

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040723\  
 Data File : VN077277.D  
 Acq On : 07 Apr 2023 14:20  
 Operator : JC\MD  
 Sample : VN0407WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0407WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/10/2023  
 Supervised By : Semsettin Yesilyurt 04/10/2023

Quant Time: Apr 08 05:19:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N040723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Apr 07 13:04:49 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Bromochloromethane        | 7.819          | 128  | 54109      | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.107          | 114  | 381754     | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.866         | 117  | 427516     | 30.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.584          | 65   | 135327     | 29.489  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 98.300% |        |          |
| 60) 4-Bromofluorobenzene     | 12.854         | 95   | 216275     | 29.257  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 97.533% |        |          |
| 63) Toluene-d8               | 10.572         | 98   | 444481     | 29.575  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 98.567% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.137          | 85   | 85595      | 16.640  | ug/l   | 94       |
| 3) Chloromethane             | 2.372          | 50   | 119100     | 17.428  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.525          | 62   | 163221     | 16.674  | ug/l   | 97       |
| 5) Bromomethane              | 2.960          | 94   | 129748     | 17.590  | ug/l   | 98       |
| 6) Chloroethane              | 3.125          | 64   | 110911     | 16.904  | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 3.502          | 101  | 151178     | 16.587  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.966          | 74   | 72705      | 18.715  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.378          | 101  | 99112      | 17.390  | ug/l   | 85       |
| 10) 1,1-Dichloroethene       | 4.349          | 96   | 93584m     | 16.414  | ug/l   |          |
| 11) Methyl Iodide            | 4.601          | 142  | 114049     | 17.706  | ug/l   | 99       |
| 12) Methyl Acetate           | 5.043          | 43   | 160155     | 18.854  | ug/l   | 98       |
| 13) Acrolein                 | 4.190          | 56   | 101553     | 96.313  | ug/l   | 96       |
| 14) Acrylonitrile            | 5.725          | 53   | 268368     | 92.425  | ug/l   | 91       |
| 15) Acetone                  | 4.437          | 58   | 87707      | 83.261  | ug/l   | 92       |
| 16) Carbon Disulfide         | 4.725          | 76   | 250284     | 16.631  | ug/l # | 93       |
| 17) Allyl chloride           | 5.037          | 41   | 124526     | 16.966  | ug/l   | 98       |
| 18) Methylene Chloride       | 5.290          | 84   | 119191     | 18.002  | ug/l   | 97       |
| 19) trans-1,2-Dichloroethene | 5.796          | 96   | 106768     | 17.222  | ug/l   | 99       |
| 20) Diisopropyl ether        | 6.678          | 45   | 311232     | 17.792  | ug/l   | 95       |
| 21) 1,1-Dichloroethane       | 6.578          | 63   | 196016     | 17.679  | ug/l   | 95       |
| 22) cis-1,2-Dichloroethene   | 7.495          | 96   | 135272     | 17.899  | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 5.525          | 59   | 121674     | 94.240  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.801          | 73   | 381539     | 18.588  | ug/l # | 84       |
| 25) Chloroform               | 7.972          | 83   | 214973     | 17.890  | ug/l   | 100      |
| 26) Cyclohexane              | 8.260          | 56   | 160600     | 16.669  | ug/l # | 99       |
| 29) 1,1-Dichloropropene      | 8.378          | 75   | 150236     | 18.167  | ug/l   | 99       |
| 30) 2-Butanone               | 7.490          | 43   | 363849     | 93.039  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.490          | 77   | 178996     | 17.632  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 8.172          | 97   | 183110     | 17.992  | ug/l   | 100      |
| 33) Carbon Tetrachloride     | 8.366          | 117  | 155481     | 17.900  | ug/l   | 92       |
| 34) Benzene                  | 8.607          | 78   | 489376     | 19.125  | ug/l   | 98       |
| 35) Methacrylonitrile        | 7.778          | 41   | 71325      | 19.361  | ug/l   | 93       |
| 36) 1,2-Dichloroethane       | 8.672          | 62   | 164708     | 20.531  | ug/l   | 99       |
| 37) Trichloroethene          | 9.354          | 130  | 115442     | 18.445  | ug/l   | 92       |
| 38) Methylcyclohexane        | 9.601          | 83   | 206640     | 18.424  | ug/l   | 98       |
| 39) 1,2-Dichloropropane      | 9.625          | 63   | 119577     | 18.825  | ug/l   | 95       |
| 40) Dibromomethane           | 9.713          | 93   | 88120      | 19.254  | ug/l   | 98       |
| 41) Bromodichloromethane     | 9.889          | 83   | 175415     | 19.221  | ug/l   | 97       |
| 42) Vinyl Acetate            | 6.607          | 43   | 1140777    | 100.790 | ug/l # | 100      |

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 Sample : VN0407WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0407WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/10/2023  
 Supervised By : Semsettin Yesilyurt 04/10/2023

Quant Time: Apr 08 05:19:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N040723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Apr 07 13:04:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.566  | 43   | 143715   | 19.863  | ug/l   | 98       |
| 44) Isopropyl Acetate         | 8.695  | 43   | 260384   | 20.100  | ug/l # | 100      |
| 45) 1,4-Dioxane               | 9.701  | 88   | 56621    | 414.429 | ug/l   | 95       |
| 46) Methyl methacrylate       | 9.684  | 41   | 113650   | 20.376  | ug/l   | 100      |
| 47) n-amyl Acetate            | 12.495 | 43   | 225330   | 19.904  | ug/l   | 98       |
| 48) t-1,3-Dichloropropene     | 10.836 | 75   | 196793   | 19.268  | ug/l   | 95       |
| 49) cis-1,3-Dichloropropene   | 10.313 | 75   | 209128   | 19.247  | ug/l   | 96       |
| 50) 1,1,2-Trichloroethane     | 11.019 | 97   | 133943   | 20.148  | ug/l   | 98       |
| 51) Ethyl methacrylate        | 10.878 | 69   | 211034   | 20.671  | ug/l   | 96       |
| 52) 1,3-Dichloropropane       | 11.166 | 76   | 223241   | 20.120  | ug/l   | 100      |
| 53) Dibromochloromethane      | 11.360 | 129  | 136956   | 19.547  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.472 | 107  | 132347   | 19.831  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether | 10.160 | 63   | 282134   | 89.510  | ug/l   | 98       |
| 56) Bromoform                 | 12.583 | 173  | 92896    | 19.737  | ug/l   | 100      |
| 58) 4-Methyl-2-Pentanone      | 10.448 | 43   | 793609   | 99.144  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.195 | 43   | 582930   | 94.215  | ug/l   | 99       |
| 61) Tetrachloroethene         | 11.107 | 164  | 90250    | 17.749  | ug/l   | 97       |
| 62) Toluene                   | 10.631 | 91   | 549970   | 18.437  | ug/l   | 100      |
| 64) Chlorobenzene             | 11.895 | 112  | 329804   | 18.199  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.966 | 131  | 128709   | 19.314  | ug/l   | 98       |
| 66) Ethyl Benzene             | 11.966 | 91   | 613134   | 18.554  | ug/l   | 97       |
| 67) m/p-Xylenes               | 12.072 | 106  | 481435   | 37.167  | ug/l   | 98       |
| 68) o-Xylene                  | 12.401 | 106  | 238988   | 18.442  | ug/l   | 100      |
| 69) Styrene                   | 12.413 | 104  | 391036   | 18.835  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.701 | 105  | 592532   | 18.017  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.942 | 83   | 198123   | 19.672  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane    | 12.995 | 75   | 161963m  | 23.658  | ug/l   |          |
| 73) Bromobenzene              | 12.983 | 156  | 127035   | 19.013  | ug/l   | 97       |
| 74) n-propylbenzene           | 13.042 | 91   | 658818   | 18.106  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.130 | 91   | 404803   | 18.570  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 490052   | 18.308  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.736 | 75   | 63376    | 18.175  | ug/l   | 96       |
| 78) 4-Chlorotoluene           | 13.224 | 91   | 385649   | 18.724  | ug/l   | 99       |
| 79) tert-butylbenzene         | 13.442 | 119  | 424206   | 18.210  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 13.483 | 105  | 483810   | 18.542  | ug/l   | 98       |
| 81) sec-Butylbenzene          | 13.619 | 105  | 603602   | 18.143  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.730 | 119  | 486547   | 18.254  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.736 | 146  | 232127   | 18.323  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.813 | 146  | 223983   | 18.223  | ug/l   | 100      |
| 85) n-Butylbenzene            | 14.060 | 91   | 390977   | 17.751  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.336 | 117  | 99830    | 17.607  | ug/l   | 99       |
| 87) 1,2-Dichlorobenzene       | 14.107 | 146  | 231597   | 18.657  | ug/l   | 100      |
| 88) 1,2-Dibromo-3-Chloropr... | 14.724 | 75   | 35916    | 18.610  | ug/l   | 94       |
| 89) 1,2,4-Trichlorobenzene    | 15.371 | 180  | 83832    | 17.169  | ug/l   | 99       |
| 90) Hexachlorobutadiene       | 15.465 | 225  | 47137    | 18.823  | ug/l   | 97       |
| 91) Naphthalene               | 15.589 | 128  | 328781   | 17.626  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.760 | 180  | 79097    | 16.602  | ug/l   | 98       |

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

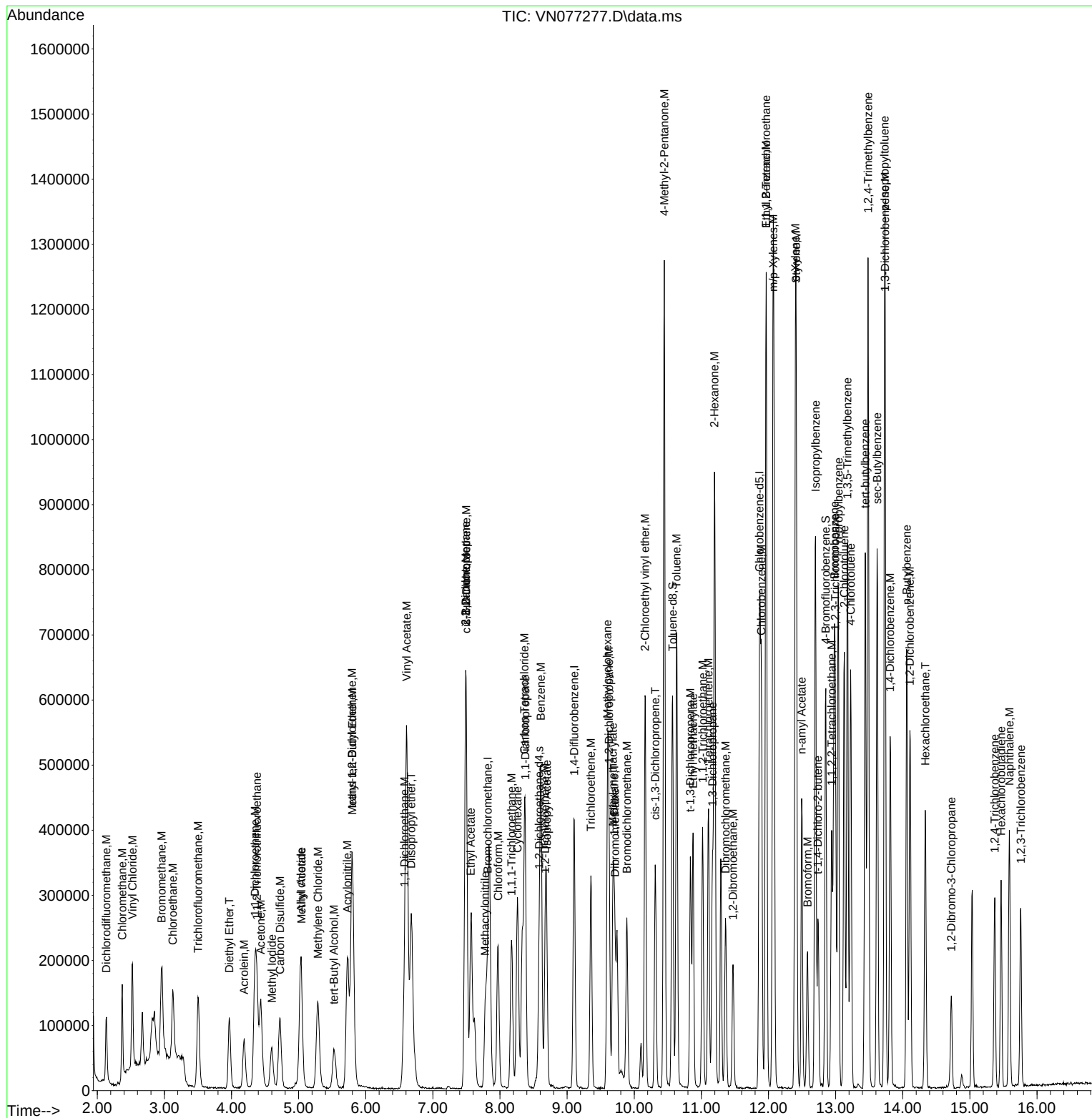
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040723\  
 Data File : VN077277.D  
 Acq On : 07 Apr 2023 14:20  
 Operator : JC\MD  
 Sample : VN0407WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

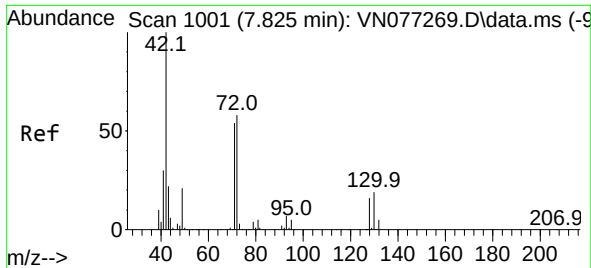
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0407WBSD01

### Manual Integrations APPROVED

Reviewed By : John Carlone 04/10/2023  
 Supervised By : Semsettin Yesilyurt 04/10/2023

Quant Time: Apr 08 05:19:20 2023  
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Apr 07 13:04:49 2023  
 Response via : Initial Calibration





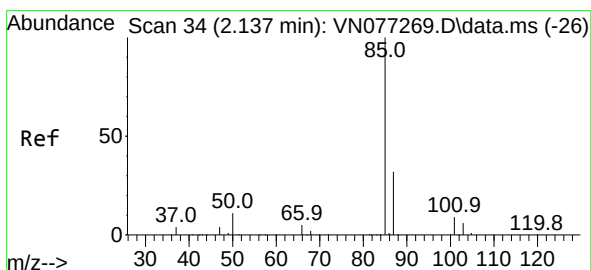
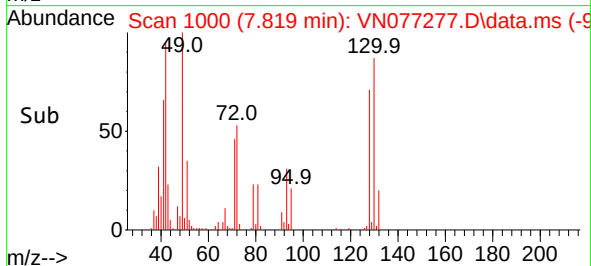
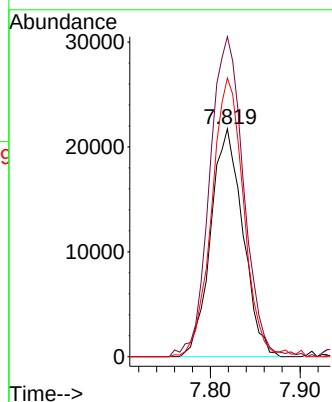
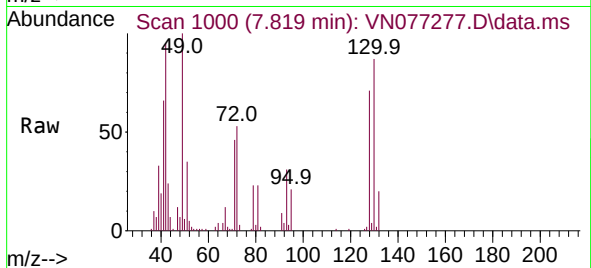
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.819 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

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ClientSampleId :  
VN0407WBSD01

Tgt Ion:128 Resp: 54109  
Ion Ratio Lower Upper  
128 100  
49 147.4 0.0 379.5  
130 120.5 0.0 322.8

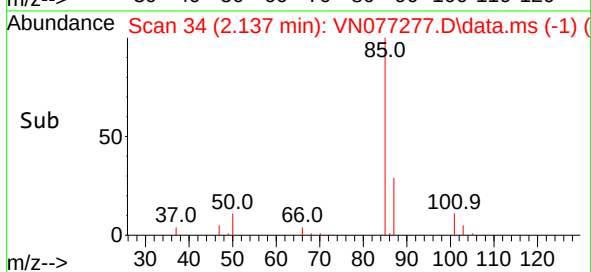
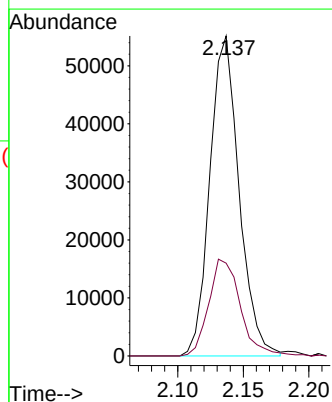
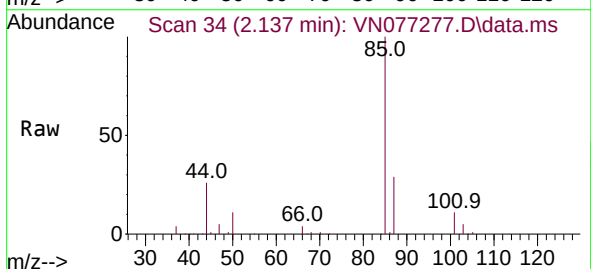
Manual Integrations  
APPROVED

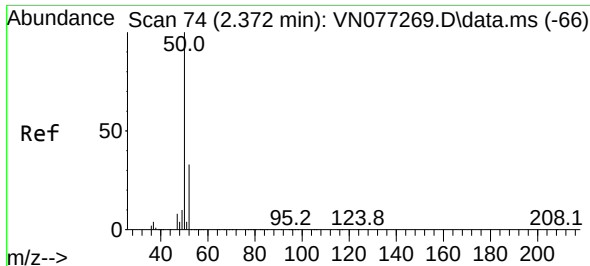
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#2  
Dichlorodifluoromethane  
Concen: 16.640 ug/l  
RT: 2.137 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

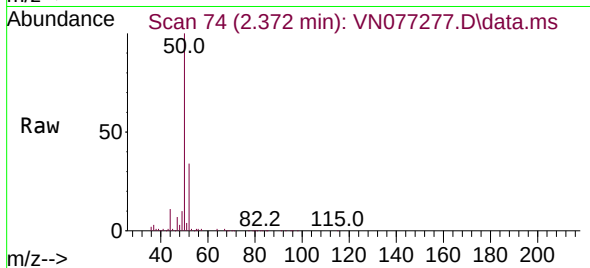
Tgt Ion: 85 Resp: 85595  
Ion Ratio Lower Upper  
85 100  
87 29.0 16.2 48.6





#3  
Chloromethane  
Concen: 17.428 ug/l  
RT: 2.372 min Scan# 74  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

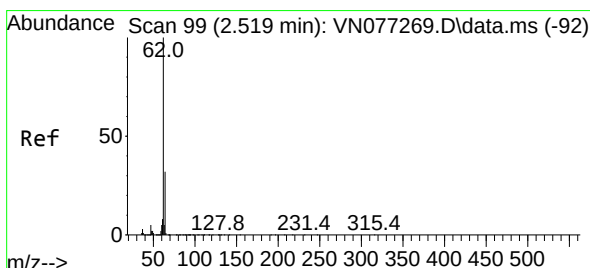
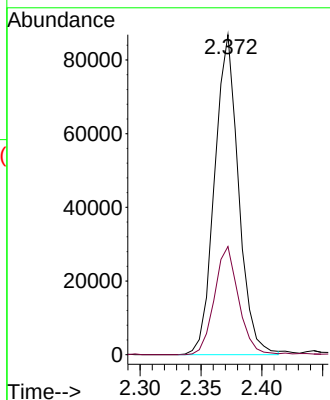
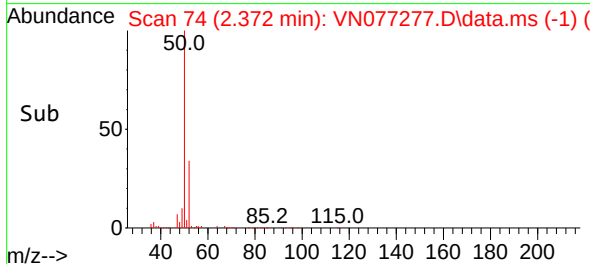
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



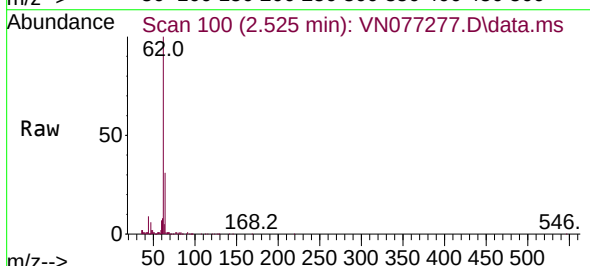
Tgt Ion: 50 Resp: 119100  
Ion Ratio Lower Upper  
50 100  
52 33.8 26.4 39.6

Manual Integrations  
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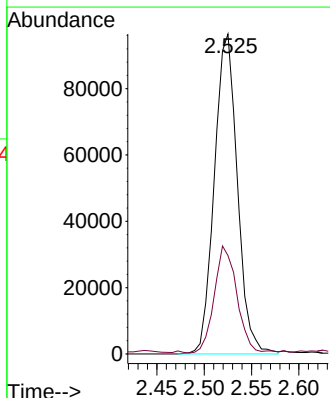
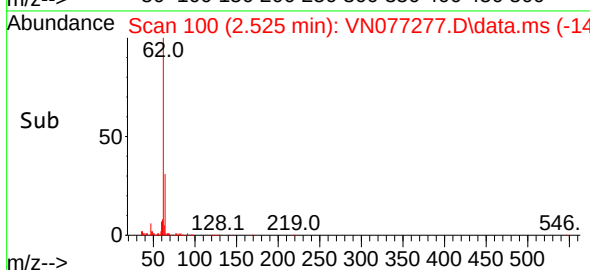
Reviewed By :John Carlone 04/10/2023  
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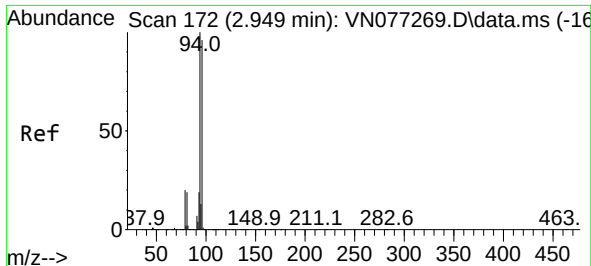


#4  
Vinyl Chloride  
Concen: 16.674 ug/l  
RT: 2.525 min Scan# 100  
Delta R.T. 0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



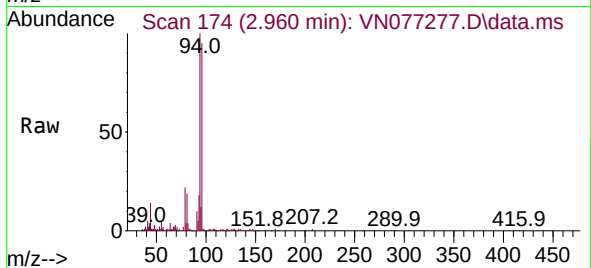
Tgt Ion: 62 Resp: 163221  
Ion Ratio Lower Upper  
62 100  
64 30.1 25.4 38.0





#5  
Bromomethane  
Concen: 17.590 ug/l  
RT: 2.960 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

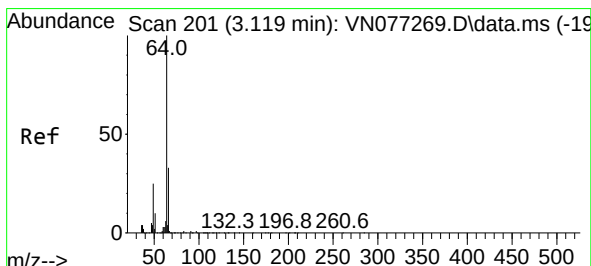
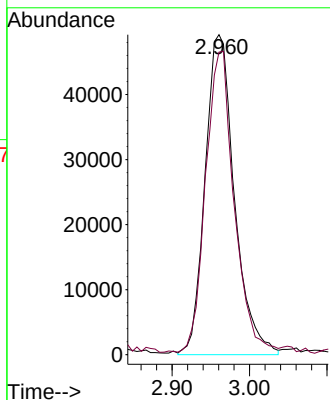
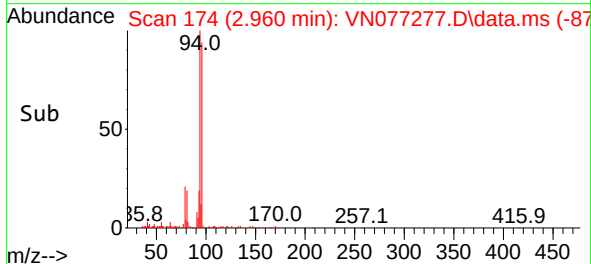
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion: 94 Resp: 129748  
Ion Ratio Lower Upper  
94 100  
96 94.2 77.0 115.6

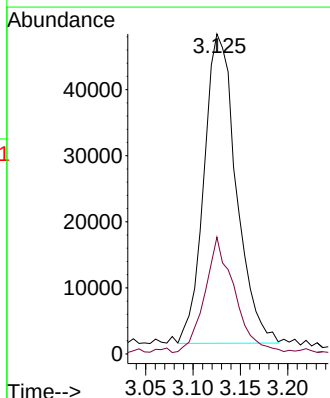
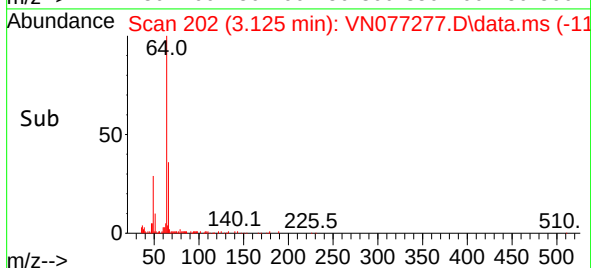
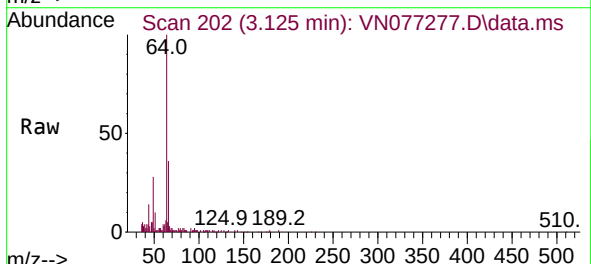
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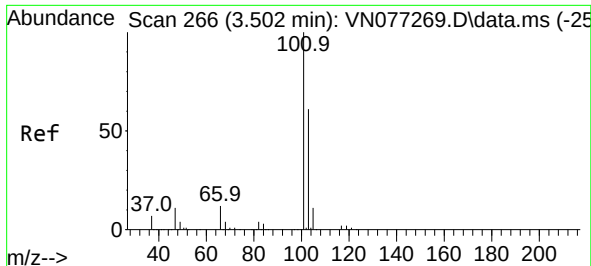
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#6  
Chloroethane  
Concen: 16.904 ug/l  
RT: 3.125 min Scan# 202  
Delta R.T. 0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

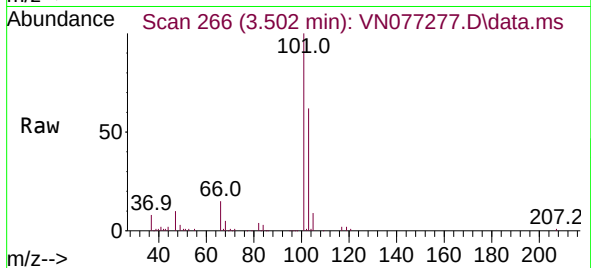
Tgt Ion: 64 Resp: 110911  
Ion Ratio Lower Upper  
64 100  
66 37.0 25.7 38.5





#7  
Trichlorofluoromethane  
Concen: 16.587 ug/l  
RT: 3.502 min Scan# 266  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

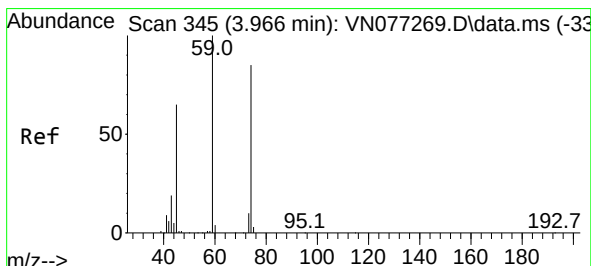
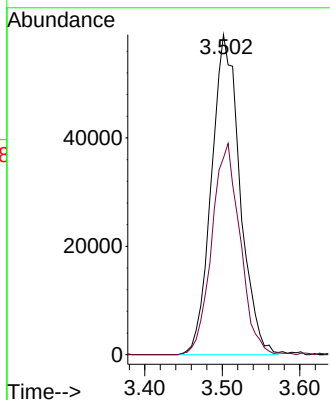
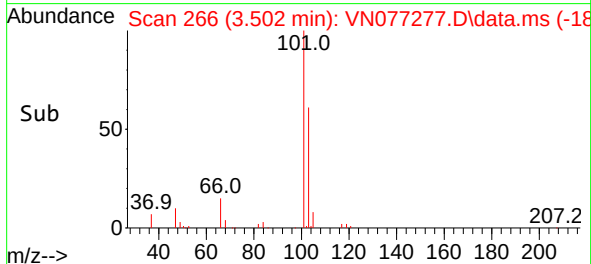
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion:101 Resp: 151178  
Ion Ratio Lower Upper  
101 100  
103 61.5 48.9 73.3

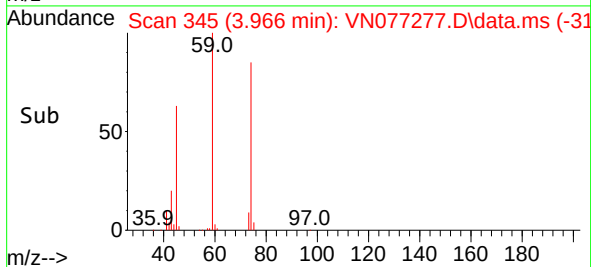
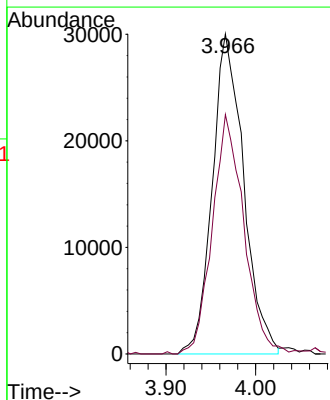
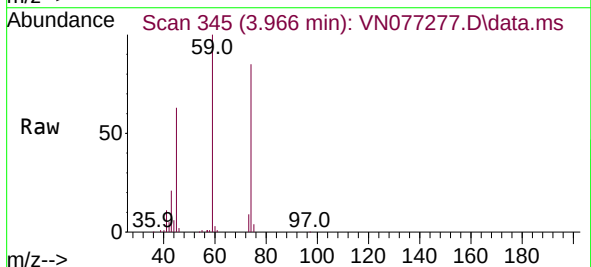
Manual Integrations  
APPROVED

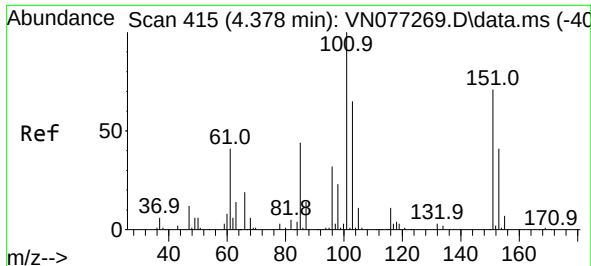
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#8  
Diethyl Ether  
Concen: 18.715 ug/l  
RT: 3.966 min Scan# 345  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Tgt Ion: 74 Resp: 72705  
Ion Ratio Lower Upper  
74 100  
45 75.0 14.8 133.6





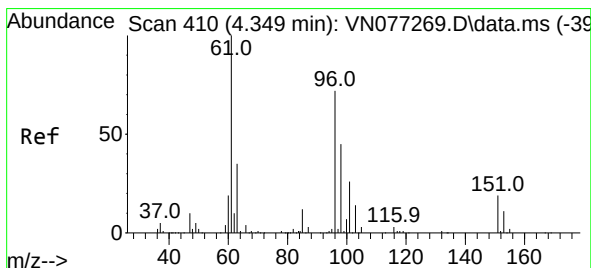
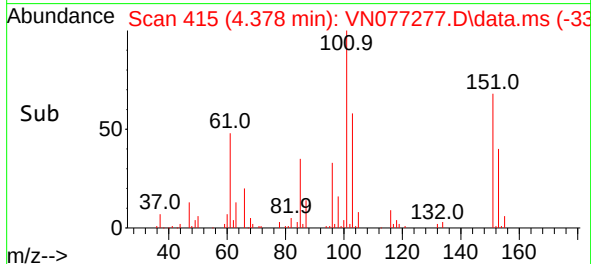
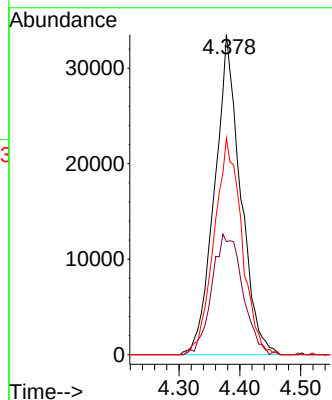
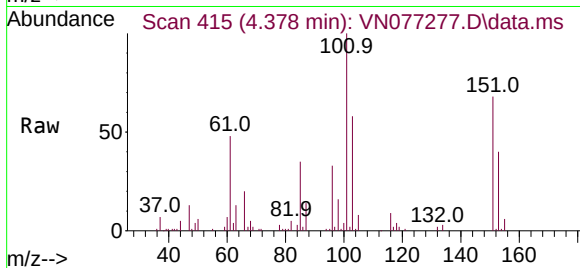
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 17.390 ug/l  
RT: 4.378 min Scan# 415  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01

Tgt Ion:101 Resp: 9911  
Ion Ratio Lower Upper  
101 100  
85 21.7 0.0 89.6  
151 72.3 0.0 141.6

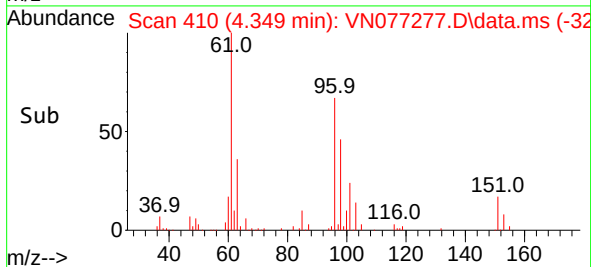
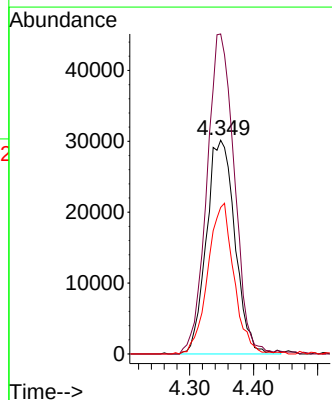
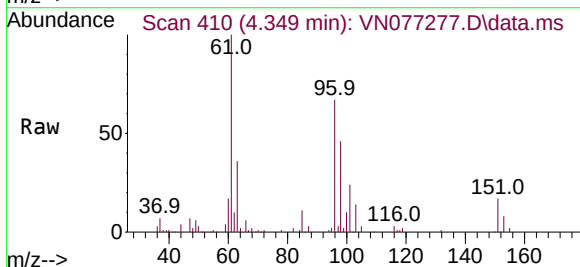
Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

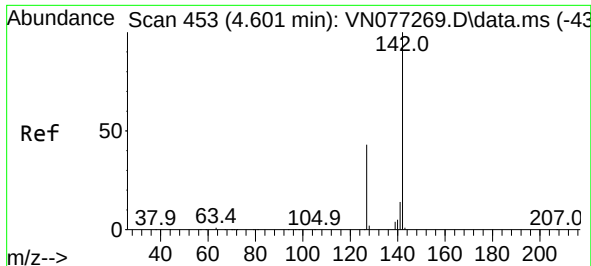


#10  
1,1-Dichloroethene  
Concen: 16.414 ug/l m  
RT: 4.349 min Scan# 410  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Tgt Ion: 96 Resp: 93584  
Ion Ratio Lower Upper  
96 100  
61 149.6 110.7 166.1  
98 68.5 49.6 74.4

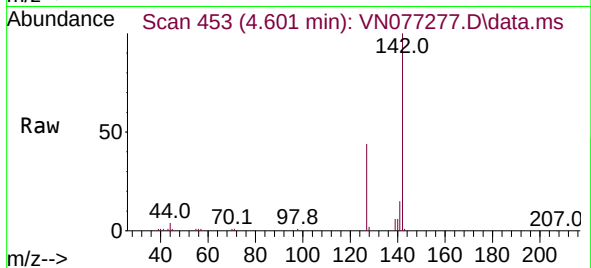






#11  
Methyl Iodide  
Concen: 17.706 ug/l  
RT: 4.601 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

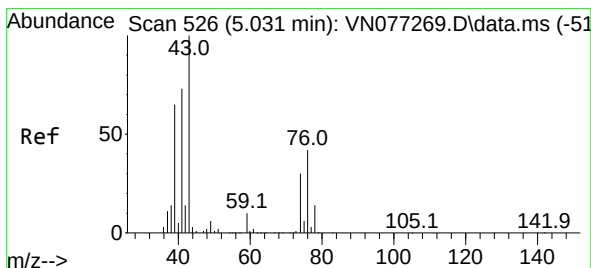
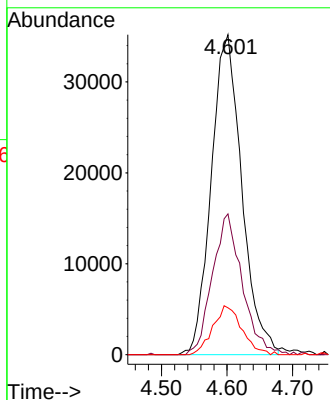
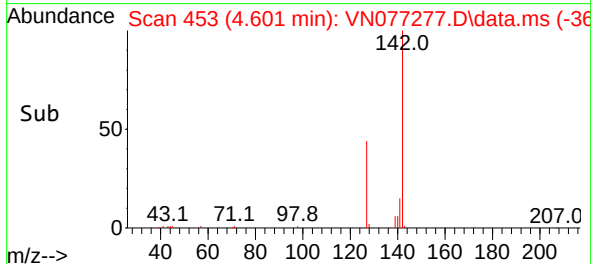
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion:142 Resp: 114049  
Ion Ratio Lower Upper  
142 100  
127 43.6 21.3 63.7  
141 13.9 7.0 20.9

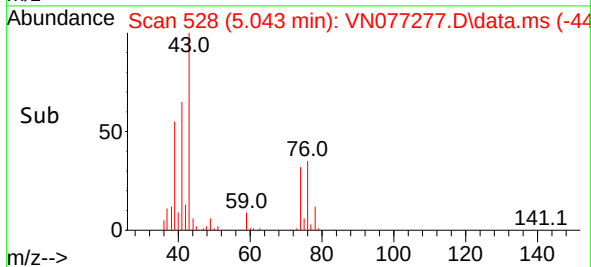
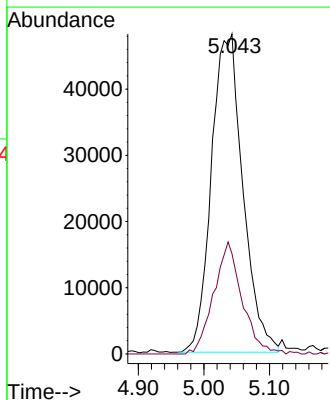
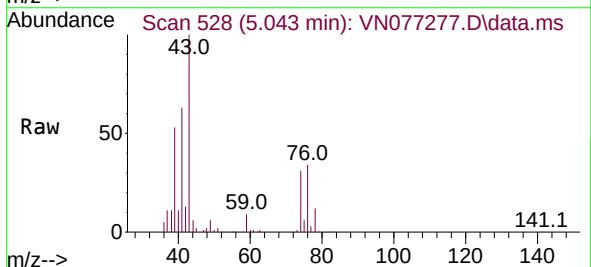
Manual Integrations  
APPROVED

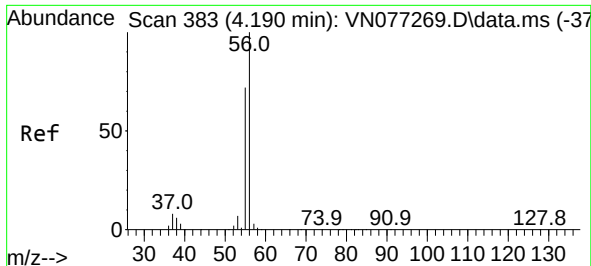
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#12  
Methyl Acetate  
Concen: 18.854 ug/l  
RT: 5.043 min Scan# 528  
Delta R.T. 0.012 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

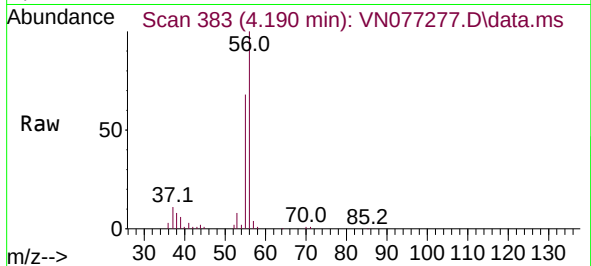
Tgt Ion: 43 Resp: 160155  
Ion Ratio Lower Upper  
43 100  
74 31.3 24.2 36.2





#13  
Acrolein  
Concen: 96.313 ug/l  
RT: 4.190 min Scan# 383  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

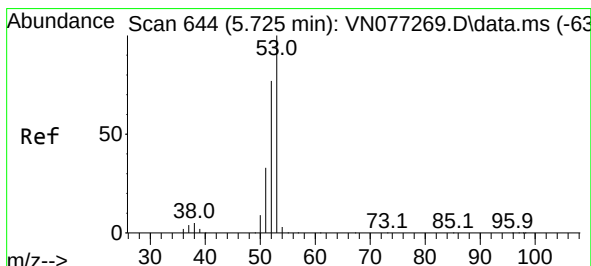
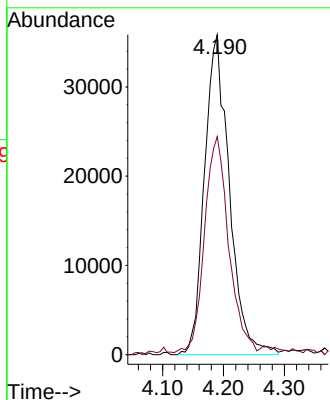
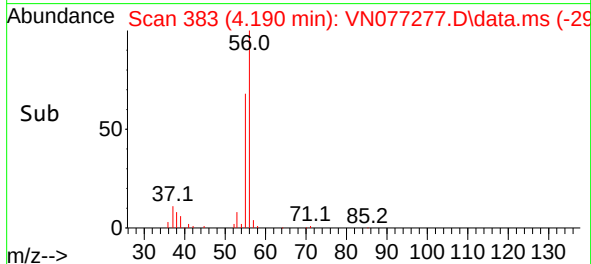
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



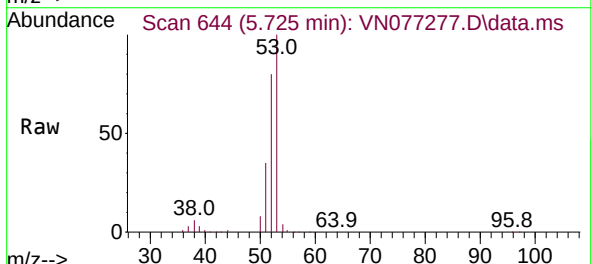
Tgt Ion: 56 Resp: 10155  
Ion Ratio Lower Upper  
56 100  
55 65.7 55.2 82.8

Manual Integrations  
APPROVED

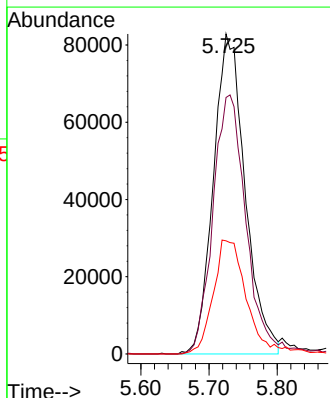
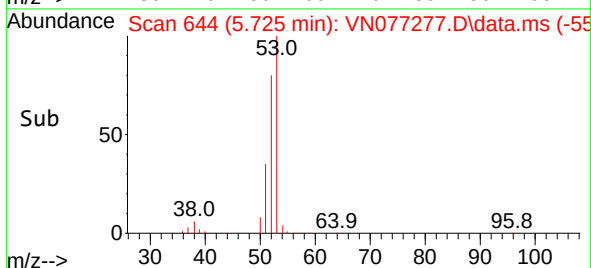
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

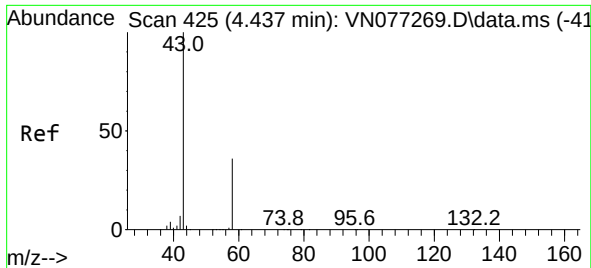


#14  
Acrylonitrile  
Concen: 92.425 ug/l  
RT: 5.725 min Scan# 644  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



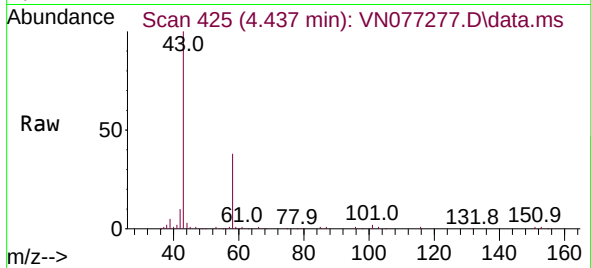
Tgt Ion: 53 Resp: 268368  
Ion Ratio Lower Upper  
53 100  
52 83.0 41.0 123.0  
51 20.1 17.7 53.1





#15  
Acetone  
Concen: 83.261 ug/l  
RT: 4.437 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

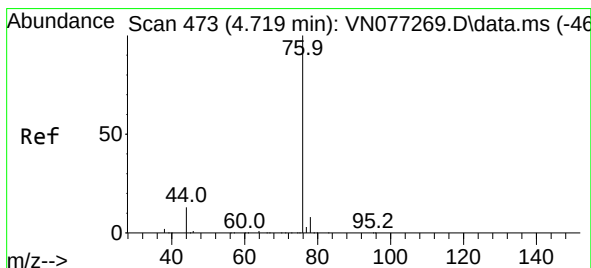
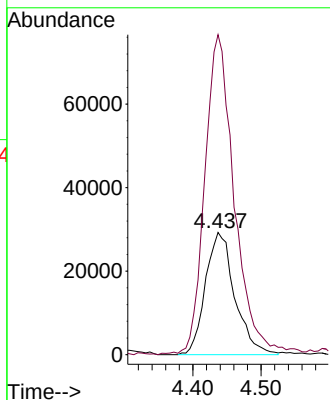
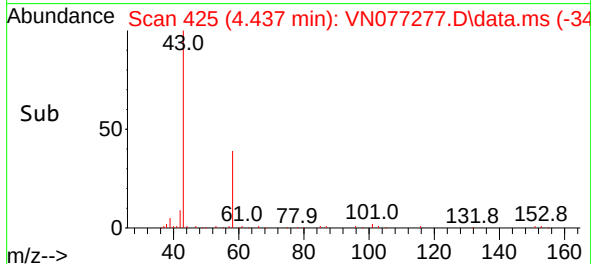
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



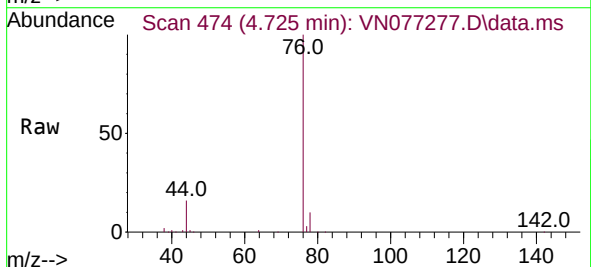
Tgt Ion: 58 Resp: 8770  
Ion Ratio Lower Upper  
58 100  
43 260.8 220.9 331.3

Manual Integrations  
APPROVED

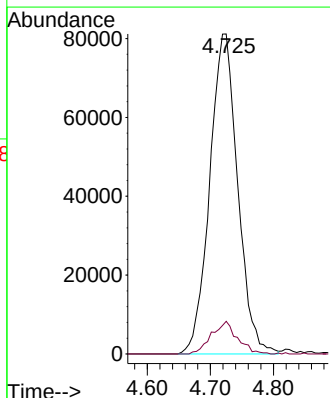
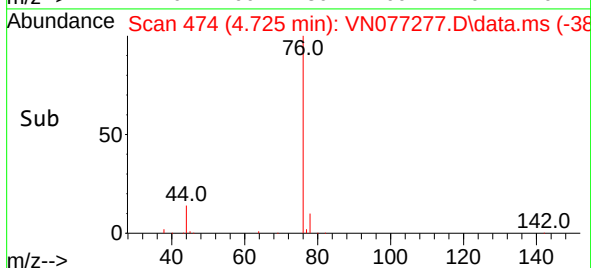
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

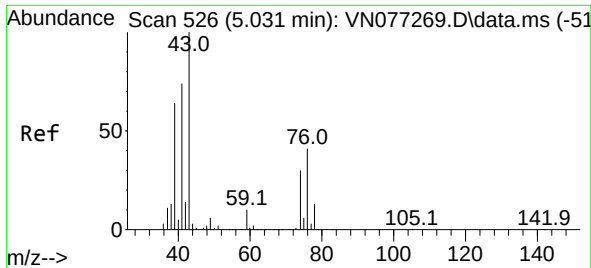


#16  
Carbon Disulfide  
Concen: 16.631 ug/l  
RT: 4.725 min Scan# 474  
Delta R.T. 0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



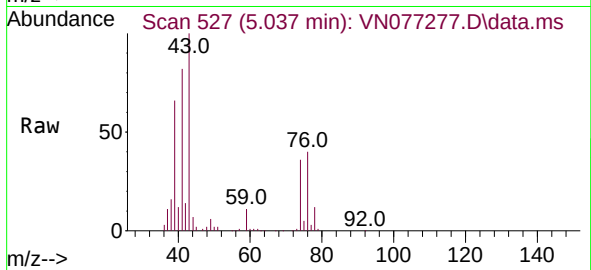
Tgt Ion: 76 Resp: 250284  
Ion Ratio Lower Upper  
76 100  
78 10.2 6.3 9.5#





#17  
 Allyl chloride  
 Concen: 16.966 ug/l  
 RT: 5.037 min Scan# 51  
 Delta R.T. 0.006 min  
 Lab File: VN077277.D  
 Acq: 07 Apr 2023 14:20

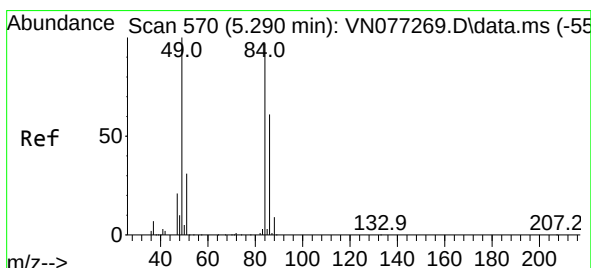
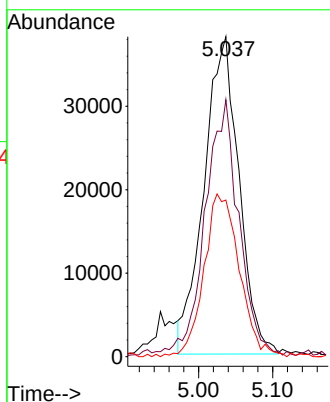
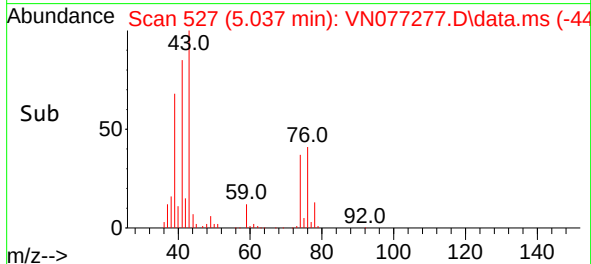
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0407WBSD01



Tgt Ion: 41 Resp: 124520  
 Ion Ratio Lower Upper  
 41 100  
 39 79.4 40.3 120.9  
 76 48.6 25.3 75.8

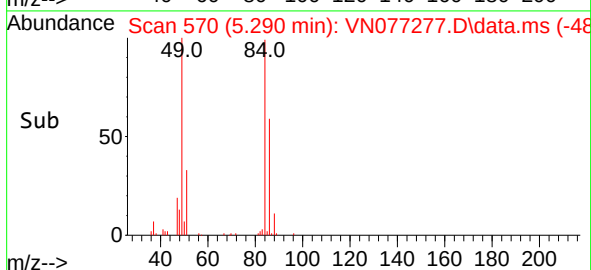
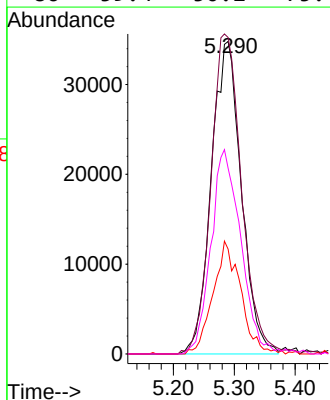
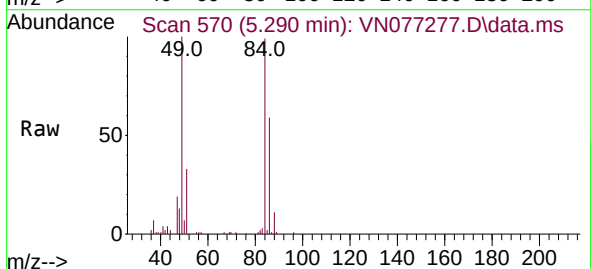
Manual Integrations  
 APPROVED

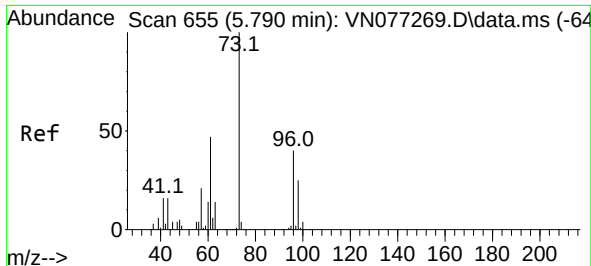
Reviewed By :John Carlone 04/10/2023  
 Supervised By :Semsettin Yesilyurt 04/10/2023



#18  
 Methylene Chloride  
 Concen: 18.002 ug/l  
 RT: 5.290 min Scan# 570  
 Delta R.T. -0.000 min  
 Lab File: VN077277.D  
 Acq: 07 Apr 2023 14:20

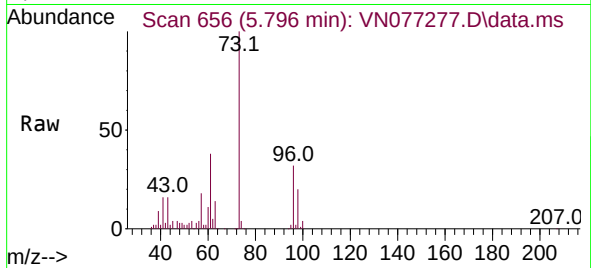
Tgt Ion: 84 Resp: 119191  
 Ion Ratio Lower Upper  
 84 100  
 49 101.2 82.7 124.1  
 51 33.5 25.6 38.4  
 86 59.4 50.2 75.4





#19  
trans-1,2-Dichloroethene  
Concen: 17.222 ug/l  
RT: 5.796 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

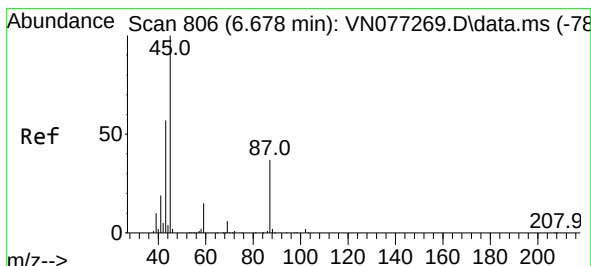
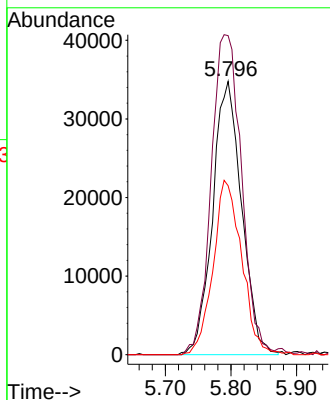
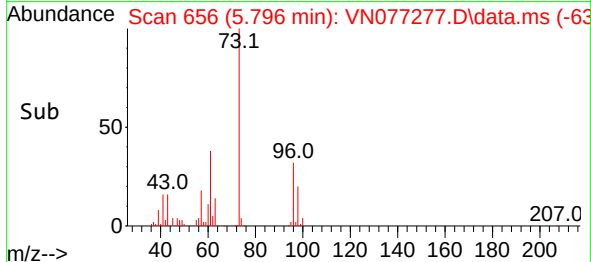
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



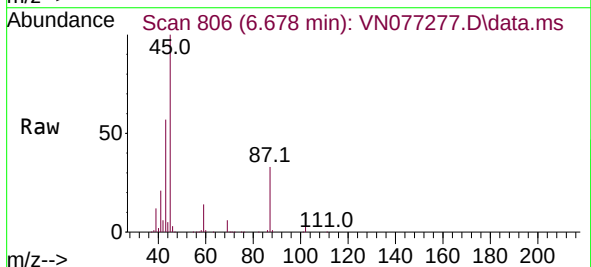
Tgt Ion: 96 Resp: 106768  
Ion Ratio Lower Upper  
96 100  
61 116.7 94.5 141.7  
98 61.8 49.8 74.8

Manual Integrations  
APPROVED

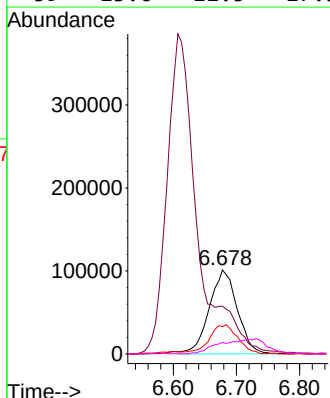
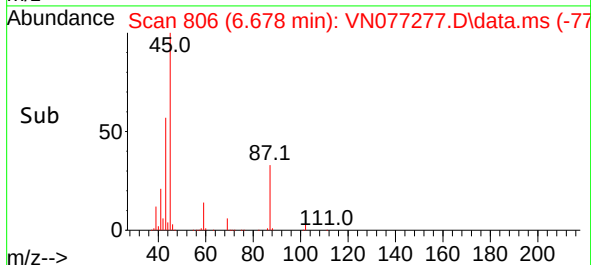
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

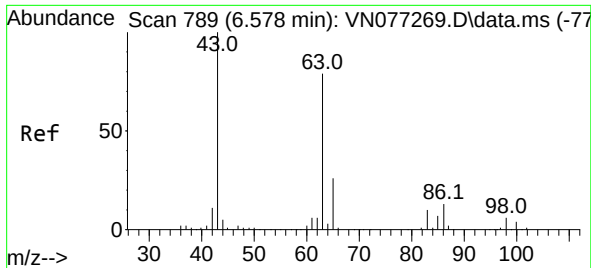


#20  
Diisopropyl ether  
Concen: 17.792 ug/l  
RT: 6.678 min Scan# 806  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



Tgt Ion: 45 Resp: 311232  
Ion Ratio Lower Upper  
45 100  
43 54.7 45.9 68.9  
87 32.7 30.1 45.1  
59 13.6 11.5 17.3





#21

1,1-Dichloroethane

Concen: 17.679 ug/l

RT: 6.578 min Scan# 789

Delta R.T. -0.000 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0407WBSD01

Tgt Ion: 63 Resp: 196010

Ion Ratio Lower Upper

63 100

98 9.4 3.9 11.7

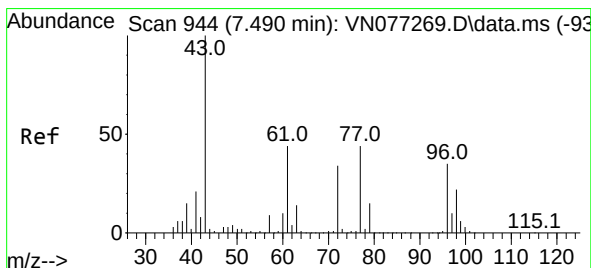
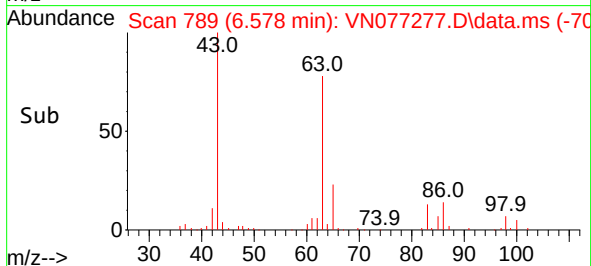
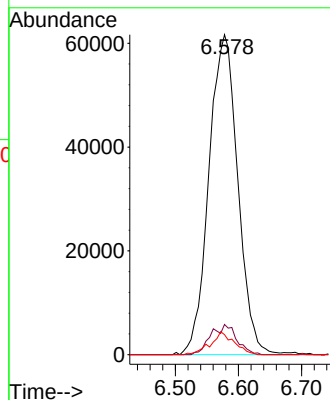
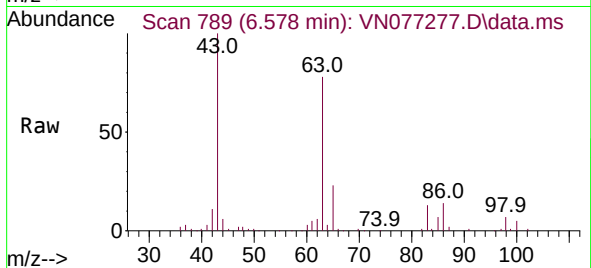
100 6.2 2.3 6.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/10/2023

Supervised By :Semsettin Yesilyurt 04/10/2023



#22

cis-1,2-Dichloroethene

Concen: 17.899 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.006 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

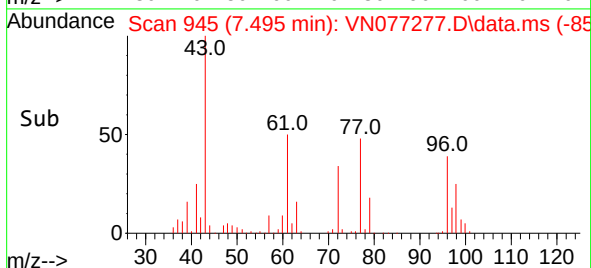
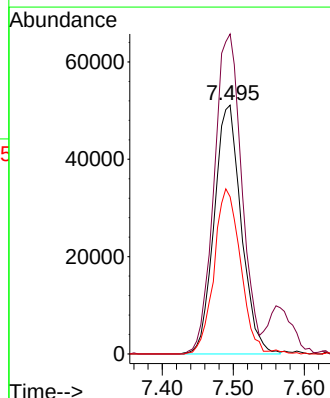
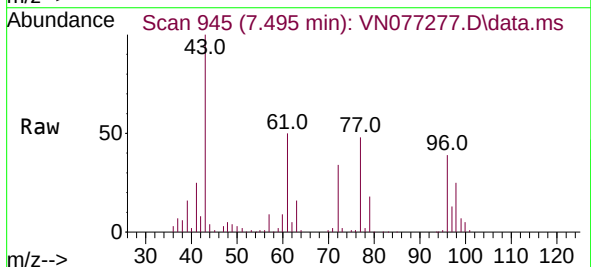
Tgt Ion: 96 Resp: 135272

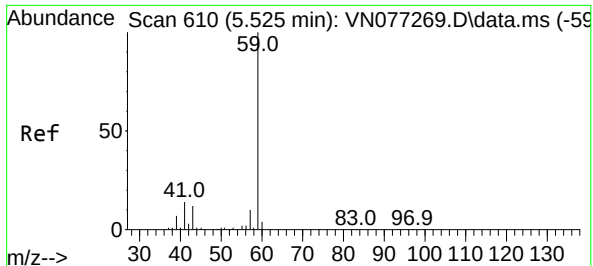
Ion Ratio Lower Upper

96 100

61 130.6 105.5 158.3

98 64.4 51.8 77.6





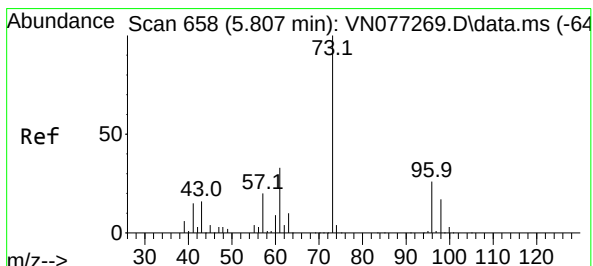
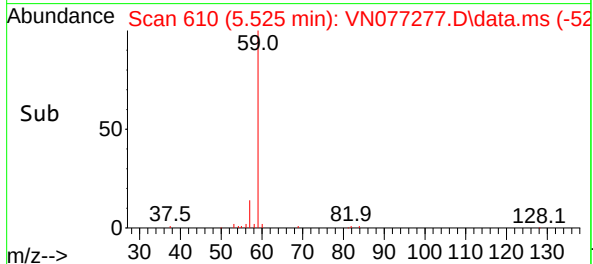
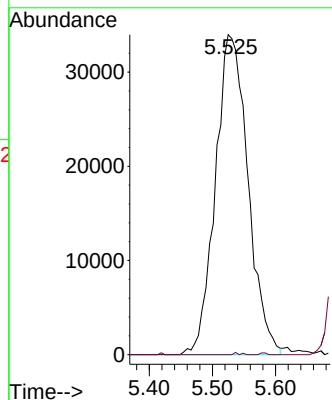
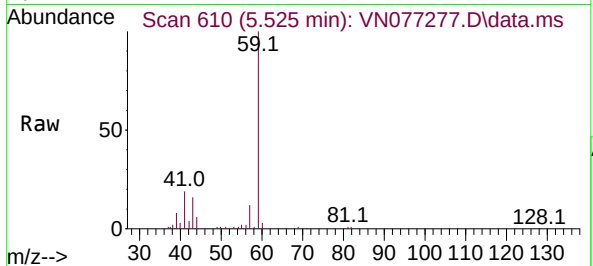
#23  
tert-Butyl Alcohol  
Concen: 94.240 ug/l  
RT: 5.525 min Scan# 610  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01

Tgt Ion: 59 Resp: 121674  
Ion Ratio Lower Upper  
59 100  
52 0.1 0.1 0.1

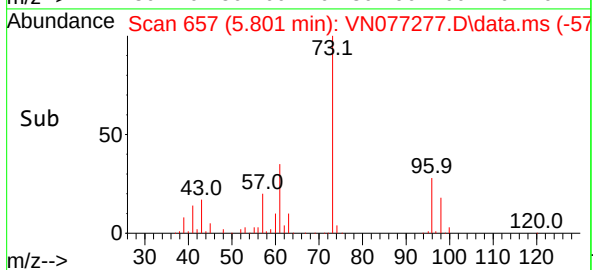
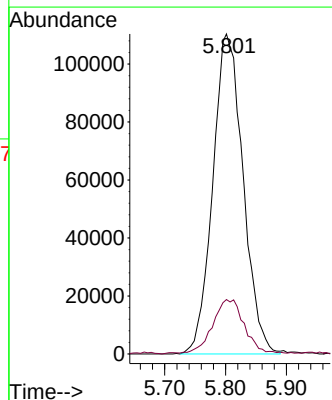
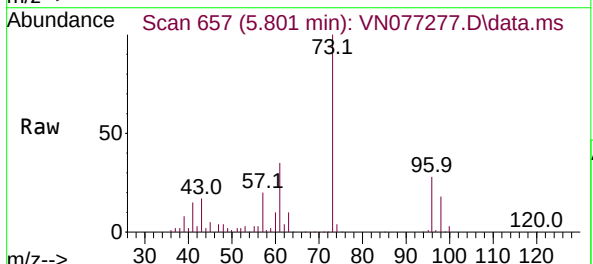
Manual Integrations  
APPROVED

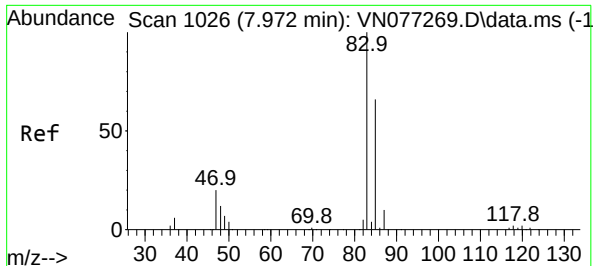
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#24  
Methyl tert-Butyl Ether  
Concen: 18.588 ug/l  
RT: 5.801 min Scan# 657  
Delta R.T. -0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Tgt Ion: 73 Resp: 381539  
Ion Ratio Lower Upper  
73 100  
43 10.0 13.5 20.3





#25

Chloroform

Concen: 17.890 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0407WBSD01

Tgt Ion: 83 Resp: 21497

Ion Ratio Lower Upper

83 100

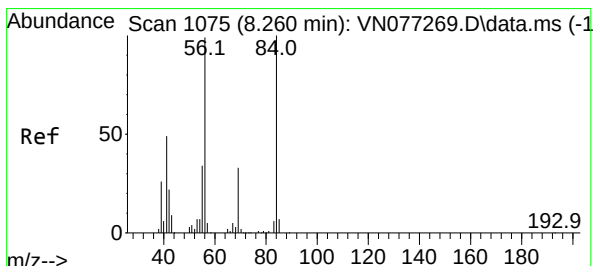
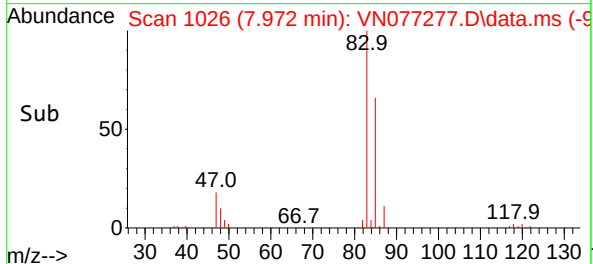
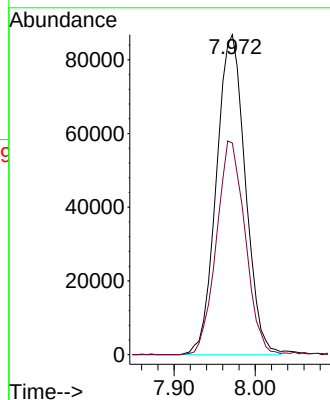
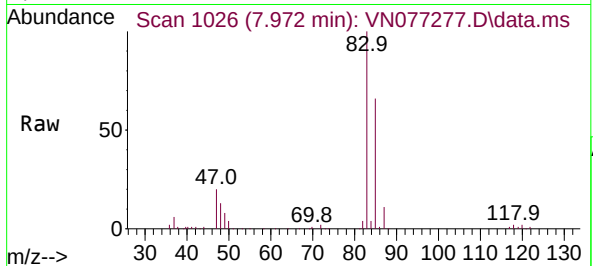
85 66.2 52.9 79.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/10/2023

Supervised By :Semsettin Yesilyurt 04/10/2023



#26

Cyclohexane

Concen: 16.669 ug/l

RT: 8.260 min Scan# 1075

Delta R.T. -0.000 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

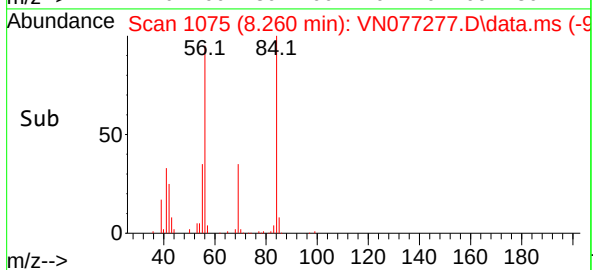
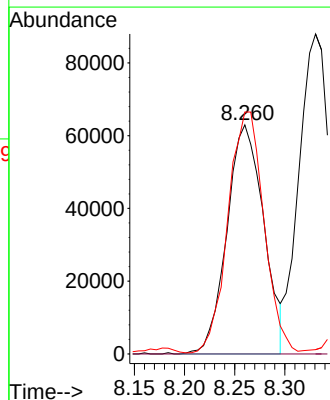
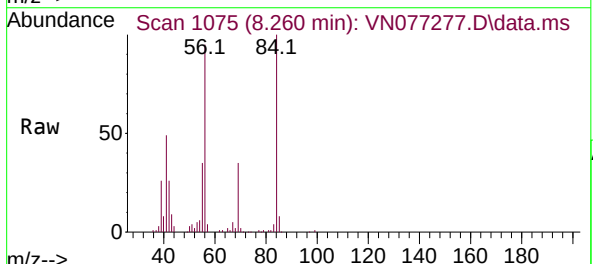
Tgt Ion: 56 Resp: 160600

Ion Ratio Lower Upper

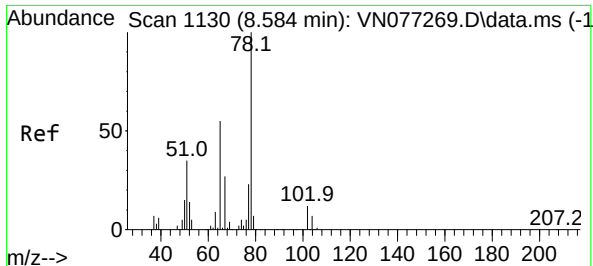
56 100

89 0.0 0.0 0.0

84 103.9 82.6 123.8







#27

1,2-Dichloroethane-d4

Concen: 29.489 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0407WBSD01

Tgt Ion: 65 Resp: 13532

Ion Ratio Lower Upper

65 100

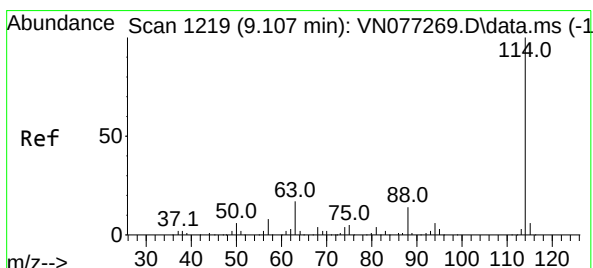
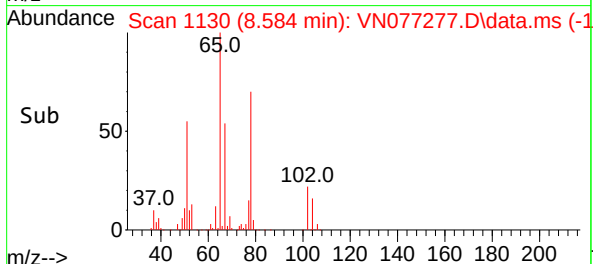
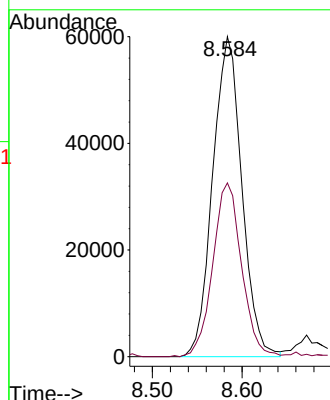
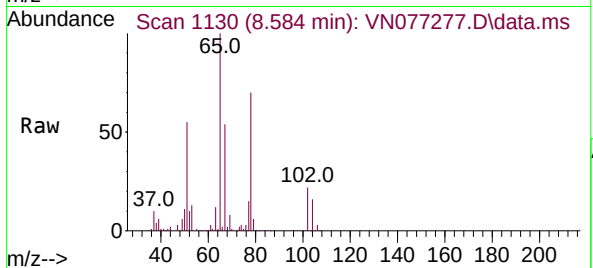
67 53.5 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/10/2023

Supervised By :Semsettin Yesilyurt 04/10/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

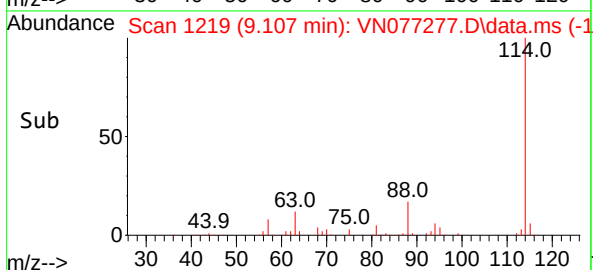
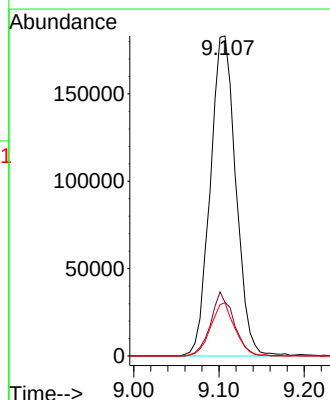
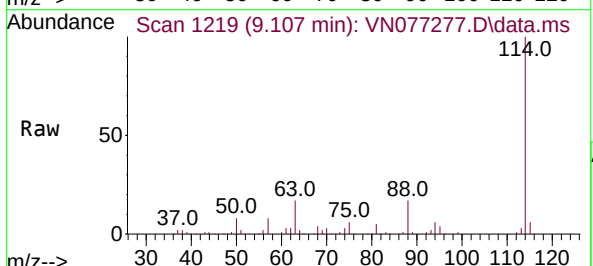
Tgt Ion:114 Resp: 381754

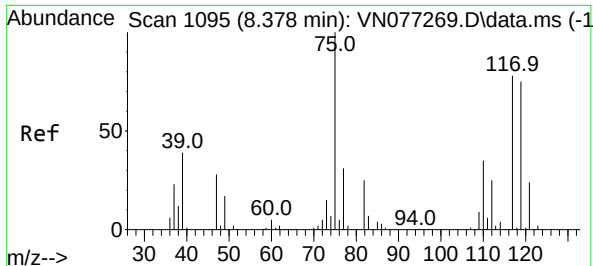
Ion Ratio Lower Upper

114 100

63 18.0 15.0 22.4

88 15.8 11.9 17.9





#29

1,1-Dichloropropene

Concen: 18.167 ug/l

RT: 8.378 min Scan# 1095

Delta R.T. -0.000 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0407WBSD01

Tgt Ion: 75 Resp: 150230

Ion Ratio Lower Upper

75 100

110 36.9 0.0 72.4

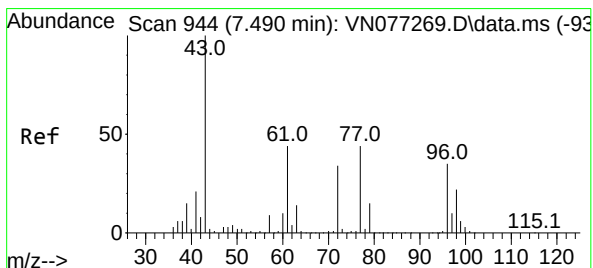
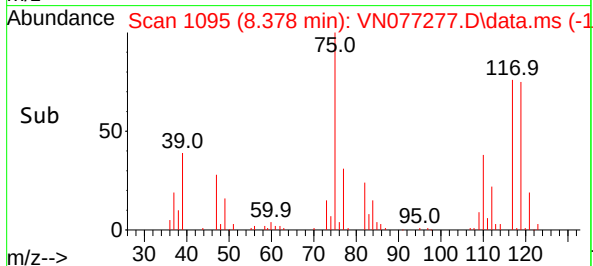
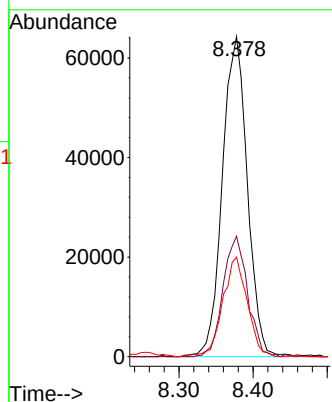
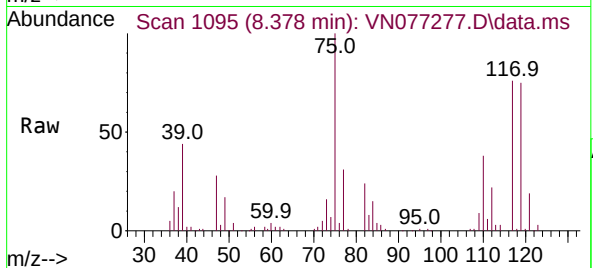
77 30.7 0.0 61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/10/2023

Supervised By :Semsettin Yesilyurt 04/10/2023



#30

2-Butanone

Concen: 93.039 ug/l

RT: 7.490 min Scan# 944

Delta R.T. -0.000 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

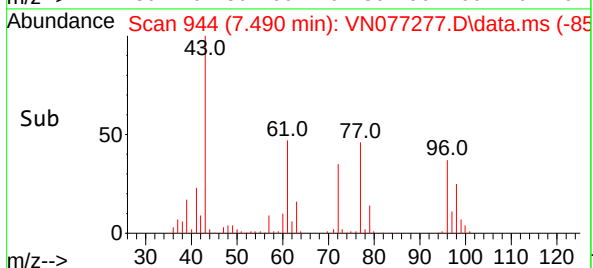
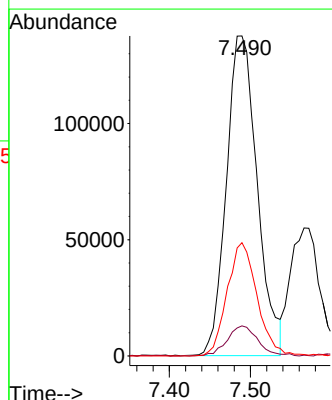
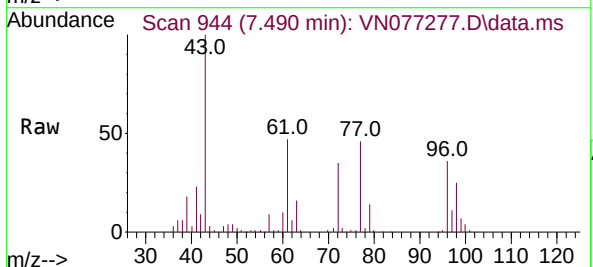
Tgt Ion: 43 Resp: 363849

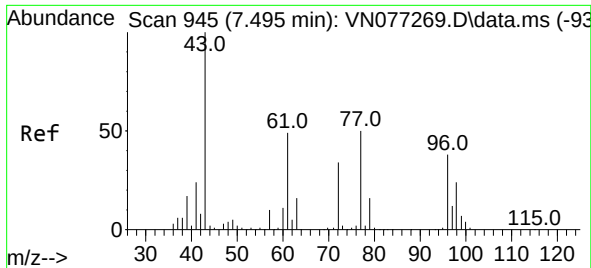
Ion Ratio Lower Upper

43 100

57 9.2 7.5 11.3

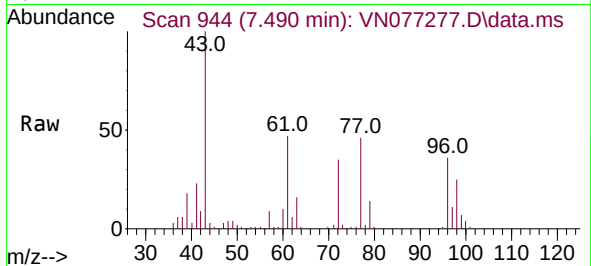
72 34.2 26.9 40.3





#31  
2,2-Dichloropropane  
Concen: 17.632 ug/l  
RT: 7.490 min Scan# 944  
Delta R.T. -0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

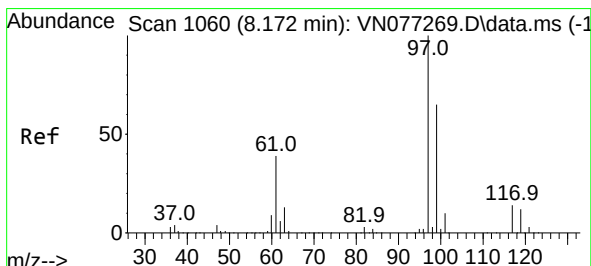
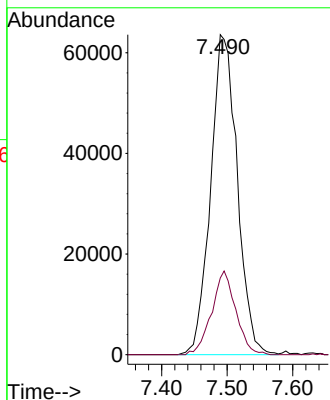
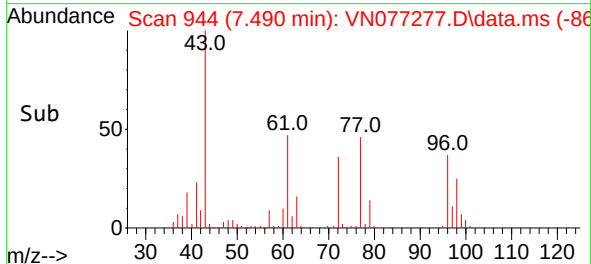
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



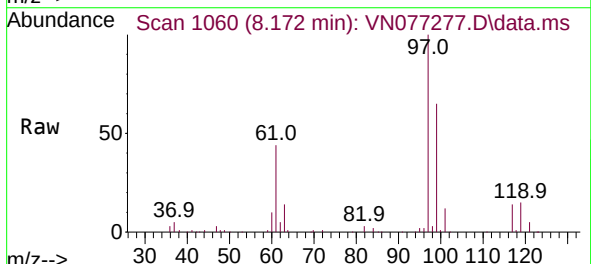
Tgt Ion: 77 Resp: 178990  
Ion Ratio Lower Upper  
77 100  
97 23.7 18.8 28.2

Manual Integrations  
APPROVED

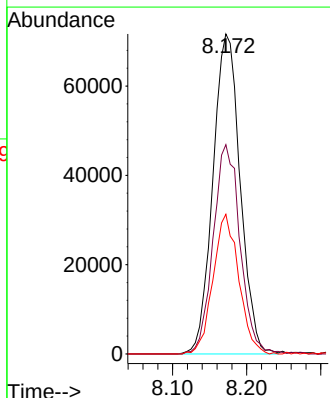
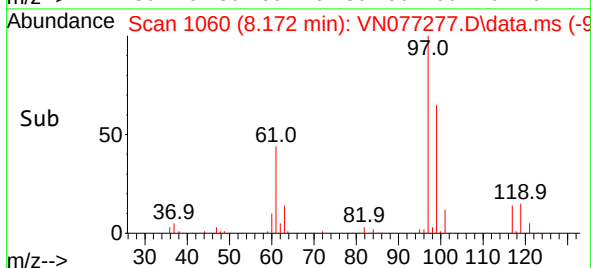
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

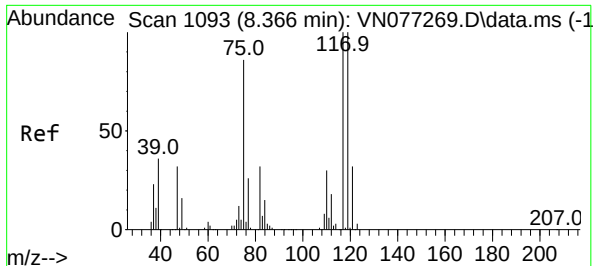


#32  
1,1,1-Trichloroethane  
Concen: 17.992 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



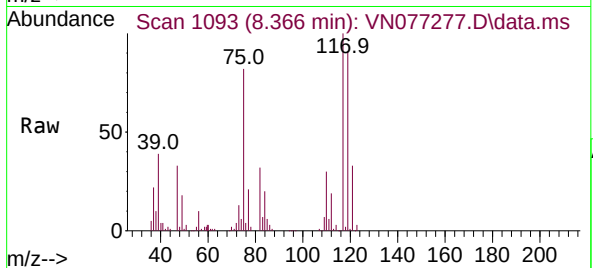
Tgt Ion: 97 Resp: 183110  
Ion Ratio Lower Upper  
97 100  
99 64.5 51.6 77.4  
61 41.1 32.4 48.6





#33  
Carbon Tetrachloride  
Concen: 17.900 ug/l  
RT: 8.366 min Scan# 1093  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

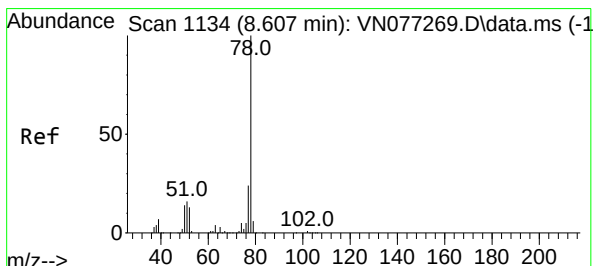
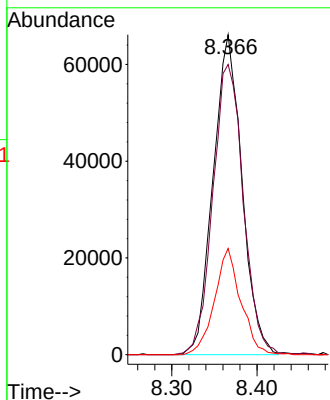
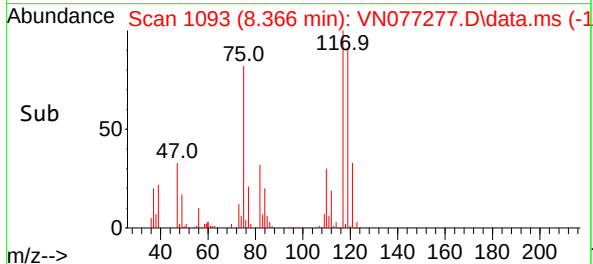
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion: 117 Resp: 15548  
Ion Ratio Lower Upper  
117 100  
119 90.4 80.2 120.4  
121 33.2 26.0 39.0

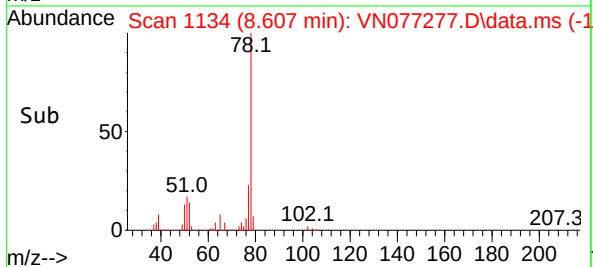
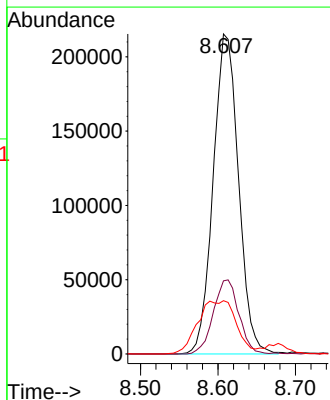
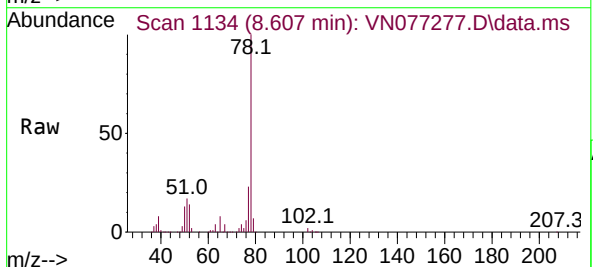
Manual Integrations  
APPROVED

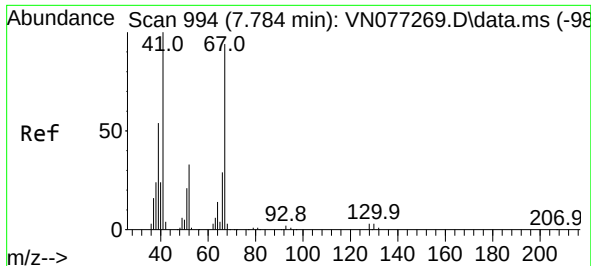
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#34  
Benzene  
Concen: 19.125 ug/l  
RT: 8.607 min Scan# 1134  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

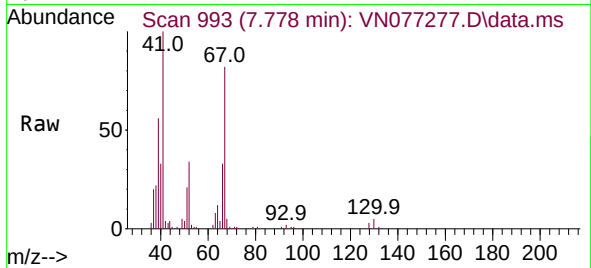
Tgt Ion: 78 Resp: 489376  
Ion Ratio Lower Upper  
78 100  
77 22.8 19.4 29.0  
51 15.9 12.6 19.0





#35  
Methacrylonitrile  
Concen: 19.361 ug/l  
RT: 7.778 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

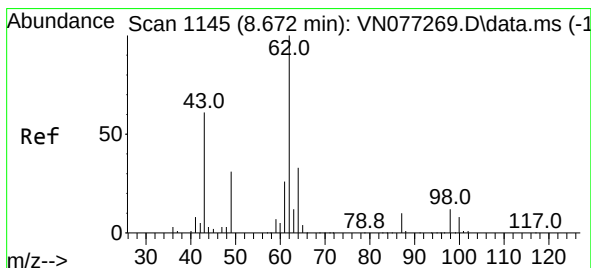
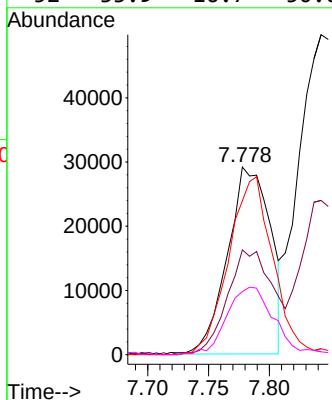
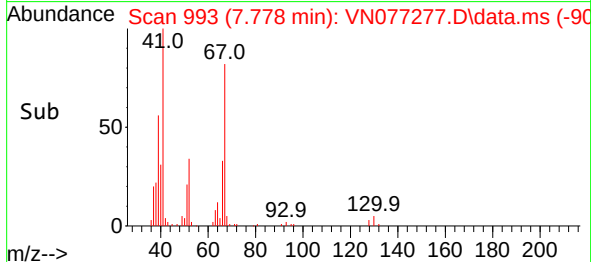
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



| Tgt Ion:  | 41   | Resp: | 7132  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 39        | 55.3 | 27.1  | 81.2  |
| 67        | 82.7 | 46.8  | 140.4 |
| 52        | 33.9 | 16.7  | 50.0  |

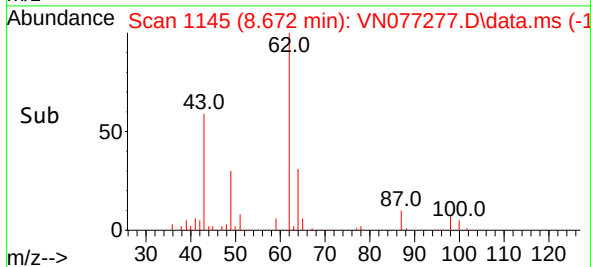
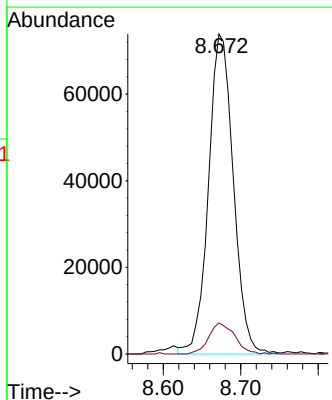
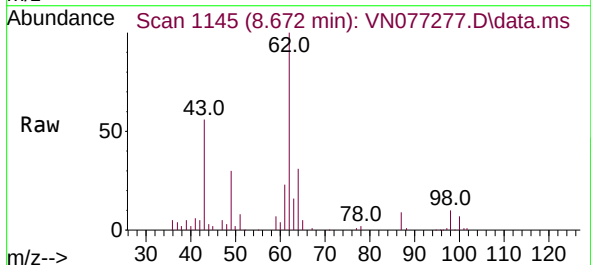
Manual Integrations  
APPROVED

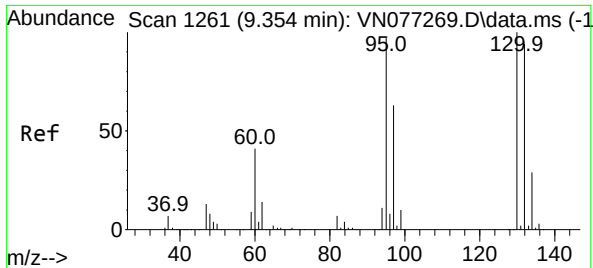
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#36  
1,2-Dichloroethane  
Concen: 20.531 ug/l  
RT: 8.672 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

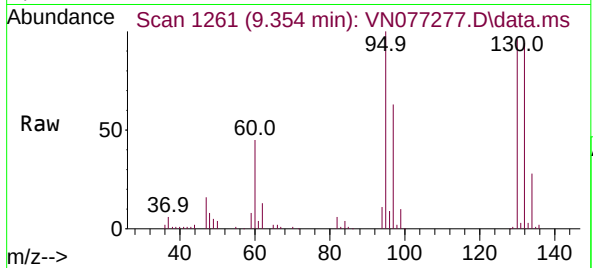
| Tgt Ion:  | 62   | Resp: | 164708 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 62        | 100  |       |        |
| 98        | 10.0 | 8.3   | 12.5   |





#37  
Trichloroethene  
Concen: 18.445 ug/l  
RT: 9.354 min Scan# 1261  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

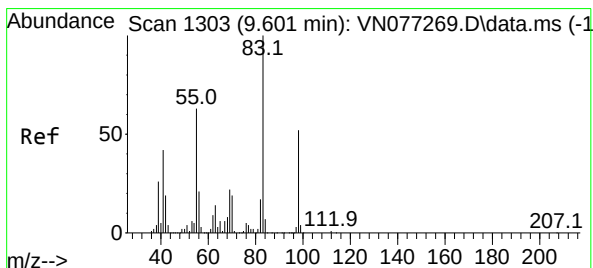
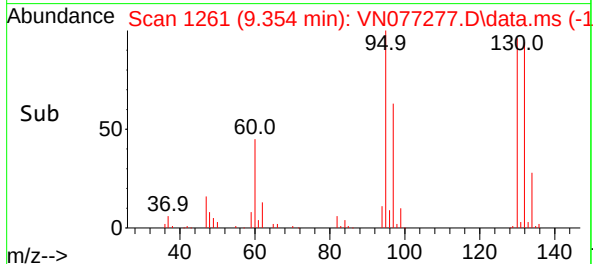
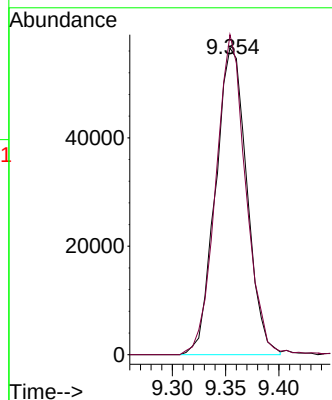
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion:130 Resp: 11544  
Ion Ratio Lower Upper  
130 100  
95 104.3 77.5 116.3

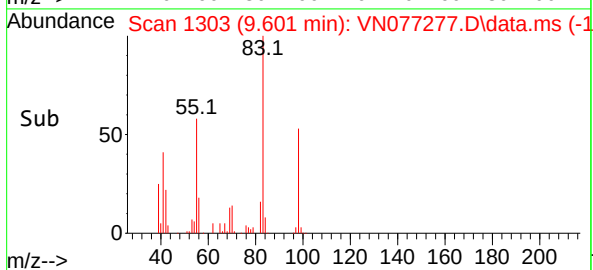
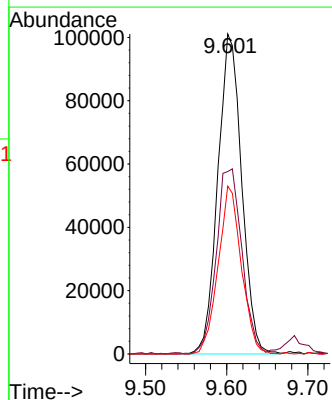
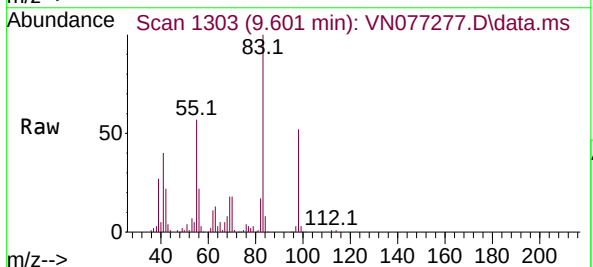
Manual Integrations  
APPROVED

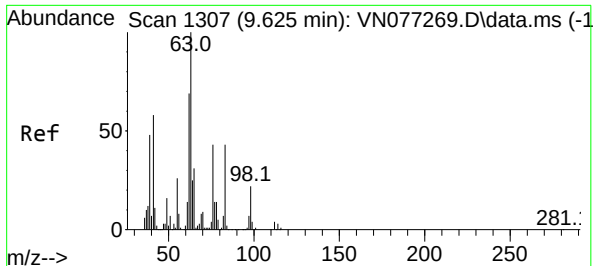
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#38  
Methylcyclohexane  
Concen: 18.424 ug/l  
RT: 9.601 min Scan# 1303  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Tgt Ion: 83 Resp: 206640  
Ion Ratio Lower Upper  
83 100  
55 62.2 32.0 96.2  
98 50.9 25.3 75.9





#39

1,2-Dichloropropane

Concen: 18.825 ug/l

RT: 9.625 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077277.D

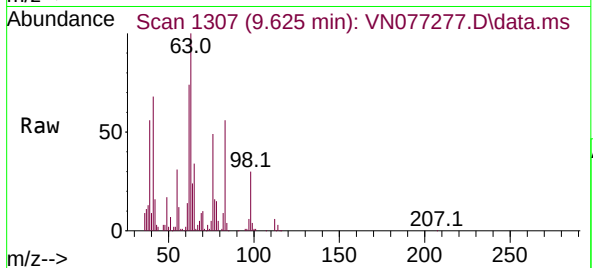
Acq: 07 Apr 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0407WBSD01



Tgt Ion: 63 Resp: 11957

Ion Ratio Lower Upper

63 100

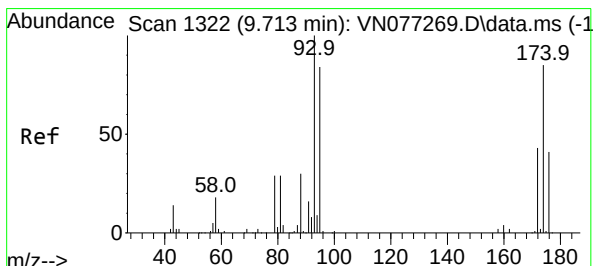
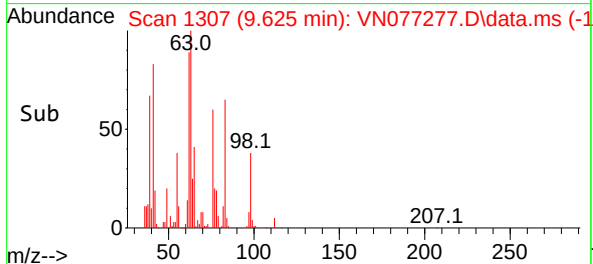
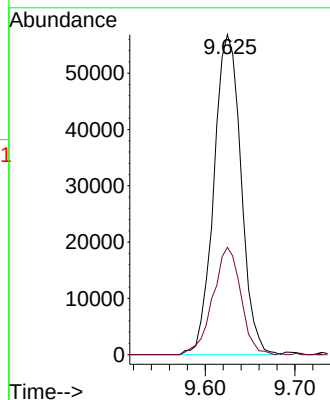
65 33.6 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/10/2023

Supervised By :Semsettin Yesilyurt 04/10/2023



#40

Dibromomethane

Concen: 19.254 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

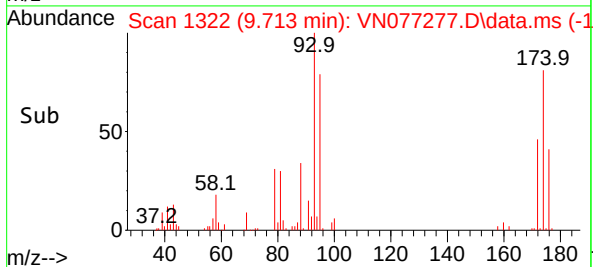
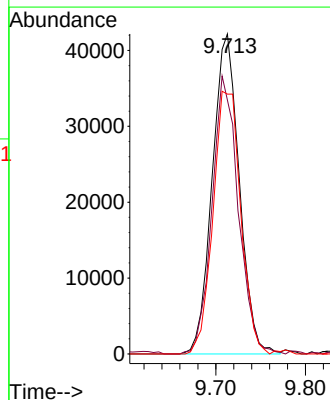
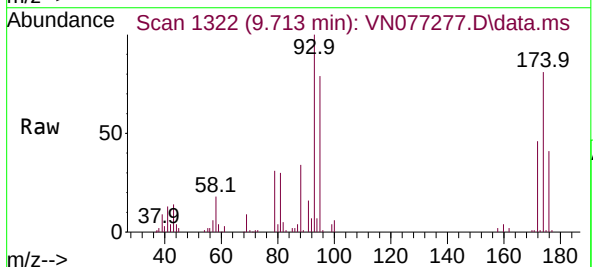
Tgt Ion: 93 Resp: 88120

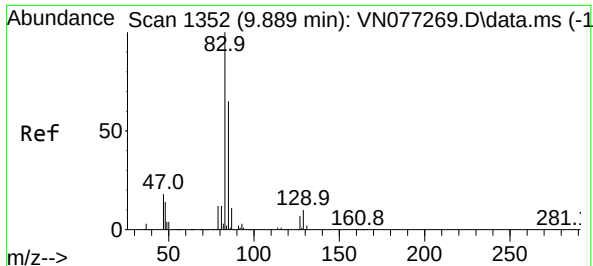
Ion Ratio Lower Upper

93 100

95 84.7 0.0 166.4

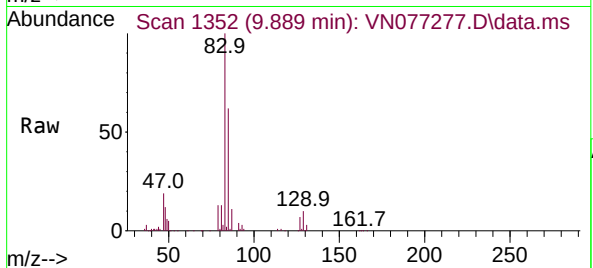
174 84.4 0.0 164.8





#41  
Bromodichloromethane  
Concen: 19.221 ug/l  
RT: 9.889 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

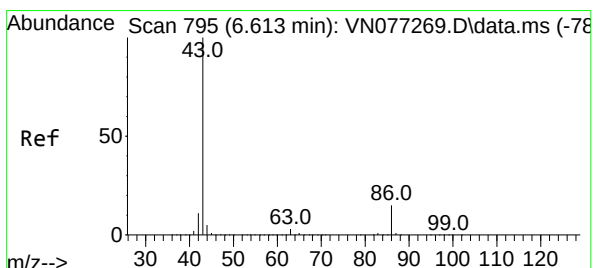
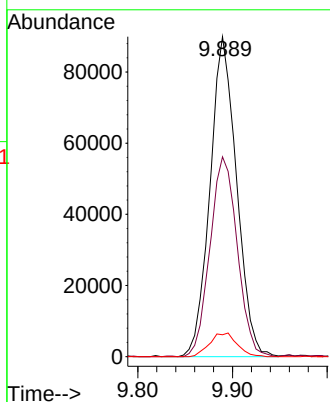
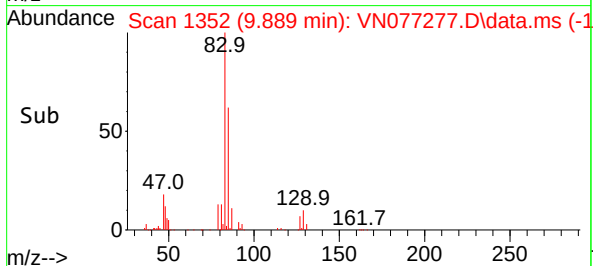
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion: 83 Resp: 175415  
Ion Ratio Lower Upper  
83 100  
85 62.5 52.3 78.5  
127 6.8 5.9 8.9

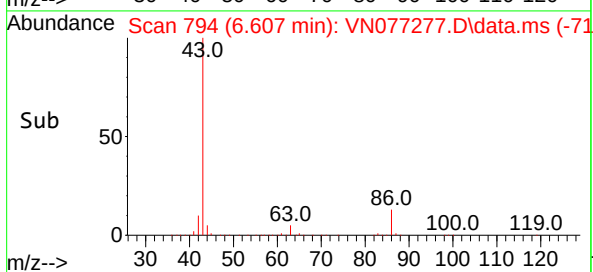
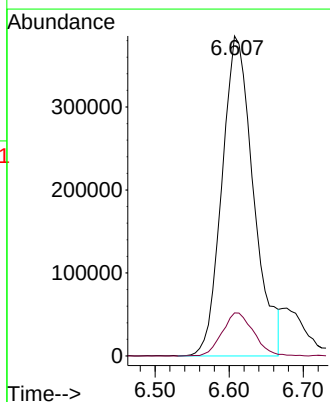
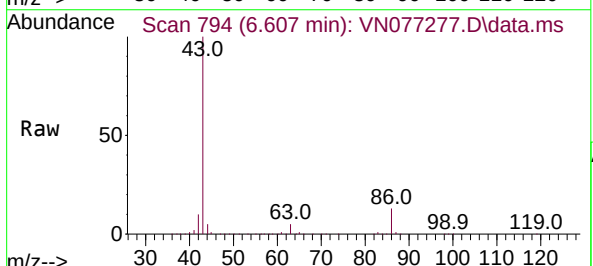
Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

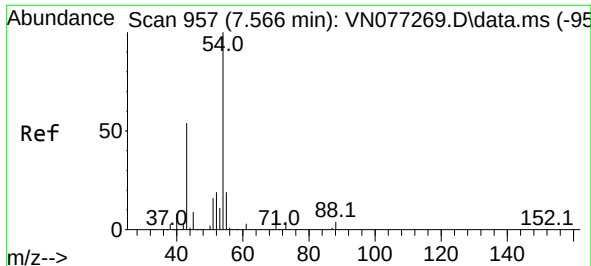


#42  
Vinyl Acetate  
Concen: 100.790 ug/l  
RT: 6.607 min Scan# 794  
Delta R.T. -0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Tgt Ion: 43 Resp: 1140777  
Ion Ratio Lower Upper  
43 100  
86 13.5 0.0 0.0#

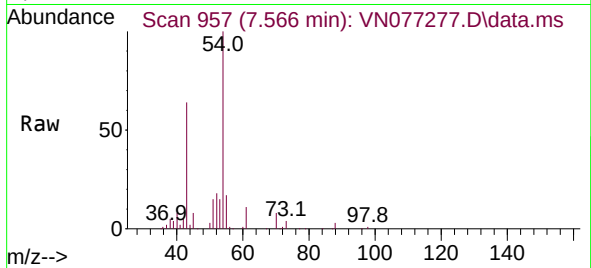






#43  
Ethyl Acetate  
Concen: 19.863 ug/l  
RT: 7.566 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

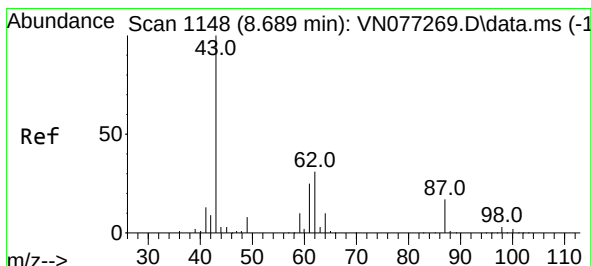
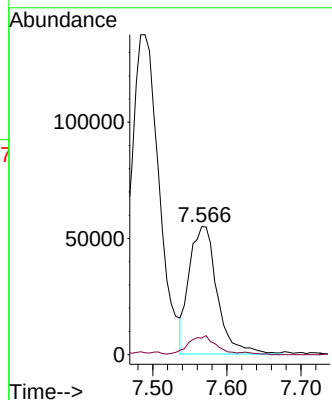
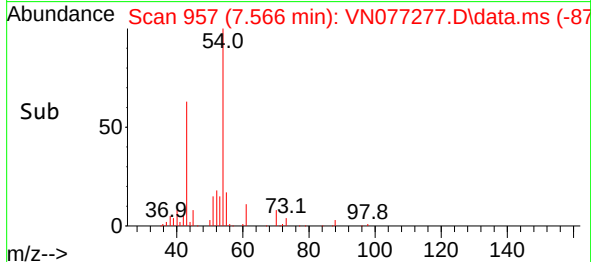
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion: 43 Resp: 143715  
Ion Ratio Lower Upper  
43 100  
45 14.6 12.3 18.5

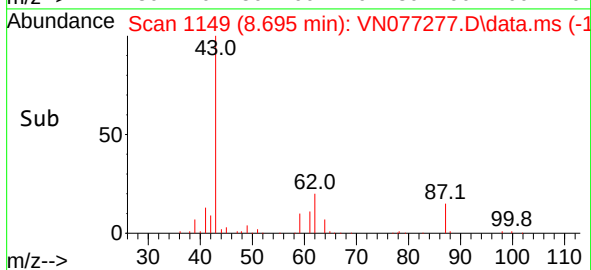
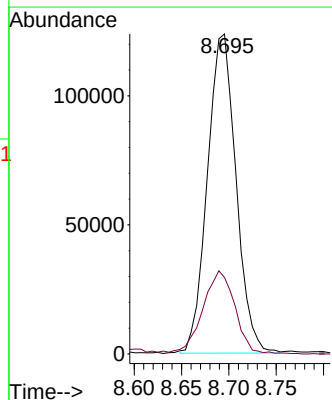
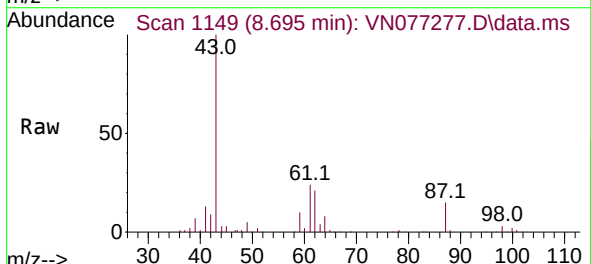
Manual Integrations  
APPROVED

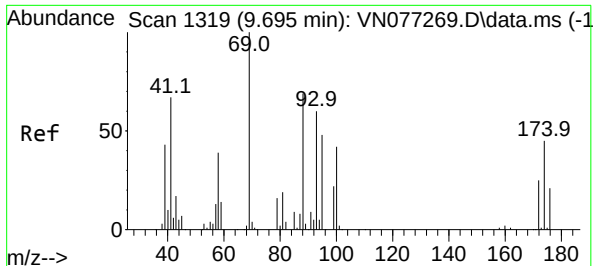
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#44  
Isopropyl Acetate  
Concen: 20.100 ug/l  
RT: 8.695 min Scan# 1149  
Delta R.T. 0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

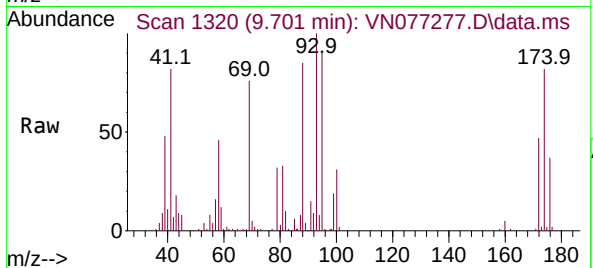
Tgt Ion: 43 Resp: 260384  
Ion Ratio Lower Upper  
43 100  
61 29.1 0.0 0.0#





#45  
1,4-Dioxane  
Concen: 414.429 ug/l  
RT: 9.701 min Scan# 1320  
Delta R.T. 0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

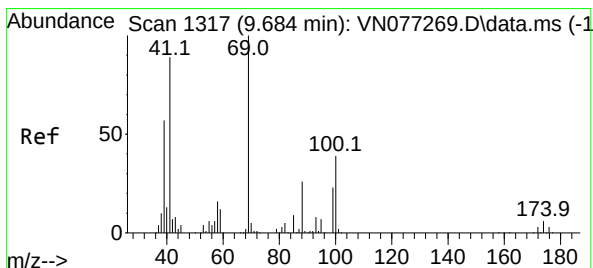
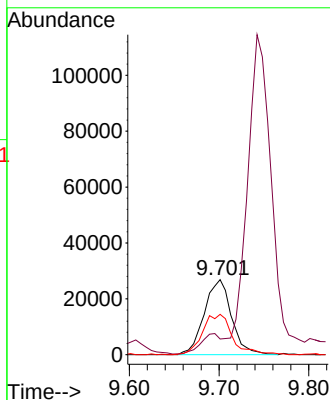
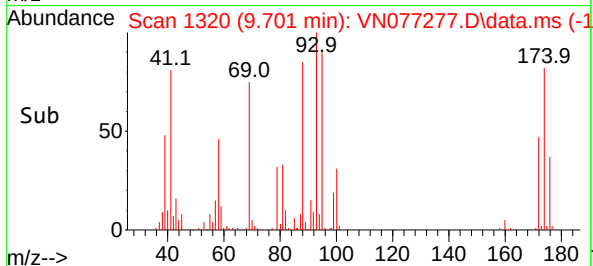
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



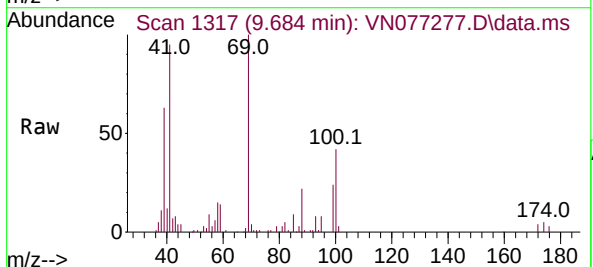
Tgt Ion: 88 Resp: 5662  
Ion Ratio Lower Upper  
88 100  
43 22.9 17.4 26.0  
58 55.5 48.2 72.4

Manual Integrations  
APPROVED

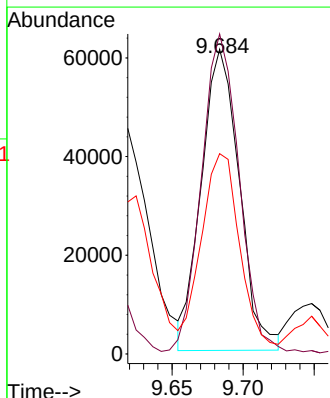
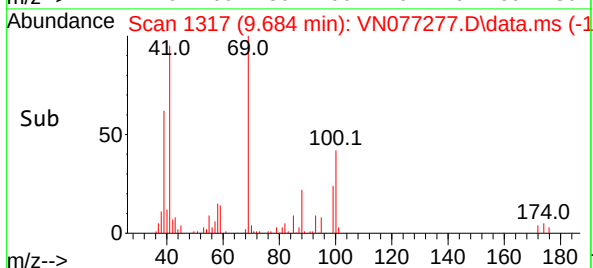
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

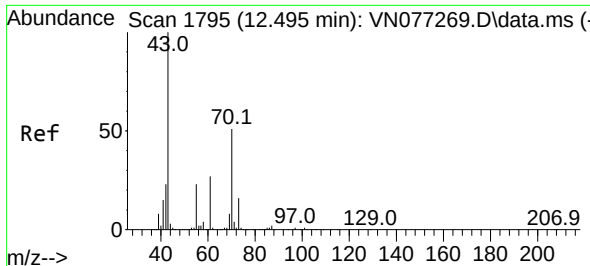


#46  
Methyl methacrylate  
Concen: 20.376 ug/l  
RT: 9.684 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



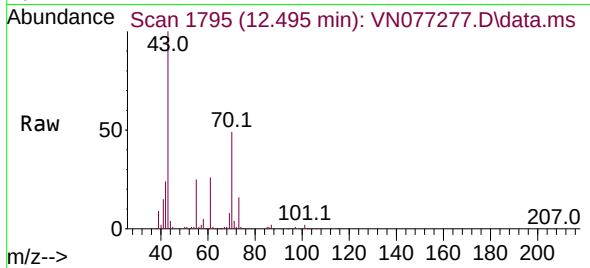
Tgt Ion: 41 Resp: 113650  
Ion Ratio Lower Upper  
41 100  
69 109.5 54.5 163.5  
39 66.9 33.4 100.2





#47  
n-amy1 Acetate  
Concen: 19.904 ug/l  
RT: 12.495 min Scan# 1795  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

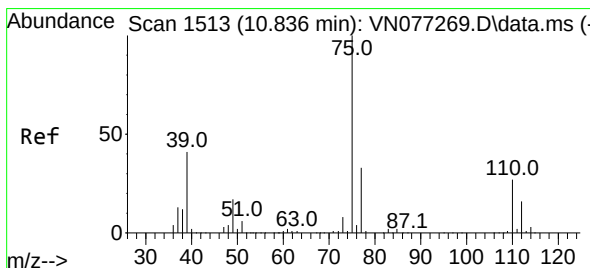
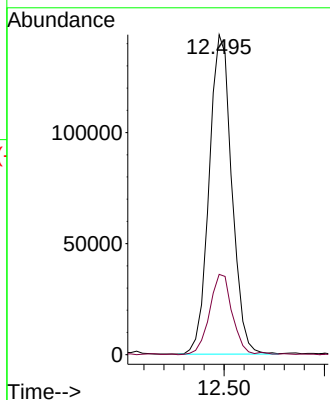
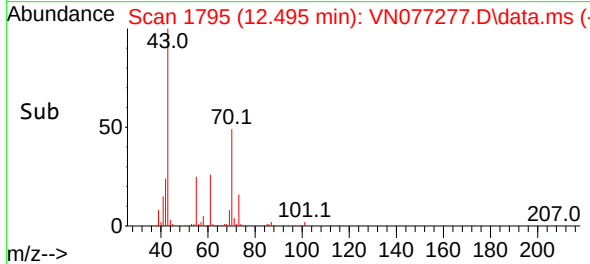
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion: 43 Resp: 225330  
Ion Ratio Lower Upper  
43 100  
55 25.1 19.4 29.0

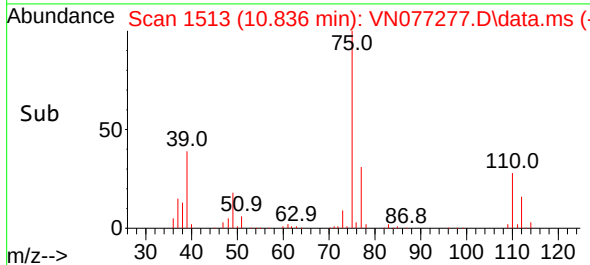
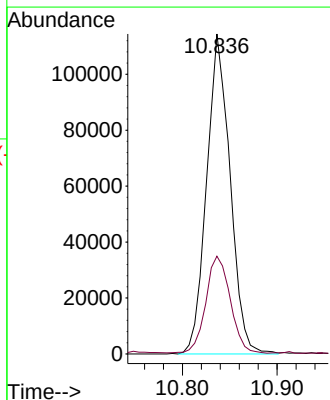
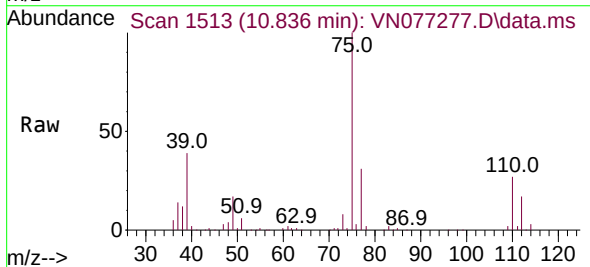
Manual Integrations  
APPROVED

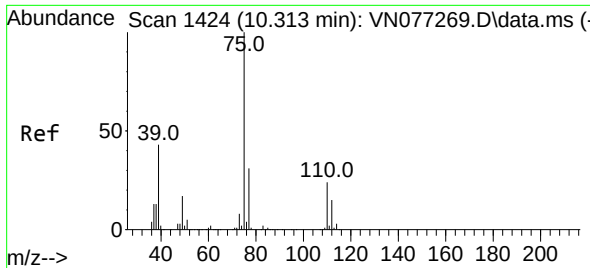
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#48  
t-1,3-Dichloropropene  
Concen: 19.268 ug/l  
RT: 10.836 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

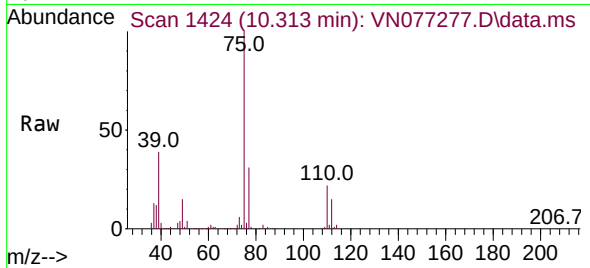
Tgt Ion: 75 Resp: 196793  
Ion Ratio Lower Upper  
75 100  
77 30.2 26.5 39.7





#49  
cis-1,3-Dichloropropene  
Concen: 19.247 ug/l  
RT: 10.313 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

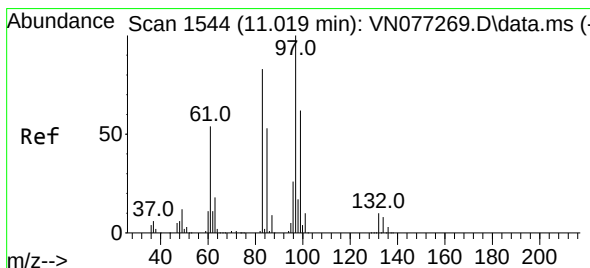
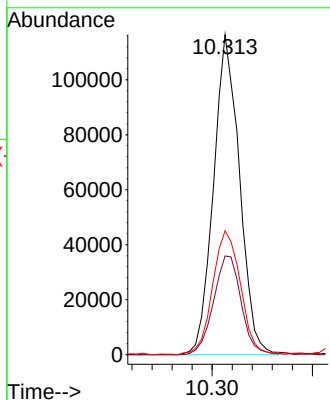
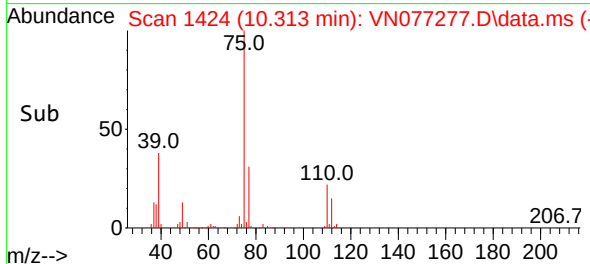
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion: 75 Resp: 209128  
Ion Ratio Lower Upper  
75 100  
77 30.8 25.0 37.6  
39 38.7 34.4 51.6

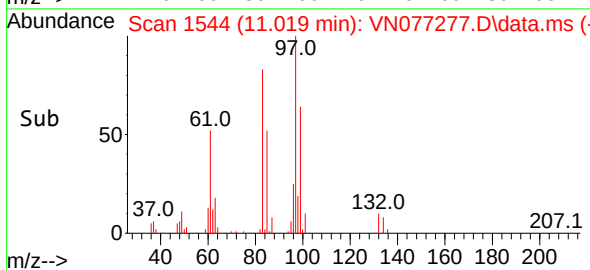
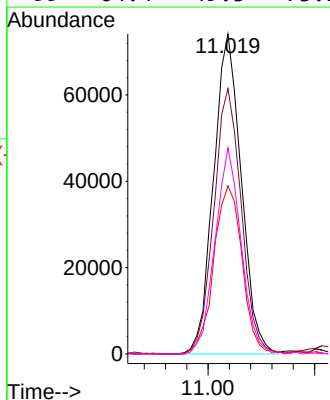
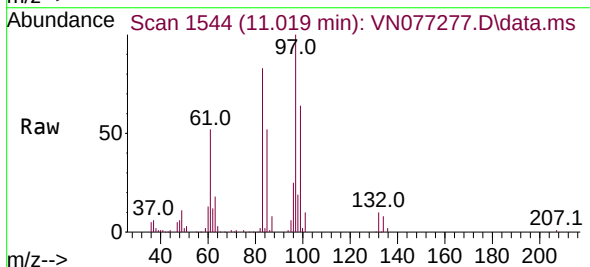
Manual Integrations  
APPROVED

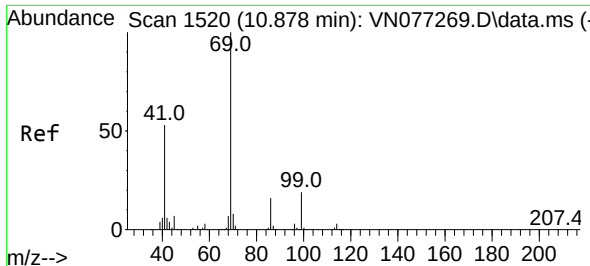
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#50  
1,1,2-Trichloroethane  
Concen: 20.148 ug/l  
RT: 11.019 min Scan# 1544  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

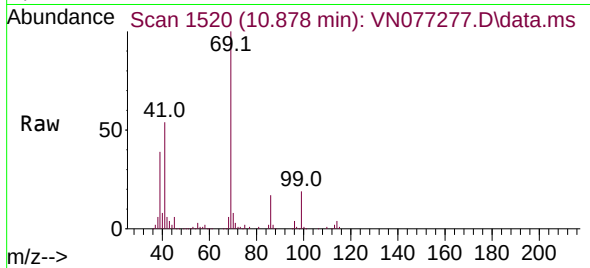
Tgt Ion: 97 Resp: 133943  
Ion Ratio Lower Upper  
97 100  
83 82.9 66.7 100.1  
85 52.5 42.4 63.6  
99 64.4 49.3 73.9





#51  
Ethyl methacrylate  
Concen: 20.671 ug/l  
RT: 10.878 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

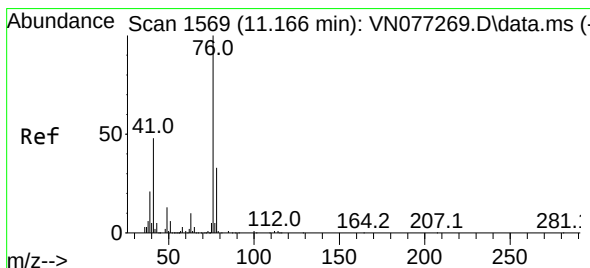
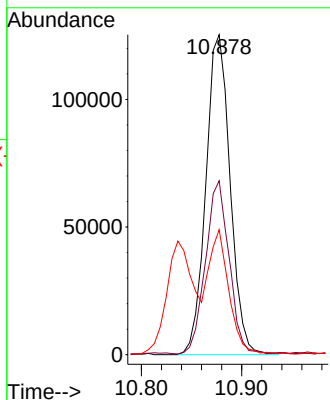
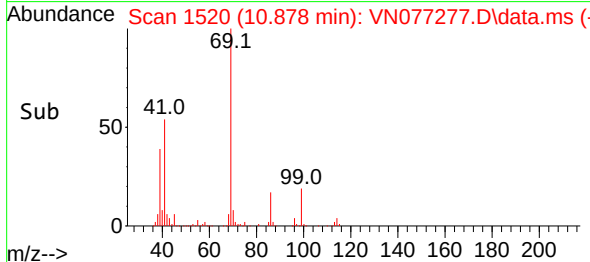
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion: 69 Resp: 211034  
Ion Ratio Lower Upper  
69 100  
41 54.1 26.7 80.0  
39 38.7 17.0 50.9

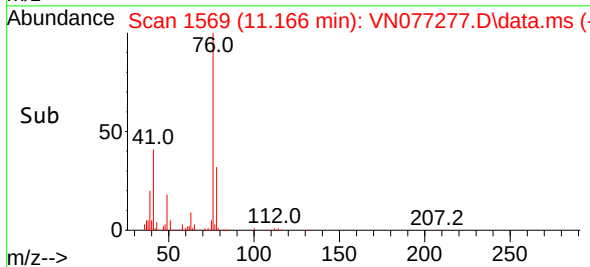
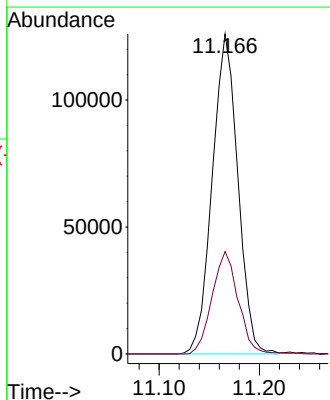
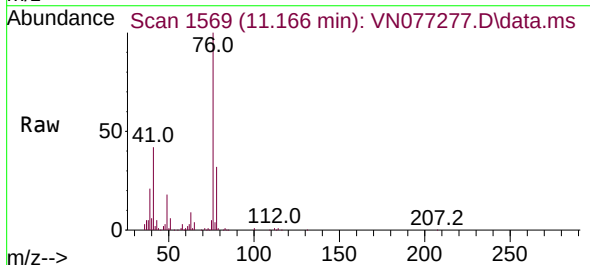
Manual Integrations  
APPROVED

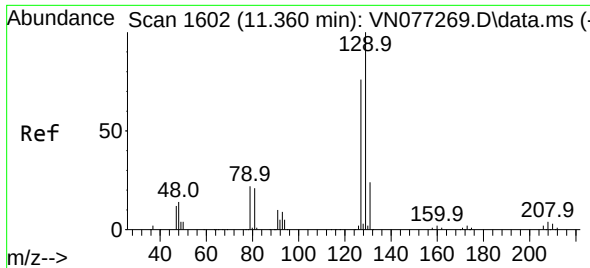
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#52  
1,3-Dichloropropane  
Concen: 20.120 ug/l  
RT: 11.166 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

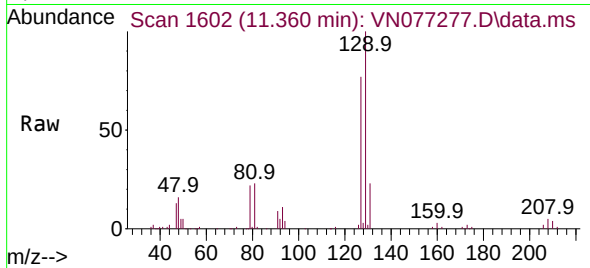
Tgt Ion: 76 Resp: 223241  
Ion Ratio Lower Upper  
76 100  
78 32.6 0.0 65.0





#53  
Dibromochloromethane  
Concen: 19.547 ug/l  
RT: 11.360 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

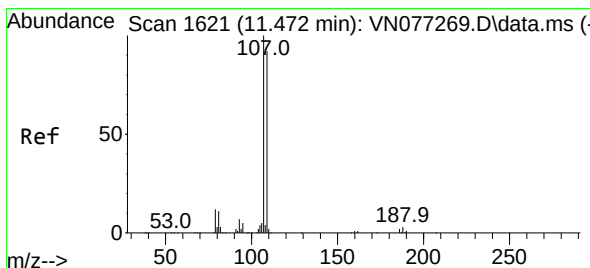
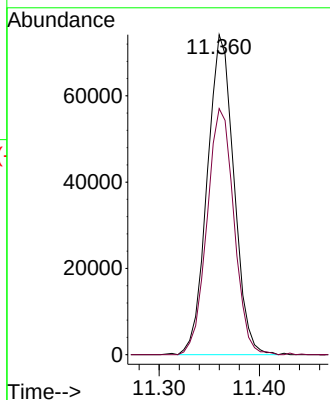
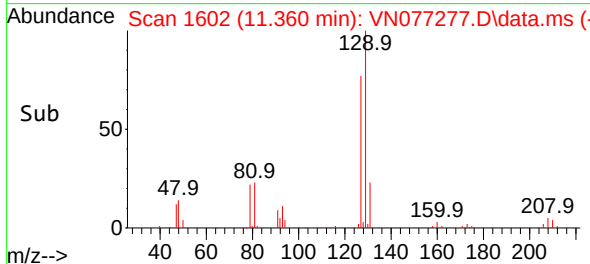
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion:129 Resp: 136950  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.6 115.8

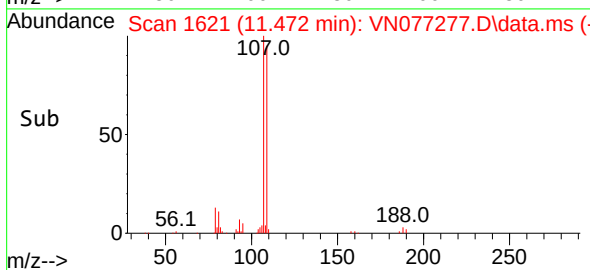
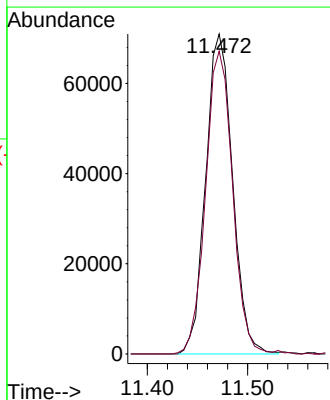
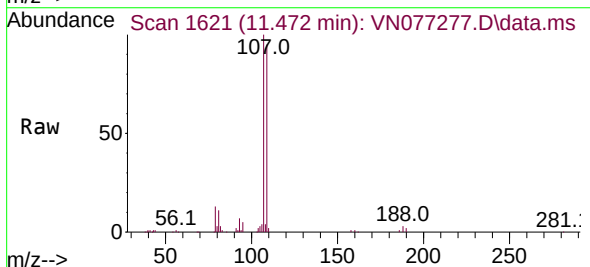
Manual Integrations  
APPROVED

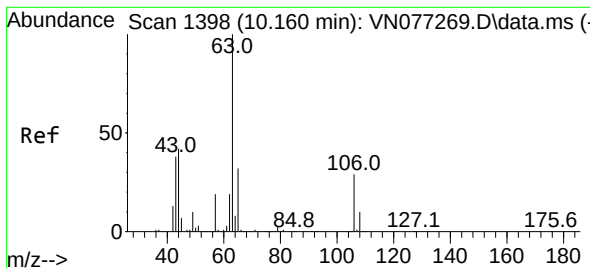
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#54  
1,2-Dibromoethane  
Concen: 19.831 ug/l  
RT: 11.472 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

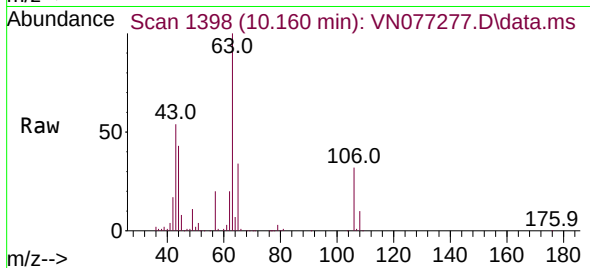
Tgt Ion:107 Resp: 132347  
Ion Ratio Lower Upper  
107 100  
109 94.6 74.1 111.1





#55  
2-Chloroethyl vinyl ether  
Concen: 89.510 ug/l  
RT: 10.160 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

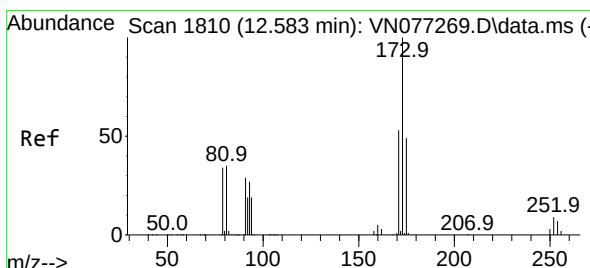
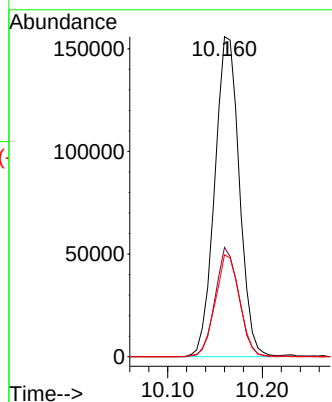
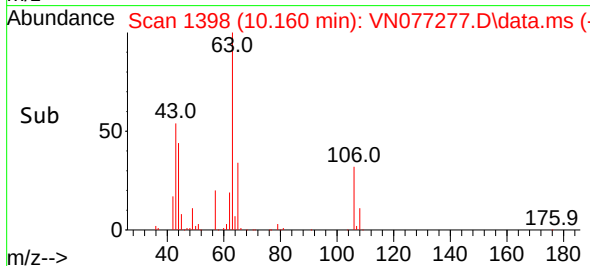
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion: 63 Resp: 282134  
Ion Ratio Lower Upper  
63 100  
65 32.6 25.7 38.5  
106 31.5 24.0 36.0

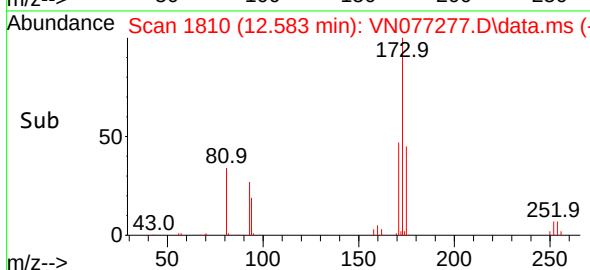
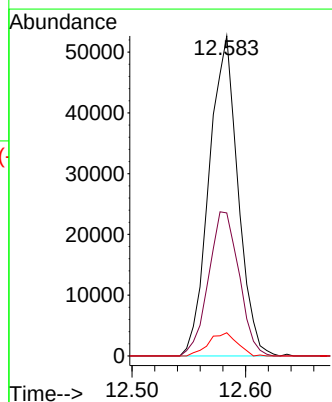
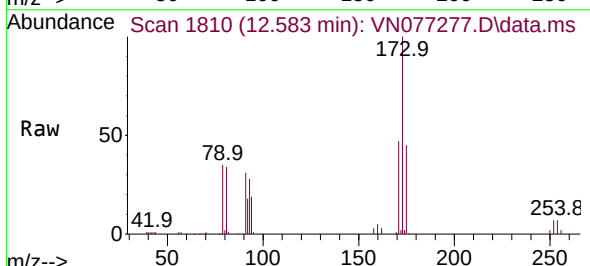
Manual Integrations  
APPROVED

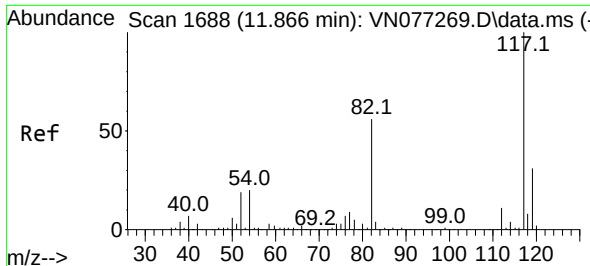
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#56  
Bromoform  
Concen: 19.737 ug/l  
RT: 12.583 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

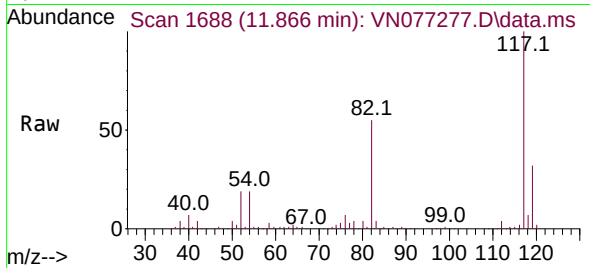
Tgt Ion:173 Resp: 92896  
Ion Ratio Lower Upper  
173 100  
175 47.7 38.2 57.2  
254 7.1 6.0 9.0





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.866 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

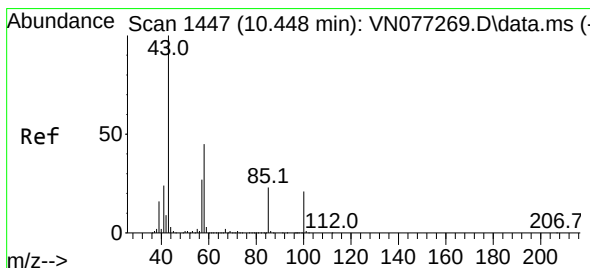
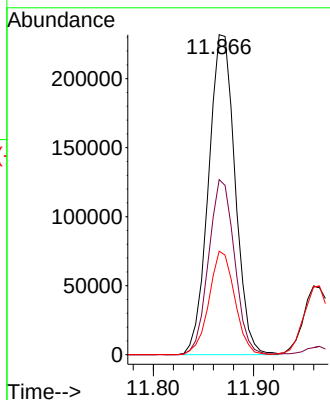
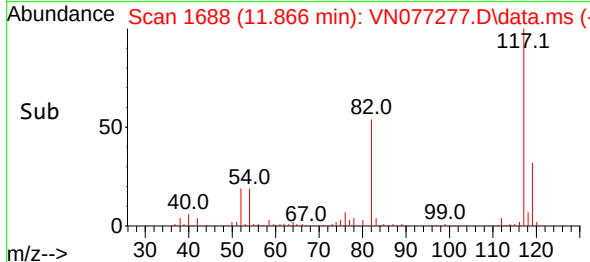
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



Tgt Ion: 117 Resp: 427510  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.8 65.8  
119 31.3 25.4 38.0

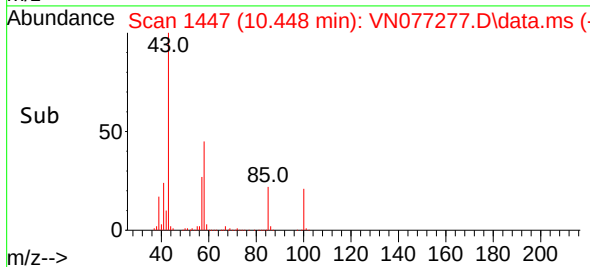
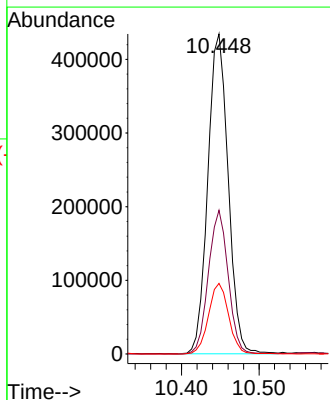
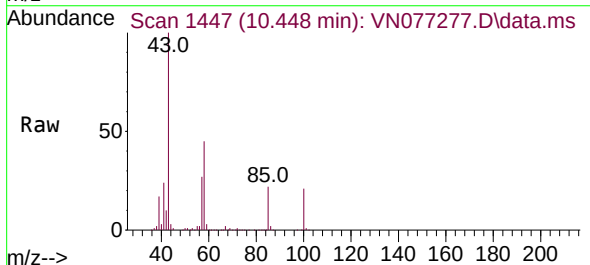
Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

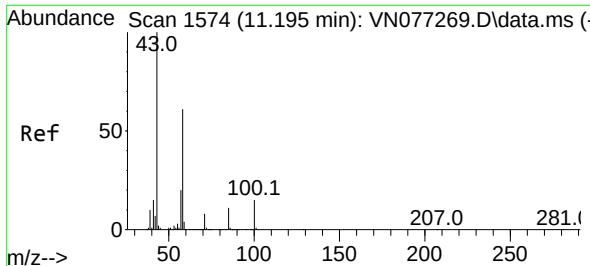


#58  
4-Methyl-2-Pentanone  
Concen: 99.144 ug/l  
RT: 10.448 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Tgt Ion: 43 Resp: 793609  
Ion Ratio Lower Upper  
43 100  
58 43.5 34.7 52.1  
85 21.8 17.8 26.8

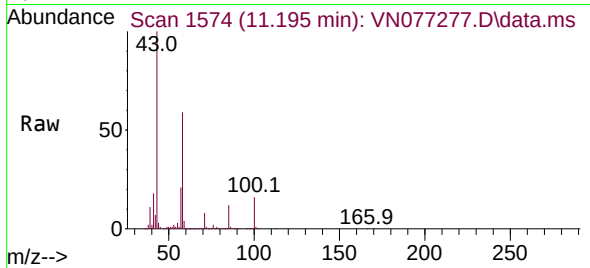






#59  
2-Hexanone  
Concen: 94.215 ug/l  
RT: 11.195 min Scan# 1574  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

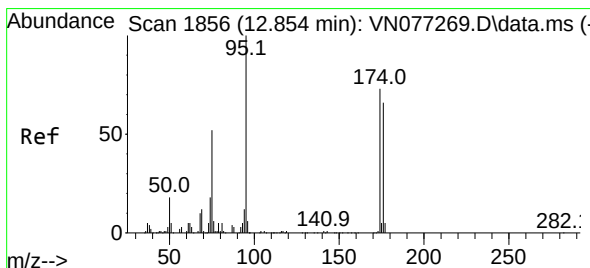
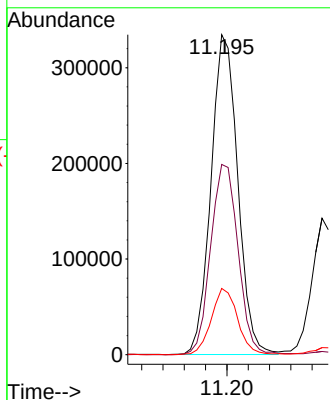
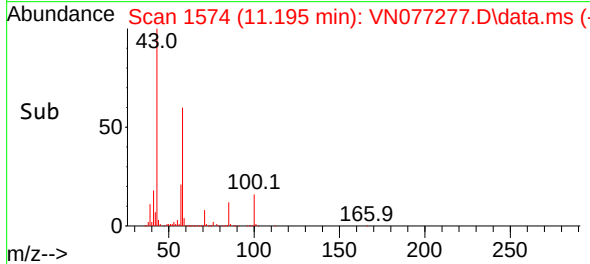
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



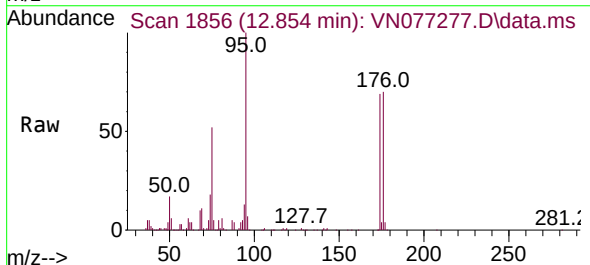
Tgt Ion: 43 Resp: 582930  
Ion Ratio Lower Upper  
43 100  
58 61.2 48.6 73.0  
57 20.5 16.7 25.1

Manual Integrations  
APPROVED

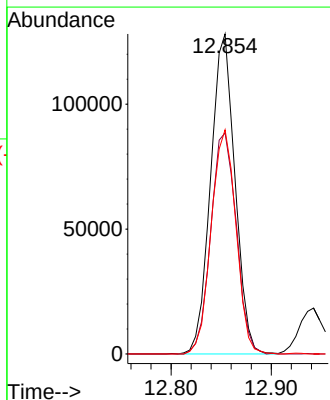
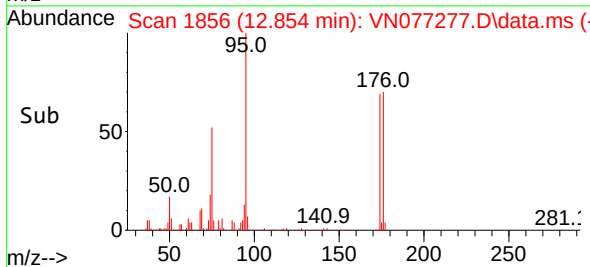
Reviewed By :John Carbone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

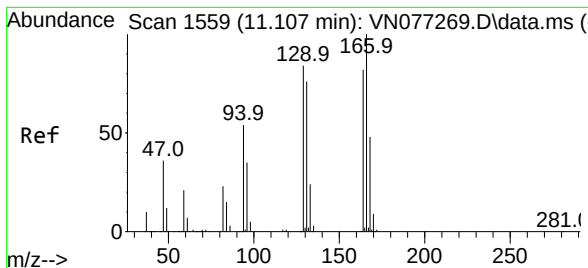


#60  
4-Bromofluorobenzene  
Concen: 29.257 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



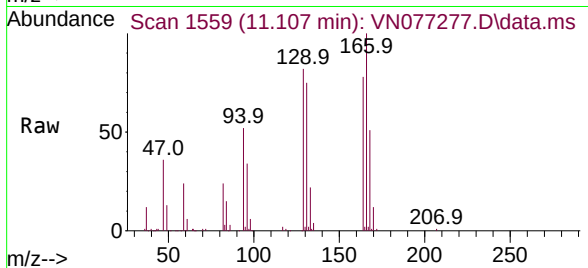
Tgt Ion: 95 Resp: 216275  
Ion Ratio Lower Upper  
95 100  
174 72.3 57.8 86.8  
176 71.2 54.6 81.8





#61  
Tetrachloroethene  
Concen: 17.749 ug/l  
RT: 11.107 min Scan# 1559  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

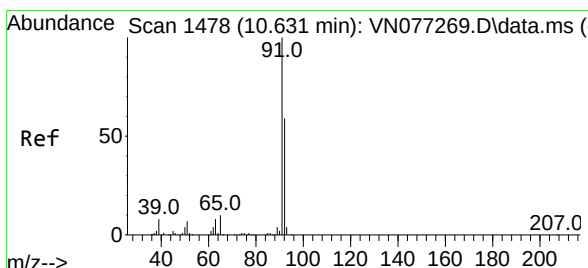
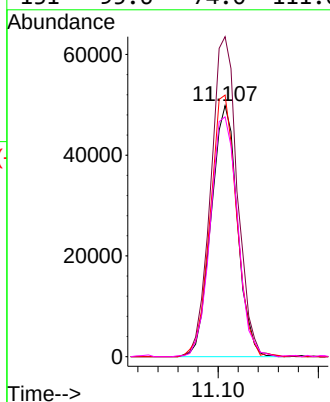
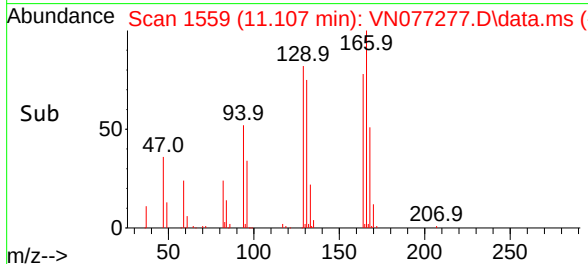
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



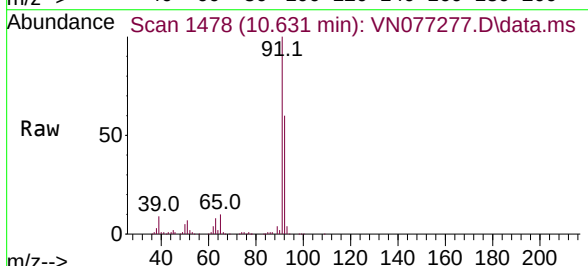
Tgt Ion:164 Resp: 90250  
Ion Ratio Lower Upper  
164 100  
166 127.5 97.9 146.9  
129 104.2 82.5 123.7  
131 95.6 74.0 111.0

Manual Integrations  
APPROVED

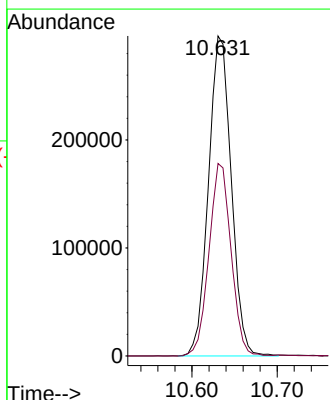
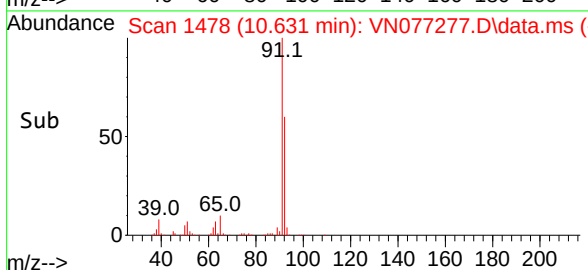
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

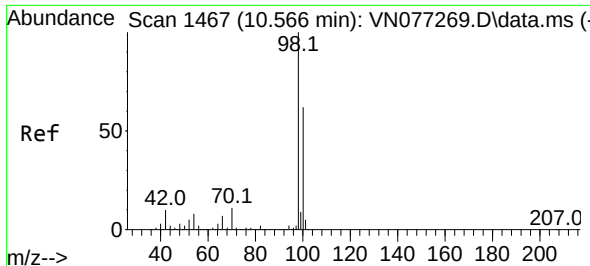


#62  
Toluene  
Concen: 18.437 ug/l  
RT: 10.631 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



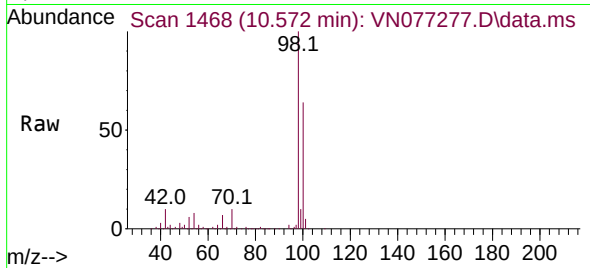
Tgt Ion: 91 Resp: 549970  
Ion Ratio Lower Upper  
91 100  
92 58.4 46.6 70.0





#63  
Toluene-d8  
Concen: 29.575 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. 0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

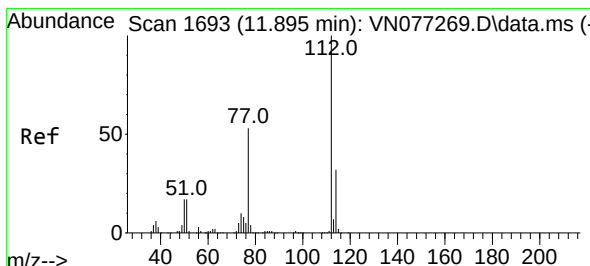
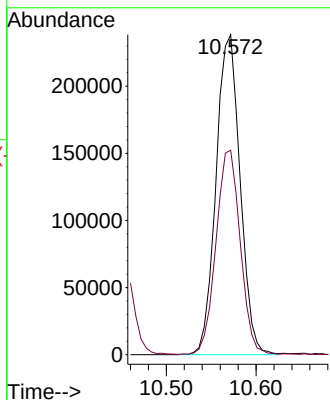
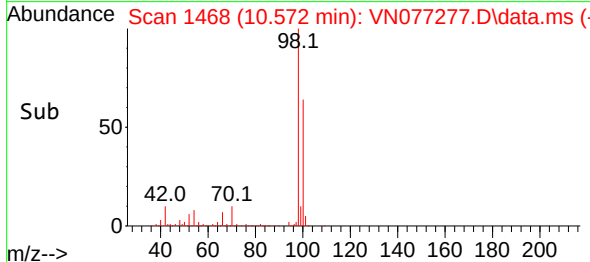
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



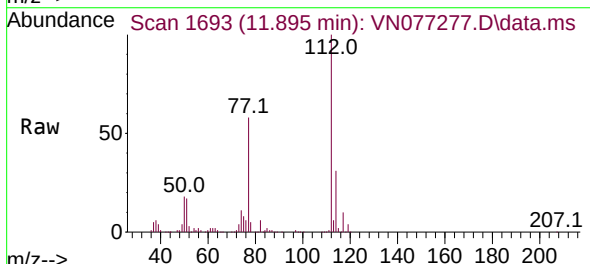
Tgt Ion: 98 Resp: 44448  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.4 77.2

Manual Integrations  
APPROVED

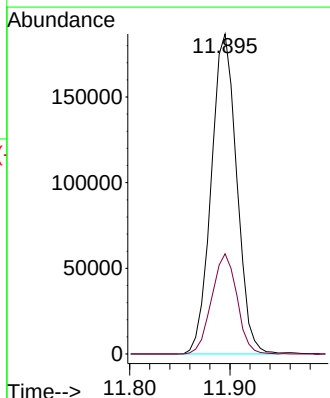
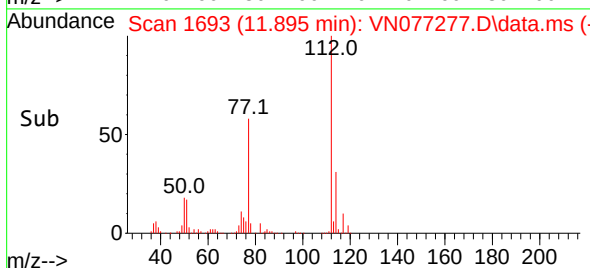
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

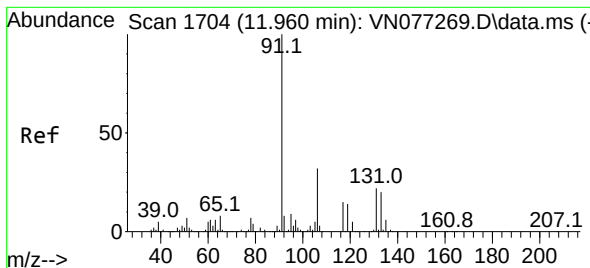


#64  
Chlorobenzene  
Concen: 18.199 ug/l  
RT: 11.895 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



Tgt Ion:112 Resp: 329804  
Ion Ratio Lower Upper  
112 100  
114 31.3 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.314 ug/l

RT: 11.966 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0407WBSD01

Tgt Ion:131 Resp: 128709

Ion Ratio Lower Upper

131 100

133 91.3 0.0 184.4

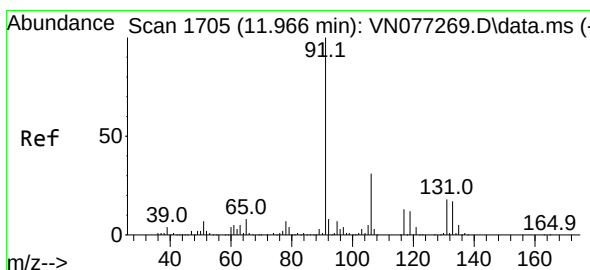
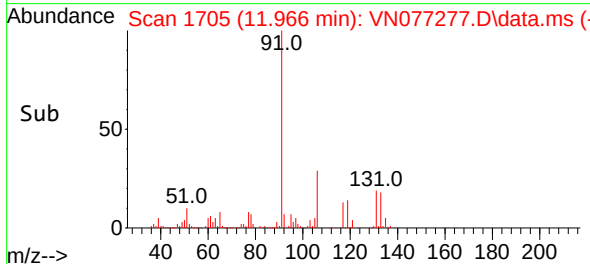
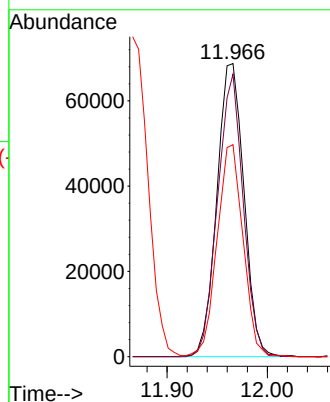
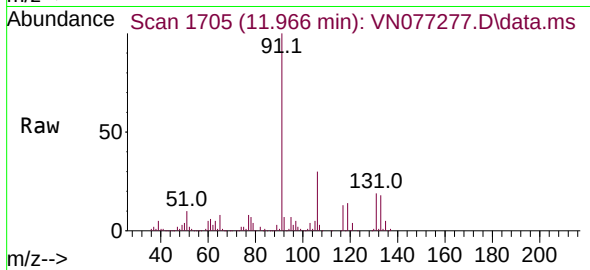
119 69.3 0.0 134.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/10/2023

Supervised By :Semsettin Yesilyurt 04/10/2023



#66

Ethyl Benzene

Concen: 18.554 ug/l

RT: 11.966 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VN077277.D

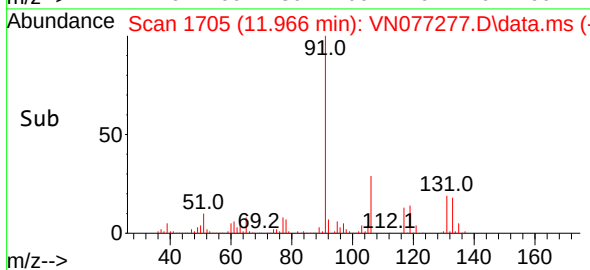
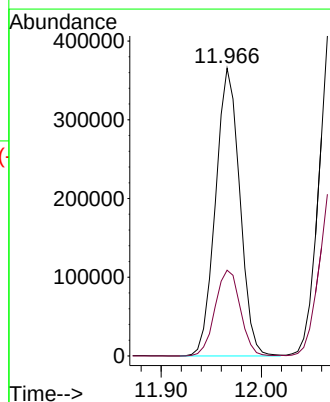
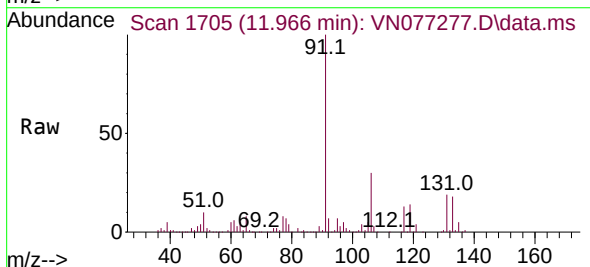
Acq: 07 Apr 2023 14:20

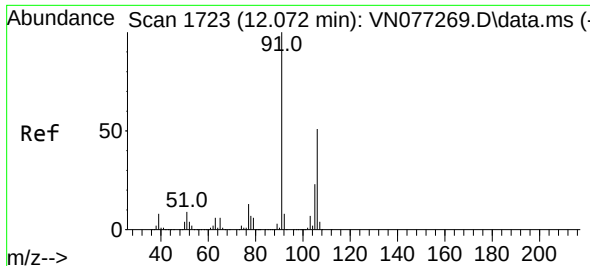
Tgt Ion: 91 Resp: 613134

Ion Ratio Lower Upper

91 100

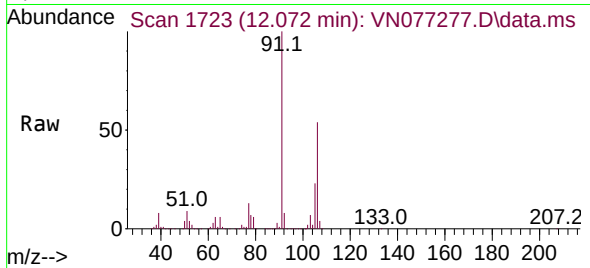
106 29.8 25.0 37.6





#67  
m/p-Xylenes  
Concen: 37.167 ug/l  
RT: 12.072 min Scan# 1723  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

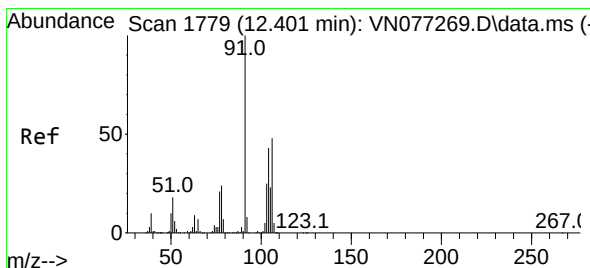
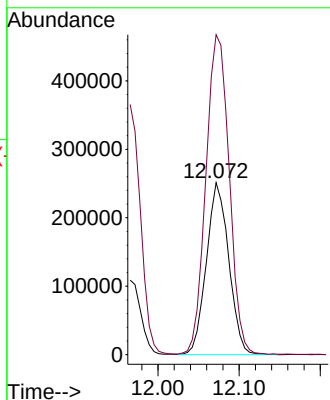
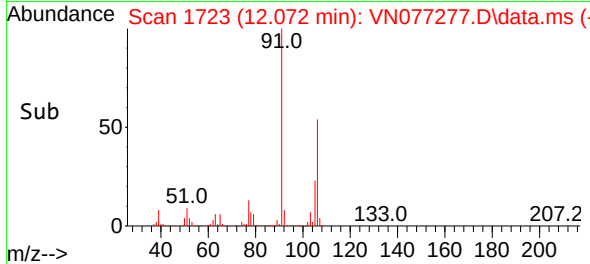
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



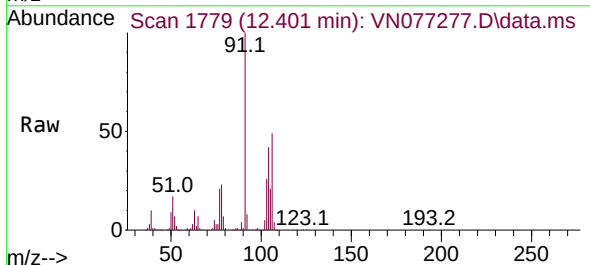
Tgt Ion:106 Resp: 481435  
Ion Ratio Lower Upper  
106 100  
91 194.1 158.0 237.0

Manual Integrations  
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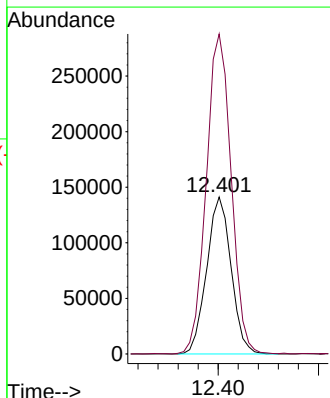
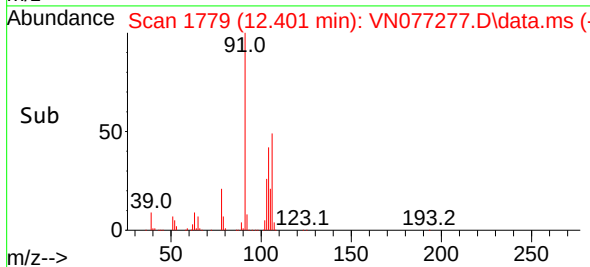
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

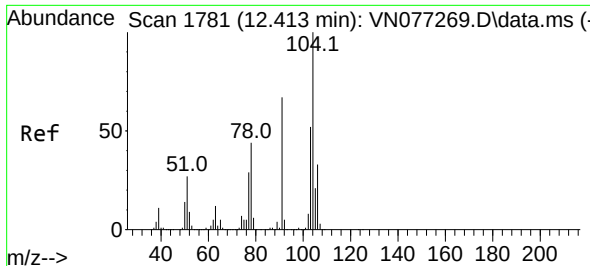


#68  
o-Xylene  
Concen: 18.442 ug/l  
RT: 12.401 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



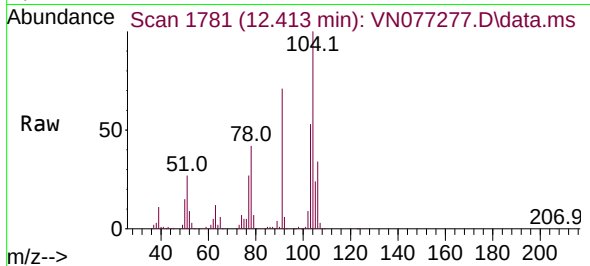
Tgt Ion:106 Resp: 238988  
Ion Ratio Lower Upper  
106 100  
91 207.8 103.6 310.8





#69  
Styrene  
Concen: 18.835 ug/l  
RT: 12.413 min Scan# 1781  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

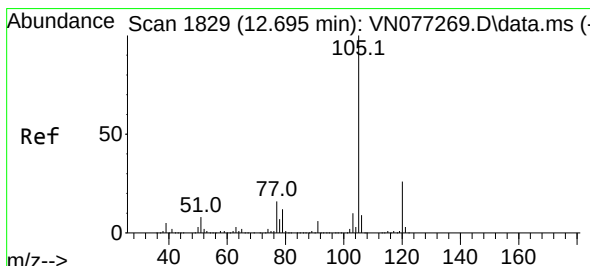
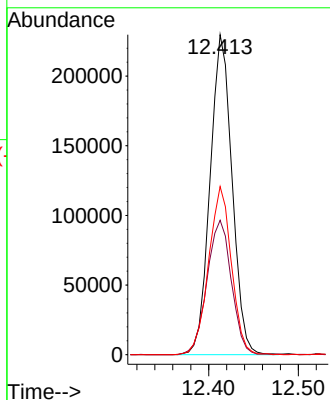
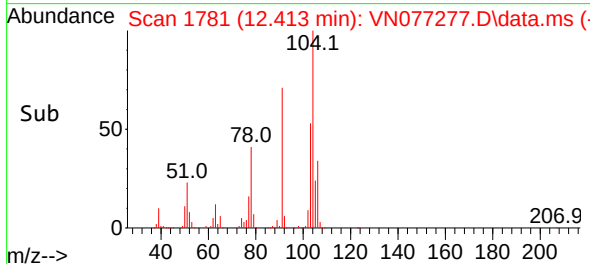
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



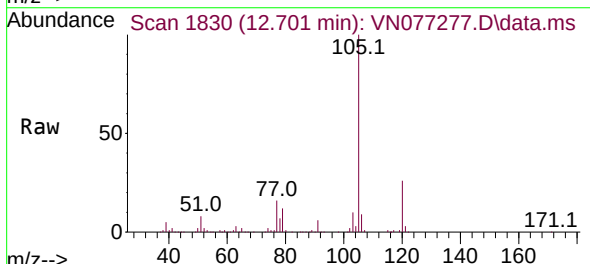
Tgt Ion:104 Resp: 391036  
Ion Ratio Lower Upper  
104 100  
78 46.5 38.2 57.4  
103 54.5 43.6 65.4

Manual Integrations  
APPROVED

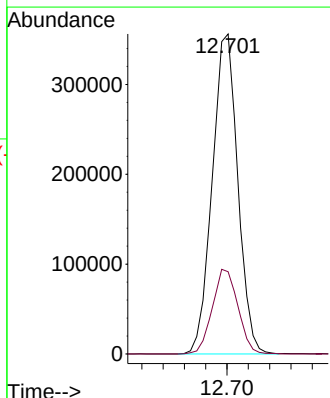
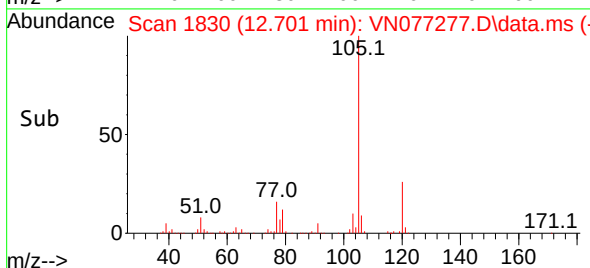
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

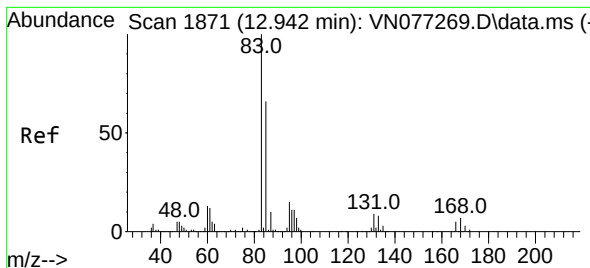


#70  
Isopropylbenzene  
Concen: 18.017 ug/l  
RT: 12.701 min Scan# 1830  
Delta R.T. 0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



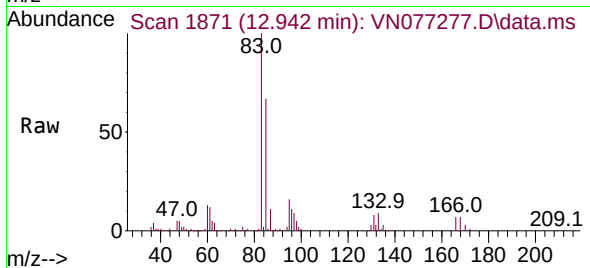
Tgt Ion:105 Resp: 592532  
Ion Ratio Lower Upper  
105 100  
120 26.5 18.3 34.1





#71  
1,1,2,2-Tetrachloroethane  
Concen: 19.672 ug/l  
RT: 12.942 min Scan# 1871  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

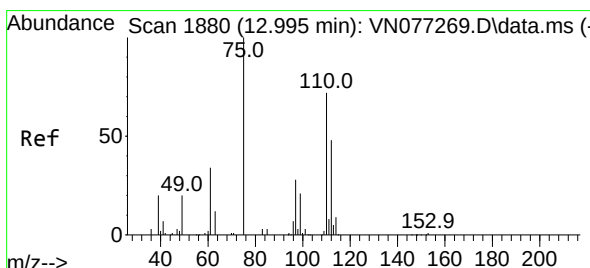
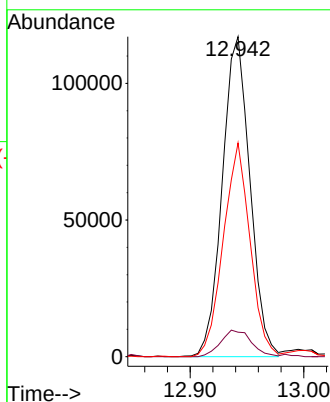
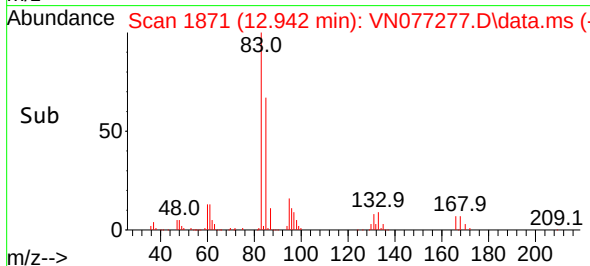
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



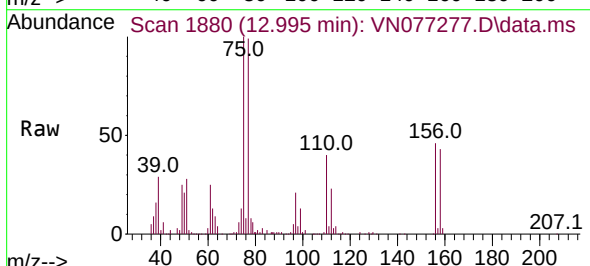
Tgt Ion: 83 Resp: 19812  
Ion Ratio Lower Upper  
83 100  
131 9.2 4.7 14.0  
85 64.5 32.3 96.8

Manual Integrations  
APPROVED

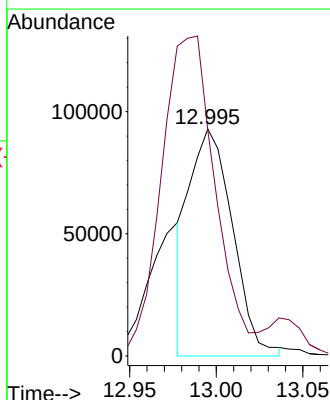
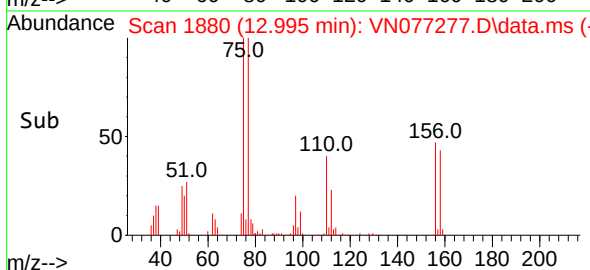
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

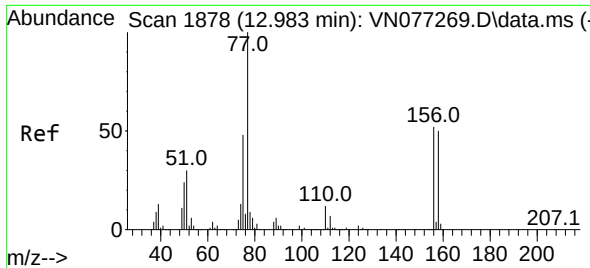


#72  
1,2,3-Trichloropropane  
Concen: 23.658 ug/l m  
RT: 12.995 min Scan# 1880  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



Tgt Ion: 75 Resp: 161963  
Ion Ratio Lower Upper  
75 100  
77 174.0 0.0 434.2





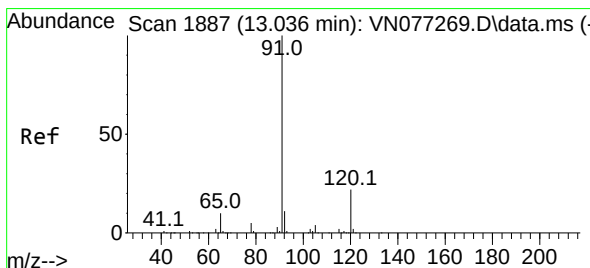
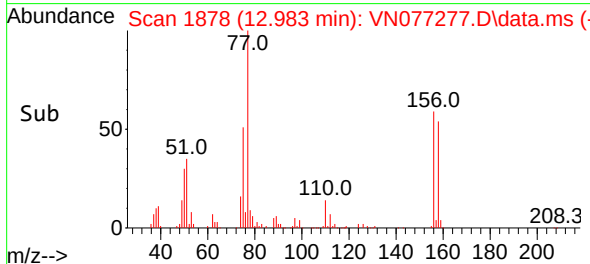
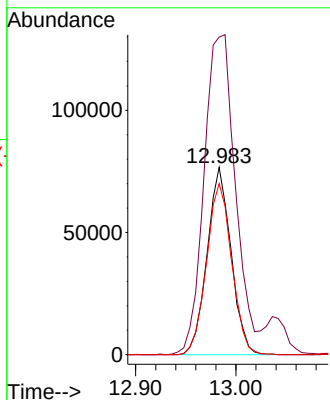
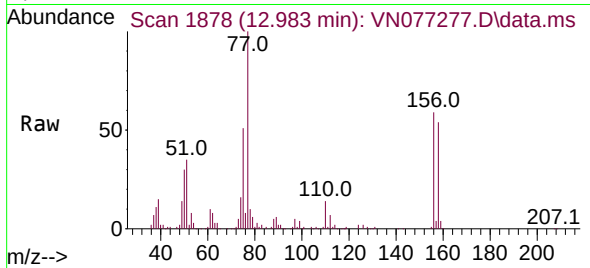
#73  
Bromobenzene  
Concen: 19.013 ug/l  
RT: 12.983 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01

Tgt Ion:156 Resp: 127035  
Ion Ratio Lower Upper  
156 100  
77 221.8 0.0 456.6  
158 95.7 0.0 195.6

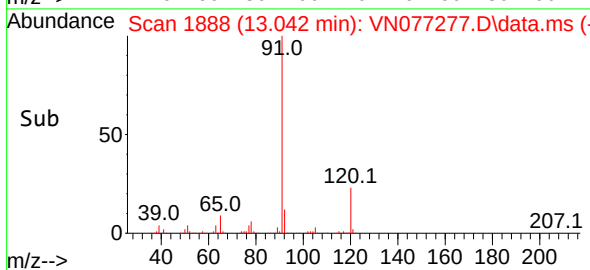
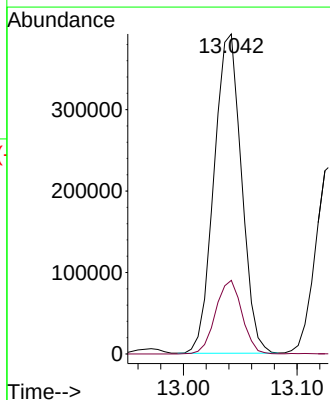
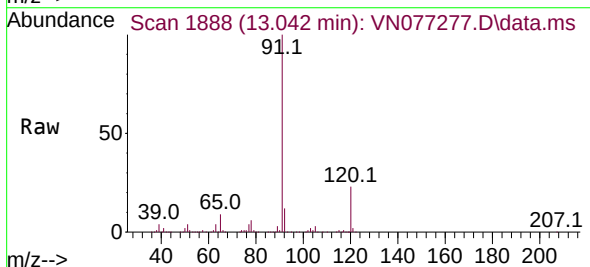
Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

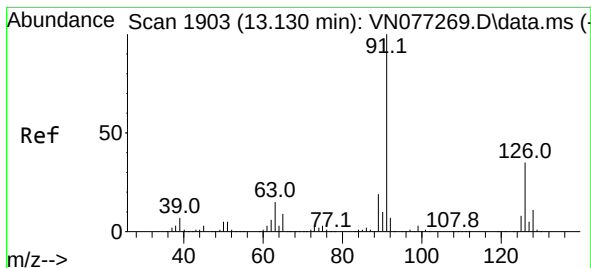


#74  
n-propylbenzene  
Concen: 18.106 ug/l  
RT: 13.042 min Scan# 1888  
Delta R.T. 0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Tgt Ion: 91 Resp: 658818  
Ion Ratio Lower Upper  
91 100  
120 22.2 0.0 45.6







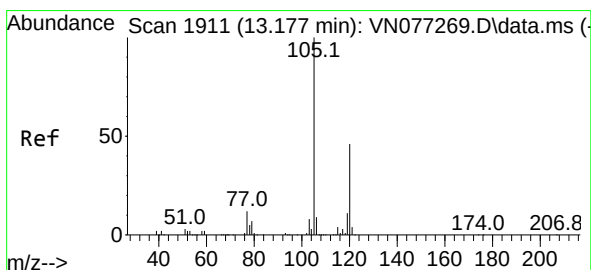
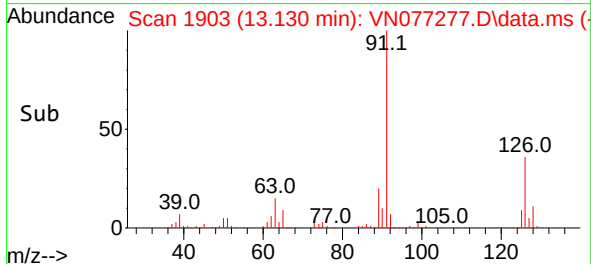
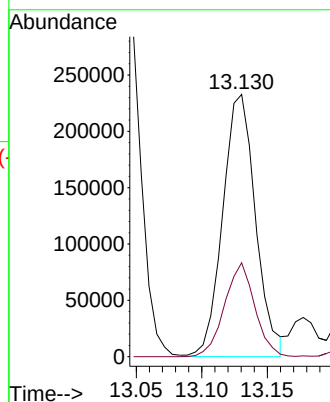
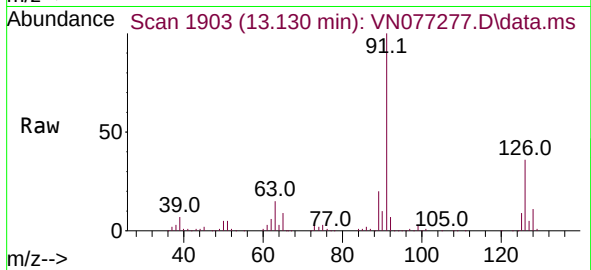
#75  
2-Chlorotoluene  
Concen: 18.570 ug/l  
RT: 13.130 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01

Tgt Ion: 91 Resp: 40480  
Ion Ratio Lower Upper  
91 100  
126 33.0 0.0 67.0

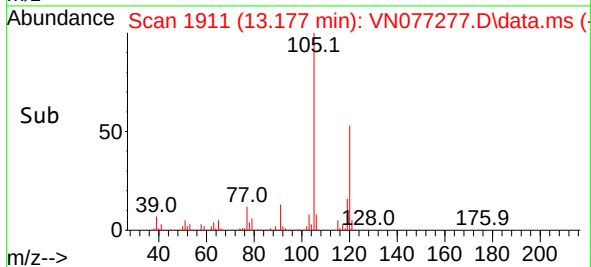
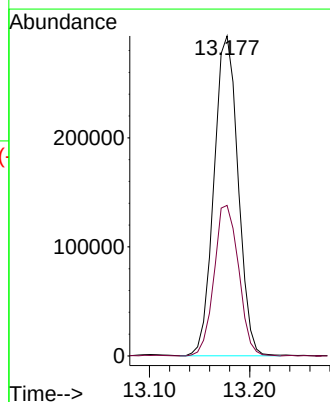
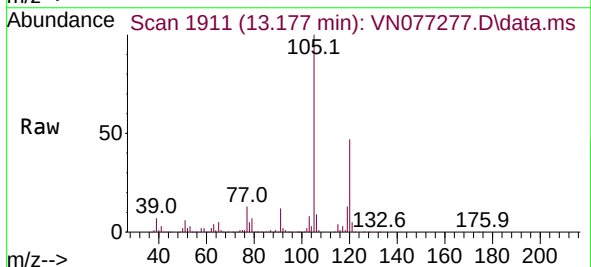
Manual Integrations  
APPROVED

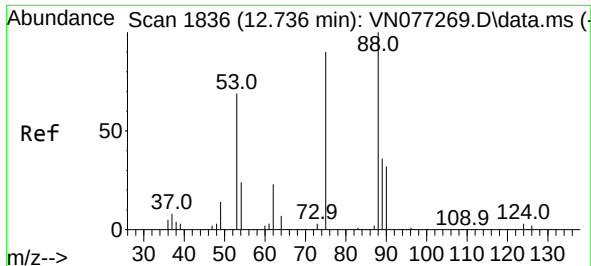
Reviewed By :John Carbone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#76  
1,3,5-Trimethylbenzene  
Concen: 18.308 ug/l  
RT: 13.177 min Scan# 1911  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Tgt Ion:105 Resp: 490052  
Ion Ratio Lower Upper  
105 100  
120 47.9 0.0 94.4





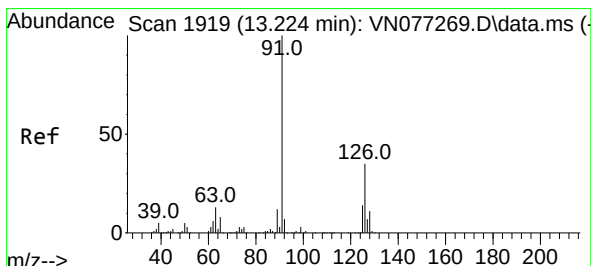
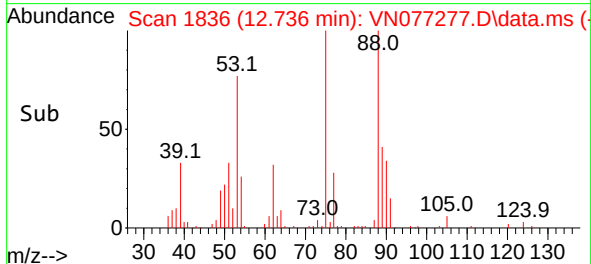
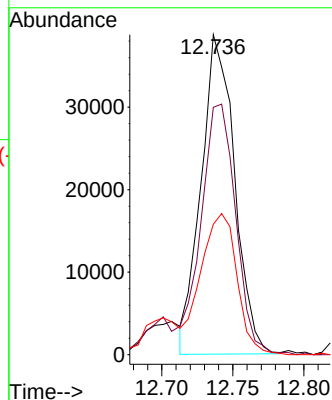
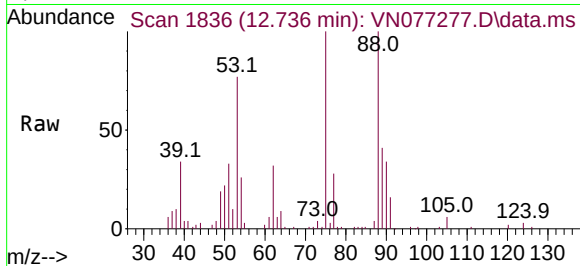
#77  
t-1,4-Dichloro-2-butene  
Concen: 18.175 ug/l  
RT: 12.736 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01

Tgt Ion: 75 Resp: 63370  
Ion Ratio Lower Upper  
75 100  
53 77.1 38.8 116.4  
89 40.6 23.2 69.6

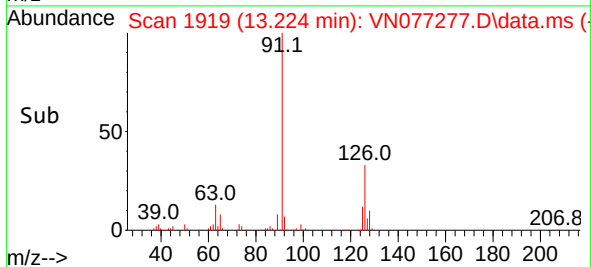
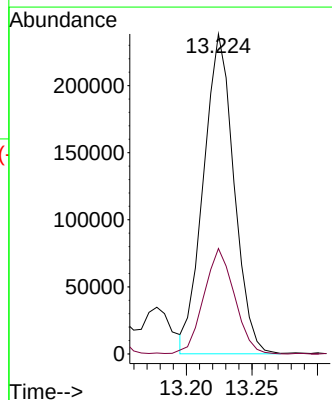
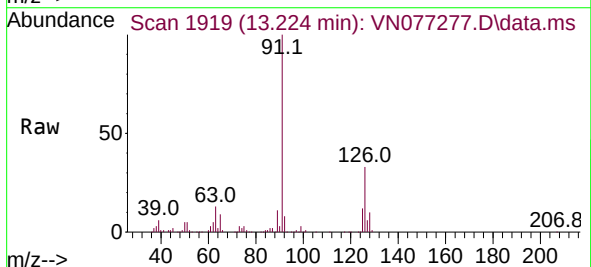
Manual Integrations  
APPROVED

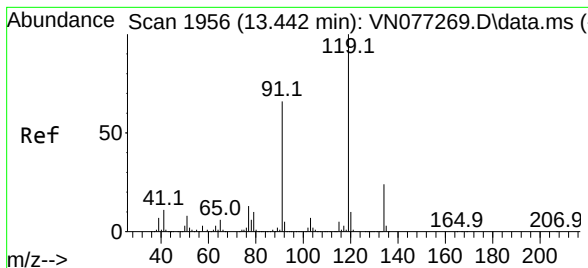
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#78  
4-Chlorotoluene  
Concen: 18.724 ug/l  
RT: 13.224 min Scan# 1919  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

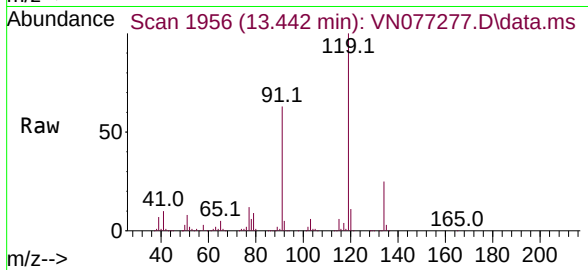
Tgt Ion: 91 Resp: 385649  
Ion Ratio Lower Upper  
91 100  
126 33.1 0.0 67.4





#79  
tert-butylbenzene  
Concen: 18.210 ug/l  
RT: 13.442 min Scan# 1956  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

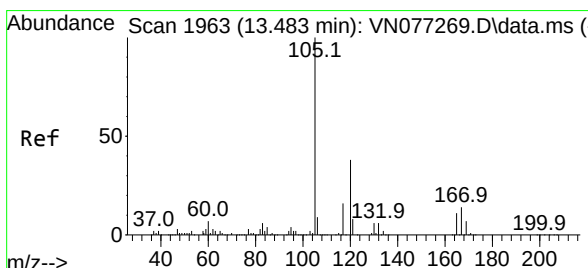
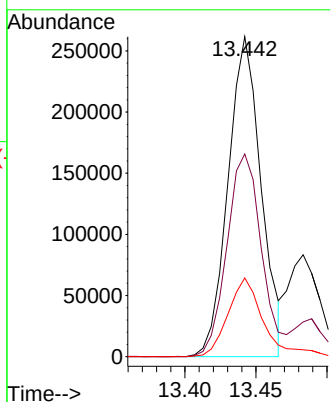
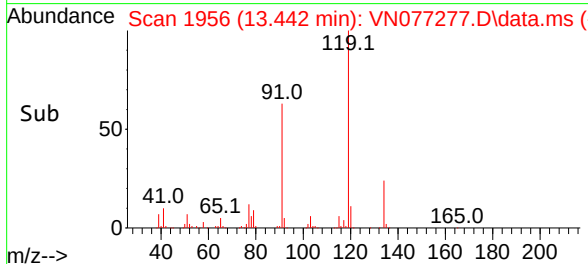
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



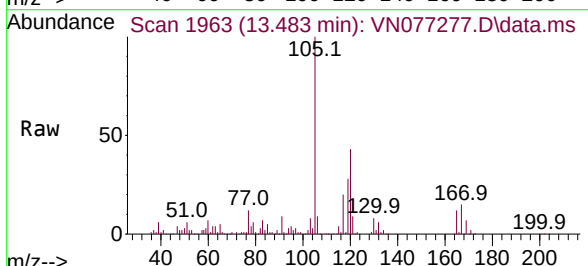
Tgt Ion:119 Resp: 424200  
Ion Ratio Lower Upper  
119 100  
91 66.5 0.0 131.0  
134 26.5 0.0 49.8

Manual Integrations  
APPROVED

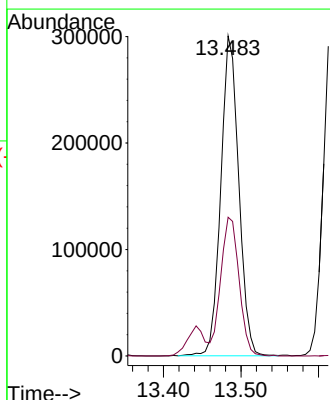
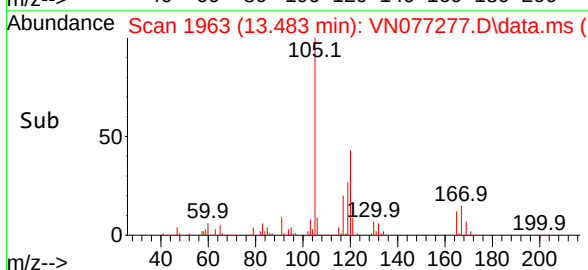
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

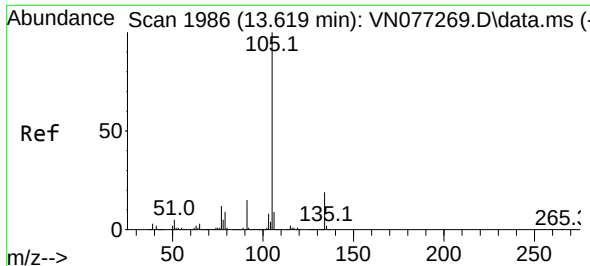


#80  
1,2,4-Trimethylbenzene  
Concen: 18.542 ug/l  
RT: 13.483 min Scan# 1963  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



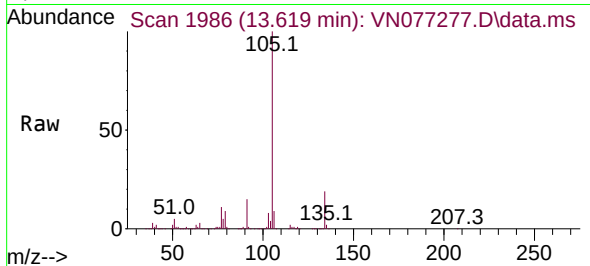
Tgt Ion:105 Resp: 483810  
Ion Ratio Lower Upper  
105 100  
120 44.2 0.0 91.0





#81  
 sec-Butylbenzene  
 Concen: 18.143 ug/l  
 RT: 13.619 min Scan# 1986  
 Delta R.T. -0.000 min  
 Lab File: VN077277.D  
 Acq: 07 Apr 2023 14:20

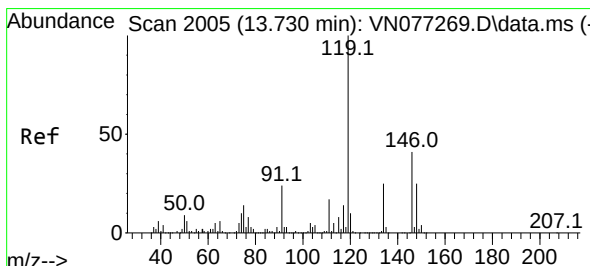
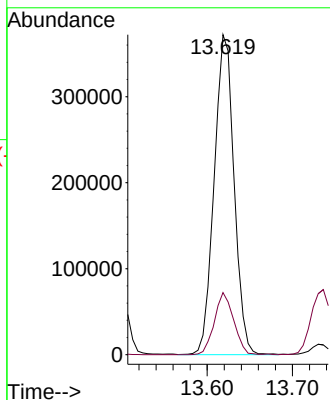
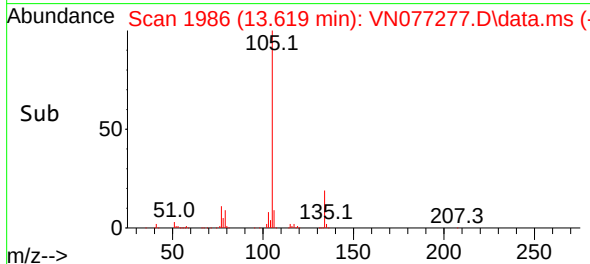
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0407WBSD01



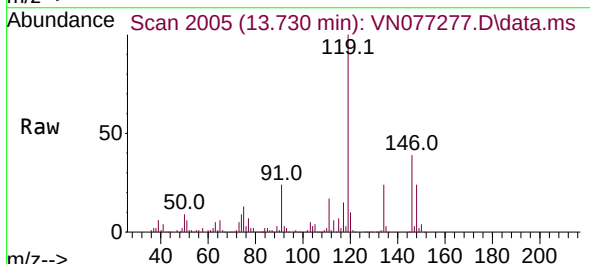
Tgt Ion:105 Resp: 603602  
 Ion Ratio Lower Upper  
 105 100  
 134 18.8 0.0 38.6

Manual Integrations  
 APPROVED

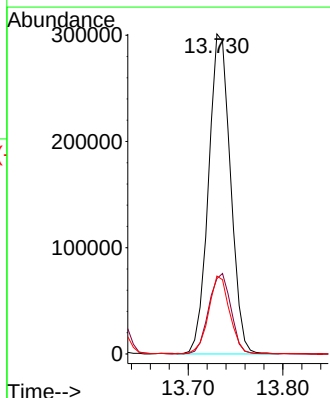
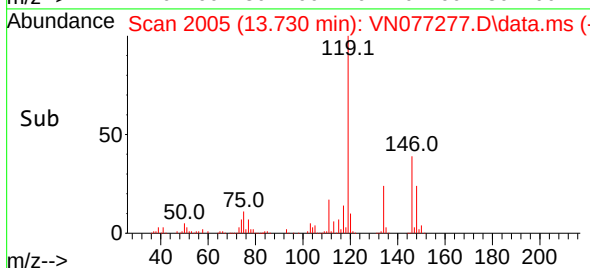
Reviewed By :John Carlone 04/10/2023  
 Supervised By :Semsettin Yesilyurt 04/10/2023

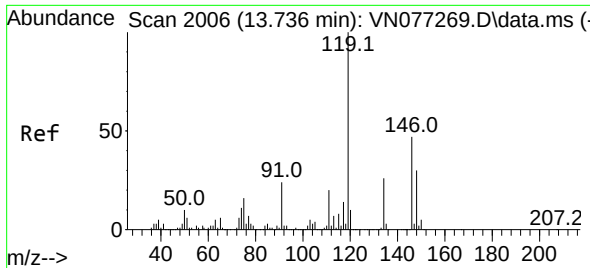


#82  
 p-Isopropyltoluene  
 Concen: 18.254 ug/l  
 RT: 13.730 min Scan# 2005  
 Delta R.T. -0.000 min  
 Lab File: VN077277.D  
 Acq: 07 Apr 2023 14:20



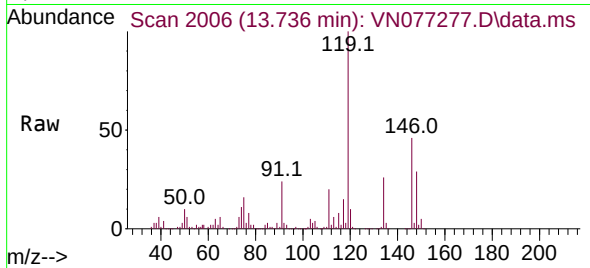
Tgt Ion:119 Resp: 486547  
 Ion Ratio Lower Upper  
 119 100  
 134 25.3 0.0 51.0  
 91 23.4 0.0 48.0





#83  
1,3-Dichlorobenzene  
Concen: 18.323 ug/l  
RT: 13.736 min Scan# 2006  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

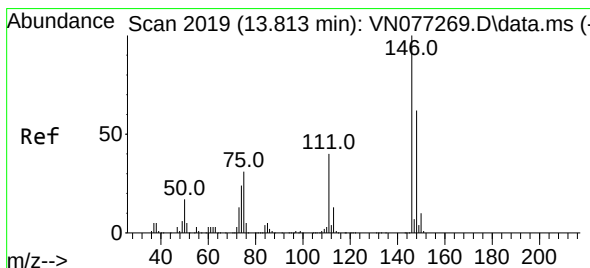
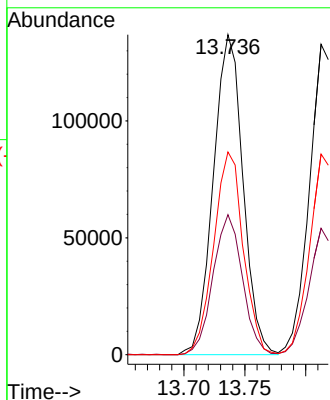
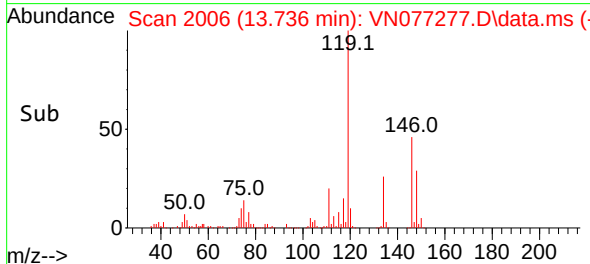
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



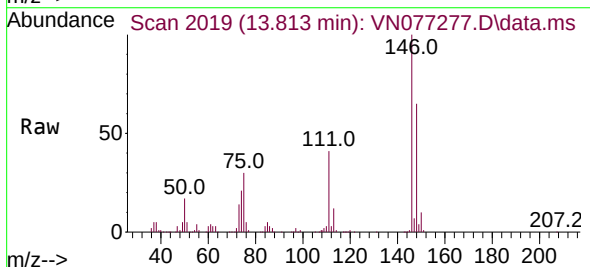
Tgt Ion:146 Resp: 232127  
Ion Ratio Lower Upper  
146 100  
111 43.3 21.4 64.2  
148 63.2 31.9 95.5

Manual Integrations  
APPROVED

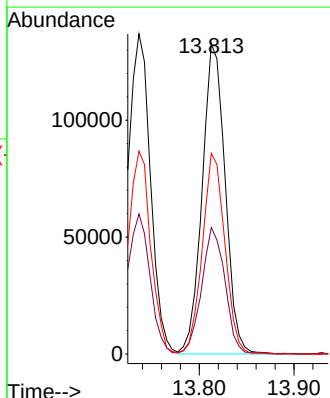
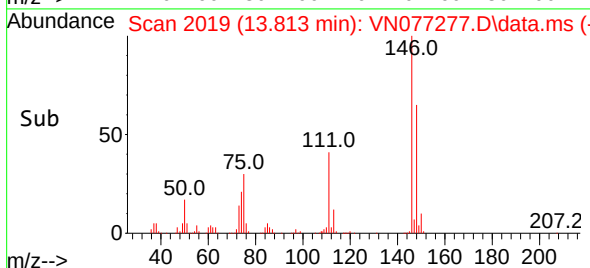
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023

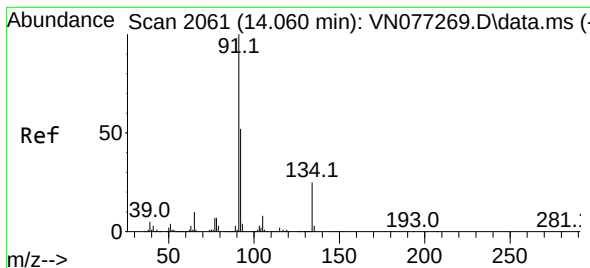


#84  
1,4-Dichlorobenzene  
Concen: 18.223 ug/l  
RT: 13.813 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



Tgt Ion:146 Resp: 223983  
Ion Ratio Lower Upper  
146 100  
111 41.2 20.3 61.0  
148 63.2 31.6 94.7





#85

n-Butylbenzene

Concen: 17.751 ug/l

RT: 14.060 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0407WBSD01

Tgt Ion: 91 Resp: 39097

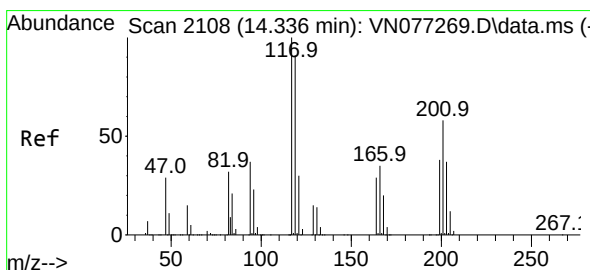
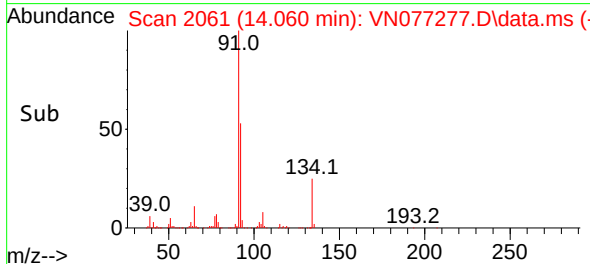
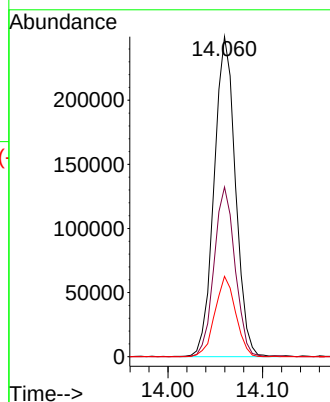
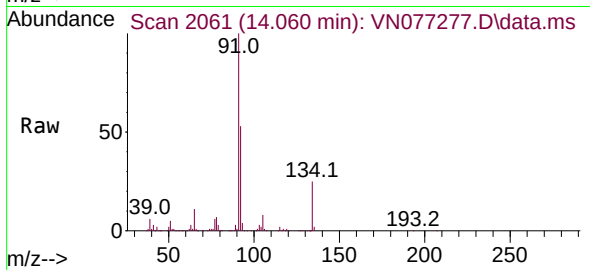
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 52.0  | 0.0   | 105.6 |
| 134 | 24.4  | 0.0   | 49.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/10/2023

Supervised By :Semsettin Yesilyurt 04/10/2023



#86

Hexachloroethane

Concen: 17.607 ug/l

RT: 14.336 min Scan# 2108

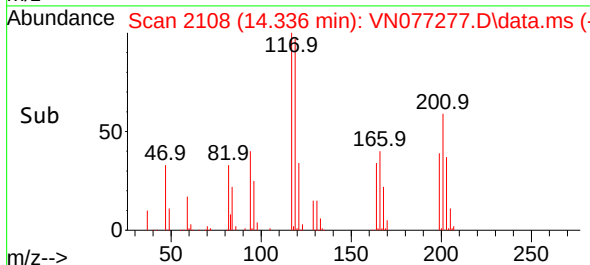
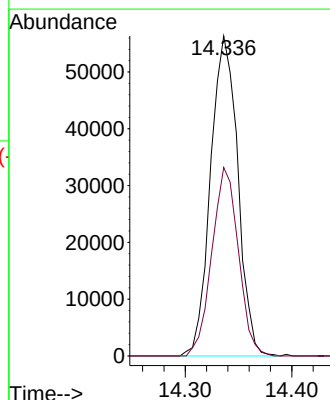
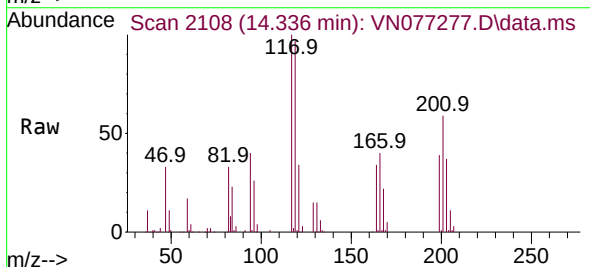
Delta R.T. -0.000 min

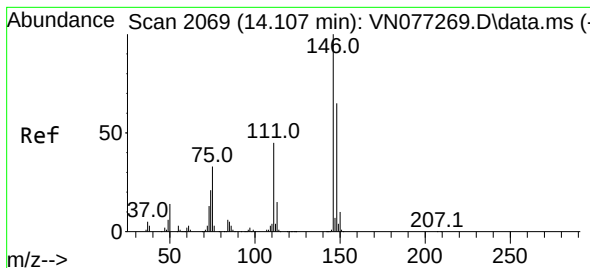
Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

Tgt Ion:117 Resp: 99830

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 57.4  | 29.1  | 87.4  |





#87

1,2-Dichlorobenzene

Concen: 18.657 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0407WBSD01

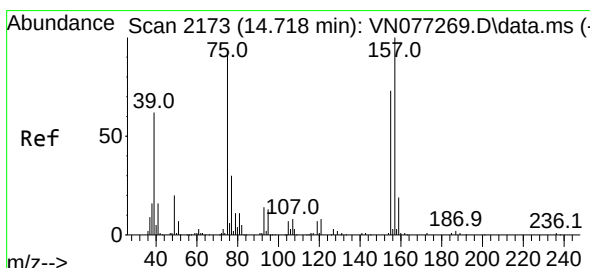
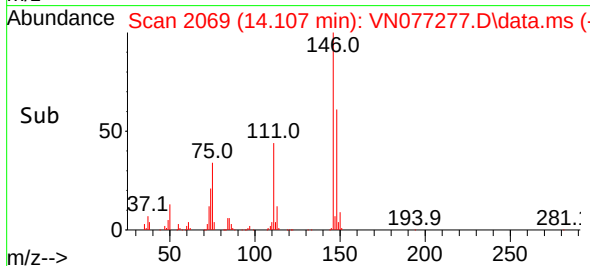
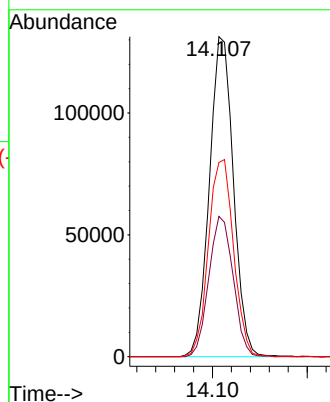
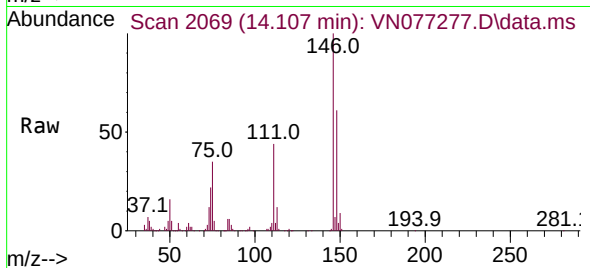
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 23159 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 44.3  | 22.1  | 66.5  |
| 148       | 64.4  | 31.9  | 95.7  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/10/2023

Supervised By :Semsettin Yesilyurt 04/10/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.610 ug/l

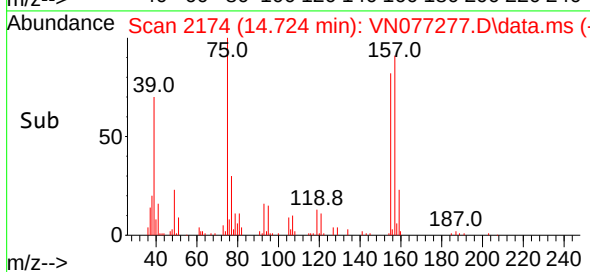
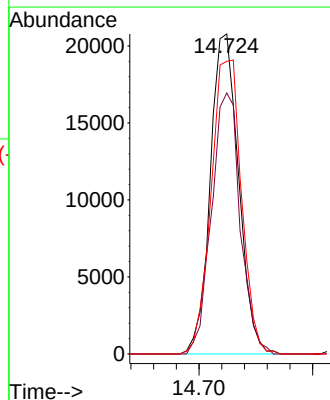
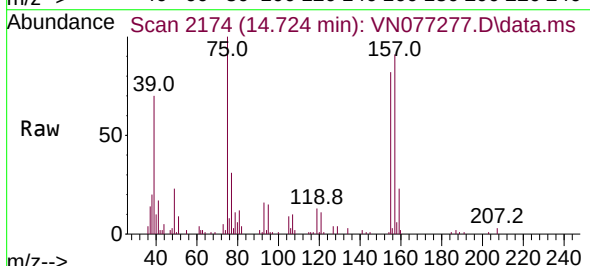
RT: 14.724 min Scan# 2174

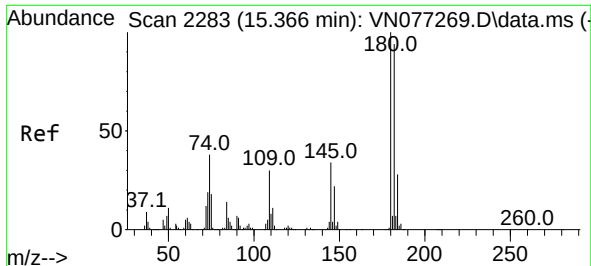
Delta R.T. 0.006 min

Lab File: VN077277.D

Acq: 07 Apr 2023 14:20

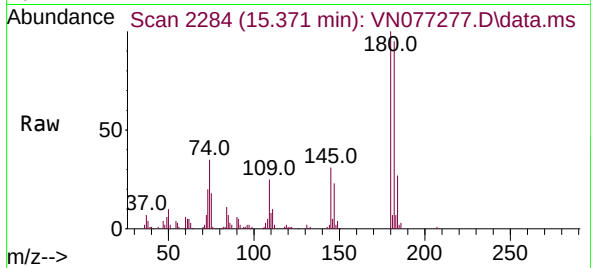
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 35916 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 82.9  | 67.8  | 101.6 |
| 157       | 98.8  | 86.3  | 129.5 |





#89  
1,2,4-Trichlorobenzene  
Concen: 17.169 ug/l  
RT: 15.371 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

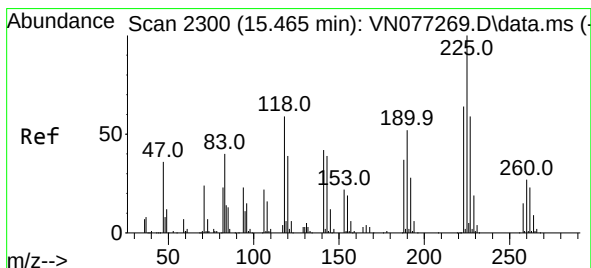
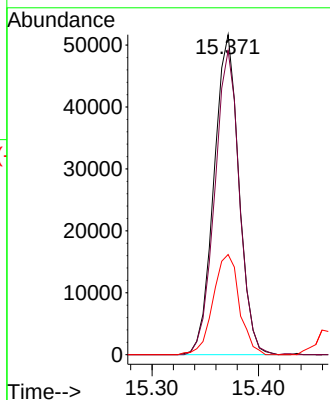
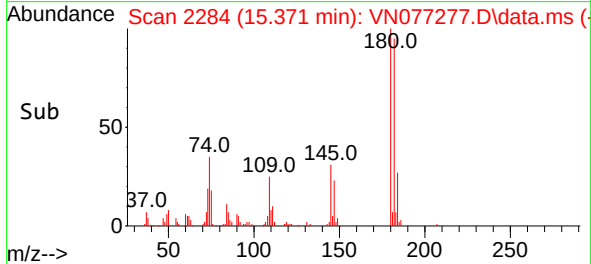
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



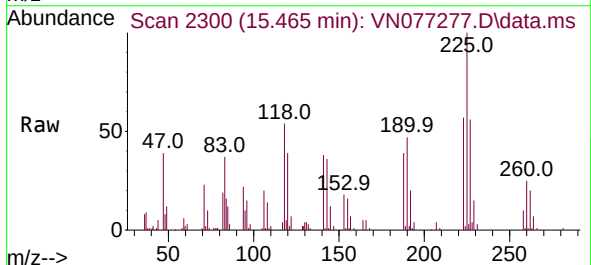
Tgt Ion:180 Resp: 83832  
Ion Ratio Lower Upper  
180 100  
182 94.0 75.6 113.4  
145 33.0 26.7 40.1

Manual Integrations  
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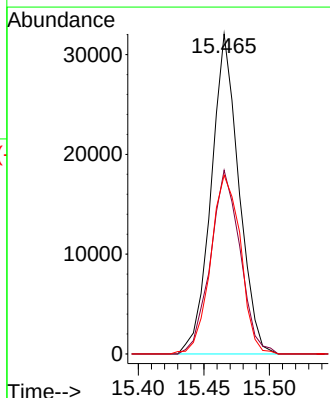
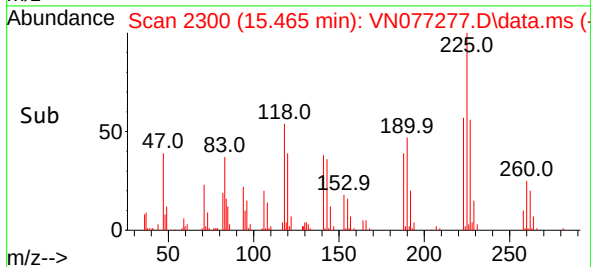
Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



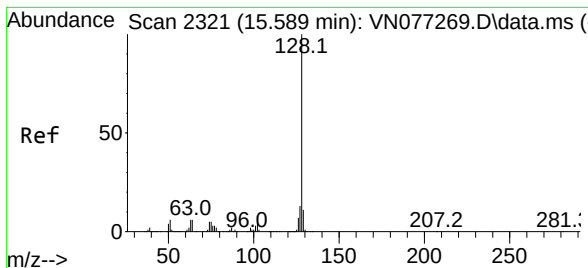
#90  
Hexachlorobutadiene  
Concen: 18.823 ug/l  
RT: 15.465 min Scan# 2300  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



Tgt Ion:225 Resp: 47137  
Ion Ratio Lower Upper  
225 100  
223 61.4 0.0 126.0  
227 60.2 0.0 127.2

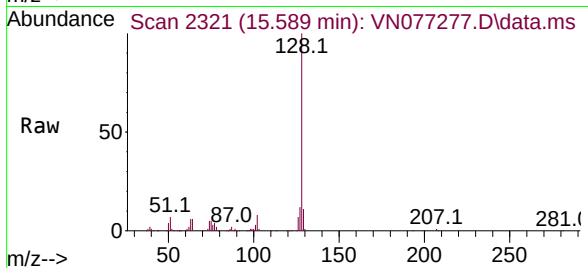






#91  
Naphthalene  
Concen: 17.626 ug/l  
RT: 15.589 min Scan# 2321  
Delta R.T. -0.000 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20

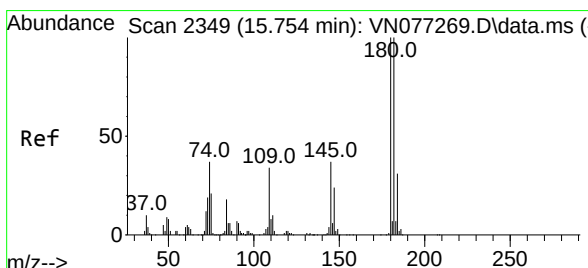
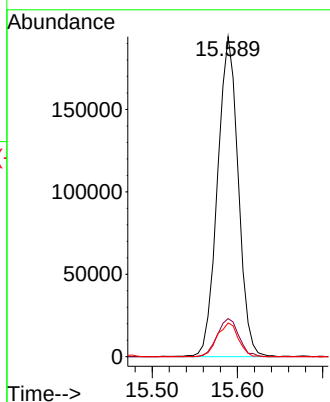
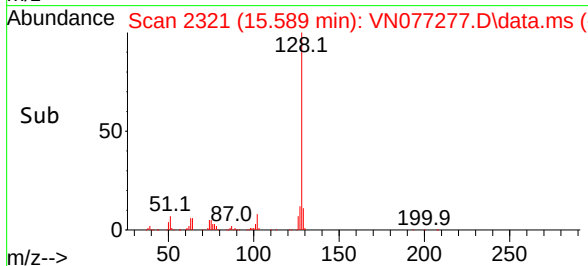
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0407WBSD01



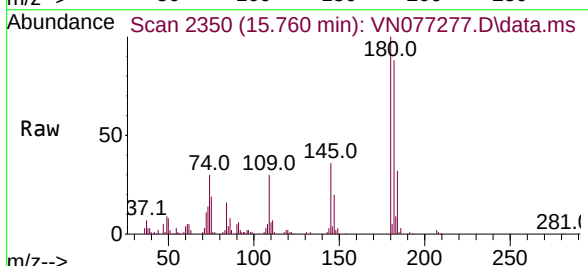
Tgt Ion:128 Resp: 32878  
Ion Ratio Lower Upper  
128 100  
127 12.4 10.2 15.2  
129 10.8 8.9 13.3

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/10/2023  
Supervised By :Semsettin Yesilyurt 04/10/2023



#92  
1,2,3-Trichlorobenzene  
Concen: 16.602 ug/l  
RT: 15.760 min Scan# 2350  
Delta R.T. 0.006 min  
Lab File: VN077277.D  
Acq: 07 Apr 2023 14:20



Tgt Ion:180 Resp: 79097  
Ion Ratio Lower Upper  
180 100  
182 93.5 0.0 190.4  
145 35.5 0.0 72.4

