

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042423\  
 Data File : VN077441.D  
 Acq On : 24 Apr 2023 15:26  
 Operator : JC\MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC001

Quant Time: Apr 25 02:06:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042423W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 01:54:53 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.231  | 168   | 539885   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.107  | 114   | 995865   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.872 | 117   | 841134   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.795 | 152   | 276360   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.584  | 65    | 8628     | 1.225    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 2.460%#  |
| 35) Dibromofluoromethane     | 8.178  | 113   | 5893     | 0.987    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 1.980%#  |
| 50) Toluene-d8               | 10.572 | 98    | 22712    | 0.995    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 1.980%#  |
| 62) 4-Bromofluorobenzene     | 12.854 | 95    | 6051     | 0.809    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 1.620%#  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.143  | 85    | 7187     | 1.346    | ug/l   | 88       |
| 3) Chloromethane             | 2.378  | 50    | 7417     | 1.371    | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.519  | 62    | 8769     | 1.216    | ug/l # | 86       |
| 5) Bromomethane              | 2.972  | 94    | 11328    | 1.660    | ug/l   | 100      |
| 6) Chloroethane              | 3.125  | 64    | 7099     | 1.296    | ug/l # | 86       |
| 7) Trichlorofluoromethane    | 3.502  | 101   | 12224    | 1.154    | ug/l # | 70       |
| 8) Diethyl Ether             | 3.978  | 74    | 3930     | 1.021    | ug/l   | 70       |
| 9) 1,1,2-Trichlorotrifluo... | 4.384  | 101   | 6823     | 1.107    | ug/l   | 92       |
| 10) Methyl Iodide            | 4.613  | 142   | 9703     | 1.292    | ug/l # | 88       |
| 11) Tert butyl alcohol       | 5.543  | 59    | 7218     | 6.941    | ug/l # | 88       |
| 12) 1,1-Dichloroethene       | 4.354  | 96    | 7919     | 1.307    | ug/l # | 77       |
| 13) Acrolein                 | 4.184  | 56    | 6181     | 5.546    | ug/l   | 85       |
| 14) Allyl chloride           | 5.031  | 41    | 4542     | 0.678    | ug/l # | 47       |
| 15) Acrylonitrile            | 5.743  | 53    | 16834    | 6.561    | ug/l   | 94       |
| 16) Acetone                  | 4.460  | 43    | 14085    | 6.284    | ug/l # | 86       |
| 17) Carbon Disulfide         | 4.725  | 76    | 20009    | 1.307    | ug/l   | 95       |
| 18) Methyl Acetate           | 5.048  | 43    | 13288    | 1.535    | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.807  | 73    | 21653    | 1.081    | ug/l # | 89       |
| 20) Methylene Chloride       | 5.290  | 84    | 11818    | 1.663    | ug/l # | 86       |
| 21) trans-1,2-Dichloroethene | 5.790  | 96    | 4324     | 0.664    | ug/l # | 82       |
| 22) Diisopropyl ether        | 6.684  | 45    | 16945    | 1.102    | ug/l # | 85       |
| 23) Vinyl Acetate            | 6.613  | 43    | 54613    | 5.688    | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 6.572  | 63    | 7556     | 0.694    | ug/l # | 81       |
| 25) 2-Butanone               | 7.495  | 43    | 19096    | 6.007    | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 7.495  | 77    | 12162    | 1.153    | ug/l   | 91       |
| 27) cis-1,2-Dichloroethene   | 7.489  | 96    | 9591     | 1.243    | ug/l   | 88       |
| 28) Bromochloromethane       | 7.819  | 49    | 5077     | 1.222    | ug/l # | 89       |
| 29) Tetrahydrofuran          | 7.854  | 42    | 13078    | 6.566    | ug/l   | 92       |
| 30) Chloroform               | 7.972  | 83    | 13966    | 1.139    | ug/l # | 71       |
| 31) Cyclohexane              | 8.237  | 56    | 23352    | 1.986    | ug/l # | 53       |
| 32) 1,1,1-Trichloroethane    | 8.178  | 97    | 12331    | 1.094    | ug/l # | 46       |
| 36) 1,1-Dichloropropene      | 8.378  | 75    | 9643     | 1.115    | ug/l   | 94       |
| 37) Ethyl Acetate            | 7.566  | 43    | 9715     | 1.478    | ug/l # | 77       |
| 38) Carbon Tetrachloride     | 8.378  | 117   | 10072    | 1.056    | ug/l   | 89       |
| 39) Methylcyclohexane        | 9.601  | 83    | 12459    | 1.094    | ug/l # | 84       |
| 40) Benzene                  | 8.613  | 78    | 30425    | 1.155    | ug/l   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042423\  
 Data File : VN077441.D  
 Acq On : 24 Apr 2023 15:26  
 Operator : JC\MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC001

Quant Time: Apr 25 02:06:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042423W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 01:54:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.784  | 41   | 3973     | 1.161  | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 8.678  | 62   | 10737    | 1.187  | ug/l   | 92       |
| 43) Isopropyl Acetate         | 8.695  | 43   | 13624    | 1.198  | ug/l # | 95       |
| 44) Trichloroethene           | 9.360  | 130  | 8294     | 1.230  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.631  | 63   | 7470     | 1.211  | ug/l   | 90       |
| 46) Dibromomethane            | 9.707  | 93   | 5936     | 1.186  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.895  | 83   | 10410    | 1.075  | ug/l # | 97       |
| 48) Methyl methacrylate       | 9.678  | 41   | 6155     | 1.189  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.713  | 88   | 3357     | 25.864 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.448 | 43   | 41664    | 6.249  | ug/l   | 97       |
| 52) Toluene                   | 10.636 | 92   | 19448    | 1.127  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.836 | 75   | 10641    | 1.085  | ug/l # | 84       |
| 54) cis-1,3-Dichloropropene   | 10.319 | 75   | 12412    | 1.163  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 11.030 | 97   | 8081     | 1.164  | ug/l # | 65       |
| 56) Ethyl methacrylate        | 10.878 | 69   | 11112    | 1.143  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 11.166 | 76   | 12864    | 1.164  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 10.160 | 63   | 15949    | 4.849  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.195 | 43   | 28808    | 5.944  | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.360 | 129  | 7772     | 1.079  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.472 | 107  | 7428     | 1.048  | ug/l   | 82       |
| 64) Tetrachloroethene         | 11.113 | 164  | 6703     | 1.331  | ug/l # | 79       |
| 65) Chlorobenzene             | 11.901 | 112  | 21600    | 1.214  | ug/l   | 90       |
| 66) 1,1,1,2-Tetrachloroethane | 11.960 | 131  | 7428     | 1.147  | ug/l # | 64       |
| 67) Ethyl Benzene             | 11.966 | 91   | 35420    | 1.130  | ug/l   | 96       |
| 68) m/p-Xylenes               | 12.077 | 106  | 26440    | 2.171  | ug/l   | 93       |
| 69) o-Xylene                  | 12.401 | 106  | 11759    | 0.982  | ug/l   | 81       |
| 70) Styrene                   | 12.419 | 104  | 19715    | 1.052  | ug/l   | 98       |
| 71) Bromoform                 | 12.577 | 173  | 4559     | 1.076  | ug/l # | 92       |
| 73) Isopropylbenzene          | 12.701 | 105  | 31110    | 1.213  | ug/l   | 93       |
| 74) N-amyl acetate            | 12.501 | 43   | 10130    | 1.334  | ug/l # | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.936 | 83   | 10481    | 1.301  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.995 | 75   | 13503    | 2.056  | ug/l   | 65       |
| 77) Bromobenzene              | 12.983 | 156  | 7175     | 1.284  | ug/l   | 94       |
| 78) n-propylbenzene           | 13.036 | 91   | 32094    | 1.132  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.130 | 91   | 23659    | 1.353  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.183 | 105  | 19038    | 1.000  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.742 | 75   | 2523     | 1.140  | ug/l # | 77       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 21724    | 1.330  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.442 | 119  | 22213    | 1.201  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.489 | 105  | 17590    | 0.989  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.624 | 105  | 26733    | 1.053  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.736 | 119  | 19115    | 0.979  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.736 | 146  | 14392    | 1.448  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 13.819 | 146  | 14291    | 1.457  | ug/l   | 90       |
| 89) n-Butylbenzene            | 14.066 | 91   | 16408    | 1.085  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.330 | 117  | 5057     | 1.172  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 14.113 | 146  | 12847    | 1.303  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.724 | 75   | 2639     | 1.771  | ug/l   | 77       |
| 93) 1,2,4-Trichlorobenzene    | 15.365 | 180  | 3140     | 2.339  | ug/l   | 81       |
| 94) Hexachlorobutadiene       | 15.460 | 225  | 3193     | 1.603  | ug/l   | 89       |
| 95) Naphthalene               | 15.589 | 128  | 13124    | 2.877  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.754 | 180  | 3616     | 2.410  | ug/l   | 96       |

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Acq On : 24 Apr 2023 15:26  
Operator : JC\MD  
Sample : VSTDICC001  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

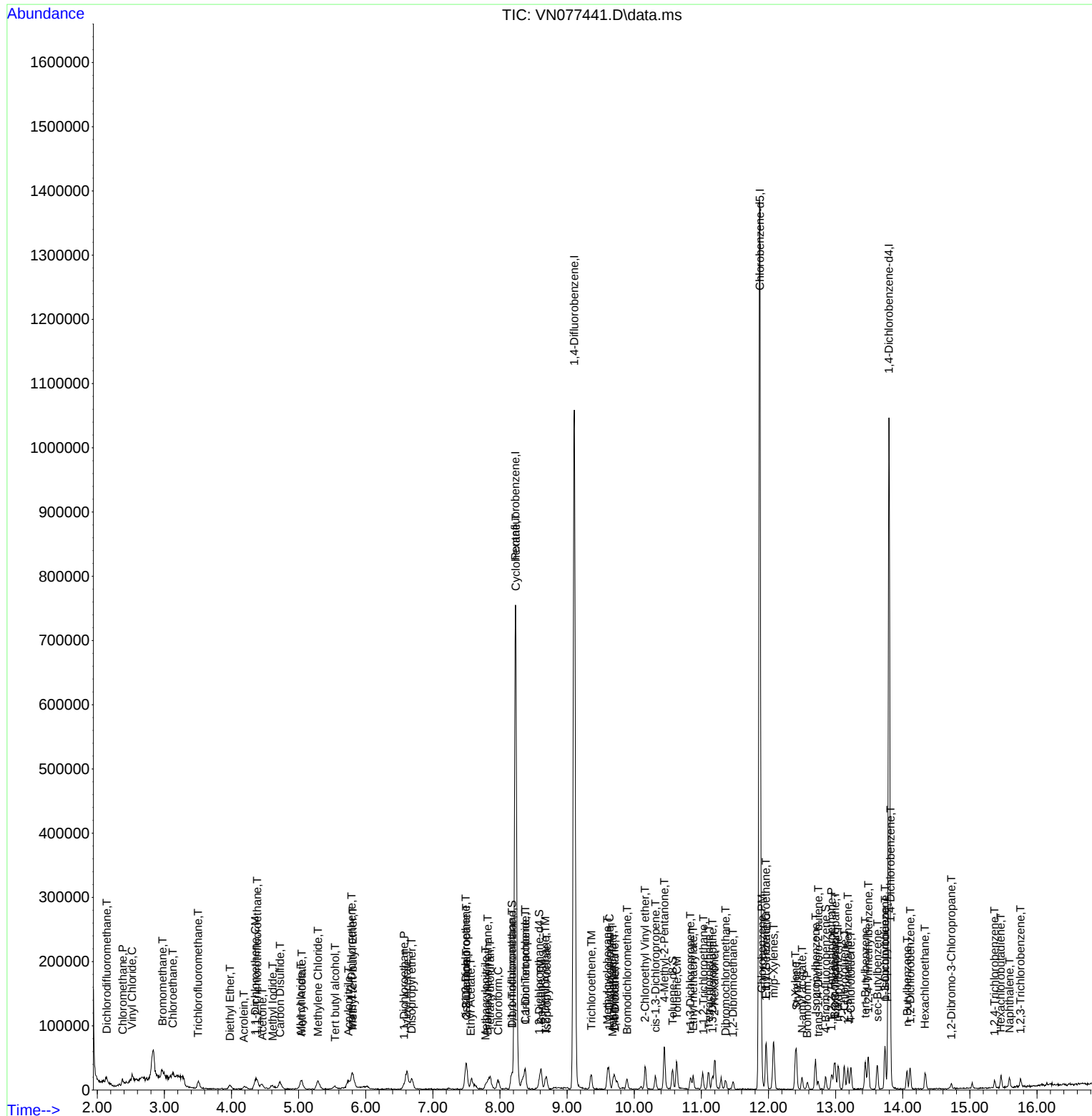
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042423W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 01:54:53 2023  
Response via : Initial Calibration

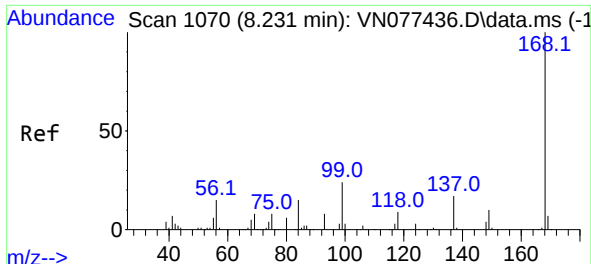
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICC001

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VSTDICC001

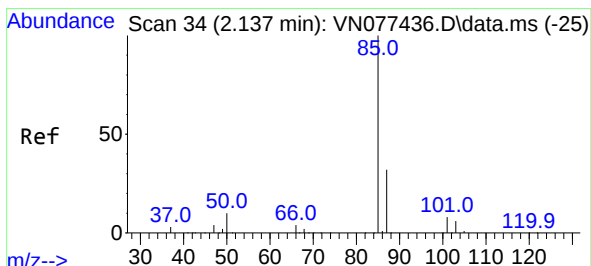
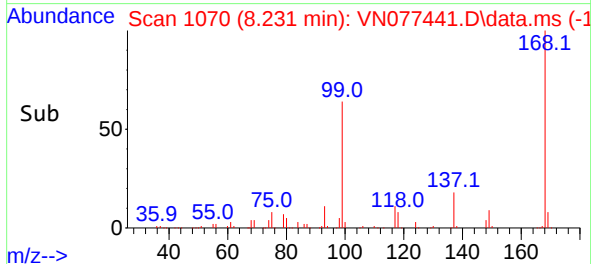
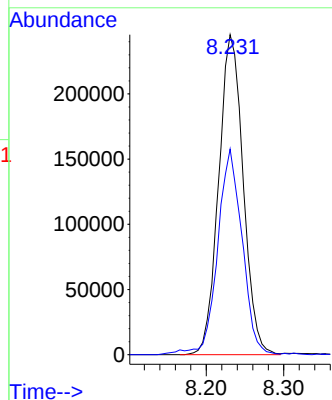
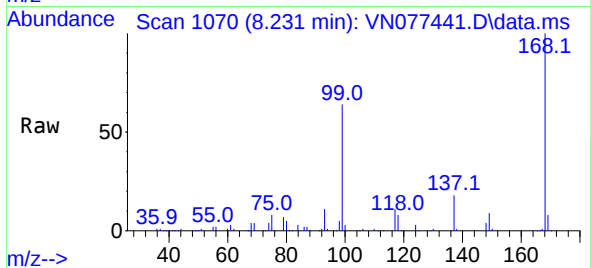




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

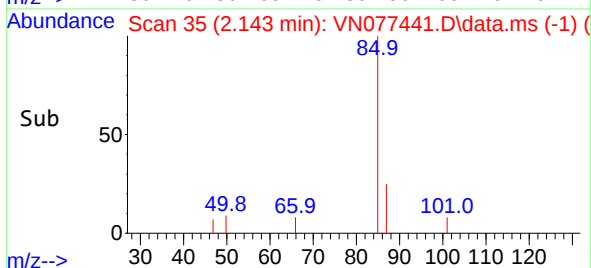
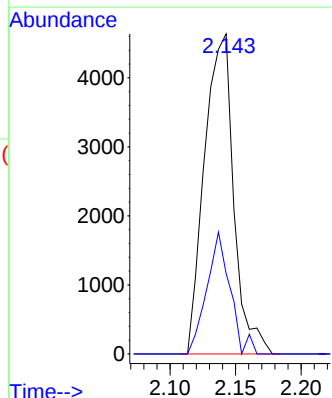
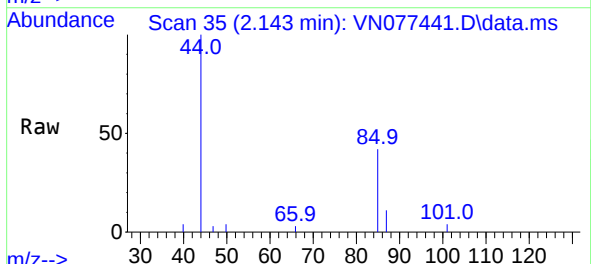
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:168 Resp: 539885  
Ion Ratio Lower Upper  
168 100  
99 64.0 53.0 79.6

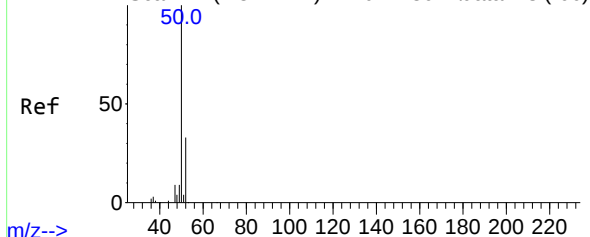


#2  
Dichlorodifluoromethane  
Concen: 1.346 ug/l  
RT: 2.143 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 85 Resp: 7187  
Ion Ratio Lower Upper  
85 100  
87 25.1 15.8 47.4



Abundance Scan 74 (2.372 min): VN077436.D\data.ms (-66)



#3

Chloromethane

Concen: 1.371 ug/l

RT: 2.378 min Scan# 74

Delta R.T. 0.006 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Instrument :

MSVOA\_N

ClientSampleId :

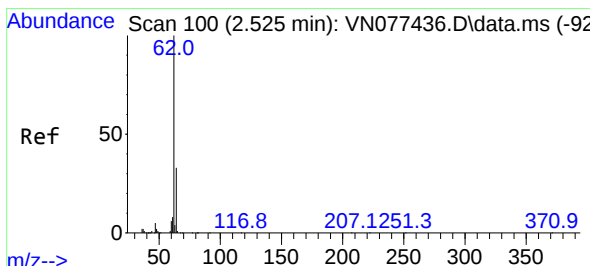
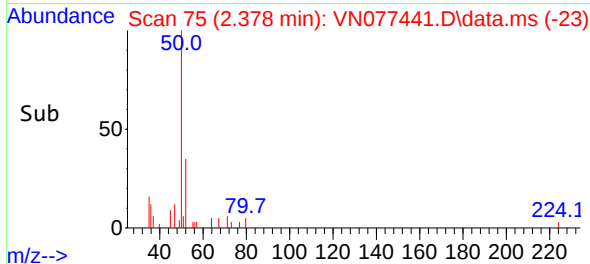
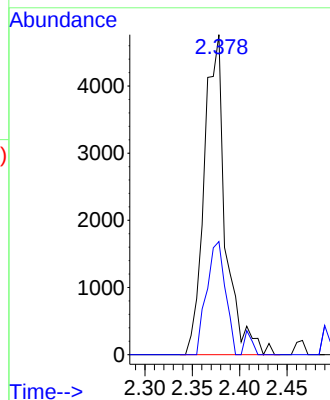
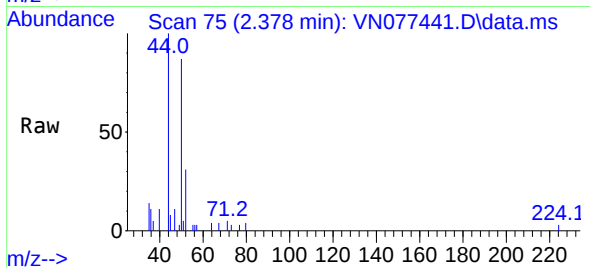
VSTDICC001

Tgt Ion: 50 Resp: 7417

Ion Ratio Lower Upper

50 100

52 35.3 26.5 39.7



#4

Vinyl Chloride

Concen: 1.216 ug/l

RT: 2.519 min Scan# 99

Delta R.T. -0.006 min

Lab File: VN077441.D

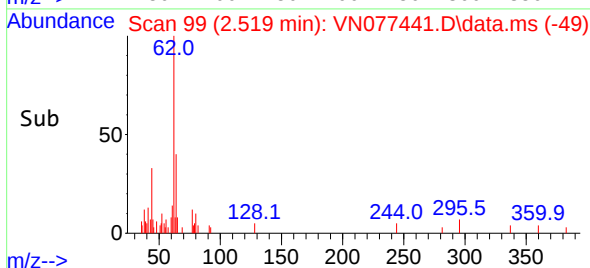
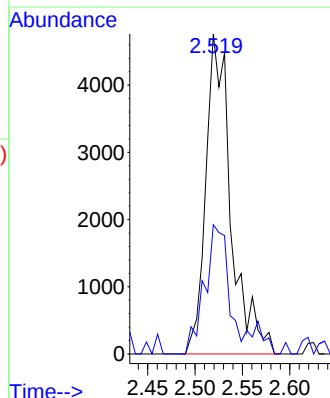
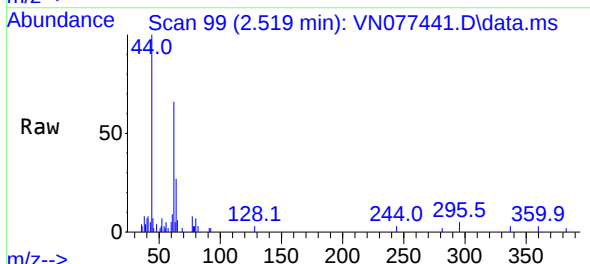
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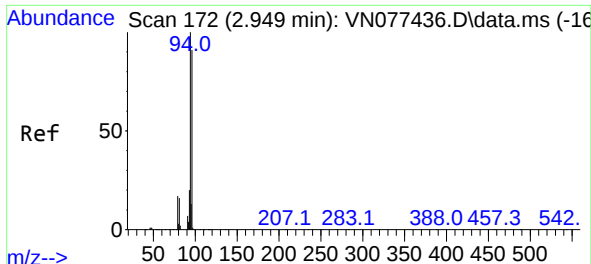
Tgt Ion: 62 Resp: 8769

Ion Ratio Lower Upper

62 100

64 40.4 26.2 39.2#

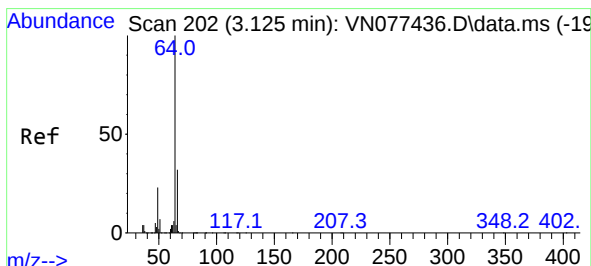
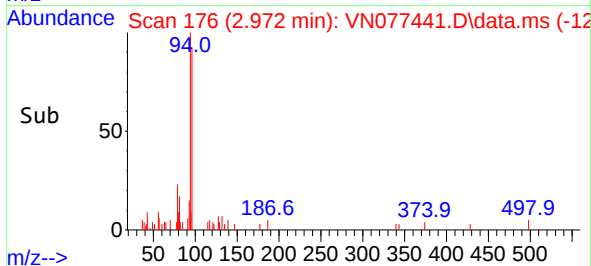
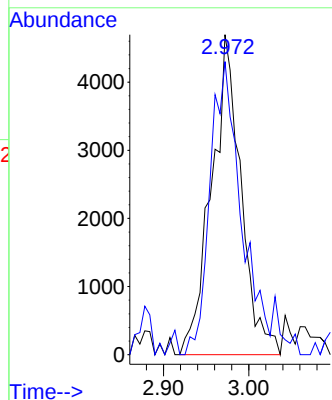
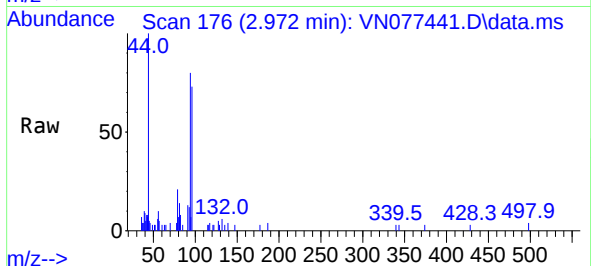




#5  
Bromomethane  
Concen: 1.660 ug/l  
RT: 2.972 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

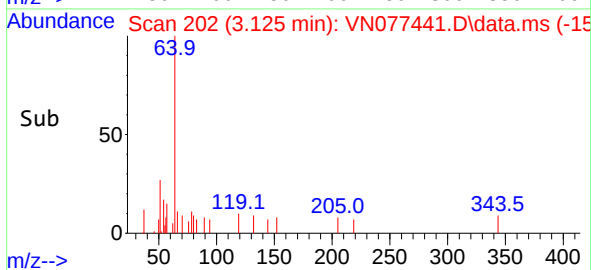
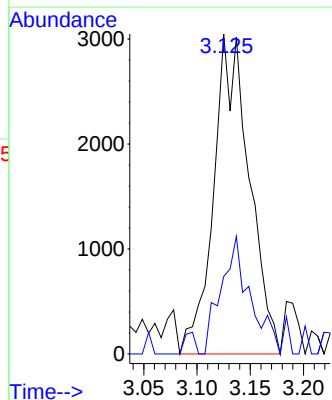
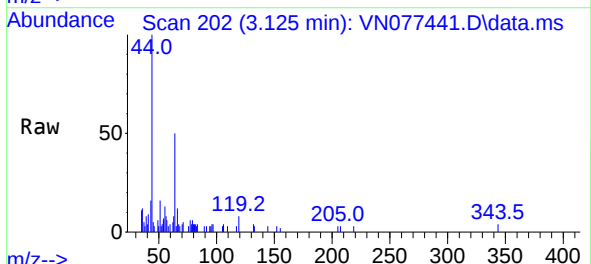
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

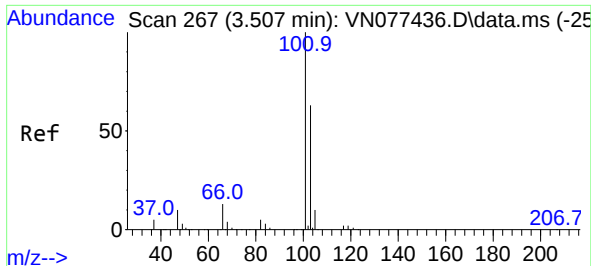
Tgt Ion: 94 Resp: 11328  
Ion Ratio Lower Upper  
94 100  
96 91.6 73.1 109.7



#6  
Chloroethane  
Concen: 1.296 ug/l  
RT: 3.125 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 64 Resp: 7099  
Ion Ratio Lower Upper  
64 100  
66 24.2 25.4 38.2#

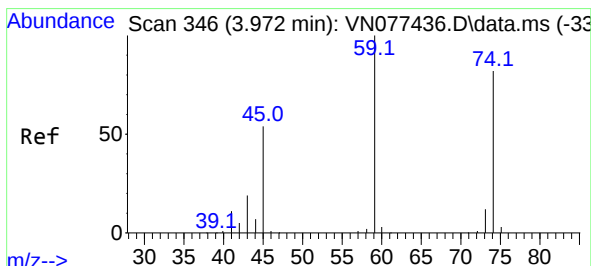
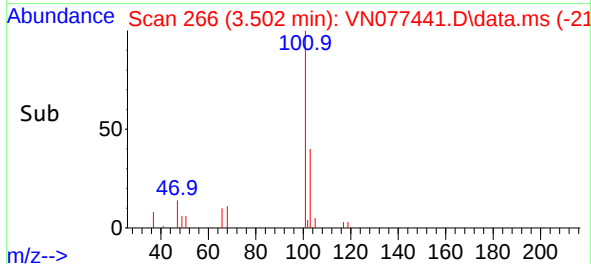
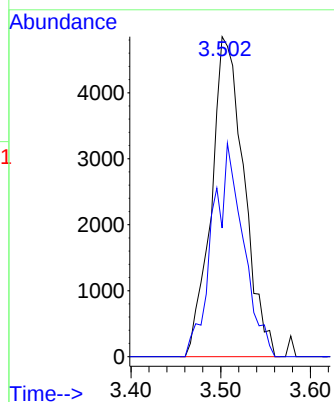
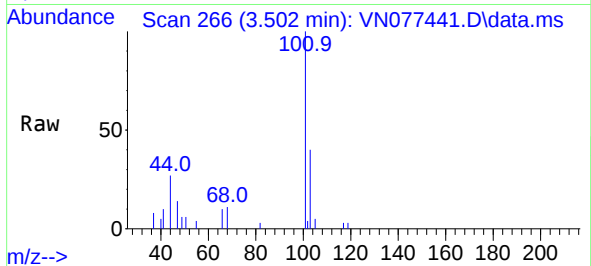




#7  
Trichlorofluoromethane  
Concen: 1.154 ug/l  
RT: 3.502 min Scan# 210  
Delta R.T. -0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

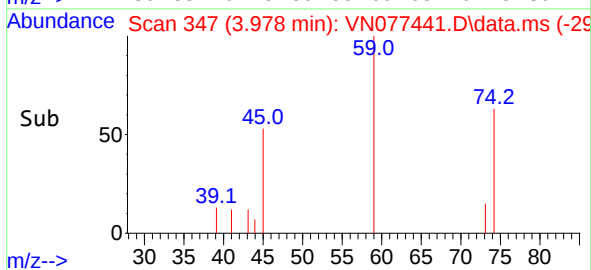
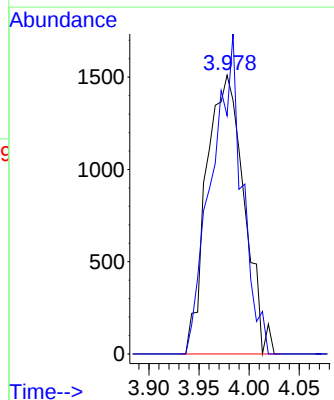
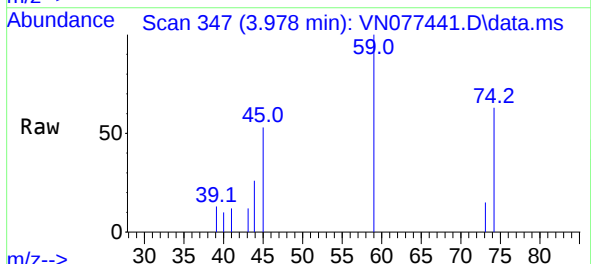
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MSVOA\_N  
ClientSampleId :  
VSTDIC001

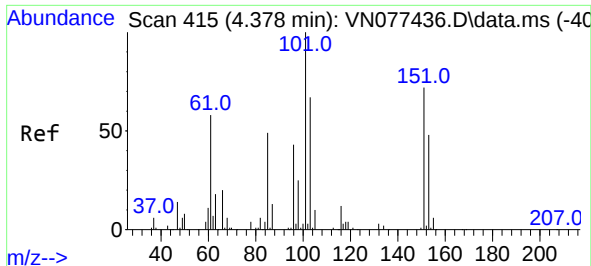
Tgt Ion:101 Resp: 12224  
Ion Ratio Lower Upper  
101 100  
103 40.2 50.7 76.1#



#8  
Diethyl Ether  
Concen: 1.021 ug/l  
RT: 3.978 min Scan# 347  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 74 Resp: 3930  
Ion Ratio Lower Upper  
74 100  
45 92.9 34.4 103.3

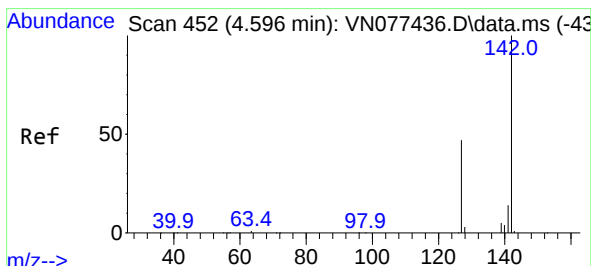
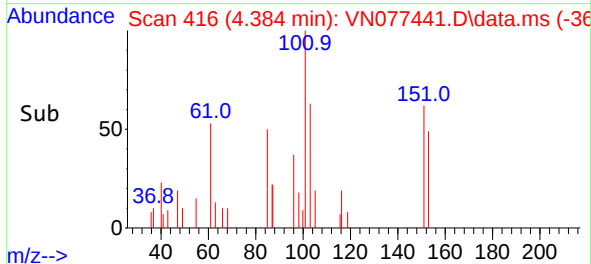
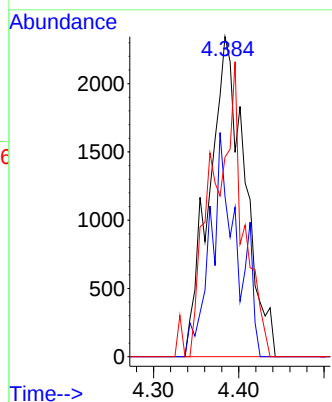
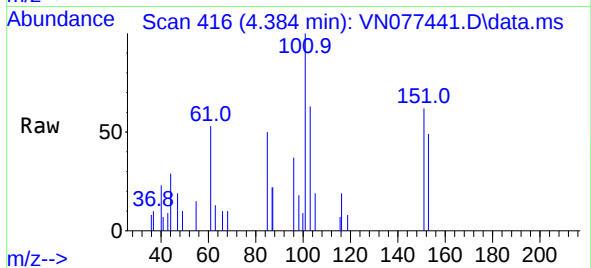




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 1.107 ug/l  
RT: 4.384 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

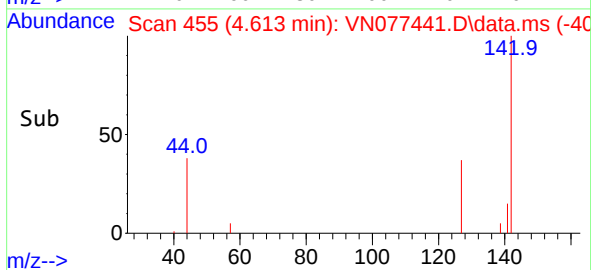
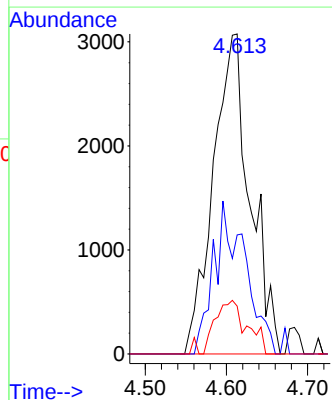
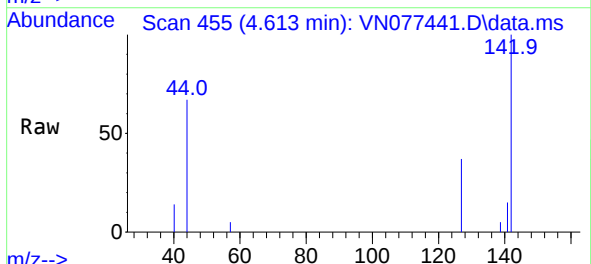
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

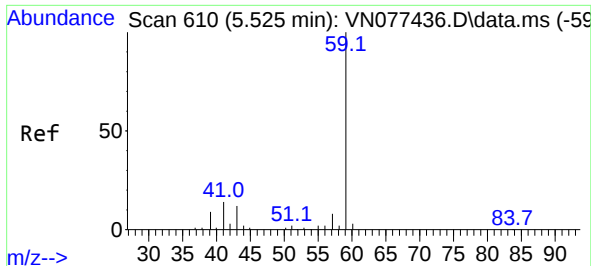
Tgt Ion:101 Resp: 6823  
Ion Ratio Lower Upper  
101 100  
85 52.0 36.6 55.0  
151 77.4 57.6 86.4



#10  
Methyl Iodide  
Concen: 1.292 ug/l  
RT: 4.613 min Scan# 455  
Delta R.T. 0.018 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion:142 Resp: 9703  
Ion Ratio Lower Upper  
142 100  
127 37.2 37.6 56.4#  
141 15.0 11.4 17.0

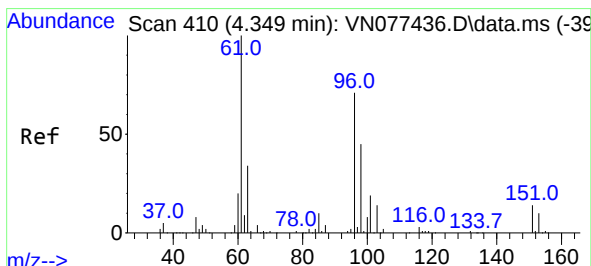
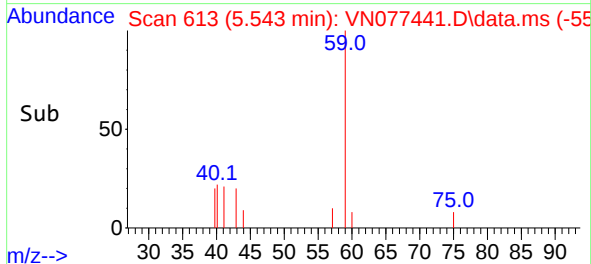
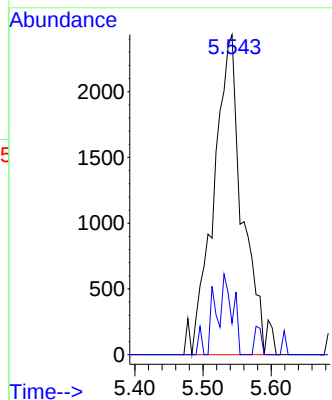
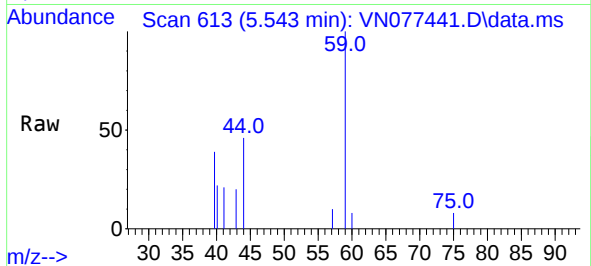




#11  
Tert butyl alcohol  
Concen: 6.941 ug/l  
RT: 5.543 min Scan# 610  
Delta R.T. 0.018 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

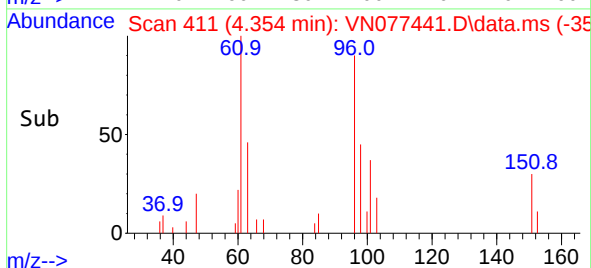
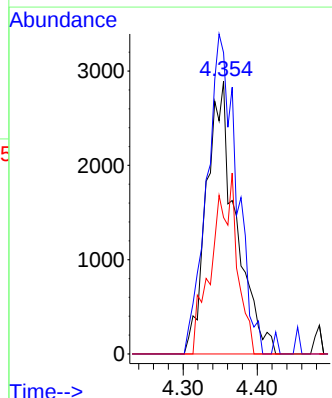
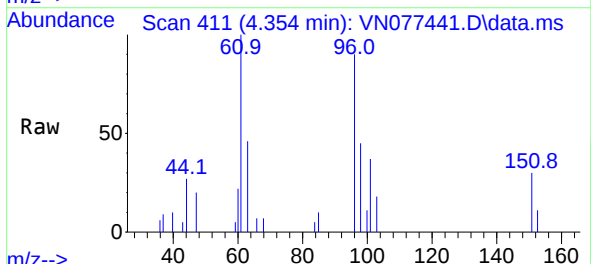
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

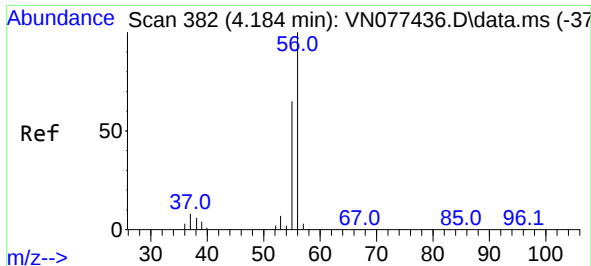
Tgt Ion: 59 Resp: 7218  
Ion Ratio Lower Upper  
59 100  
57 14.9 8.2 12.4#



#12  
1,1-Dichloroethene  
Concen: 1.307 ug/l  
RT: 4.354 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 96 Resp: 7919  
Ion Ratio Lower Upper  
96 100  
61 110.5 112.7 169.1#  
98 50.1 51.2 76.8#

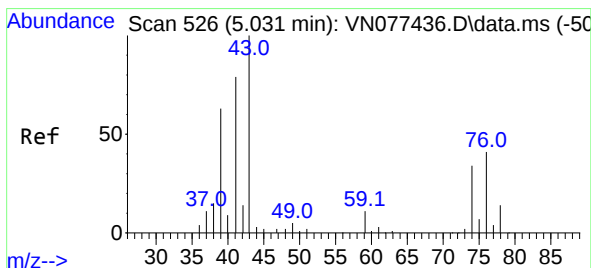
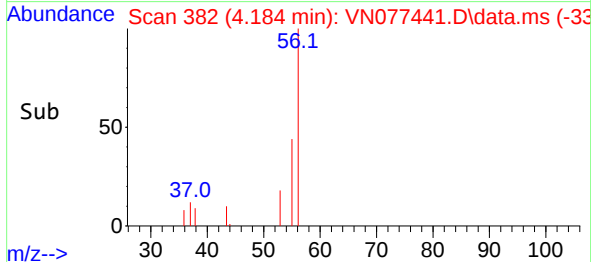
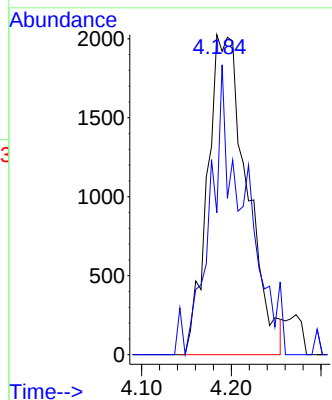
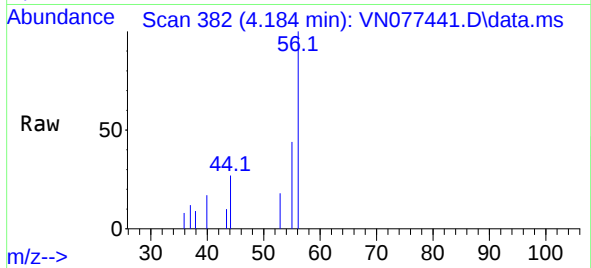




#13  
Acrolein  
Concen: 5.546 ug/l  
RT: 4.184 min Scan# 382  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

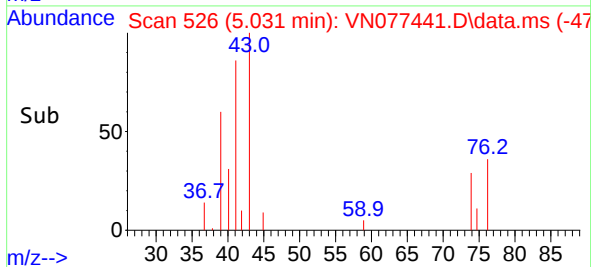
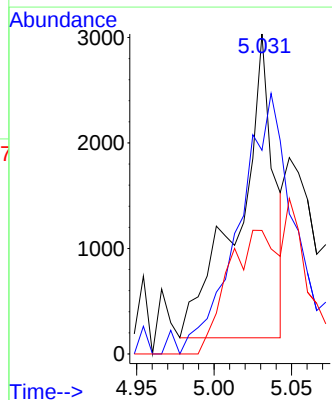
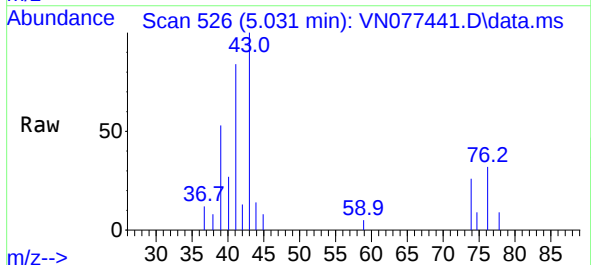
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

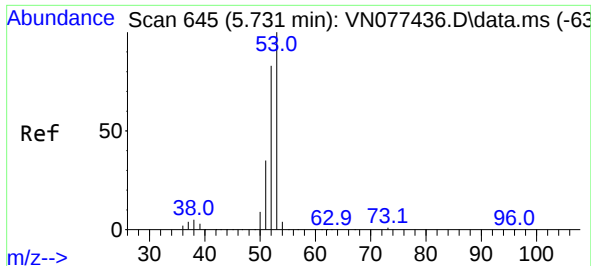
Tgt Ion: 56 Resp: 6181  
Ion Ratio Lower Upper  
56 100  
55 79.8 54.5 81.7



#14  
Allyl chloride  
Concen: 0.678 ug/l  
RT: 5.031 min Scan# 526  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 41 Resp: 4542  
Ion Ratio Lower Upper  
41 100  
39 140.3 58.8 88.2#  
76 57.5 39.1 58.7

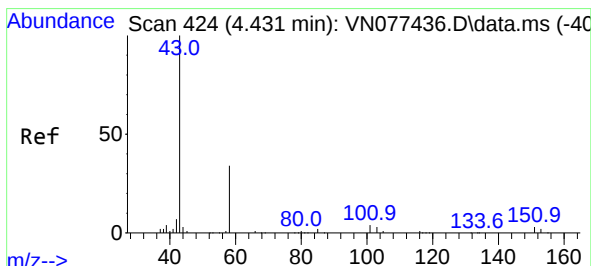
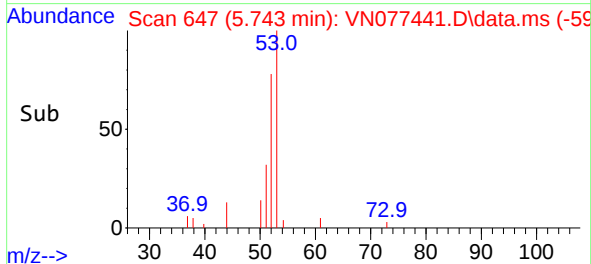
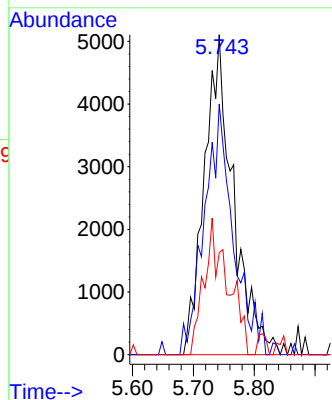
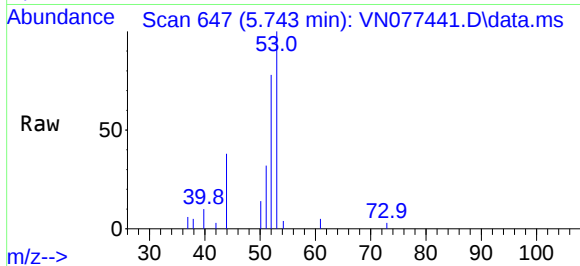




#15  
Acrylonitrile  
Concen: 6.561 ug/l  
RT: 5.743 min Scan# 645  
Delta R.T. 0.012 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

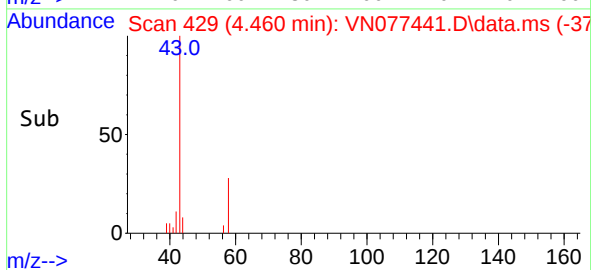
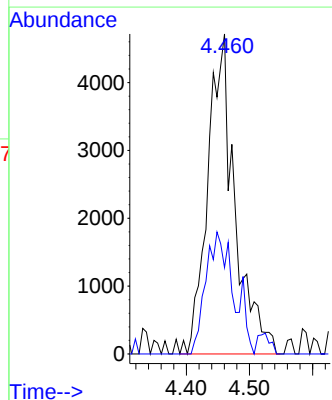
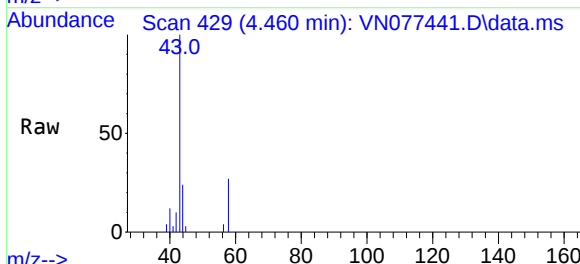
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

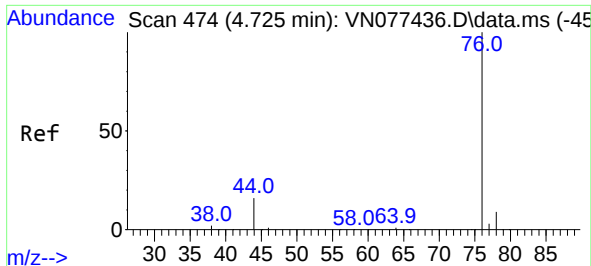
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 16834 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 74.4  | 65.3  | 97.9  |
| 51       | 35.1  | 28.9  | 43.3  |



#16  
Acetone  
Concen: 6.284 ug/l  
RT: 4.460 min Scan# 429  
Delta R.T. 0.029 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 14085 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.0  | 28.0  | 42.0# |

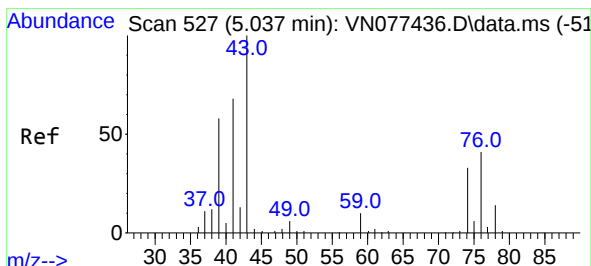
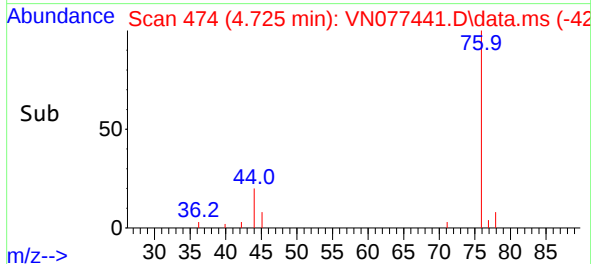
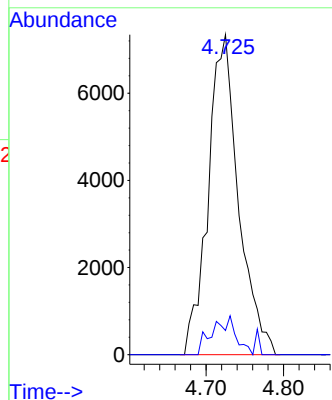
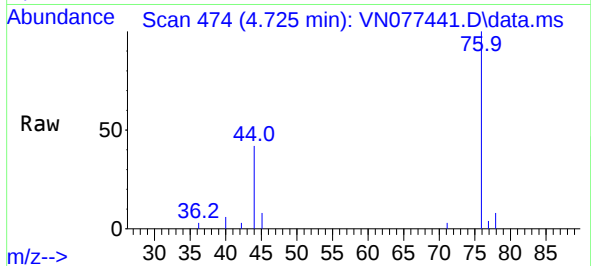




#17  
Carbon Disulfide  
Concen: 1.307 ug/l  
RT: 4.725 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

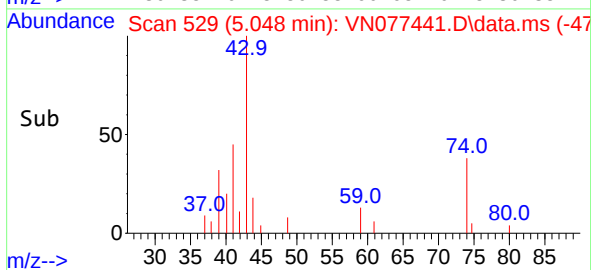
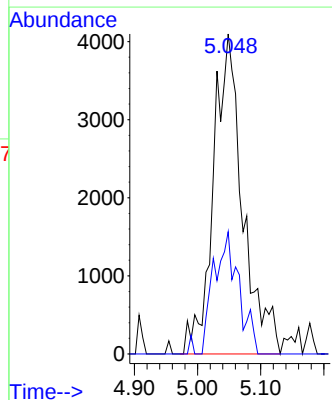
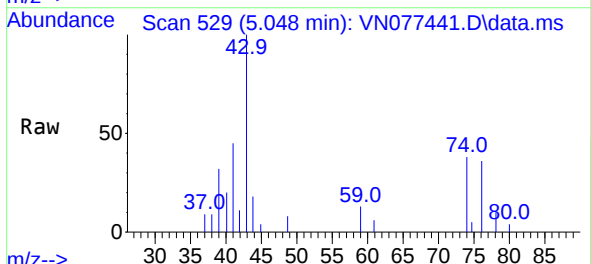
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

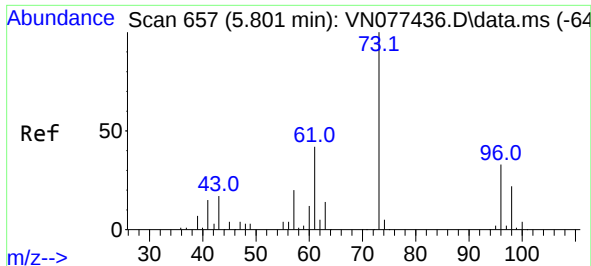
Tgt Ion: 76 Resp: 20009  
Ion Ratio Lower Upper  
76 100  
78 7.5 7.4 11.0



#18  
Methyl Acetate  
Concen: 1.535 ug/l  
RT: 5.048 min Scan# 529  
Delta R.T. 0.012 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 43 Resp: 13288  
Ion Ratio Lower Upper  
43 100  
74 32.3 26.2 39.4





#19

Methyl tert-butyl Ether

Concen: 1.081 ug/l

RT: 5.807 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Instrument :

MSVOA\_N

ClientSampleId :

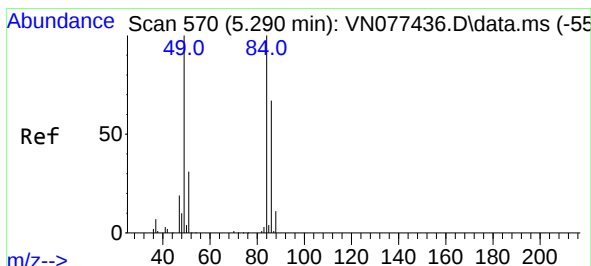
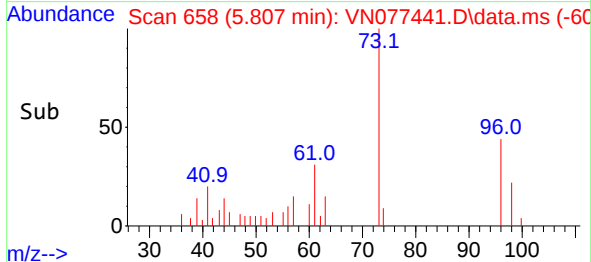
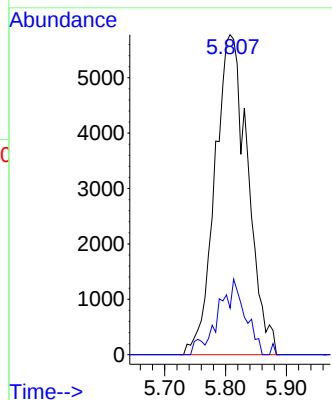
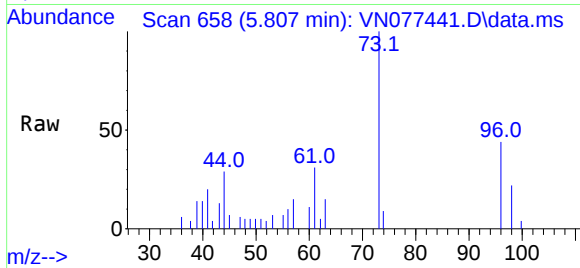
VSTDIC001

Tgt Ion: 73 Resp: 21653

Ion Ratio Lower Upper

73 100

57 14.5 15.6 23.4#



#20

Methylene Chloride

Concen: 1.663 ug/l

RT: 5.290 min Scan# 570

Delta R.T. -0.000 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Tgt Ion: 84 Resp: 11818

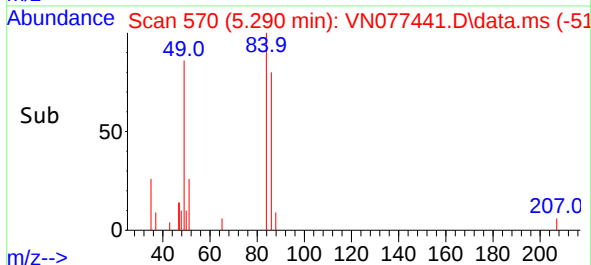
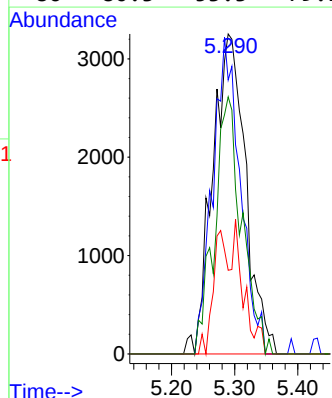
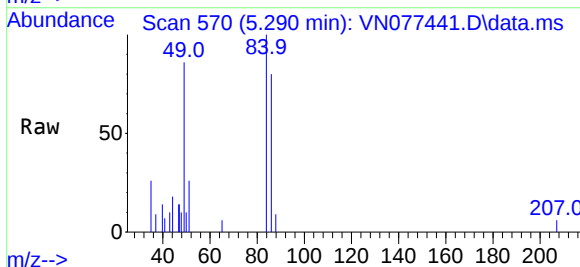
Ion Ratio Lower Upper

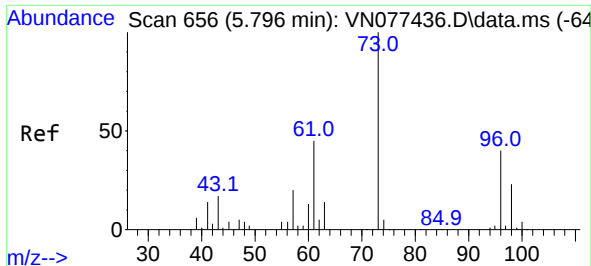
84 100

49 85.6 79.7 119.5

51 26.1 25.2 37.8

86 80.3 53.3 79.9#

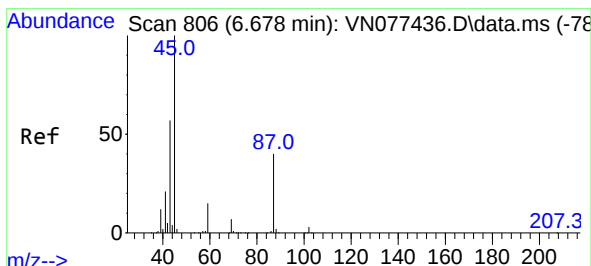
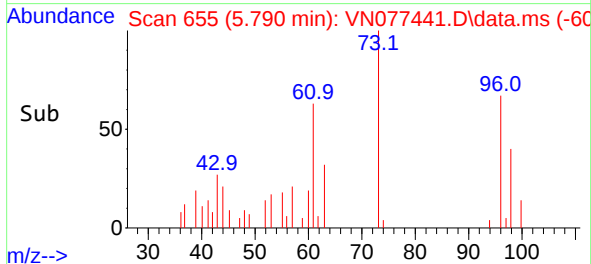
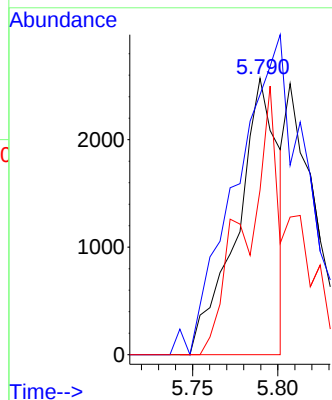
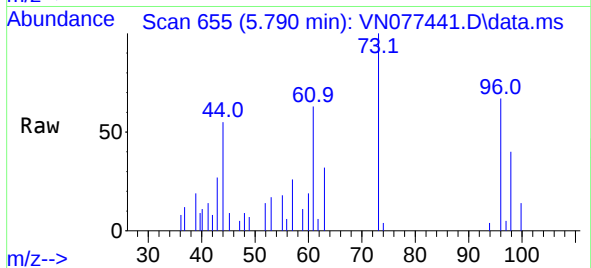




#21  
trans-1,2-Dichloroethene  
Concen: 0.664 ug/l  
RT: 5.790 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

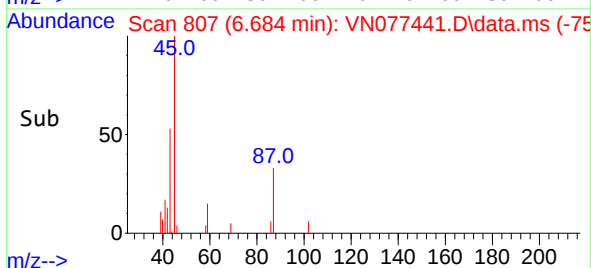
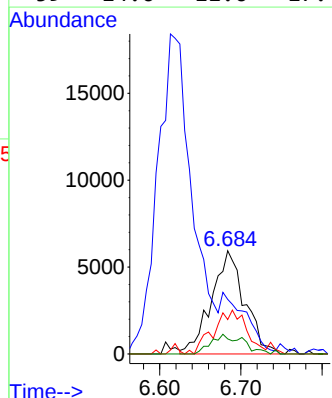
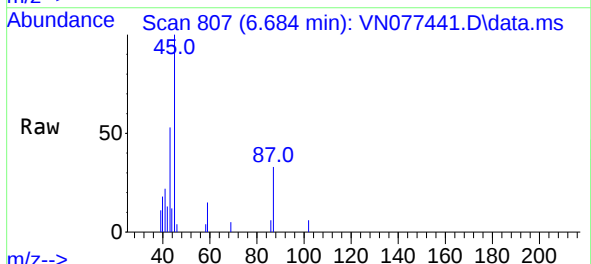
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MSVOA\_N  
ClientSampleId :  
VSTDIC001

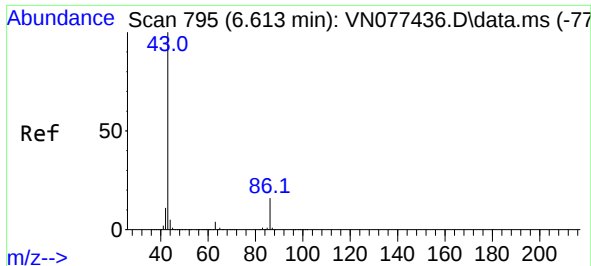
Tgt Ion: 96 Resp: 4324  
Ion Ratio Lower Upper  
96 100  
61 84.9 90.1 135.1#  
98 59.6 46.4 69.6



#22  
Diisopropyl ether  
Concen: 1.102 ug/l  
RT: 6.684 min Scan# 807  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 45 Resp: 16945  
Ion Ratio Lower Upper  
45 100  
43 42.9 45.5 68.3#  
87 30.9 31.8 47.8#  
59 14.6 11.6 17.4

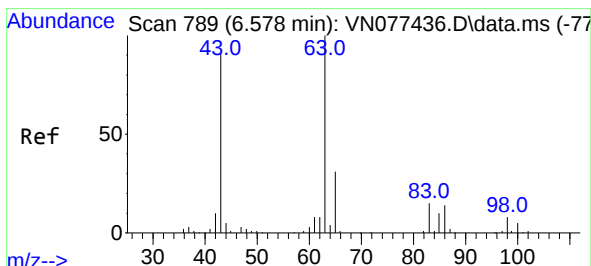
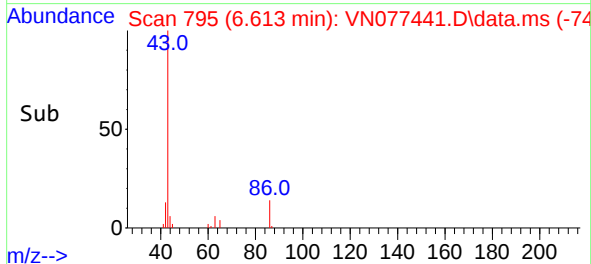
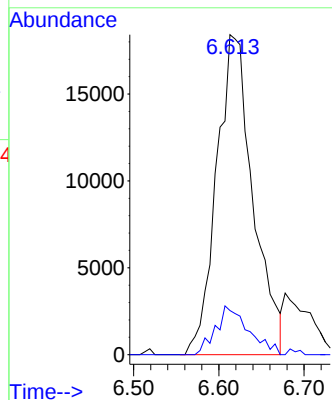
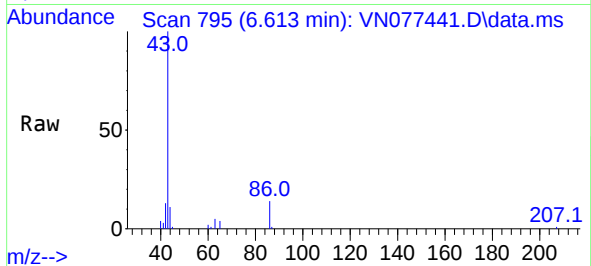




#23  
 Vinyl Acetate  
 Concen: 5.688 ug/l  
 RT: 6.613 min Scan# 795  
 Delta R.T. -0.000 min  
 Lab File: VN077441.D  
 Acq: 24 Apr 2023 15:26

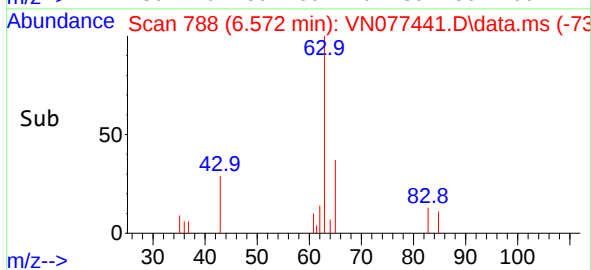
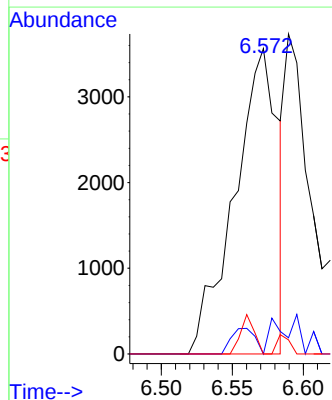
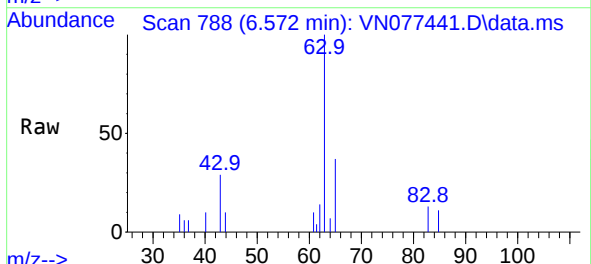
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

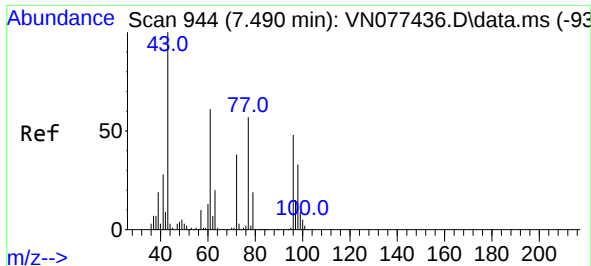
Tgt Ion: 43 Resp: 54613  
 Ion Ratio Lower Upper  
 43 100  
 86 13.8 13.0 19.6



#24  
 1,1-Dichloroethane  
 Concen: 0.694 ug/l  
 RT: 6.572 min Scan# 788  
 Delta R.T. -0.006 min  
 Lab File: VN077441.D  
 Acq: 24 Apr 2023 15:26

Tgt Ion: 63 Resp: 7556  
 Ion Ratio Lower Upper  
 63 100  
 98 0.0 3.9 11.7#  
 100 0.0 2.5 7.4#

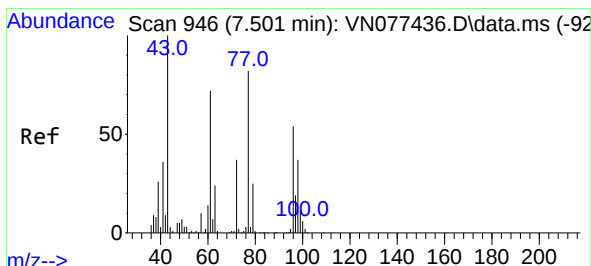
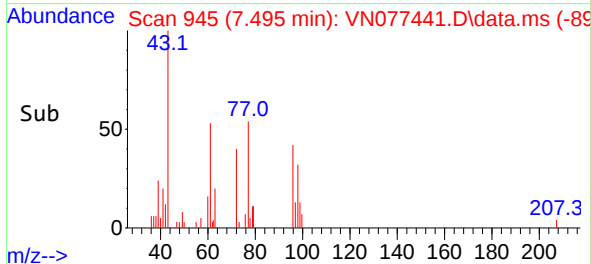
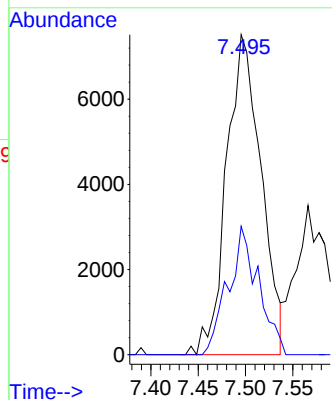
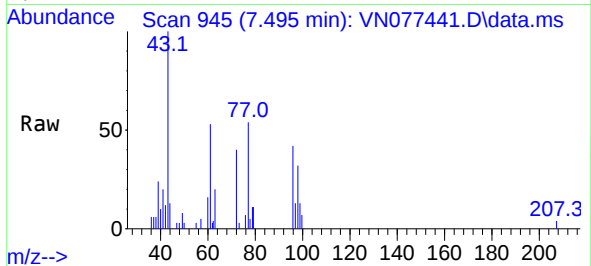




#25  
2-Butanone  
Concen: 6.007 ug/l  
RT: 7.495 min Scan# 945  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

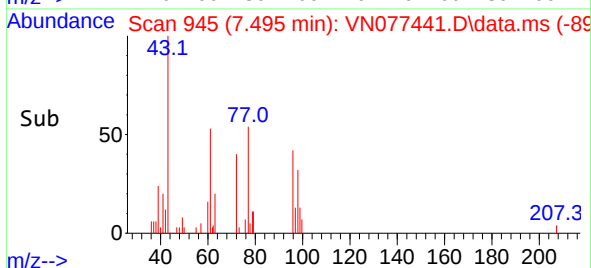
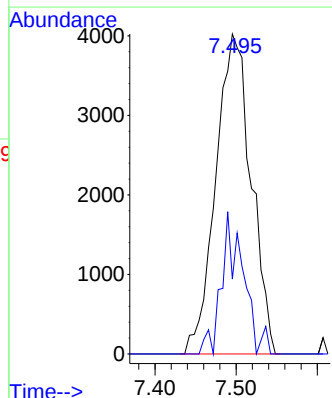
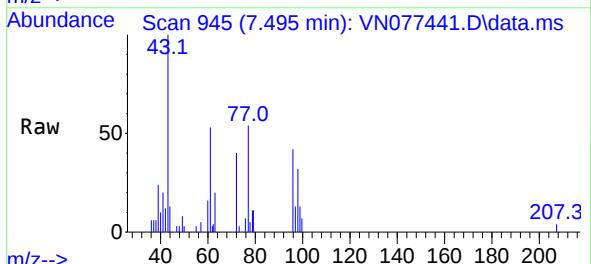
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

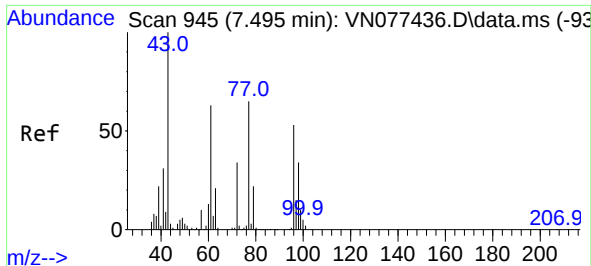
Tgt Ion: 43 Resp: 19096  
Ion Ratio Lower Upper  
43 100  
72 40.1 30.2 45.2



#26  
2,2-Dichloropropane  
Concen: 1.153 ug/l  
RT: 7.495 min Scan# 945  
Delta R.T. -0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 77 Resp: 12162  
Ion Ratio Lower Upper  
77 100  
97 26.5 11.2 33.6



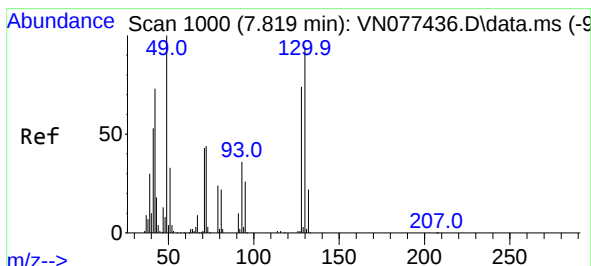
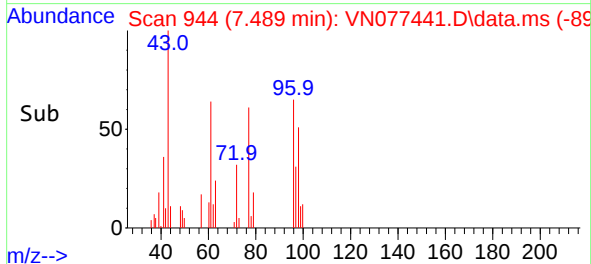
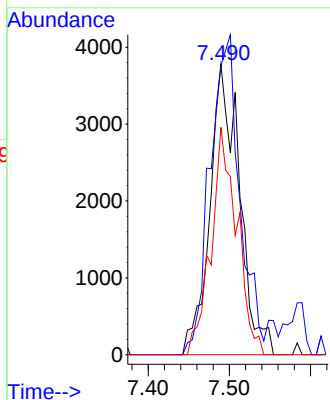
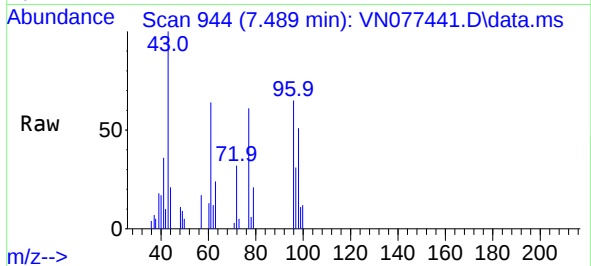


#27  
 cis-1,2-Dichloroethene  
 Concen: 1.243 ug/l  
 RT: 7.489 min Scan# 945  
 Delta R.T. -0.006 min  
 Lab File: VN077441.D  
 Acq: 24 Apr 2023 15:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Tgt Ion: 96 Resp: 9591  

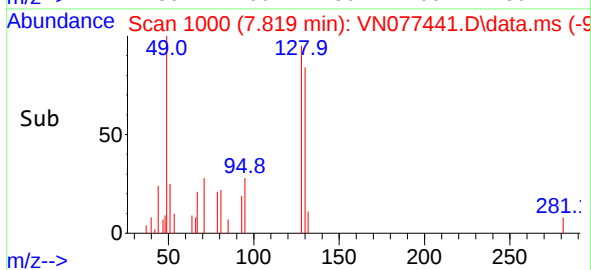
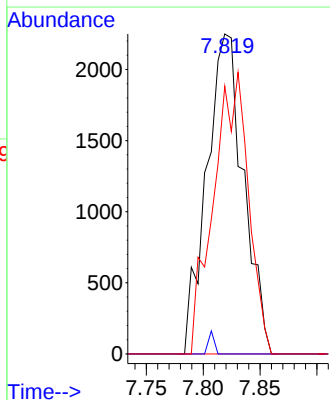
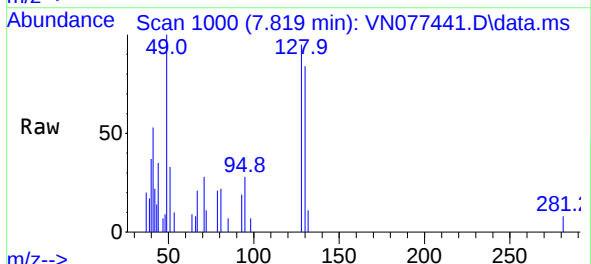
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 110.4 | 0.0   | 255.2 |
| 98  | 68.3  | 0.0   | 128.8 |

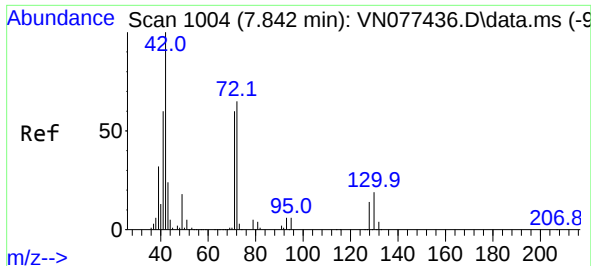


#28  
 Bromochloromethane  
 Concen: 1.222 ug/l  
 RT: 7.819 min Scan# 1000  
 Delta R.T. -0.000 min  
 Lab File: VN077441.D  
 Acq: 24 Apr 2023 15:26

Tgt Ion: 49 Resp: 5077  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 0.0   | 0.0   | 4.8   |
| 130 | 83.8  | 75.3  | 112.9 |





#29

Tetrahydrofuran

Concen: 6.566 ug/l

RT: 7.854 min Scan# 1006

Delta R.T. 0.012 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

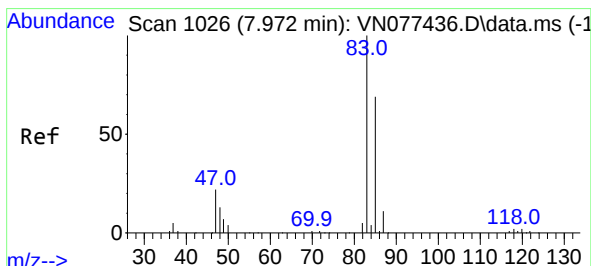
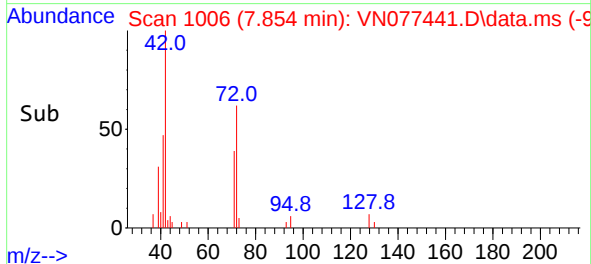
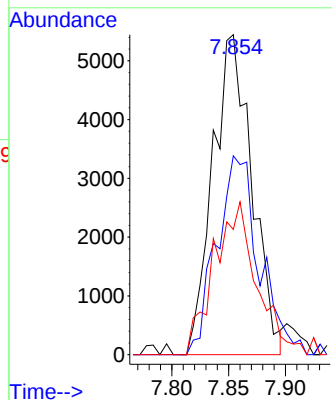
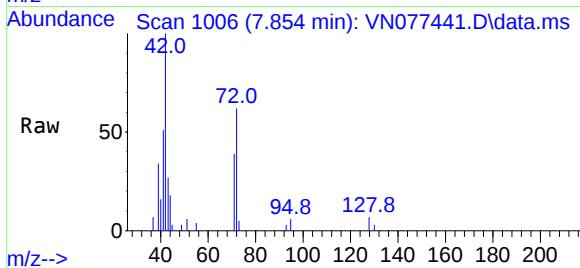
Tgt Ion: 42 Resp: 13078

Ion Ratio Lower Upper

42 100

72 67.6 49.8 74.6

71 52.0 47.4 71.2



#30

Chloroform

Concen: 1.139 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077441.D

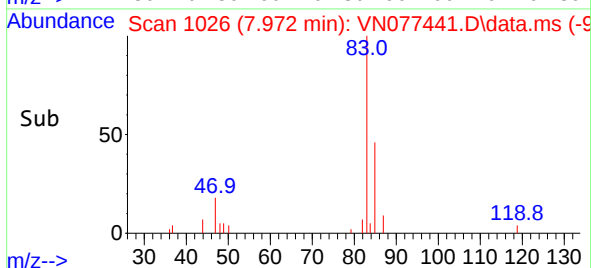
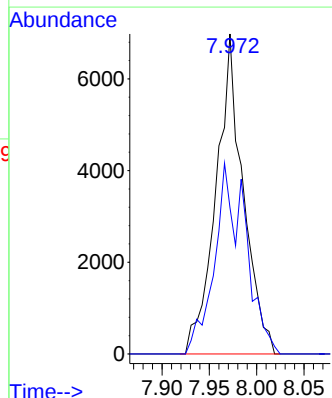
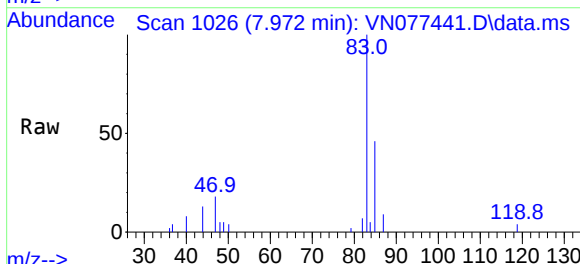
Acq: 24 Apr 2023 15:26

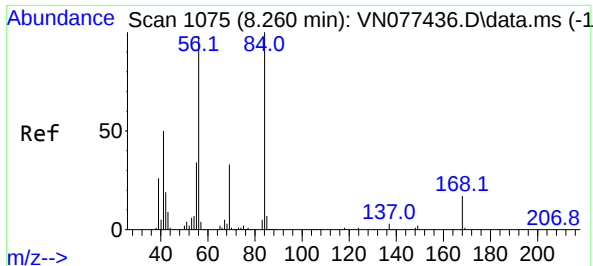
Tgt Ion: 83 Resp: 13966

Ion Ratio Lower Upper

83 100

85 45.8 55.4 83.0#





#31

Cyclohexane

Concen: 1.986 ug/l

RT: 8.237 min Scan# 1071

Delta R.T. -0.024 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

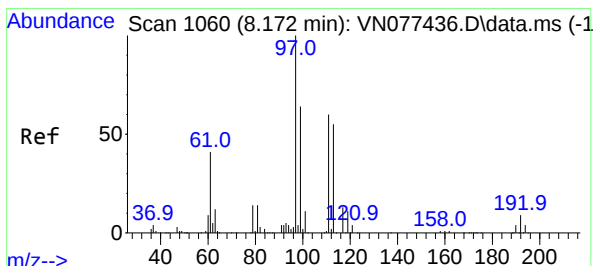
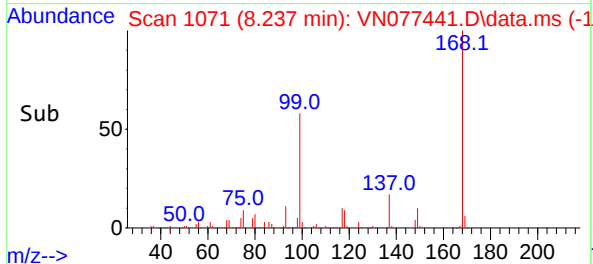
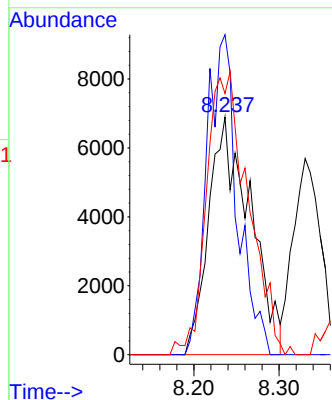
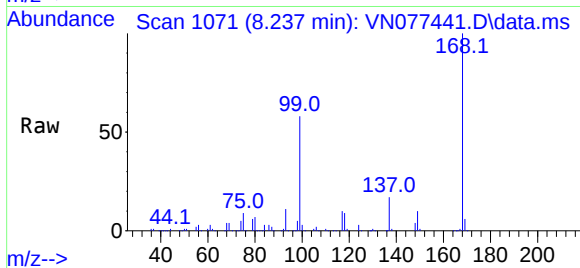
Tgt Ion: 56 Resp: 23352

Ion Ratio Lower Upper

56 100

69 134.7 26.8 40.2#

84 106.1 81.8 122.6



#32

1,1,1-Trichloroethane

Concen: 1.094 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

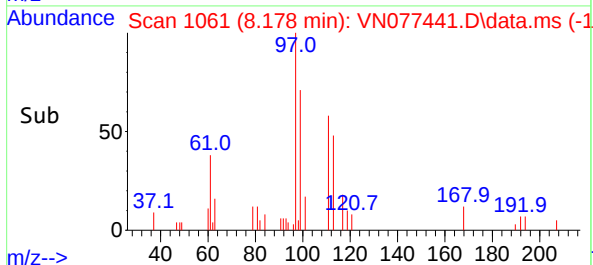
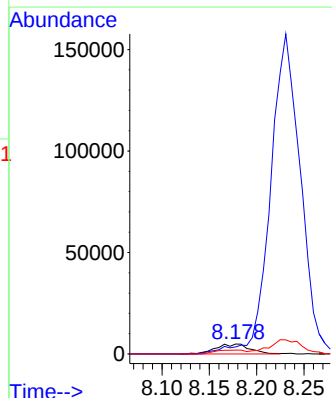
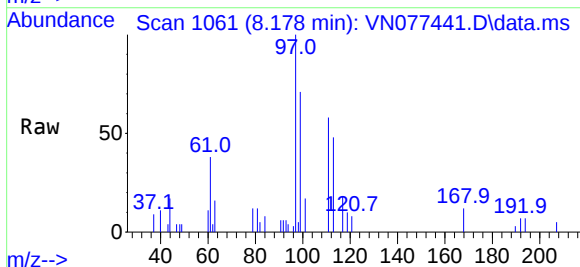
Tgt Ion: 97 Resp: 12331

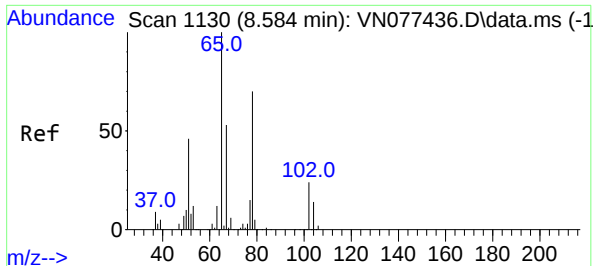
Ion Ratio Lower Upper

97 100

99 0.0 50.3 75.5#

61 34.3 34.7 52.1#

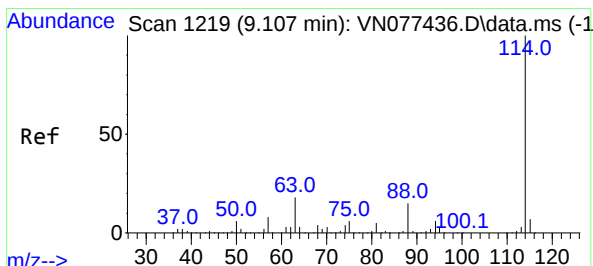
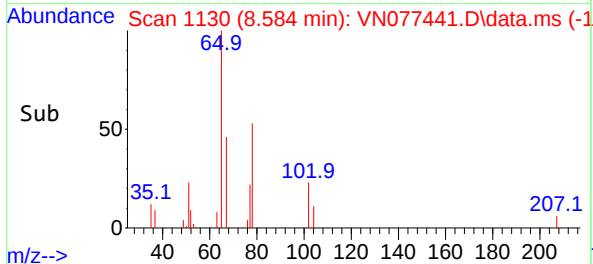
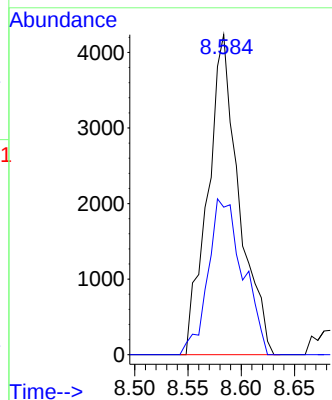
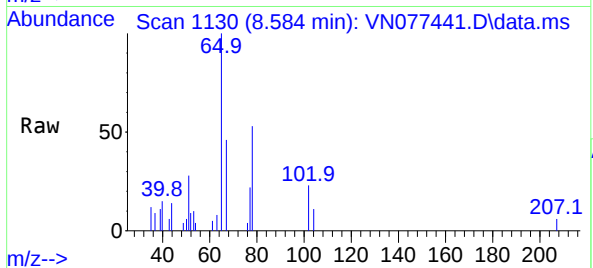




#33  
1,2-Dichloroethane-d4  
Concen: 1.225 ug/l  
RT: 8.584 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

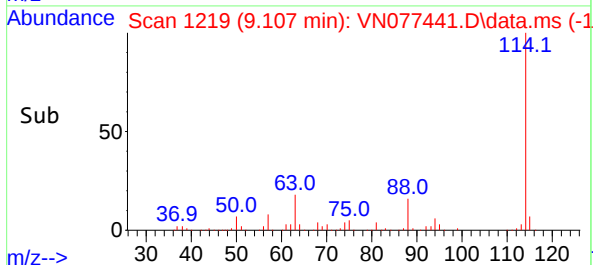
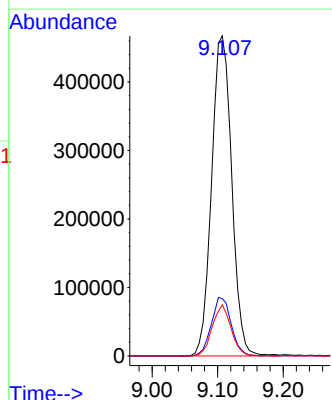
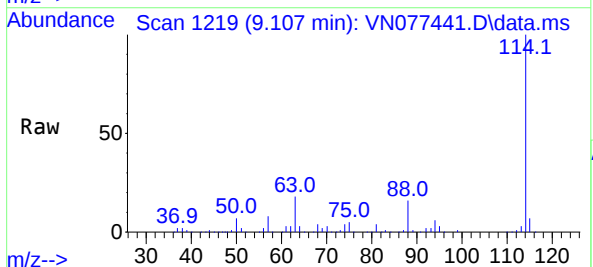
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

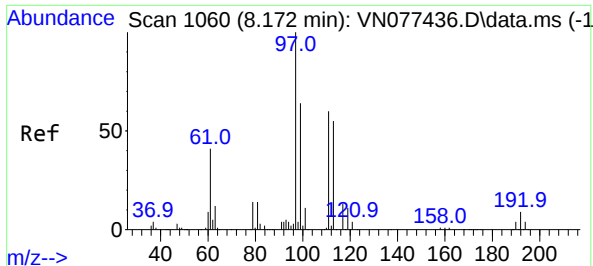
Tgt Ion: 65 Resp: 8628  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 106.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.107 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 114 Resp: 995865  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 36.4  
88 16.0 0.0 30.6

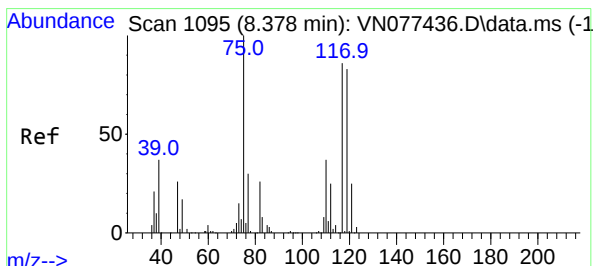
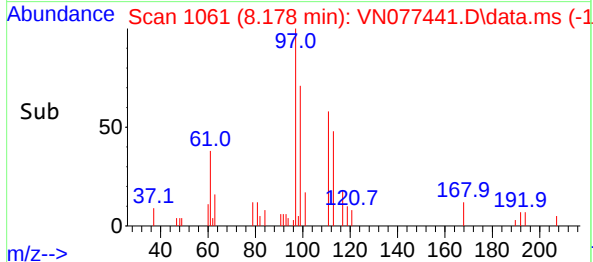
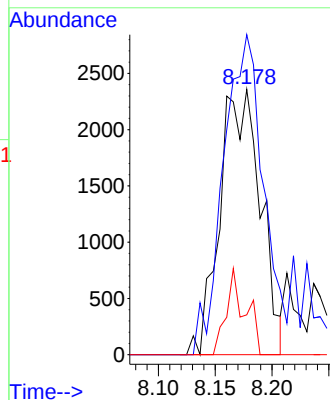
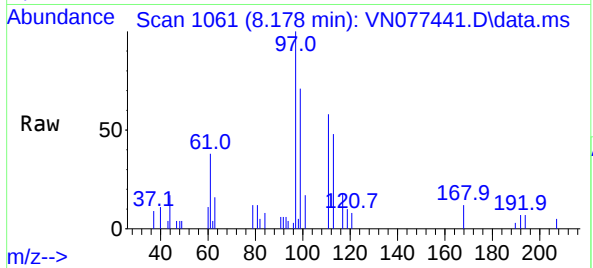




#35  
Dibromofluoromethane  
Concen: 0.987 ug/l  
RT: 8.178 min Scan# 1060  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

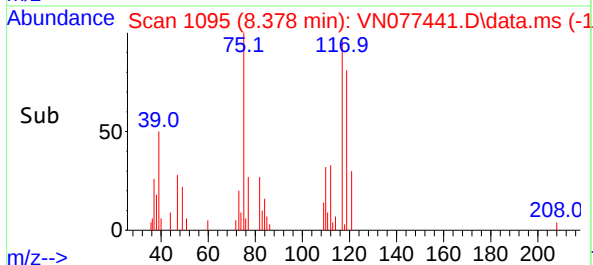
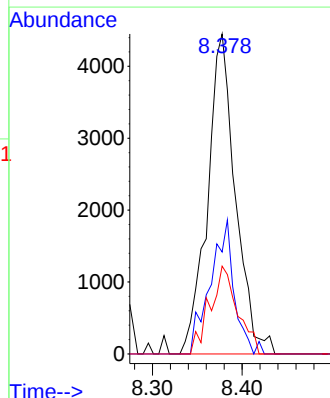
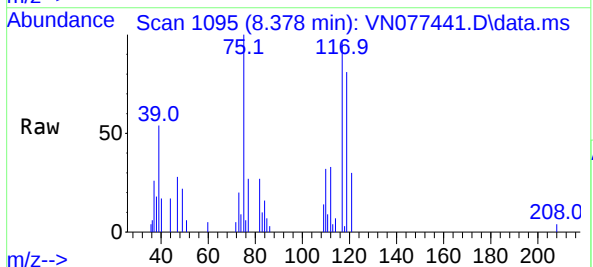
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

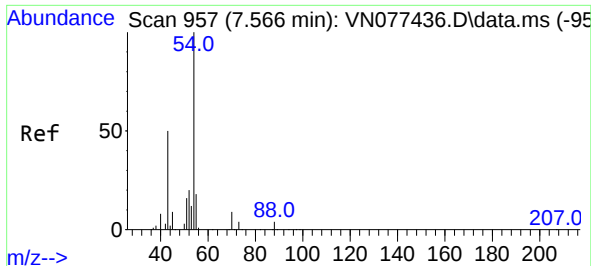
Tgt Ion: 113 Resp: 5893  
Ion Ratio Lower Upper  
113 100  
111 118.4 82.6 123.8  
192 15.1 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 1.115 ug/l  
RT: 8.378 min Scan# 1095  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 75 Resp: 9643  
Ion Ratio Lower Upper  
75 100  
110 35.8 19.1 57.3  
77 27.0 25.0 37.4

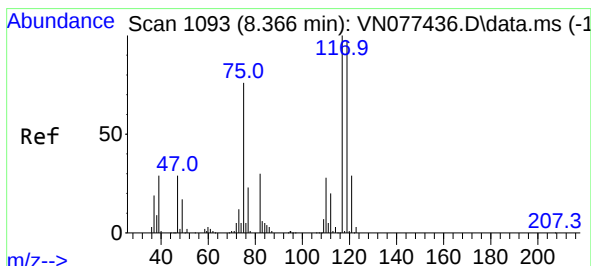
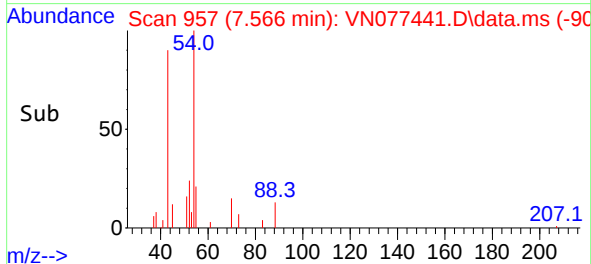
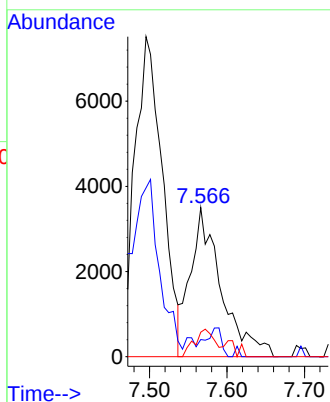
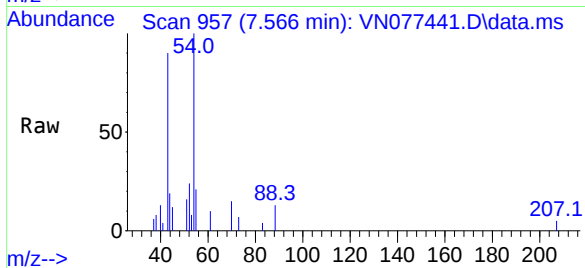




#37  
Ethyl Acetate  
Concen: 1.478 ug/l  
RT: 7.566 min Scan# 915  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

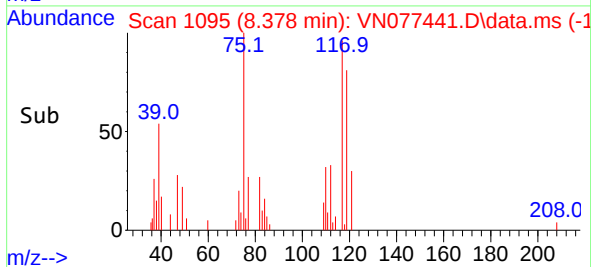
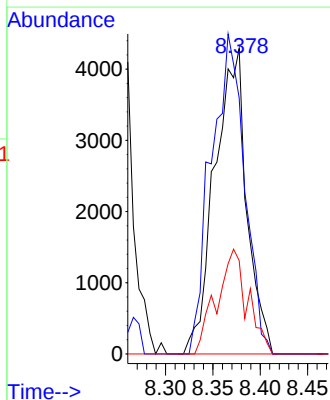
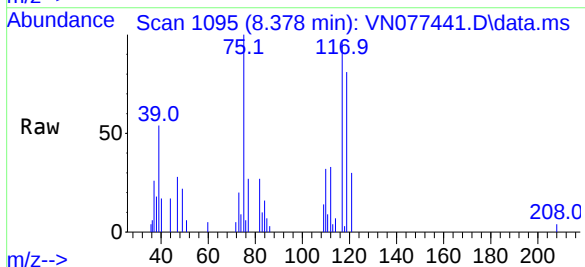
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

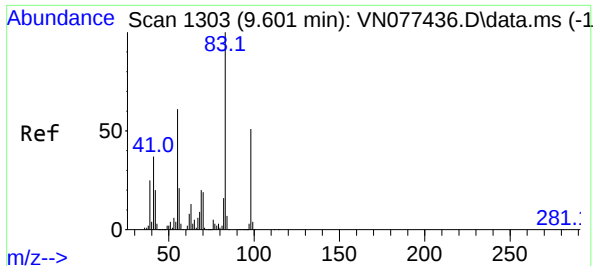
Tgt Ion: 43 Resp: 9715  
Ion Ratio Lower Upper  
43 100  
61 0.0 13.2 19.8#  
70 11.7 11.3 16.9



#38  
Carbon Tetrachloride  
Concen: 1.056 ug/l  
RT: 8.378 min Scan# 1095  
Delta R.T. 0.012 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 117 Resp: 10072  
Ion Ratio Lower Upper  
117 100  
119 83.9 77.3 115.9  
121 30.6 23.3 34.9





#39

Methylcyclohexane

Concen: 1.094 ug/l

RT: 9.601 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

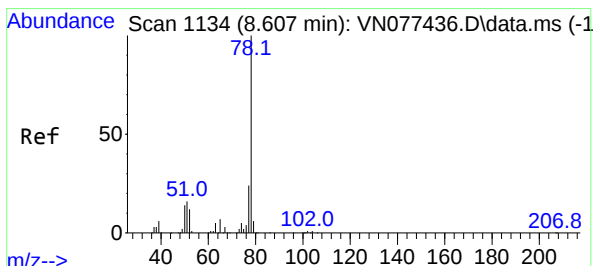
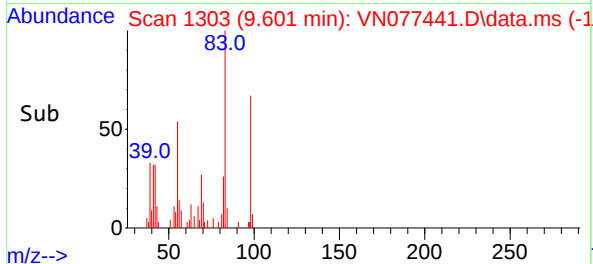
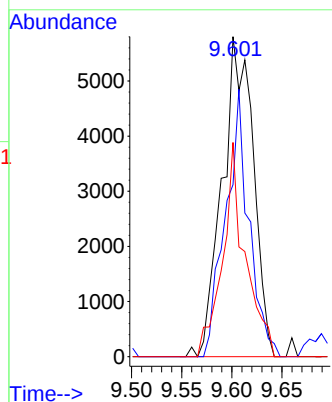
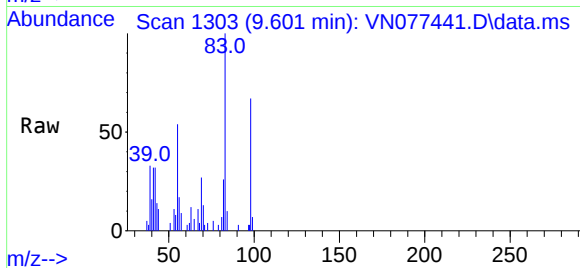
Tgt Ion: 83 Resp: 12459

Ion Ratio Lower Upper

83 100

55 53.8 49.1 73.7

98 66.9 40.6 61.0#



#40

Benzene

Concen: 1.155 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. 0.006 min

Lab File: VN077441.D

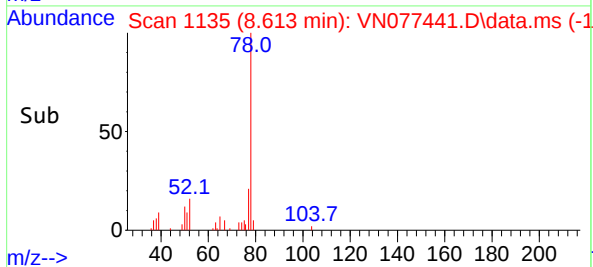
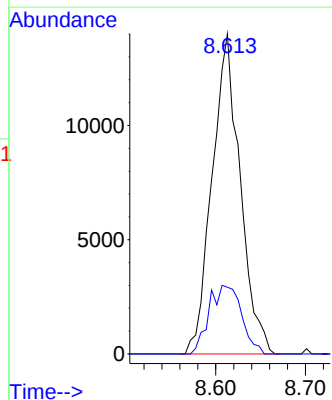
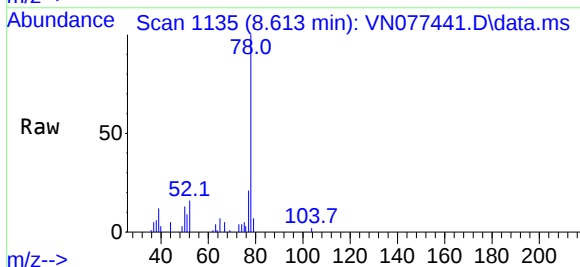
Acq: 24 Apr 2023 15:26

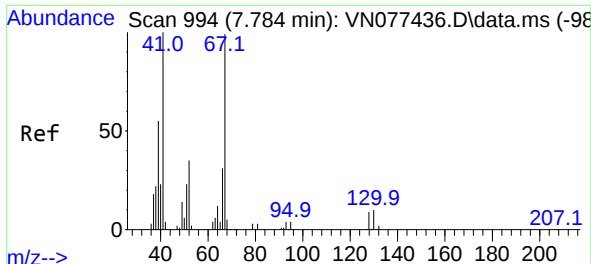
Tgt Ion: 78 Resp: 30425

Ion Ratio Lower Upper

78 100

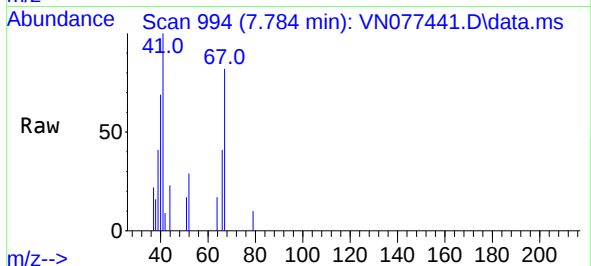
77 20.9 19.0 28.6





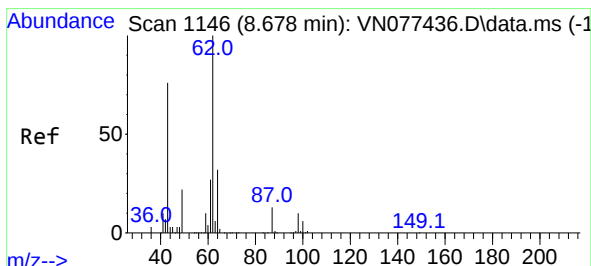
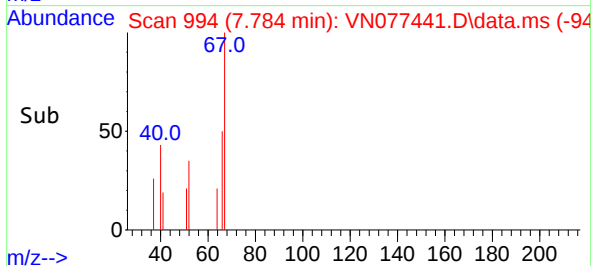
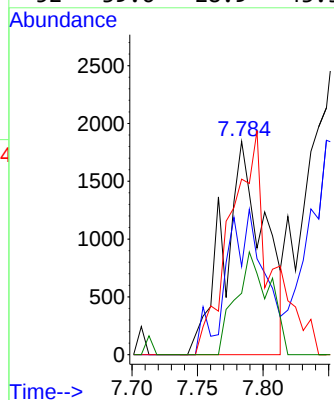
#41  
Methacrylonitrile  
Concen: 1.161 ug/l  
RT: 7.784 min Scan# 994  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



Tgt Ion: 41 Resp: 3973

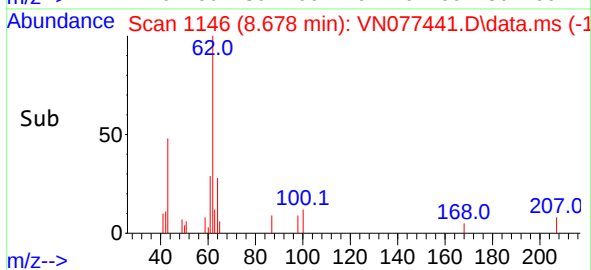
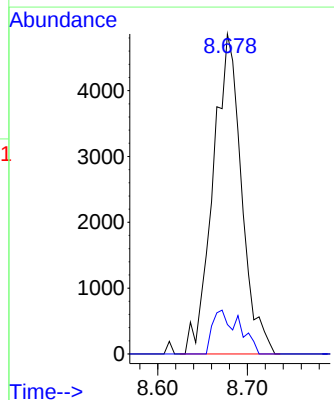
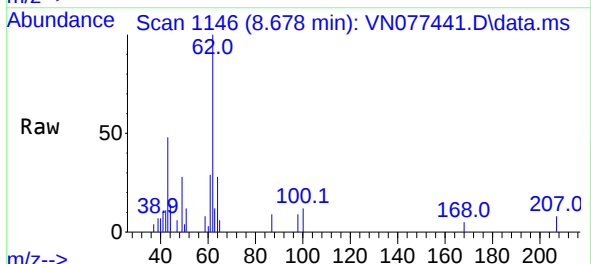
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 31.0  | 42.6  | 64.0# |
| 67  | 105.5 | 77.5  | 116.3 |
| 52  | 39.6  | 28.9  | 43.3  |

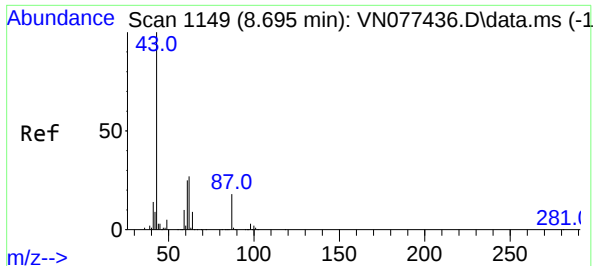


#42  
1,2-Dichloroethane  
Concen: 1.187 ug/l  
RT: 8.678 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 62 Resp: 10737

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 12.7  | 0.0   | 19.8  |

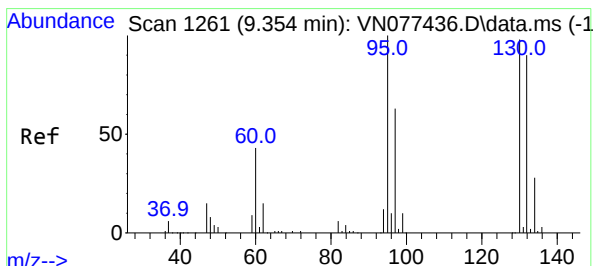
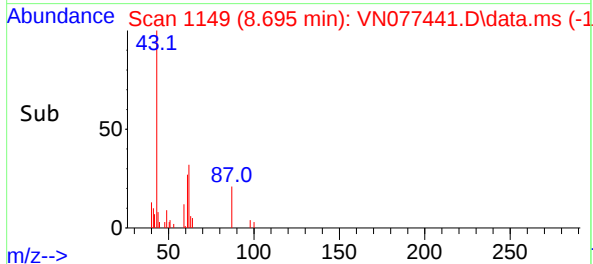
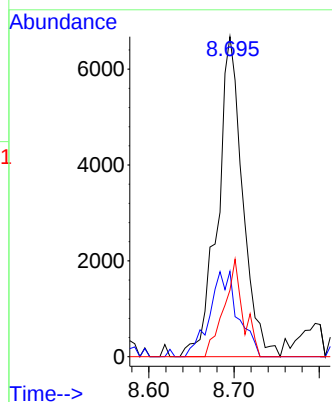
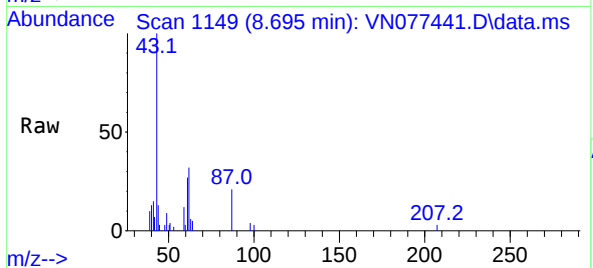




#43  
Isopropyl Acetate  
Concen: 1.198 ug/l  
RT: 8.695 min Scan# 1149  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

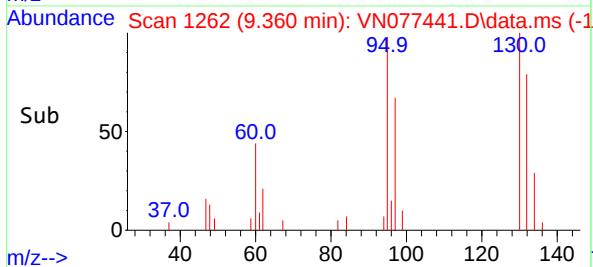
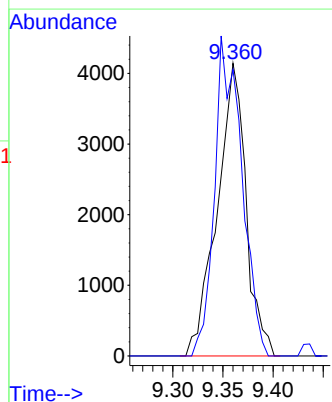
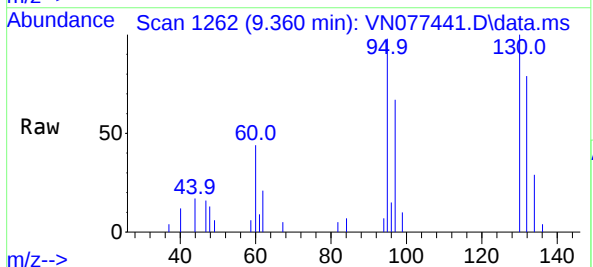
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

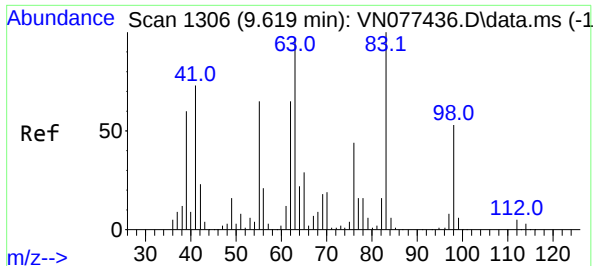
Tgt Ion: 43 Resp: 13624  
Ion Ratio Lower Upper  
43 100  
61 30.3 24.7 37.1  
87 23.4 14.6 21.8#



#44  
Trichloroethene  
Concen: 1.230 ug/l  
RT: 9.360 min Scan# 1262  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 130 Resp: 8294  
Ion Ratio Lower Upper  
130 100  
95 97.9 0.0 204.6





#45

1,2-Dichloropropane

Concen: 1.211 ug/l

RT: 9.631 min Scan# 1308

Delta R.T. 0.012 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Instrument :

MSVOA\_N

ClientSampleId :

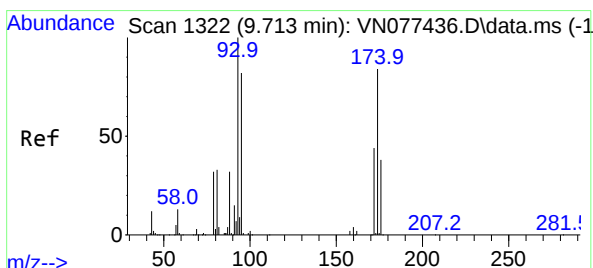
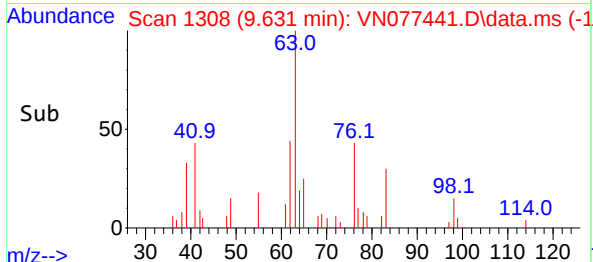
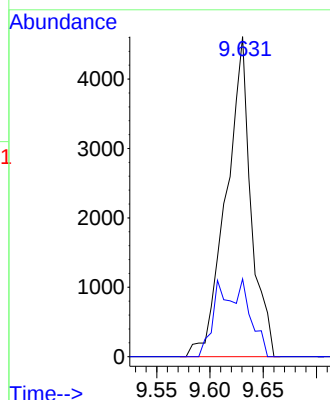
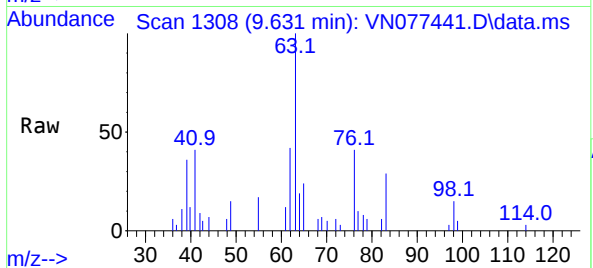
VSTDIC001

Tgt Ion: 63 Resp: 7470

Ion Ratio Lower Upper

63 100

65 24.3 23.9 35.9



#46

Dibromomethane

Concen: 1.186 ug/l

RT: 9.707 min Scan# 1321

Delta R.T. -0.006 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

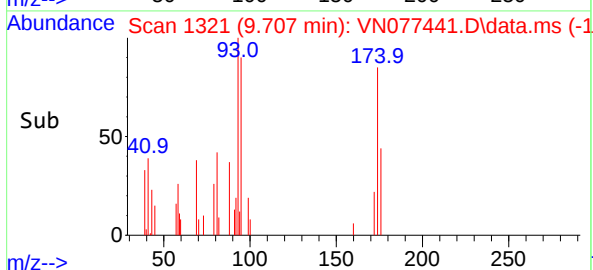
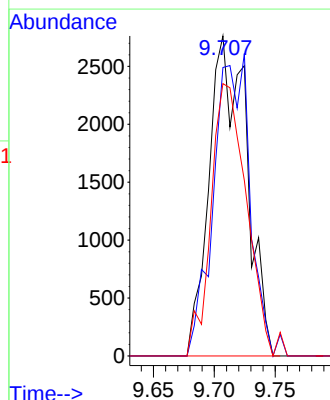
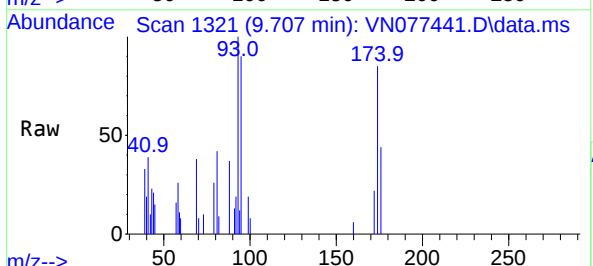
Tgt Ion: 93 Resp: 5936

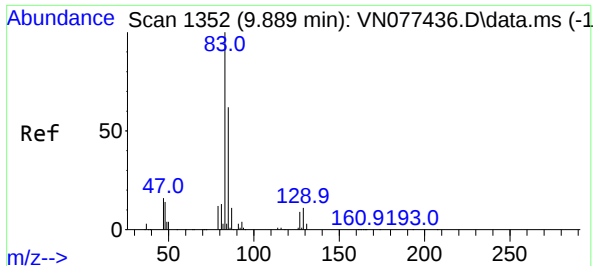
Ion Ratio Lower Upper

93 100

95 91.0 63.8 95.8

174 81.0 65.6 98.4

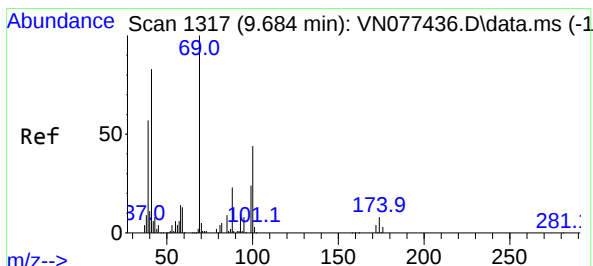
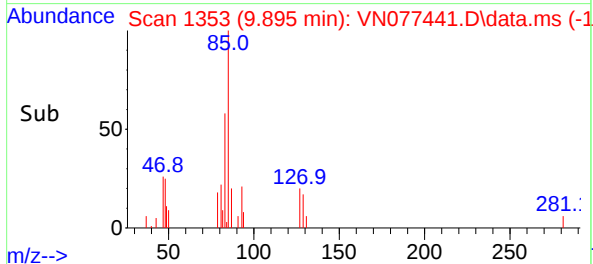
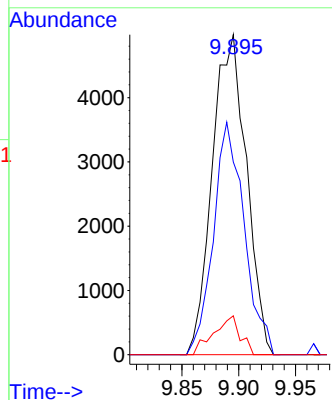
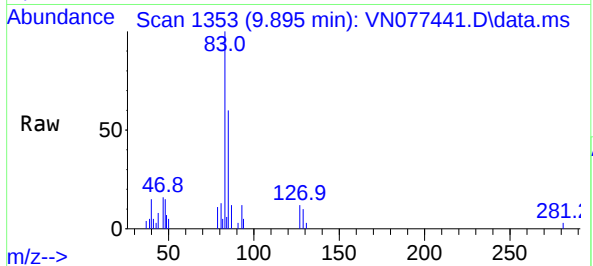




#47  
Bromodichloromethane  
Concen: 1.075 ug/l  
RT: 9.895 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

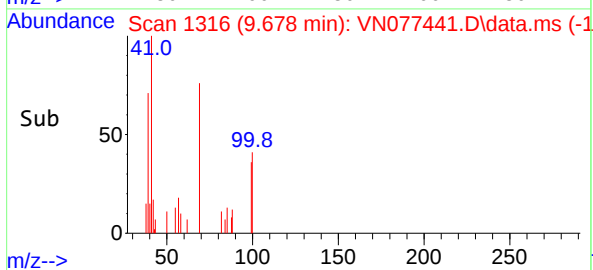
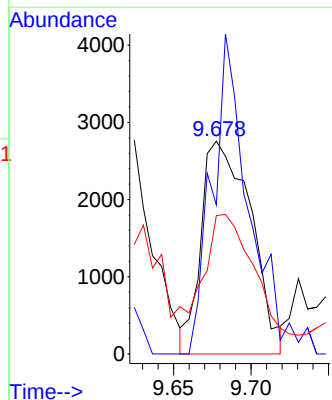
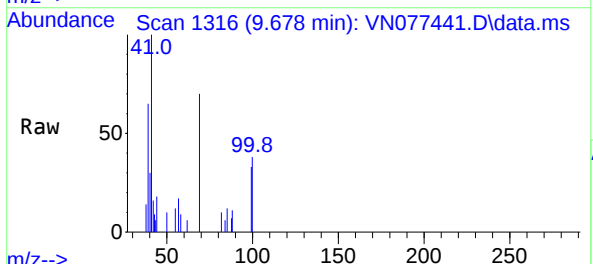
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

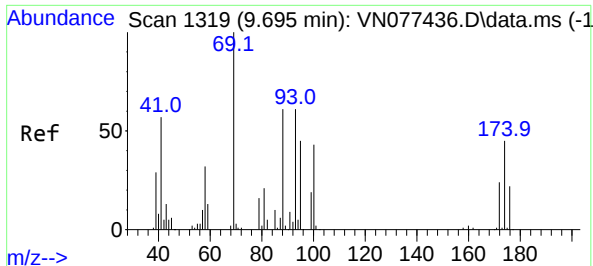
Tgt Ion: 83 Resp: 10410  
Ion Ratio Lower Upper  
83 100  
85 60.2 49.6 74.4  
127 12.1 7.0 10.6#



#48  
Methyl methacrylate  
Concen: 1.189 ug/l  
RT: 9.678 min Scan# 1316  
Delta R.T. -0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 41 Resp: 6155  
Ion Ratio Lower Upper  
41 100  
69 112.1 90.4 135.6  
39 68.7 54.6 81.8

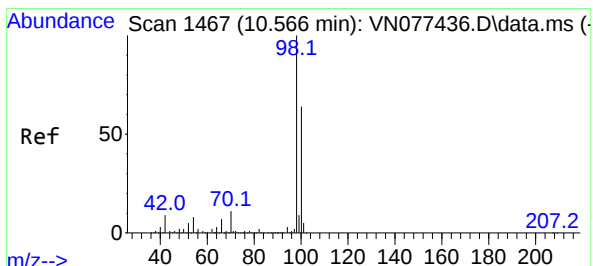
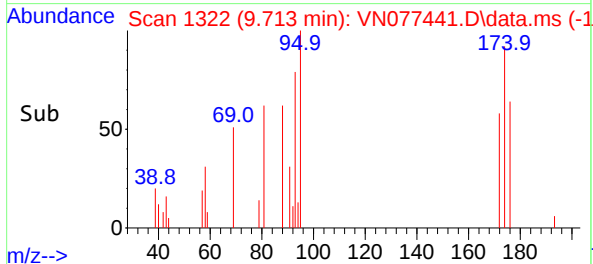
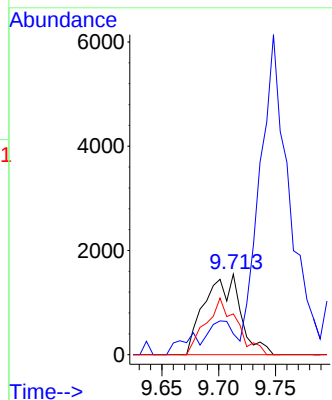
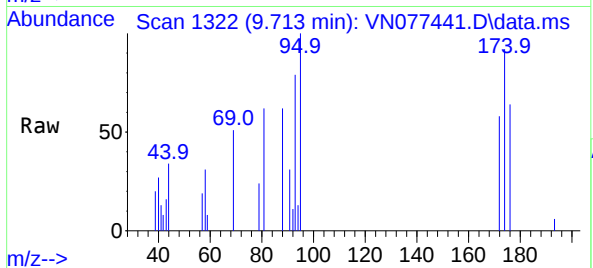




#49  
1,4-Dioxane  
Concen: 25.864 ug/l  
RT: 9.713 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

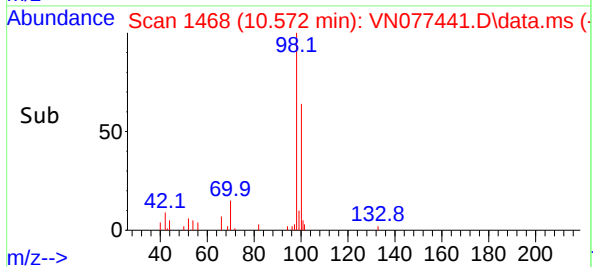
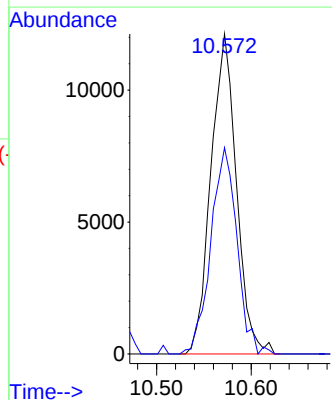
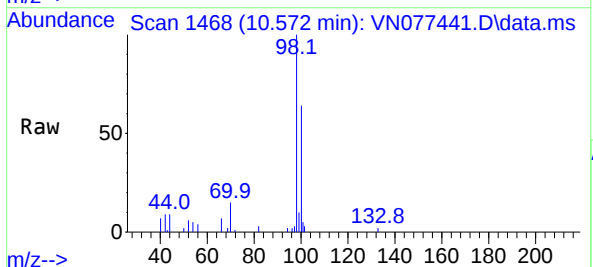
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

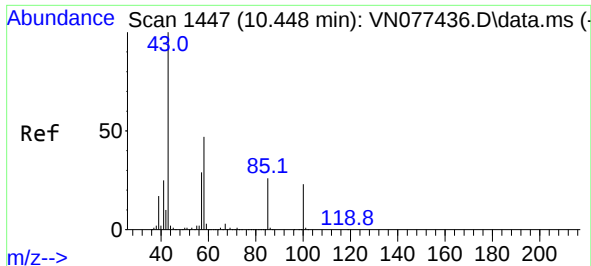
Tgt Ion: 88 Resp: 3357  
Ion Ratio Lower Upper  
88 100  
43 44.5 17.0 25.6#  
58 61.4 47.0 70.4



#50  
Toluene-d8  
Concen: 0.995 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 98 Resp: 22712  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.0 78.0

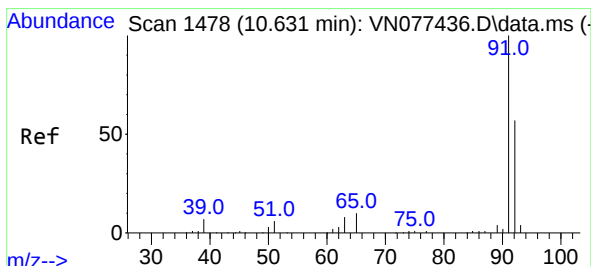
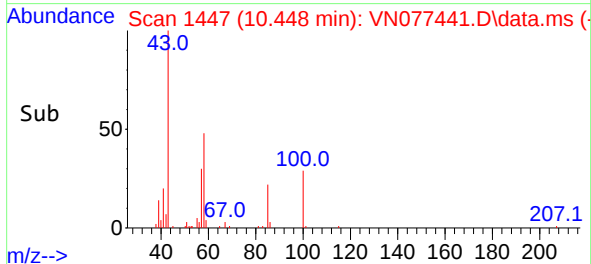
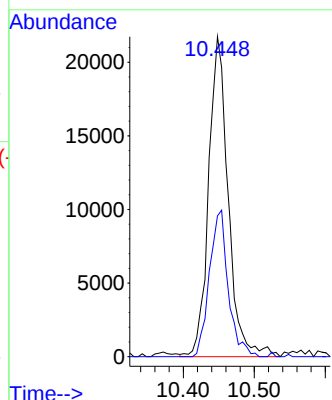
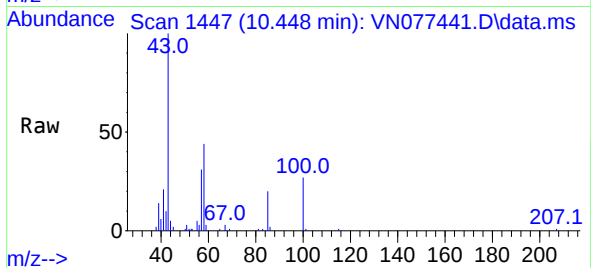




#51  
4-Methyl-2-Pentanone  
Concen: 6.249 ug/l  
RT: 10.448 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

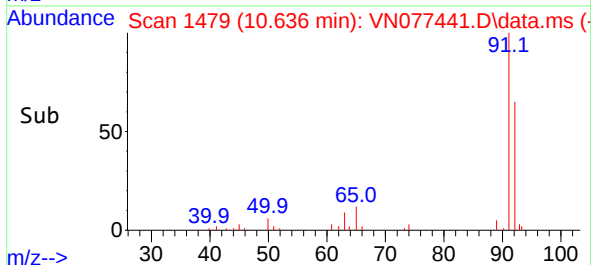
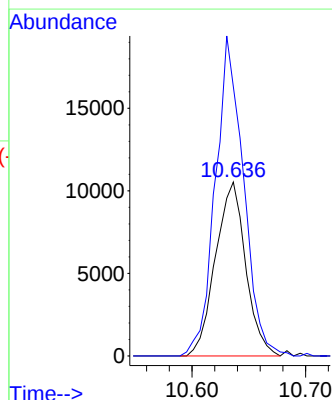
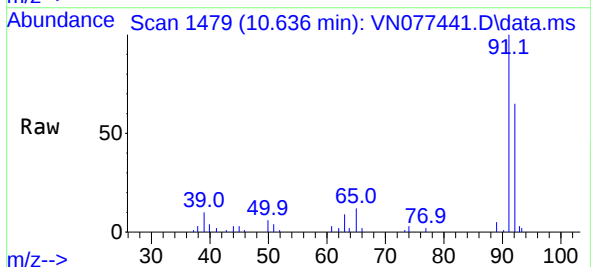
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

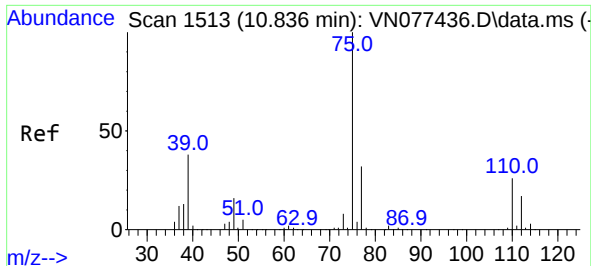
Tgt Ion: 43 Resp: 41664  
Ion Ratio Lower Upper  
43 100  
58 43.9 36.6 54.8



#52  
Toluene  
Concen: 1.127 ug/l  
RT: 10.636 min Scan# 1479  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 92 Resp: 19448  
Ion Ratio Lower Upper  
92 100  
91 171.4 137.4 206.0

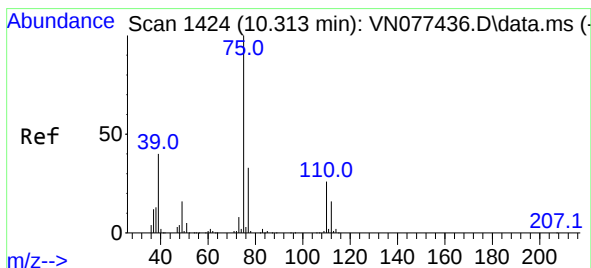
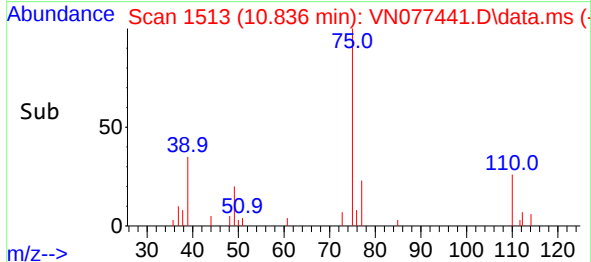
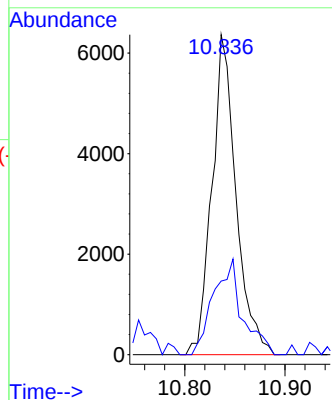
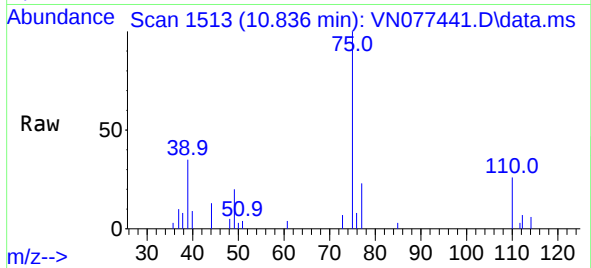




#53  
t-1,3-Dichloropropene  
Concen: 1.085 ug/l  
RT: 10.836 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

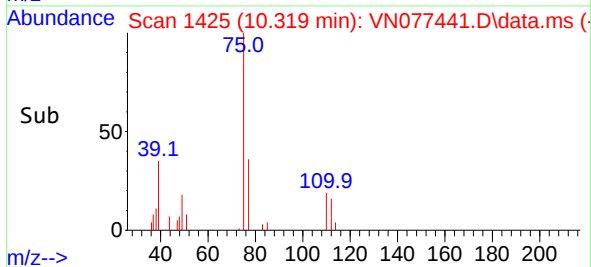
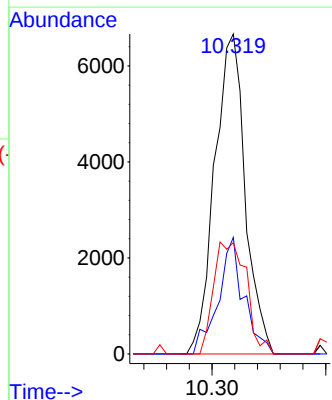
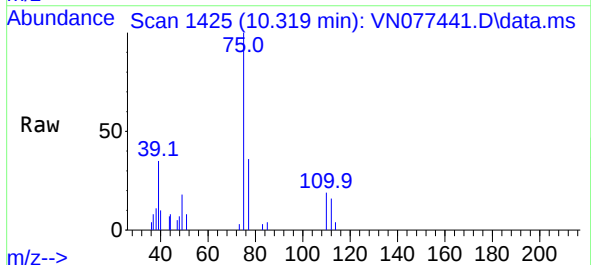
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

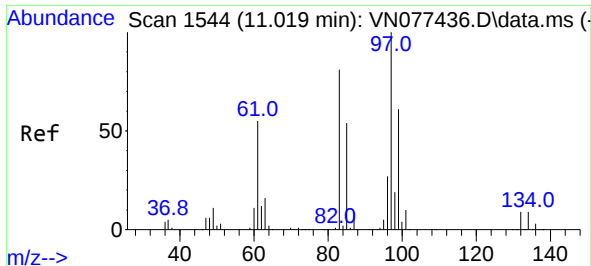
Tgt Ion: 75 Resp: 10641  
Ion Ratio Lower Upper  
75 100  
77 23.0 25.4 38.0#



#54  
cis-1,3-Dichloropropene  
Concen: 1.163 ug/l  
RT: 10.319 min Scan# 1425  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 75 Resp: 12412  
Ion Ratio Lower Upper  
75 100  
77 36.4 26.1 39.1  
39 34.8 31.6 47.4

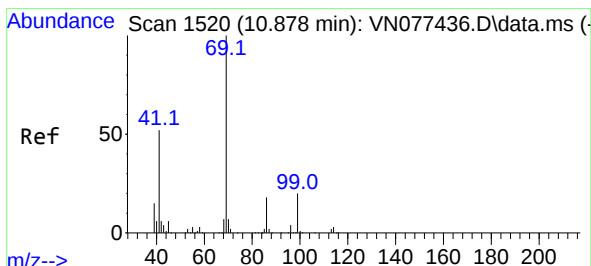
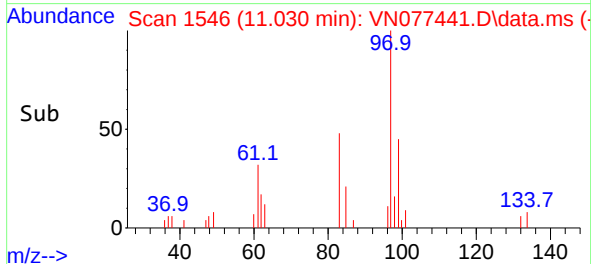
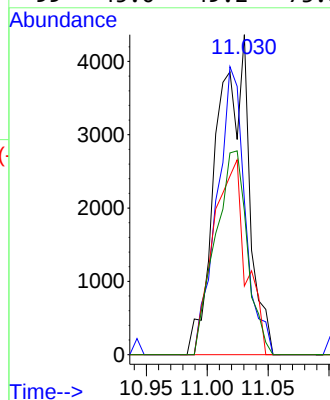
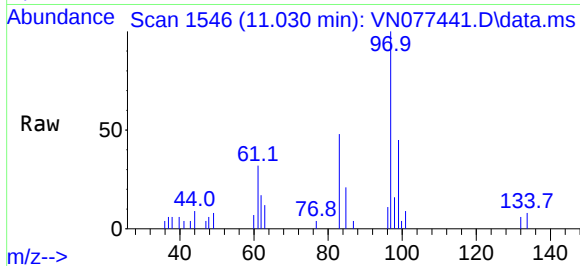




#55  
1,1,2-Trichloroethane  
Concen: 1.164 ug/l  
RT: 11.030 min Scan# 1544  
Delta R.T. 0.012 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

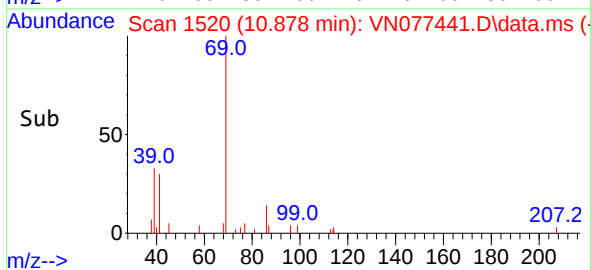
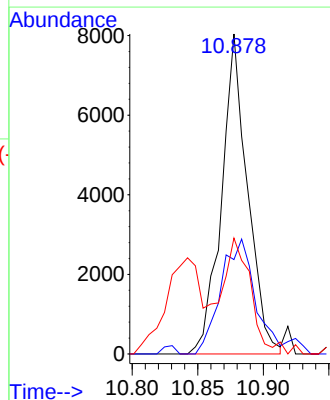
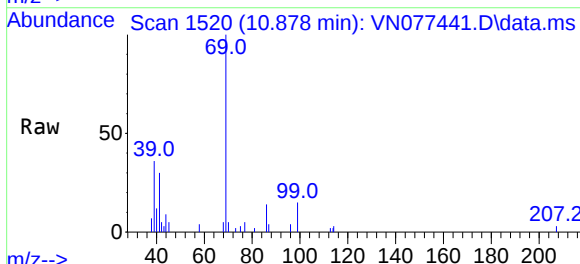
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

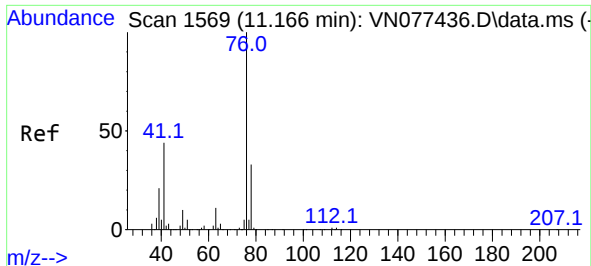
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 8081  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 48.3     | 65.1 97.7#  |
| 85 21.4     | 43.4 65.2#  |
| 99 45.0     | 49.2 73.8#  |



#56  
Ethyl methacrylate  
Concen: 1.143 ug/l  
RT: 10.878 min Scan# 1520  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 11112 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 50.1     | 39.6 59.4   |
| 39 39.0     | 28.6 43.0   |





#57

1,3-Dichloropropane

Concen: 1.164 ug/l

RT: 11.166 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Instrument :

MSVOA\_N

ClientSampleId :

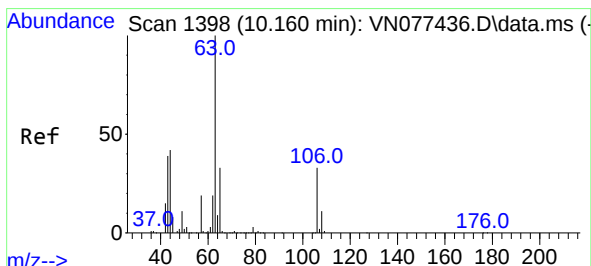
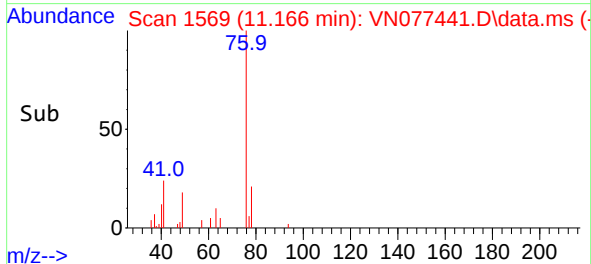
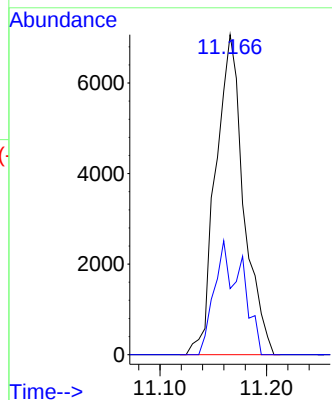
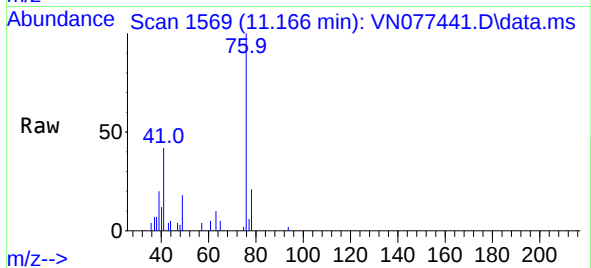
VSTDICC001

Tgt Ion: 76 Resp: 12864

Ion Ratio Lower Upper

76 100

78 35.0 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 4.849 ug/l

RT: 10.160 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VN077441.D

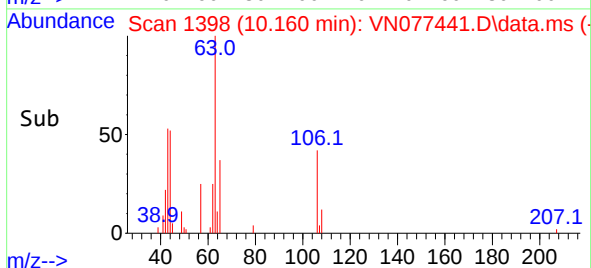
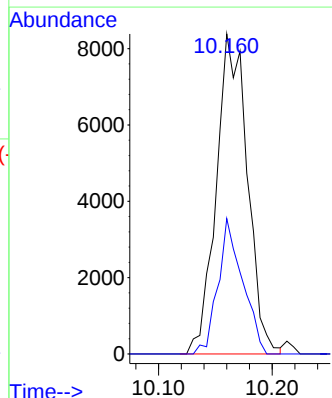
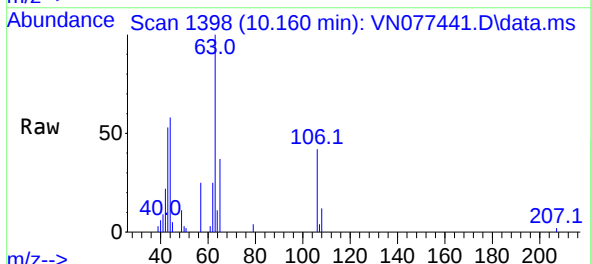
Acq: 24 Apr 2023 15:26

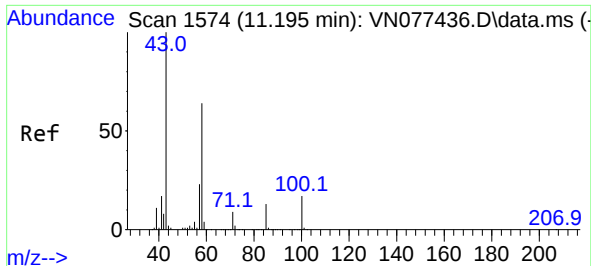
Tgt Ion: 63 Resp: 15949

Ion Ratio Lower Upper

63 100

106 33.5 26.2 39.4

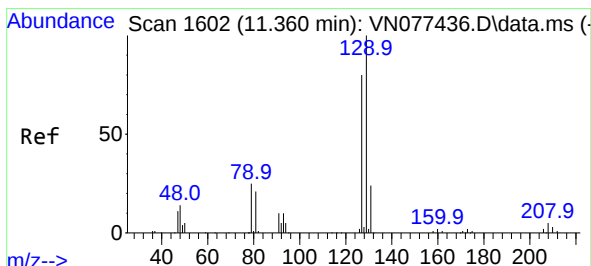
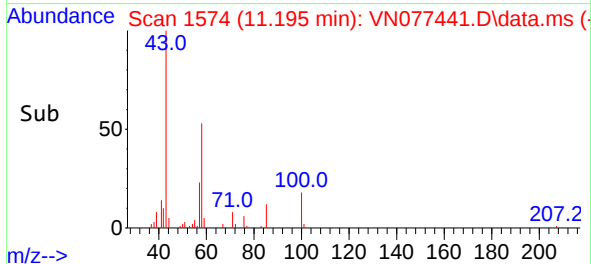
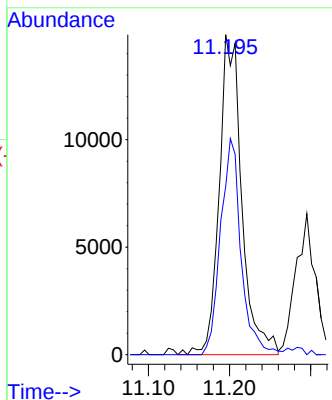
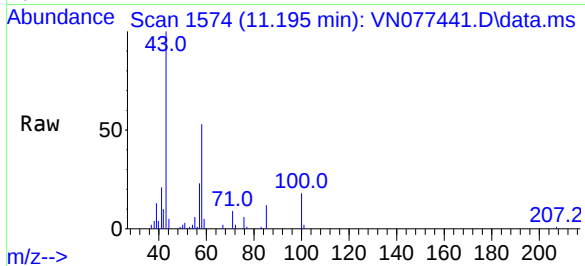




#59  
2-Hexanone  
Concen: 5.944 ug/l  
RT: 11.195 min Scan# 1574  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

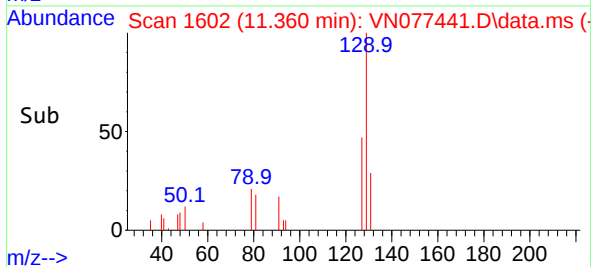
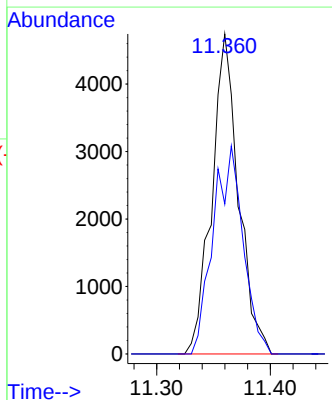
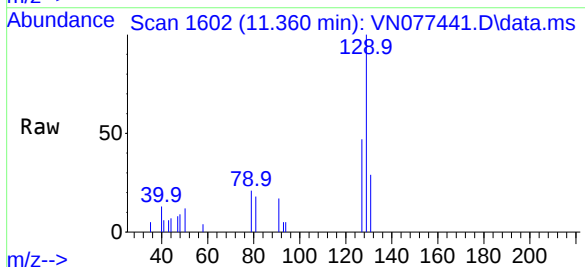
Instrument : MSVOA\_N  
ClientSampleId : VSTDIC001

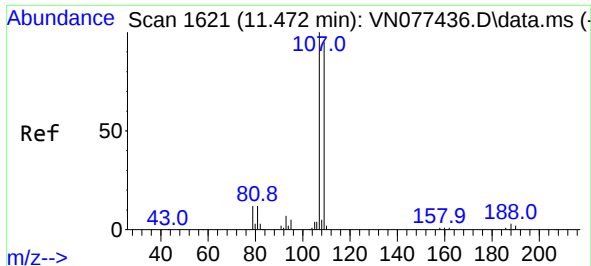
Tgt Ion: 43 Resp: 28808  
Ion Ratio Lower Upper  
43 100  
58 61.4 31.7 95.1



#60  
Dibromochloromethane  
Concen: 1.079 ug/l  
RT: 11.360 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion:129 Resp: 7772  
Ion Ratio Lower Upper  
129 100  
127 72.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 1.048 ug/l

RT: 11.472 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Instrument :

MSVOA\_N

ClientSampleId :

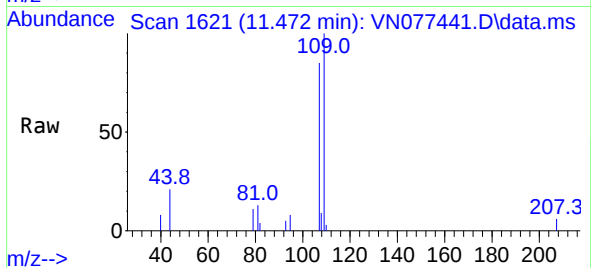
VSTDIC001

Tgt Ion:107 Resp: 7428

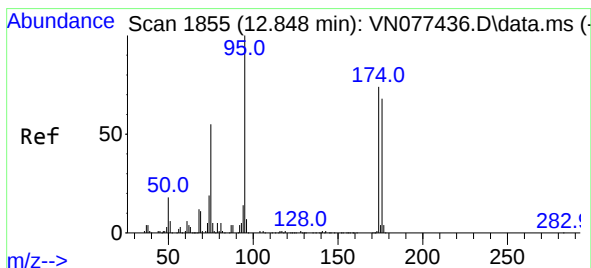
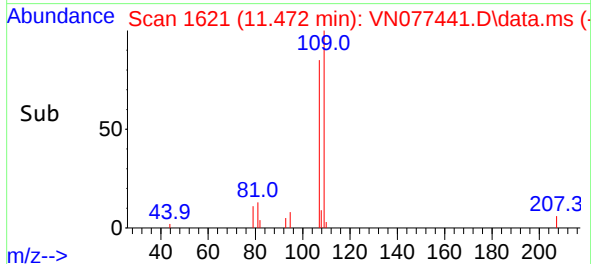
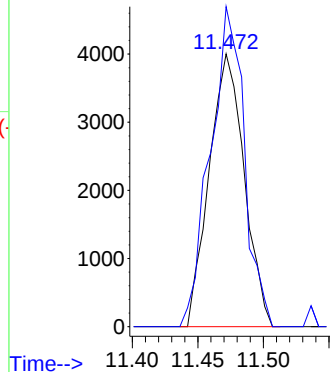
Ion Ratio Lower Upper

107 100

109 113.7 76.6 114.8



Abundance



#62

4-Bromofluorobenzene

Concen: 0.809 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

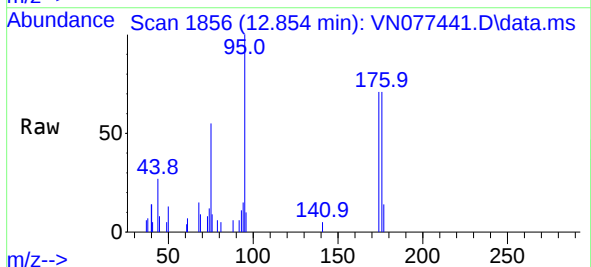
Tgt Ion: 95 Resp: 6051

Ion Ratio Lower Upper

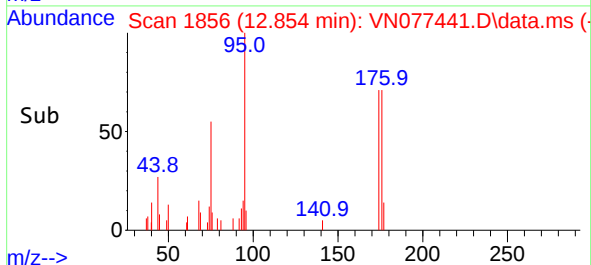
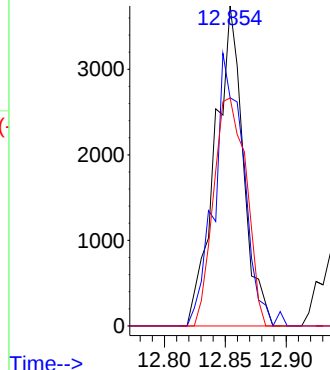
95 100

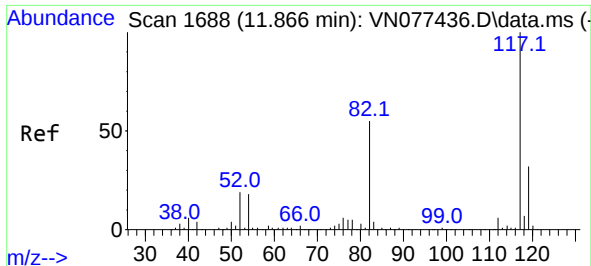
174 88.4 0.0 143.8

176 81.9 0.0 135.8



Abundance

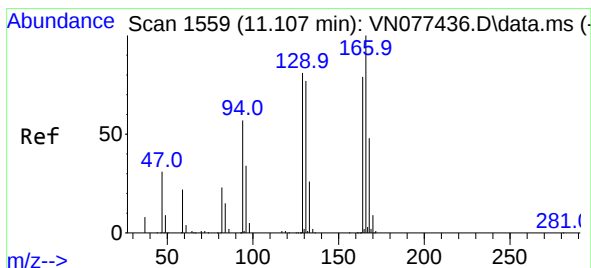
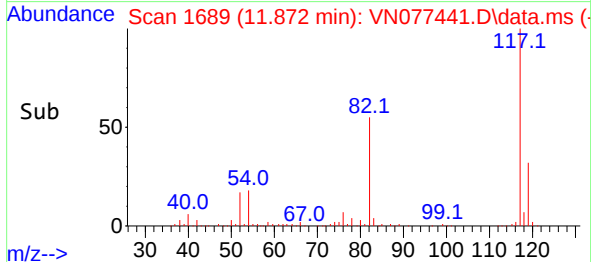
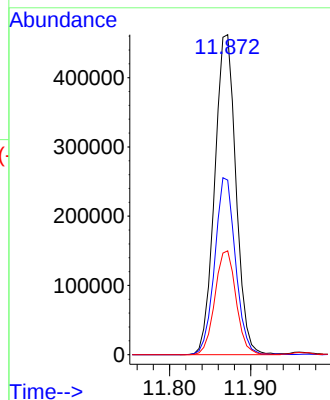
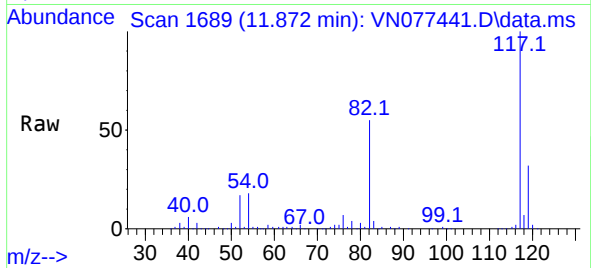




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.872 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

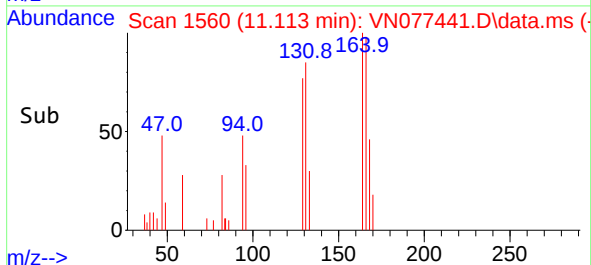
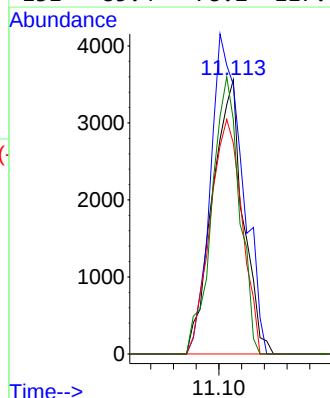
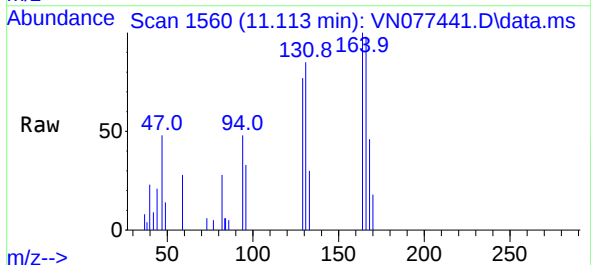
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

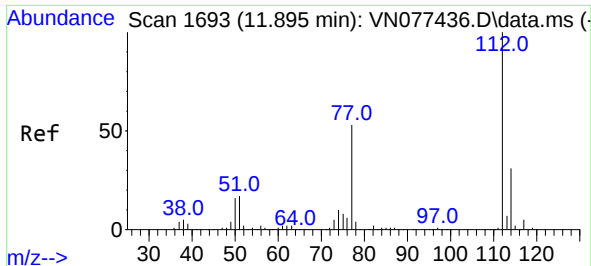
Tgt Ion:117 Resp: 841134  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.0 66.0  
119 32.5 25.6 38.4



#64  
Tetrachloroethene  
Concen: 1.331 ug/l  
RT: 11.113 min Scan# 1560  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion:164 Resp: 6703  
Ion Ratio Lower Upper  
164 100  
166 98.2 101.4 152.0#  
129 76.8 82.4 123.6#  
131 85.4 78.2 117.4

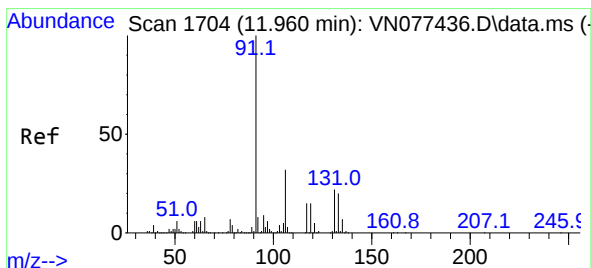
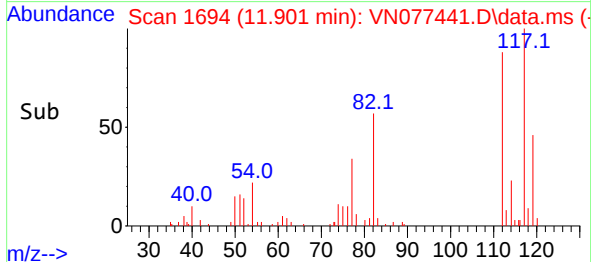
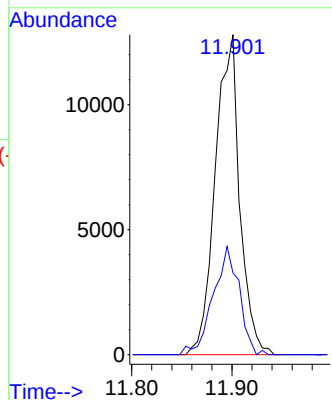
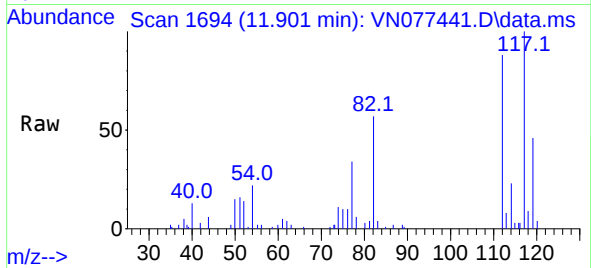




#65  
Chlorobenzene  
Concen: 1.214 ug/l  
RT: 11.901 min Scan# 1169  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

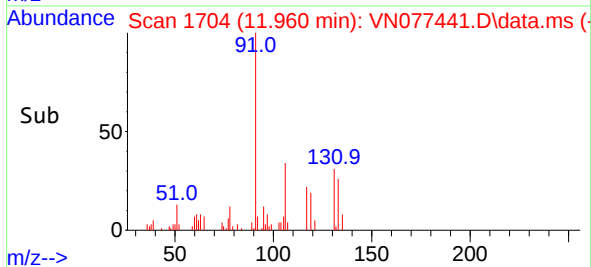
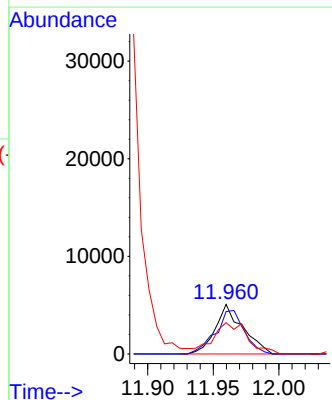
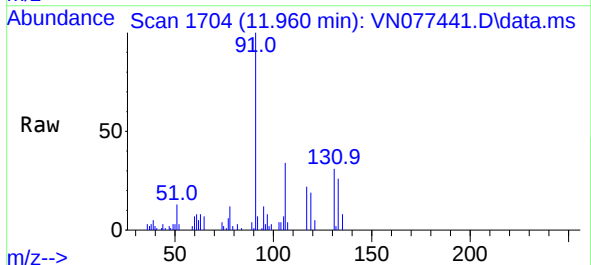
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

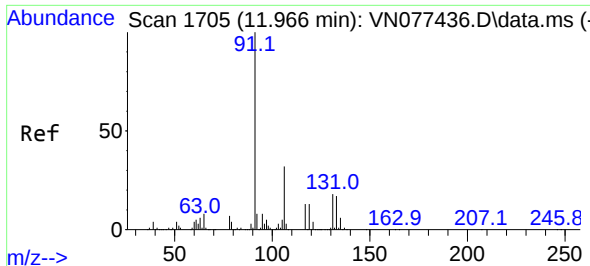
Tgt Ion:112 Resp: 21600  
Ion Ratio Lower Upper  
112 100  
114 25.5 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 1.147 ug/l  
RT: 11.960 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion:131 Resp: 7428  
Ion Ratio Lower Upper  
131 100  
133 91.9 46.4 139.1  
119 0.0 34.1 102.2#

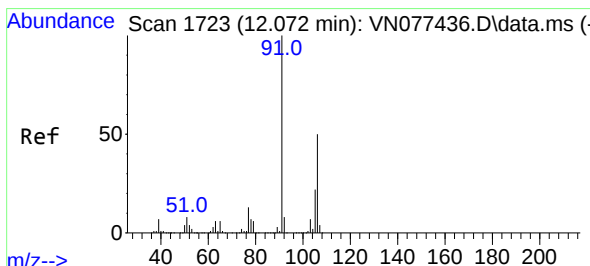
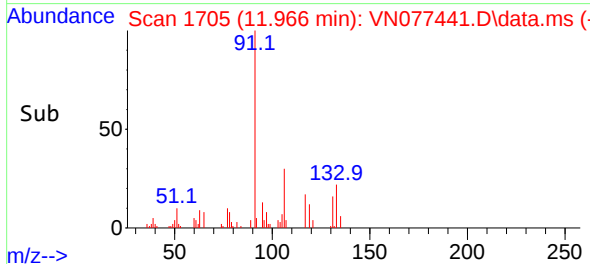
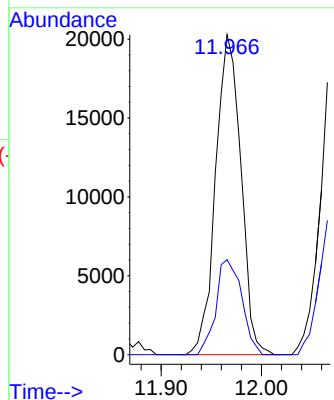
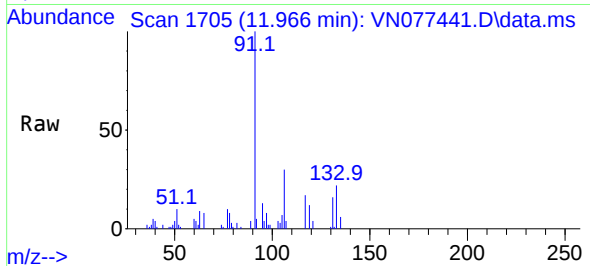




#67  
Ethyl Benzene  
Concen: 1.130 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

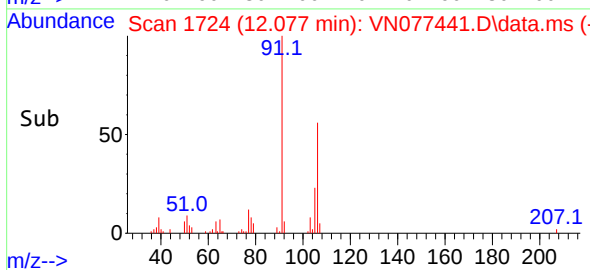
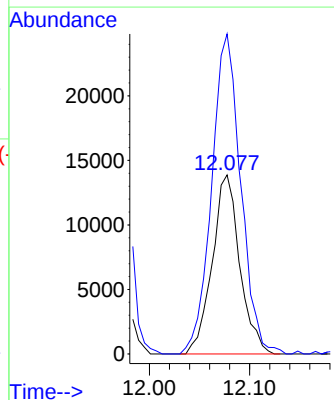
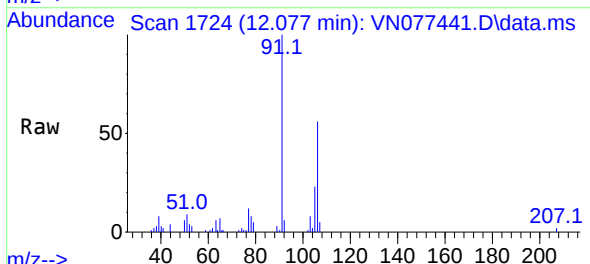
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

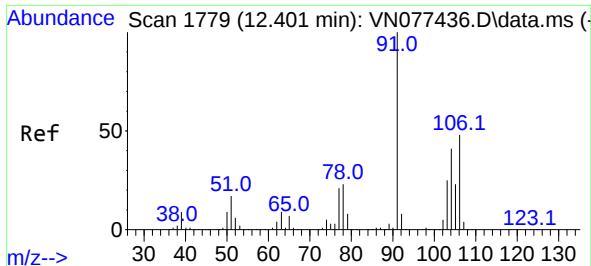
Tgt Ion: 91 Resp: 35420  
Ion Ratio Lower Upper  
91 100  
106 29.7 25.6 38.4



#68  
m/p-Xylenes  
Concen: 2.171 ug/l  
RT: 12.077 min Scan# 1724  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion:106 Resp: 26440  
Ion Ratio Lower Upper  
106 100  
91 189.1 159.6 239.4

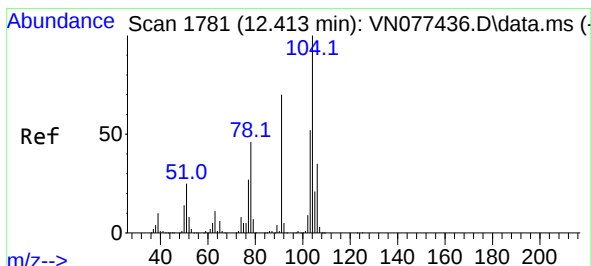
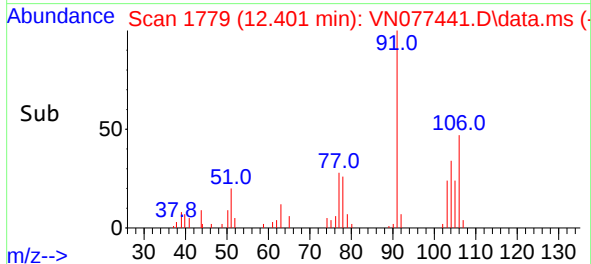
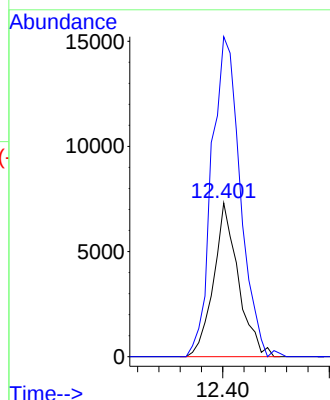
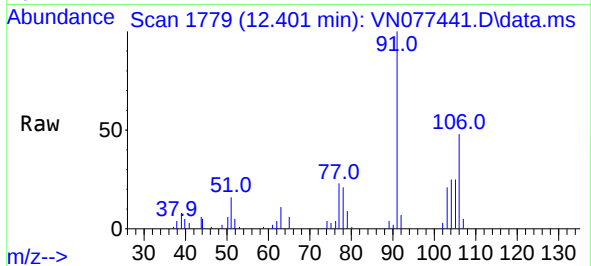




#69  
o-Xylene  
Concen: 0.982 ug/l  
RT: 12.401 min Scan# 11759  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

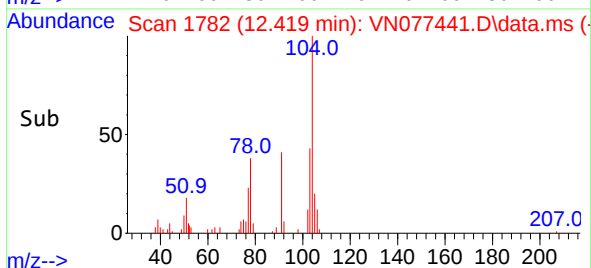
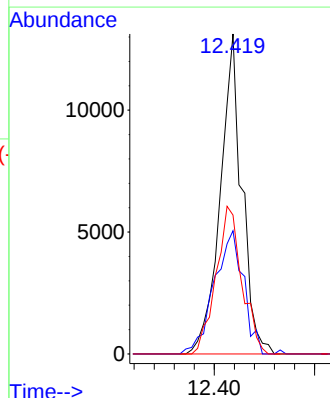
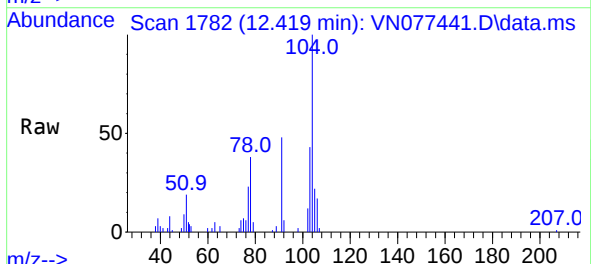
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

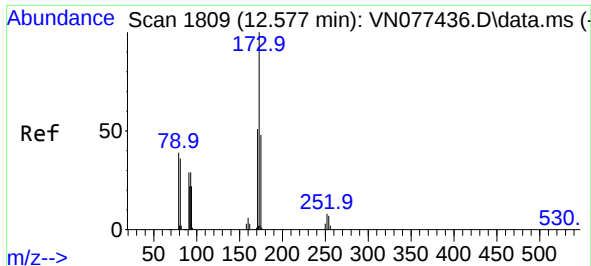
Tgt Ion:106 Resp: 11759  
Ion Ratio Lower Upper  
106 100  
91 240.7 105.2 315.5



#70  
Styrene  
Concen: 1.052 ug/l  
RT: 12.419 min Scan# 1782  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion:104 Resp: 19715  
Ion Ratio Lower Upper  
104 100  
78 51.7 39.5 59.3  
103 54.9 43.2 64.8

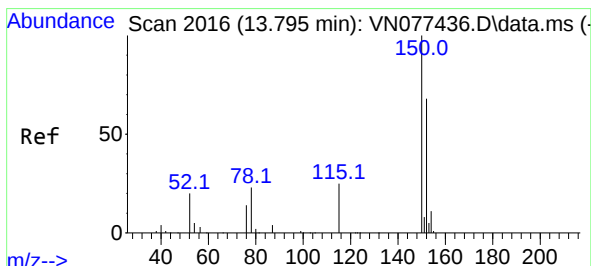
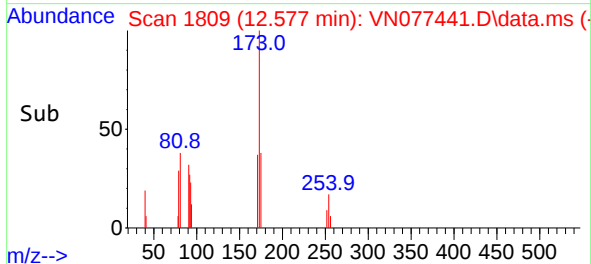
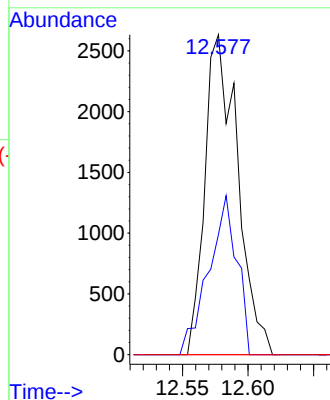
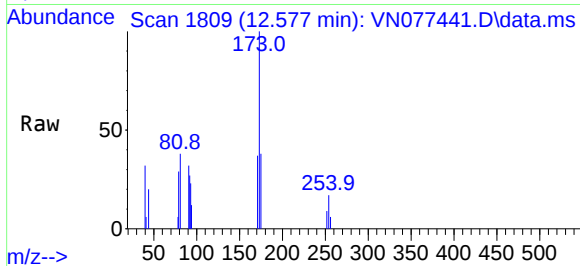




#71  
Bromoform  
Concen: 1.076 ug/l  
RT: 12.577 min Scan# 1809  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

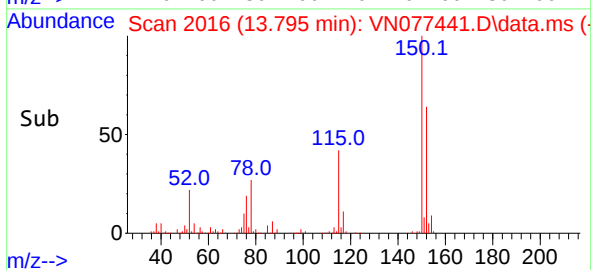
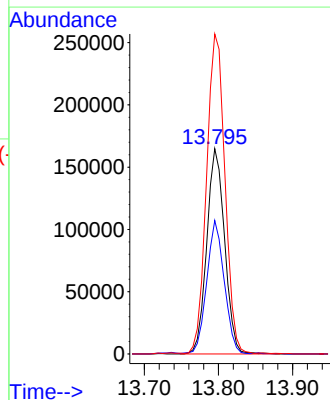
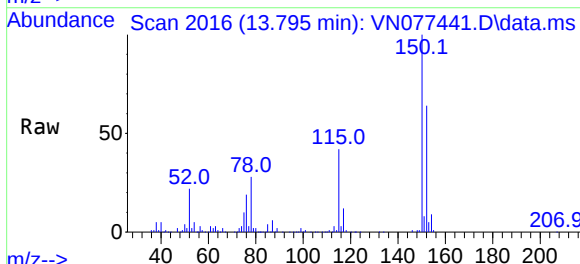
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

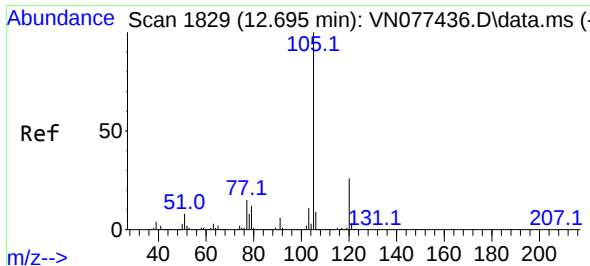
Tgt Ion:173 Resp: 4559  
Ion Ratio Lower Upper  
173 100  
175 43.1 24.3 73.0  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion:152 Resp: 276360  
Ion Ratio Lower Upper  
152 100  
115 63.2 32.3 96.8  
150 160.5 0.0 355.8

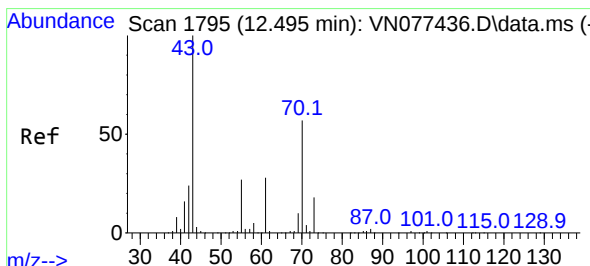
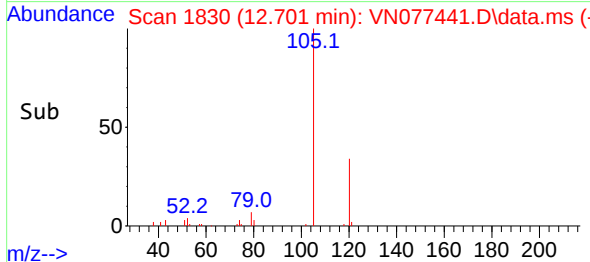
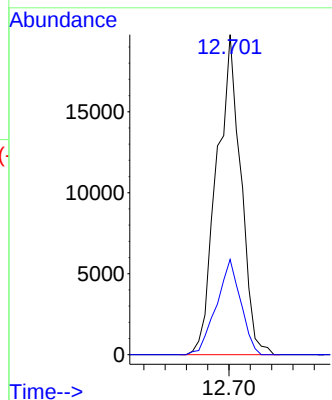
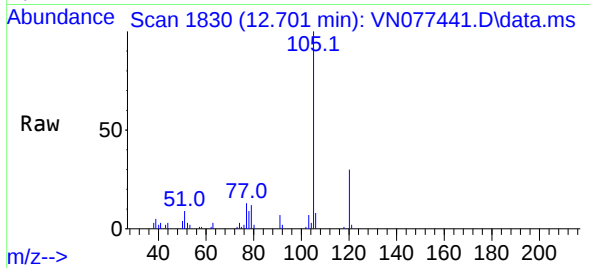




#73  
Isopropylbenzene  
Concen: 1.213 ug/l  
RT: 12.701 min Scan# 1830  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

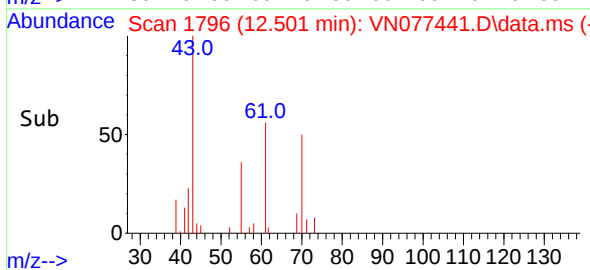
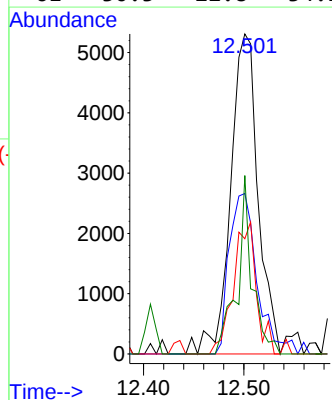
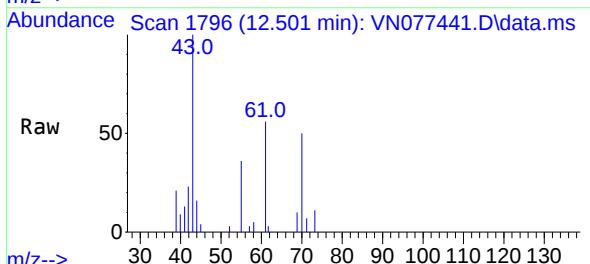
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

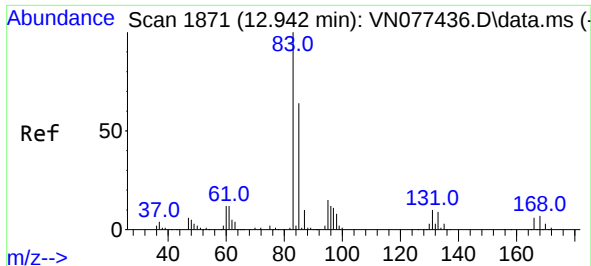
Tgt Ion:105 Resp: 31110  
Ion Ratio Lower Upper  
105 100  
120 29.8 13.1 39.1



#74  
N-ethyl acetate  
Concen: 1.334 ug/l  
RT: 12.501 min Scan# 1796  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 43 Resp: 10130  
Ion Ratio Lower Upper  
43 100  
70 51.7 43.4 65.2  
55 34.4 21.4 32.0#  
61 30.3 22.8 34.2

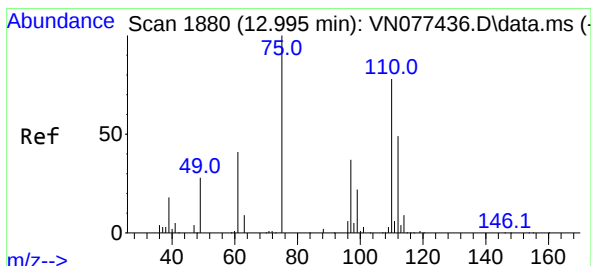
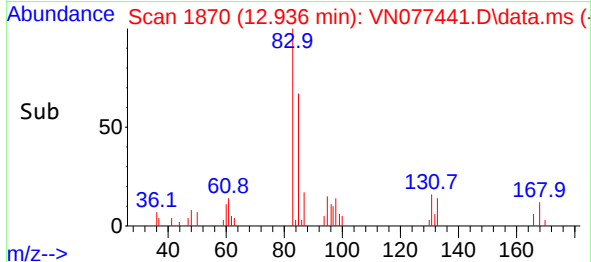
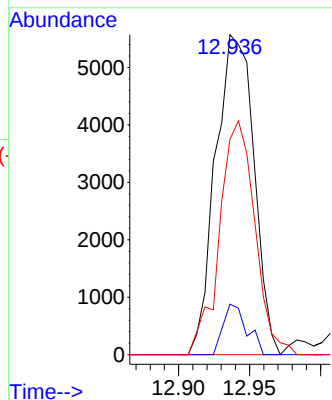
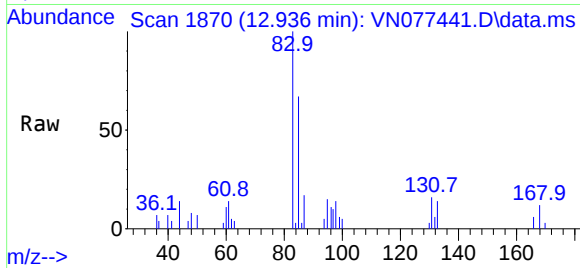




#75  
1,1,2,2-Tetrachloroethane  
Concen: 1.301 ug/l  
RT: 12.936 min Scan# 1871  
Delta R.T. -0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

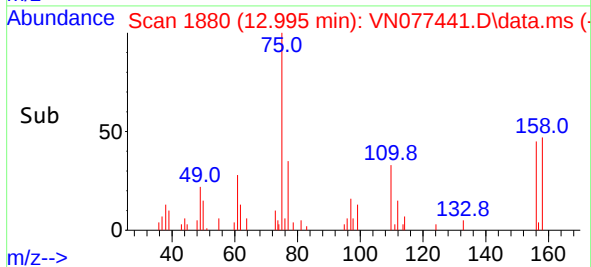
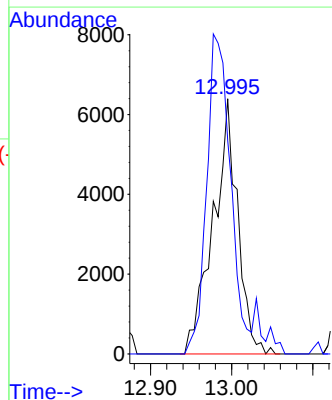
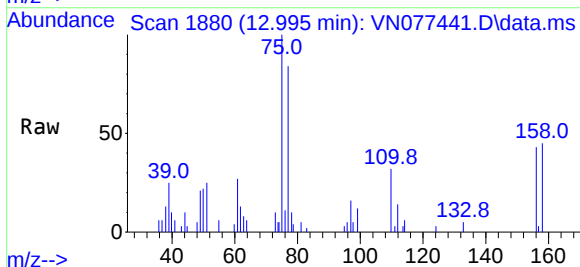
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

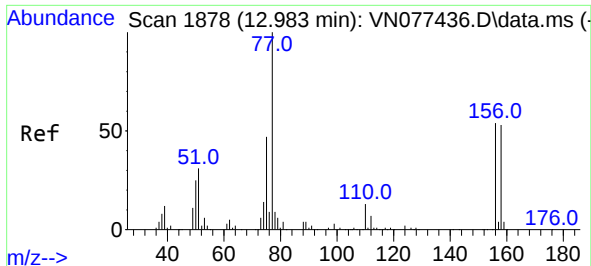
Tgt Ion: 83 Resp: 10481  
Ion Ratio Lower Upper  
83 100  
131 9.7 5.0 15.0  
85 67.4 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 2.056 ug/l  
RT: 12.995 min Scan# 1880  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 75 Resp: 13503  
Ion Ratio Lower Upper  
75 100  
77 121.1 84.5 253.5

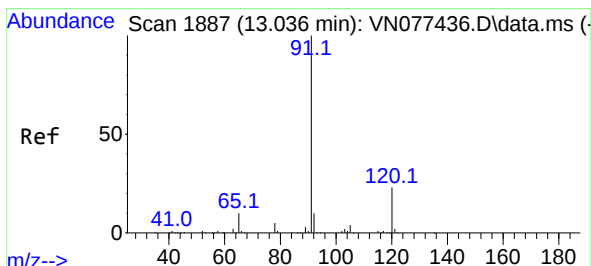
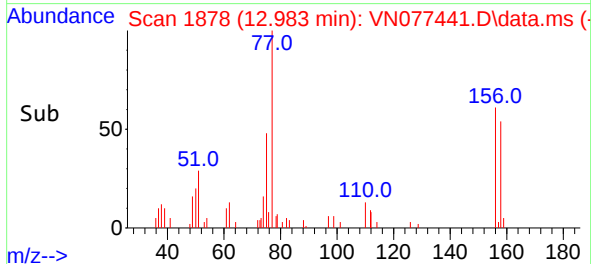
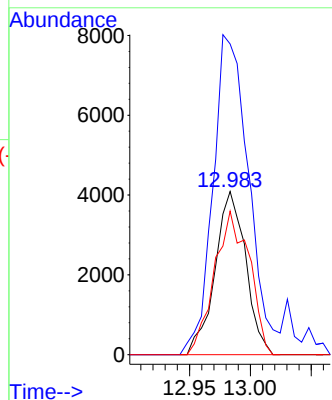
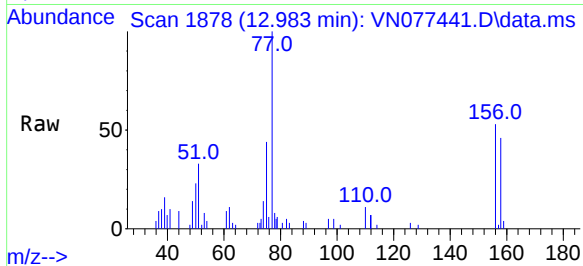




#77  
Bromobenzene  
Concen: 1.284 ug/l  
RT: 12.983 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

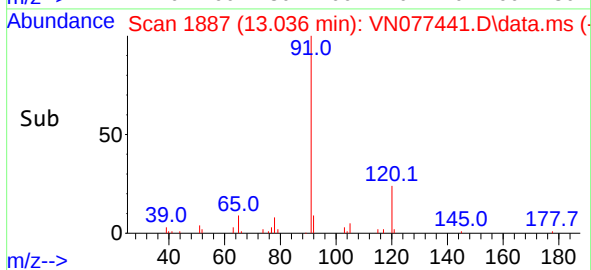
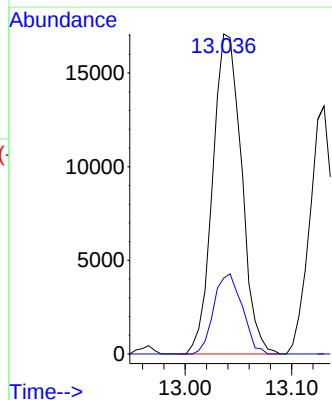
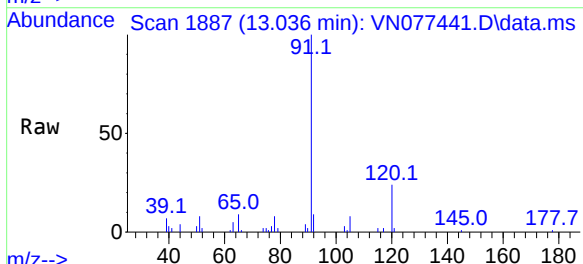
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

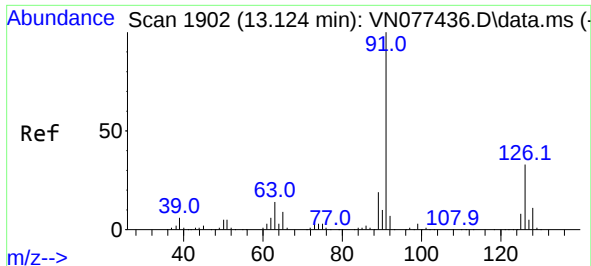
Tgt Ion:156 Resp: 7175  
Ion Ratio Lower Upper  
156 100  
77 228.0 107.7 323.3  
158 99.8 48.4 145.3



#78  
n-propylbenzene  
Concen: 1.132 ug/l  
RT: 13.036 min Scan# 1887  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 91 Resp: 32094  
Ion Ratio Lower Upper  
91 100  
120 24.6 11.5 34.4





#79

2-Chlorotoluene

Concen: 1.353 ug/l

RT: 13.130 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Instrument :

MSVOA\_N

ClientSampleId :

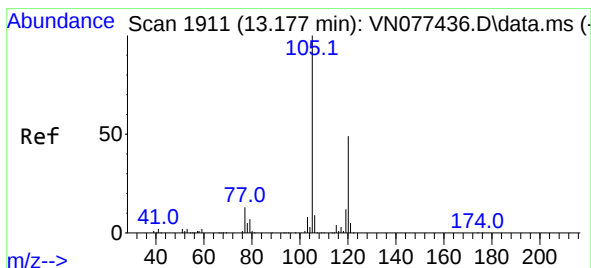
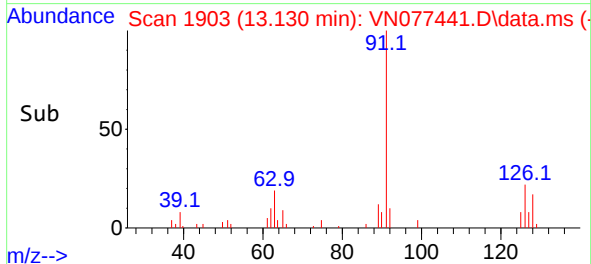
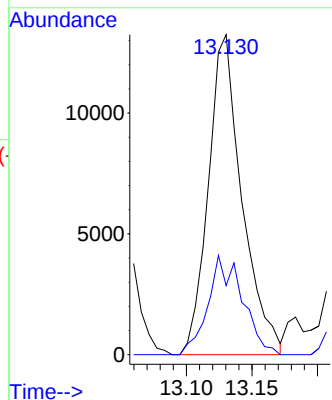
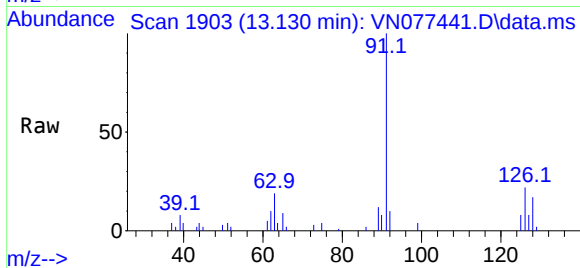
VSTDICC001

Tgt Ion: 91 Resp: 23659

Ion Ratio Lower Upper

91 100

126 31.6 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 1.000 ug/l

RT: 13.183 min Scan# 1912

Delta R.T. 0.006 min

Lab File: VN077441.D

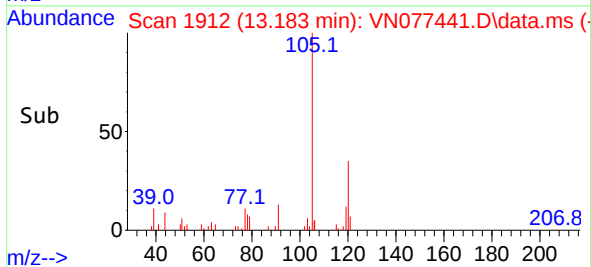
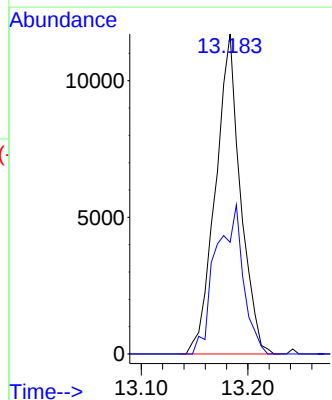
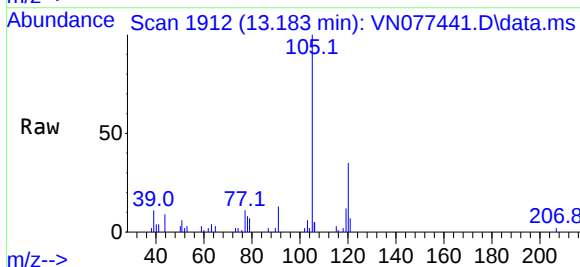
Acq: 24 Apr 2023 15:26

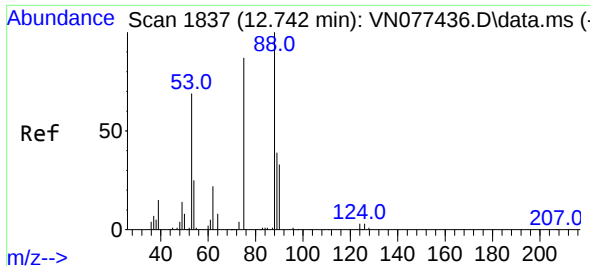
Tgt Ion:105 Resp: 19038

Ion Ratio Lower Upper

105 100

120 51.4 24.1 72.3

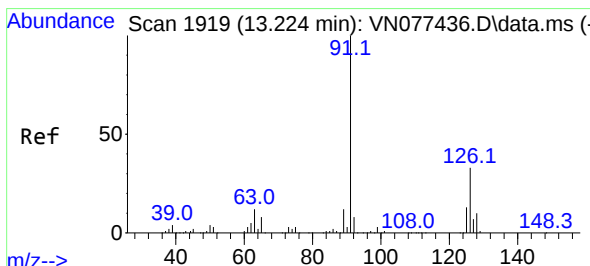
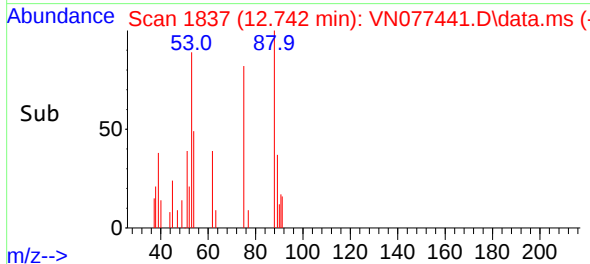
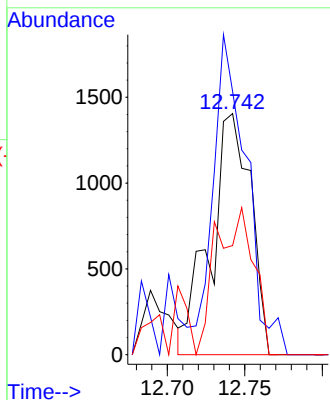
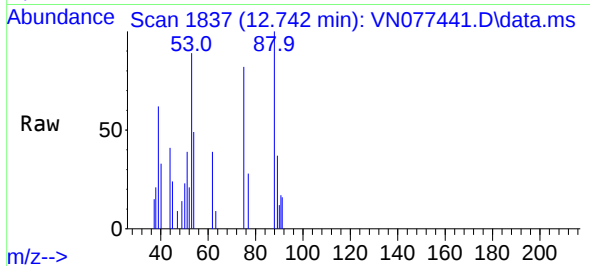




#81  
trans-1,4-Dichloro-2-butene  
Concen: 1.140 ug/l  
RT: 12.742 min Scan# 1837  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

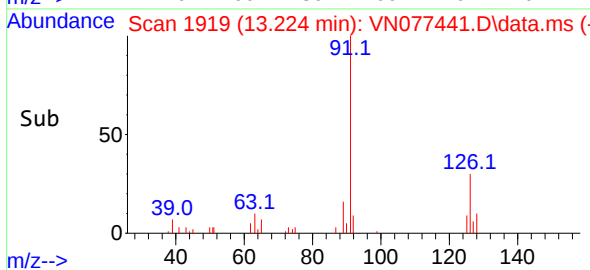
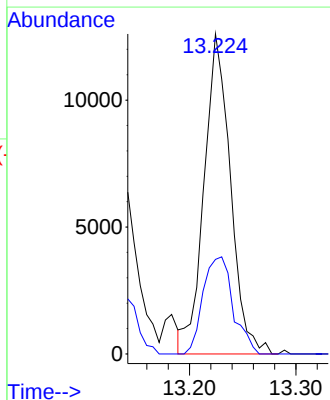
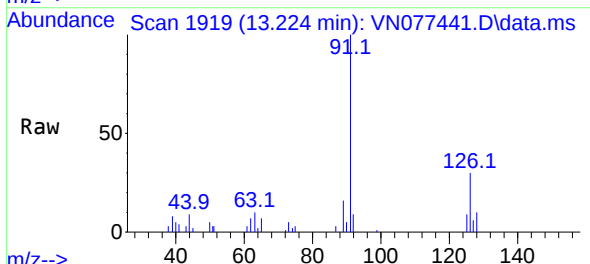
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

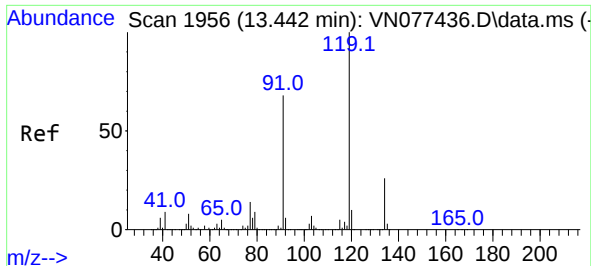
Tgt Ion: 75 Resp: 2523  
Ion Ratio Lower Upper  
75 100  
53 110.9 67.4 101.2#  
89 57.3 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 1.330 ug/l  
RT: 13.224 min Scan# 1919  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 91 Resp: 21724  
Ion Ratio Lower Upper  
91 100  
126 34.6 16.7 50.0

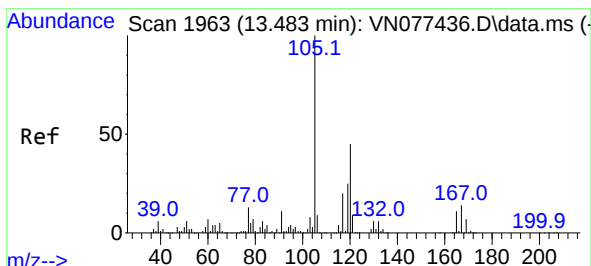
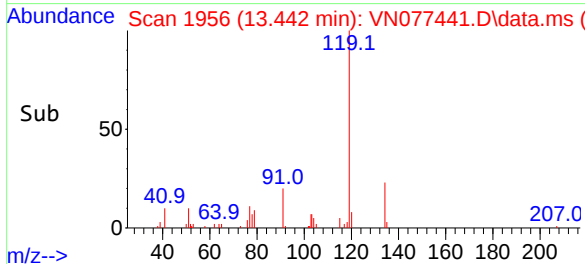
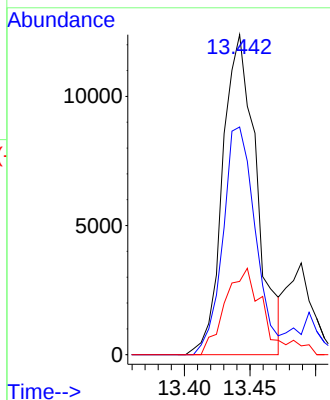
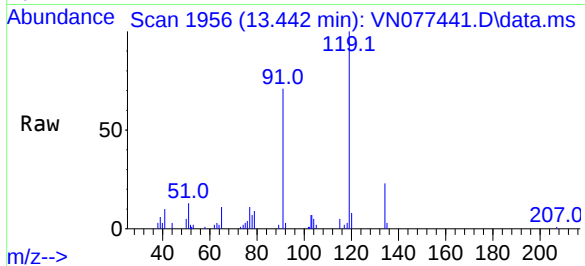




#83  
tert-Butylbenzene  
Concen: 1.201 ug/l  
RT: 13.442 min Scan# 1956  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

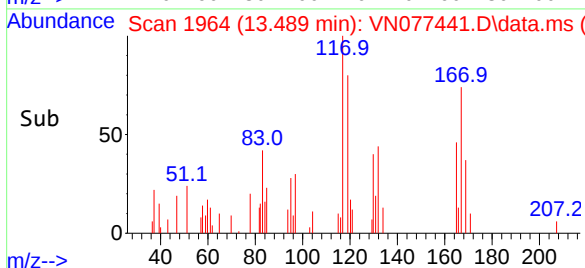
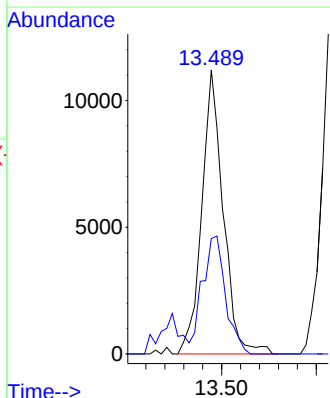
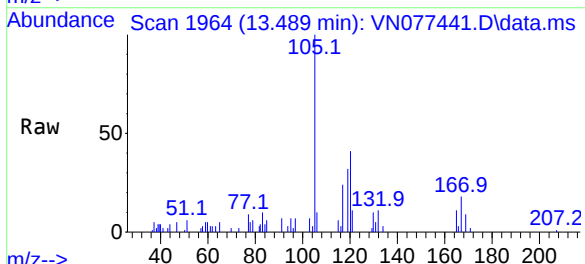
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

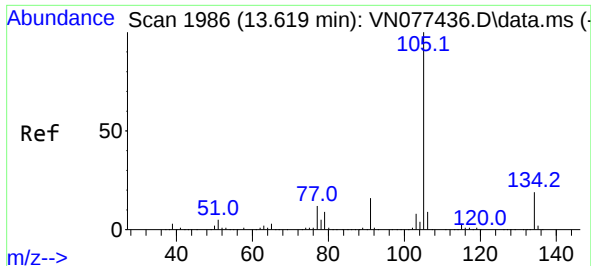
Tgt Ion:119 Resp: 22213  
Ion Ratio Lower Upper  
119 100  
91 69.6 33.9 101.7  
134 31.1 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 0.989 ug/l  
RT: 13.489 min Scan# 1964  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion:105 Resp: 17590  
Ion Ratio Lower Upper  
105 100  
120 44.7 22.0 66.0

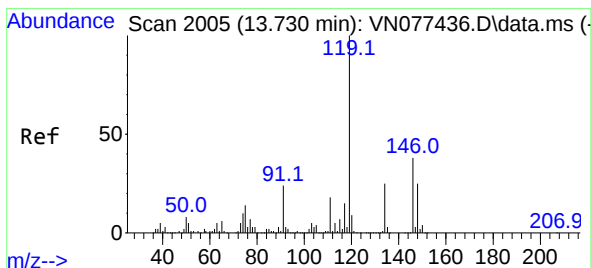
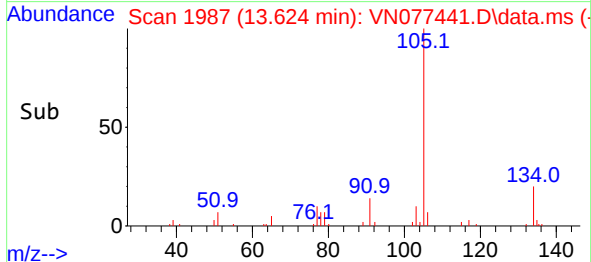
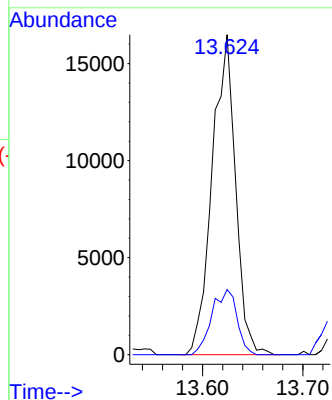
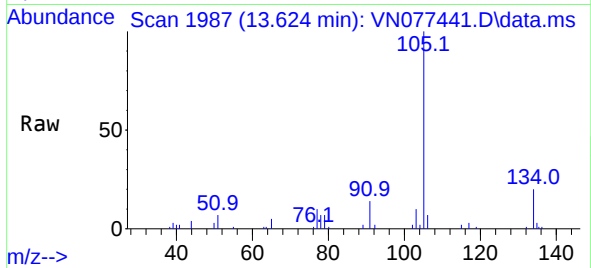




#85  
 sec-Butylbenzene  
 Concen: 1.053 ug/l  
 RT: 13.624 min Scan# 1986  
 Delta R.T. 0.006 min  
 Lab File: VN077441.D  
 Acq: 24 Apr 2023 15:26

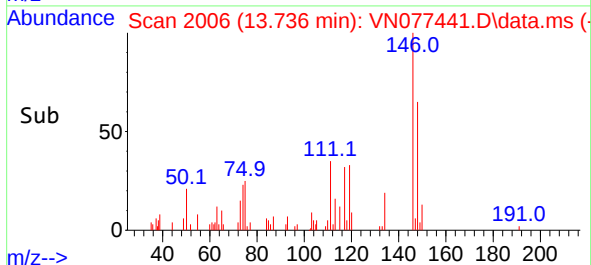
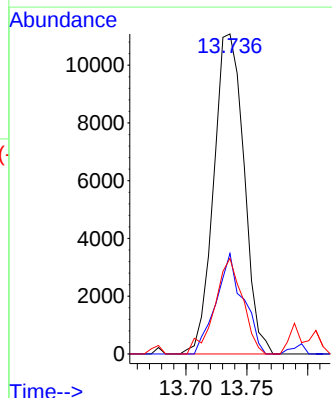
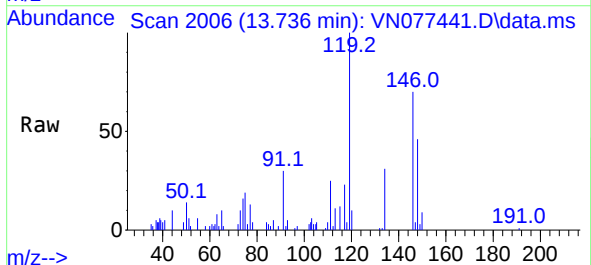
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

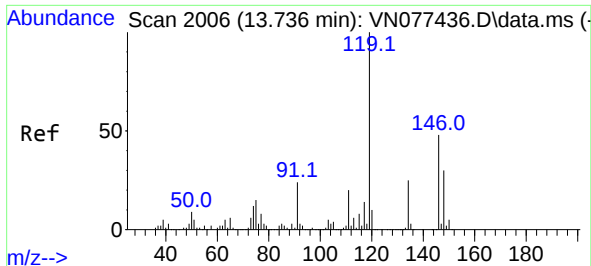
Tgt Ion:105 Resp: 26733  
 Ion Ratio Lower Upper  
 105 100  
 134 21.8 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 0.979 ug/l  
 RT: 13.736 min Scan# 2006  
 Delta R.T. 0.006 min  
 Lab File: VN077441.D  
 Acq: 24 Apr 2023 15:26

Tgt Ion:119 Resp: 19115  
 Ion Ratio Lower Upper  
 119 100  
 134 28.2 12.6 37.8  
 91 27.6 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 1.448 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

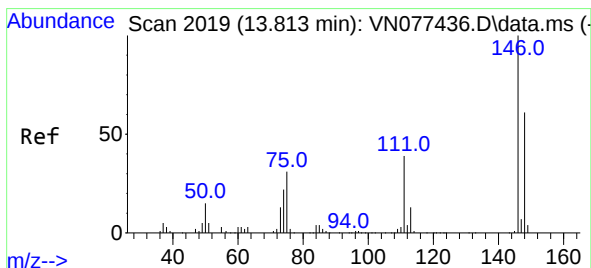
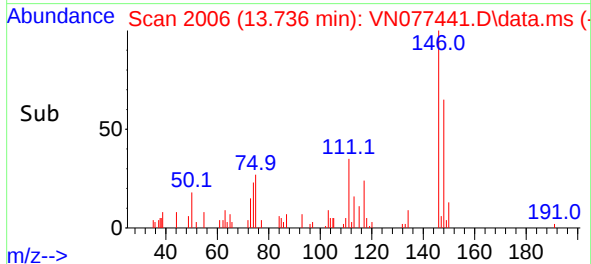
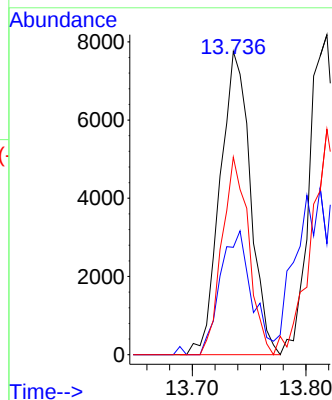
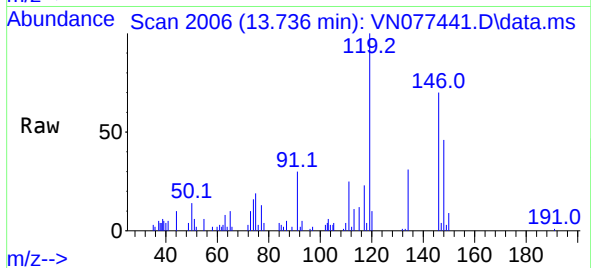
Tgt Ion:146 Resp: 14392

Ion Ratio Lower Upper

146 100

111 42.5 22.1 66.3

148 57.3 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 1.457 ug/l

RT: 13.819 min Scan# 2020

Delta R.T. 0.006 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

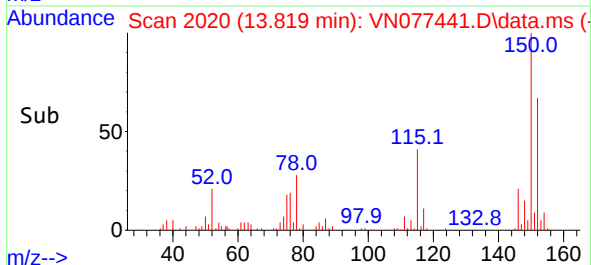
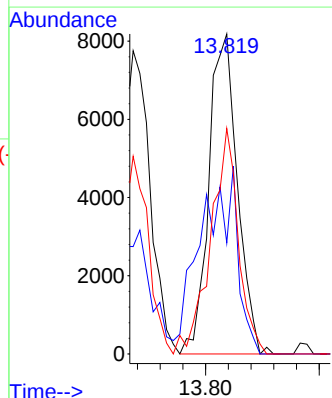
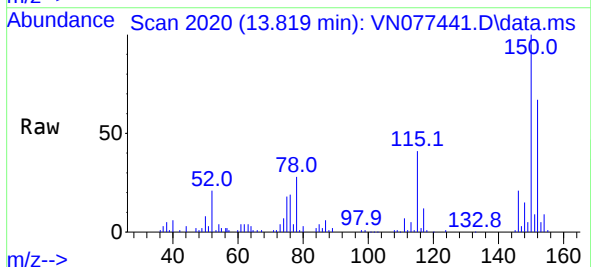
Tgt Ion:146 Resp: 14291

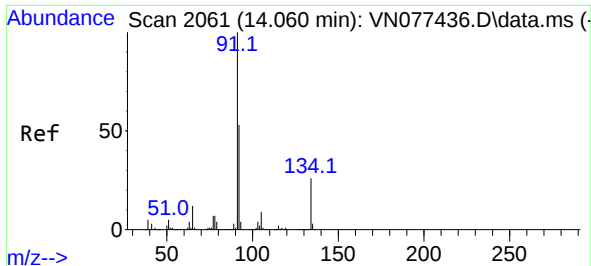
Ion Ratio Lower Upper

146 100

111 31.7 20.6 61.8

148 68.1 31.6 94.8

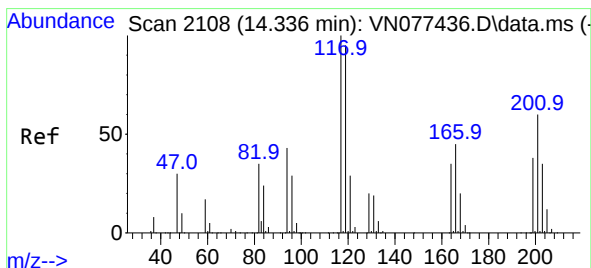
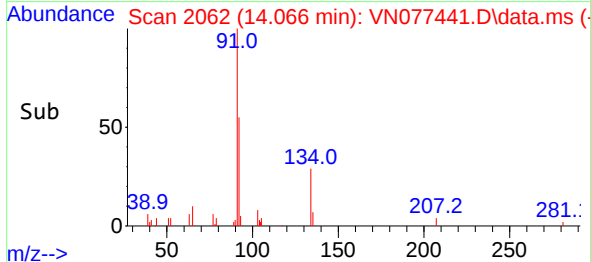
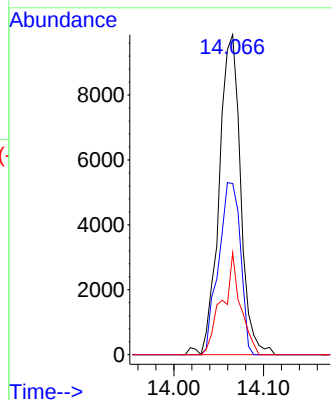
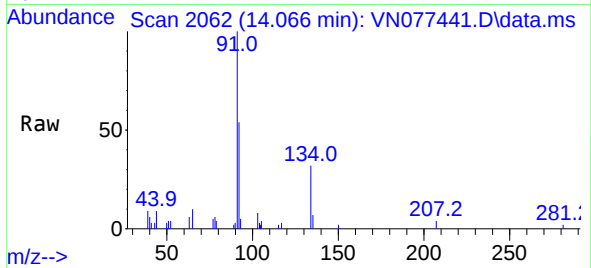




#89  
n-Butylbenzene  
Concen: 1.085 ug/l  
RT: 14.066 min Scan# 2061  
Delta R.T. 0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

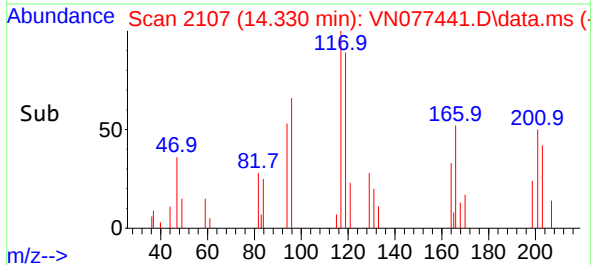
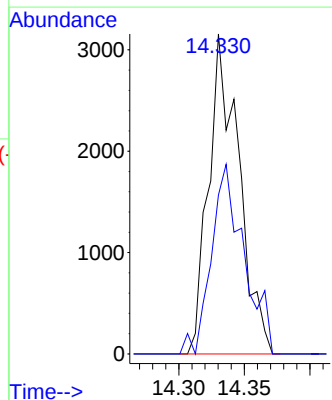
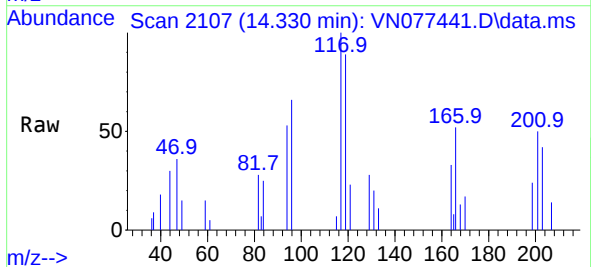
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

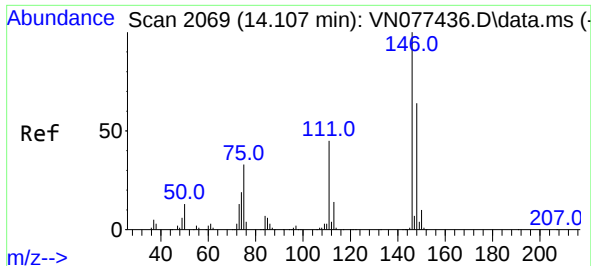
Tgt Ion: 91 Resp: 16408  
Ion Ratio Lower Upper  
91 100  
92 54.6 26.4 79.0  
134 27.2 12.6 37.6



#90  
Hexachloroethane  
Concen: 1.172 ug/l  
RT: 14.330 min Scan# 2107  
Delta R.T. -0.006 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Tgt Ion: 117 Resp: 5057  
Ion Ratio Lower Upper  
117 100  
201 63.7 29.3 88.0





#91

1,2-Dichlorobenzene

Concen: 1.303 ug/l

RT: 14.113 min Scan# 2069

Delta R.T. 0.006 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

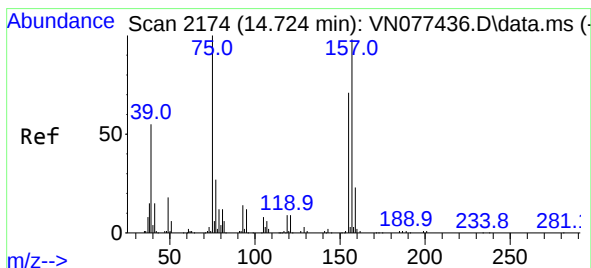
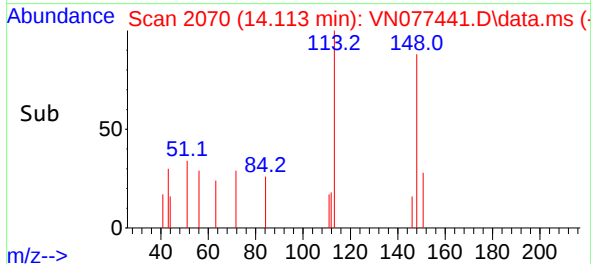
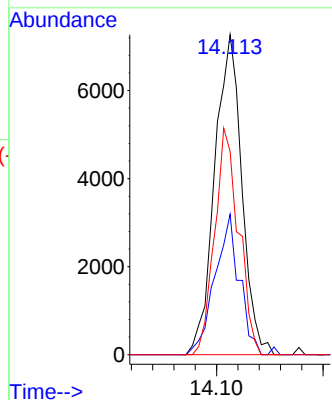
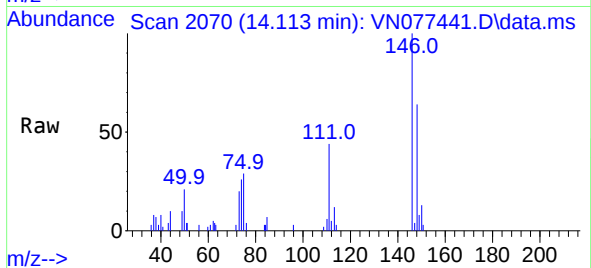
Tgt Ion:146 Resp: 12847

Ion Ratio Lower Upper

146 100

111 39.7 22.0 66.0

148 62.7 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.771 ug/l

RT: 14.724 min Scan# 2174

Delta R.T. -0.000 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

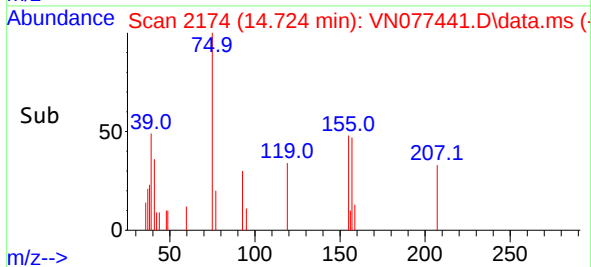
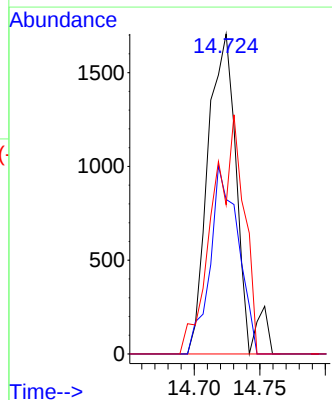
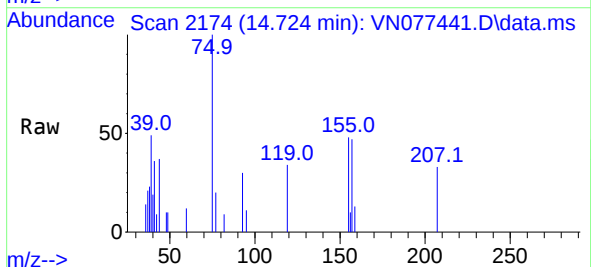
Tgt Ion: 75 Resp: 2639

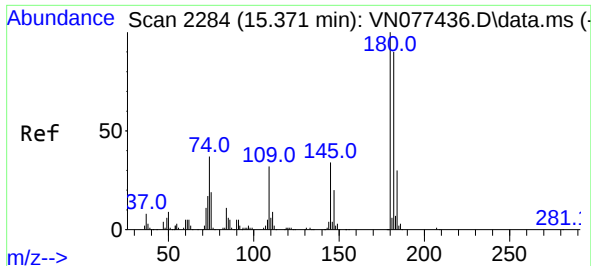
Ion Ratio Lower Upper

75 100

155 56.5 39.1 117.2

157 79.7 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 2.339 ug/l

RT: 15.365 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

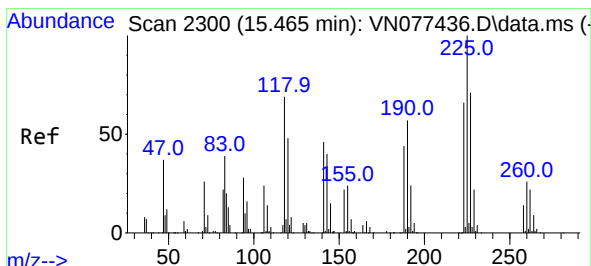
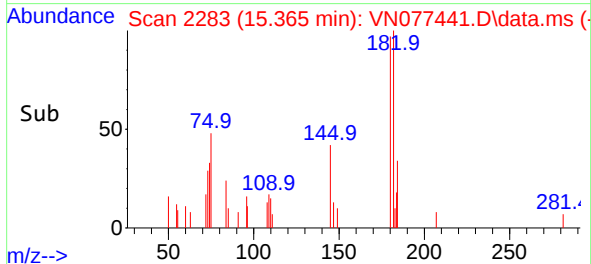
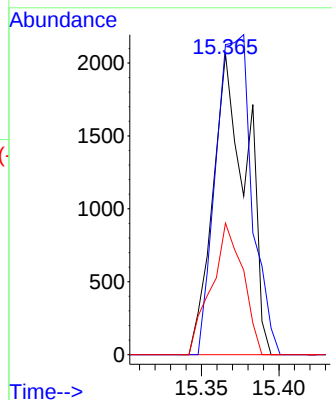
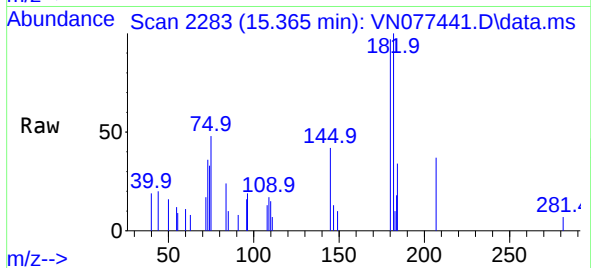
Tgt Ion:180 Resp: 3140

Ion Ratio Lower Upper

180 100

182 112.4 46.1 138.2

145 40.6 16.6 49.8



#94

Hexachlorobutadiene

Concen: 1.603 ug/l

RT: 15.460 min Scan# 2299

Delta R.T. -0.005 min

Lab File: VN077441.D

Acq: 24 Apr 2023 15:26

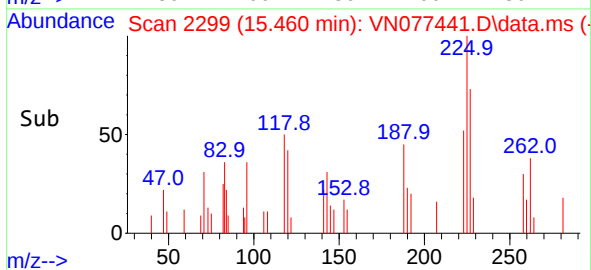
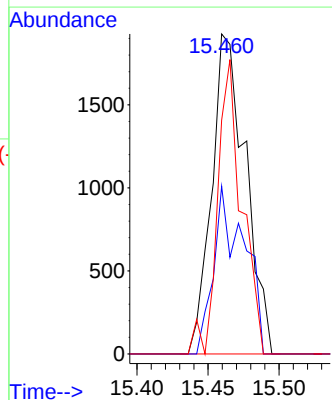
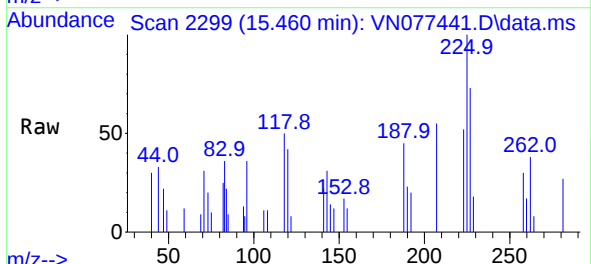
Tgt Ion:225 Resp: 3193

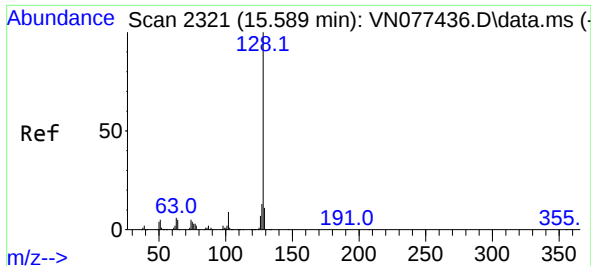
Ion Ratio Lower Upper

225 100

223 47.4 31.3 93.8

227 65.8 31.9 95.9

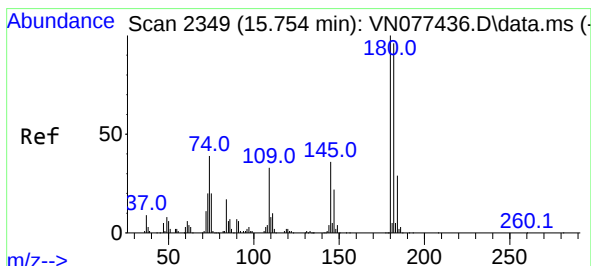
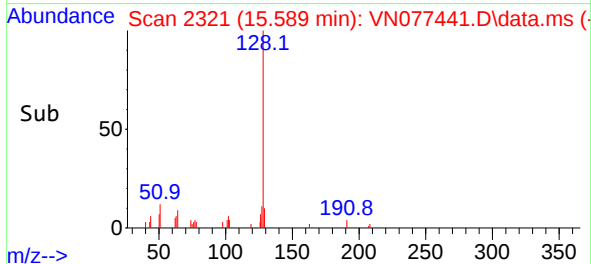
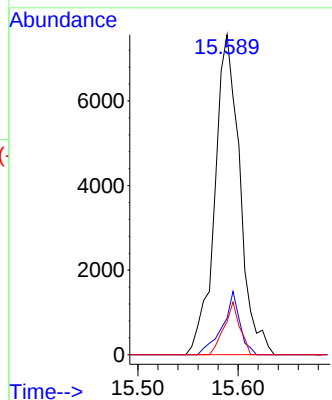
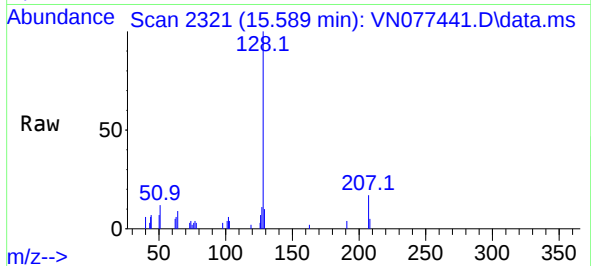




#95  
Naphthalene  
Concen: 2.877 ug/l  
RT: 15.589 min Scan# 2321  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 13124 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.6  | 10.0  | 15.0  |
| 129      | 10.2  | 8.7   | 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 2.410 ug/l  
RT: 15.754 min Scan# 2349  
Delta R.T. -0.000 min  
Lab File: VN077441.D  
Acq: 24 Apr 2023 15:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 3616  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 87.3  | 46.2  | 138.6 |
| 145      | 35.1  | 17.5  | 52.6  |

