

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032023\  
 Data File : VN077062.D  
 Acq On : 20 Mar 2023 12:28  
 Operator : JC\MD  
 Sample : VN0320WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0320WBS01

Quant Time: Mar 21 05:34:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 20 08:50:30 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.231  | 168  | 409008   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.107  | 114  | 710042   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.866 | 117  | 632375   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 281524   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 306180   | 46.865   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 93.740%  |
| 35) Dibromofluoromethane    | 8.172  | 113   | 237845   | 47.832   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 95.660%  |
| 50) Toluene-d8              | 10.572 | 98    | 899973   | 50.667   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 101.340% |
| 62) 4-Bromofluorobenzene    | 12.848 | 95    | 320766   | 51.105   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 102.200% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.137 | 85  | 74324   | 18.489  | ug/l   | 99  |
| 3) Chloromethane             | 2.372 | 50  | 76248   | 18.503  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.525 | 62  | 85190   | 19.152  | ug/l   | 93  |
| 5) Bromomethane              | 2.966 | 94  | 56325   | 18.747  | ug/l   | 99  |
| 6) Chloroethane              | 3.131 | 64  | 66821   | 23.741  | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 3.513 | 101 | 185097  | 19.343  | ug/l   | 95  |
| 8) Diethyl Ether             | 3.978 | 74  | 70752   | 19.646  | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 4.384 | 101 | 105396  | 19.417  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.601 | 142 | 117655  | 19.244  | ug/l   | 95  |
| 11) Tert butyl alcohol       | 5.531 | 59  | 91192   | 95.790  | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 4.354 | 96  | 98525   | 19.841  | ug/l   | 99  |
| 13) Acrolein                 | 4.190 | 56  | 115975  | 98.494  | ug/l   | 99  |
| 14) Allyl chloride           | 5.037 | 41  | 168958  | 18.586  | ug/l   | 96  |
| 15) Acrylonitrile            | 5.731 | 53  | 296068  | 92.509  | ug/l   | 99  |
| 16) Acetone                  | 4.437 | 43  | 310542  | 106.677 | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.725 | 76  | 265026  | 18.304  | ug/l   | 98  |
| 18) Methyl Acetate           | 5.037 | 43  | 202194  | 18.419  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 5.807 | 73  | 350407  | 19.662  | ug/l   | 98  |
| 20) Methylene Chloride       | 5.284 | 84  | 118995  | 18.835  | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene | 5.795 | 96  | 105589  | 19.618  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.684 | 45  | 397096  | 19.937  | ug/l   | 99  |
| 23) Vinyl Acetate            | 6.613 | 43  | 1212469 | 96.467  | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 6.584 | 63  | 221670  | 19.449  | ug/l   | 99  |
| 25) 2-Butanone               | 7.489 | 43  | 412980  | 96.979  | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 7.501 | 77  | 173883  | 20.276  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.495 | 96  | 126502  | 20.522  | ug/l   | 96  |
| 28) Bromochloromethane       | 7.819 | 49  | 72385   | 14.624  | ug/l   | 99  |
| 29) Tetrahydrofuran          | 7.842 | 42  | 265871  | 96.348  | ug/l   | 99  |
| 30) Chloroform               | 7.972 | 83  | 216052  | 19.531  | ug/l   | 99  |
| 31) Cyclohexane              | 8.260 | 56  | 208882  | 19.541  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 8.172 | 97  | 183806  | 19.441  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 8.378 | 75  | 161723  | 20.823  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.566 | 43  | 157975  | 19.011  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 8.366 | 117 | 160455  | 21.210  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.607 | 83  | 196254  | 21.588  | ug/l   | 99  |
| 40) Benzene                  | 8.613 | 78  | 487435  | 20.694  | ug/l   | 99  |

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 Sample : VN0320WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0320WBS01

Quant Time: Mar 21 05:34:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 20 08:50:30 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.784  | 41   | 90396    | 20.193  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.672  | 62   | 174838   | 20.541  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.695  | 43   | 260706   | 20.083  | ug/l   | 98       |
| 44) Trichloroethene           | 9.354  | 130  | 110713   | 20.463  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.625  | 63   | 130677   | 20.889  | ug/l   | 100      |
| 46) Dibromomethane            | 9.707  | 93   | 79892    | 20.249  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.889  | 83   | 166996   | 20.181  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.683  | 41   | 126697   | 20.416  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.695  | 88   | 42583    | 401.744 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.448 | 43   | 802547   | 99.280  | ug/l   | 100      |
| 52) Toluene                   | 10.630 | 92   | 298947   | 21.257  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.836 | 75   | 174795   | 21.552  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.313 | 75   | 194214   | 21.224  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.019 | 97   | 114485   | 20.644  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 171598   | 20.577  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.166 | 76   | 205799   | 20.269  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.160 | 63   | 353085   | 99.313  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.195 | 43   | 600414   | 102.404 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.360 | 129  | 116195   | 20.858  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.472 | 107  | 109419   | 19.896  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.107 | 164  | 88645    | 20.887  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.895 | 112  | 298523   | 20.517  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.966 | 131  | 109113   | 20.267  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.966 | 91   | 564558   | 21.361  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.071 | 106  | 426950   | 43.560  | ug/l   | 99       |
| 69) o-Xylene                  | 12.401 | 106  | 208765   | 21.436  | ug/l   | 100      |
| 70) Styrene                   | 12.413 | 104  | 339093   | 22.364  | ug/l   | 100      |
| 71) Bromoform                 | 12.577 | 173  | 77013    | 21.110  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.701 | 105  | 545216   | 21.611  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.495 | 43   | 218245   | 19.986  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.942 | 83   | 169660   | 18.562  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.995 | 75   | 209066   | 28.710  | ug/l   | 49       |
| 77) Bromobenzene              | 12.983 | 156  | 115337   | 20.408  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.036 | 91   | 646321   | 22.192  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.124 | 91   | 394951   | 21.282  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 467737   | 22.205  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.736 | 75   | 49850    | 18.843  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 380109   | 21.539  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.442 | 119  | 384420   | 21.736  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.483 | 105  | 468504   | 22.288  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 565627   | 22.483  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.730 | 119  | 457115   | 22.626  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.736 | 146  | 217798   | 20.390  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.813 | 146  | 216005   | 20.325  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.060 | 91   | 394208   | 22.242  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.336 | 117  | 82150    | 20.000  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.107 | 146  | 218669   | 20.538  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.724 | 75   | 32933    | 19.445  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.395 | 180  | 103760   | 21.557  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.507 | 225  | 57779    | 21.797  | ug/l   | 99       |
| 95) Naphthalene               | 15.642 | 128  | 334240   | 19.098  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.842 | 180  | 103138   | 21.355  | ug/l   | 99       |

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Acq On : 20 Mar 2023 12:28  
Operator : JC\MD  
Sample : VN0320WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

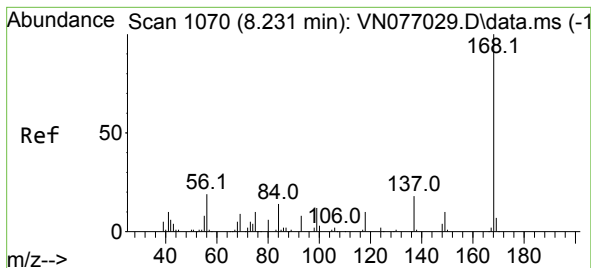
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

Quant Time: Mar 21 05:34:13 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 20 08:50:30 2023  
Response via : Initial Calibration

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

Instrument :

MSVOA\_N

ClientSampleId :

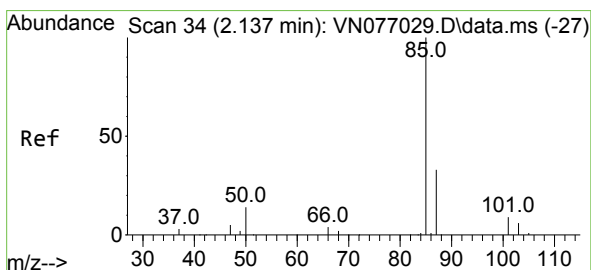
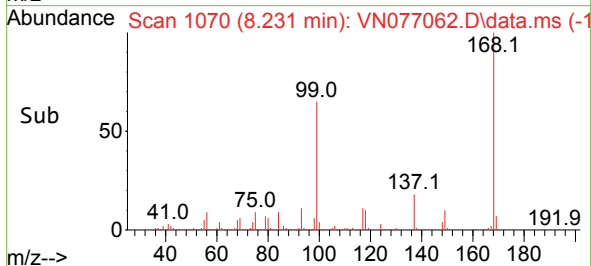
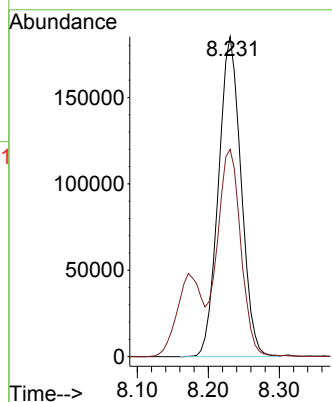
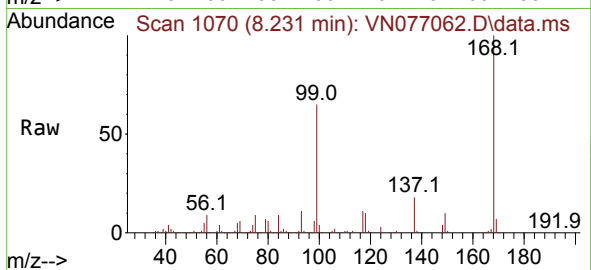
VN0320WBS01

Tgt Ion:168 Resp: 409008

Ion Ratio Lower Upper

168 100

99 64.6 53.9 80.9



#2

Dichlorodifluoromethane

Concen: 18.489 ug/l

RT: 2.137 min Scan# 34

Delta R.T. -0.000 min

Lab File: VN077062.D

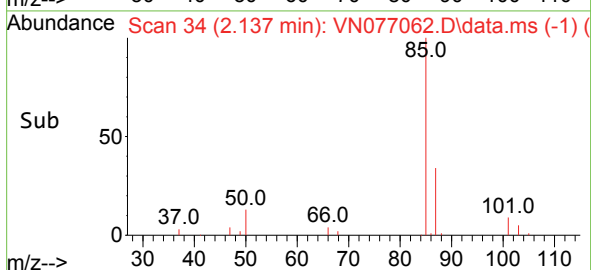
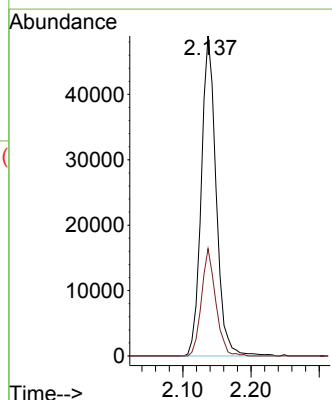
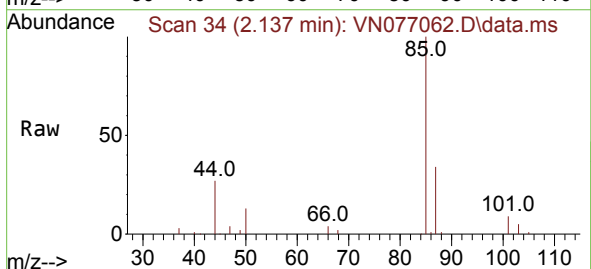
Acq: 20 Mar 2023 12:28

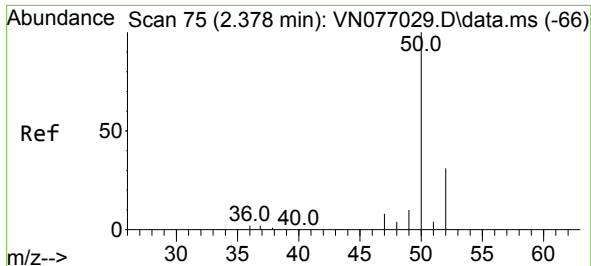
Tgt Ion: 85 Resp: 74324

Ion Ratio Lower Upper

85 100

87 33.6 16.4 49.2

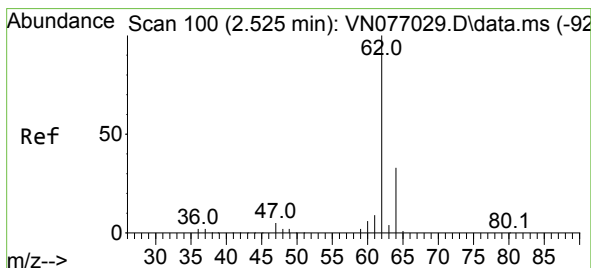
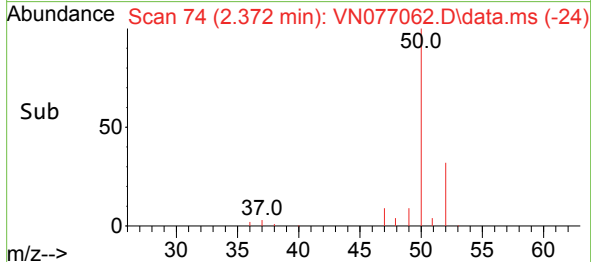
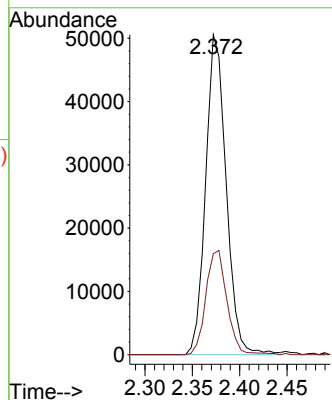
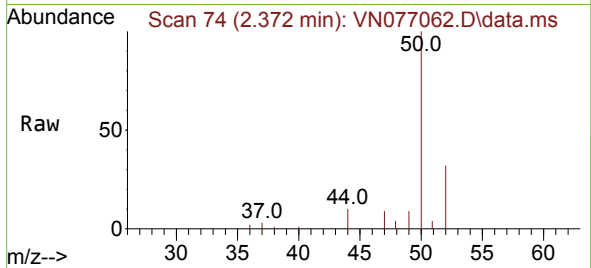




#3  
Chloromethane  
Concen: 18.503 ug/l  
RT: 2.372 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

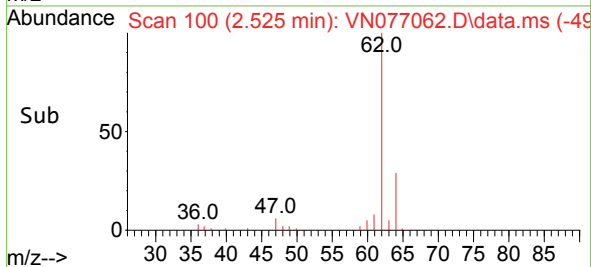
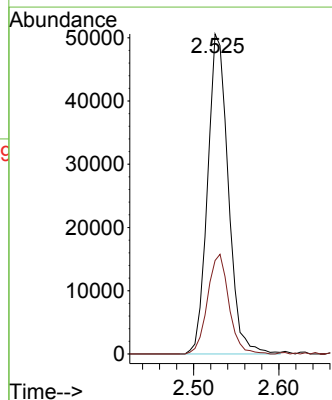
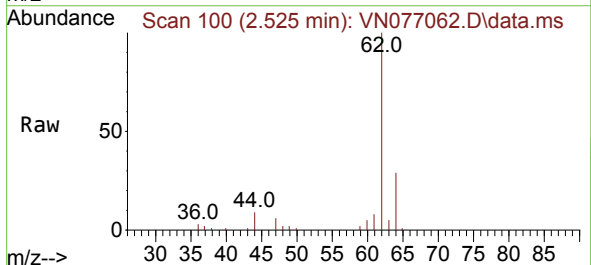
Instrument :  
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VN0320WBS01

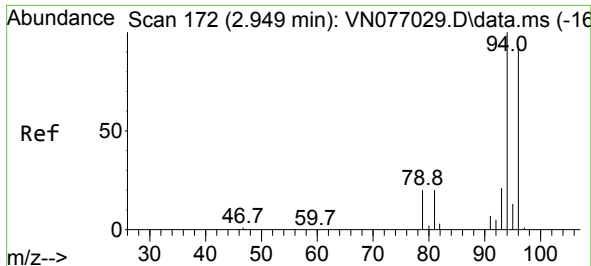
Tgt Ion: 50 Resp: 76248  
Ion Ratio Lower Upper  
50 100  
52 31.6 25.1 37.7



#4  
Vinyl Chloride  
Concen: 19.152 ug/l  
RT: 2.525 min Scan# 100  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 62 Resp: 85190  
Ion Ratio Lower Upper  
62 100  
64 29.2 26.6 40.0

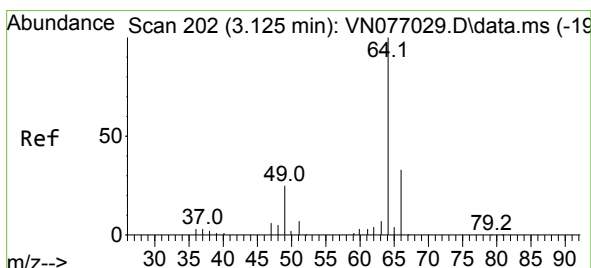
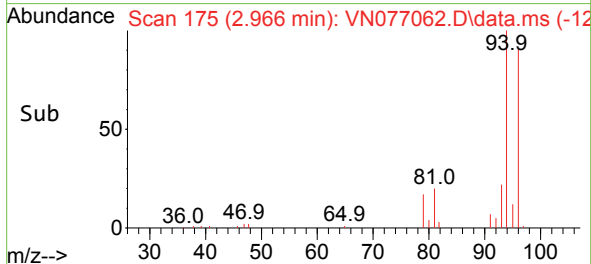
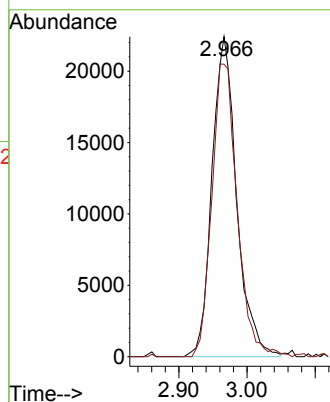
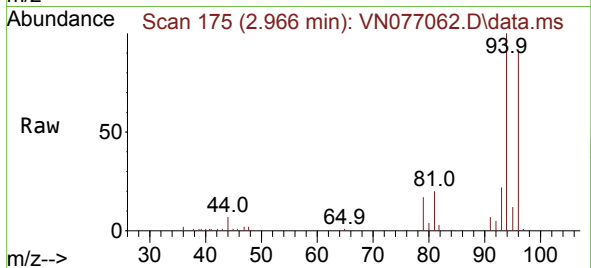




#5  
Bromomethane  
Concen: 18.747 ug/l  
RT: 2.966 min Scan# 175  
Delta R.T. 0.017 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

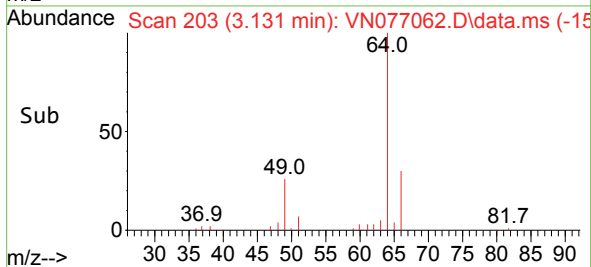
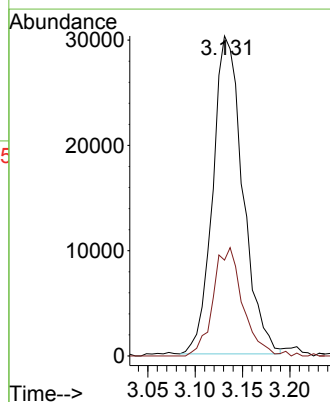
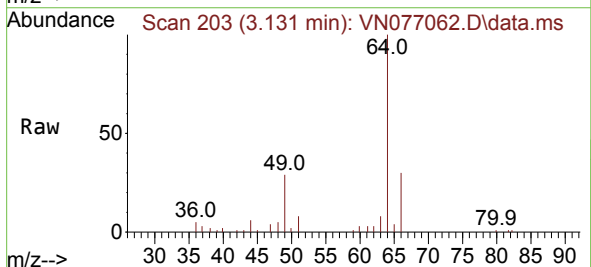
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

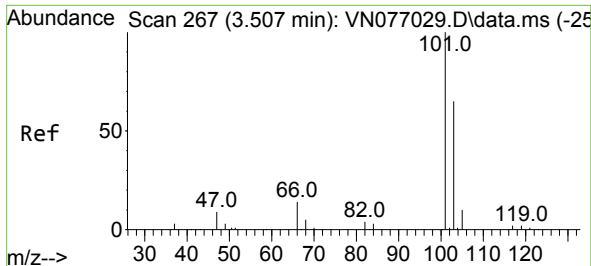
Tgt Ion: 94 Resp: 56325  
Ion Ratio Lower Upper  
94 100  
96 91.4 74.1 111.1



#6  
Chloroethane  
Concen: 23.741 ug/l  
RT: 3.131 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 64 Resp: 66821  
Ion Ratio Lower Upper  
64 100  
66 30.2 26.3 39.5

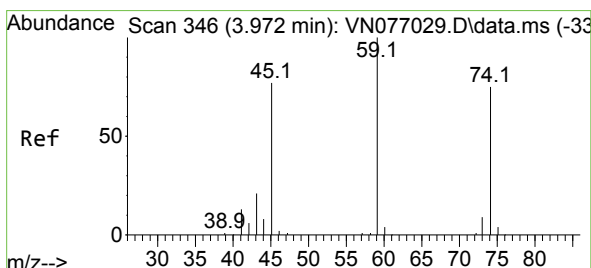
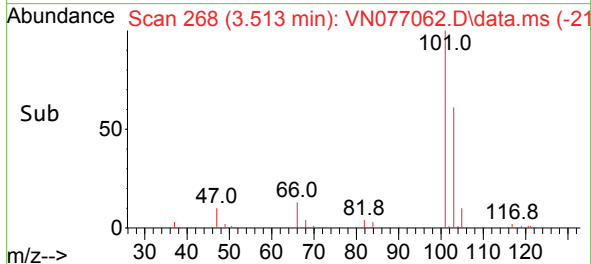
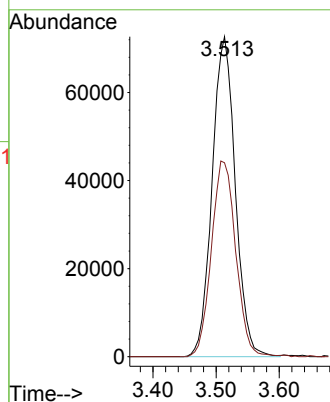
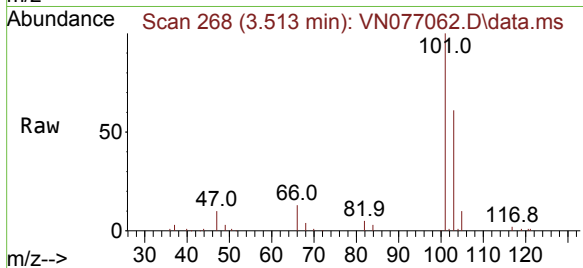




#7  
 Trichlorofluoromethane  
 Concen: 19.343 ug/l  
 RT: 3.513 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN077062.D  
 Acq: 20 Mar 2023 12:28

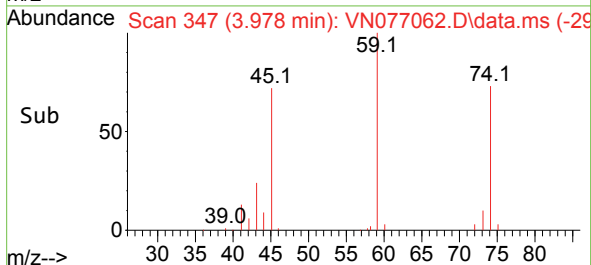
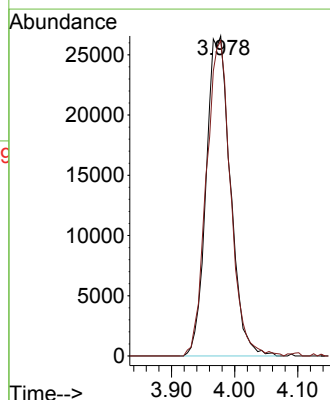
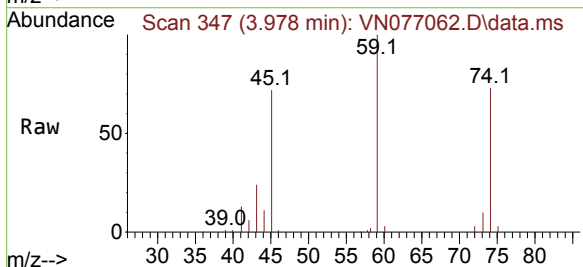
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0320WBS01

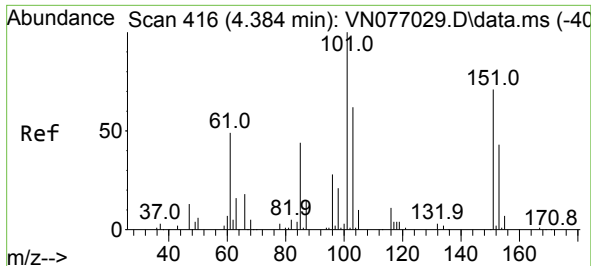
Tgt Ion:101 Resp: 185097  
 Ion Ratio Lower Upper  
 101 100  
 103 60.6 51.8 77.6



#8  
 Diethyl Ether  
 Concen: 19.646 ug/l  
 RT: 3.978 min Scan# 347  
 Delta R.T. 0.006 min  
 Lab File: VN077062.D  
 Acq: 20 Mar 2023 12:28

Tgt Ion: 74 Resp: 70752  
 Ion Ratio Lower Upper  
 74 100  
 45 99.0 50.8 152.5

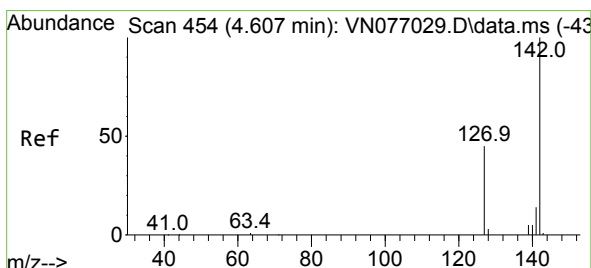
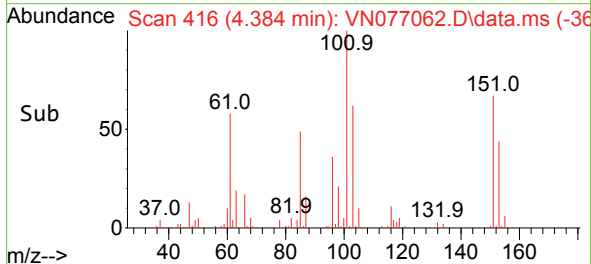
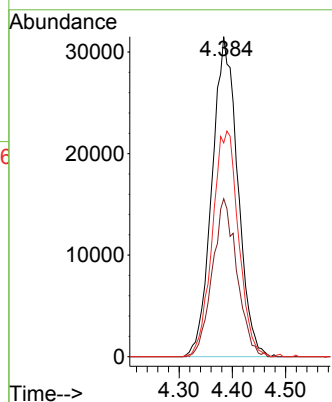
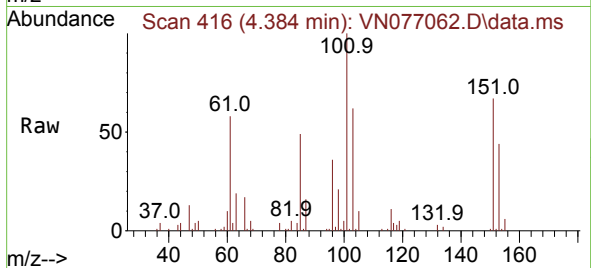




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.417 ug/l  
RT: 4.384 min Scan# 416  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

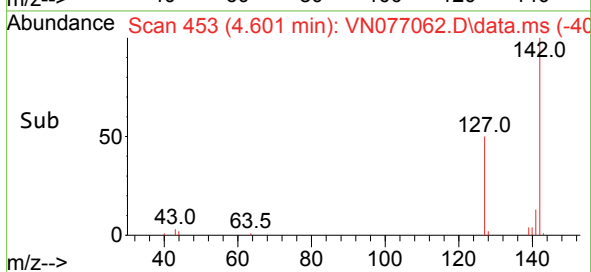
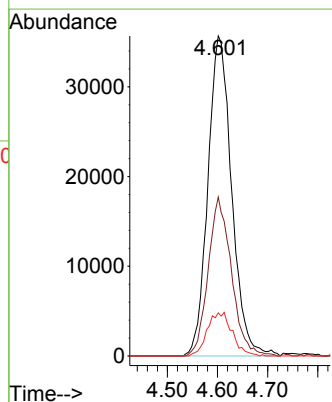
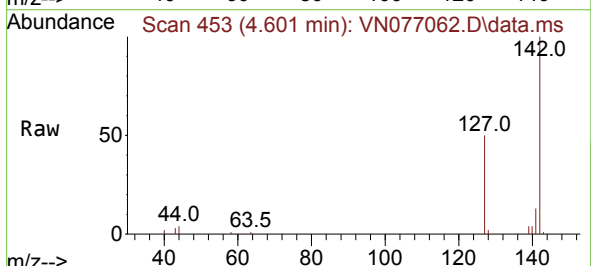
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

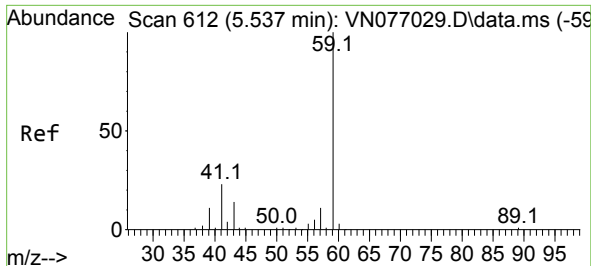
Tgt Ion:101 Resp: 105396  
Ion Ratio Lower Upper  
101 100  
85 47.2 36.6 55.0  
151 71.8 56.9 85.3



#10  
Methyl Iodide  
Concen: 19.244 ug/l  
RT: 4.601 min Scan# 453  
Delta R.T. -0.006 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion:142 Resp: 117655  
Ion Ratio Lower Upper  
142 100  
127 49.6 36.1 54.1  
141 13.4 10.8 16.2

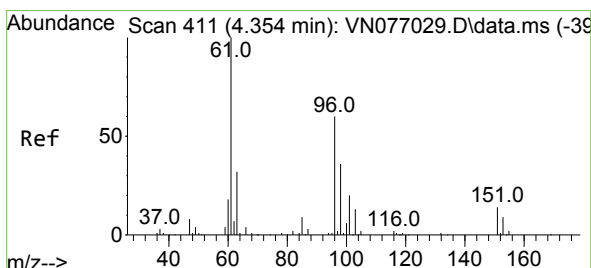
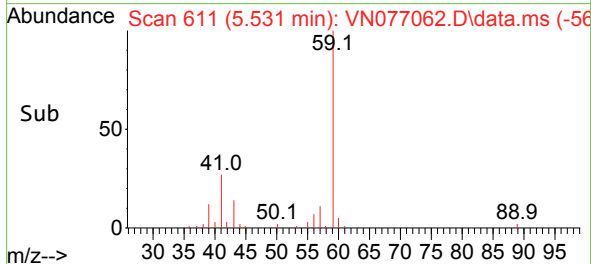
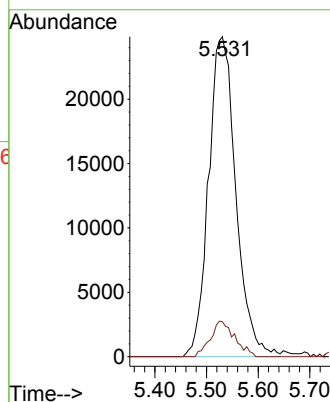
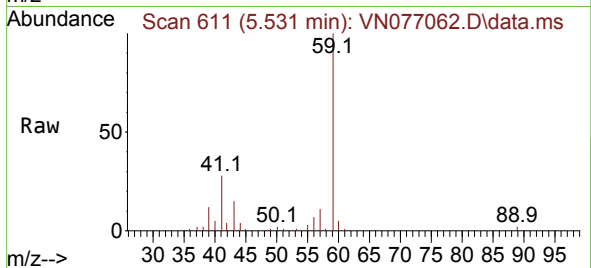




#11  
Tert butyl alcohol  
Concen: 95.790 ug/l  
RT: 5.531 min Scan# 611  
Delta R.T. -0.006 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

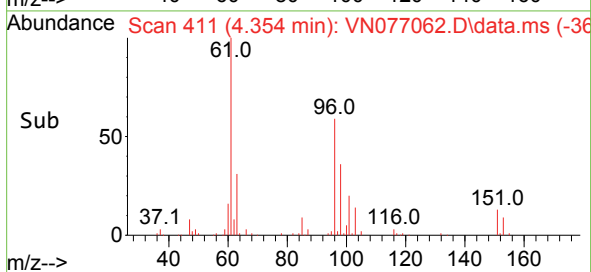
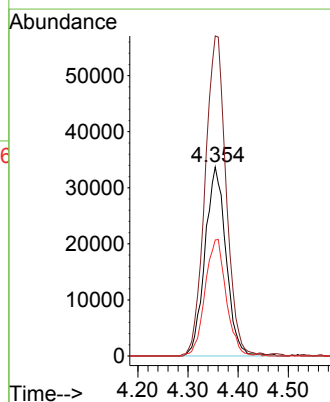
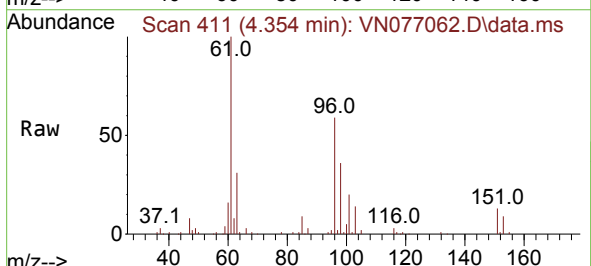
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

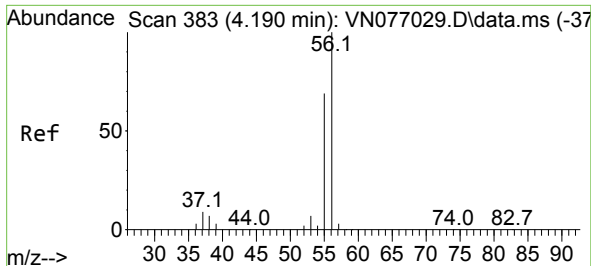
Tgt Ion: 59 Resp: 91192  
Ion Ratio Lower Upper  
59 100  
57 9.9 8.6 12.8



#12  
1,1-Dichloroethene  
Concen: 19.841 ug/l  
RT: 4.354 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 96 Resp: 98525  
Ion Ratio Lower Upper  
96 100  
61 169.3 133.8 200.8  
98 61.4 48.6 72.8

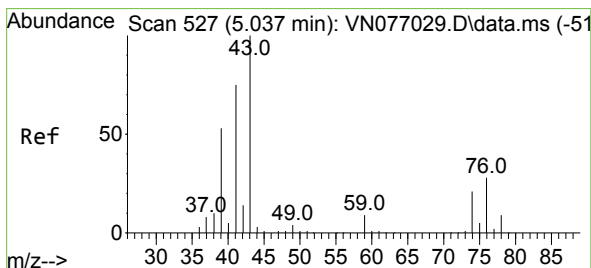
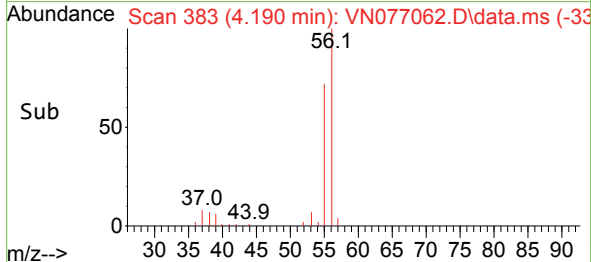
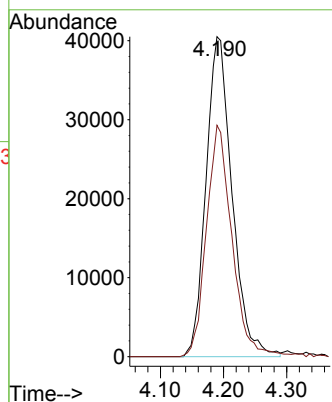
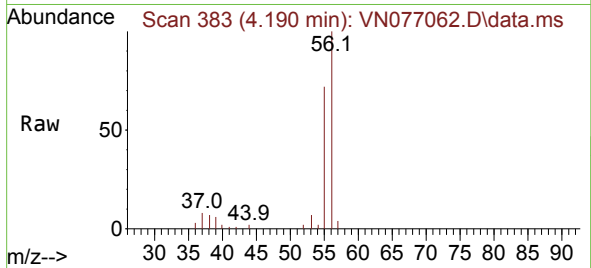




#13  
Acrolein  
Concen: 98.494 ug/l  
RT: 4.190 min Scan# 383  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

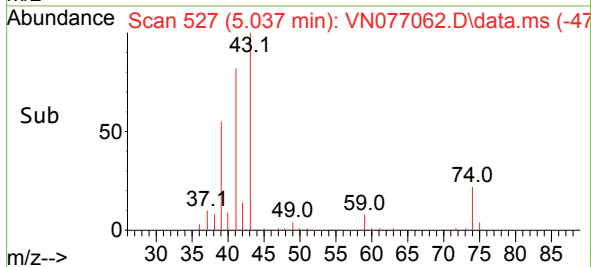
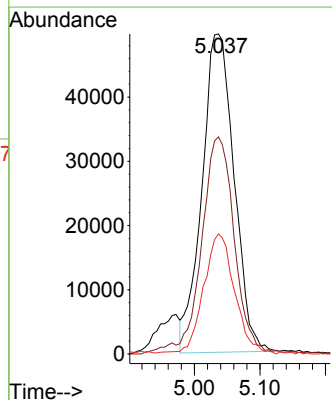
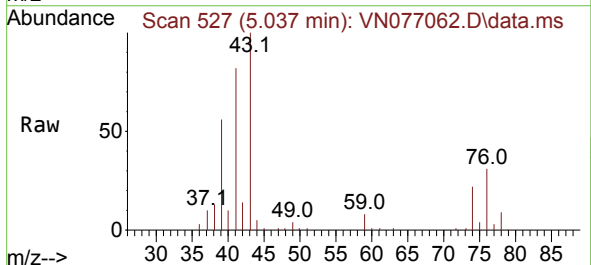
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

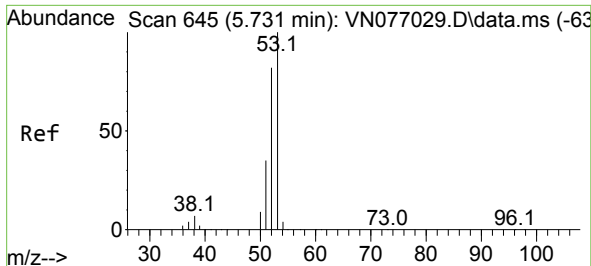
Tgt Ion: 56 Resp: 115975  
Ion Ratio Lower Upper  
56 100  
55 70.8 57.0 85.6



#14  
Allyl chloride  
Concen: 18.586 ug/l  
RT: 5.037 min Scan# 527  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 41 Resp: 168958  
Ion Ratio Lower Upper  
41 100  
39 69.7 53.8 80.8  
76 36.5 26.7 40.1

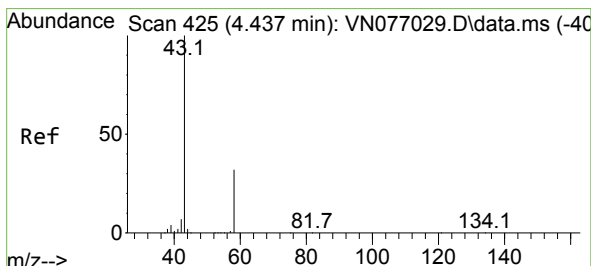
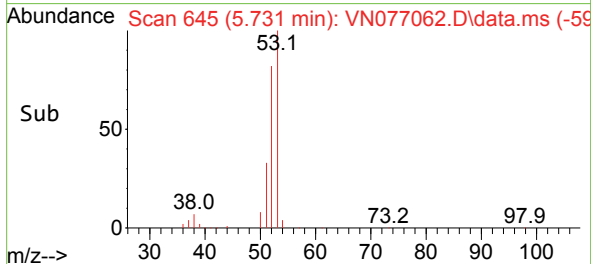
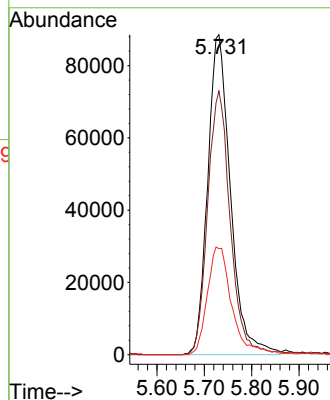
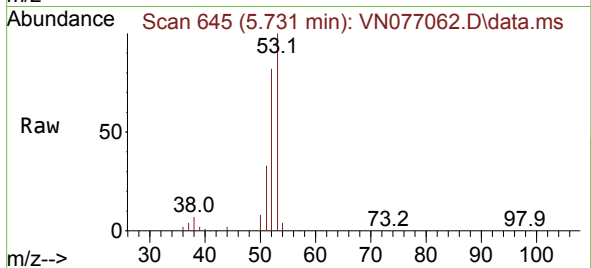




#15  
Acrylonitrile  
Concen: 92.509 ug/l  
RT: 5.731 min Scan# 645  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

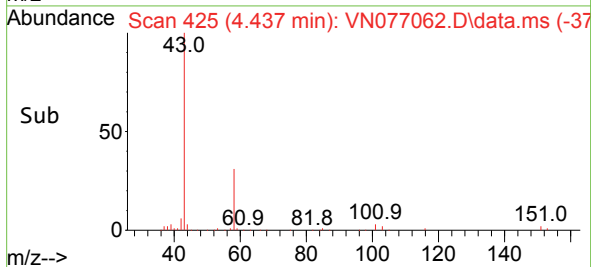
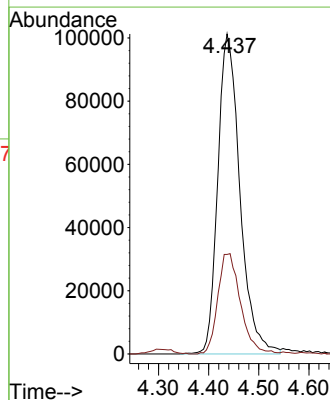
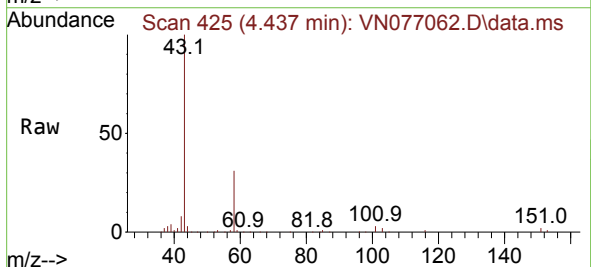
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

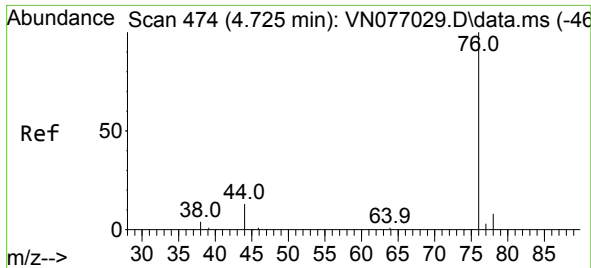
Tgt Ion: 53 Resp: 296068  
Ion Ratio Lower Upper  
53 100  
52 81.3 64.6 97.0  
51 36.1 28.3 42.5



#16  
Acetone  
Concen: 106.677 ug/l  
RT: 4.437 min Scan# 425  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 43 Resp: 310542  
Ion Ratio Lower Upper  
43 100  
58 30.9 25.4 38.0

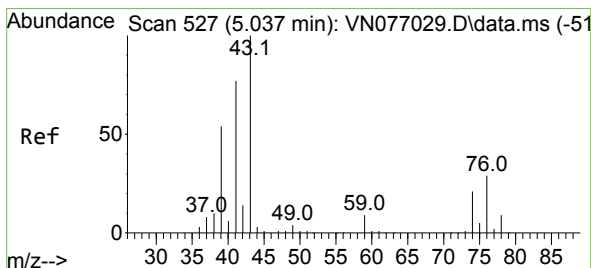
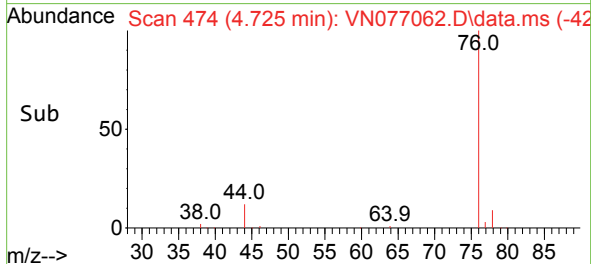
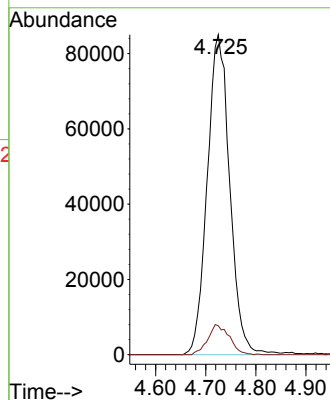
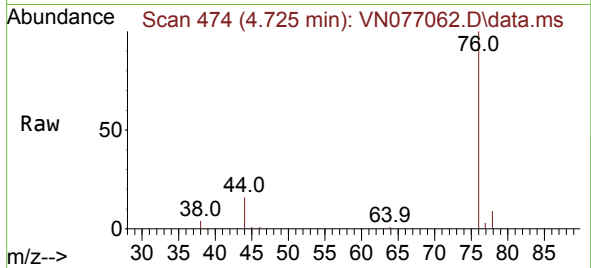




#17  
Carbon Disulfide  
Concen: 18.304 ug/l  
RT: 4.725 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

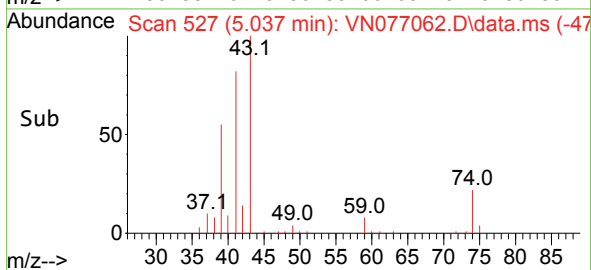
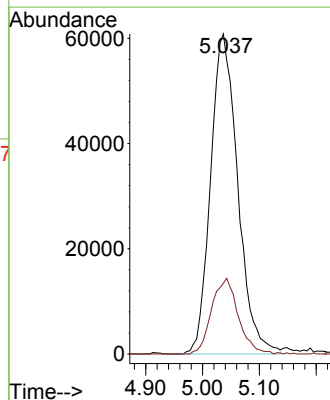
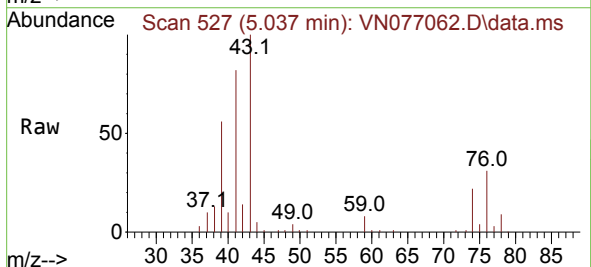
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

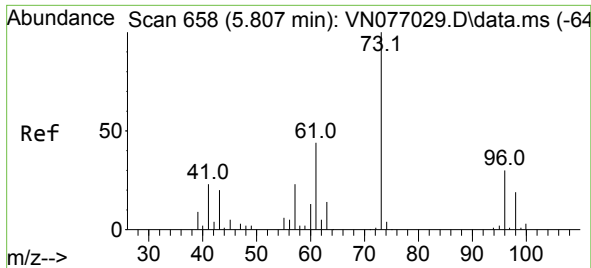
Tgt Ion: 76 Resp: 265026  
Ion Ratio Lower Upper  
76 100  
78 9.0 6.6 10.0



#18  
Methyl Acetate  
Concen: 18.419 ug/l  
RT: 5.037 min Scan# 527  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 43 Resp: 202194  
Ion Ratio Lower Upper  
43 100  
74 23.1 17.7 26.5

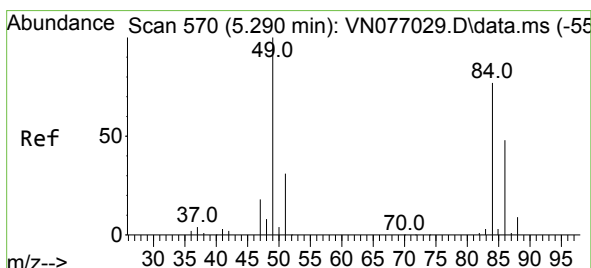
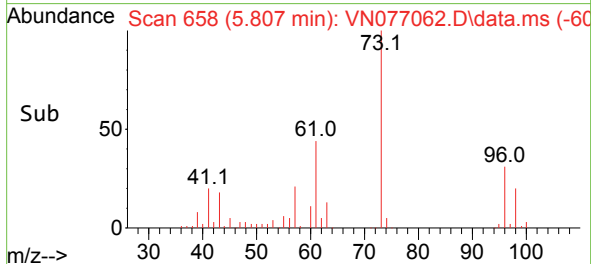
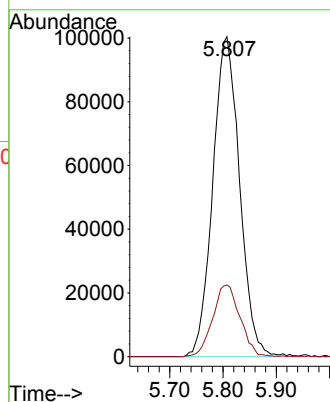
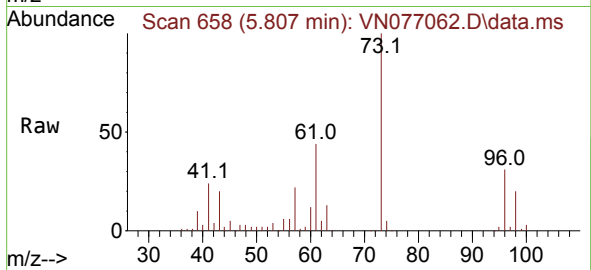




#19  
Methyl tert-butyl Ether  
Concen: 19.662 ug/l  
RT: 5.807 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

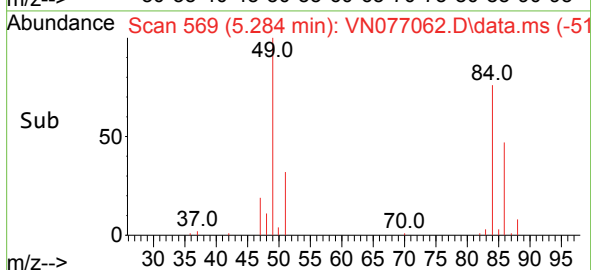
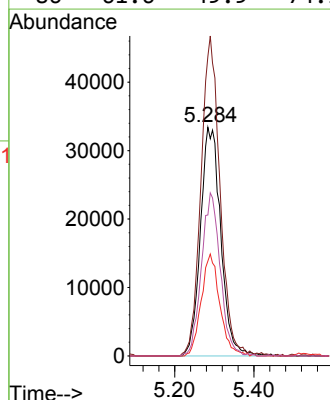
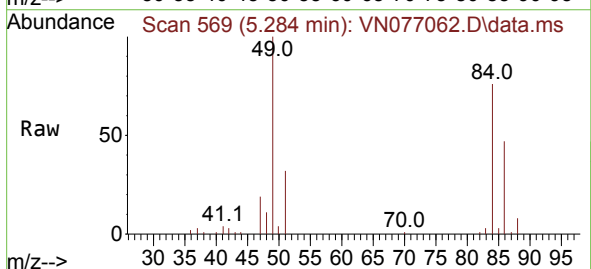
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

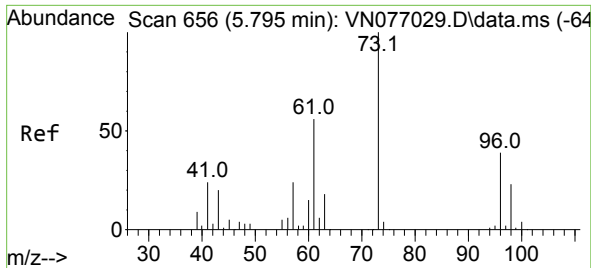
Tgt Ion: 73 Resp: 350407  
Ion Ratio Lower Upper  
73 100  
57 22.4 18.7 28.1



#20  
Methylene Chloride  
Concen: 18.835 ug/l  
RT: 5.284 min Scan# 569  
Delta R.T. -0.006 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 84 Resp: 118995  
Ion Ratio Lower Upper  
84 100  
49 131.0 103.8 155.6  
51 41.5 32.3 48.5  
86 61.6 49.9 74.9

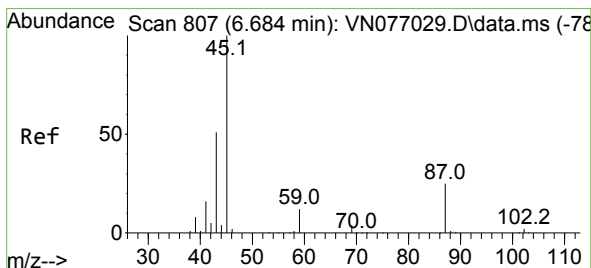
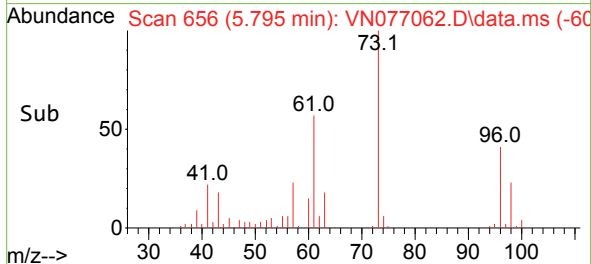
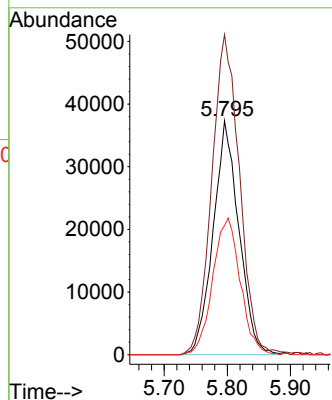
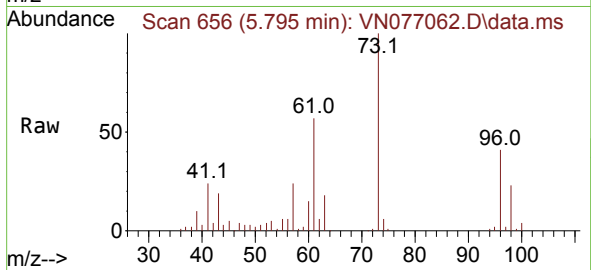




#21  
trans-1,2-Dichloroethene  
Concen: 19.618 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

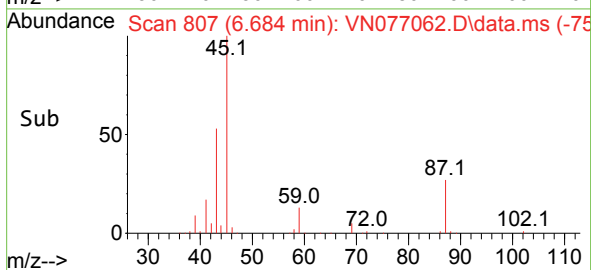
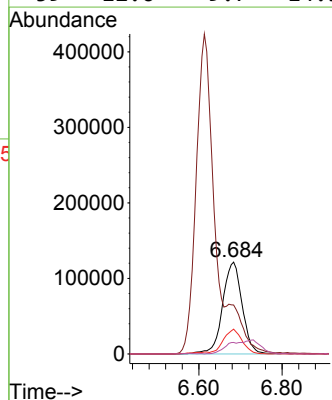
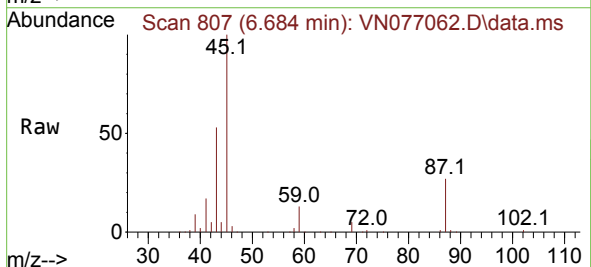
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

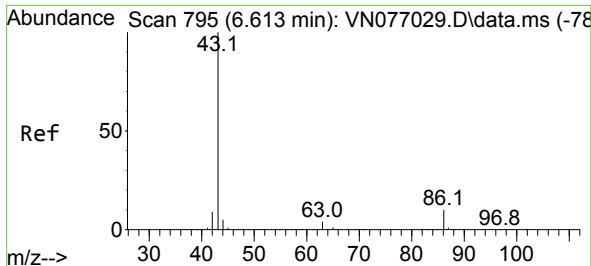
Tgt Ion: 96 Resp: 105589  
Ion Ratio Lower Upper  
96 100  
61 136.8 115.8 173.6  
98 55.2 48.2 72.2



#22  
Diisopropyl ether  
Concen: 19.937 ug/l  
RT: 6.684 min Scan# 807  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 45 Resp: 397096  
Ion Ratio Lower Upper  
45 100  
43 51.9 41.5 62.3  
87 27.1 20.6 30.8  
59 12.6 9.7 14.5

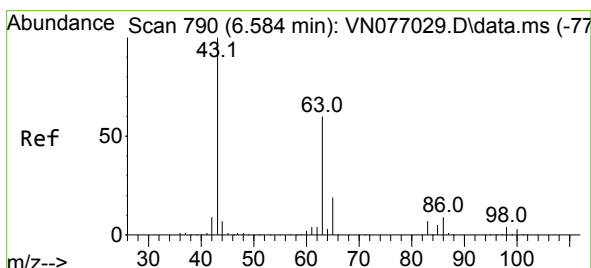
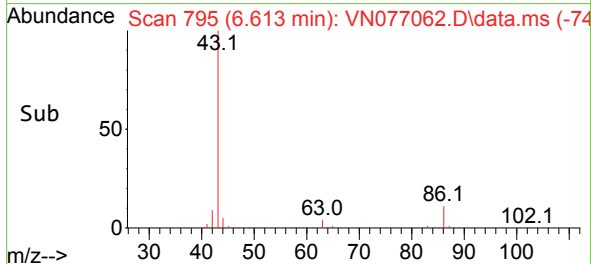
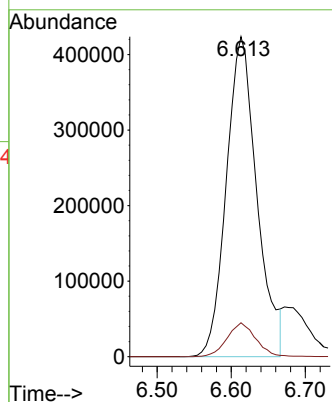
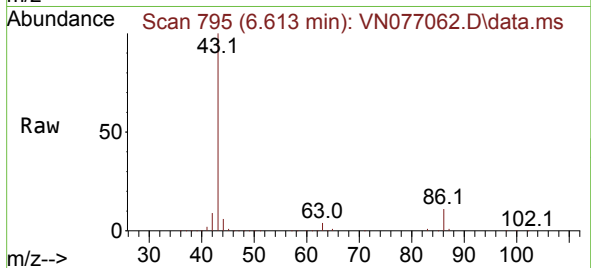




#23  
 Vinyl Acetate  
 Concen: 96.467 ug/l  
 RT: 6.613 min Scan# 795  
 Delta R.T. 0.000 min  
 Lab File: VN077062.D  
 Acq: 20 Mar 2023 12:28

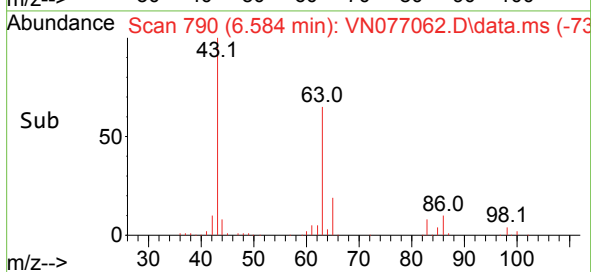
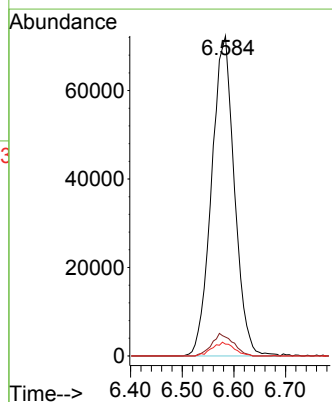
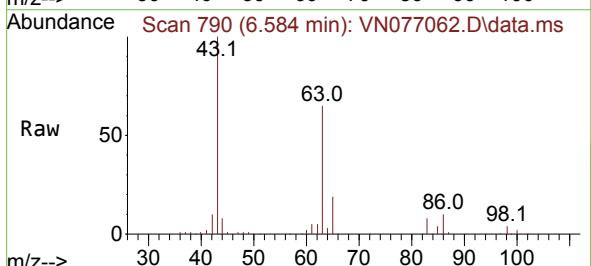
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0320WBS01

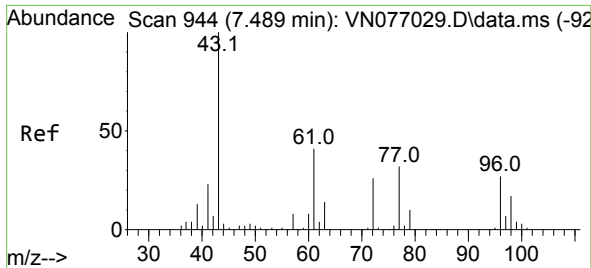
Tgt Ion: 43 Resp: 1212469  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 8.0 12.0



#24  
 1,1-Dichloroethane  
 Concen: 19.449 ug/l  
 RT: 6.584 min Scan# 790  
 Delta R.T. -0.000 min  
 Lab File: VN077062.D  
 Acq: 20 Mar 2023 12:28

Tgt Ion: 63 Resp: 221670  
 Ion Ratio Lower Upper  
 63 100  
 98 5.9 3.1 9.4  
 100 3.7 2.1 6.3

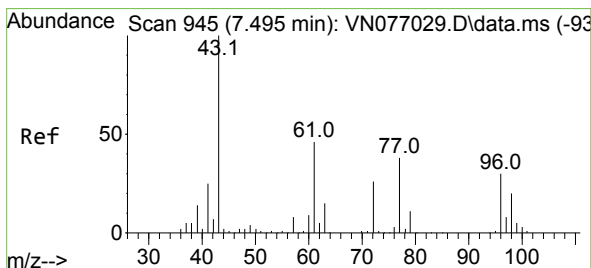
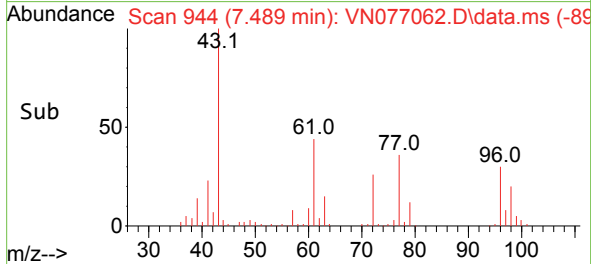
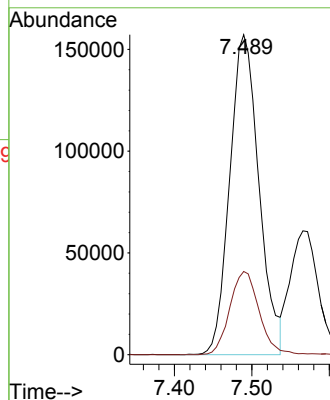
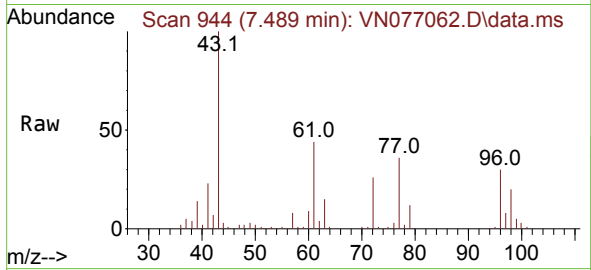




#25  
2-Butanone  
Concen: 96.979 ug/l  
RT: 7.489 min Scan# 944  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

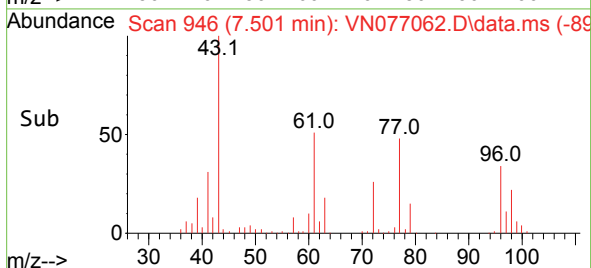
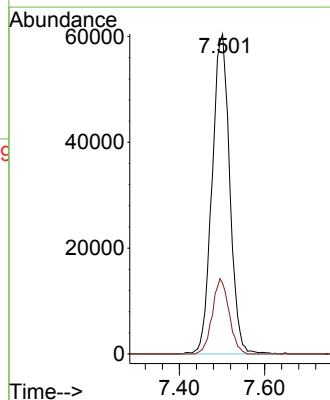
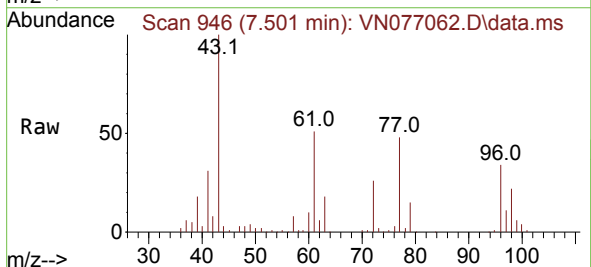
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

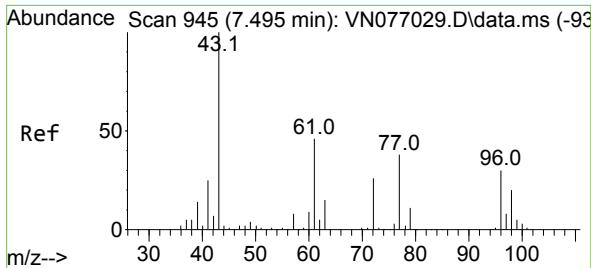
Tgt Ion: 43 Resp: 412980  
Ion Ratio Lower Upper  
43 100  
72 26.0 20.7 31.1



#26  
2,2-Dichloropropane  
Concen: 20.276 ug/l  
RT: 7.501 min Scan# 946  
Delta R.T. 0.006 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 77 Resp: 173883  
Ion Ratio Lower Upper  
77 100  
97 22.3 10.9 32.9

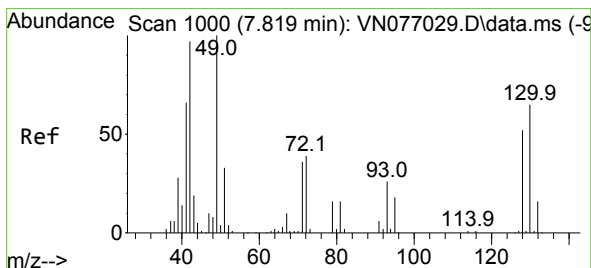
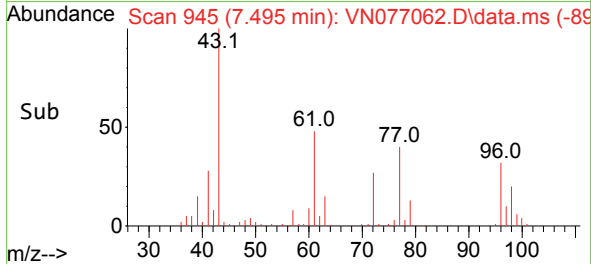
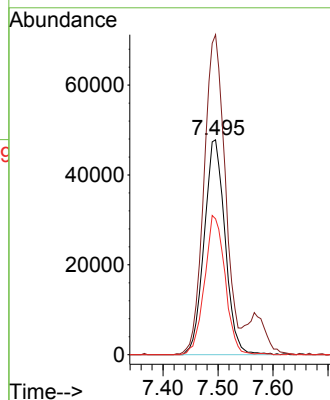
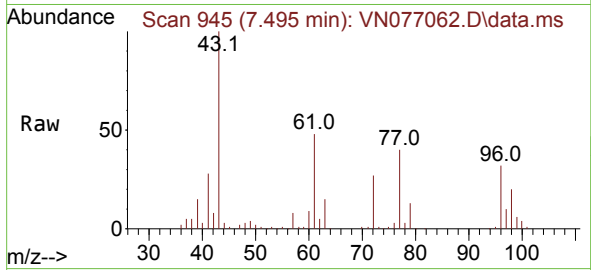




#27  
cis-1,2-Dichloroethene  
Concen: 20.522 ug/l  
RT: 7.495 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

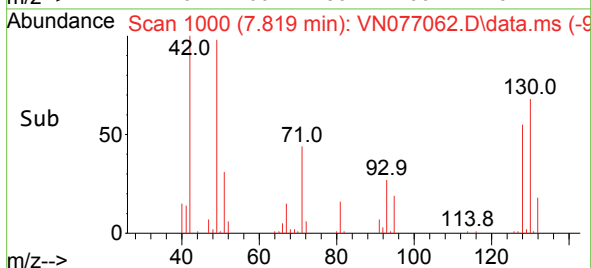
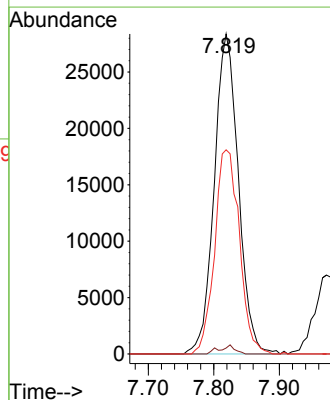
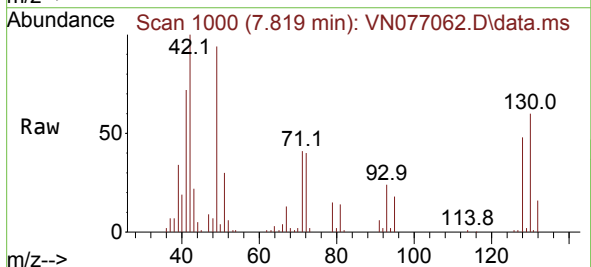
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

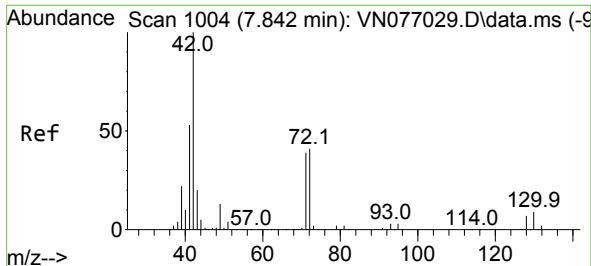
Tgt Ion: 96 Resp: 126502  
Ion Ratio Lower Upper  
96 100  
61 151.6 0.0 315.4  
98 63.5 0.0 128.6



#28  
Bromochloromethane  
Concen: 14.624 ug/l  
RT: 7.819 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 49 Resp: 72385  
Ion Ratio Lower Upper  
49 100  
129 1.2 0.0 3.2  
130 65.4 51.9 77.9





#29

Tetrahydrofuran

Concen: 96.348 ug/l

RT: 7.842 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0320WBS01

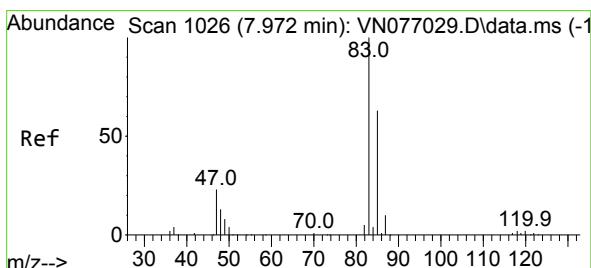
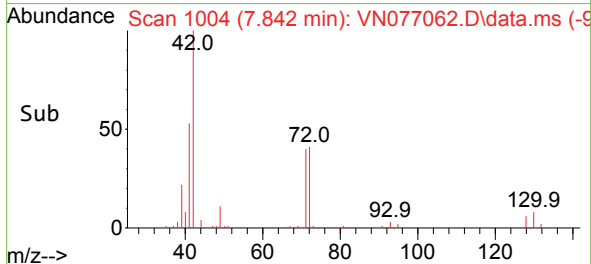
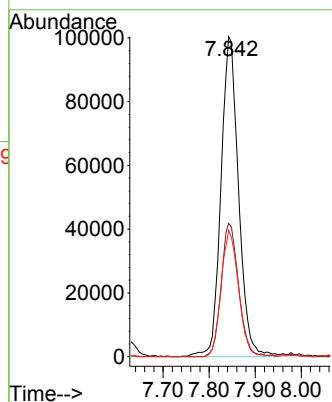
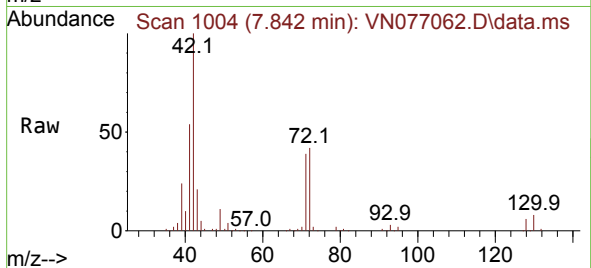
Tgt Ion: 42 Resp: 265871

Ion Ratio Lower Upper

42 100

72 41.0 33.2 49.8

71 39.1 31.0 46.4



#30

Chloroform

Concen: 19.531 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077062.D

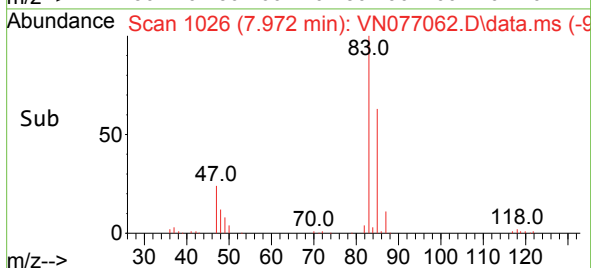
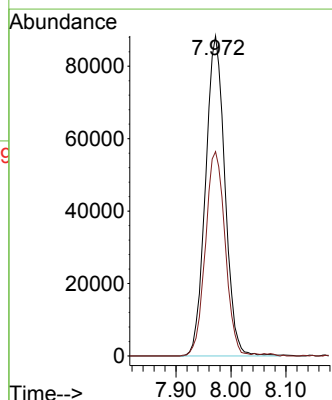
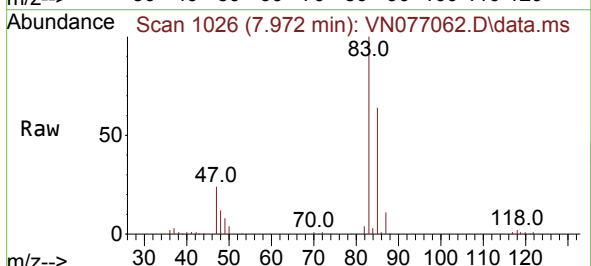
Acq: 20 Mar 2023 12:28

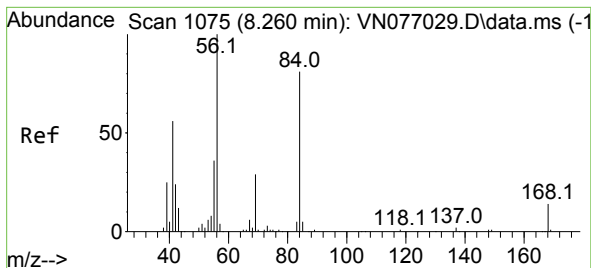
Tgt Ion: 83 Resp: 216052

Ion Ratio Lower Upper

83 100

85 63.9 50.6 75.8

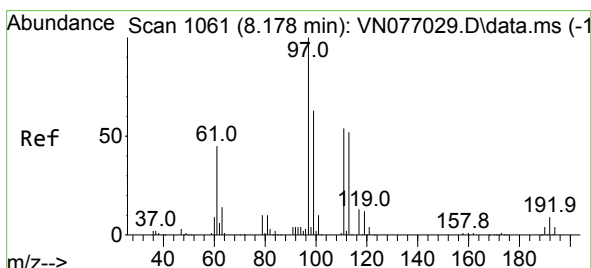
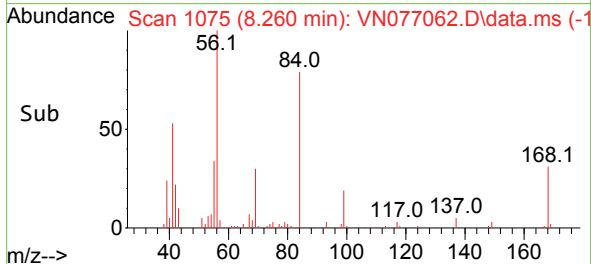
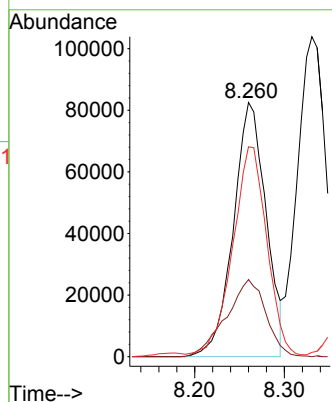
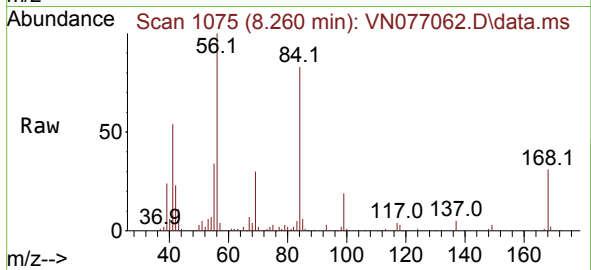




#31  
Cyclohexane  
Concen: 19.541 ug/l  
RT: 8.260 min Scan# 1075  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

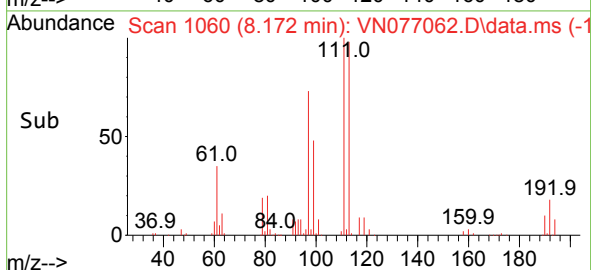
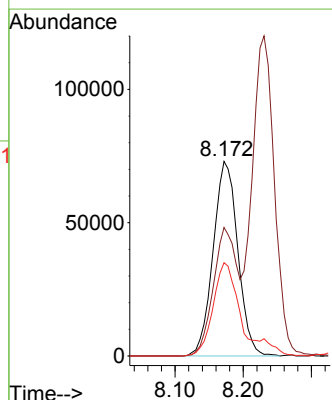
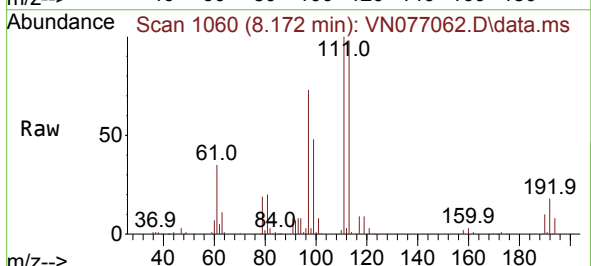
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

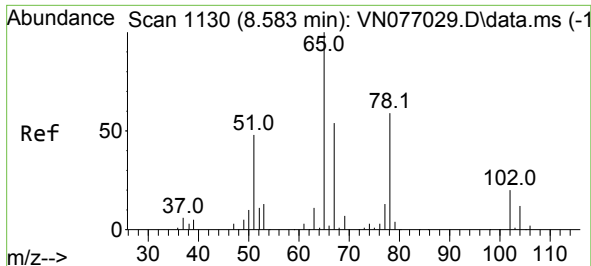
Tgt Ion: 56 Resp: 208882  
Ion Ratio Lower Upper  
56 100  
69 29.9 22.8 34.2  
84 81.3 64.7 97.1



#32  
1,1,1-Trichloroethane  
Concen: 19.441 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.006 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 97 Resp: 183806  
Ion Ratio Lower Upper  
97 100  
99 62.8 50.2 75.2  
61 54.5 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 46.865 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

Instrument :

MSVOA\_N

ClientSampleId :

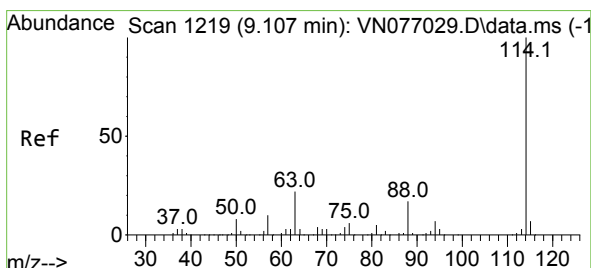
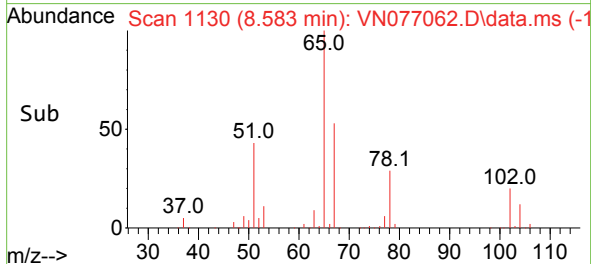
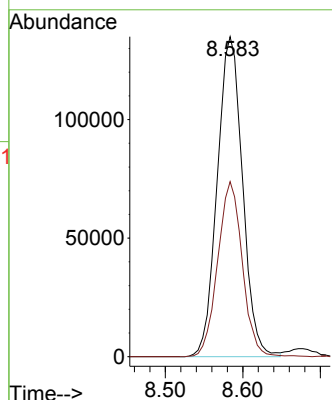
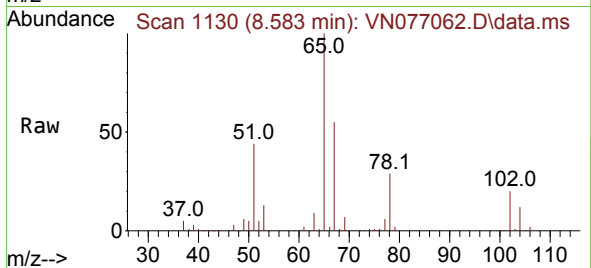
VN0320WBS01

Tgt Ion: 65 Resp: 306180

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

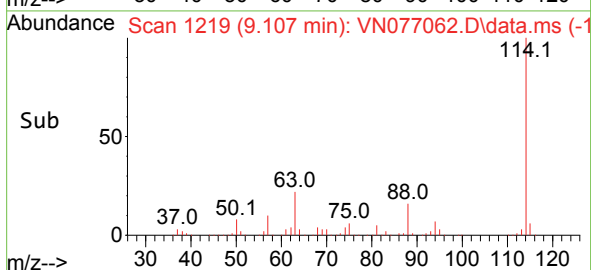
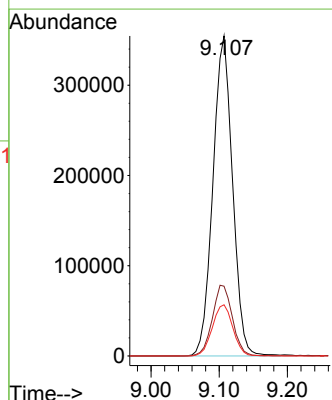
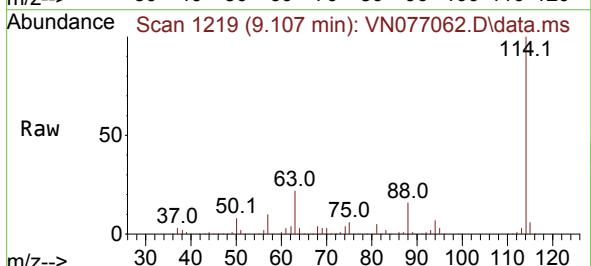
Tgt Ion: 114 Resp: 710042

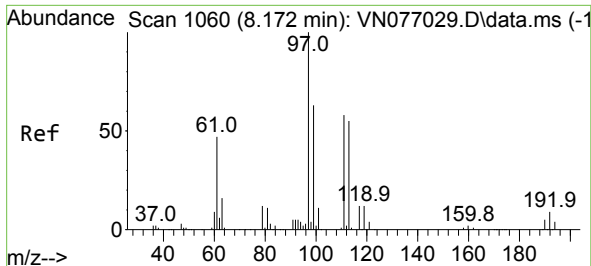
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.6

88 16.0 0.0 33.8

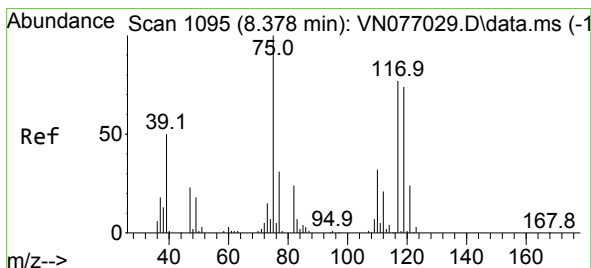
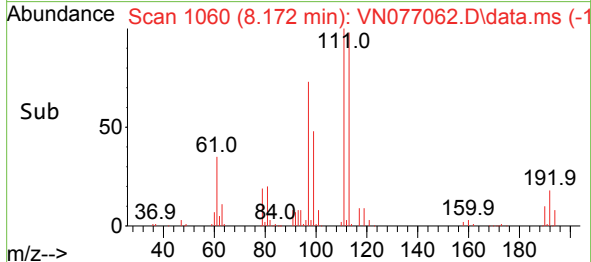
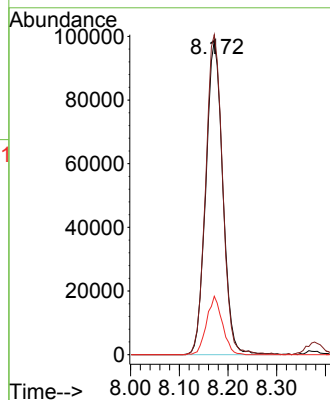
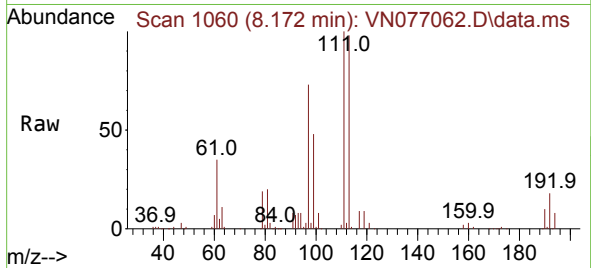




#35  
Dibromofluoromethane  
Concen: 47.832 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

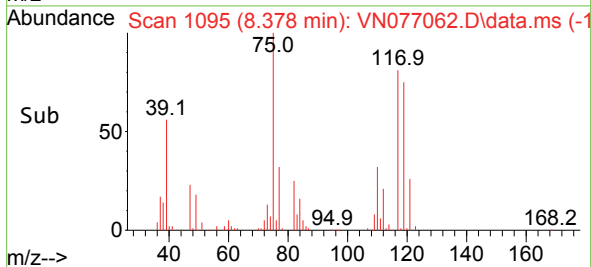
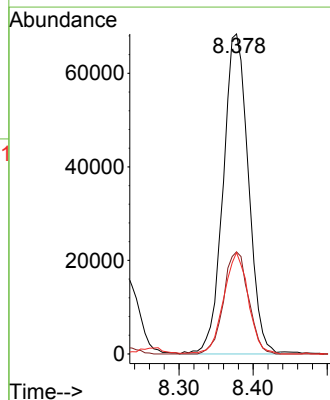
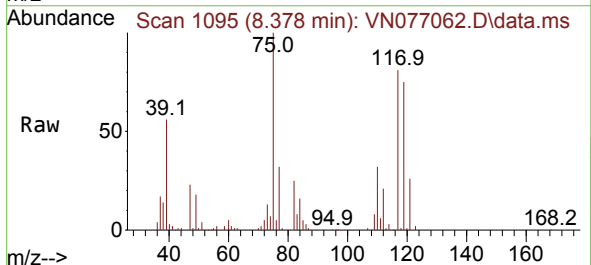
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

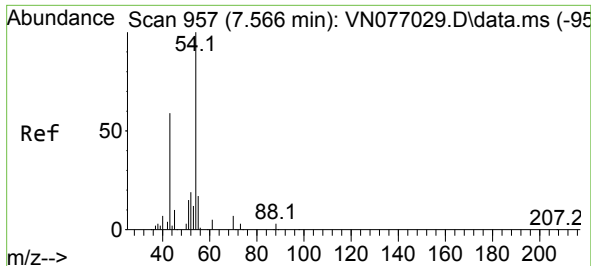
Tgt Ion:113 Resp: 237845  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.2 123.2  
192 17.4 13.0 19.6



#36  
1,1-Dichloropropene  
Concen: 20.823 ug/l  
RT: 8.378 min Scan# 1095  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 75 Resp: 161723  
Ion Ratio Lower Upper  
75 100  
110 31.4 15.9 47.7  
77 30.9 24.3 36.5

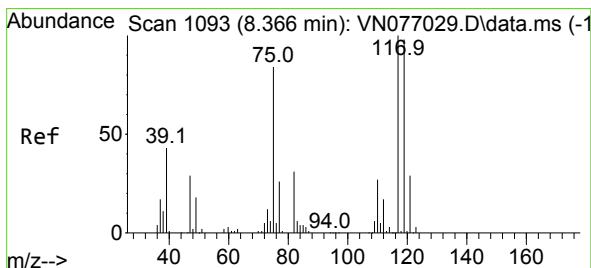
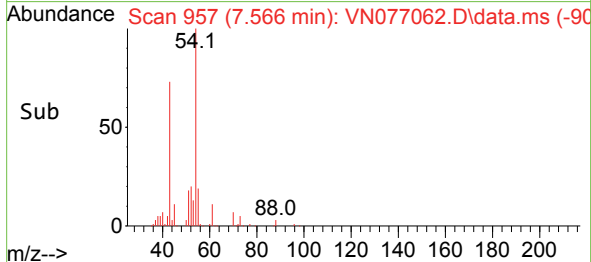
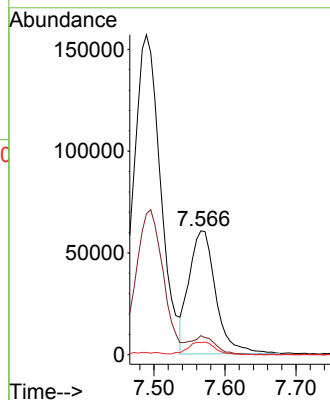
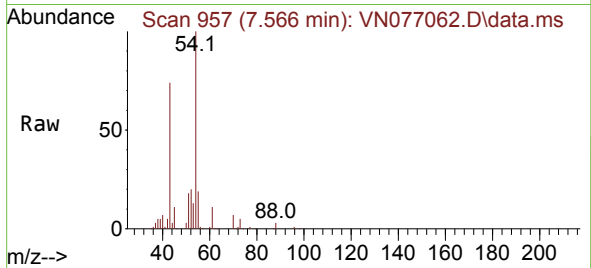




#37  
Ethyl Acetate  
Concen: 19.011 ug/l  
RT: 7.566 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

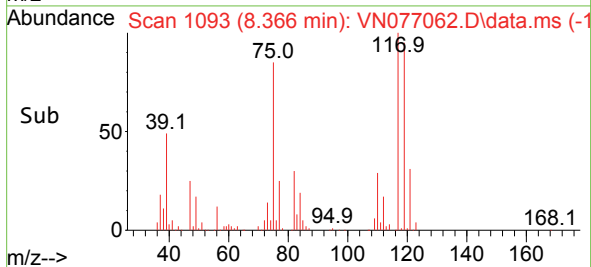
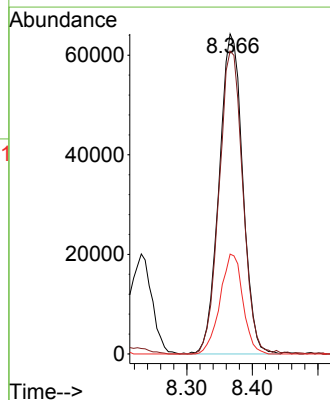
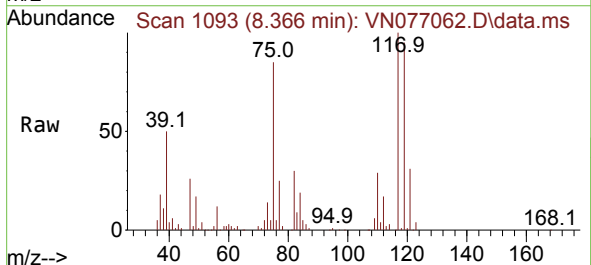
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

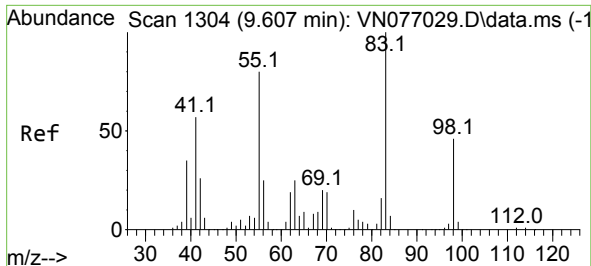
Tgt Ion: 43 Resp: 157975  
Ion Ratio Lower Upper  
43 100  
61 12.8 11.0 16.6  
70 10.4 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 21.210 ug/l  
RT: 8.366 min Scan# 1093  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 117 Resp: 160455  
Ion Ratio Lower Upper  
117 100  
119 94.6 78.2 117.2  
121 31.2 23.2 34.8





#39

Methylcyclohexane

Concen: 21.588 ug/l

RT: 9.607 min Scan# 1134

Delta R.T. 0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0320WBS01

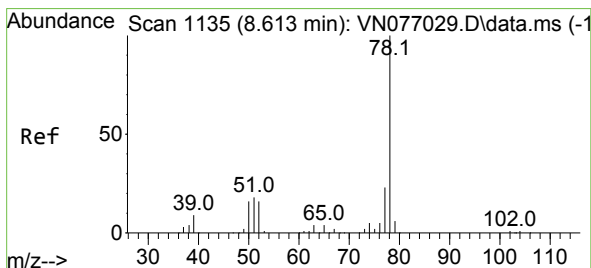
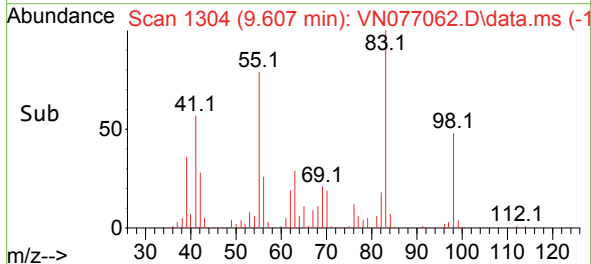
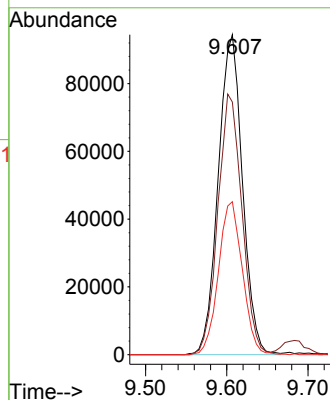
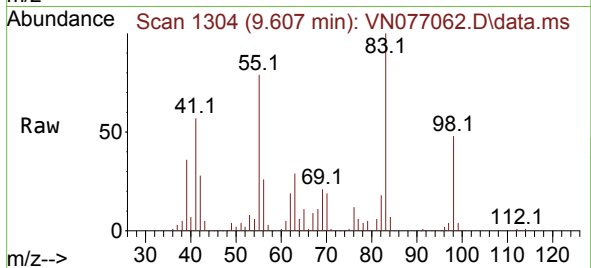
Tgt Ion: 83 Resp: 196254

Ion Ratio Lower Upper

83 100

55 78.9 63.8 95.8

98 47.8 37.1 55.7



#40

Benzene

Concen: 20.694 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. 0.000 min

Lab File: VN077062.D

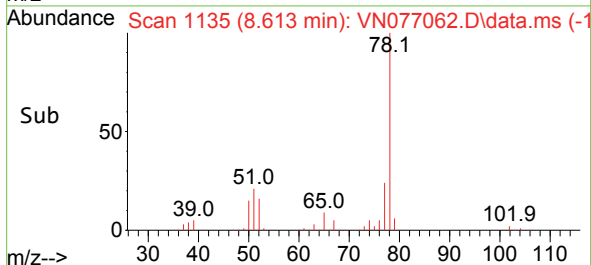
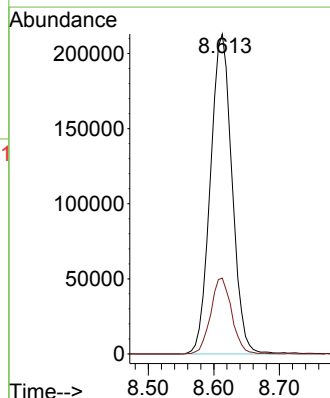
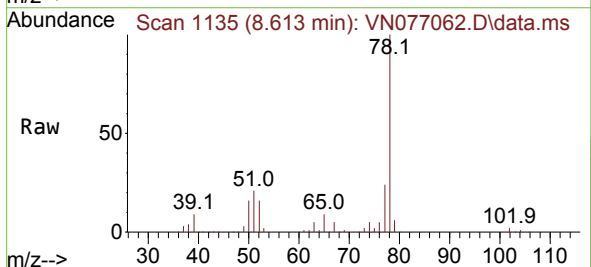
Acq: 20 Mar 2023 12:28

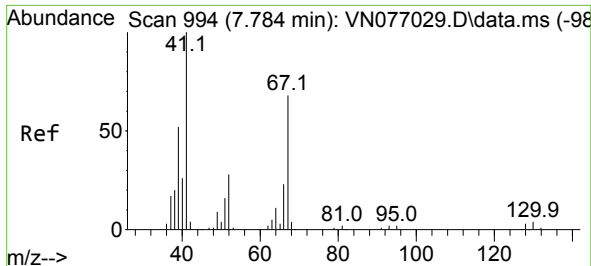
Tgt Ion: 78 Resp: 487435

Ion Ratio Lower Upper

78 100

77 23.7 18.5 27.7

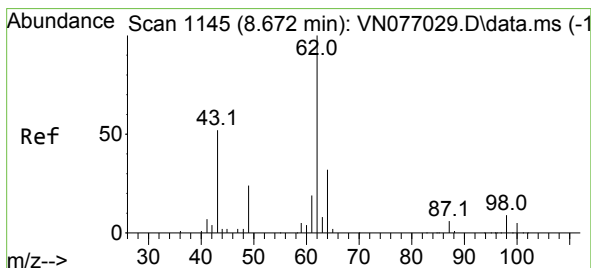
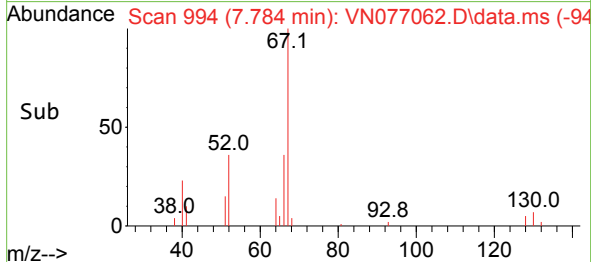
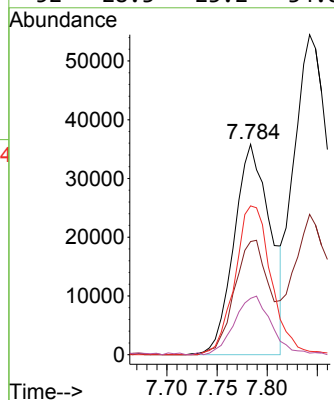
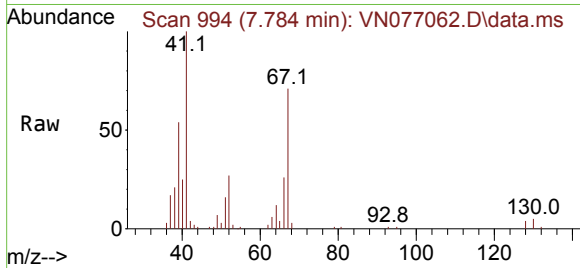




#41  
Methacrylonitrile  
Concen: 20.193 ug/l  
RT: 7.784 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

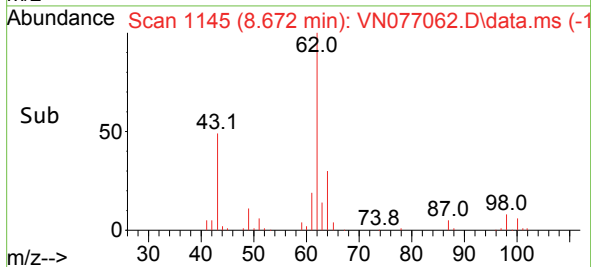
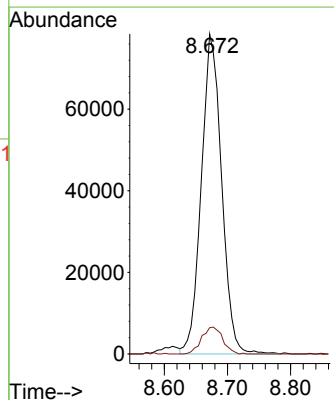
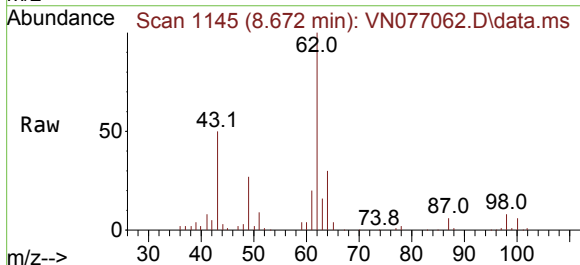
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

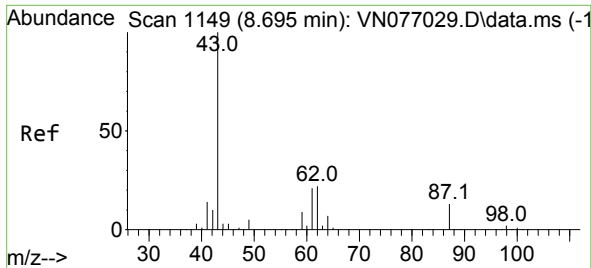
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 90396 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 50.1     | 41.6 62.4   |
| 67 70.9     | 53.8 80.8   |
| 52 28.3     | 23.2 34.8   |



#42  
1,2-Dichloroethane  
Concen: 20.541 ug/l  
RT: 8.672 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 174838 |
| Ion Ratio   | Lower Upper  |
| 62 100      |              |
| 98 8.7      | 0.0 17.4     |

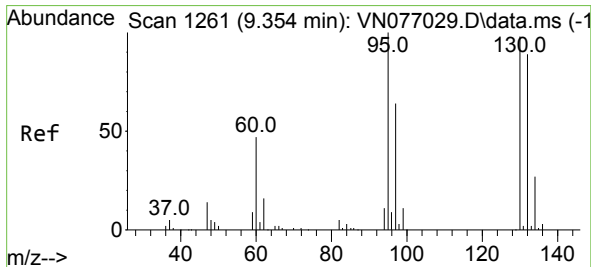
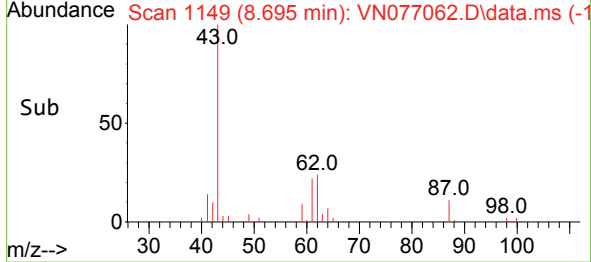
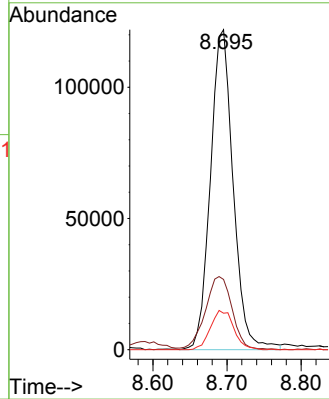
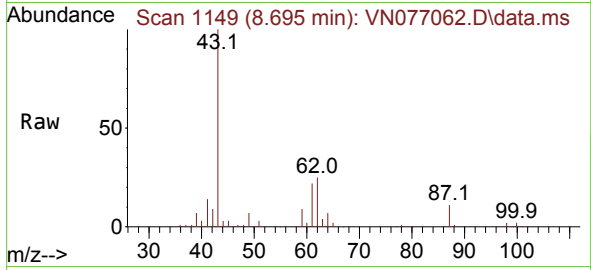




#43  
Isopropyl Acetate  
Concen: 20.083 ug/l  
RT: 8.695 min Scan# 1149  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

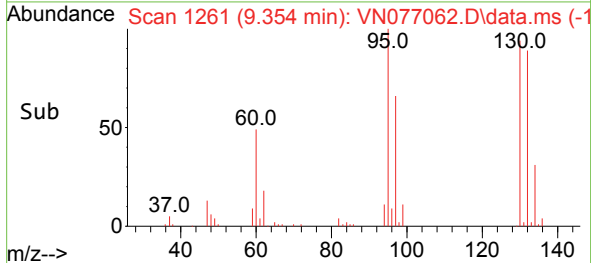
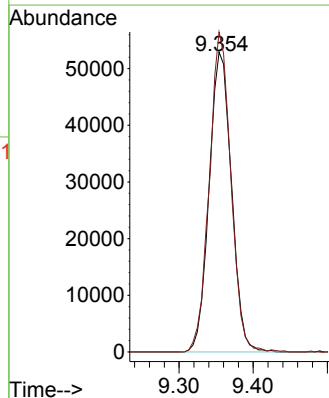
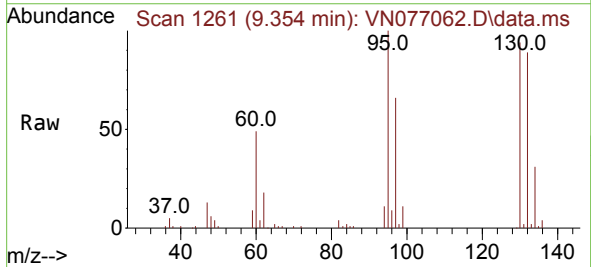
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

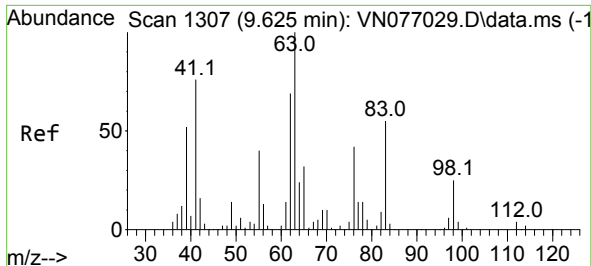
Tgt Ion: 43 Resp: 260706  
Ion Ratio Lower Upper  
43 100  
61 27.0 20.6 30.8  
87 12.6 10.0 15.0



#44  
Trichloroethene  
Concen: 20.463 ug/l  
RT: 9.354 min Scan# 1261  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion:130 Resp: 110713  
Ion Ratio Lower Upper  
130 100  
95 106.7 0.0 204.4





#45

1,2-Dichloropropane

Concen: 20.889 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

Instrument :

MSVOA\_N

ClientSampleId :

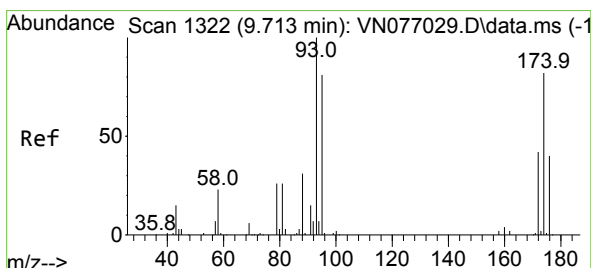
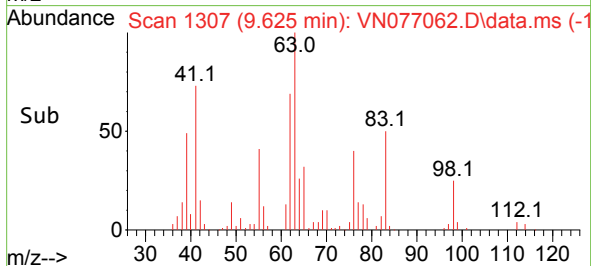
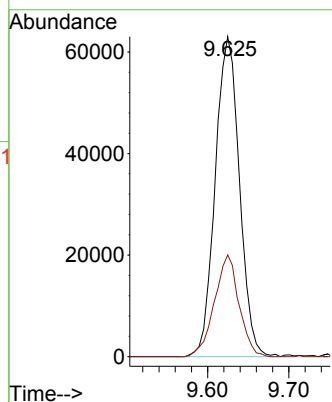
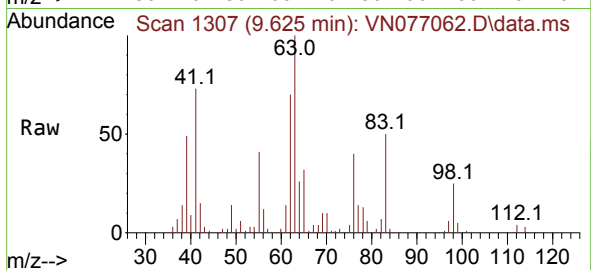
VN0320WBS01

Tgt Ion: 63 Resp: 130677

Ion Ratio Lower Upper

63 100

65 31.8 25.5 38.3



#46

Dibromomethane

Concen: 20.249 ug/l

RT: 9.707 min Scan# 1321

Delta R.T. -0.006 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

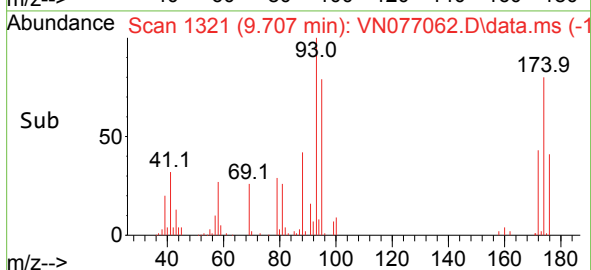
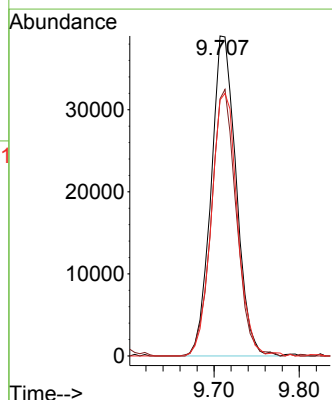
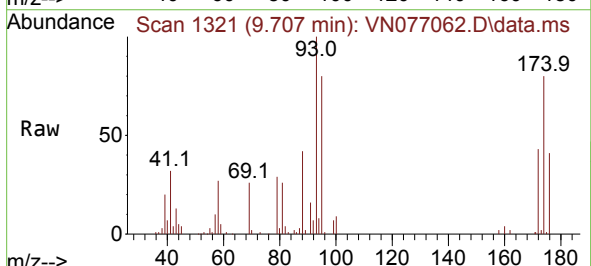
Tgt Ion: 93 Resp: 79892

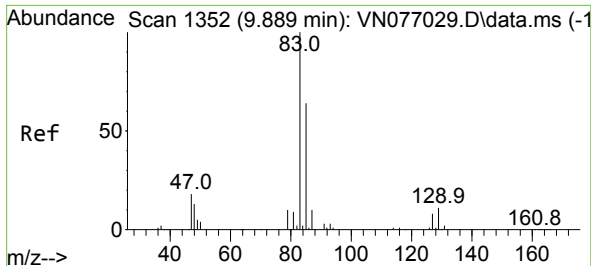
Ion Ratio Lower Upper

93 100

95 82.5 65.7 98.5

174 85.0 66.4 99.6

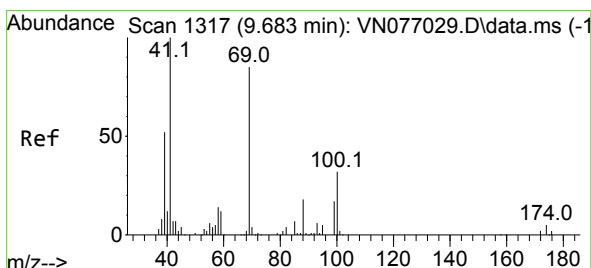
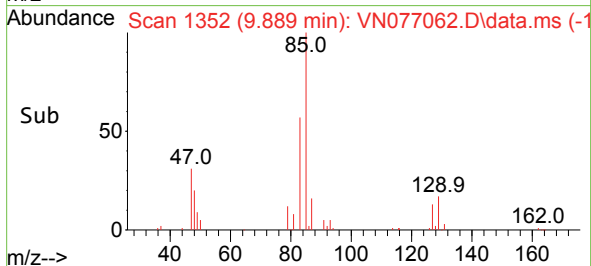
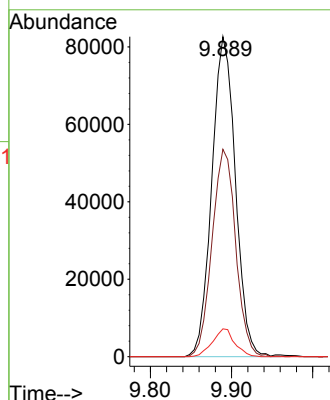
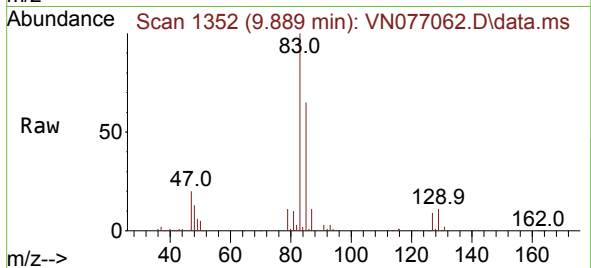




#47  
Bromodichloromethane  
Concen: 20.181 ug/l  
RT: 9.889 min Scan# 1352  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

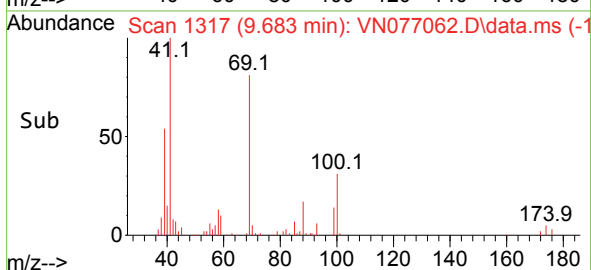
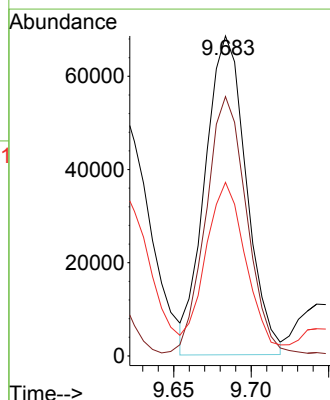
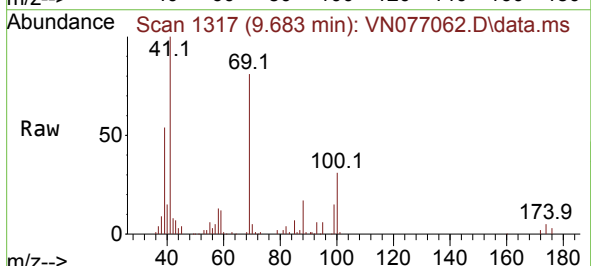
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

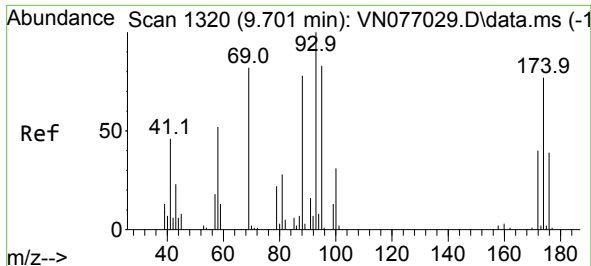
Tgt Ion: 83 Resp: 166996  
Ion Ratio Lower Upper  
83 100  
85 64.8 51.0 76.4  
127 8.7 6.1 9.1



#48  
Methyl methacrylate  
Concen: 20.416 ug/l  
RT: 9.683 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 41 Resp: 126697  
Ion Ratio Lower Upper  
41 100  
69 82.2 64.3 96.5  
39 54.3 43.2 64.8





#49

1,4-Dioxane

Concen: 401.744 ug/l

RT: 9.695 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0320WBS01

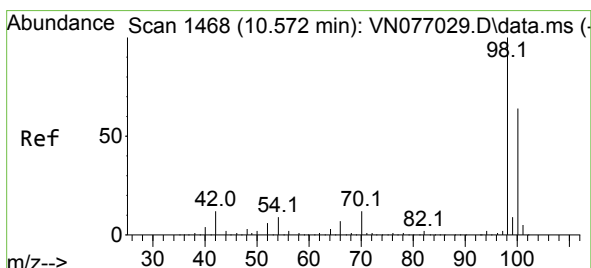
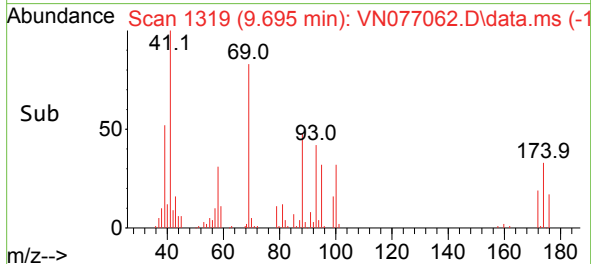
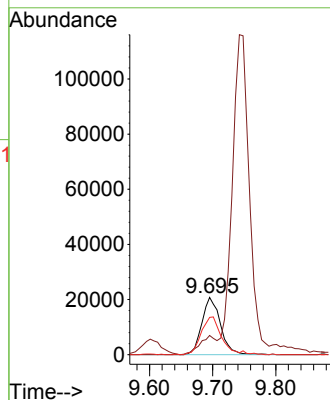
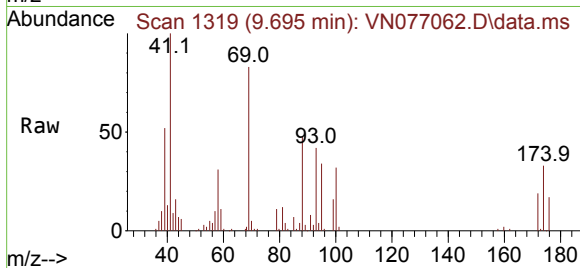
Tgt Ion: 88 Resp: 42583

Ion Ratio Lower Upper

88 100

43 29.5 22.2 33.2

58 73.1 60.8 91.2



#50

Toluene-d8

Concen: 50.667 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VN077062.D

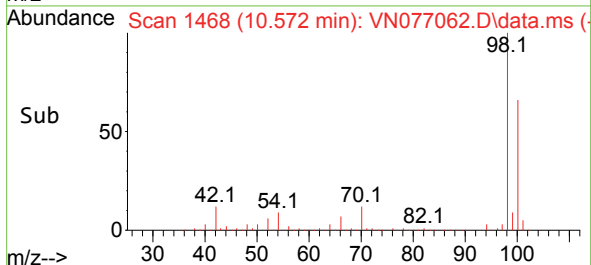
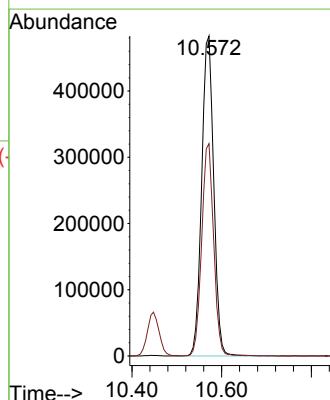
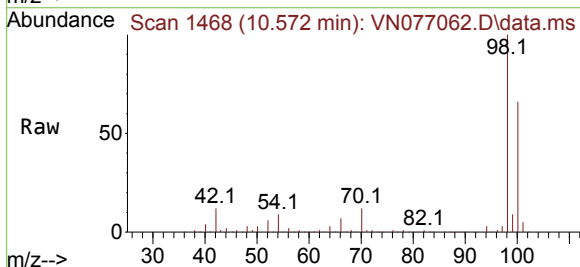
Acq: 20 Mar 2023 12:28

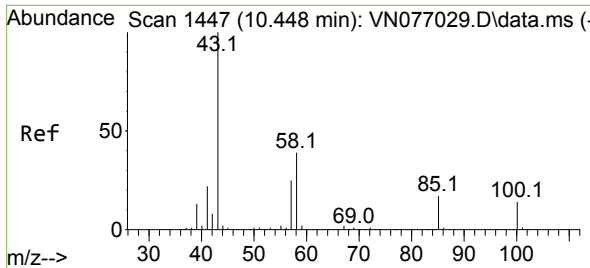
Tgt Ion: 98 Resp: 899973

Ion Ratio Lower Upper

98 100

100 65.9 51.6 77.4

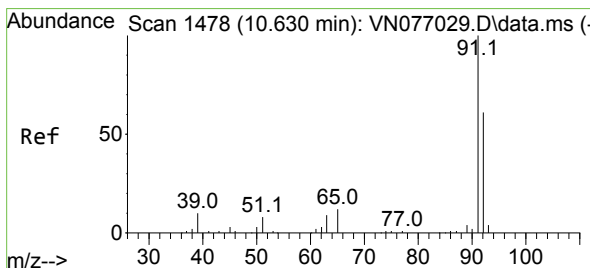
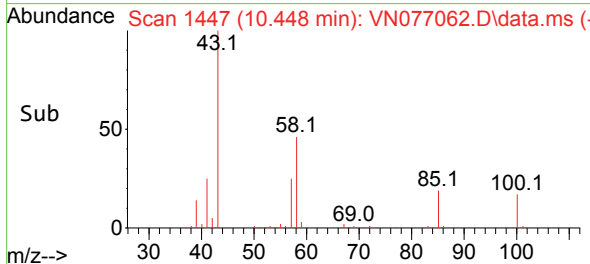
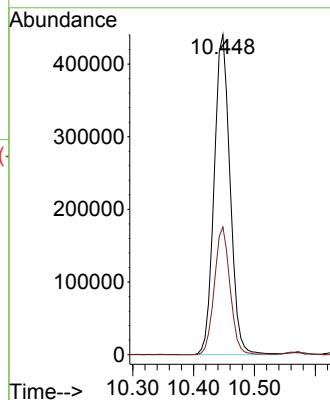
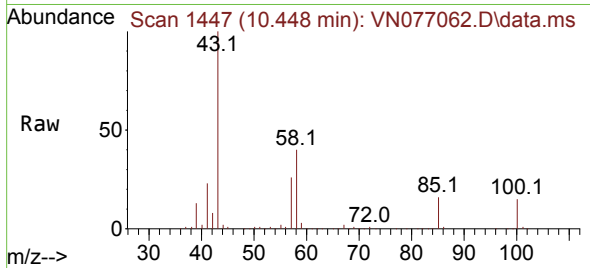




#51  
4-Methyl-2-Pentanone  
Concen: 99.280 ug/l  
RT: 10.448 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

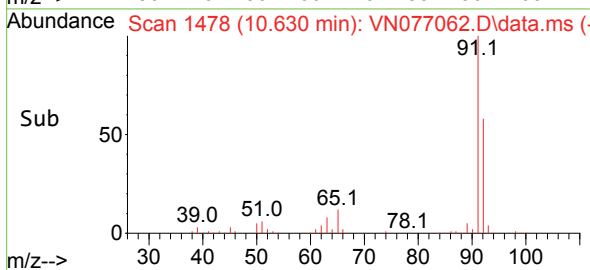
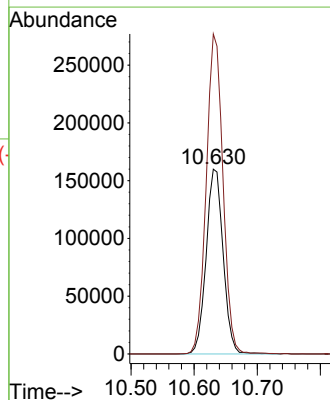
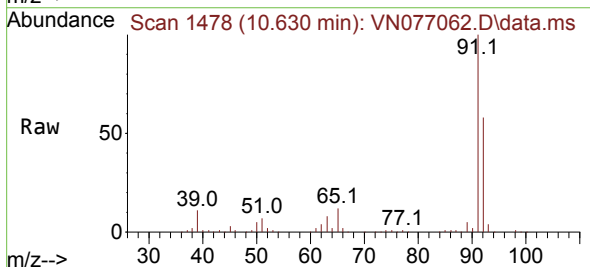
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

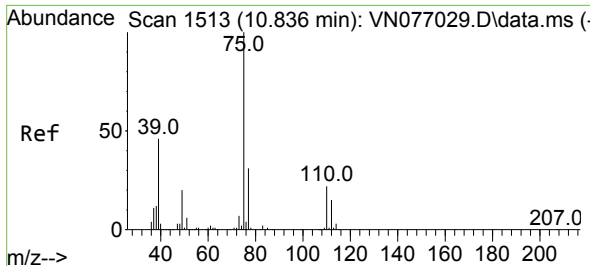
Tgt Ion: 43 Resp: 802547  
Ion Ratio Lower Upper  
43 100  
58 39.1 31.1 46.7



#52  
Toluene  
Concen: 21.257 ug/l  
RT: 10.630 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 92 Resp: 298947  
Ion Ratio Lower Upper  
92 100  
91 170.0 135.8 203.8

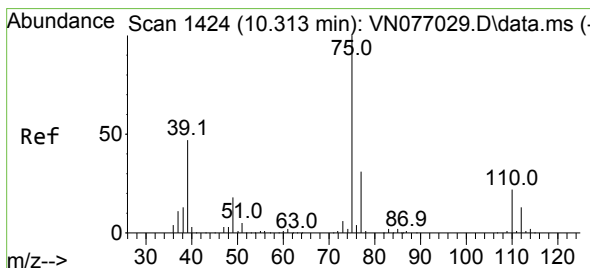
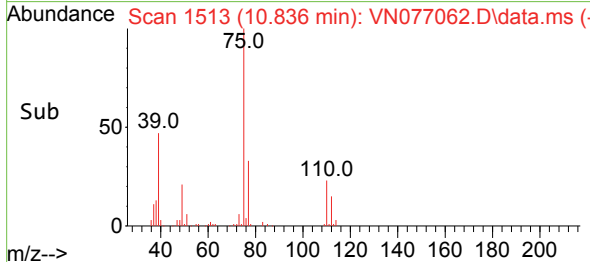
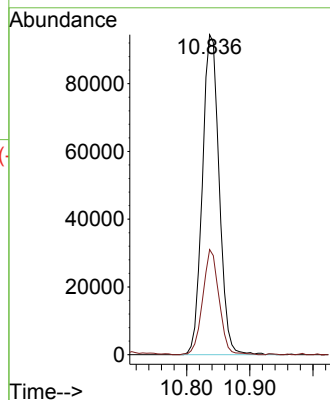
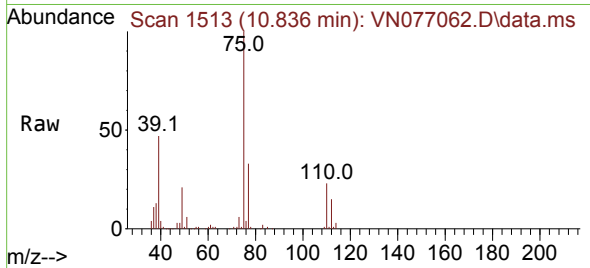




#53  
 t-1,3-Dichloropropene  
 Concen: 21.552 ug/l  
 RT: 10.836 min Scan# 1513  
 Delta R.T. 0.000 min  
 Lab File: VN077062.D  
 Acq: 20 Mar 2023 12:28

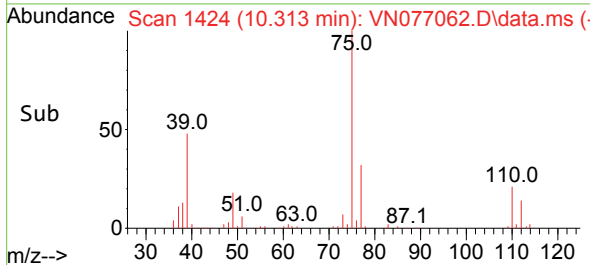
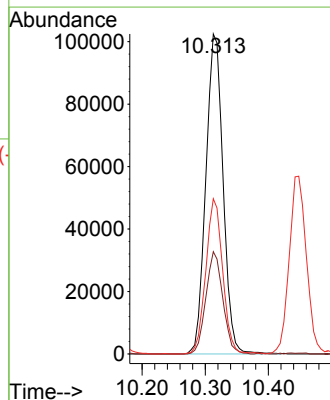
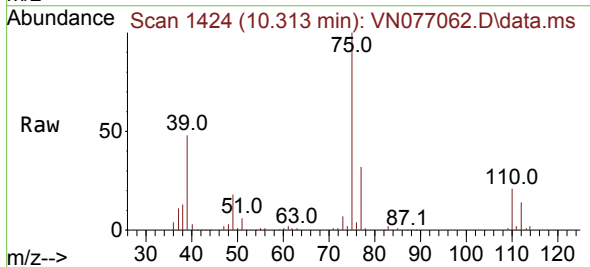
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0320WBS01

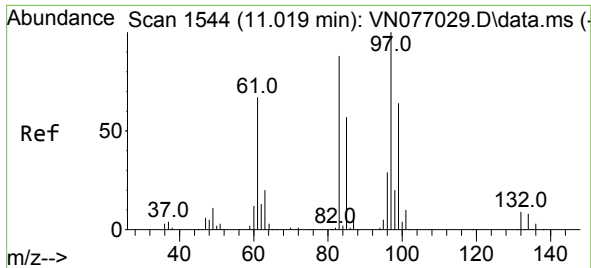
Tgt Ion: 75 Resp: 174795  
 Ion Ratio Lower Upper  
 75 100  
 77 32.9 25.1 37.7



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.224 ug/l  
 RT: 10.313 min Scan# 1424  
 Delta R.T. 0.000 min  
 Lab File: VN077062.D  
 Acq: 20 Mar 2023 12:28

Tgt Ion: 75 Resp: 194214  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 24.5 36.7  
 39 48.5 37.8 56.6

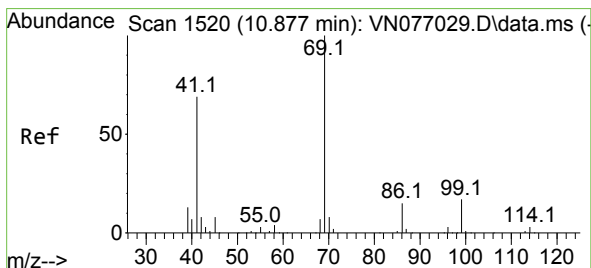
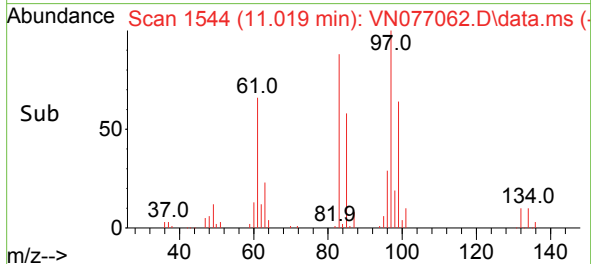
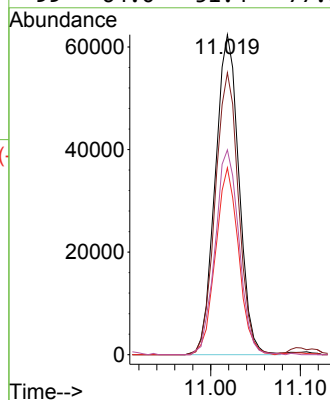
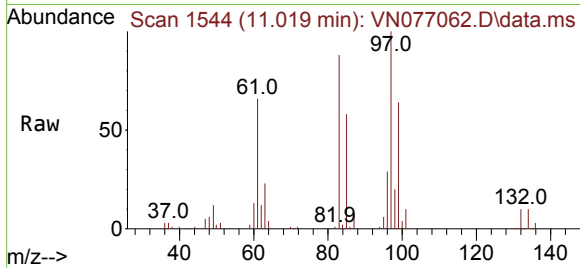




#55  
1,1,2-Trichloroethane  
Concen: 20.644 ug/l  
RT: 11.019 min Scan# 114485  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

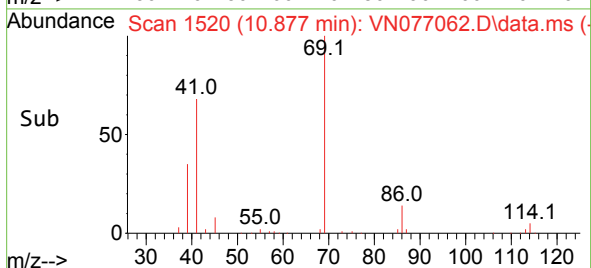
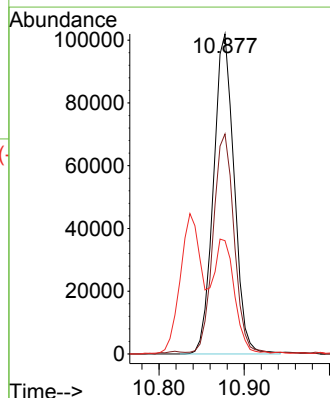
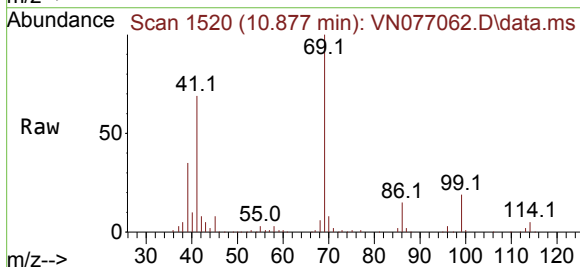
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

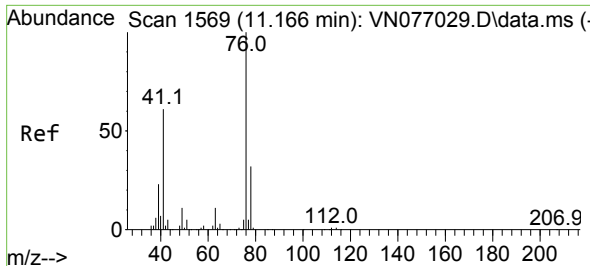
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 114485 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 88.1  | 70.5  | 105.7  |
| 85       | 58.4  | 45.4  | 68.2   |
| 99       | 64.0  | 51.4  | 77.0   |



#56  
Ethyl methacrylate  
Concen: 20.577 ug/l  
RT: 10.877 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 171598 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.2  | 54.9  | 82.3   |
| 39       | 33.3  | 26.6  | 40.0   |

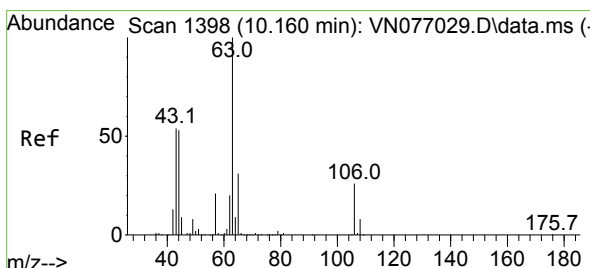
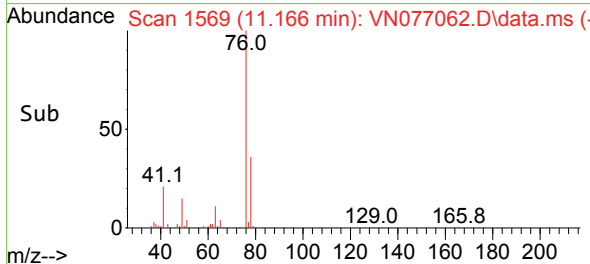
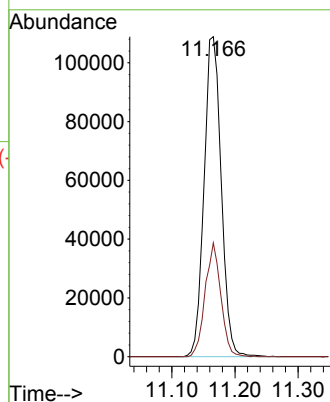
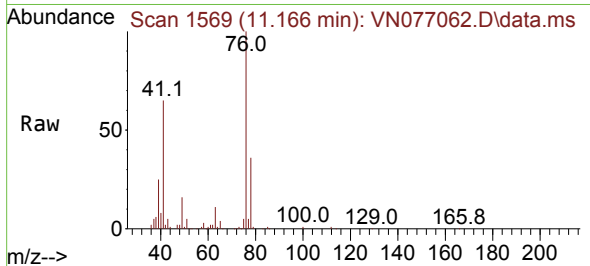




#57  
1,3-Dichloropropane  
Concen: 20.269 ug/l  
RT: 11.166 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

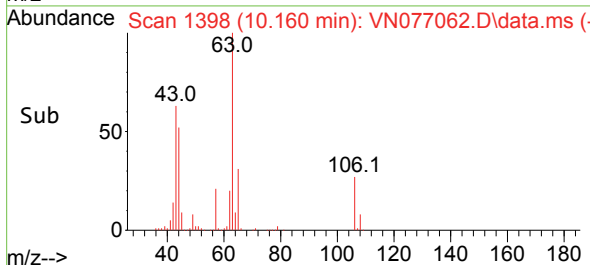
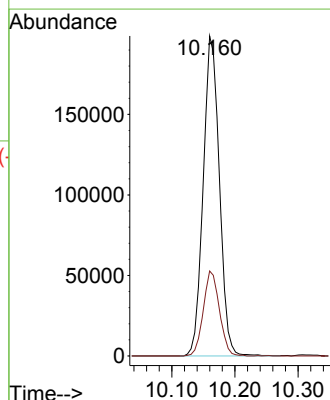
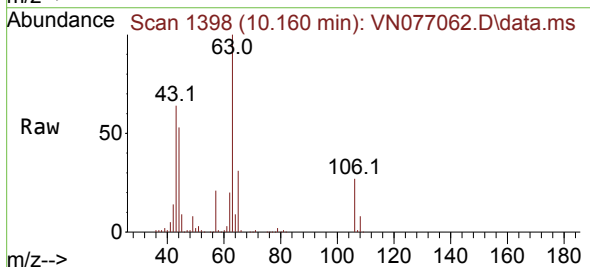
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

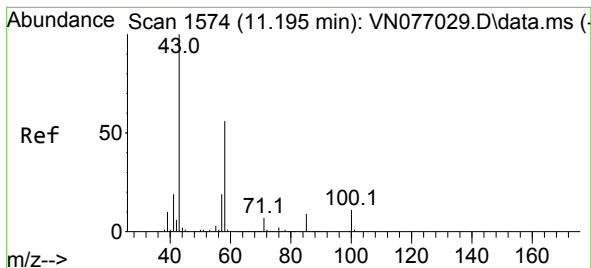
Tgt Ion: 76 Resp: 205799  
Ion Ratio Lower Upper  
76 100  
78 32.5 25.3 37.9



#58  
2-Chloroethyl Vinyl ether  
Concen: 99.313 ug/l  
RT: 10.160 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 63 Resp: 353085  
Ion Ratio Lower Upper  
63 100  
106 26.4 20.6 31.0

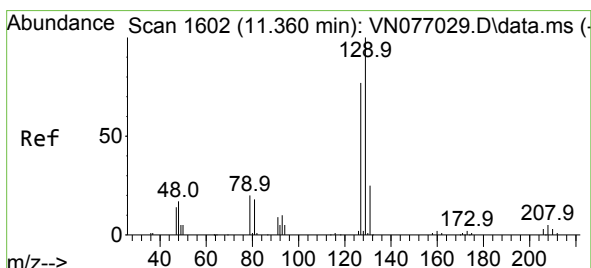
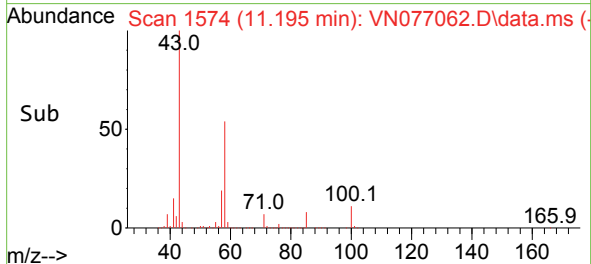
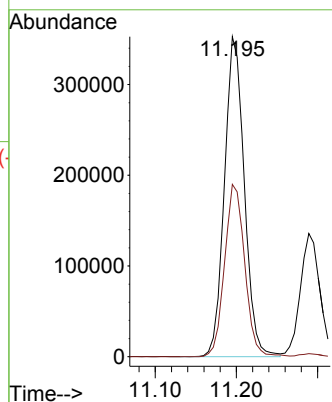
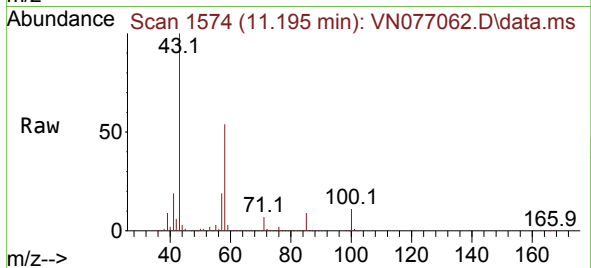




#59  
2-Hexanone  
Concen: 102.404 ug/l  
RT: 11.195 min Scan# 1574  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

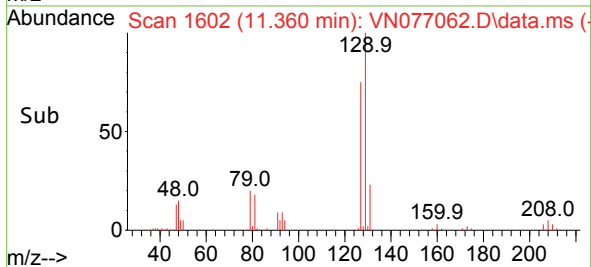
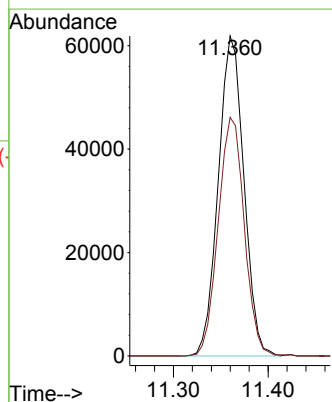
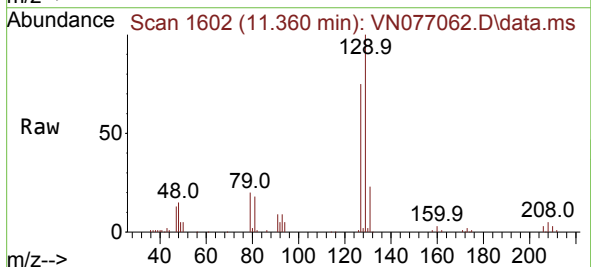
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

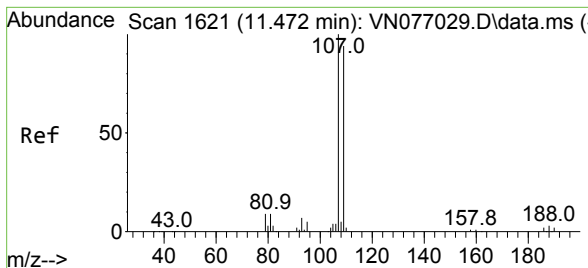
Tgt Ion: 43 Resp: 600414  
Ion Ratio Lower Upper  
43 100  
58 54.6 27.7 83.1



#60  
Dibromochloromethane  
Concen: 20.858 ug/l  
RT: 11.360 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 129 Resp: 116195  
Ion Ratio Lower Upper  
129 100  
127 76.0 38.6 115.7

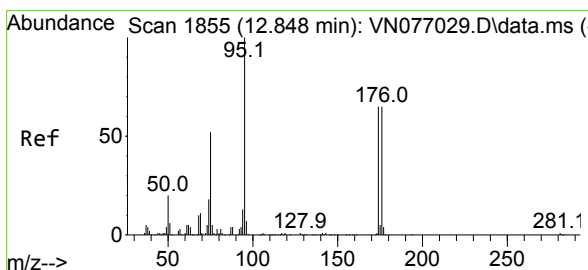
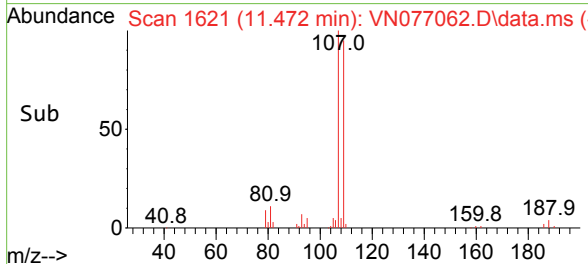
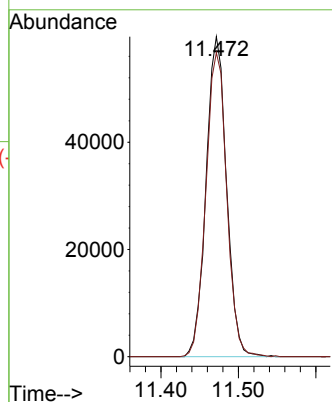
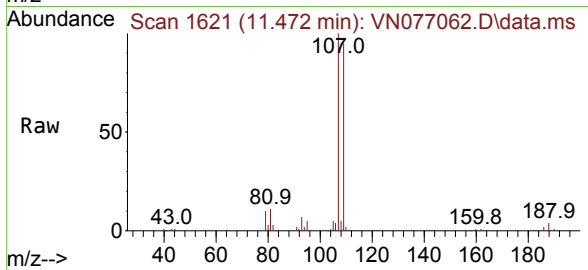




#61  
1,2-Dibromoethane  
Concen: 19.896 ug/l  
RT: 11.472 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

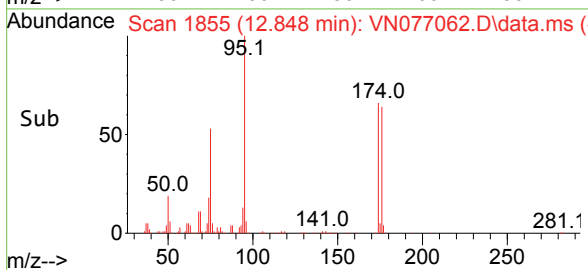
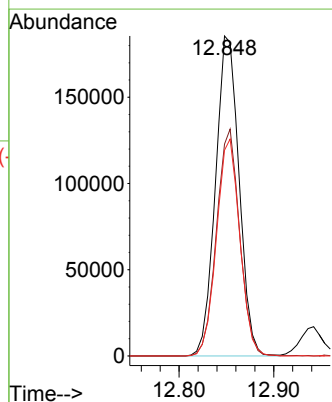
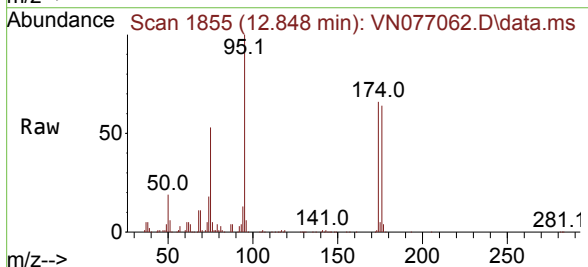
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

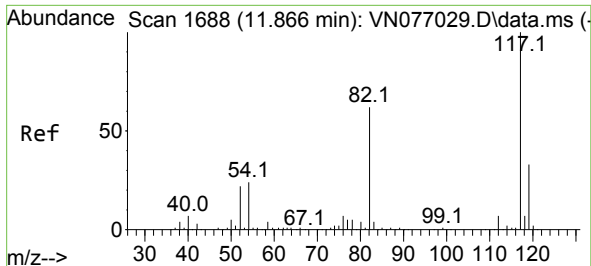
Tgt Ion:107 Resp: 109419  
Ion Ratio Lower Upper  
107 100  
109 96.8 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 51.105 ug/l  
RT: 12.848 min Scan# 1855  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 95 Resp: 320766  
Ion Ratio Lower Upper  
95 100  
174 69.6 0.0 136.6  
176 67.1 0.0 130.0

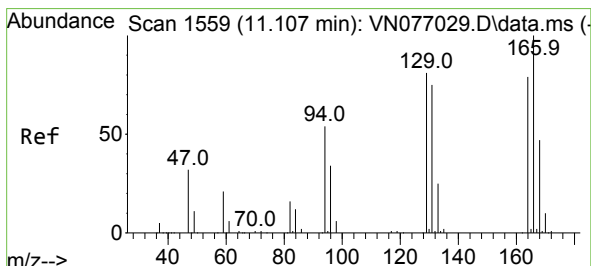
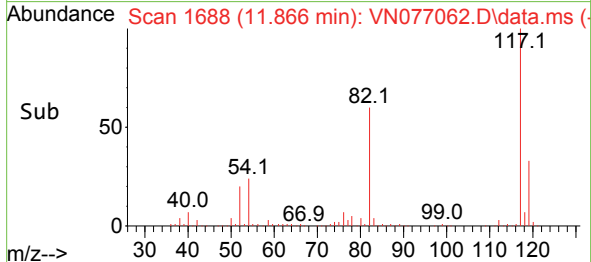
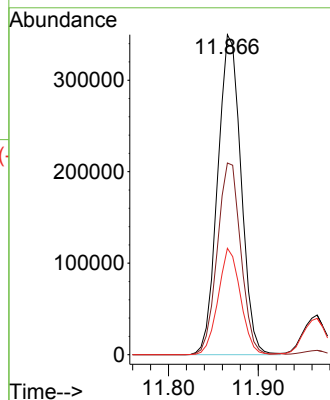
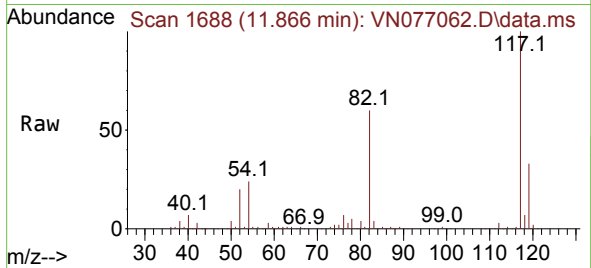




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

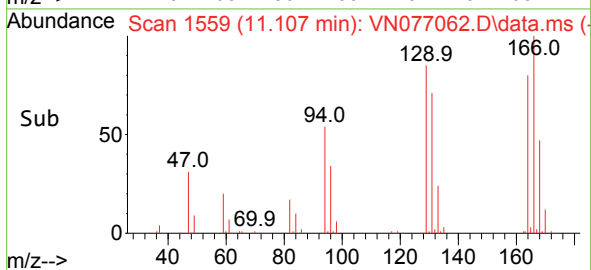
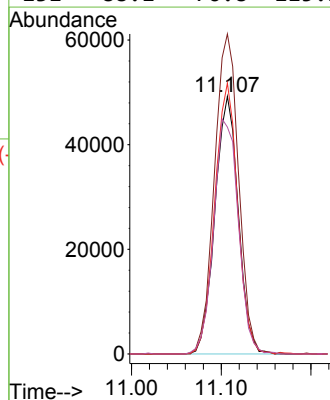
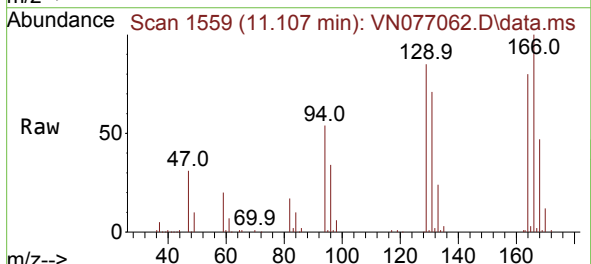
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

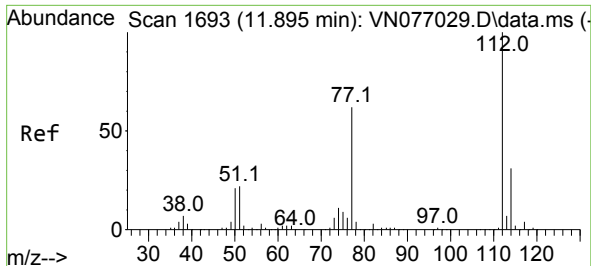
Tgt Ion:117 Resp: 632375  
Ion Ratio Lower Upper  
117 100  
82 59.9 49.4 74.0  
119 33.3 26.5 39.7



#64  
Tetrachloroethene  
Concen: 20.887 ug/l  
RT: 11.107 min Scan# 1559  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion:164 Resp: 88645  
Ion Ratio Lower Upper  
164 100  
166 124.2 101.9 152.9  
129 105.2 82.6 123.8  
131 88.1 76.8 115.2

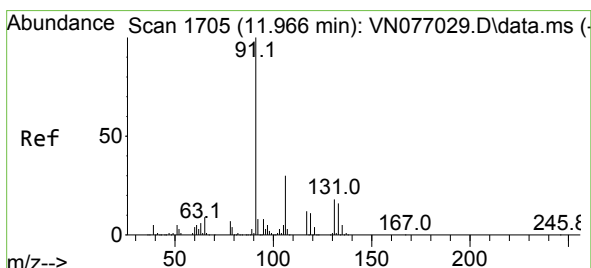
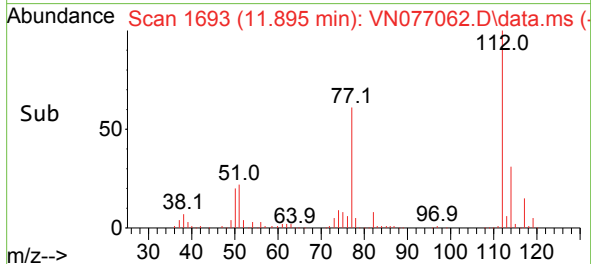
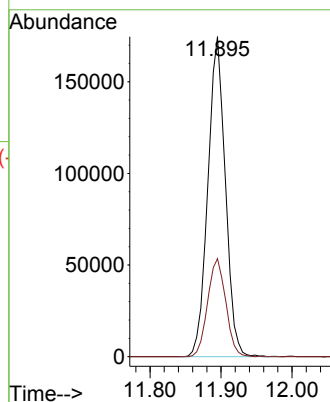
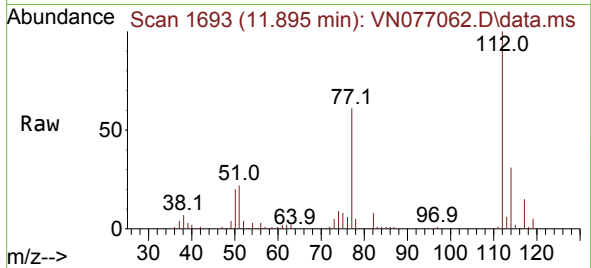




#65  
Chlorobenzene  
Concen: 20.517 ug/l  
RT: 11.895 min Scan# 1112  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

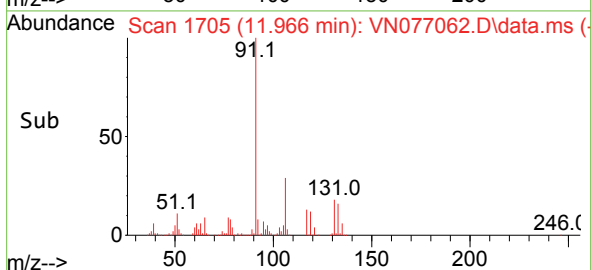
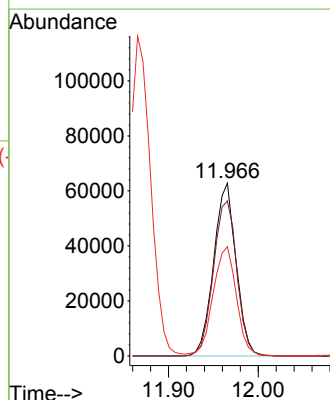
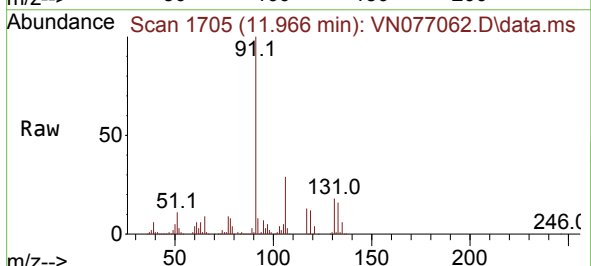
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

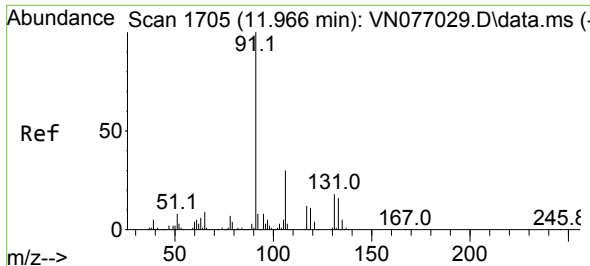
Tgt Ion:112 Resp: 298523  
Ion Ratio Lower Upper  
112 100  
114 30.6 24.8 37.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.267 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion:131 Resp: 109113  
Ion Ratio Lower Upper  
131 100  
133 93.6 46.8 140.3  
119 65.9 32.6 97.8

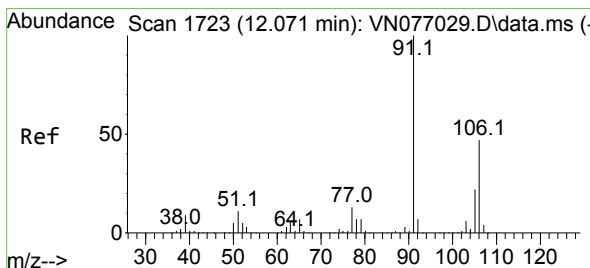
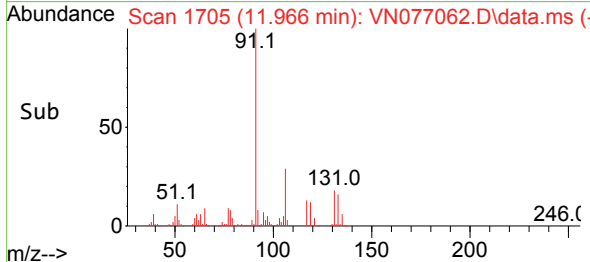
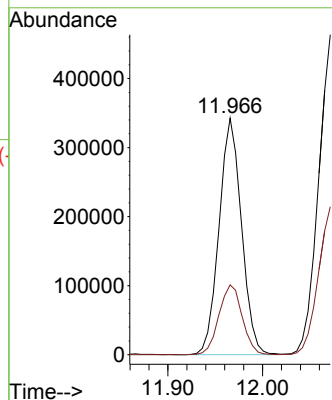
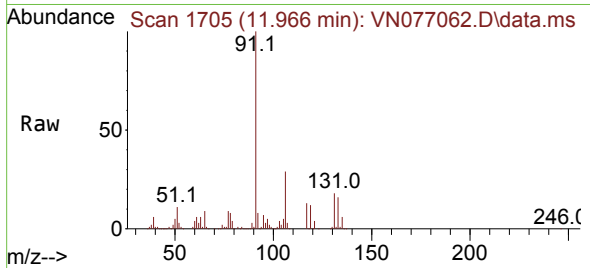




#67  
Ethyl Benzene  
Concen: 21.361 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

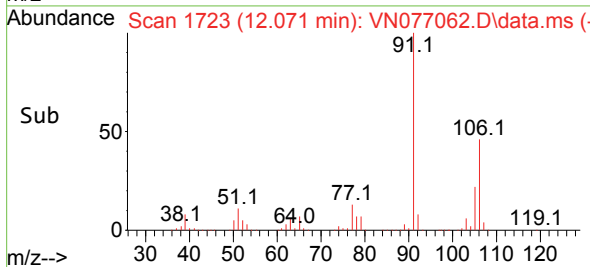
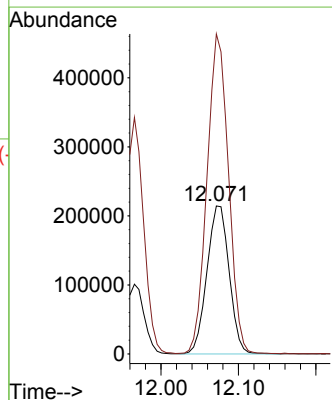
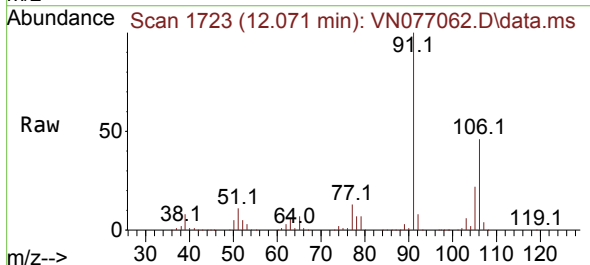
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

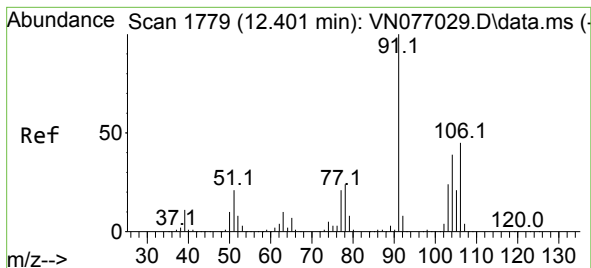
Tgt Ion: 91 Resp: 564558  
Ion Ratio Lower Upper  
91 100  
106 29.5 24.3 36.5



#68  
m/p-Xylenes  
Concen: 43.560 ug/l  
RT: 12.071 min Scan# 1723  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 106 Resp: 426950  
Ion Ratio Lower Upper  
106 100  
91 208.9 168.0 252.0





#69

o-Xylene

Concen: 21.436 ug/l

RT: 12.401 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

Instrument :

MSVOA\_N

ClientSampleId :

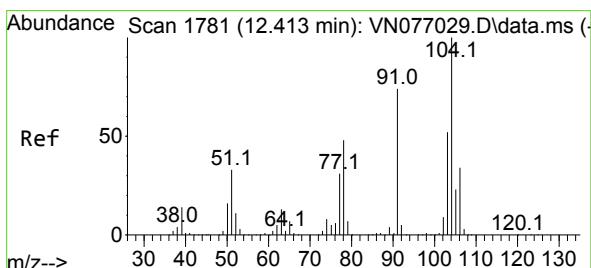
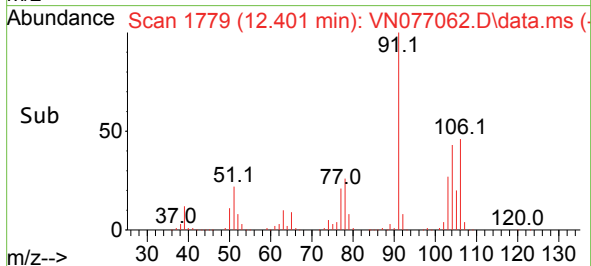
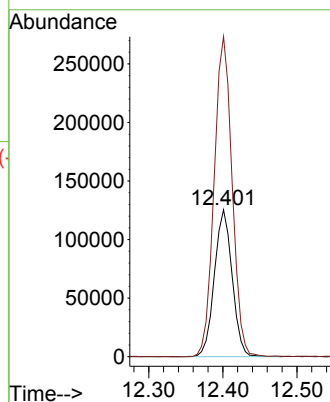
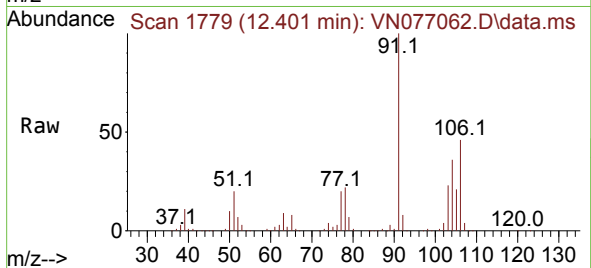
VN0320WBS01

Tgt Ion:106 Resp: 208765

Ion Ratio Lower Upper

106 100

91 220.6 110.3 330.9



#70

Styrene

Concen: 22.364 ug/l

RT: 12.413 min Scan# 1781

Delta R.T. 0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

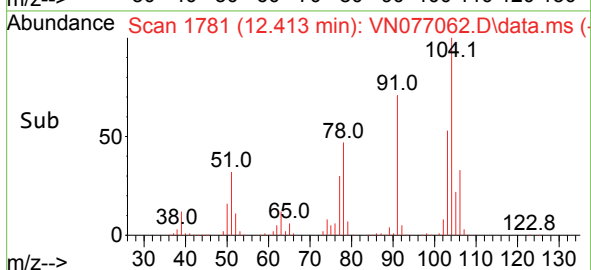
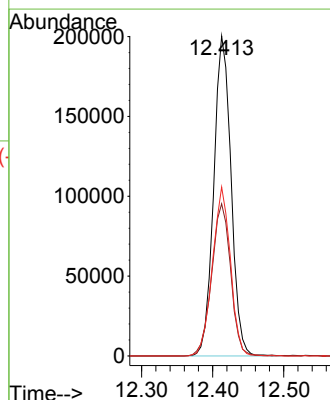
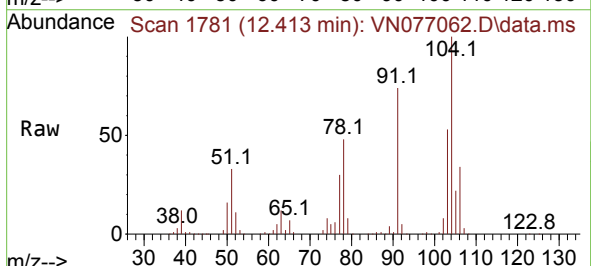
Tgt Ion:104 Resp: 339093

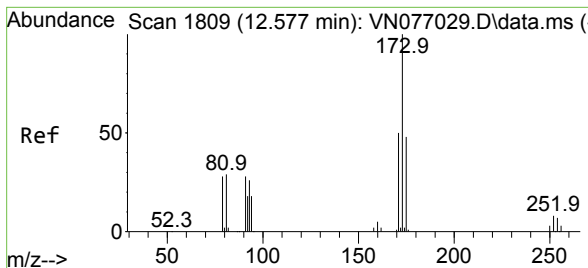
Ion Ratio Lower Upper

104 100

78 51.9 41.8 62.8

103 54.7 43.8 65.6





#71

Bromoform

Concen: 21.110 ug/l

RT: 12.577 min Scan# 1809

Delta R.T. 0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0320WBS01

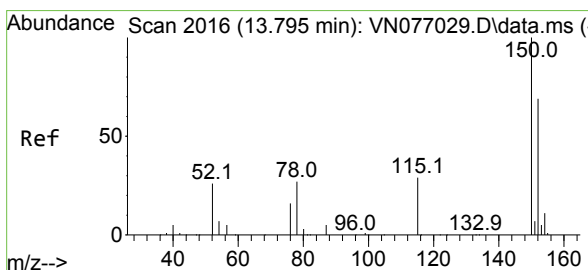
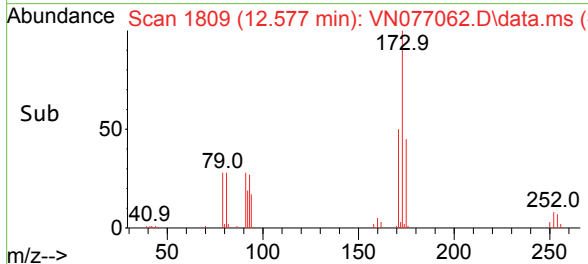
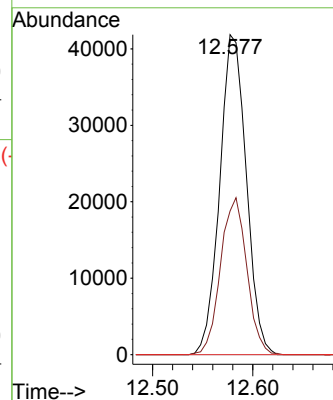
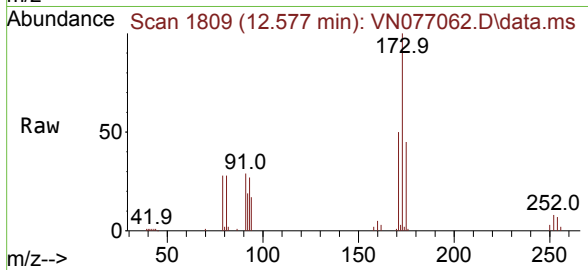
Tgt Ion:173 Resp: 77013

Ion Ratio Lower Upper

173 100

175 48.5 24.5 73.5

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

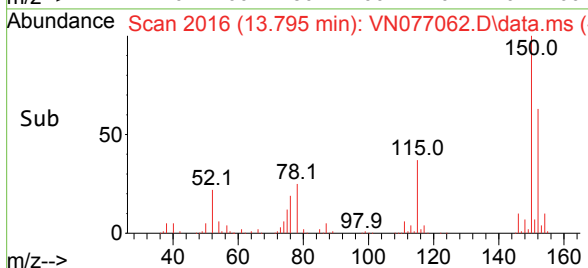
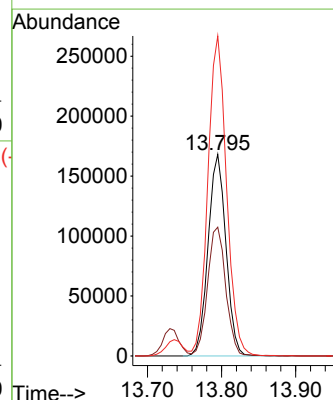
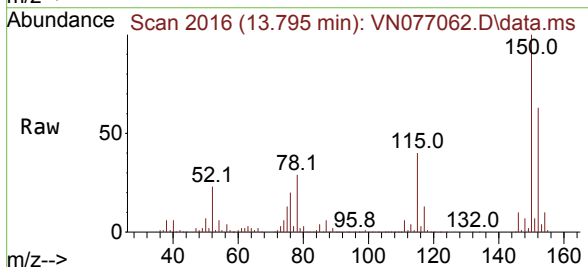
Tgt Ion:152 Resp: 281524

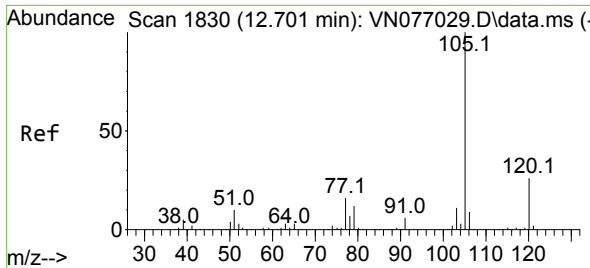
Ion Ratio Lower Upper

152 100

115 65.1 31.9 95.7

150 165.8 0.0 348.0

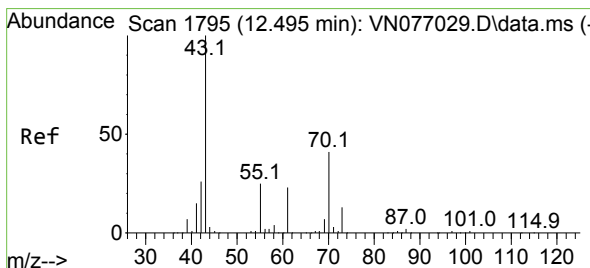
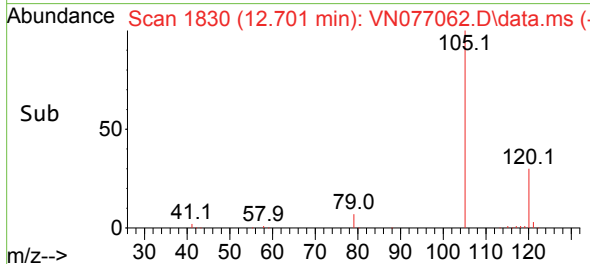
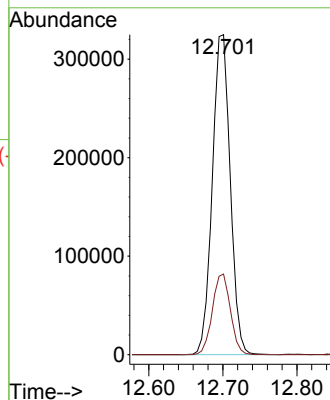
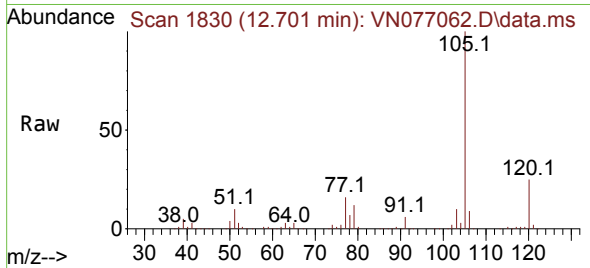




#73  
Isopropylbenzene  
Concen: 21.611 ug/l  
RT: 12.701 min Scan# 1830  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

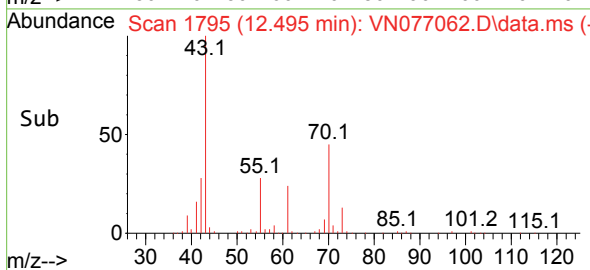
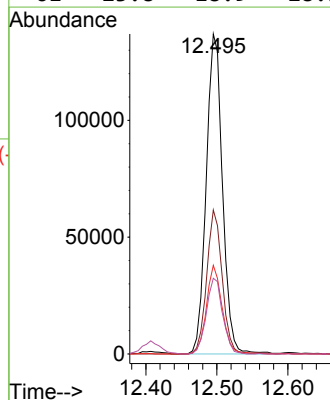
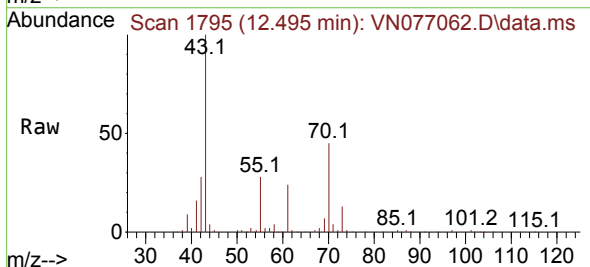
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

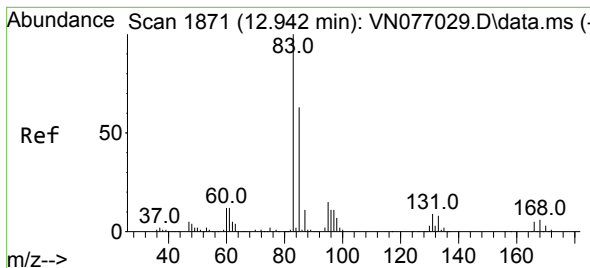
Tgt Ion:105 Resp: 545216  
Ion Ratio Lower Upper  
105 100  
120 25.4 12.8 38.4



#74  
N-ethyl acetate  
Concen: 19.986 ug/l  
RT: 12.495 min Scan# 1795  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 43 Resp: 218245  
Ion Ratio Lower Upper  
43 100  
70 42.8 33.6 50.4  
55 26.9 20.3 30.5  
61 23.8 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.562 ug/l

RT: 12.942 min Scan# 1871

Delta R.T. 0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0320WBS01

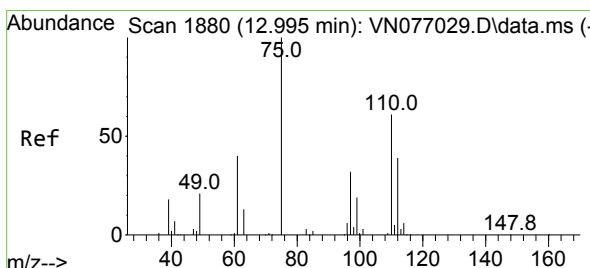
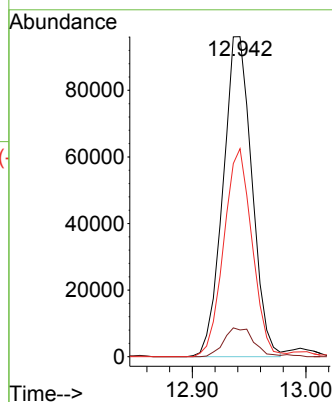
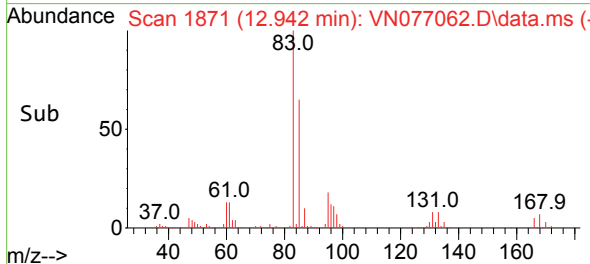
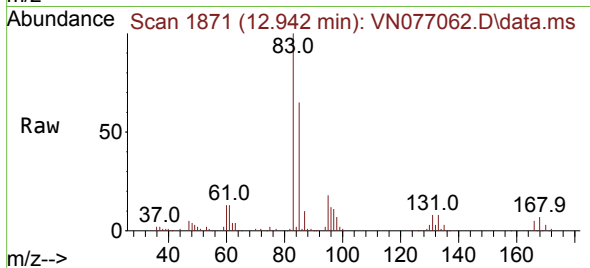
Tgt Ion: 83 Resp: 169660

Ion Ratio Lower Upper

83 100

131 9.6 4.5 13.7

85 63.9 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 28.710 ug/l

RT: 12.995 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN077062.D

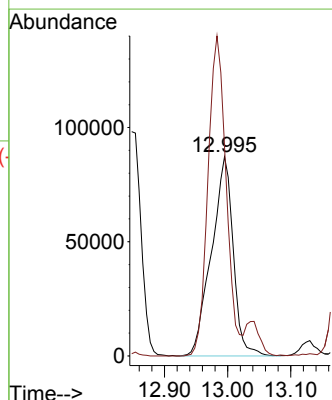
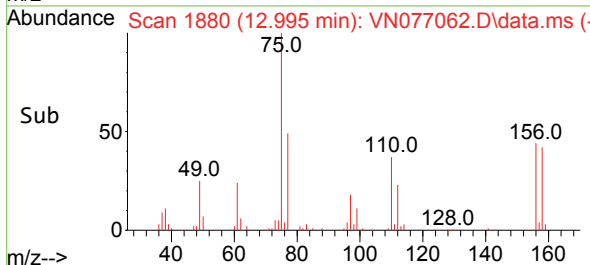
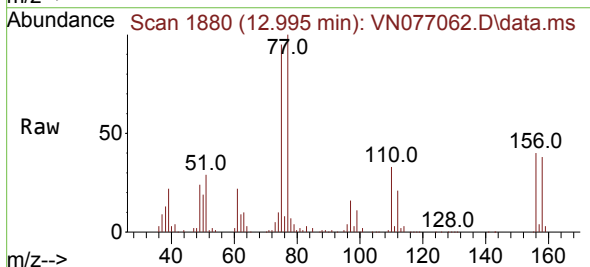
Acq: 20 Mar 2023 12:28

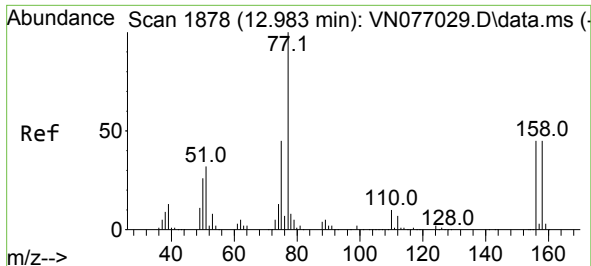
Tgt Ion: 75 Resp: 209066

Ion Ratio Lower Upper

75 100

77 134.6 107.3 322.0

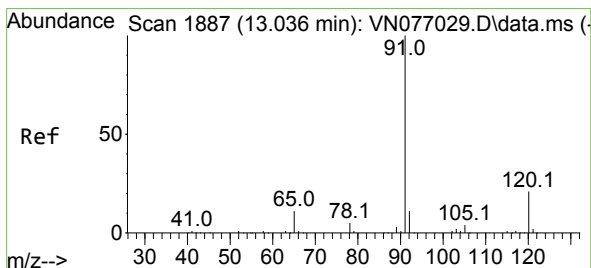
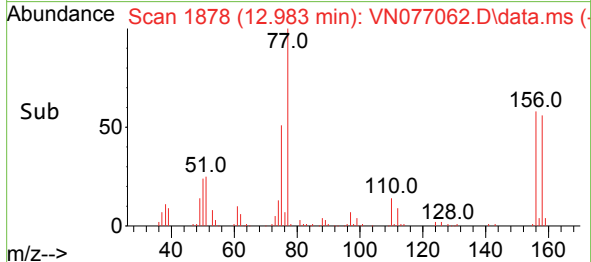
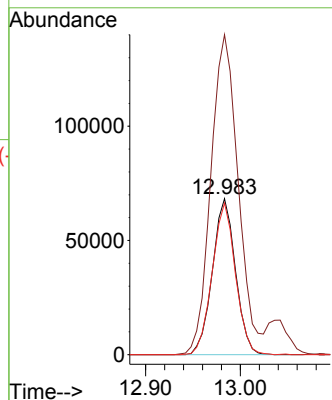
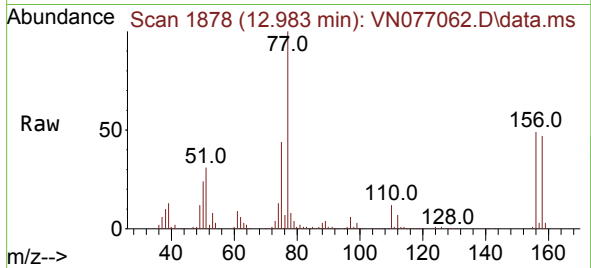




#77  
Bromobenzene  
Concen: 20.408 ug/l  
RT: 12.983 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

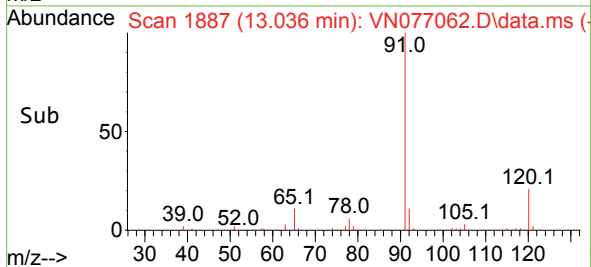
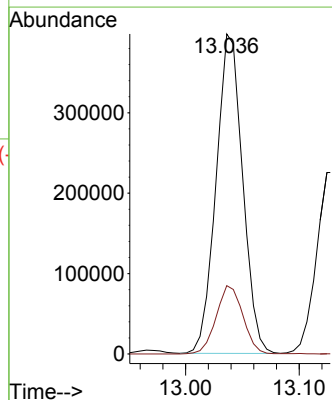
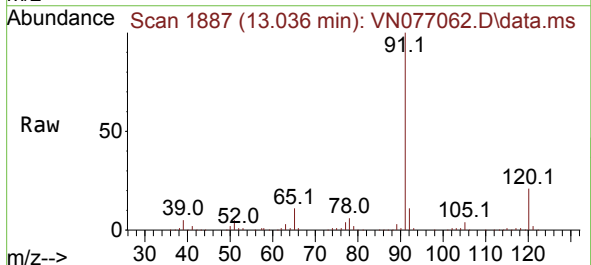
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

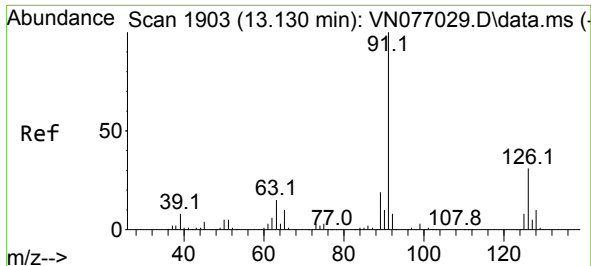
Tgt Ion:156 Resp: 115337  
Ion Ratio Lower Upper  
156 100  
77 243.9 124.8 374.3  
158 98.0 48.6 145.9



#78  
n-propylbenzene  
Concen: 22.192 ug/l  
RT: 13.036 min Scan# 1887  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 91 Resp: 646321  
Ion Ratio Lower Upper  
91 100  
120 21.5 10.8 32.3

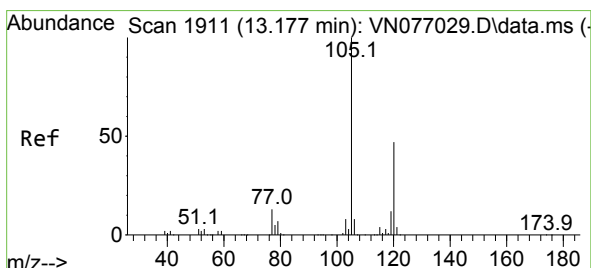
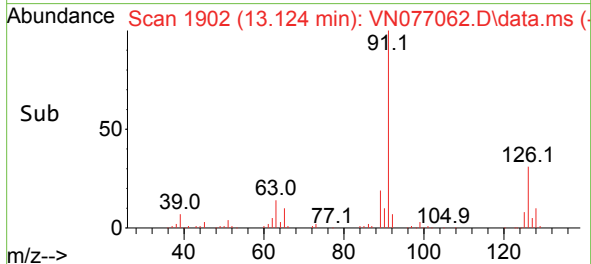
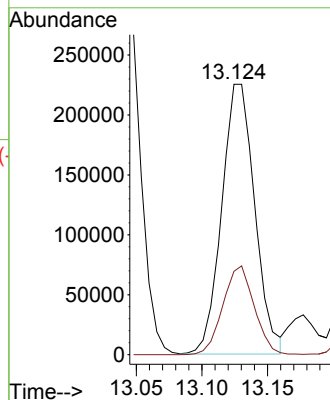
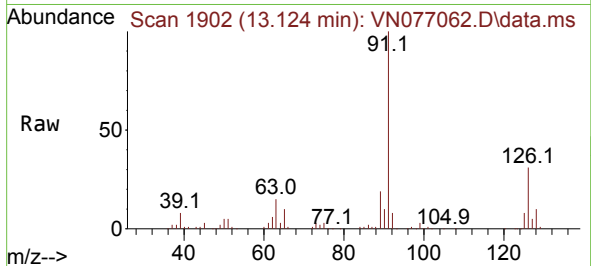




#79  
2-Chlorotoluene  
Concen: 21.282 ug/l  
RT: 13.124 min Scan# 1902  
Delta R.T. -0.006 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

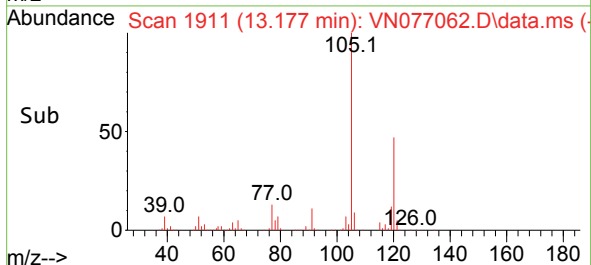
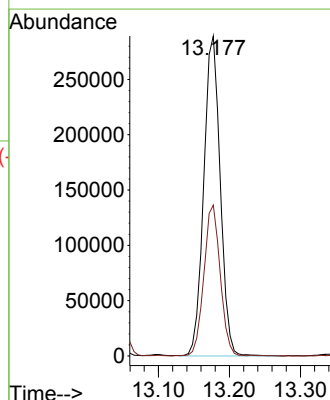
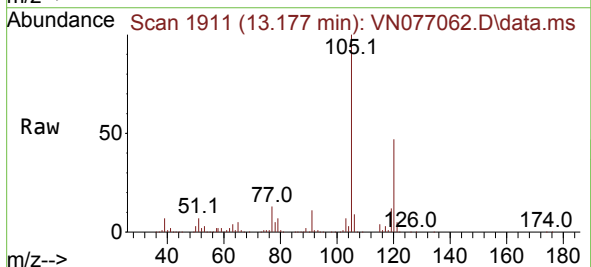
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

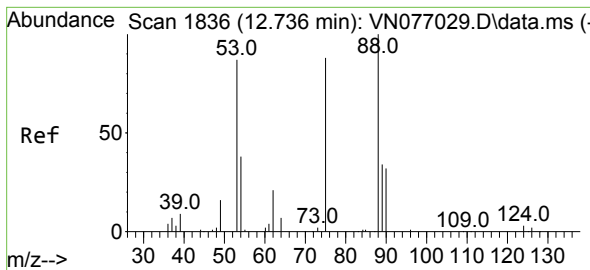
Tgt Ion: 91 Resp: 394951  
Ion Ratio Lower Upper  
91 100  
126 31.2 15.2 45.5



#80  
1,3,5-Trimethylbenzene  
Concen: 22.205 ug/l  
RT: 13.177 min Scan# 1911  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 105 Resp: 467737  
Ion Ratio Lower Upper  
105 100  
120 46.7 23.4 70.2

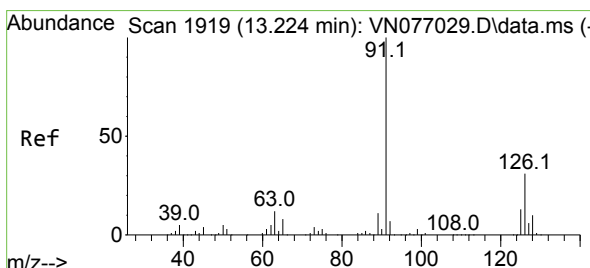
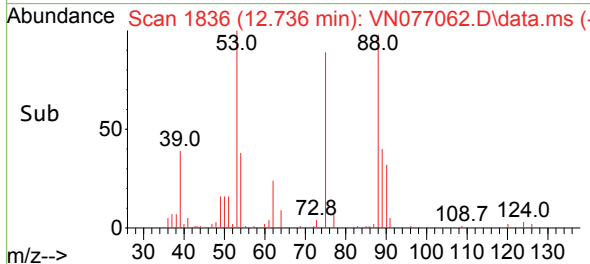
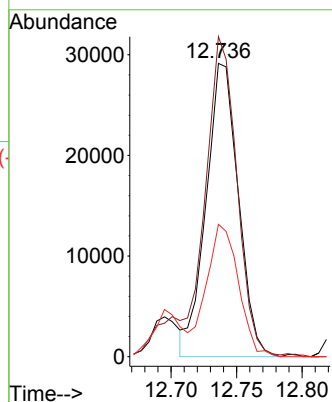
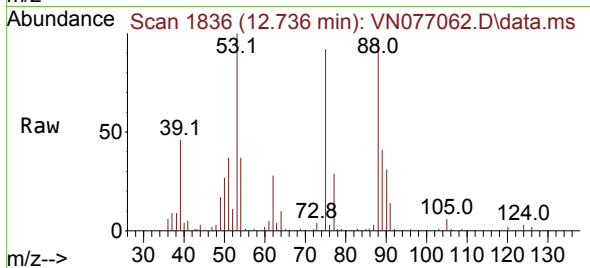




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.843 ug/l  
RT: 12.736 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

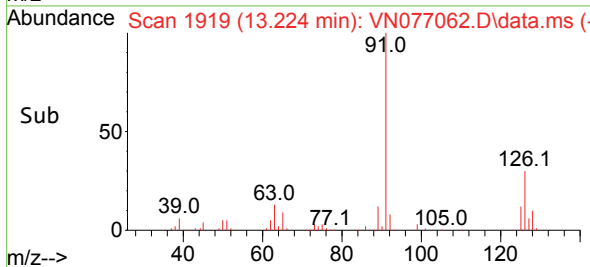
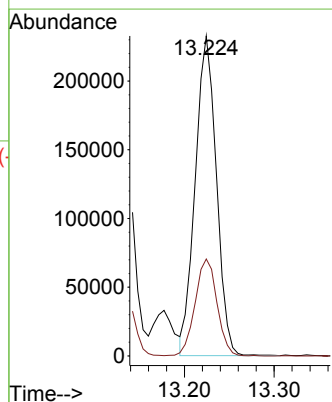
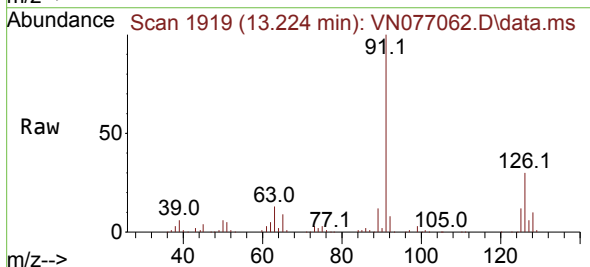
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

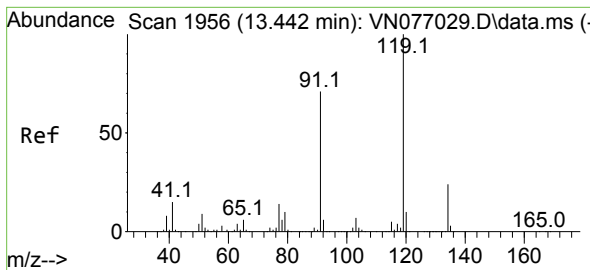
Tgt Ion: 75 Resp: 49850  
Ion Ratio Lower Upper  
75 100  
53 118.3 80.8 121.2  
89 44.8 34.2 51.4



#82  
4-Chlorotoluene  
Concen: 21.539 ug/l  
RT: 13.224 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 91 Resp: 380109  
Ion Ratio Lower Upper  
91 100  
126 31.5 15.5 46.5

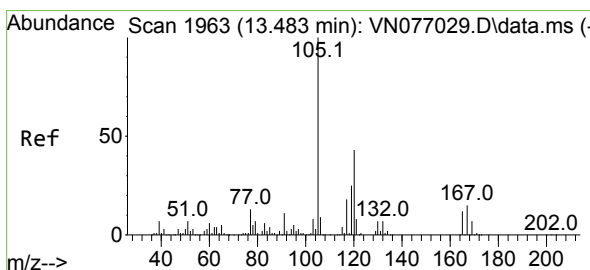
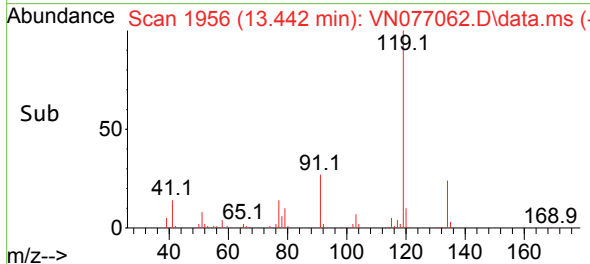
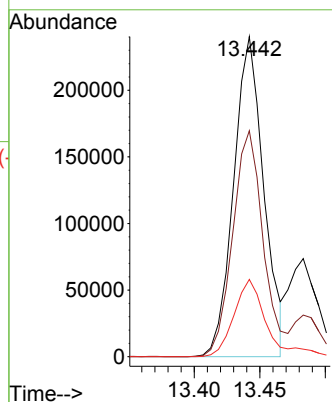
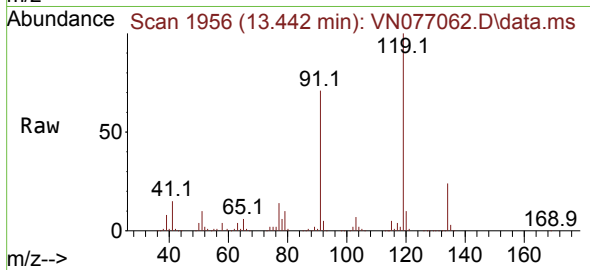




#83  
tert-Butylbenzene  
Concen: 21.736 ug/l  
RT: 13.442 min Scan# 1956  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

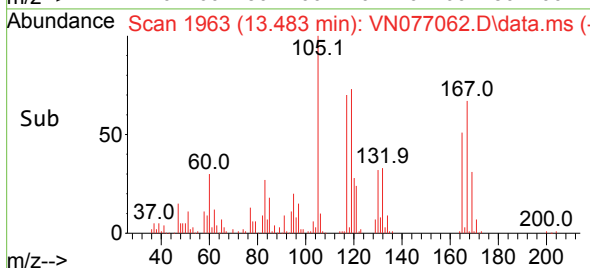
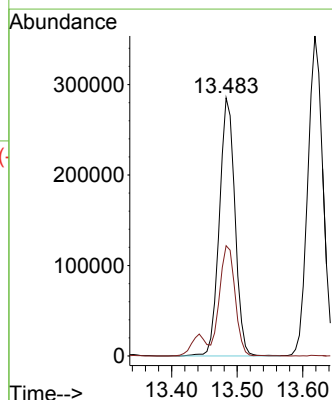
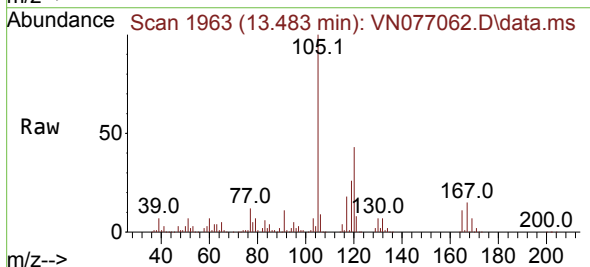
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

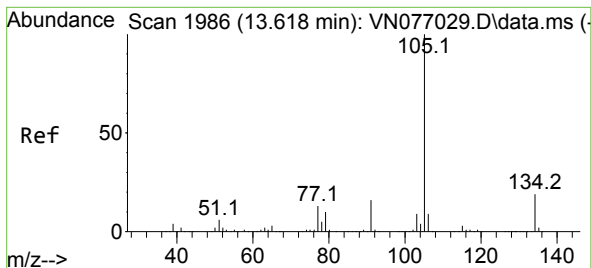
Tgt Ion:119 Resp: 384420  
Ion Ratio Lower Upper  
119 100  
91 71.9 35.8 107.3  
134 26.0 13.3 39.8



#84  
1,2,4-Trimethylbenzene  
Concen: 22.288 ug/l  
RT: 13.483 min Scan# 1963  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion:105 Resp: 468504  
Ion Ratio Lower Upper  
105 100  
120 42.5 21.8 65.3





#85

sec-Butylbenzene

Concen: 22.483 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

Instrument :

MSVOA\_N

ClientSampleId :

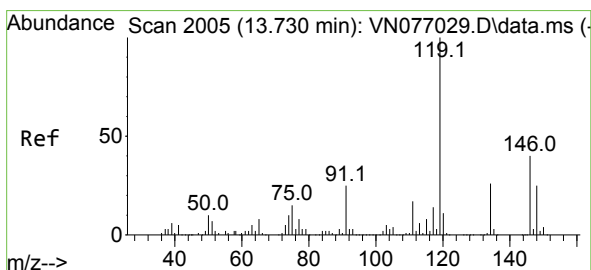
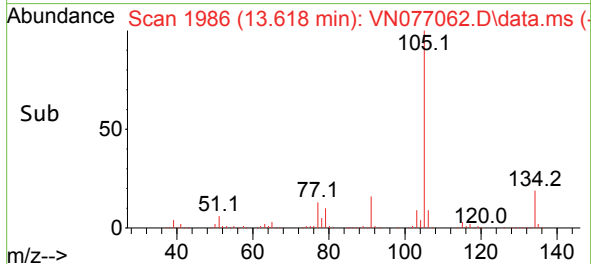
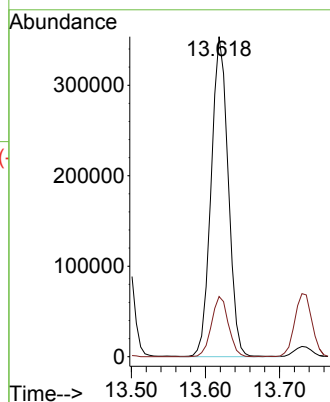
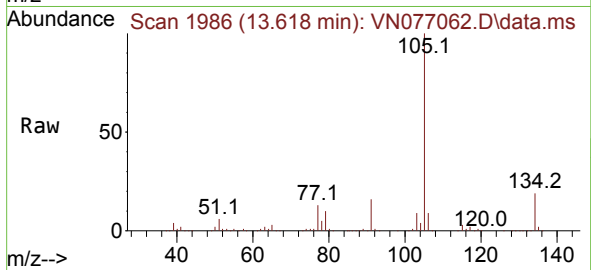
VN0320WBS01

Tgt Ion:105 Resp: 565627

Ion Ratio Lower Upper

105 100

134 18.6 9.3 27.9



#86

p-Isopropyltoluene

Concen: 22.626 ug/l

RT: 13.730 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VN077062.D

Acq: 20 Mar 2023 12:28

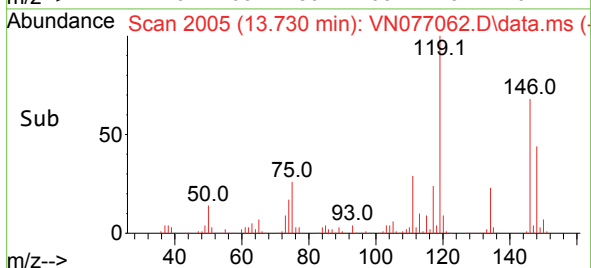
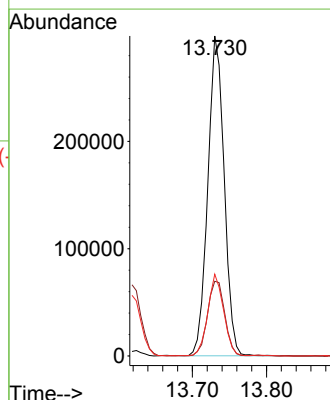
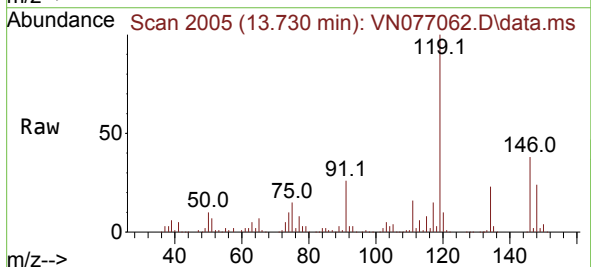
Tgt Ion:119 Resp: 457115

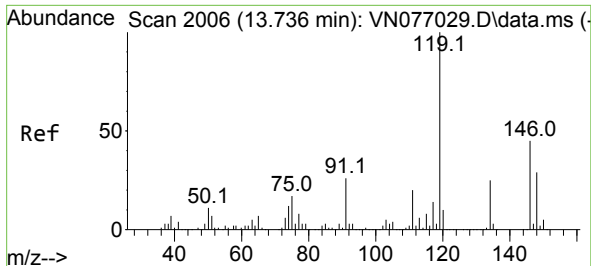
Ion Ratio Lower Upper

119 100

134 24.9 12.8 38.4

91 24.5 12.7 38.1

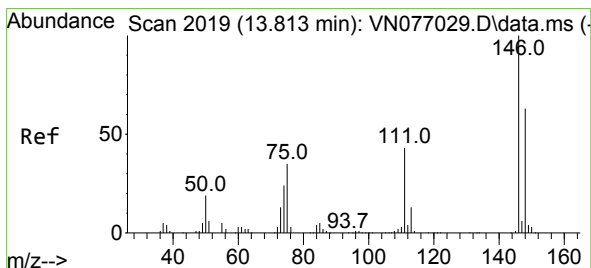
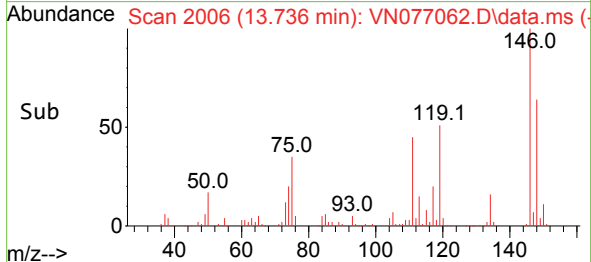
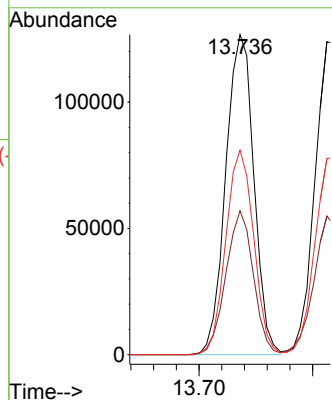
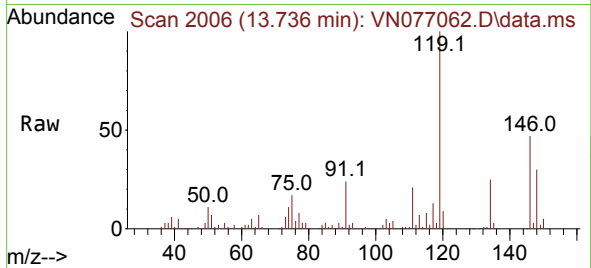




#87  
1,3-Dichlorobenzene  
Concen: 20.390 ug/l  
RT: 13.736 min Scan# 2006  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

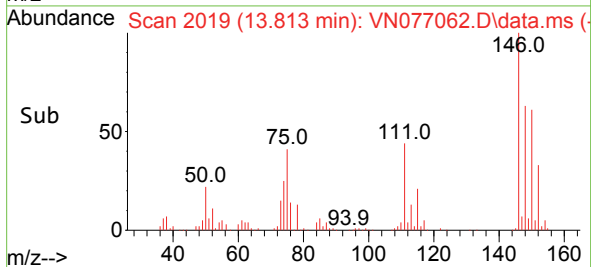
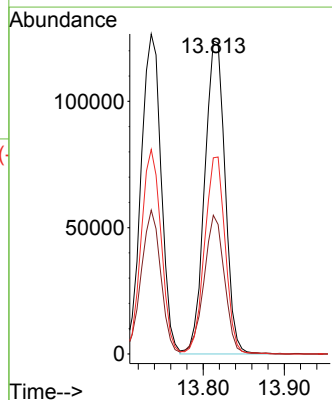
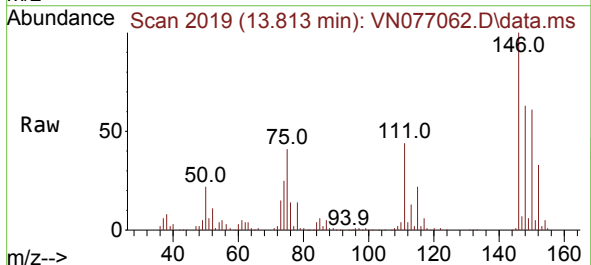
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

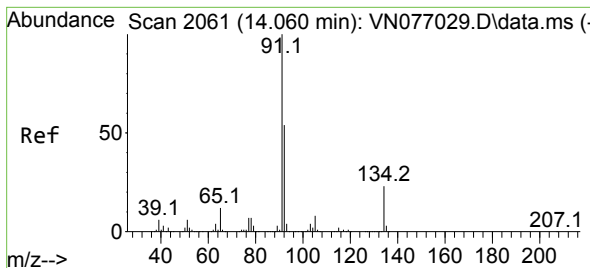
Tgt Ion:146 Resp: 217798  
Ion Ratio Lower Upper  
146 100  
111 44.0 21.9 65.5  
148 63.7 32.1 96.5



#88  
1,4-Dichlorobenzene  
Concen: 20.325 ug/l  
RT: 13.813 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion:146 Resp: 216005  
Ion Ratio Lower Upper  
146 100  
111 44.2 21.5 64.5  
148 63.5 31.9 95.9

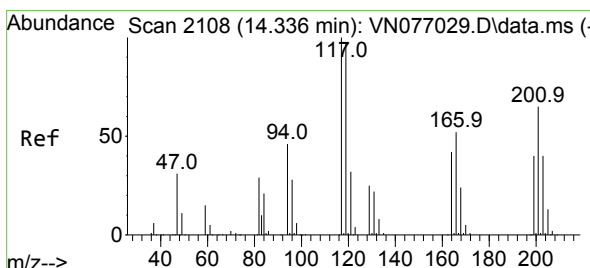
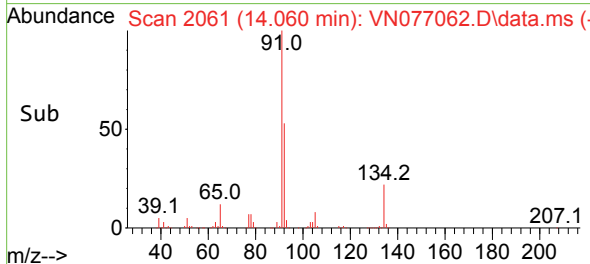
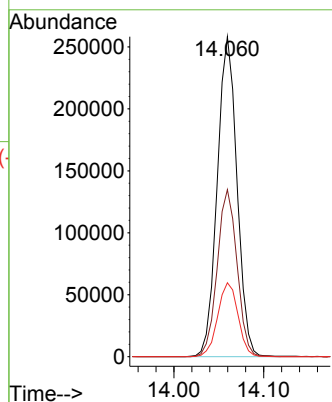
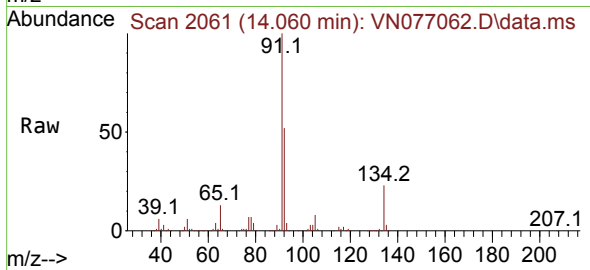




#89  
n-Butylbenzene  
Concen: 22.242 ug/l  
RT: 14.060 min Scan# 2061  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

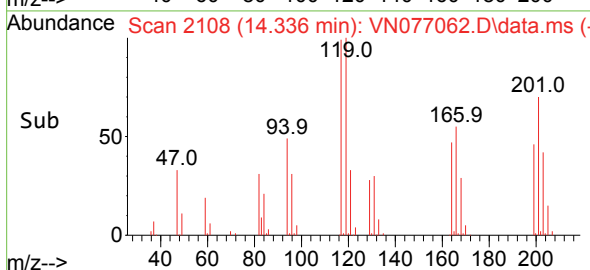
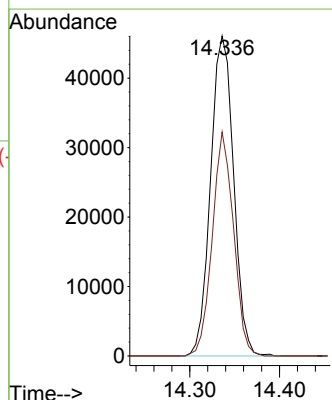
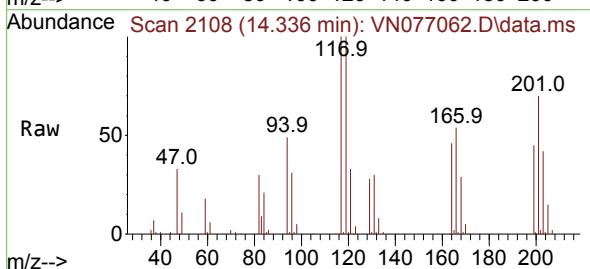
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

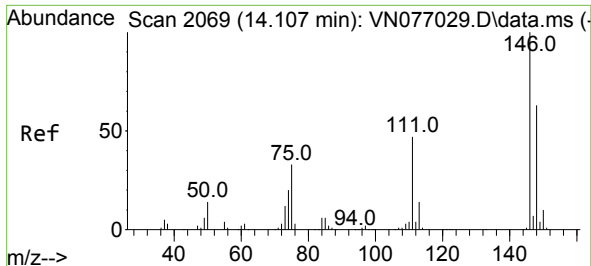
Tgt Ion: 91 Resp: 394208  
Ion Ratio Lower Upper  
91 100  
92 52.4 26.5 79.5  
134 23.8 11.7 35.1



#90  
Hexachloroethane  
Concen: 20.000 ug/l  
RT: 14.336 min Scan# 2108  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 117 Resp: 82150  
Ion Ratio Lower Upper  
117 100  
201 64.6 32.5 97.4

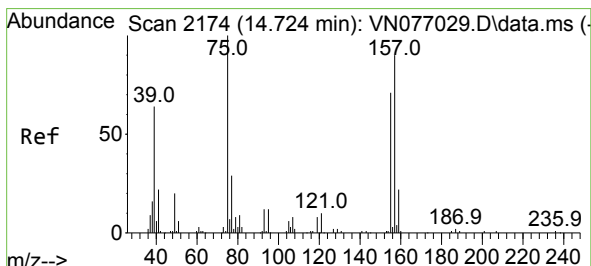
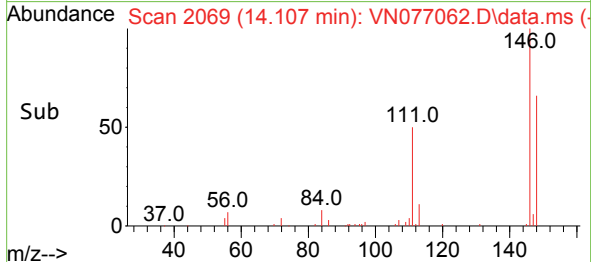
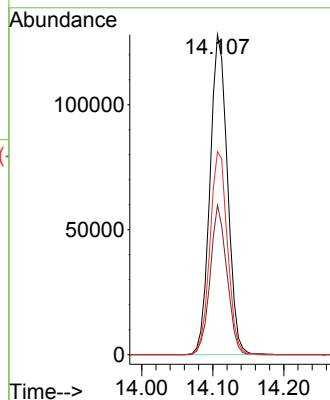
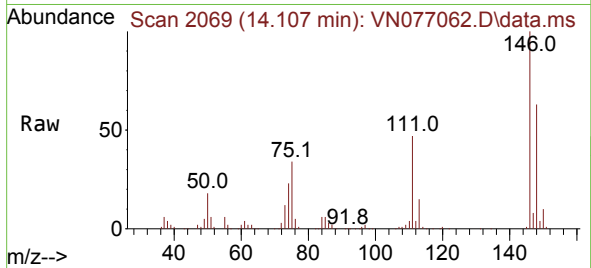




#91  
1,2-Dichlorobenzene  
Concen: 20.538 ug/l  
RT: 14.107 min Scan# 2069  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

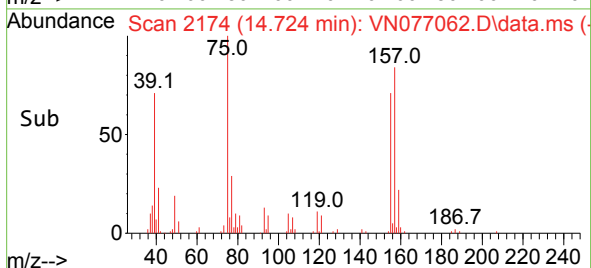
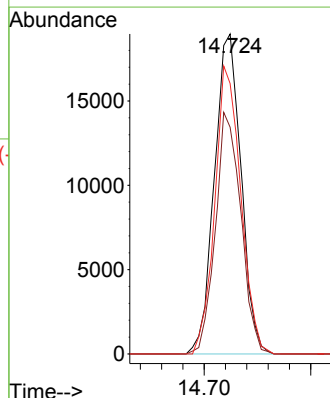
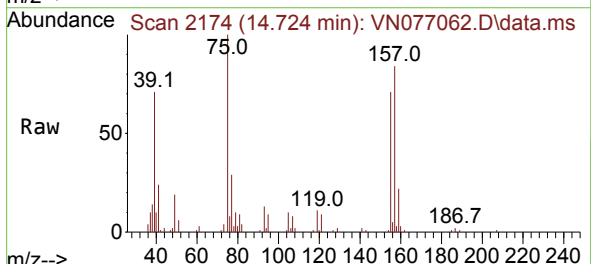
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

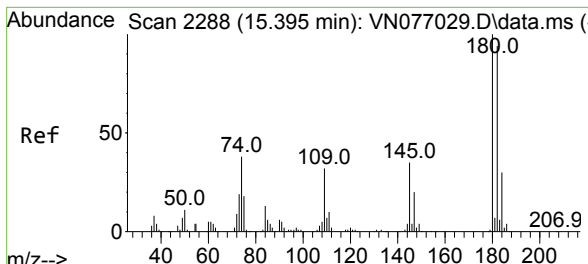
Tgt Ion:146 Resp: 218669  
Ion Ratio Lower Upper  
146 100  
111 44.9 22.6 67.7  
148 63.8 31.6 95.0



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 19.445 ug/l  
RT: 14.724 min Scan# 2174  
Delta R.T. 0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion: 75 Resp: 32933  
Ion Ratio Lower Upper  
75 100  
155 72.2 36.1 108.3  
157 87.7 45.8 137.3

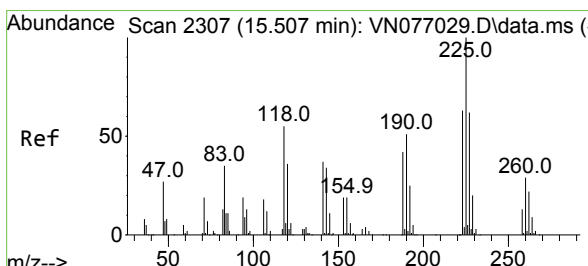
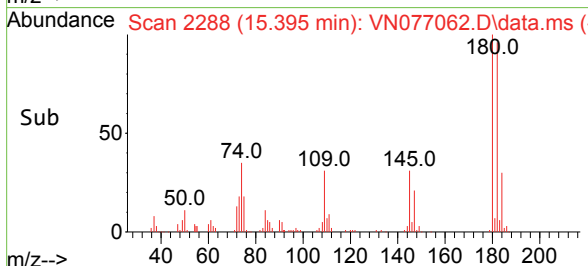
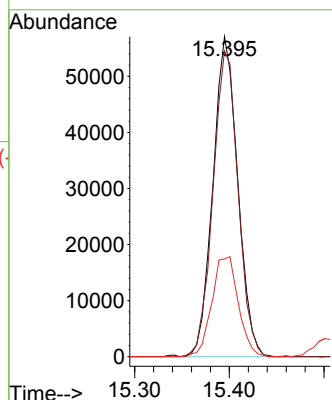
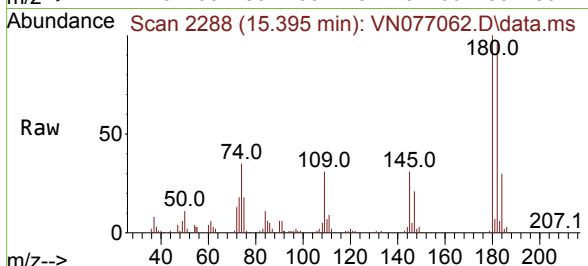




#93  
1,2,4-Trichlorobenzene  
Concen: 21.557 ug/l  
RT: 15.395 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

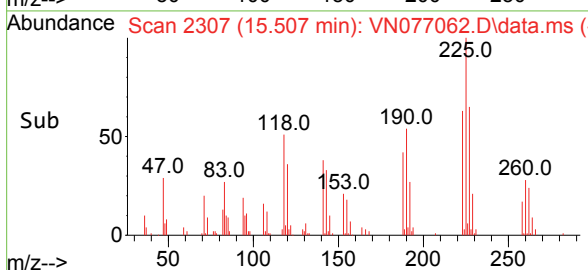
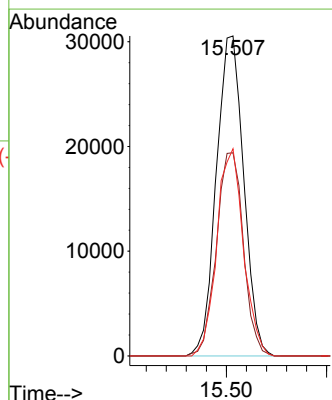
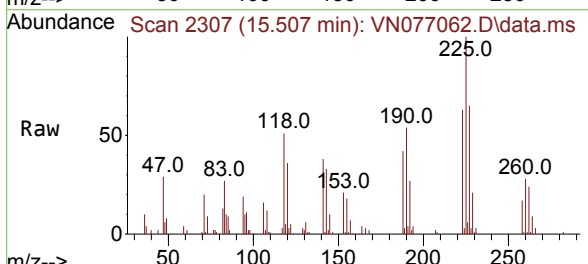
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

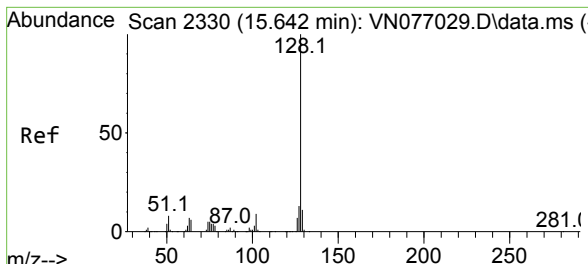
Tgt Ion:180 Resp: 103760  
Ion Ratio Lower Upper  
180 100  
182 96.6 47.3 141.9  
145 33.4 16.9 50.7



#94  
Hexachlorobutadiene  
Concen: 21.797 ug/l  
RT: 15.507 min Scan# 2307  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Tgt Ion:225 Resp: 57779  
Ion Ratio Lower Upper  
225 100  
223 62.5 31.6 95.0  
227 62.9 31.3 93.8

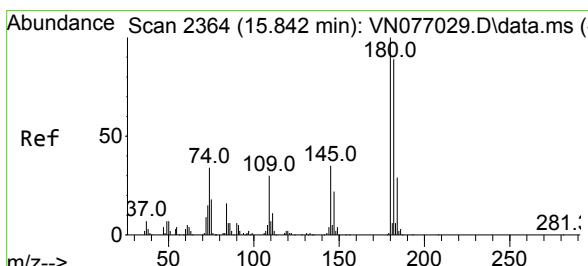
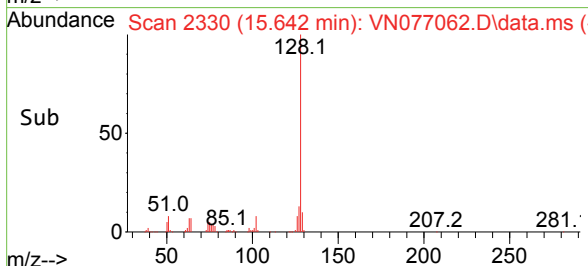
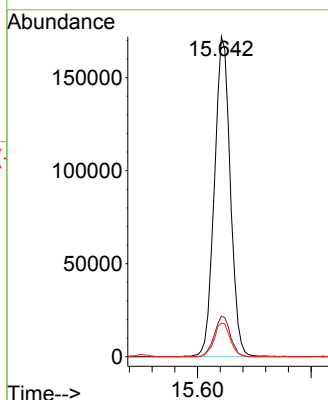
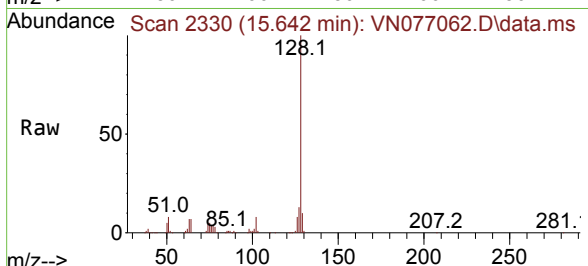




#95  
Naphthalene  
Concen: 19.098 ug/l  
RT: 15.642 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0320WBS01

|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:128 | Resp: | 334240 |       |
| Ion         | Ratio | Lower  | Upper |
| 128         | 100   |        |       |
| 127         | 12.7  | 10.0   | 15.0  |
| 129         | 10.5  | 8.6    | 13.0  |



#96  
1,2,3-Trichlorobenzene  
Concen: 21.355 ug/l  
RT: 15.842 min Scan# 2364  
Delta R.T. -0.000 min  
Lab File: VN077062.D  
Acq: 20 Mar 2023 12:28

|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:180 | Resp: | 103138 |       |
| Ion         | Ratio | Lower  | Upper |
| 180         | 100   |        |       |
| 182         | 95.9  | 47.4   | 142.2 |
| 145         | 35.5  | 17.9   | 53.8  |

