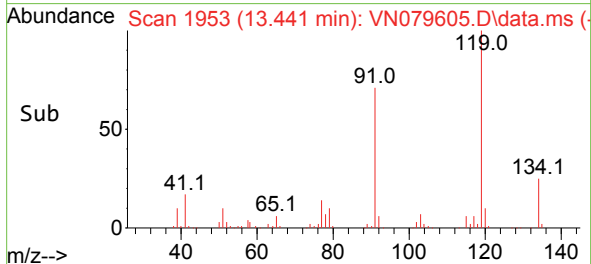
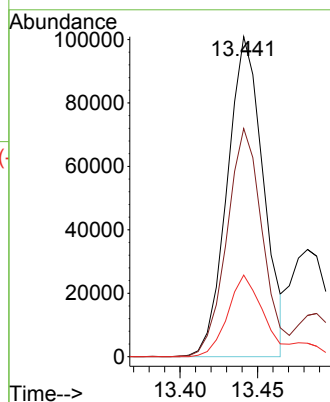
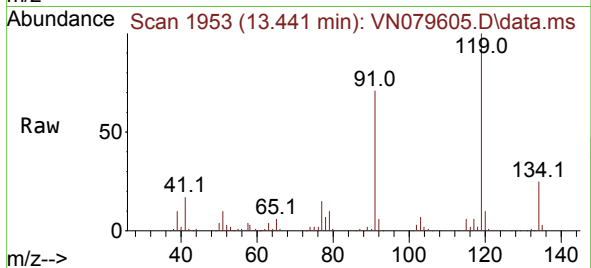




#79  
tert-butylbenzene  
Concen: 19.721 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

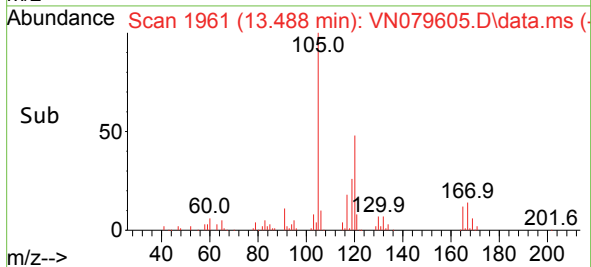
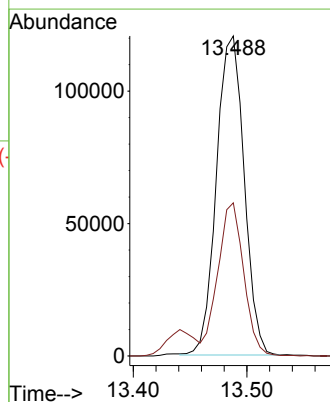
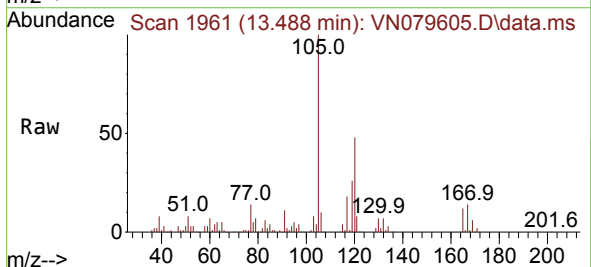
Instrument :  
MSVOA\_N  
ClientSampleId :

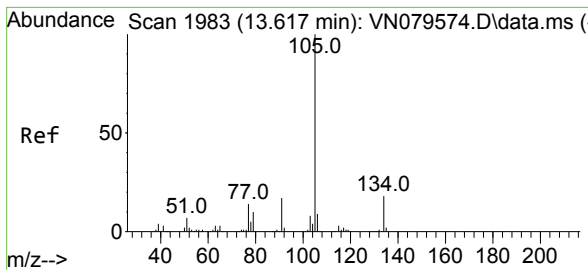
Tgt Ion:119 Resp: 163555  
Ion Ratio Lower Upper  
119 100  
91 70.9 0.0 140.6  
134 25.2 0.0 49.8



#80  
1,2,4-Trimethylbenzene  
Concen: 20.432 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion:105 Resp: 204220  
Ion Ratio Lower Upper  
105 100  
120 44.9 0.0 88.6

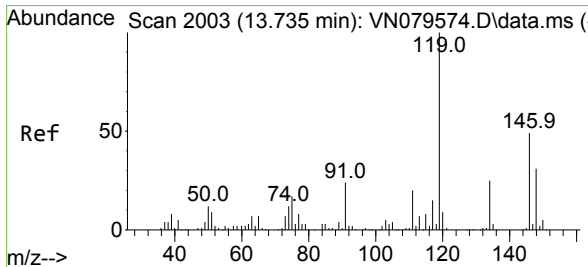
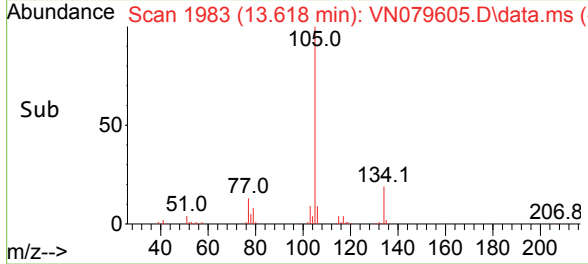
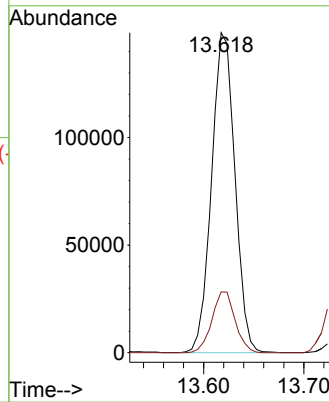
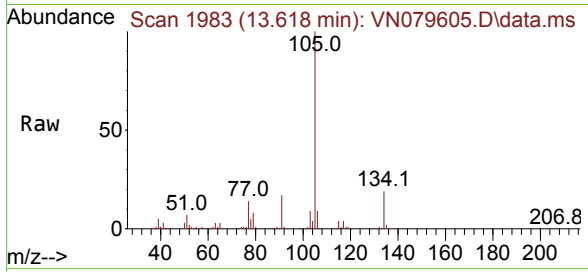




#81  
 sec-Butylbenzene  
 Concen: 20.681 ug/l  
 RT: 13.618 min Scan# 1983  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

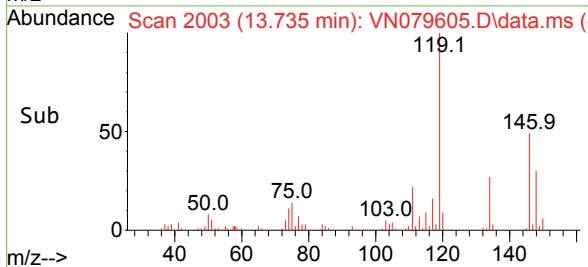
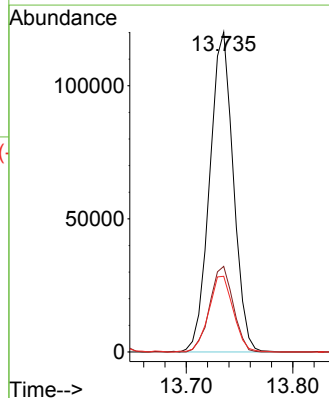
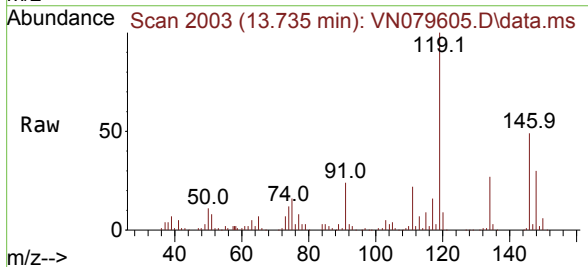
Instrument :  
 MSVOA\_N  
 ClientSampleId :

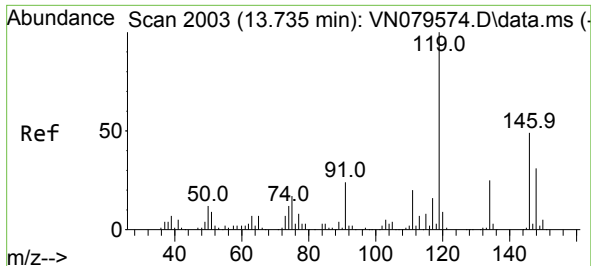
Tgt Ion:105 Resp: 240786  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 0.0 38.2



#82  
 p-Isopropyltoluene  
 Concen: 20.071 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

Tgt Ion:119 Resp: 185372  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 0.0 52.2  
 91 24.7 0.0 50.0

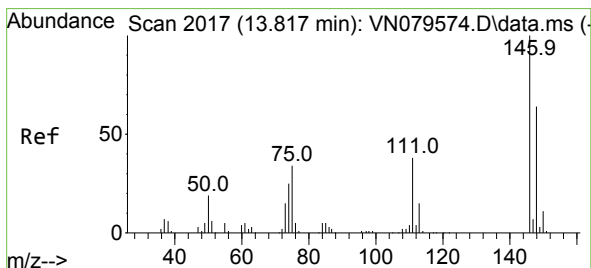
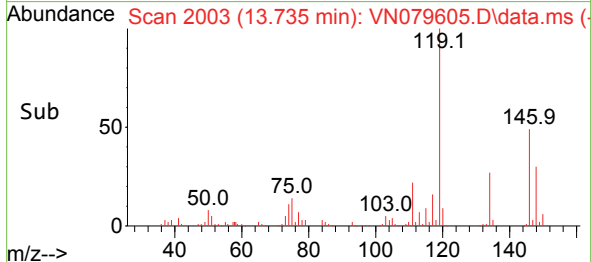
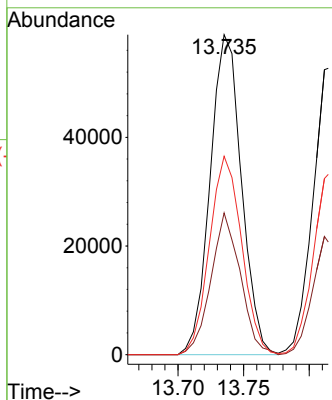
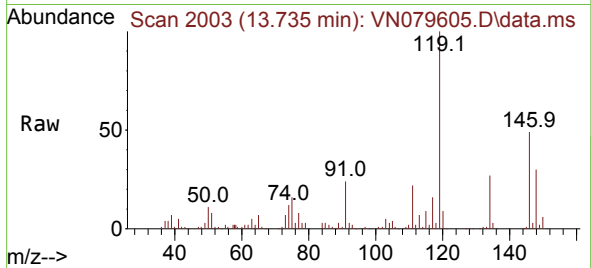




#83  
 1,3-Dichlorobenzene  
 Concen: 20.078 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

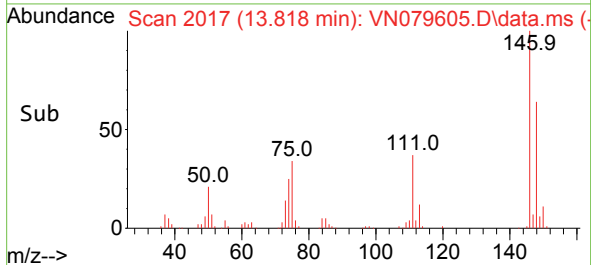
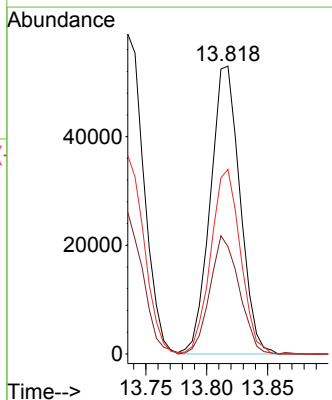
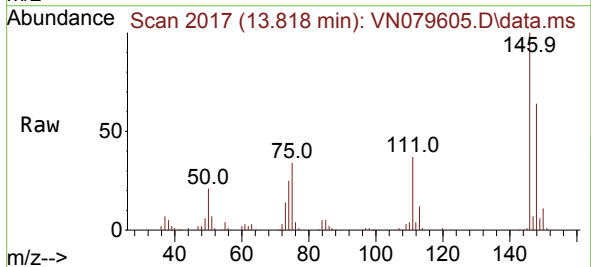
Instrument :  
 MSVOA\_N  
 ClientSampleId :

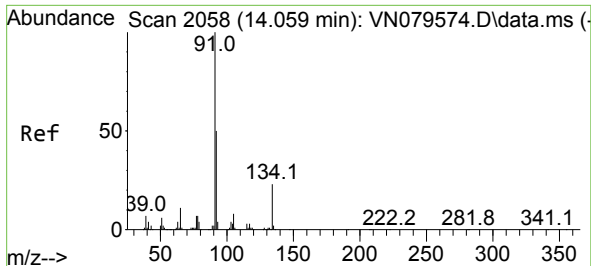
Tgt Ion:146 Resp: 97865  
 Ion Ratio Lower Upper  
 146 100  
 111 41.7 21.0 63.0  
 148 63.7 32.4 97.0



#84  
 1,4-Dichlorobenzene  
 Concen: 19.256 ug/l  
 RT: 13.818 min Scan# 2017  
 Delta R.T. 0.000 min  
 Lab File: VN079605.D  
 Acq: 18 Oct 2023 17:13

Tgt Ion:146 Resp: 89981  
 Ion Ratio Lower Upper  
 146 100  
 111 40.4 19.9 59.7  
 148 64.0 32.6 97.7

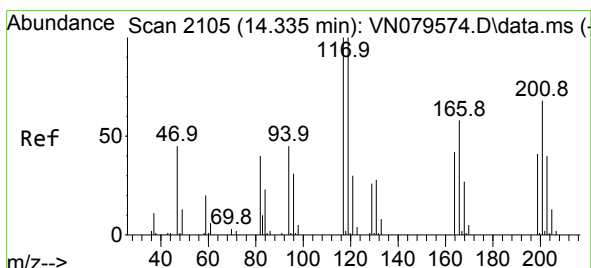
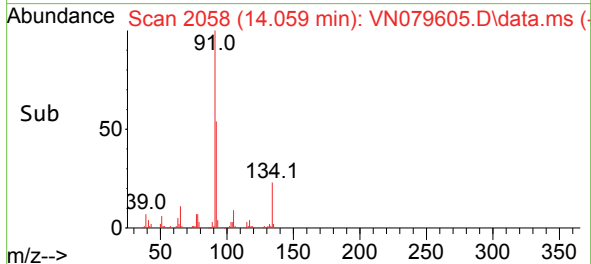
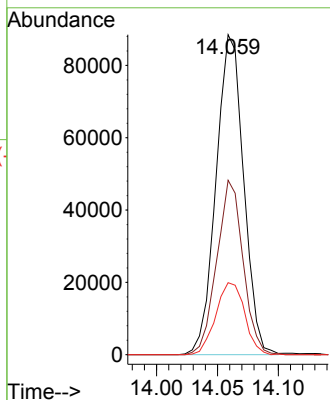
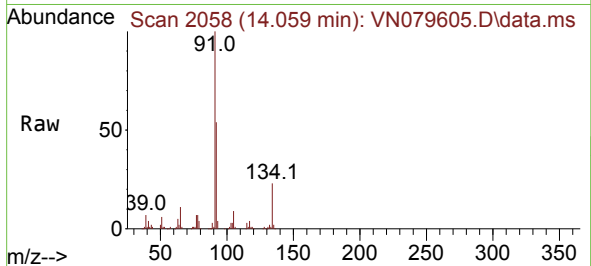




#85  
n-Butylbenzene  
Concen: 19.348 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

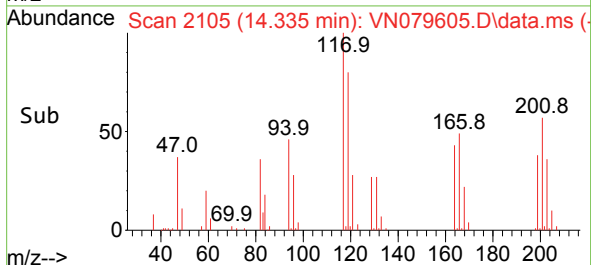
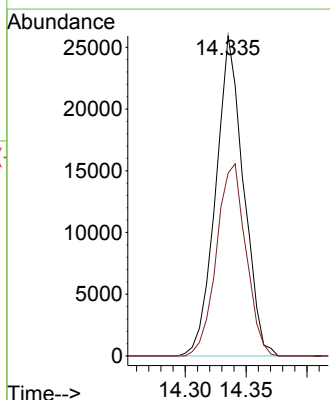
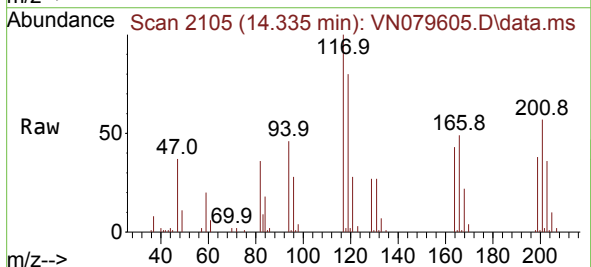
Instrument :  
MSVOA\_N  
ClientSampleId :

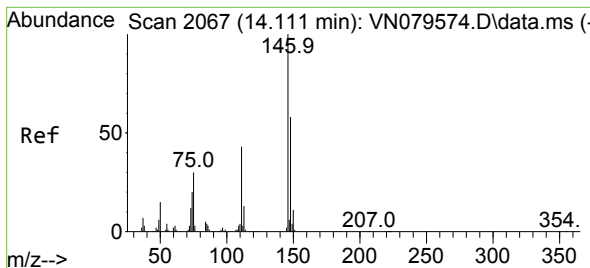
Tgt Ion: 91 Resp: 139614  
Ion Ratio Lower Upper  
91 100  
92 51.9 0.0 99.6  
134 23.5 0.0 46.2



#86  
Hexachloroethane  
Concen: 20.638 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: VN079605.D  
Acq: 18 Oct 2023 17:13

Tgt Ion: 117 Resp: 41207  
Ion Ratio Lower Upper  
117 100  
201 63.4 32.5 97.5





#87

1,2-Dichlorobenzene

Concen: 19.843 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA\_N

ClientSampleId :

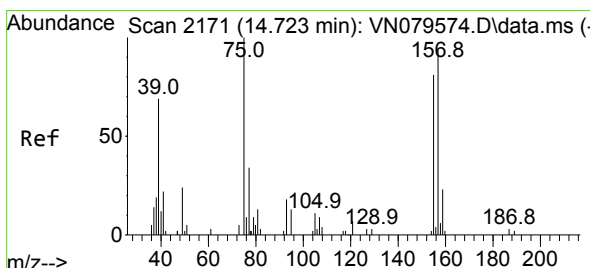
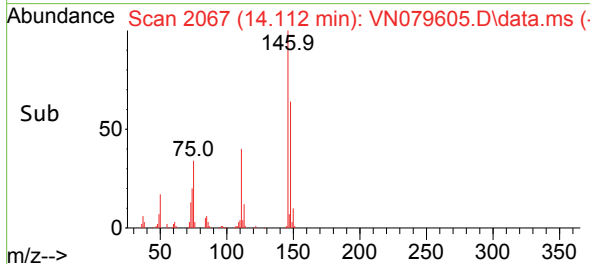
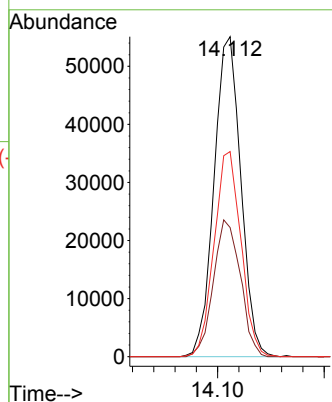
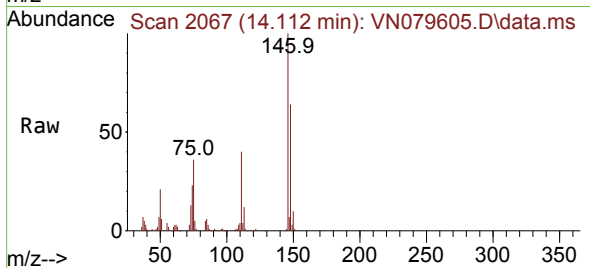
Tgt Ion:146 Resp: 96136

Ion Ratio Lower Upper

146 100

111 43.0 22.0 66.0

148 64.2 31.1 93.5



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.034 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

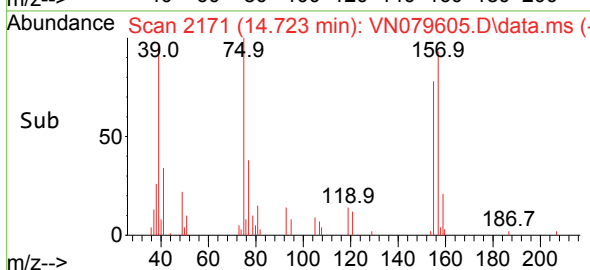
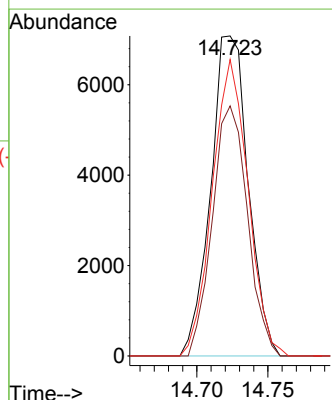
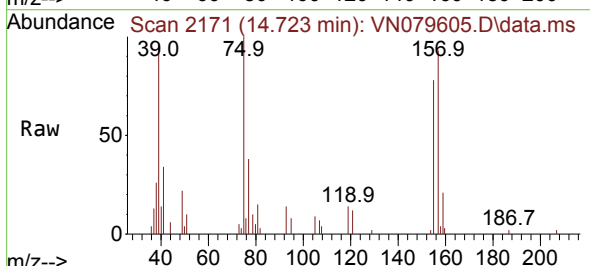
Tgt Ion: 75 Resp: 13013

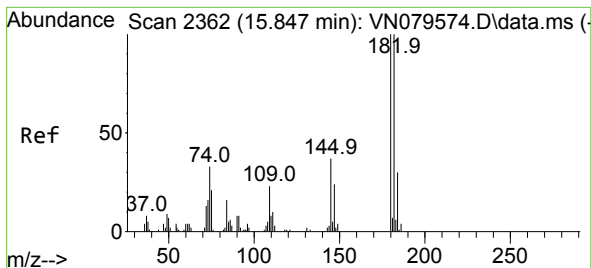
Ion Ratio Lower Upper

75 100

155 73.2 60.7 91.1

157 88.1 76.8 115.2





#89

1,2,4-Trichlorobenzene

Concen: 16.656 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA\_N

ClientSampleId :

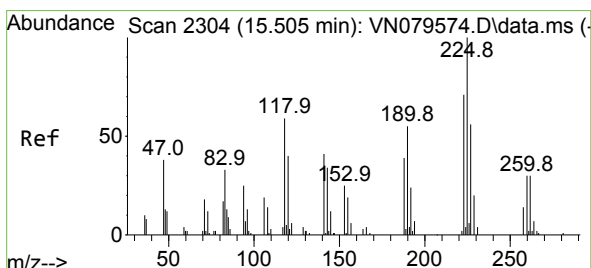
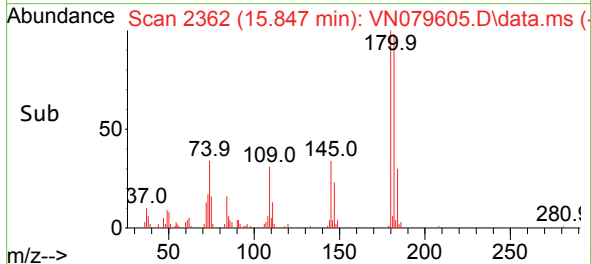
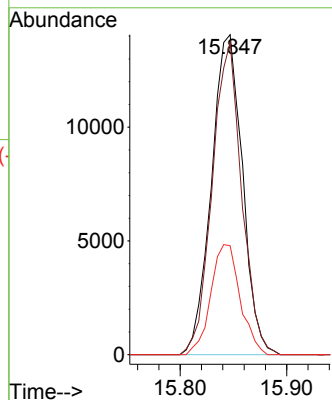
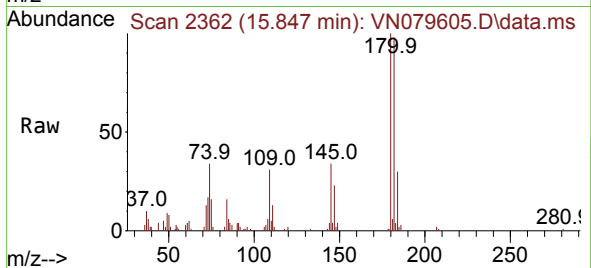
Tgt Ion:180 Resp: 28442

Ion Ratio Lower Upper

180 100

182 92.6 74.2 111.4

145 32.5 25.4 38.2



#90

Hexachlorobutadiene

Concen: 19.744 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

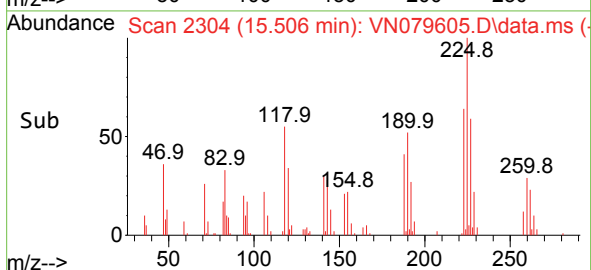
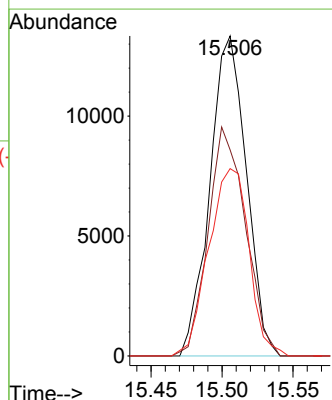
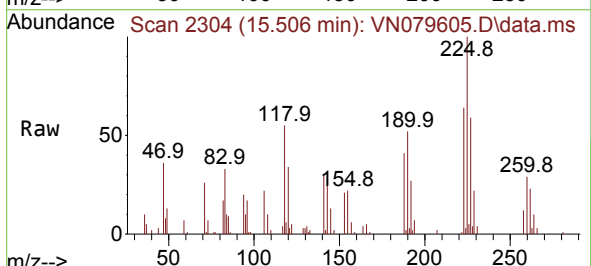
Tgt Ion:225 Resp: 23882

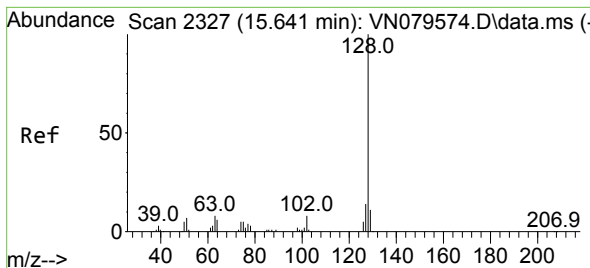
Ion Ratio Lower Upper

225 100

223 73.0 0.0 126.0

227 64.6 0.0 127.0





#91

Naphthalene

Concen: 12.633 ug/l

RT: 15.647 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN079605.D

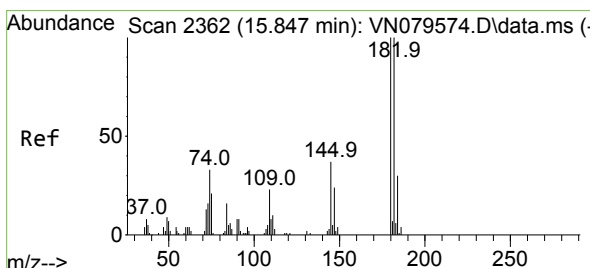
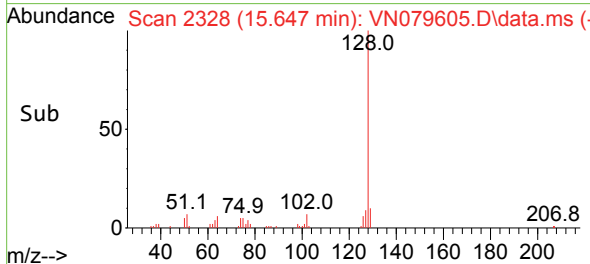
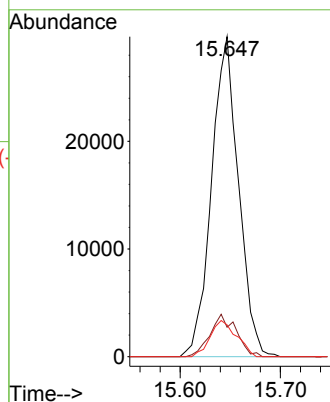
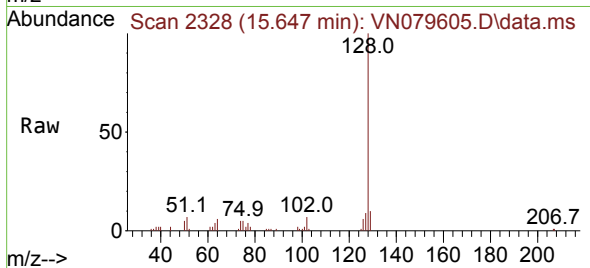
Acq: 18 Oct 2023 17:13

Instrument :

MSVOA\_N

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 55646     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 12.9  | 10.9 16.3 |
| 129         | 11.0  | 8.6 12.8  |



#92

1,2,3-Trichlorobenzene

Concen: 16.656 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:180 | Resp: | 28442     |
| Ion Ratio   | Lower | Upper     |
| 180         | 100   |           |
| 182         | 92.6  | 0.0 185.6 |
| 145         | 32.5  | 0.0 63.6  |

