

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110921\  
 Data File : VN069414.D  
 Acq On : 9 Nov 2021 9:51  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/10/2021  
 Supervised By : Semsettin Yesilyurt 11/17/2021

Quant Time: Nov 09 13:43:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 13:40:38 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.086  | 168  | 961529   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.968  | 114  | 1664156  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.746 | 117  | 1436882  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.677 | 152  | 479924   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 0.000  | 65    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 61 - 141 | Recovery | =    | 0.000%# |
| 35) Dibromofluoromethane  | 0.000  | 113   | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 69 - 133 | Recovery | =    | 0.000%# |
| 50) Toluene-d8            | 0.000  | 98    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 65 - 126 | Recovery | =    | 0.000%# |
| 62) 4-Bromofluorobenzene  | 0.000  | 95    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 58 - 135 | Recovery | =    | 0.000%# |

## Target Compounds

|                              |       |     |         |       |        | Qvalue |
|------------------------------|-------|-----|---------|-------|--------|--------|
| 2) Dichlorodifluoromethane   | 2.070 | 85  | 8867    | 1.030 | ug/l   | 99     |
| 3) Chloromethane             | 2.306 | 50  | 13145   | 1.430 | ug/l # | 86     |
| 4) Vinyl Chloride            | 2.445 | 62  | 11940   | 1.118 | ug/l   | 98     |
| 6) Chloroethane              | 3.027 | 64  | 8972    | 1.226 | ug/l   | 97     |
| 7) Trichlorofluoromethane    | 3.379 | 101 | 18483   | 0.971 | ug/l   | 98     |
| 8) Diethyl Ether             | 3.835 | 74  | 6374m   | 1.325 | ug/l   |        |
| 9) 1,1,2-Trichlorotrifluo... | 4.221 | 101 | 8679    | 1.157 | ug/l # | 68     |
| 12) 1,1-Dichloroethene       | 4.175 | 96  | 7374    | 1.065 | ug/l   | 91     |
| 14) Allyl chloride           | 4.843 | 41  | 17064m  | 1.333 | ug/l   |        |
| 15) Acrylonitrile            | 5.567 | 53  | 29162   | 5.957 | ug/l   | 97     |
| 16) Acetone                  | 4.291 | 43  | 36492   | 6.656 | ug/l   | 100    |
| 17) Carbon Disulfide         | 4.532 | 76  | 17760   | 1.130 | ug/l   | 98     |
| 18) Methyl Acetate           | 4.862 | 43  | 25320   | 1.385 | ug/l # | 63     |
| 19) Methyl tert-butyl Ether  | 5.624 | 73  | 30516   | 1.116 | ug/l   | 97     |
| 20) Methylene Chloride       | 5.098 | 84  | 12570   | 1.358 | ug/l   | 87     |
| 21) trans-1,2-Dichloroethene | 5.597 | 96  | 8569m   | 1.124 | ug/l   |        |
| 22) Diisopropyl ether        | 6.503 | 45  | 33722   | 1.233 | ug/l # | 91     |
| 23) Vinyl Acetate            | 6.436 | 43  | 123296m | 5.849 | ug/l   |        |
| 24) 1,1-Dichloroethane       | 6.385 | 63  | 18529m  | 1.232 | ug/l   |        |
| 25) 2-Butanone               | 7.340 | 43  | 44460   | 6.118 | ug/l # | 86     |
| 26) 2,2-Dichloropropane      | 7.335 | 77  | 12132m  | 0.962 | ug/l   |        |
| 27) cis-1,2-Dichloroethene   | 7.324 | 96  | 10233   | 1.080 | ug/l   | 83     |
| 28) Bromochloromethane       | 7.654 | 49  | 10234   | 1.290 | ug/l # | 79     |
| 29) Tetrahydrofuran          | 7.697 | 42  | 25007   | 5.549 | ug/l   | 93     |
| 30) Chloroform               | 7.823 | 83  | 18296   | 1.125 | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane    | 8.010 | 97  | 14291   | 1.023 | ug/l # | 49     |
| 36) 1,1-Dichloropropene      | 8.220 | 75  | 12949   | 1.027 | ug/l   | 90     |
| 37) Ethyl Acetate            | 7.415 | 43  | 15356   | 1.008 | ug/l # | 79     |
| 38) Carbon Tetrachloride     | 8.201 | 117 | 11763m  | 0.925 | ug/l   |        |
| 39) Methylcyclohexane        | 9.461 | 83  | 15523   | 0.979 | ug/l   | 99     |
| 40) Benzene                  | 8.456 | 78  | 41303   | 1.065 | ug/l   | 99     |
| 41) Methacrylonitrile        | 7.640 | 41  | 9969    | 1.359 | ug/l # | 69     |
| 42) 1,2-Dichloroethane       | 8.531 | 62  | 16152   | 1.120 | ug/l   | 89     |
| 43) Isopropyl Acetate        | 8.563 | 43  | 24859   | 1.048 | ug/l # | 88     |
| 44) Trichloroethene          | 9.212 | 130 | 9122    | 0.900 | ug/l   | 93     |
| 45) 1,2-Dichloropropane      | 9.486 | 63  | 10542   | 1.051 | ug/l # | 77     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110921\  
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 Acq On : 9 Nov 2021 9:51  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

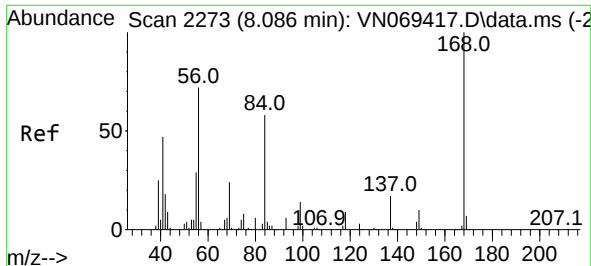
Reviewed By : John Carlone 11/10/2021  
 Supervised By : Semsettin Yesilyurt 11/17/2021

Quant Time: Nov 09 13:43:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 13:40:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 9.579  | 93   | 7353     | 1.052  | ug/l # | 82       |
| 47) Bromodichloromethane      | 9.765  | 83   | 11292    | 0.885  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.561  | 41   | 11633    | 1.085  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.577  | 88   | 3585     | 15.397 | ug/l # | 71       |
| 51) 4-Methyl-2-Pentanone      | 10.330 | 43   | 78420    | 5.093  | ug/l   | 92       |
| 52) Toluene                   | 10.505 | 92   | 23286    | 0.937  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.719 | 75   | 10196    | 0.772  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 12071    | 0.834  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.896 | 97   | 9166     | 0.912  | ug/l   | 90       |
| 56) Ethyl methacrylate        | 10.765 | 69   | 12889    | 0.847  | ug/l # | 79       |
| 57) 1,3-Dichloropropane       | 11.041 | 76   | 17327    | 1.029  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.041 | 63   | 11514    | 3.437  | ug/l   | 95       |
| 59) 2-Hexanone                | 11.087 | 43   | 51629    | 4.517  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.237 | 129  | 7061     | 0.746  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 8468     | 0.829  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.979 | 164  | 8979     | 1.015  | ug/l # | 86       |
| 65) Chlorobenzene             | 11.771 | 112  | 25134    | 0.982  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 7737     | 0.859  | ug/l # | 67       |
| 67) Ethyl Benzene             | 11.846 | 91   | 44762    | 0.997  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.953 | 106  | 31067    | 1.998  | ug/l   | 97       |
| 69) o-Xylene                  | 12.283 | 106  | 15068    | 0.890  | ug/l   | 95       |
| 70) Styrene                   | 12.291 | 104  | 22154    | 0.829  | ug/l   | 95       |
| 71) Bromoform                 | 12.460 | 173  | 4416     | 0.681  | ug/l # | 90       |
| 73) Isopropylbenzene          | 12.578 | 105  | 38179    | 1.109  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.390 | 43   | 13073    | 1.066  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.825 | 83   | 14350    | 1.291  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.881 | 75   | 11092m   | 1.072  | ug/l   |          |
| 77) Bromobenzene              | 12.859 | 156  | 8984     | 1.057  | ug/l   | 73       |
| 78) n-propylbenzene           | 12.924 | 91   | 40107    | 1.072  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.007 | 91   | 26479    | 1.142  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 28292    | 1.030  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 13.109 | 91   | 24180    | 1.101  | ug/l   | 89       |
| 83) tert-Butylbenzene         | 13.323 | 119  | 25087    | 0.996  | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene    | 13.366 | 105  | 26434    | 0.994  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 33080    | 0.984  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.616 | 119  | 25760    | 0.944  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.618 | 146  | 14701    | 1.011  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 14896m   | 1.035  | ug/l   |          |
| 89) n-Butylbenzene            | 13.943 | 91   | 20562    | 0.963  | ug/l   | 91       |
| 90) Hexachloroethane          | 14.211 | 117  | 3984     | 0.907  | ug/l   | 76       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 13716    | 0.962  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.600 | 75   | 1303     | 0.735  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 15.268 | 180  | 4282     | 0.659  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.362 | 225  | 3377     | 0.836  | ug/l   | 91       |
| 95) Naphthalene               | 15.504 | 128  | 11129    | 0.632  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180  | 4119     | 0.644  | ug/l   | 92       |

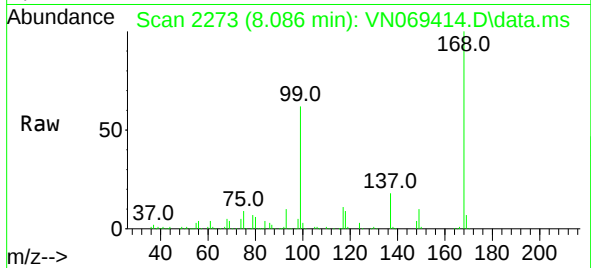
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

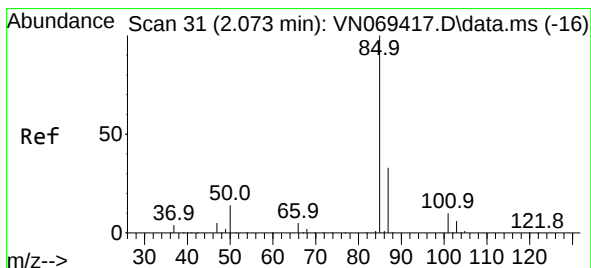
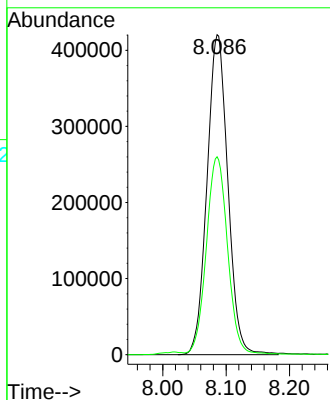
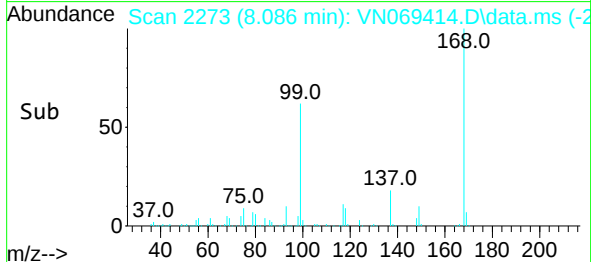
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



Tgt Ion:168 Resp: 961529  
Ion Ratio Lower Upper  
168 100  
99 61.6 41.3 61.9

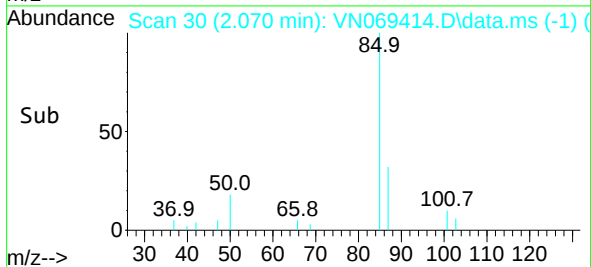
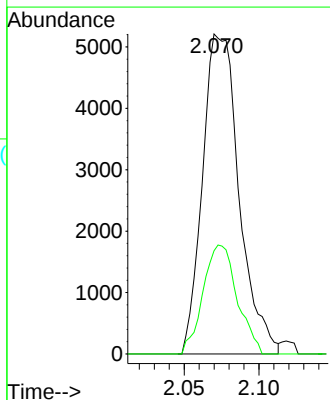
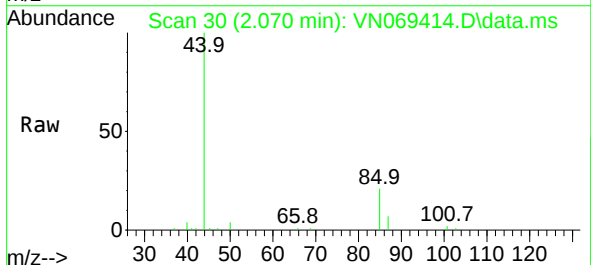
Manual Integrations  
APPROVED

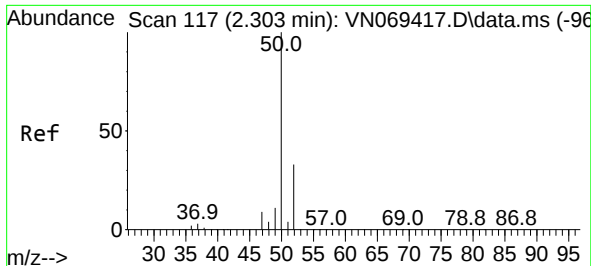
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#2  
Dichlorodifluoromethane  
Concen: 1.030 ug/l  
RT: 2.070 min Scan# 30  
Delta R.T. -0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

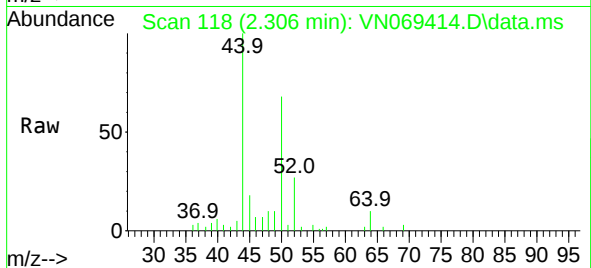
Tgt Ion: 85 Resp: 8867  
Ion Ratio Lower Upper  
85 100  
87 32.3 16.3 48.9





#3  
Chloromethane  
Concen: 1.430 ug/l  
RT: 2.306 min Scan# 117  
Delta R.T. 0.002 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

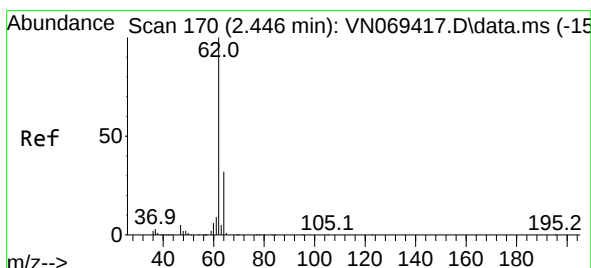
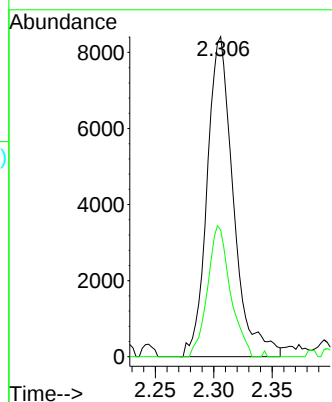
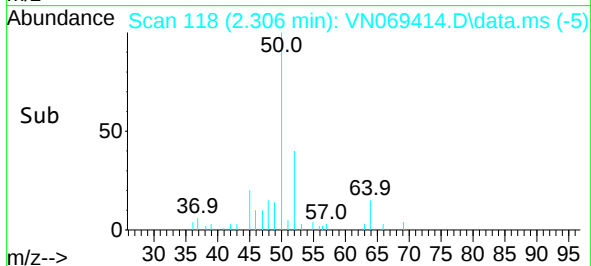
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



Tgt Ion: 50 Resp: 1314  
Ion Ratio Lower Upper  
50 100  
52 39.6 25.4 38.0

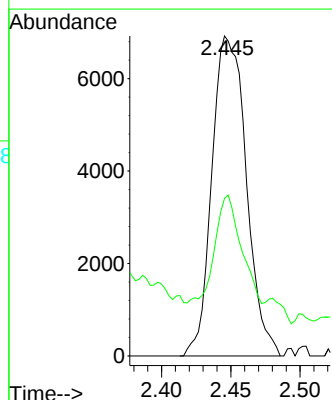
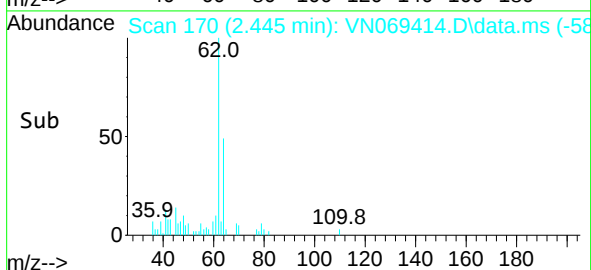
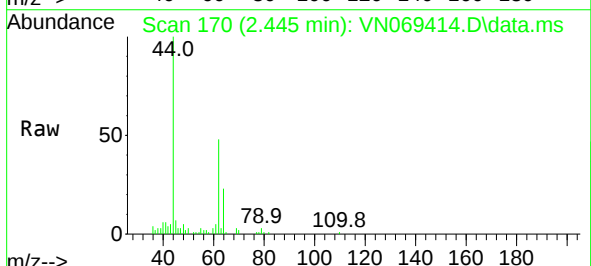
Manual Integrations  
APPROVED

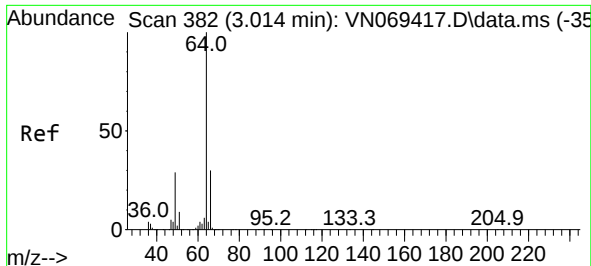
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#4  
Vinyl Chloride  
Concen: 1.118 ug/l  
RT: 2.445 min Scan# 170  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Tgt Ion: 62 Resp: 11940  
Ion Ratio Lower Upper  
62 100  
64 33.1 25.8 38.6





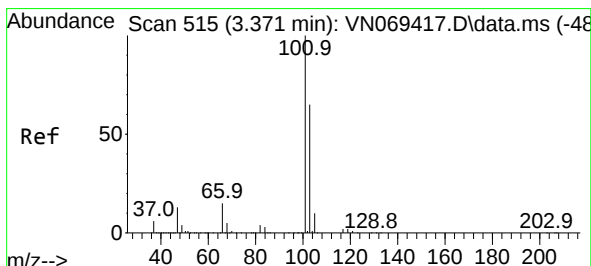
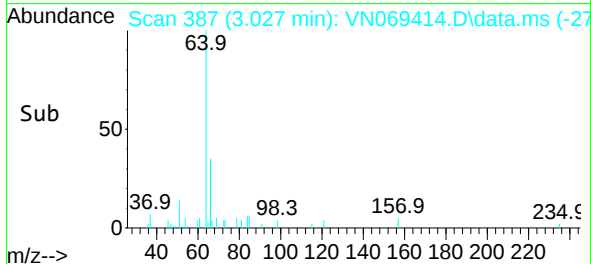
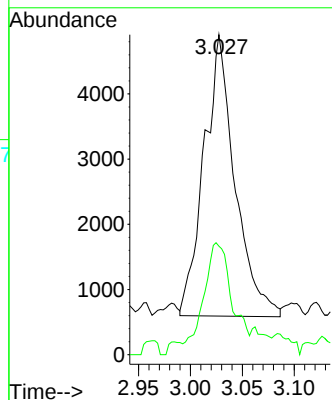
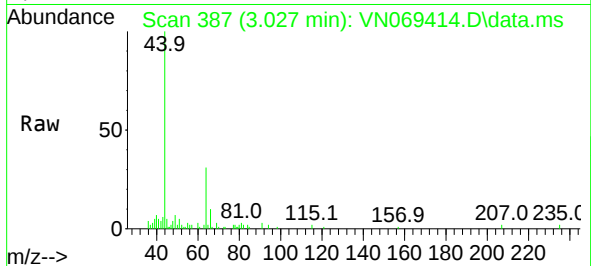
#6  
Chloroethane  
Concen: 1.226 ug/l  
RT: 3.027 min Scan# 382  
Delta R.T. 0.013 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 64 Resp: 8972  
Ion Ratio Lower Upper  
64 100  
66 34.9 26.3 39.5

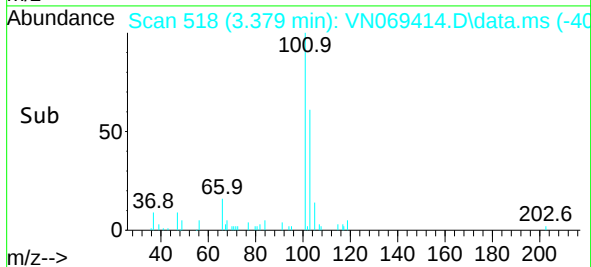
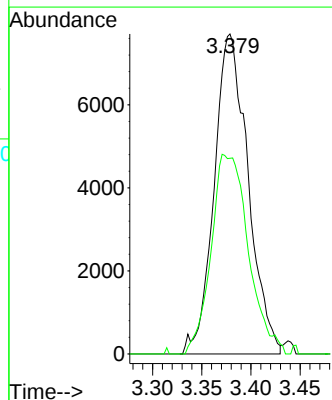
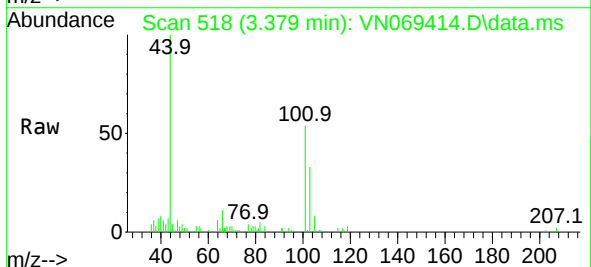
Manual Integrations  
APPROVED

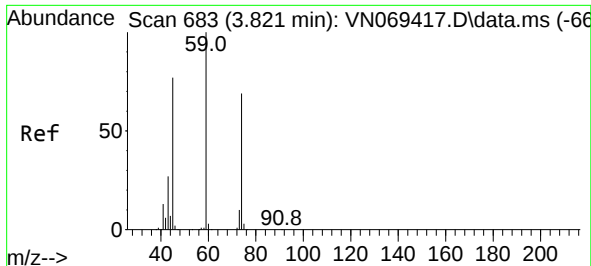
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#7  
Trichlorofluoromethane  
Concen: 0.971 ug/l  
RT: 3.379 min Scan# 518  
Delta R.T. 0.008 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

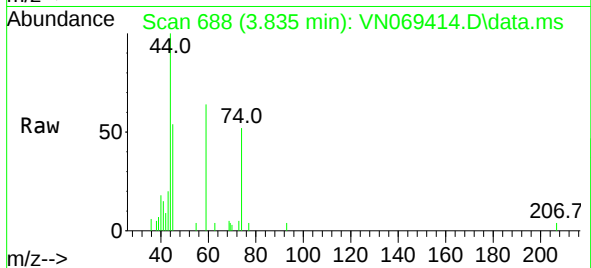
Tgt Ion:101 Resp: 18483  
Ion Ratio Lower Upper  
101 100  
103 61.1 50.1 75.1





#8  
Diethyl Ether  
Concen: 1.325 ug/l m  
RT: 3.835 min Scan# 683  
Delta R.T. 0.013 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

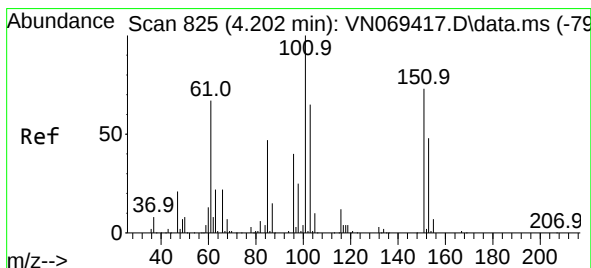
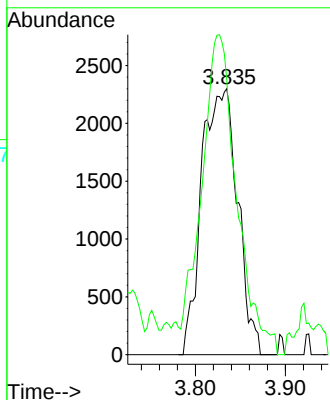
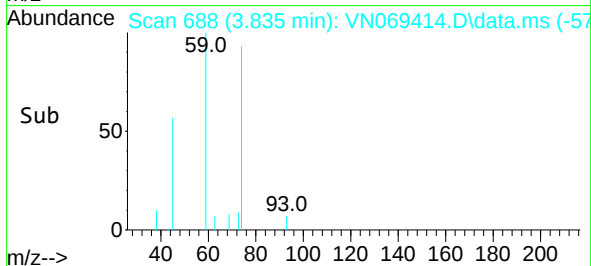
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



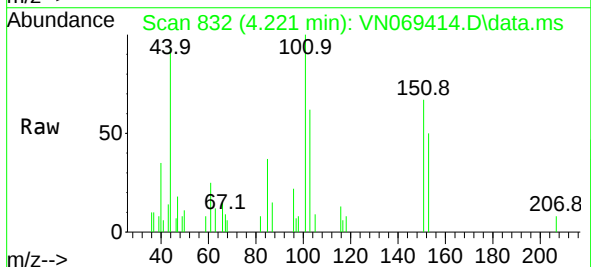
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Ion Ratio Lower Upper  
74 100  
45 117.9 47.0 141.2

Manual Integrations  
APPROVED

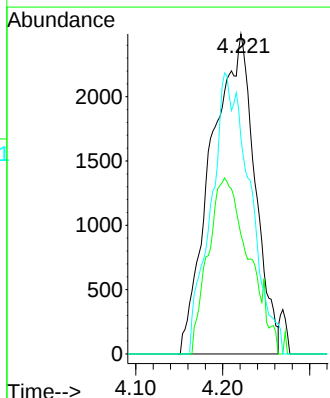
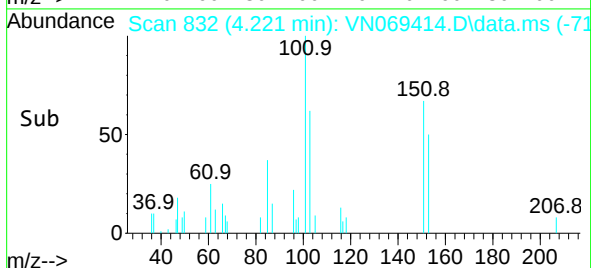
Reviewed By :John Carlone 11/10/2021  
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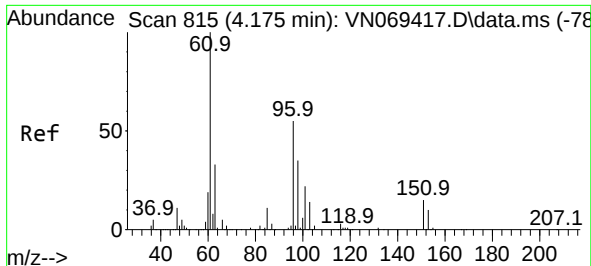


#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 1.157 ug/l  
RT: 4.221 min Scan# 832  
Delta R.T. 0.019 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



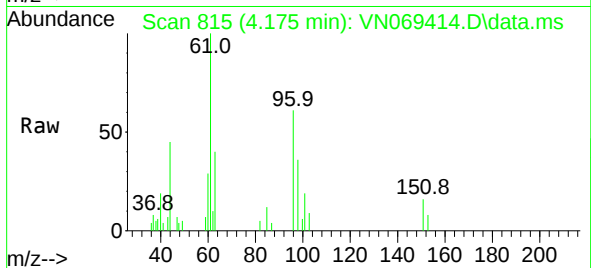
Tgt Ion:101 Resp: 8679  
Ion Ratio Lower Upper  
101 100  
85 51.3 37.2 55.8  
151 41.6 65.9 98.9#





#12  
1,1-Dichloroethene  
Concen: 1.065 ug/l  
RT: 4.175 min Scan# 815  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

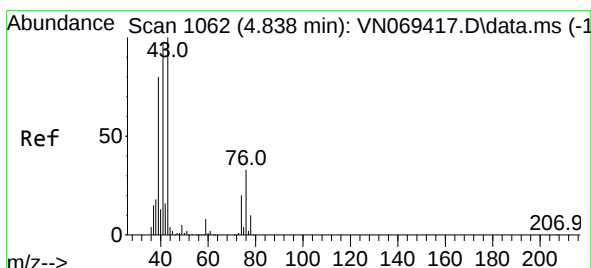
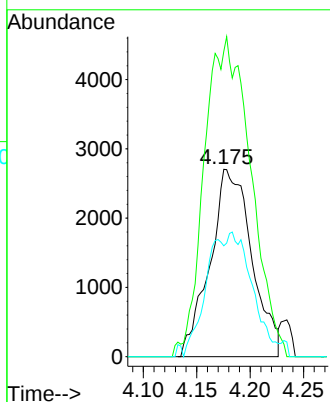
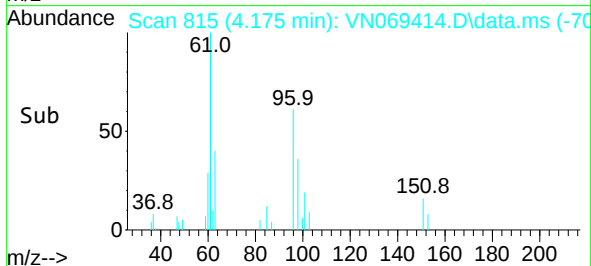
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



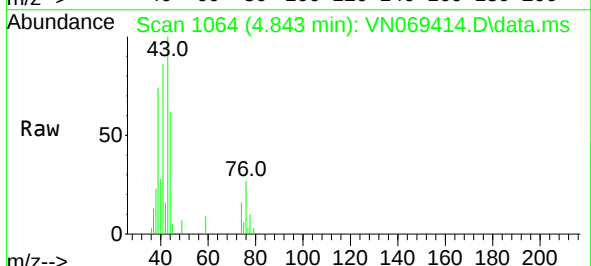
Tgt Ion: 96 Resp: 7374  
Ion Ratio Lower Upper  
96 100  
61 155.2 131.0 196.6  
98 52.8 52.4 78.6

Manual Integrations  
APPROVED

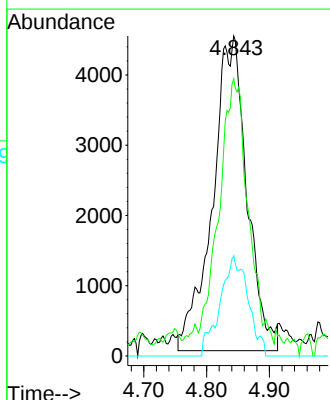
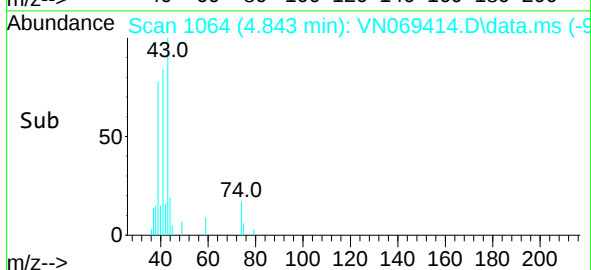
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021

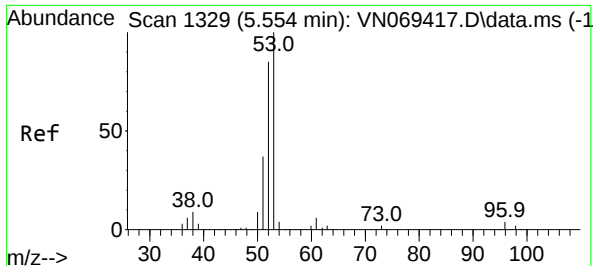


#14  
Allyl chloride  
Concen: 1.333 ug/l m  
RT: 4.843 min Scan# 1064  
Delta R.T. 0.005 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



Tgt Ion: 41 Resp: 17064  
Ion Ratio Lower Upper  
41 100  
39 63.8 61.2 91.8  
76 16.7 26.0 39.0#





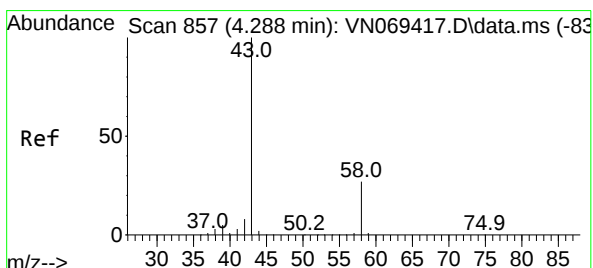
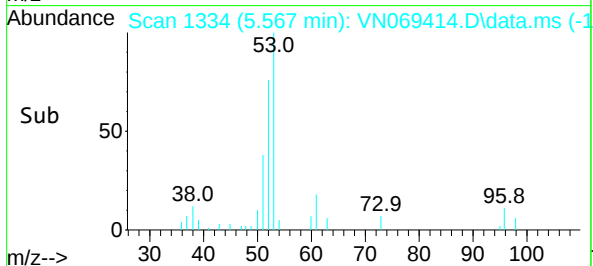
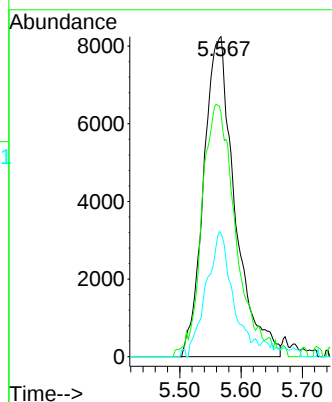
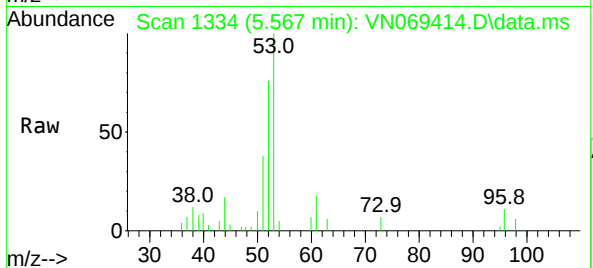
#15  
Acrylonitrile  
Concen: 5.957 ug/l  
RT: 5.567 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 53 Resp: 2916  
Ion Ratio Lower Upper  
53 100  
52 81.4 66.2 99.2  
51 32.7 29.6 44.4

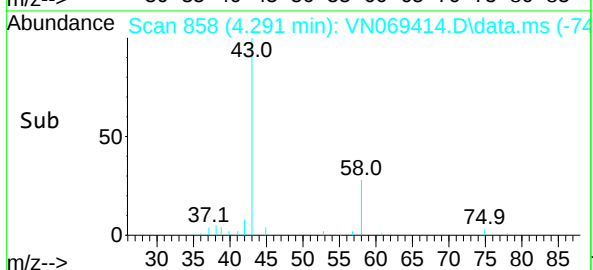
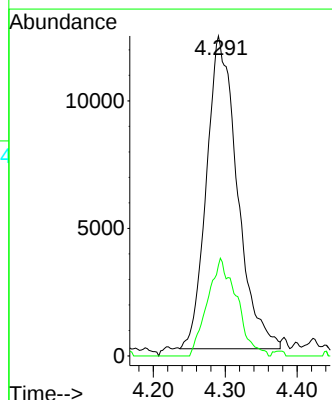
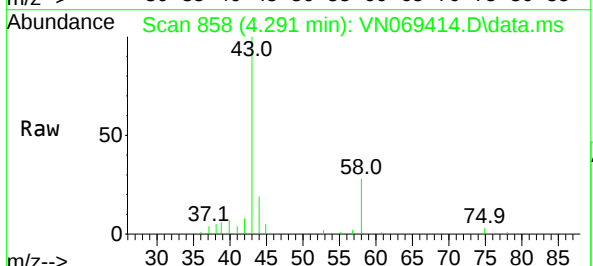
Manual Integrations  
APPROVED

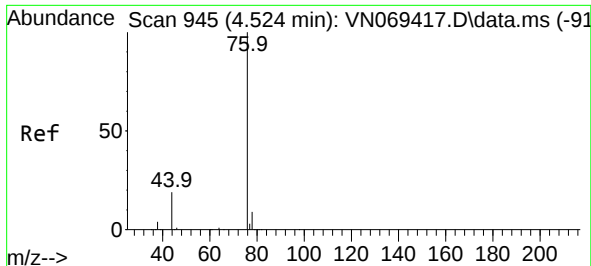
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#16  
Acetone  
Concen: 6.656 ug/l  
RT: 4.291 min Scan# 858  
Delta R.T. 0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

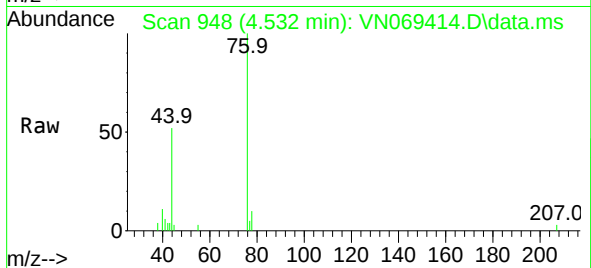
Tgt Ion: 43 Resp: 36492  
Ion Ratio Lower Upper  
43 100  
58 29.0 23.1 34.7





#17  
Carbon Disulfide  
Concen: 1.130 ug/l  
RT: 4.532 min Scan# 945  
Delta R.T. 0.008 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

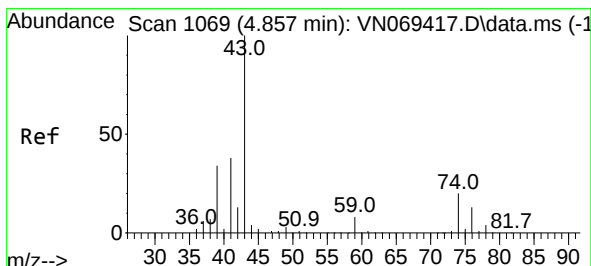
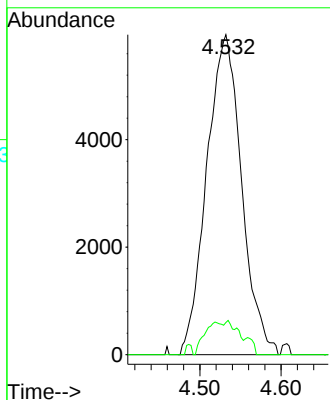
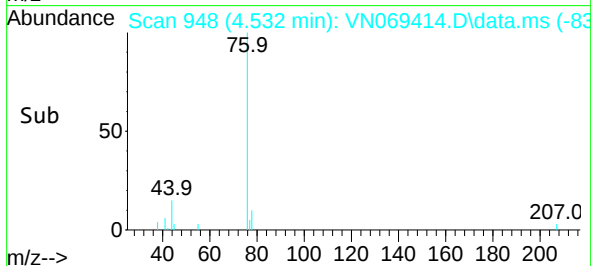
Instrument :  
MSVOA\_N  
Client Sample Id :  
VSTDIC001



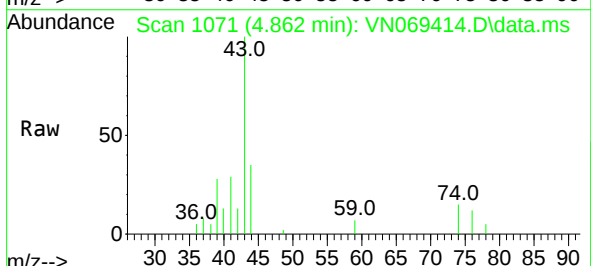
Tgt Ion: 76 Resp: 17760  
Ion Ratio Lower Upper  
76 100  
78 10.0 7.5 11.3

Manual Integrations  
APPROVED

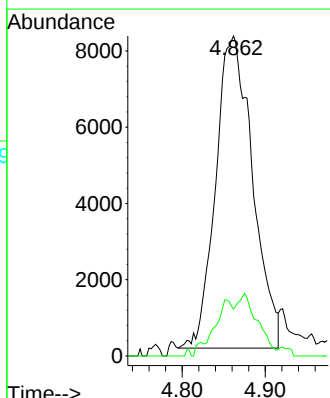
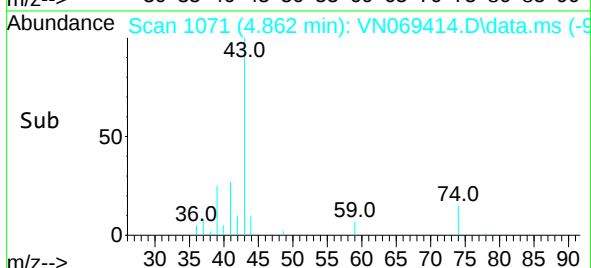
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021

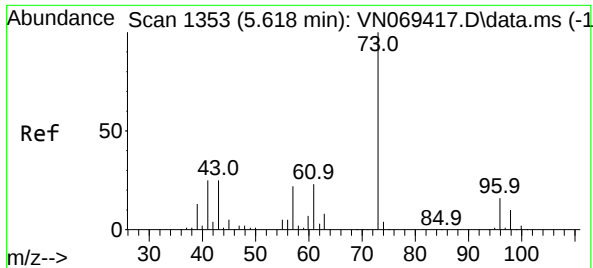


#18  
Methyl Acetate  
Concen: 1.385 ug/l  
RT: 4.862 min Scan# 1071  
Delta R.T. 0.005 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



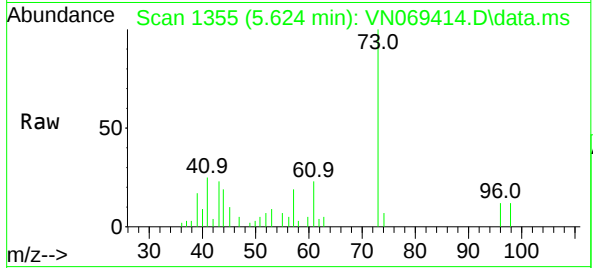
Tgt Ion: 43 Resp: 25320  
Ion Ratio Lower Upper  
43 100  
74 5.8 19.4 29.2#





#19  
Methyl tert-butyl Ether  
Concen: 1.116 ug/l  
RT: 5.624 min Scan# 1159  
Delta R.T. 0.005 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

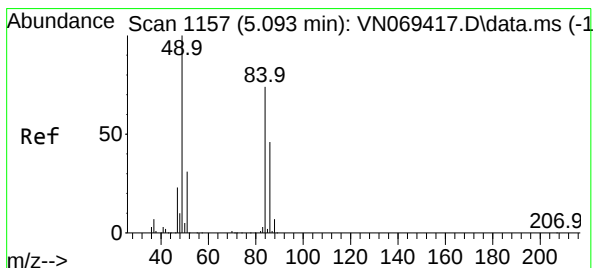
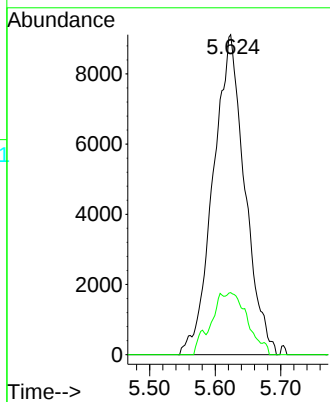
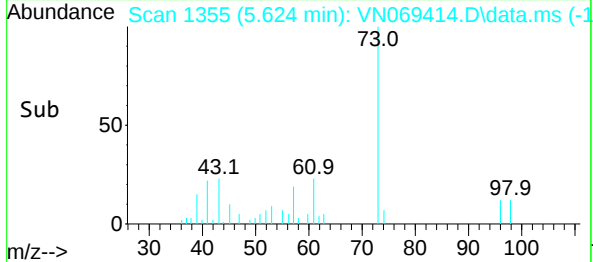
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



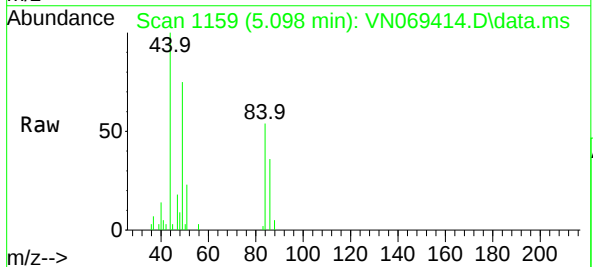
Tgt Ion: 73 Resp: 30510  
Ion Ratio Lower Upper  
73 100  
57 19.4 16.8 25.2

Manual Integrations  
APPROVED

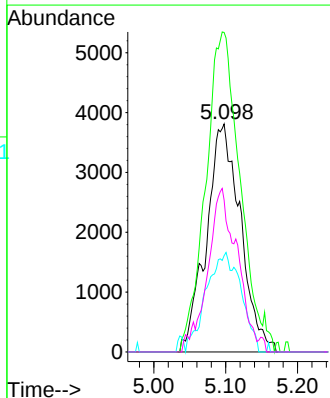
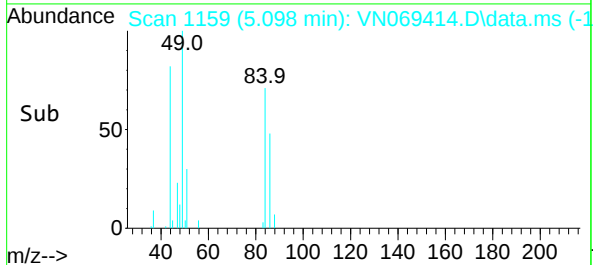
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021

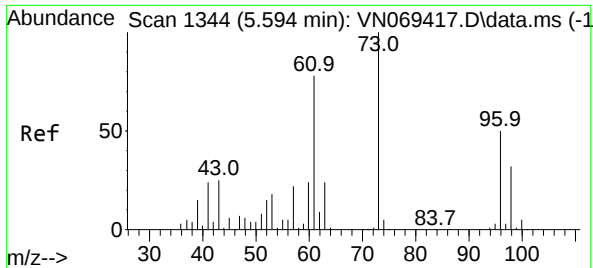


#20  
Methylene Chloride  
Concen: 1.358 ug/l  
RT: 5.098 min Scan# 1159  
Delta R.T. 0.005 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



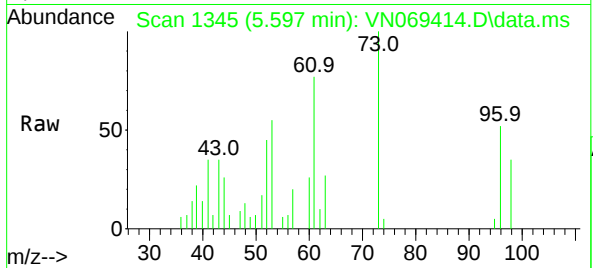
Tgt Ion: 84 Resp: 12570  
Ion Ratio Lower Upper  
84 100  
49 140.2 93.5 140.3  
51 42.2 29.4 44.2  
86 66.6 53.0 79.4





#21  
trans-1,2-Dichloroethene  
Concen: 1.124 ug/l m  
RT: 5.597 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

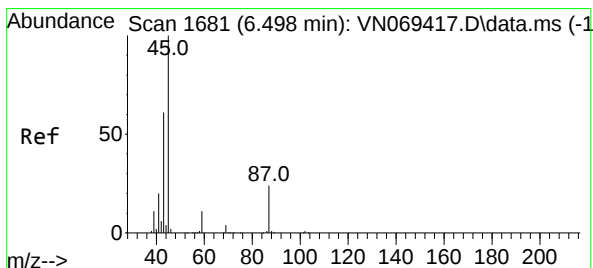
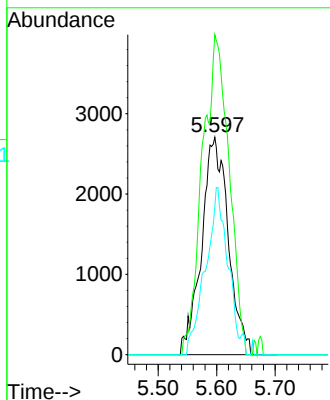
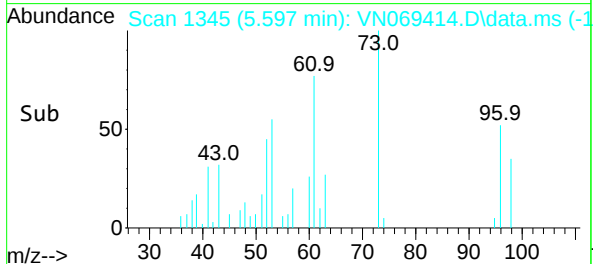
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



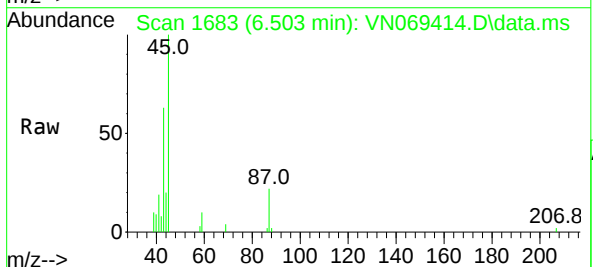
Tgt Ion: 96 Resp: 8569  
Ion Ratio Lower Upper  
96 100  
61 147.2 105.8 158.6  
98 68.0 52.0 78.0

Manual Integrations  
APPROVED

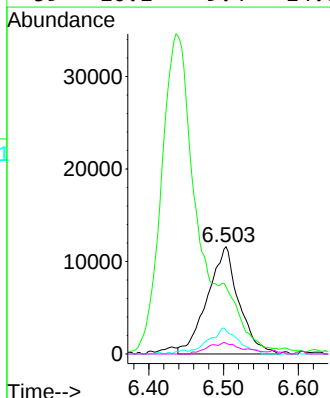
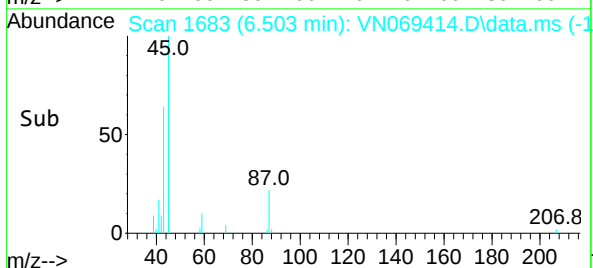
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021

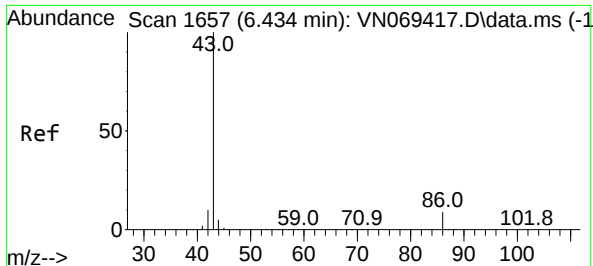


#22  
Diisopropyl ether  
Concen: 1.233 ug/l  
RT: 6.503 min Scan# 1683  
Delta R.T. 0.005 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



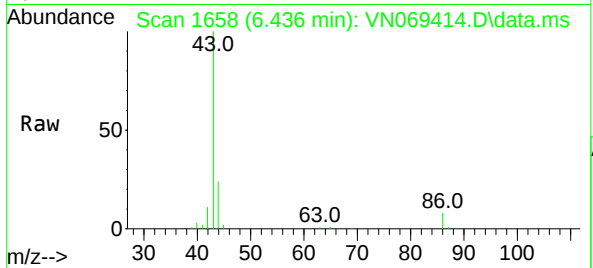
Tgt Ion: 45 Resp: 33722  
Ion Ratio Lower Upper  
45 100  
43 58.1 51.7 77.5  
87 22.1 23.2 34.8#  
59 10.1 9.4 14.0





#23  
 Vinyl Acetate  
 Concen: 5.849 ug/l m  
 RT: 6.436 min Scan# 1658  
 Delta R.T. 0.003 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51

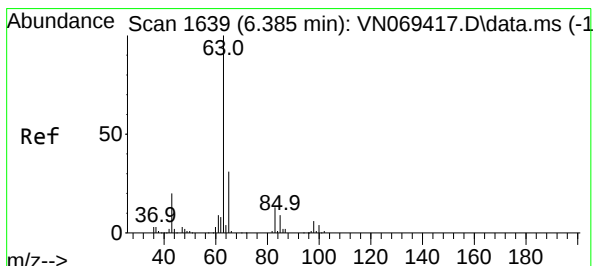
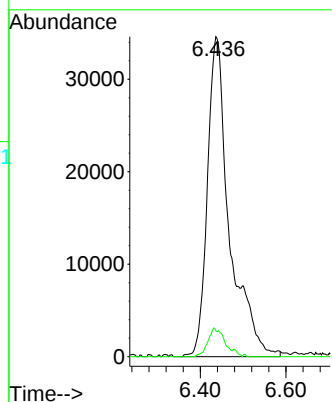
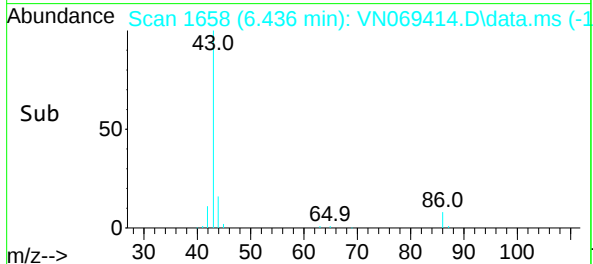
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC001



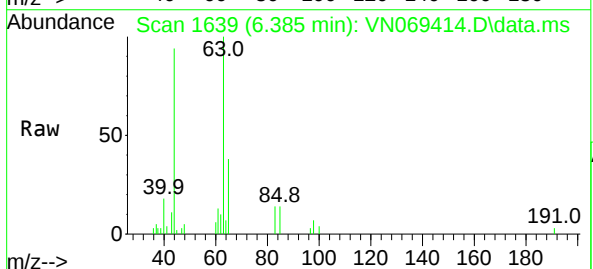
Tgt Ion: 43 Resp: 123290  
 Ion Ratio Lower Upper  
 43 100  
 86 8.0 8.5 12.7

Manual Integrations  
 APPROVED

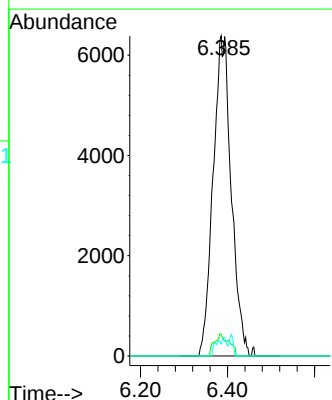
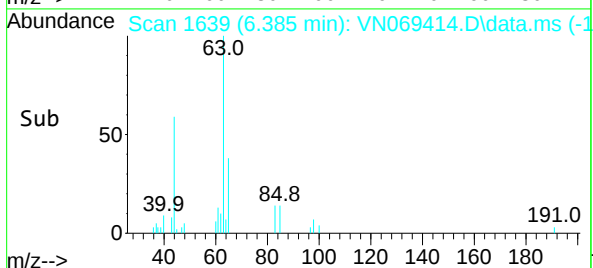
Reviewed By :John Carlone 11/10/2021  
 Supervised By :Semsettin Yesilyurt 11/17/2021

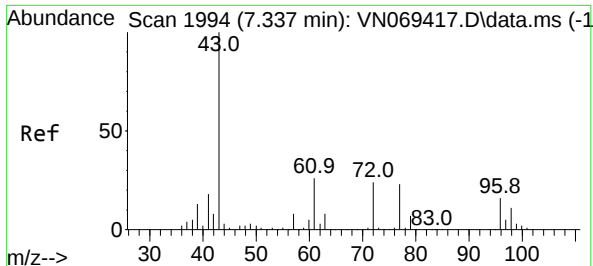


#24  
 1,1-Dichloroethane  
 Concen: 1.232 ug/l m  
 RT: 6.385 min Scan# 1639  
 Delta R.T. -0.000 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51



Tgt Ion: 63 Resp: 18529  
 Ion Ratio Lower Upper  
 63 100  
 98 6.7 3.3 9.9  
 100 3.7 2.1 6.5





#25

2-Butanone

Concen: 6.118 ug/l

RT: 7.340 min Scan# 1994

Delta R.T. 0.003 min

Lab File: VN069414.D

Acq: 9 Nov 2021 9:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 44460

Ion Ratio Lower Upper

43 100

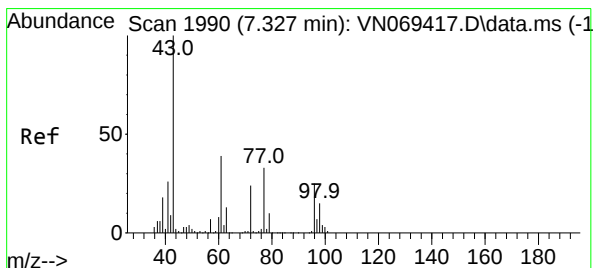
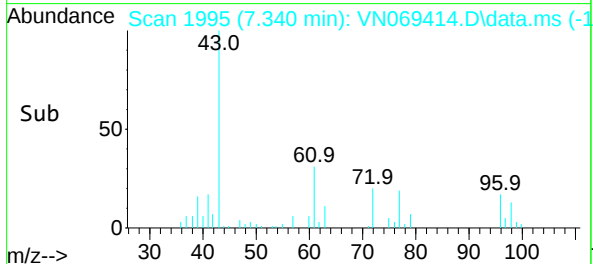
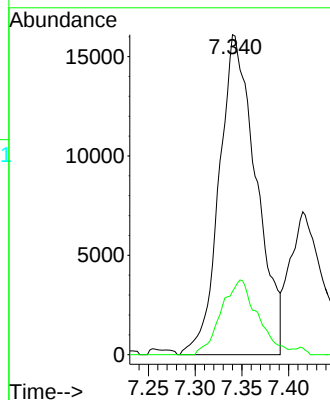
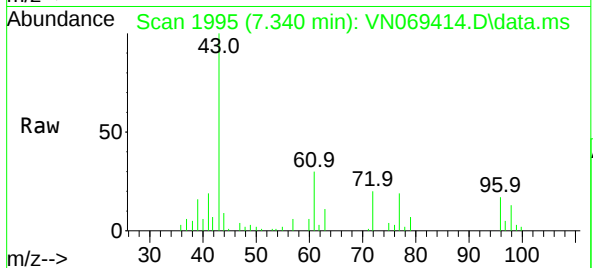
72 19.8 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/10/2021

Supervised By :Semsettin Yesilyurt 11/17/2021



#26

2,2-Dichloropropane

Concen: 0.962 ug/l m

RT: 7.335 min Scan# 1993

Delta R.T. 0.008 min

Lab File: VN069414.D

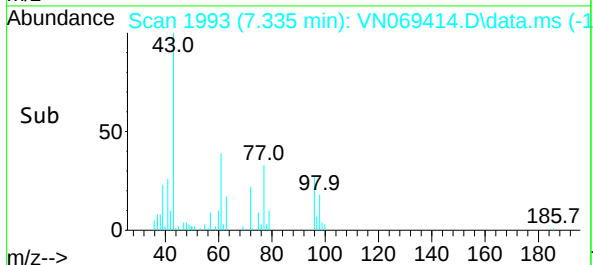
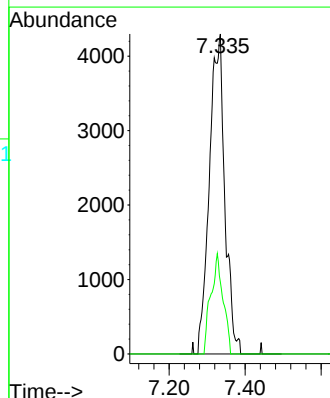
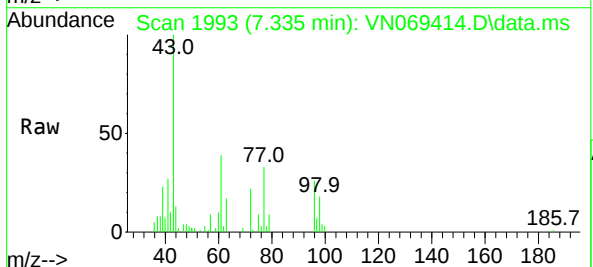
Acq: 9 Nov 2021 9:51

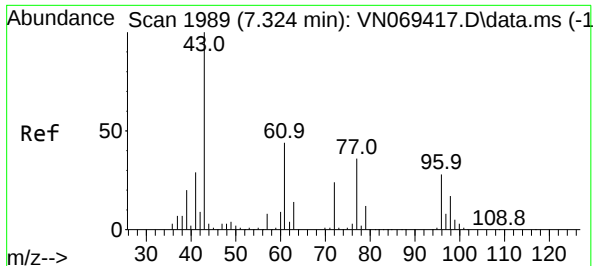
Tgt Ion: 77 Resp: 12132

Ion Ratio Lower Upper

77 100

97 24.7 11.6 34.8





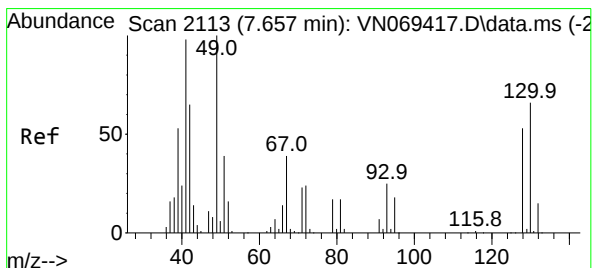
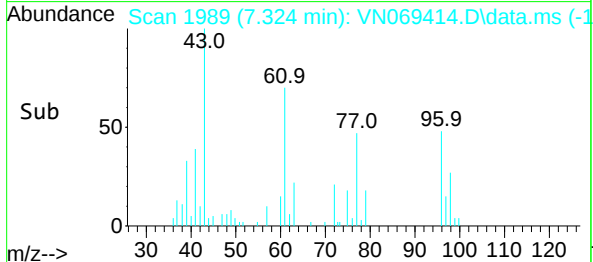
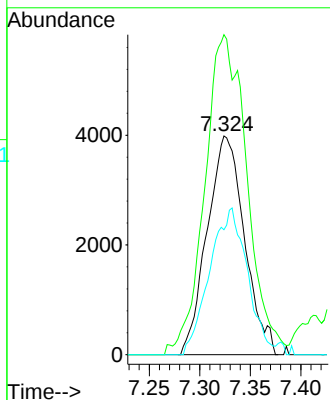
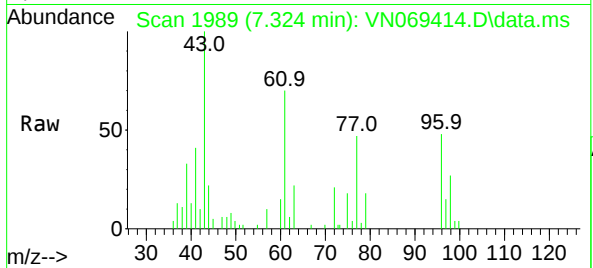
#27  
 cis-1,2-Dichloroethene  
 Concen: 1.080 ug/l  
 RT: 7.324 min Scan# 1989  
 Delta R.T. -0.000 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51

Instrument : MSVOA\_N  
 ClientSampleId : VSTDIC001

Tgt Ion: 96 Resp: 1023  
 Ion Ratio Lower Upper  
 96 100  
 61 164.8 0.0 275.0  
 98 67.7 0.0 129.6

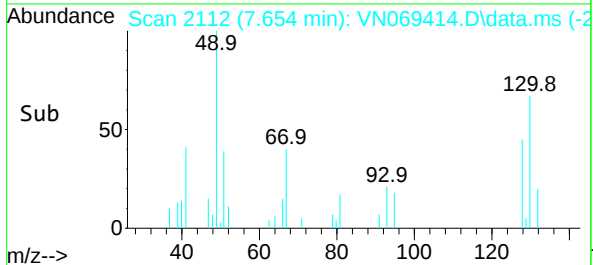
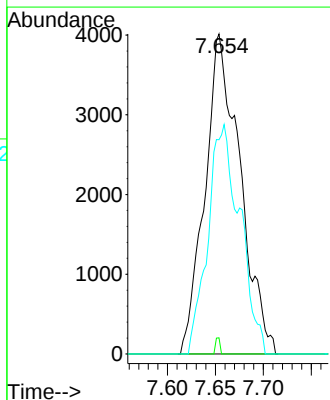
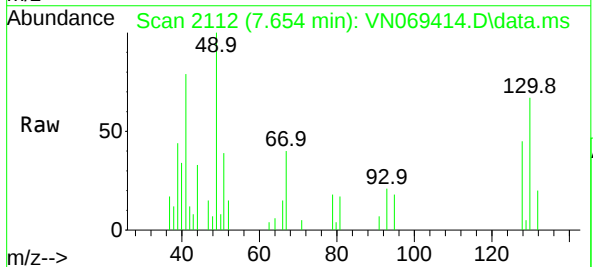
Manual Integrations  
 APPROVED

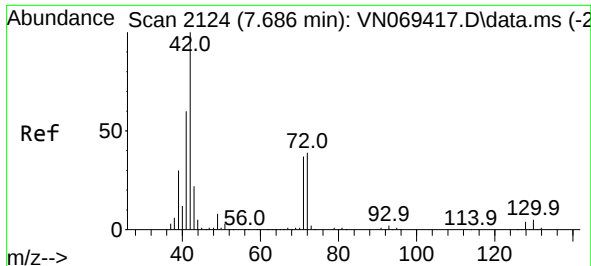
Reviewed By :John Carlone 11/10/2021  
 Supervised By :Semsettin Yesilyurt 11/17/2021



#28  
 Bromochloromethane  
 Concen: 1.290 ug/l  
 RT: 7.654 min Scan# 2112  
 Delta R.T. -0.003 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51

Tgt Ion: 49 Resp: 10234  
 Ion Ratio Lower Upper  
 49 100  
 129 0.6 0.0 4.0  
 130 65.3 67.8 101.8





#29

Tetrahydrofuran

Concen: 5.549 ug/l

RT: 7.697 min Scan# 2124

Delta R.T. 0.011 min

Lab File: VN069414.D

Acq: 9 Nov 2021 9:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

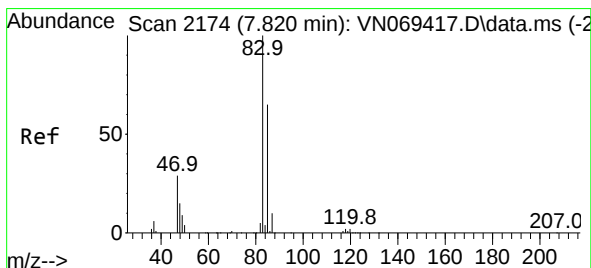
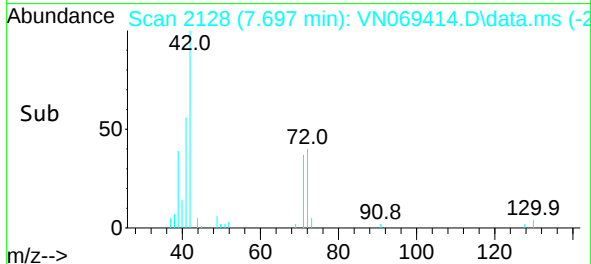
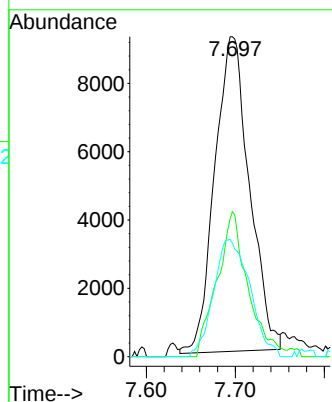
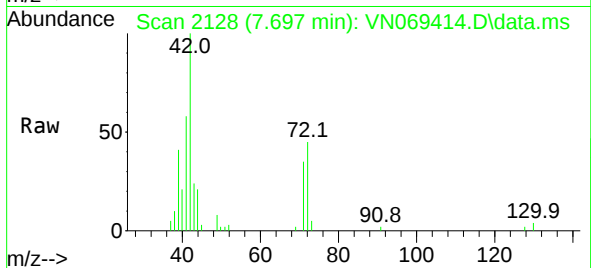
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 2500 |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 41.0  | 36.3  | 54.5 |
| 71        | 38.9  | 34.7  | 52.1 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/10/2021

Supervised By :Semsettin Yesilyurt 11/17/2021



#30

Chloroform

Concen: 1.125 ug/l

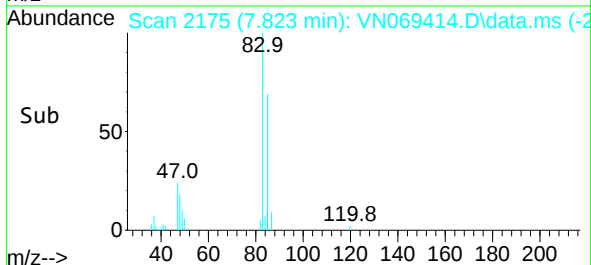
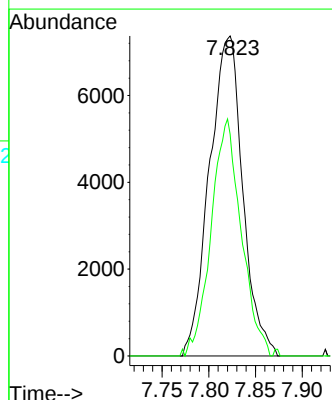
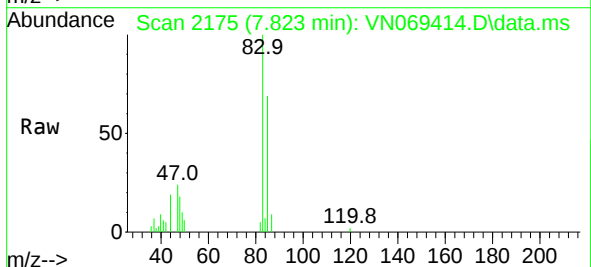
RT: 7.823 min Scan# 2175

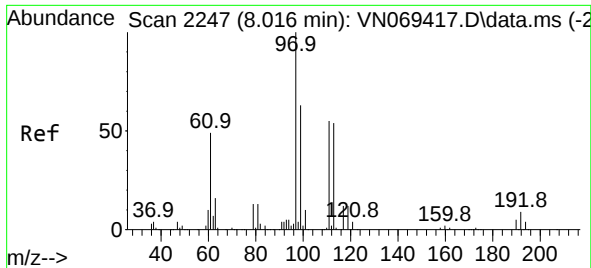
Delta R.T. 0.003 min

Lab File: VN069414.D

Acq: 9 Nov 2021 9:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 18296 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 69.3  | 51.9  | 77.9  |





#32  
1,1,1-Trichloroethane  
Concen: 1.023 ug/l  
RT: 8.010 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

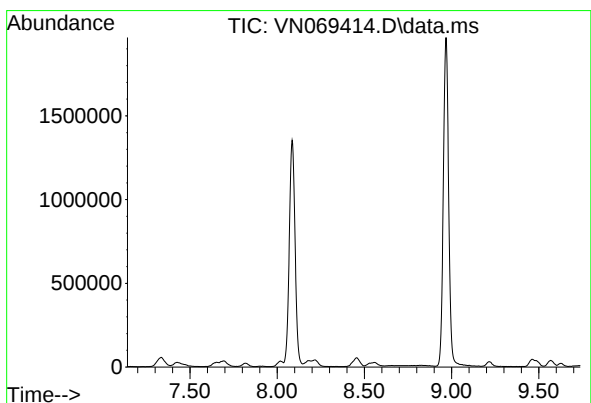
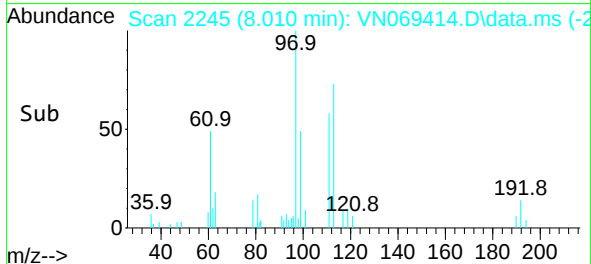
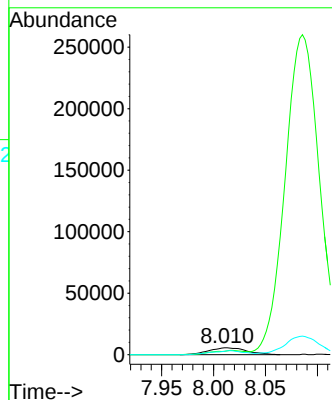
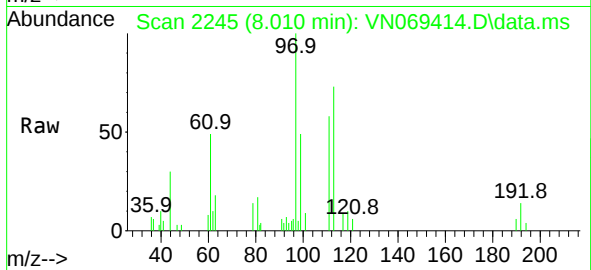
Tgt Ion: 97 Resp: 1429  
Ion Ratio Lower Upper  
97 100  
99 0.0 50.1 75.1  
61 49.2 35.2 52.8

Manual Integrations

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Reviewed By :John Carlone 11/10/2021

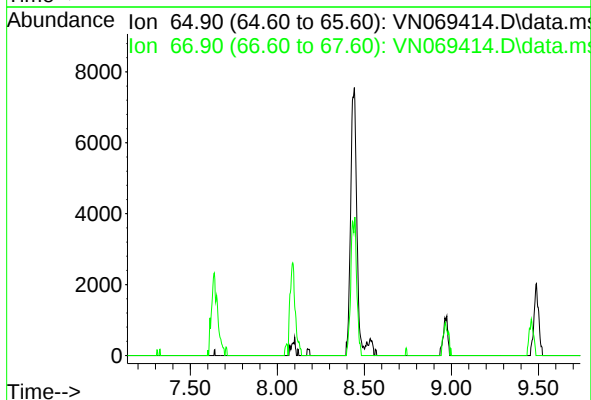
Supervised By :Semsettin Yesilyurt 11/17/2021

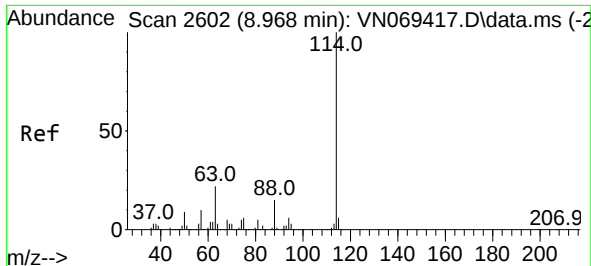


#33  
1,2-Dichloroethane-d4  
Concen: 0.000 ug/l  
Expected RT: 8.44 min

Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Tgt Ion: 65  
Sig Exp Ratio  
65 100  
67 51.5





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN069414.D

Acq: 9 Nov 2021 9:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 166415

Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

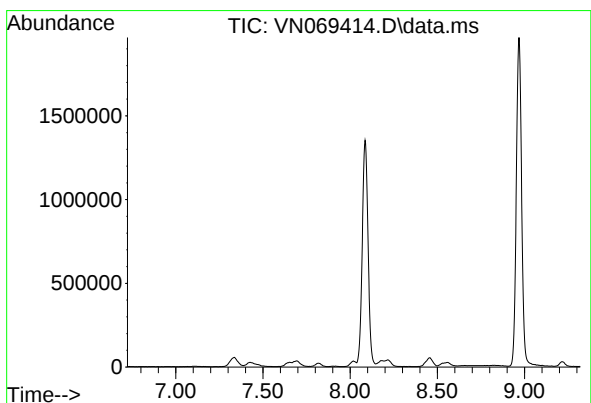
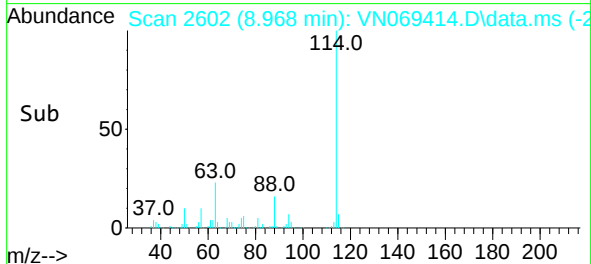
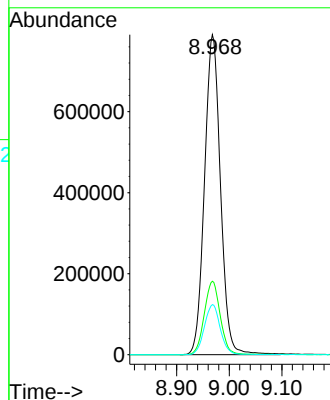
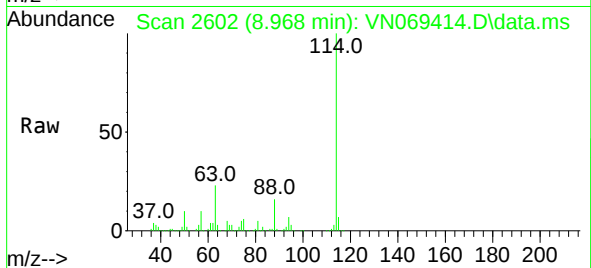
88 15.7 0.0 27.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/10/2021

Supervised By :Semsettin Yesilyurt 11/17/2021



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 8.02 min

Lab File: VN069414.D

Acq: 9 Nov 2021 9:51

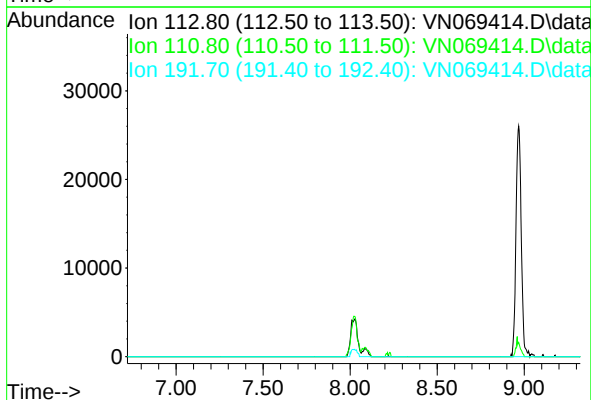
Tgt Ion: 113

Sig Exp Ratio

113 100

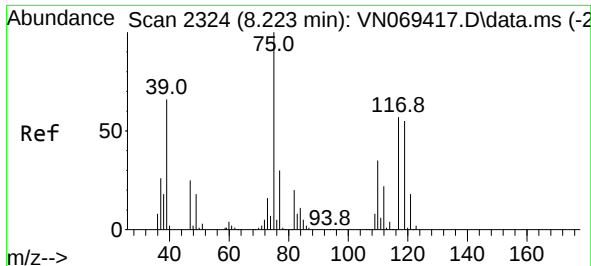
111 102.7

192 21.1



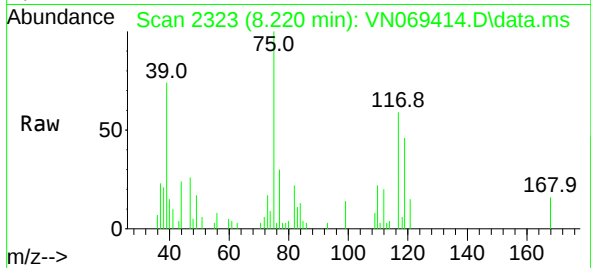
Ion 110.80 (110.50 to 111.50): VN069414.D\data.ms

Ion 191.70 (191.40 to 192.40): VN069414.D\data.ms



#36  
 1,1-Dichloropropene  
 Concen: 1.027 ug/l  
 RT: 8.220 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51

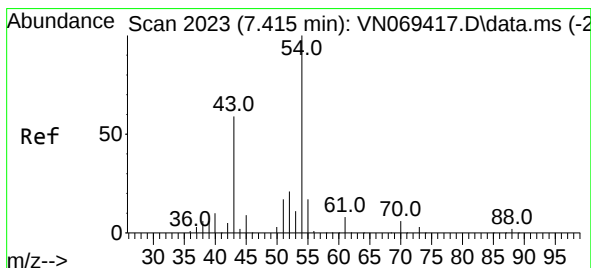
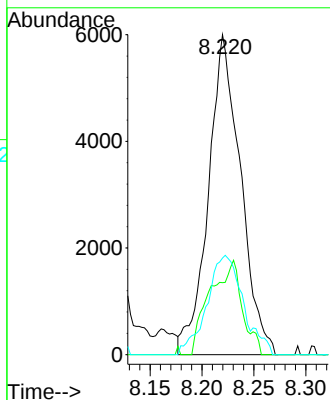
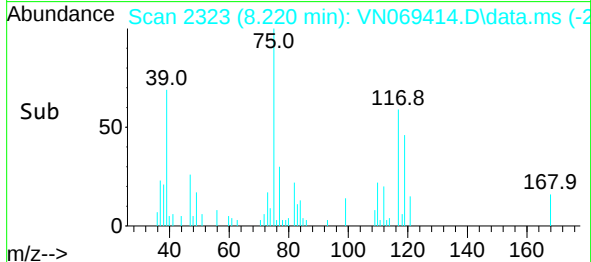
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001



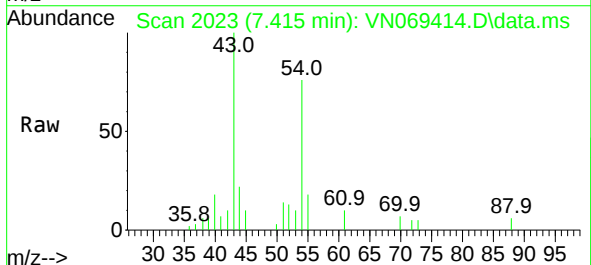
Tgt Ion: 75 Resp: 12949  
 Ion Ratio Lower Upper  
 75 100  
 110 29.6 18.4 55.2  
 77 35.1 24.4 36.6

Manual Integrations  
 APPROVED

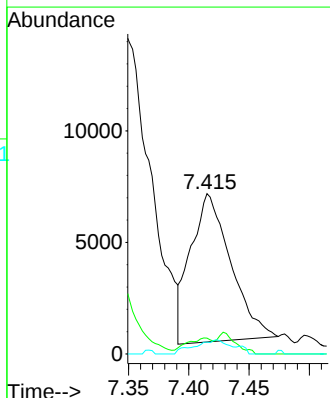
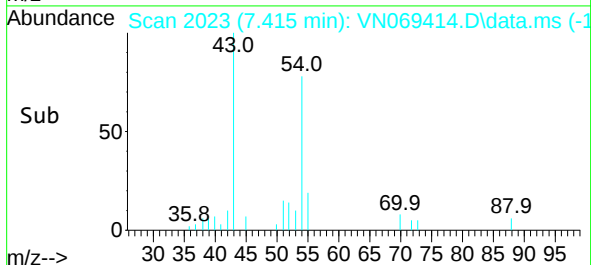
Reviewed By :John Carlone 11/10/2021  
 Supervised By :Semsettin Yesilyurt 11/17/2021

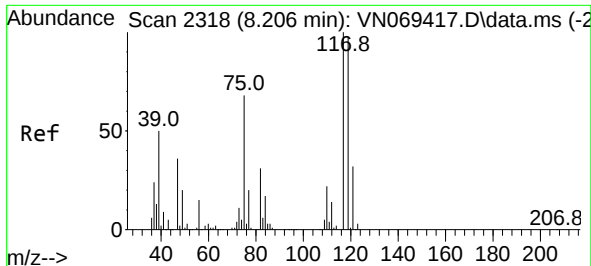


#37  
 Ethyl Acetate  
 Concen: 1.008 ug/l  
 RT: 7.415 min Scan# 2023  
 Delta R.T. -0.000 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51



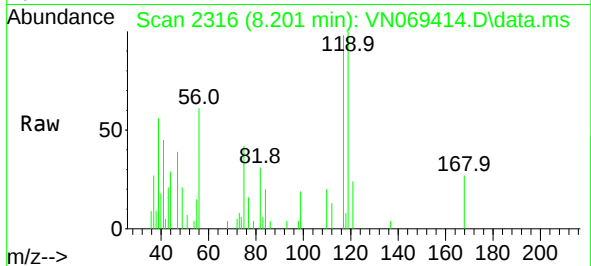
Tgt Ion: 43 Resp: 15356  
 Ion Ratio Lower Upper  
 43 100  
 61 7.1 11.5 17.3#  
 70 0.0 7.9 11.9#





#38  
Carbon Tetrachloride  
Concen: 0.925 ug/l m  
RT: 8.201 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

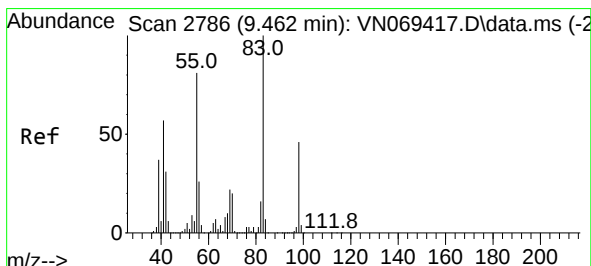
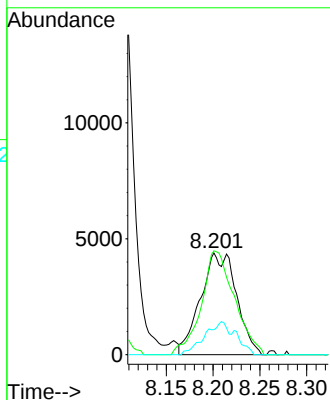
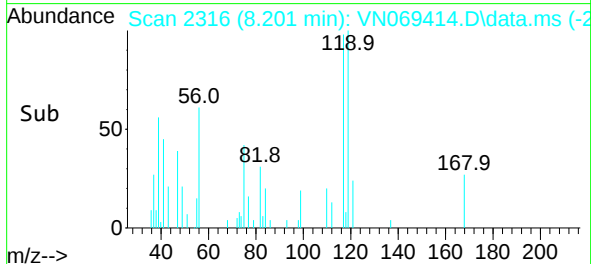
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



Tgt Ion: 117 Resp: 1176  
Ion Ratio Lower Upper  
117 100  
119 102.0 76.1 114.1  
121 24.4 24.2 36.2

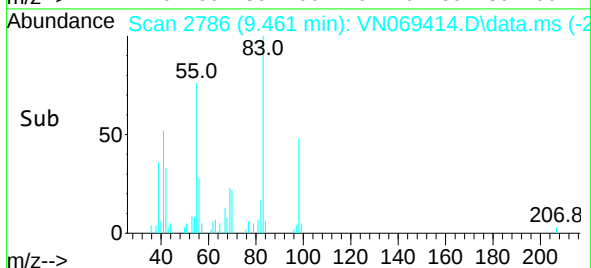
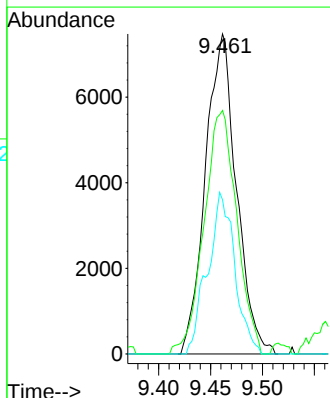
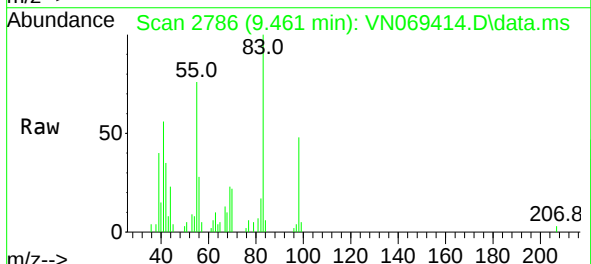
Manual Integrations  
APPROVED

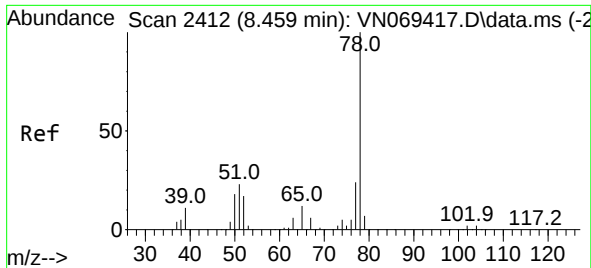
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#39  
Methylcyclohexane  
Concen: 0.979 ug/l  
RT: 9.461 min Scan# 2786  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Tgt Ion: 83 Resp: 15523  
Ion Ratio Lower Upper  
83 100  
55 73.2 58.1 87.1  
98 48.2 38.4 57.6





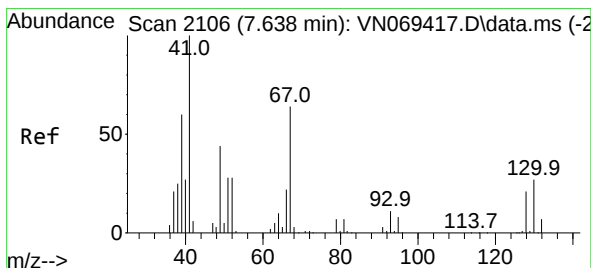
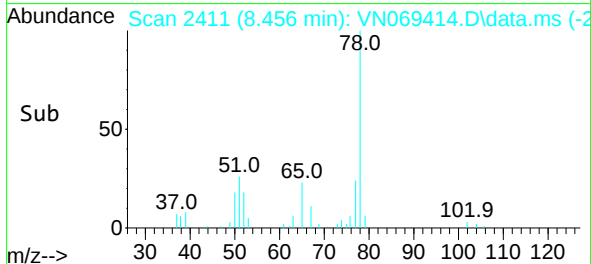
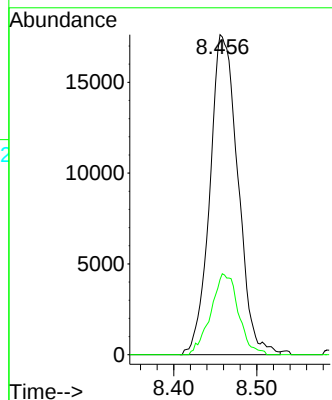
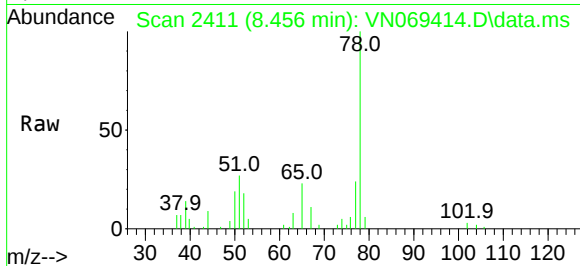
#40  
Benzene  
Concen: 1.065 ug/l  
RT: 8.456 min Scan# 2412  
Delta R.T. -0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 78 Resp: 4130  
Ion Ratio Lower Upper  
78 100  
77 23.5 18.6 27.8

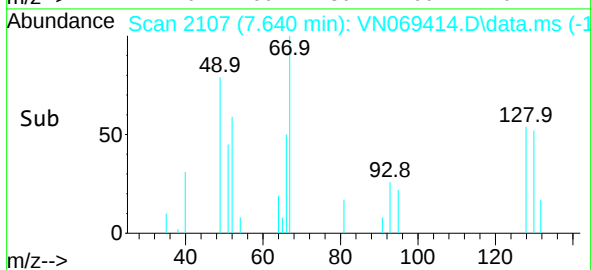
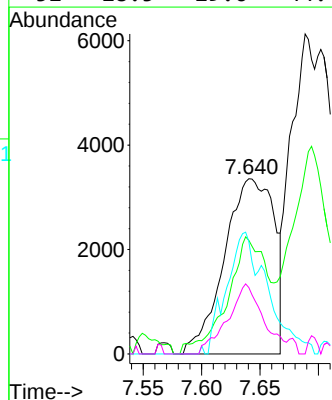
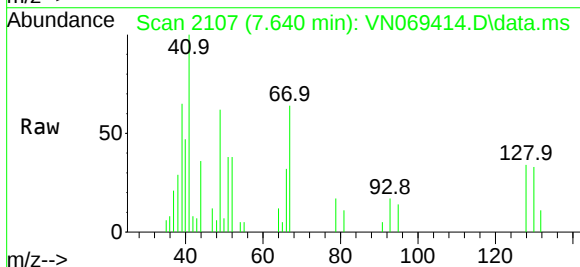
Manual Integrations  
APPROVED

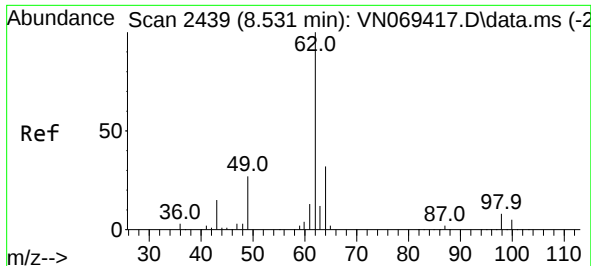
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#41  
Methacrylonitrile  
Concen: 1.359 ug/l  
RT: 7.640 min Scan# 2107  
Delta R.T. 0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Tgt Ion: 41 Resp: 9969  
Ion Ratio Lower Upper  
41 100  
39 53.1 48.1 72.1  
67 36.8 68.3 102.5#  
52 28.5 29.6 44.4#





#42

1,2-Dichloroethane

Concen: 1.120 ug/l

RT: 8.531 min Scan# 2439

Delta R.T. -0.000 min

Lab File: VN069414.D

Acq: 9 Nov 2021 9:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

Tgt Ion: 62 Resp: 1615

Ion Ratio Lower Upper

62 100

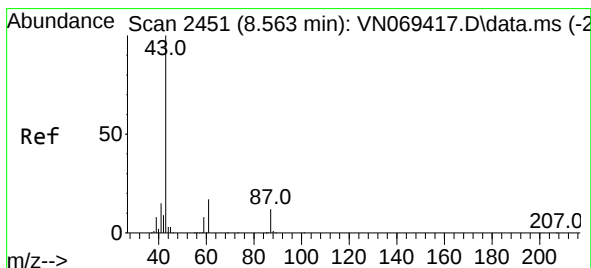
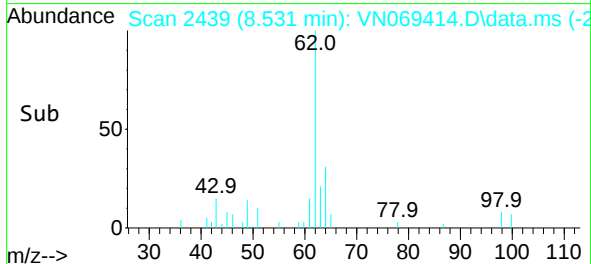
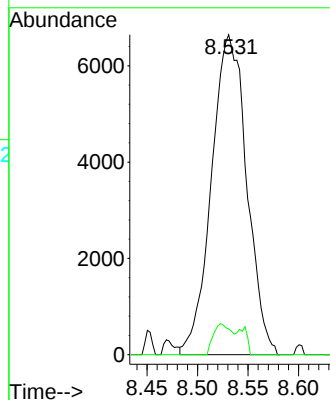
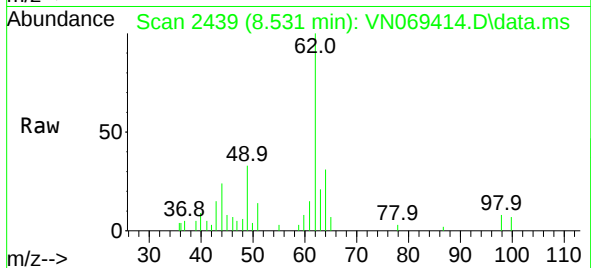
98 4.9 0.0 17.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/10/2021

Supervised By :Semsettin Yesilyurt 11/17/2021



#43

Isopropyl Acetate

Concen: 1.048 ug/l

RT: 8.563 min Scan# 2451

Delta R.T. -0.000 min

Lab File: VN069414.D

Acq: 9 Nov 2021 9:51

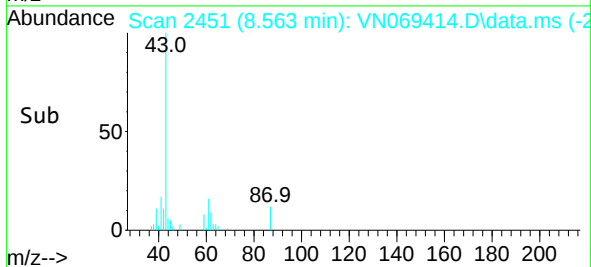
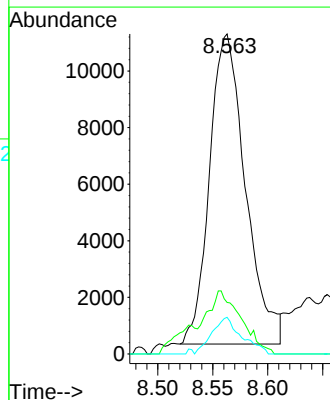
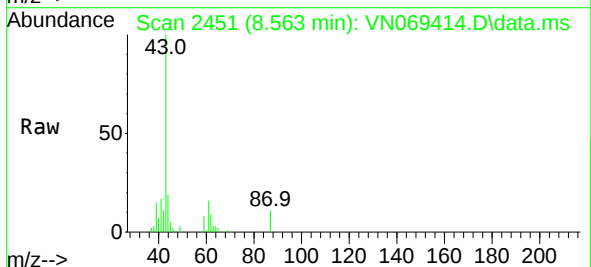
Tgt Ion: 43 Resp: 24859

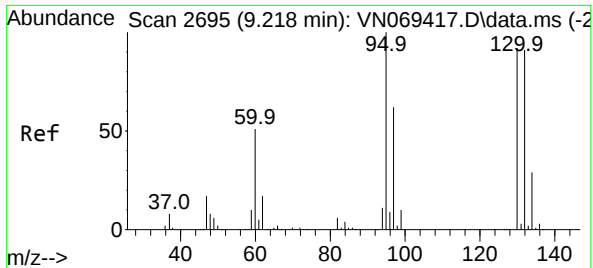
Ion Ratio Lower Upper

43 100

61 19.2 20.4 30.6#

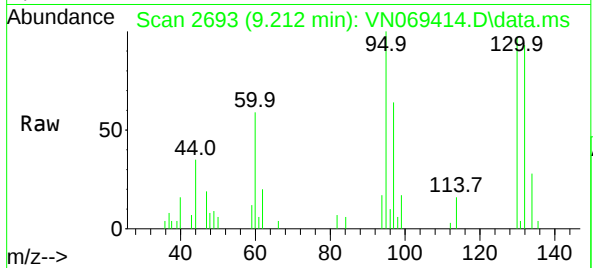
87 9.8 11.2 16.8#





#44  
Trichloroethene  
Concen: 0.900 ug/l  
RT: 9.212 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

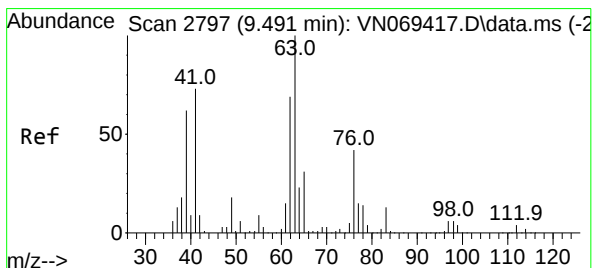
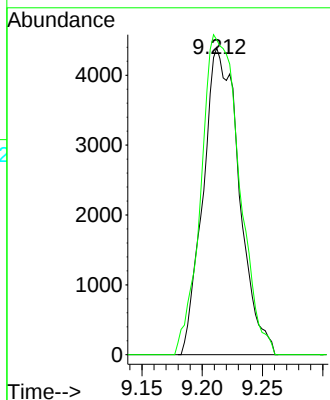
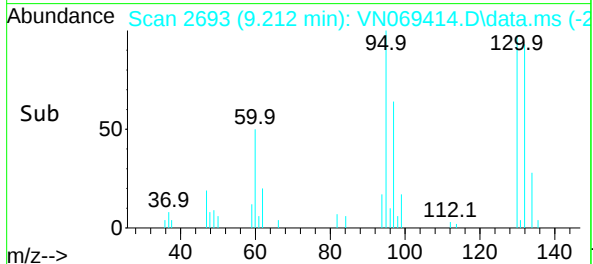
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



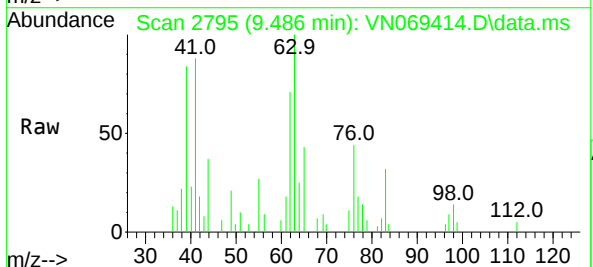
Tgt Ion:130 Resp: 912  
Ion Ratio Lower Upper  
130 100  
95 102.6 0.0 191.2

Manual Integrations  
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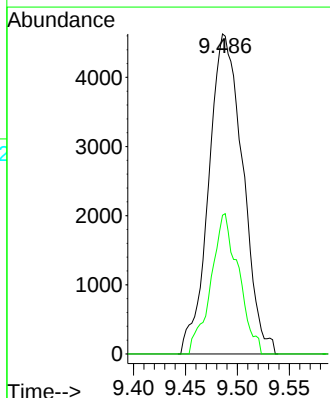
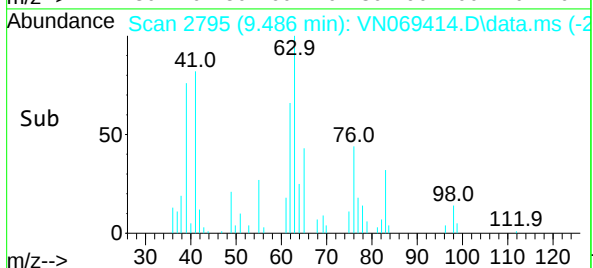
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021

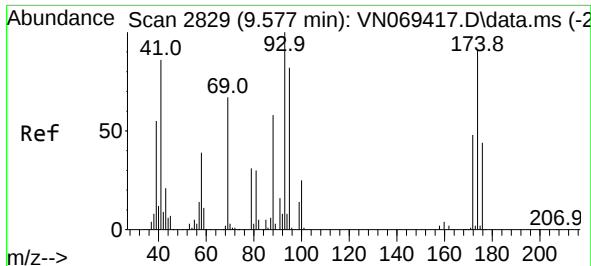


#45  
1,2-Dichloropropane  
Concen: 1.051 ug/l  
RT: 9.486 min Scan# 2795  
Delta R.T. -0.006 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



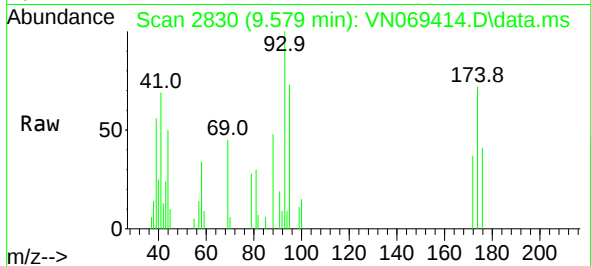
Tgt Ion: 63 Resp: 10542  
Ion Ratio Lower Upper  
63 100  
65 43.3 24.7 37.1#





#46  
Dibromomethane  
Concen: 1.052 ug/l  
RT: 9.579 min Scan# 2829  
Delta R.T. 0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

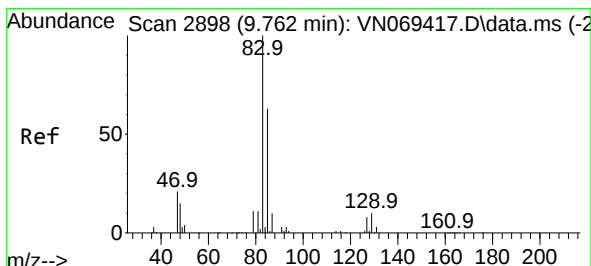
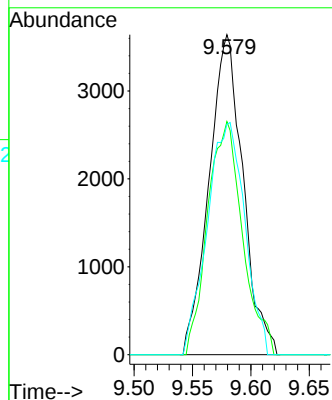
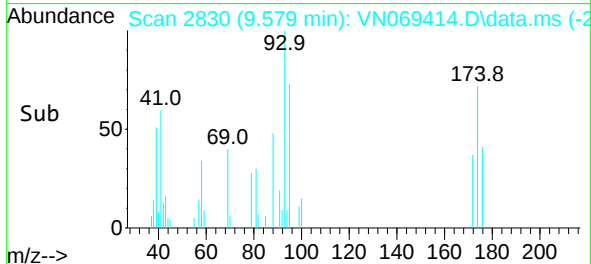
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



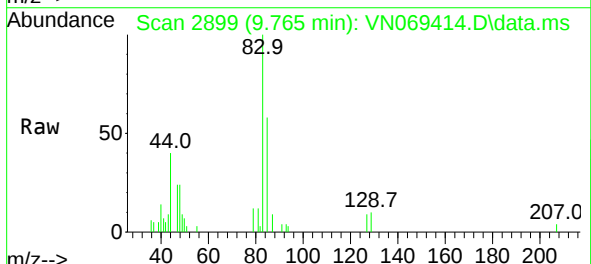
Tgt Ion: 93 Resp: 735  
Ion Ratio Lower Upper  
93 100  
95 75.1 65.9 98.9  
174 80.2 84.6 127.0

Manual Integrations  
APPROVED

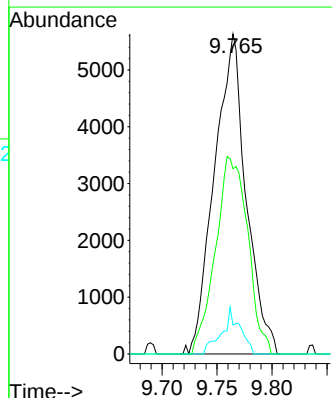
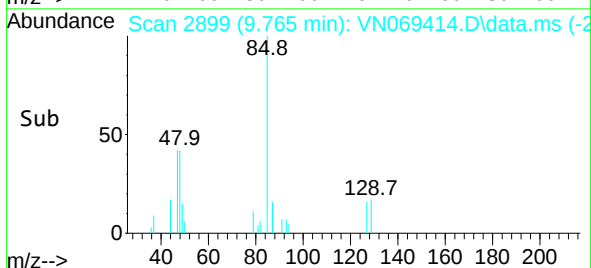
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021

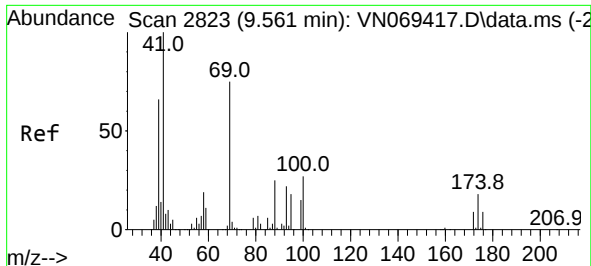


#47  
Bromodichloromethane  
Concen: 0.885 ug/l  
RT: 9.765 min Scan# 2899  
Delta R.T. 0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



Tgt Ion: 83 Resp: 11292  
Ion Ratio Lower Upper  
83 100  
85 57.9 50.9 76.3  
127 9.0 7.1 10.7





#48  
Methyl methacrylate  
Concen: 1.085 ug/l  
RT: 9.561 min Scan# 2823  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :

MSVOA\_N

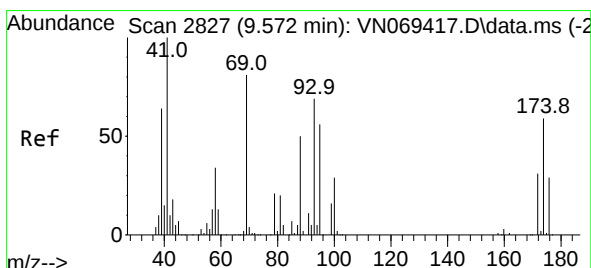
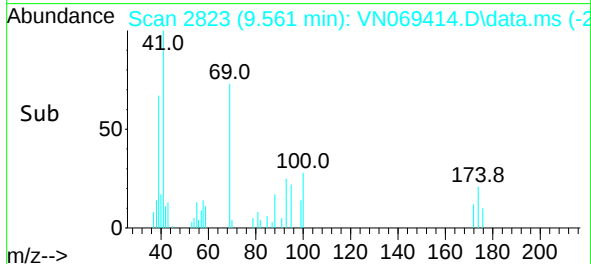
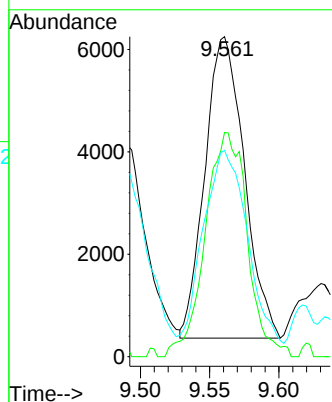
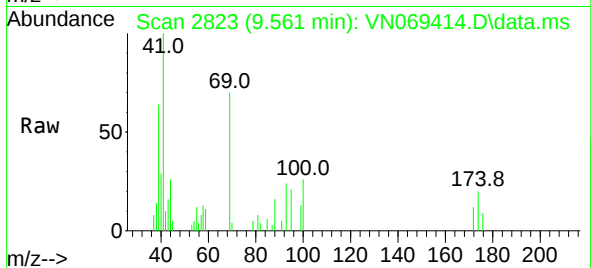
ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 1163  
Ion Ratio Lower Upper  
41 100  
69 79.2 72.4 108.6  
39 70.3 58.4 87.6

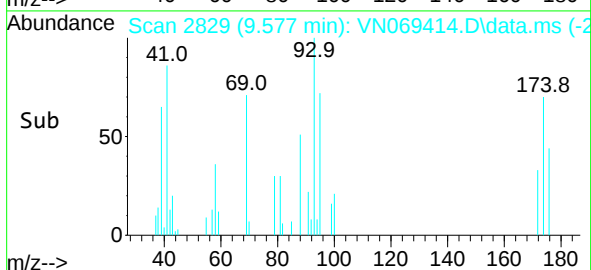
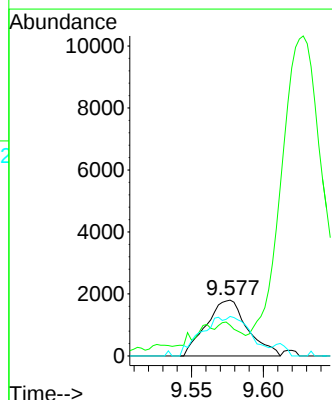
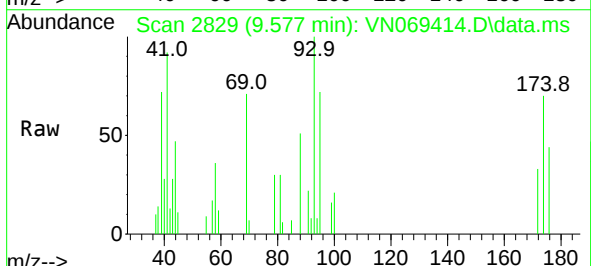
Manual Integrations  
APPROVED

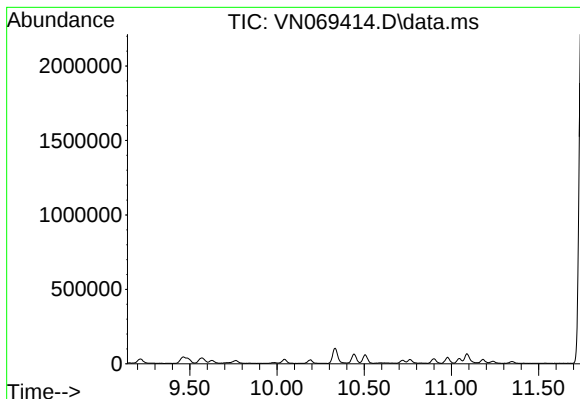
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#49  
1,4-Dioxane  
Concen: 15.397 ug/l  
RT: 9.577 min Scan# 2829  
Delta R.T. 0.005 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Tgt Ion: 88 Resp: 3585  
Ion Ratio Lower Upper  
88 100  
43 16.2 23.4 35.2#  
58 38.9 50.6 75.8#



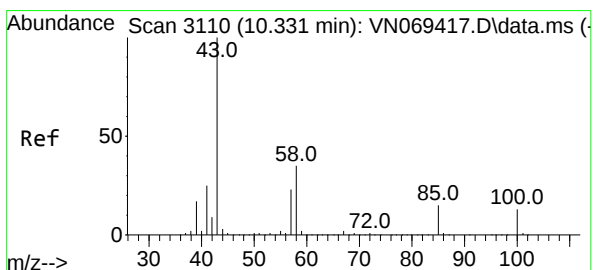
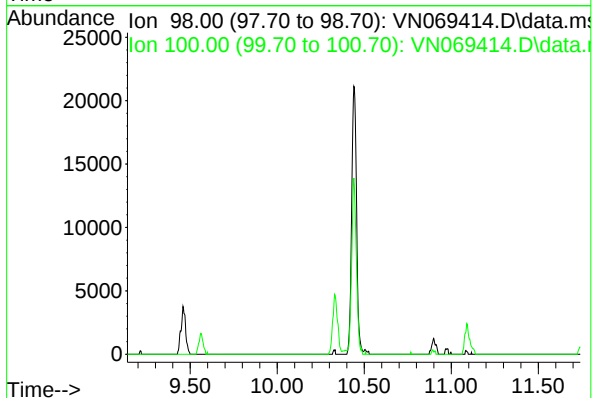


#50  
 Toluene-d8  
 Concen: 0.000 ug/l  
 Expected RT: 10.44 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51  
 Tgt Ion: 98  
 Sig Exp Ratio  
 98 100  
 100 63.0

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC001

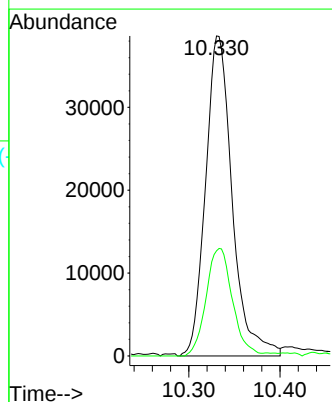
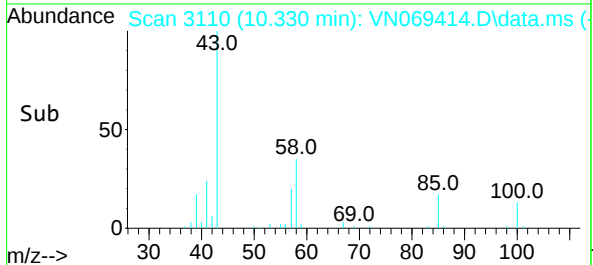
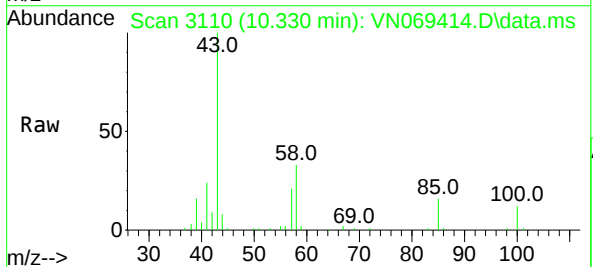
### Manual Integrations APPROVED

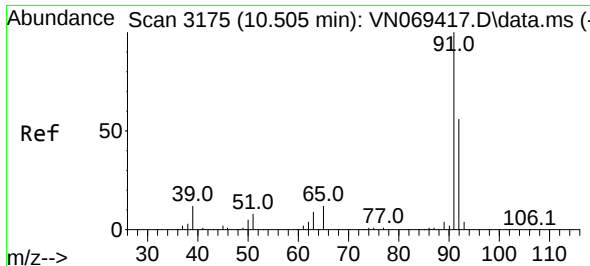
Reviewed By :John Carlone 11/10/2021  
 Supervised By :Semsettin Yesilyurt 11/17/2021



#51  
 4-Methyl-2-Pentanone  
 Concen: 5.093 ug/l  
 RT: 10.330 min Scan# 3110  
 Delta R.T. -0.000 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51

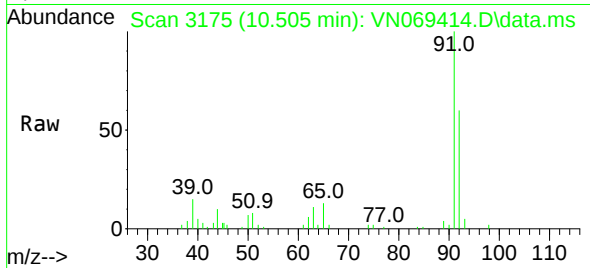
Tgt Ion: 43 Resp: 78420  
 Ion Ratio Lower Upper  
 43 100  
 58 33.1 30.4 45.6





#52  
Toluene  
Concen: 0.937 ug/l  
RT: 10.505 min Scan# 3175  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

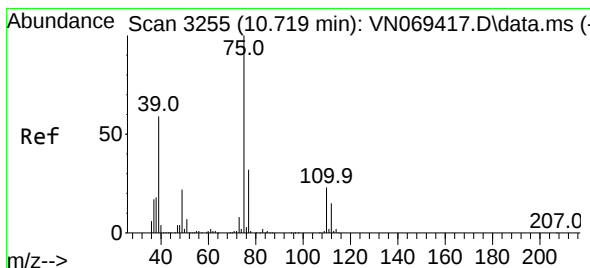
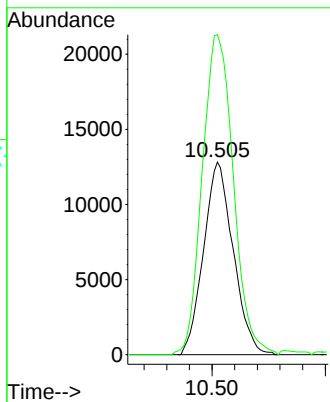
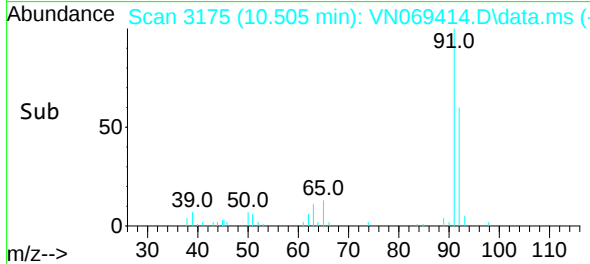
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



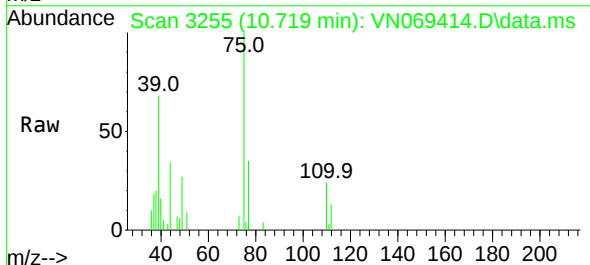
Tgt Ion: 92 Resp: 23280  
Ion Ratio Lower Upper  
92 100  
91 174.3 142.0 213.0

Manual Integrations  
APPROVED

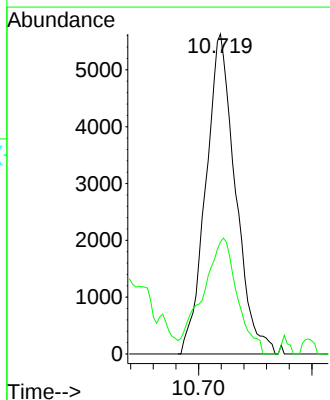
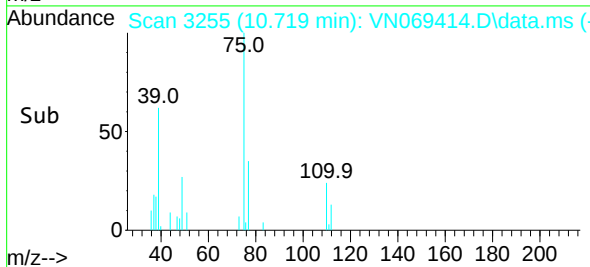
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021

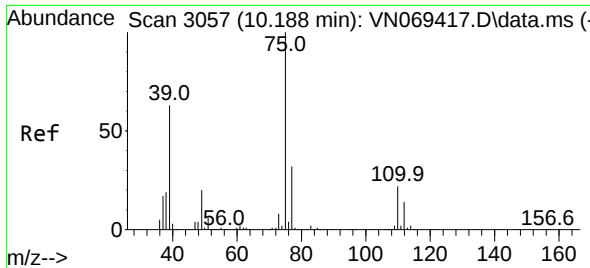


#53  
t-1,3-Dichloropropene  
Concen: 0.772 ug/l  
RT: 10.719 min Scan# 3255  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



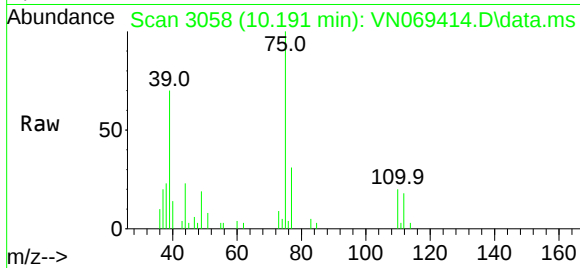
Tgt Ion: 75 Resp: 10196  
Ion Ratio Lower Upper  
75 100  
77 35.0 25.6 38.4





#54  
 cis-1,3-Dichloropropene  
 Concen: 0.834 ug/l  
 RT: 10.191 min Scan# 3057  
 Delta R.T. 0.003 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51

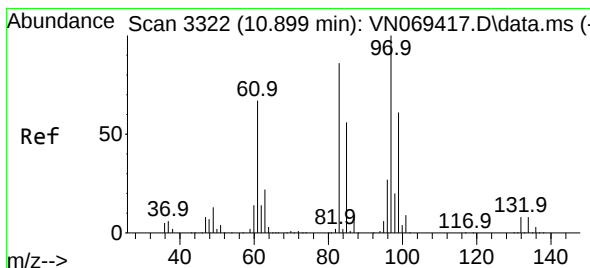
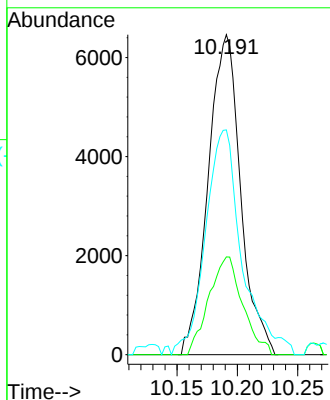
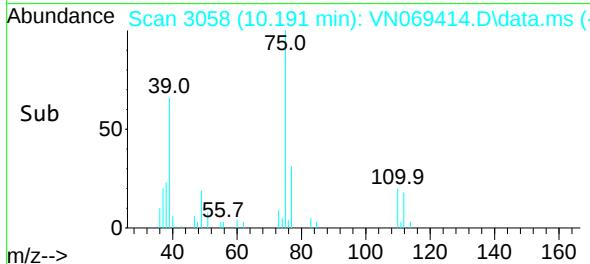
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001



Tgt Ion: 75 Resp: 1207  
 Ion Ratio Lower Upper  
 75 100  
 77 30.6 26.4 39.6  
 39 66.8 42.5 63.7

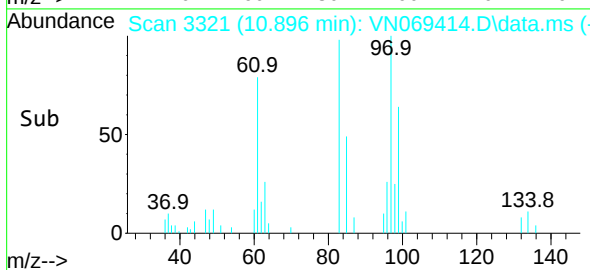
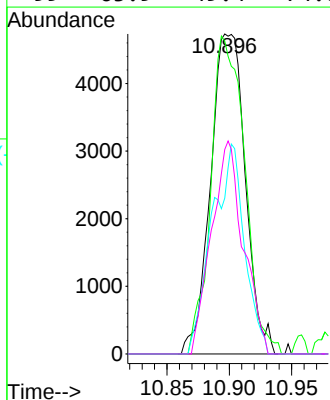
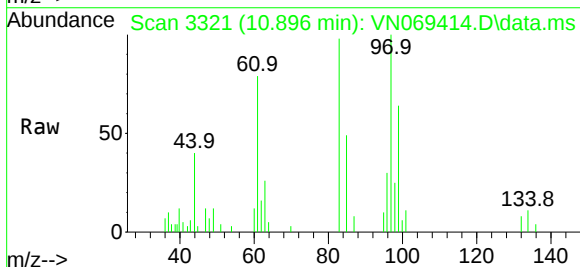
Manual Integrations  
 APPROVED

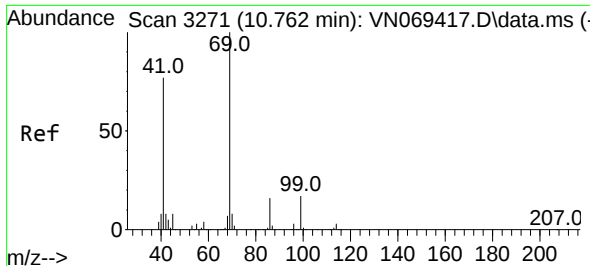
Reviewed By :John Carlone 11/10/2021  
 Supervised By :Semsettin Yesilyurt 11/17/2021



#55  
 1,1,2-Trichloroethane  
 Concen: 0.912 ug/l  
 RT: 10.896 min Scan# 3321  
 Delta R.T. -0.003 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51

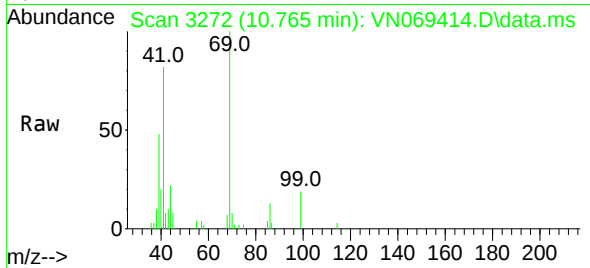
Tgt Ion: 97 Resp: 9166  
 Ion Ratio Lower Upper  
 97 100  
 83 97.7 67.8 101.6  
 85 48.7 45.4 68.2  
 99 63.9 49.4 74.0





#56  
Ethyl methacrylate  
Concen: 0.847 ug/l  
RT: 10.765 min Scan# 3271  
Delta R.T. 0.002 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

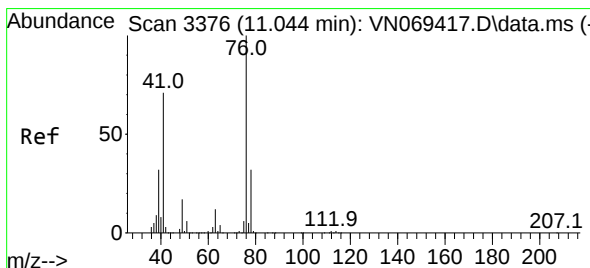
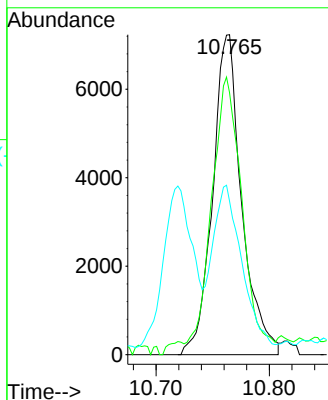
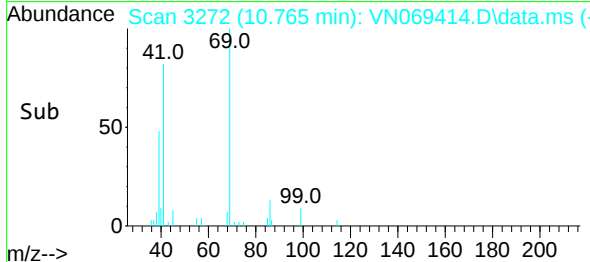
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



Tgt Ion: 69 Resp: 12889  
Ion Ratio Lower Upper  
69 100  
41 85.8 51.4 77.0  
39 50.1 34.6 52.0

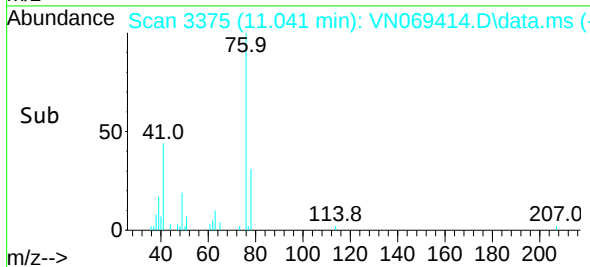
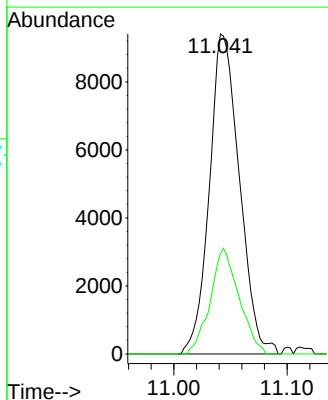
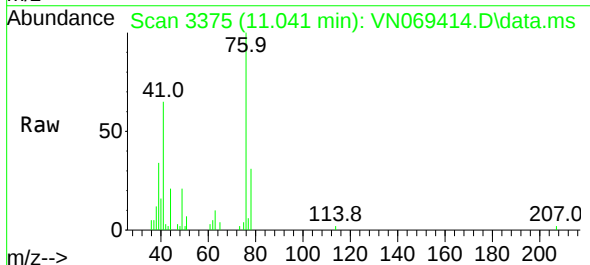
Manual Integrations  
APPROVED

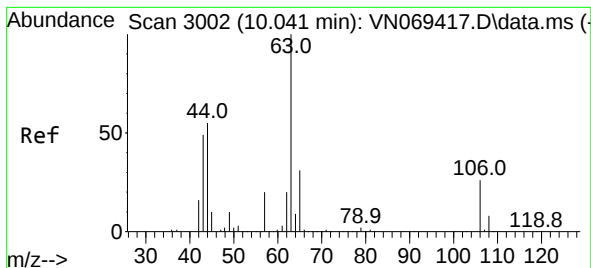
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#57  
1,3-Dichloropropane  
Concen: 1.029 ug/l  
RT: 11.041 min Scan# 3375  
Delta R.T. -0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Tgt Ion: 76 Resp: 17327  
Ion Ratio Lower Upper  
76 100  
78 31.6 25.7 38.5





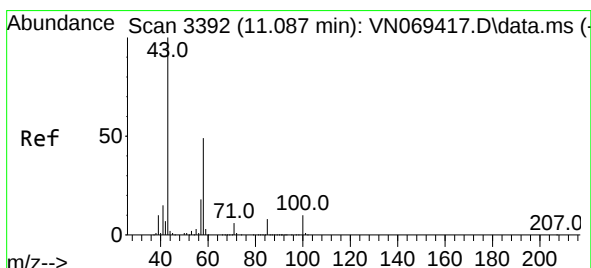
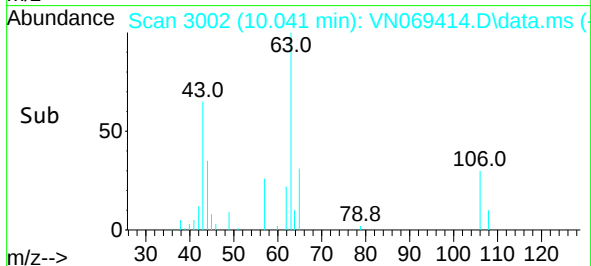
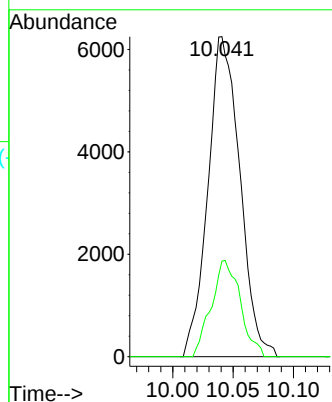
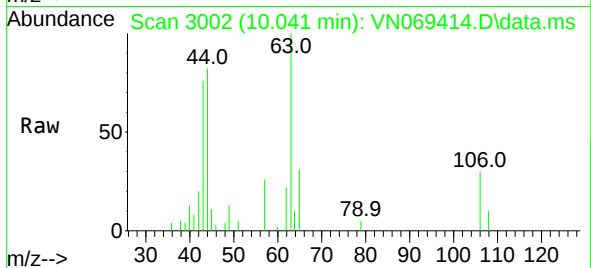
#58  
2-Chloroethyl Vinyl ether  
Concen: 3.437 ug/l  
RT: 10.041 min Scan# 3002  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 63 Resp: 11514  
Ion Ratio Lower Upper  
63 100  
106 27.3 23.9 35.9

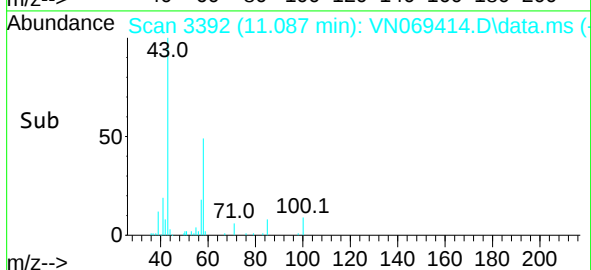
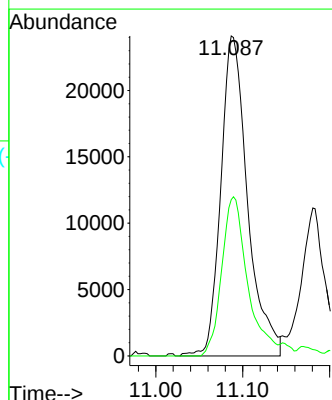
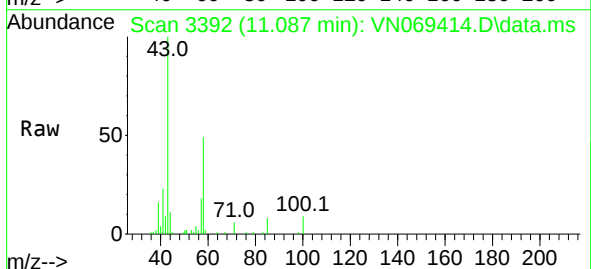
Manual Integrations  
APPROVED

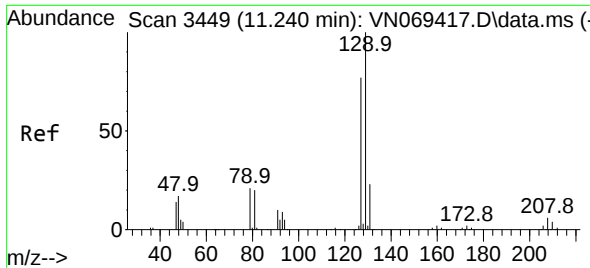
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#59  
2-Hexanone  
Concen: 4.517 ug/l  
RT: 11.087 min Scan# 3392  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Tgt Ion: 43 Resp: 51629  
Ion Ratio Lower Upper  
43 100  
58 47.9 26.9 80.7





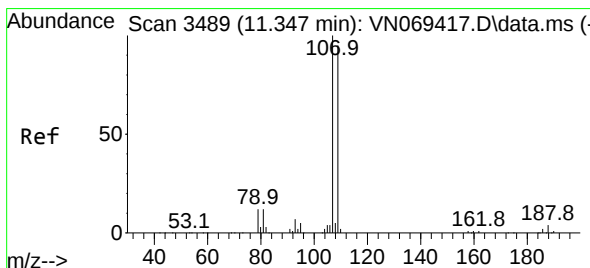
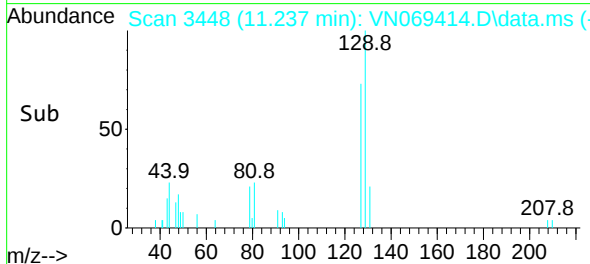
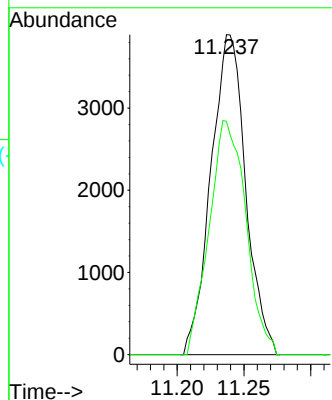
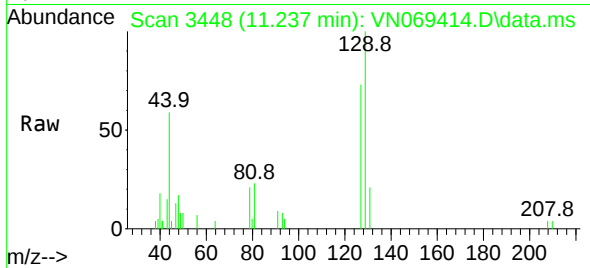
#60  
Dibromochloromethane  
Concen: 0.746 ug/l  
RT: 11.237 min Scan# 3448  
Delta R.T. -0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:129 Resp: 706  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.6 116.0

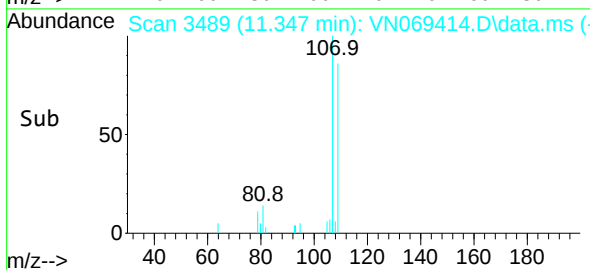
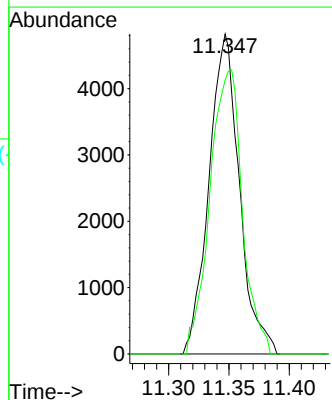
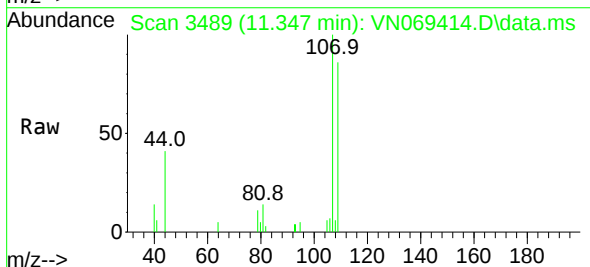
Manual Integrations  
APPROVED

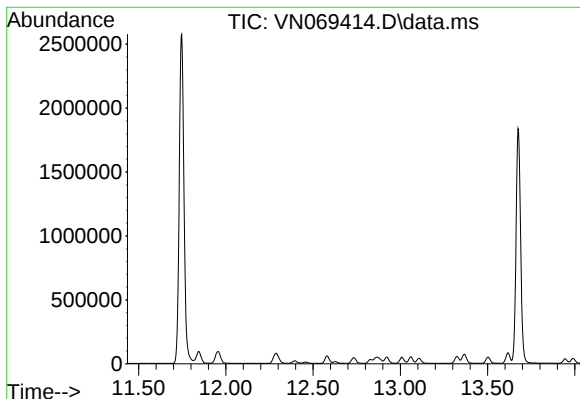
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#61  
1,2-Dibromoethane  
Concen: 0.829 ug/l  
RT: 11.347 min Scan# 3489  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Tgt Ion:107 Resp: 8468  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.7 113.5





#62  
4-Bromofluorobenzene  
Concen: 0.000 ug/l  
Expected RT: 12.73 min

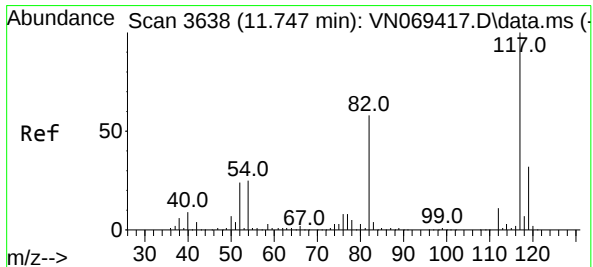
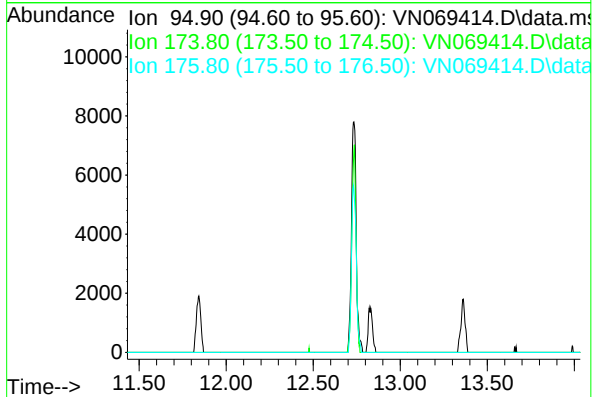
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion: 95  
Sig Exp Ratio  
95 100  
174 93.6  
176 90.7

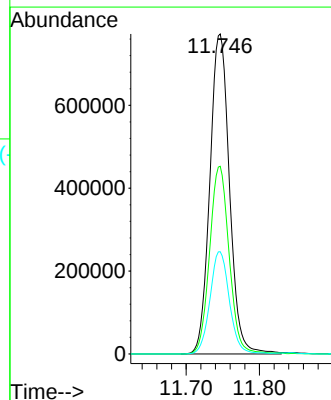
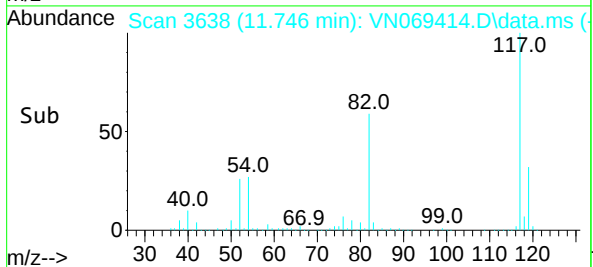
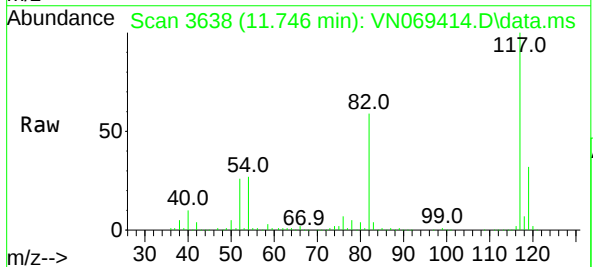
Manual Integrations  
APPROVED

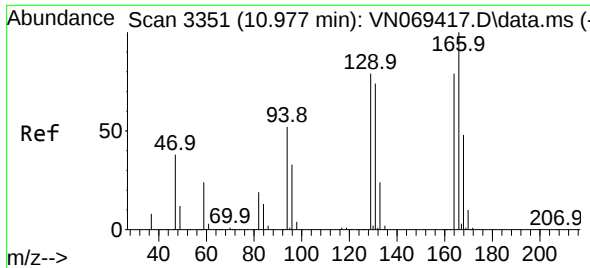
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

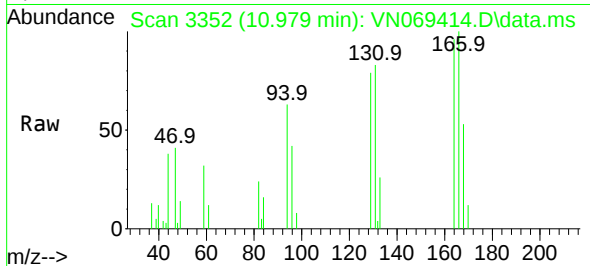
Tgt Ion:117 Resp: 1436882  
Ion Ratio Lower Upper  
117 100  
82 58.6 42.4 63.6  
119 31.9 25.4 38.2





#64  
Tetrachloroethene  
Concen: 1.015 ug/l  
RT: 10.979 min Scan# 3351  
Delta R.T. 0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

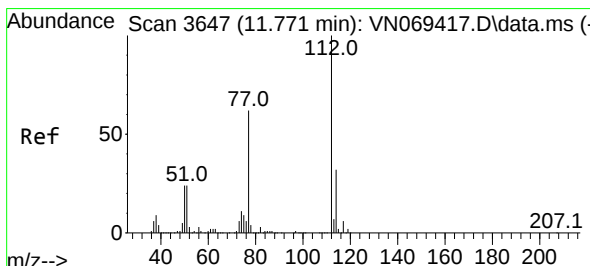
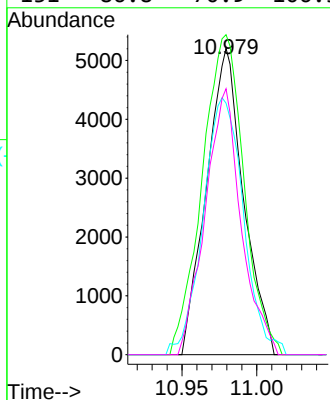
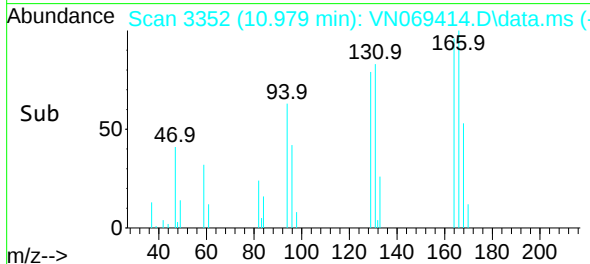
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



Tgt Ion:164 Resp: 8979  
Ion Ratio Lower Upper  
164 100  
166 100.8 101.9 152.9  
129 78.5 72.0 108.0  
131 86.8 70.9 106.3

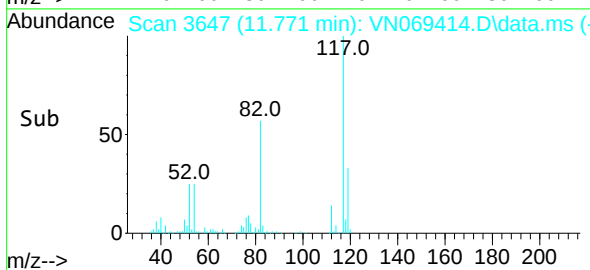
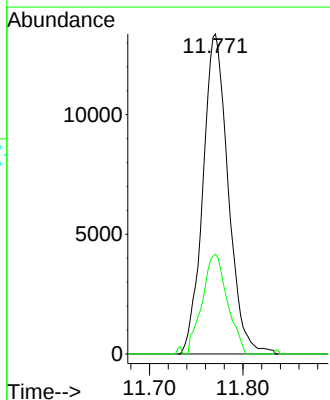
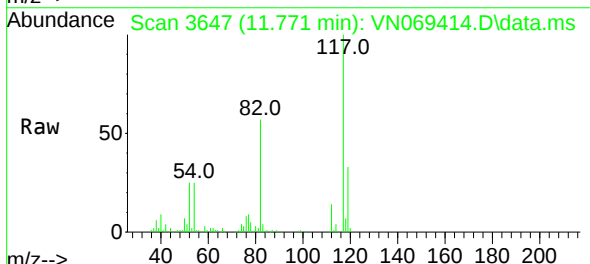
Manual Integrations  
APPROVED

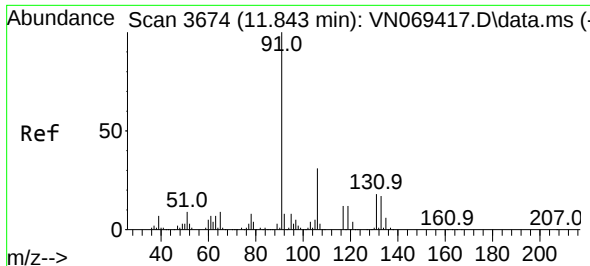
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#65  
Chlorobenzene  
Concen: 0.982 ug/l  
RT: 11.771 min Scan# 3647  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

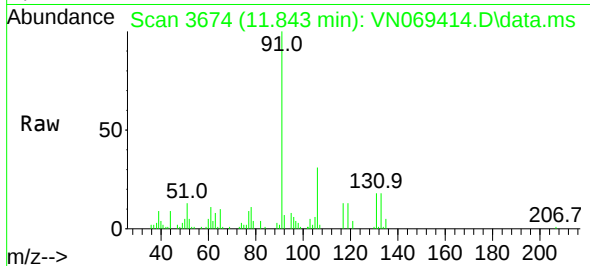
Tgt Ion:112 Resp: 25134  
Ion Ratio Lower Upper  
112 100  
114 29.9 25.4 38.0





#66  
1,1,1,2-Tetrachloroethane  
Concen: 0.859 ug/l  
RT: 11.843 min Scan# 3674  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

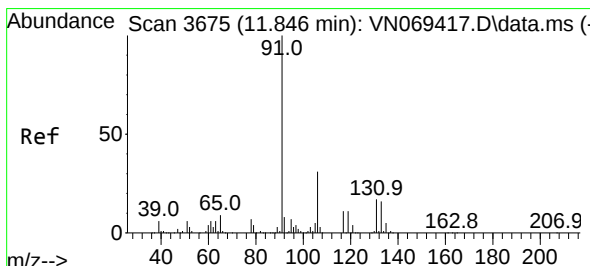
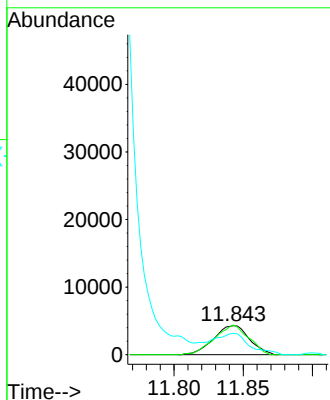
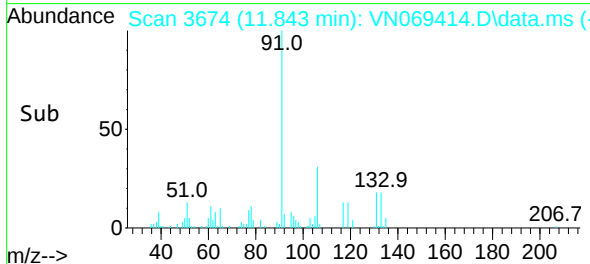
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



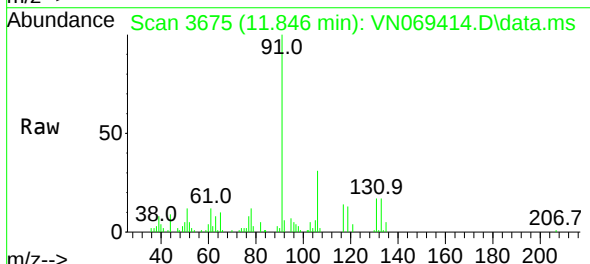
Tgt Ion:131 Resp: 773  
Ion Ratio Lower Upper  
131 100  
133 96.3 47.9 143.7  
119 0.0 32.1 96.5

Manual Integrations  
APPROVED

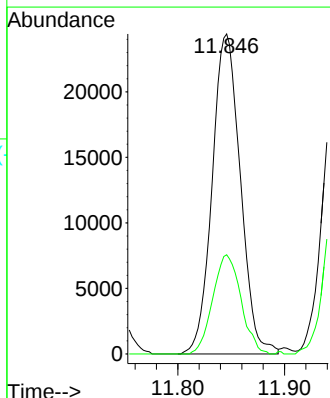
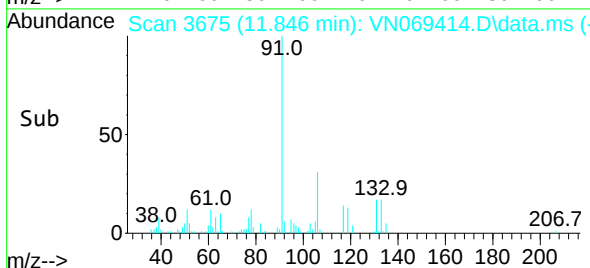
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021

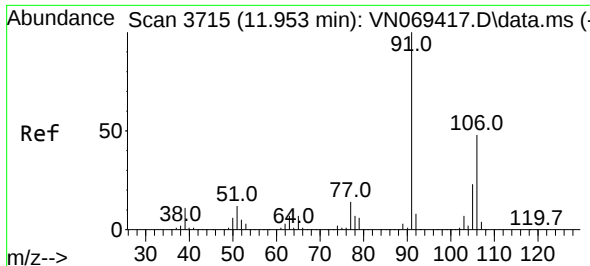


#67  
Ethyl Benzene  
Concen: 0.997 ug/l  
RT: 11.846 min Scan# 3675  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



Tgt Ion: 91 Resp: 44762  
Ion Ratio Lower Upper  
91 100  
106 31.0 25.7 38.5





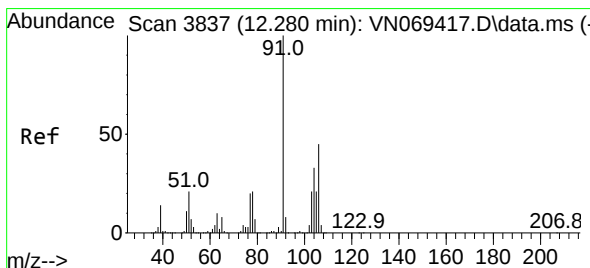
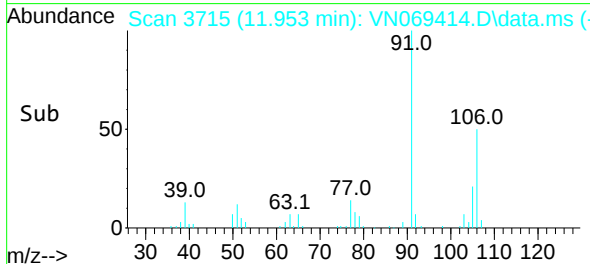
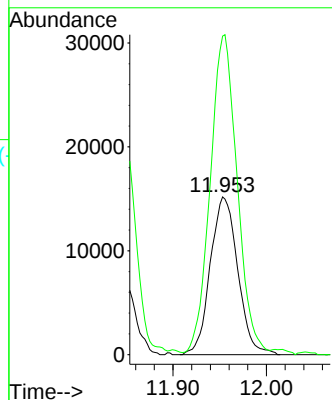
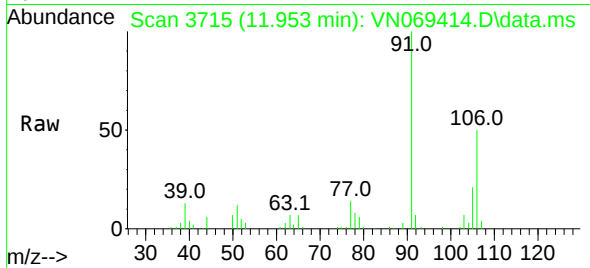
#68  
m/p-Xylenes  
Concen: 1.998 ug/l  
RT: 11.953 min Scan# 3106  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:106 Resp: 3106  
Ion Ratio Lower Upper  
106 100  
91 196.0 160.6 240.8

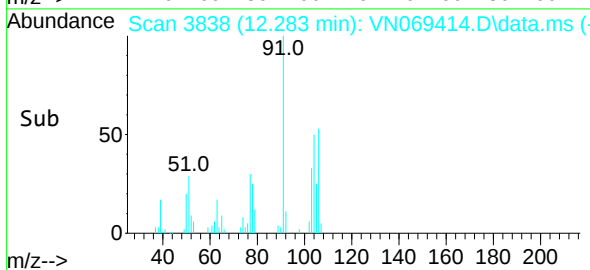
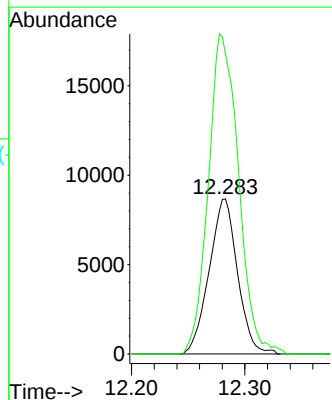
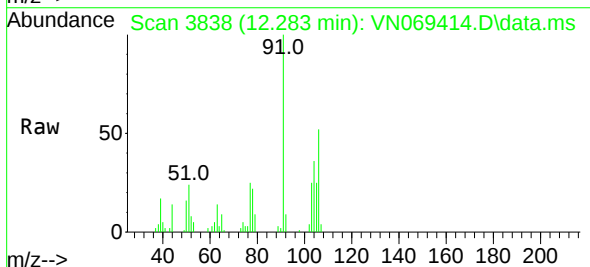
Manual Integrations  
APPROVED

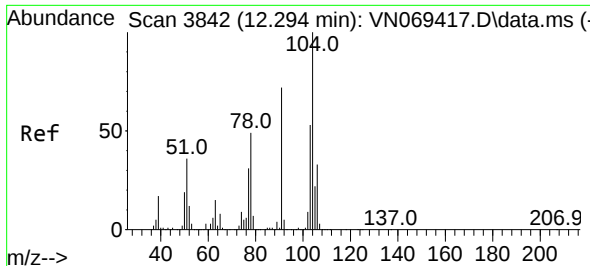
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#69  
o-Xylene  
Concen: 0.890 ug/l  
RT: 12.283 min Scan# 3838  
Delta R.T. 0.002 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Tgt Ion:106 Resp: 15068  
Ion Ratio Lower Upper  
106 100  
91 219.7 105.8 317.3





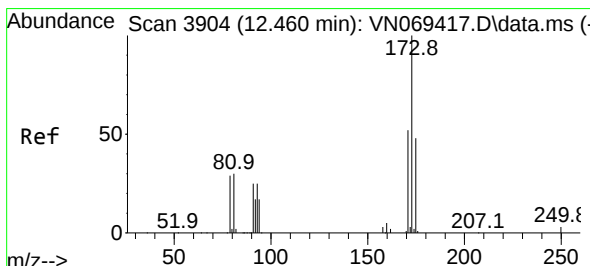
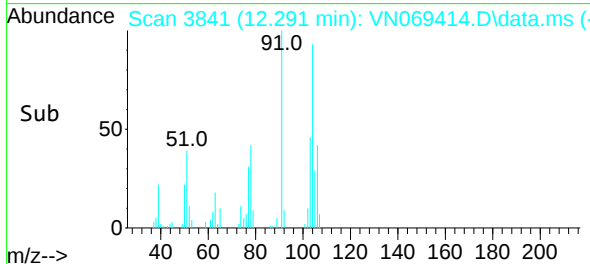
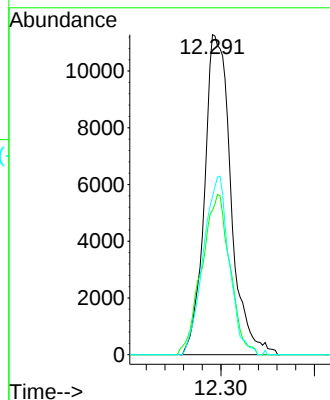
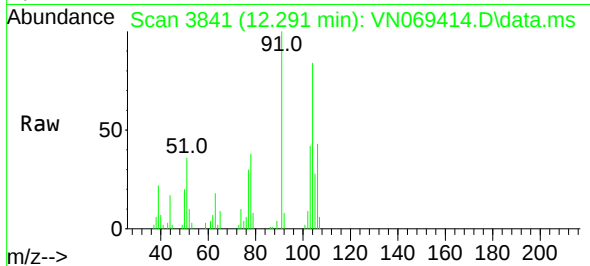
#70  
Styrene  
Concen: 0.829 ug/l  
RT: 12.291 min Scan# 3842  
Delta R.T. -0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:104 Resp: 22154  
Ion Ratio Lower Upper  
104 100  
78 53.5 38.7 58.1  
103 54.5 45.0 67.6

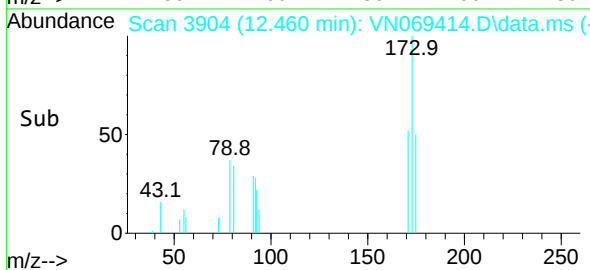
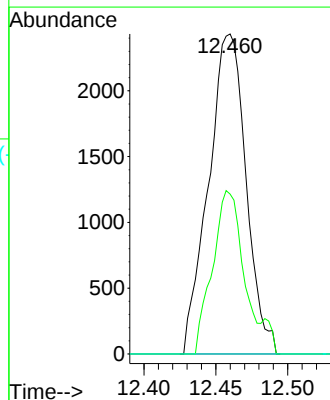
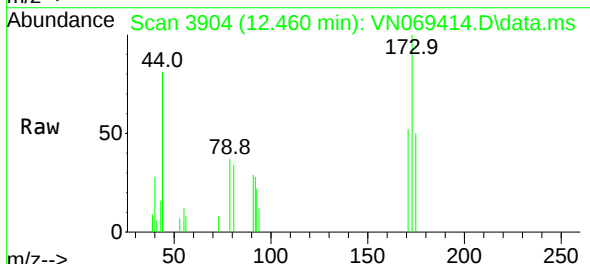
Manual Integrations  
APPROVED

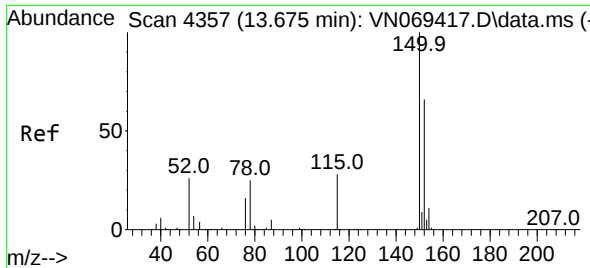
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#71  
Bromoform  
Concen: 0.681 ug/l  
RT: 12.460 min Scan# 3904  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

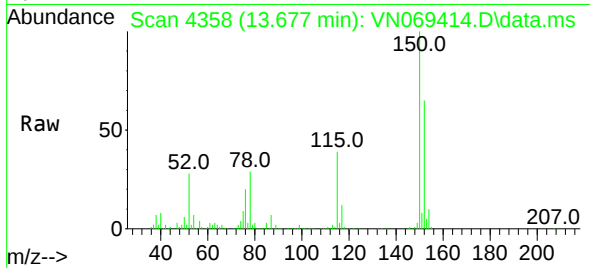
Tgt Ion:173 Resp: 4416  
Ion Ratio Lower Upper  
173 100  
175 41.9 24.2 72.6  
254 0.0 0.0 0.0





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 41  
Delta R.T. 0.002 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

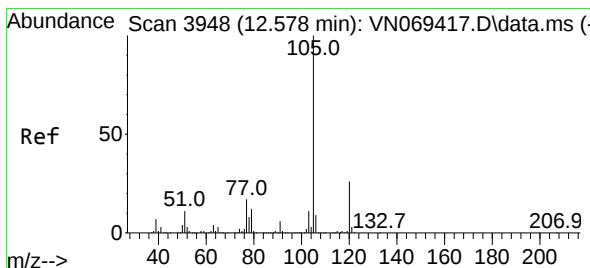
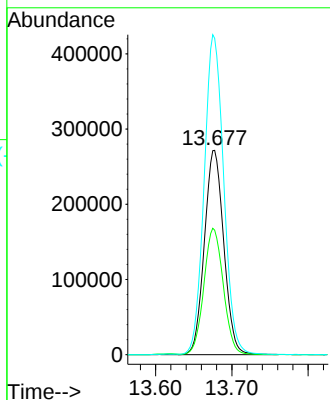
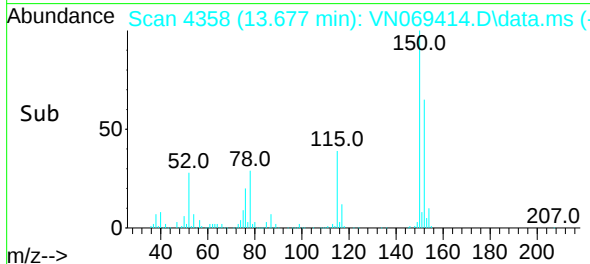
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



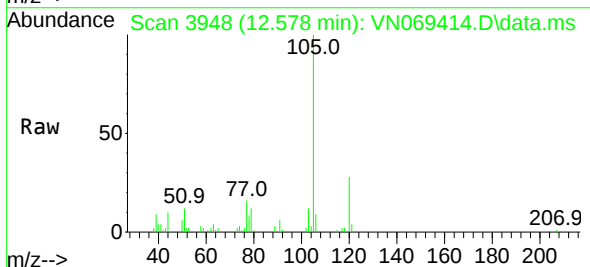
Tgt Ion:152 Resp: 479924  
Ion Ratio Lower Upper  
152 100  
115 62.0 27.5 82.5  
150 157.4 0.0 344.4

Manual Integrations  
APPROVED

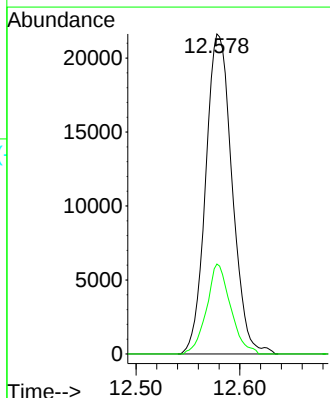
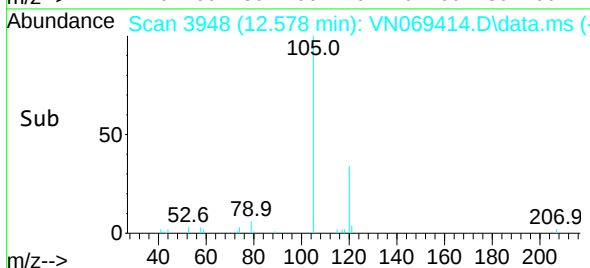
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021

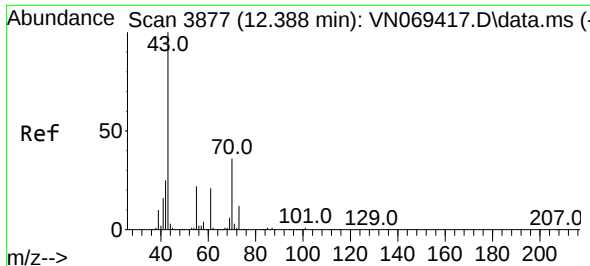


#73  
Isopropylbenzene  
Concen: 1.109 ug/l  
RT: 12.578 min Scan# 3948  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



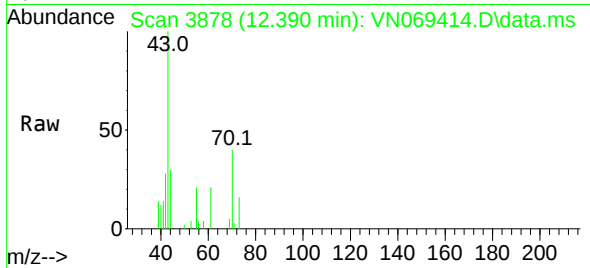
Tgt Ion:105 Resp: 38179  
Ion Ratio Lower Upper  
105 100  
120 25.6 13.4 40.1





#74  
N-amy1 acetate  
Concen: 1.066 ug/l  
RT: 12.390 min Scan# 3877  
Delta R.T. 0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

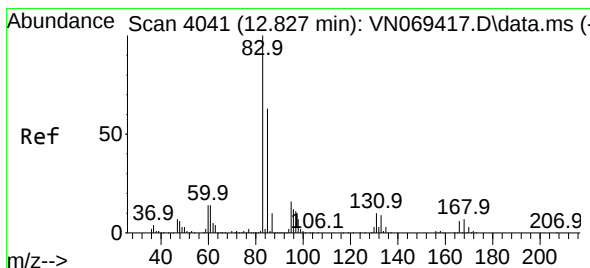
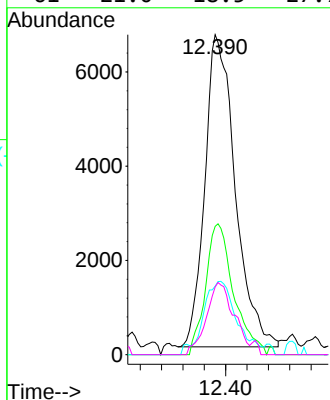
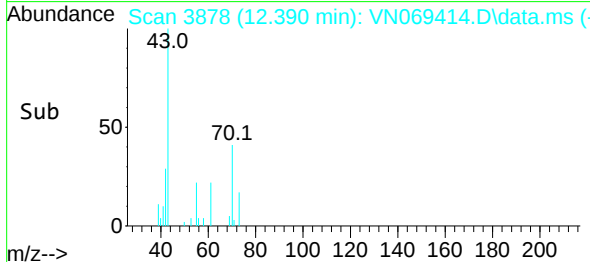
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



| Tgt Ion:  | 43   | Resp: | 1307  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 43        | 100  |       |       |
| 70        | 38.7 | 33.4  | 50.0  |
| 55        | 24.9 | 19.3  | 28.9  |
| 61        | 21.0 | 18.5  | 27.7  |

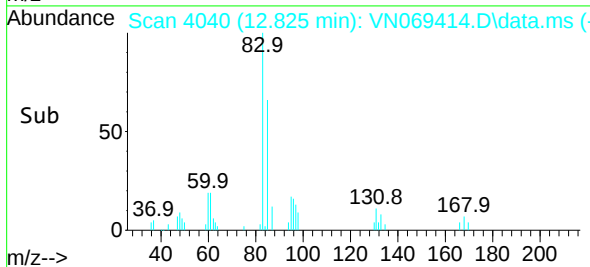
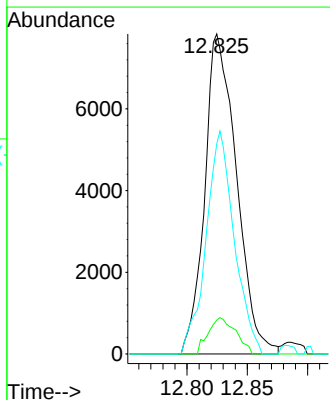
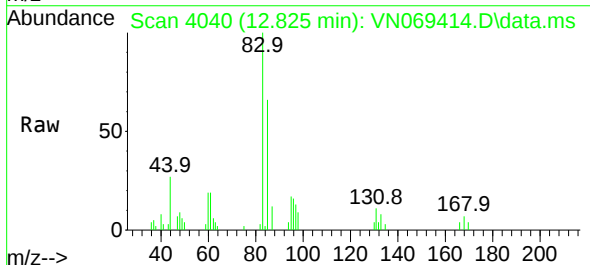
Manual Integrations  
APPROVED

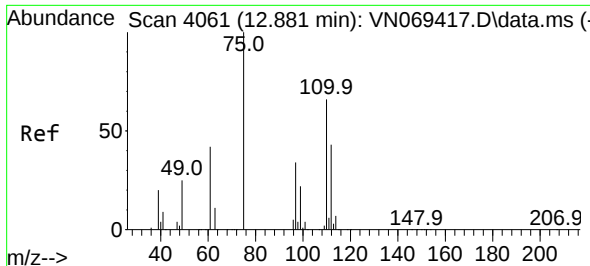
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#75  
1,1,2,2-Tetrachloroethane  
Concen: 1.291 ug/l  
RT: 12.825 min Scan# 4040  
Delta R.T. -0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

| Tgt Ion:  | 83   | Resp: | 14350 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 131       | 9.8  | 5.5   | 16.5  |
| 85        | 61.8 | 32.4  | 97.2  |





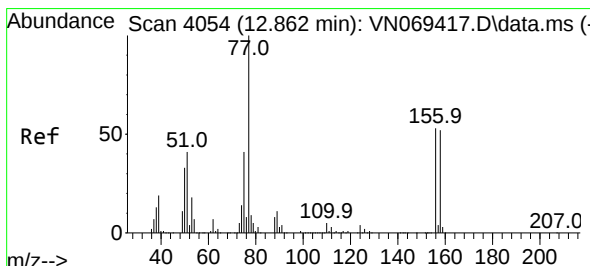
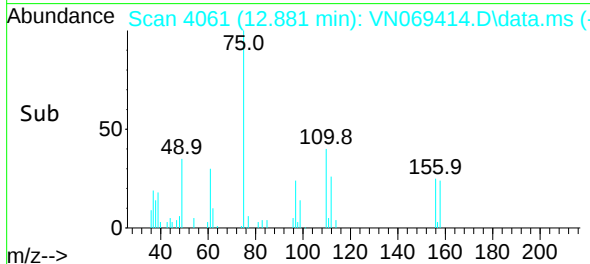
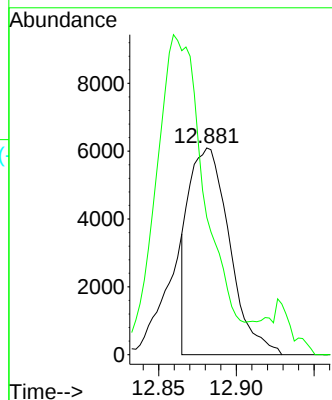
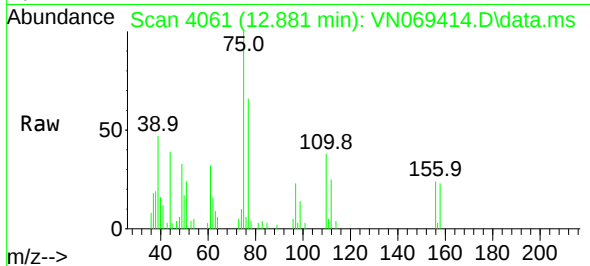
#76  
1,2,3-Trichloropropane  
Concen: 1.072 ug/l m  
RT: 12.881 min Scan# 4061  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 75 Resp: 11092  
Ion Ratio Lower Upper  
75 100  
77 0.0 82.6 247.8

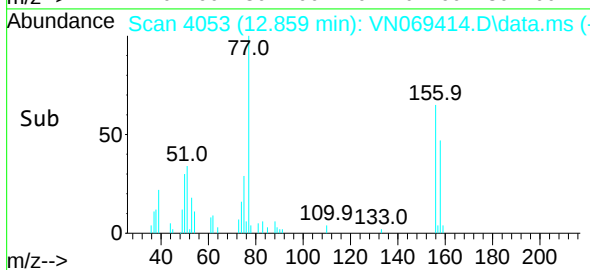
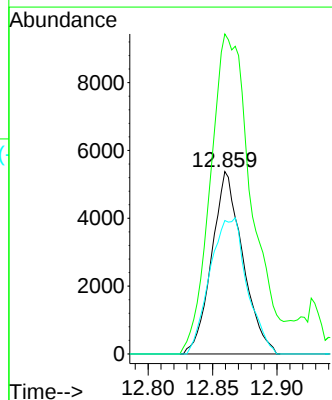
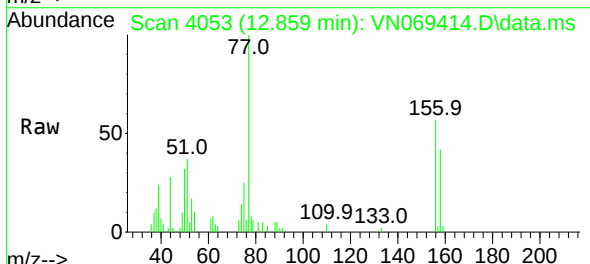
Manual Integrations  
APPROVED

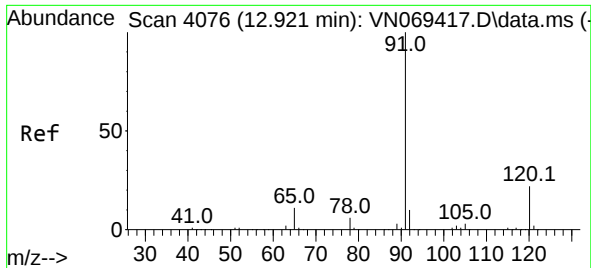
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#77  
Bromobenzene  
Concen: 1.057 ug/l  
RT: 12.859 min Scan# 4053  
Delta R.T. -0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Tgt Ion:156 Resp: 8984  
Ion Ratio Lower Upper  
156 100  
77 233.2 90.6 271.8  
158 89.0 48.9 146.7





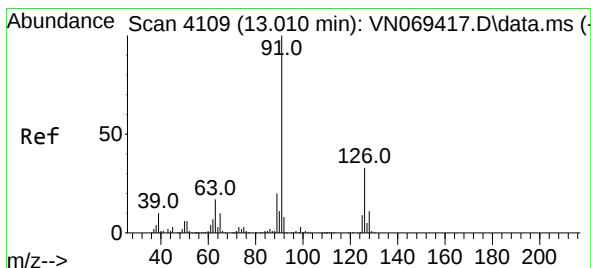
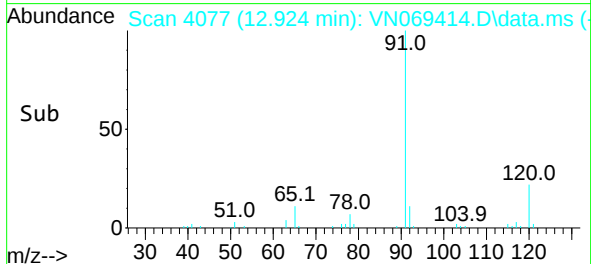
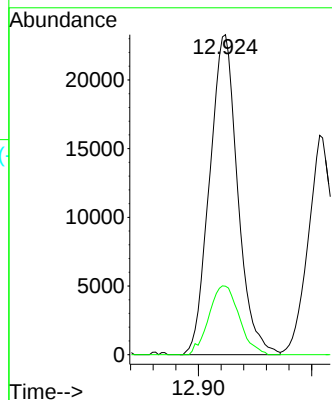
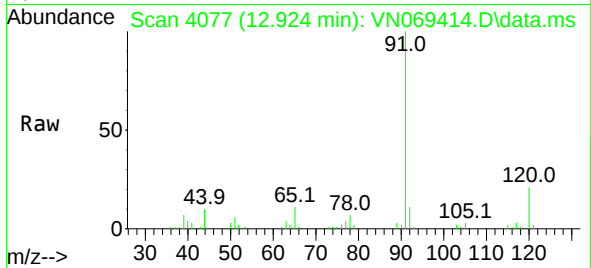
#78  
n-propylbenzene  
Concen: 1.072 ug/l  
RT: 12.924 min Scan# 4076  
Delta R.T. 0.002 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion: 91 Resp: 4010  
Ion Ratio Lower Upper  
91 100  
120 23.2 11.9 35.9

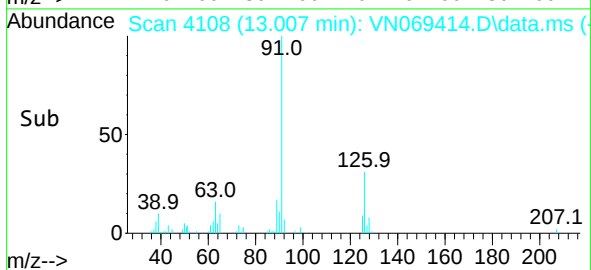
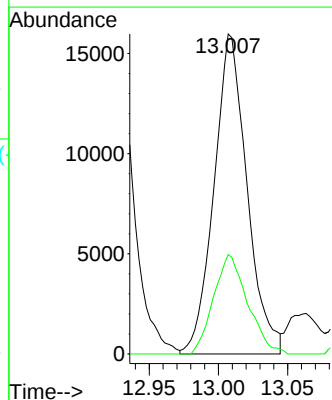
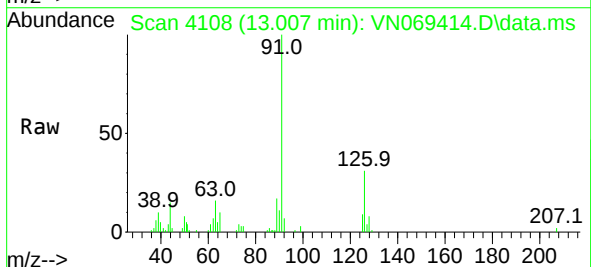
Manual Integrations  
APPROVED

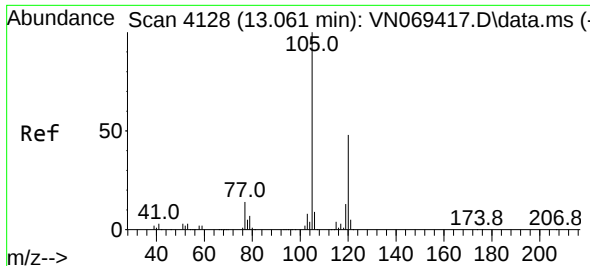
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#79  
2-Chlorotoluene  
Concen: 1.142 ug/l  
RT: 13.007 min Scan# 4108  
Delta R.T. -0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

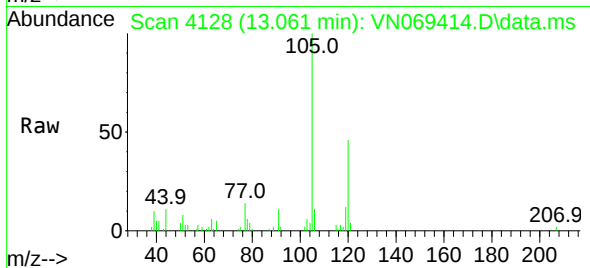
Tgt Ion: 91 Resp: 26479  
Ion Ratio Lower Upper  
91 100  
126 32.0 18.3 54.8





#80  
1,3,5-Trimethylbenzene  
Concen: 1.030 ug/l  
RT: 13.061 min Scan# 4128  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

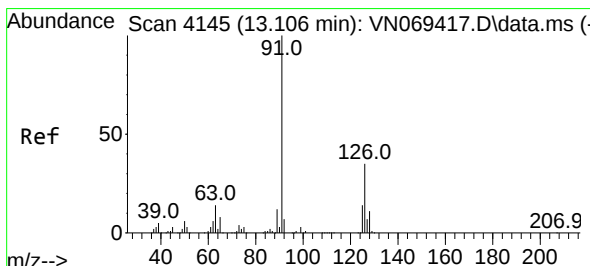
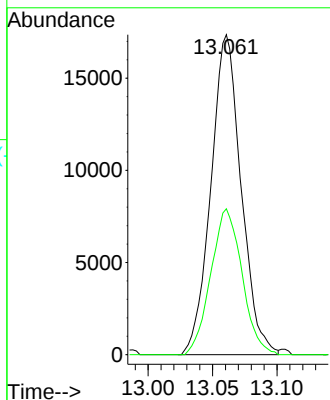
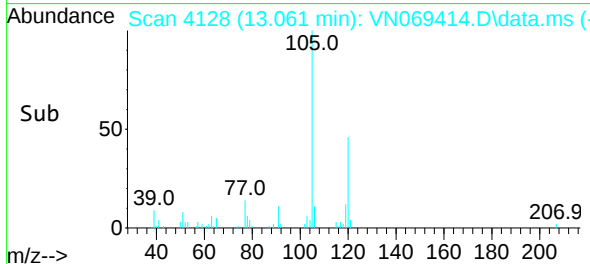
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



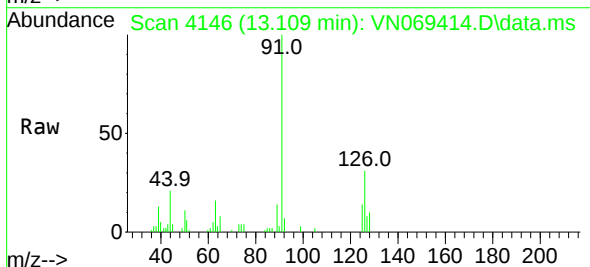
Tgt Ion:105 Resp: 2829  
Ion Ratio Lower Upper  
105 100  
120 47.1 24.6 73.6

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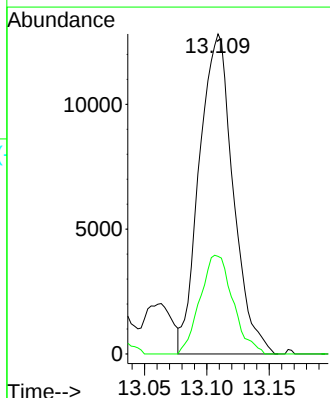
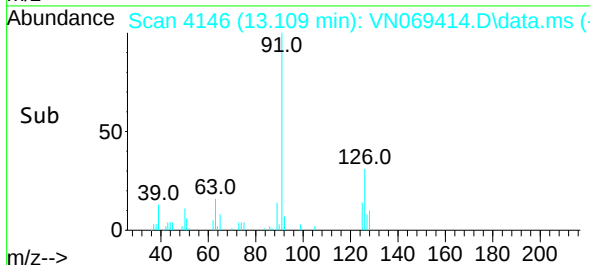
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021

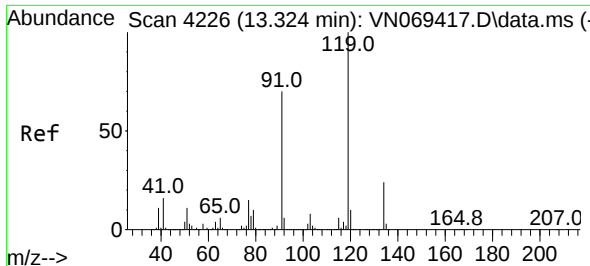


#82  
4-Chlorotoluene  
Concen: 1.101 ug/l  
RT: 13.109 min Scan# 4146  
Delta R.T. 0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



Tgt Ion: 91 Resp: 24180  
Ion Ratio Lower Upper  
91 100  
126 30.0 18.2 54.6





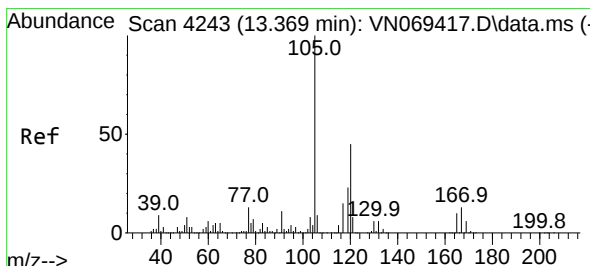
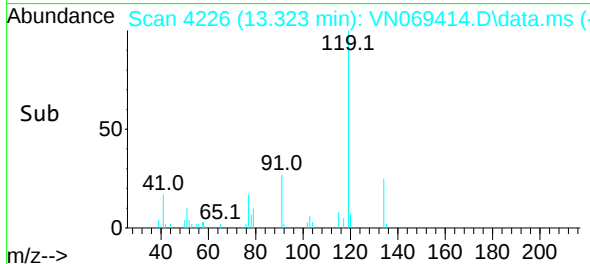
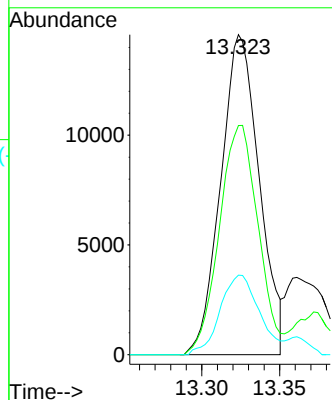
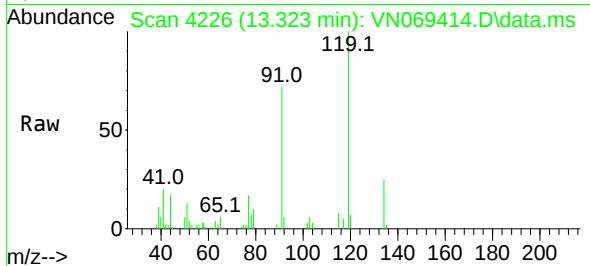
#83  
tert-Butylbenzene  
Concen: 0.996 ug/l  
RT: 13.323 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:119 Resp: 2508  
Ion Ratio Lower Upper  
119 100  
91 72.5 31.5 94.5  
134 25.6 12.4 37.4

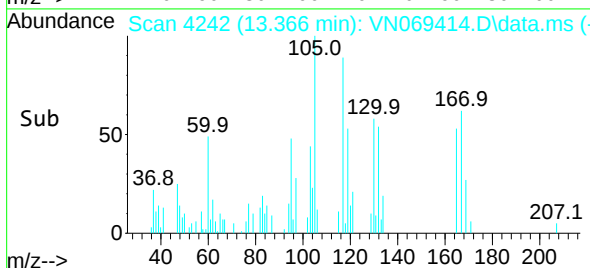
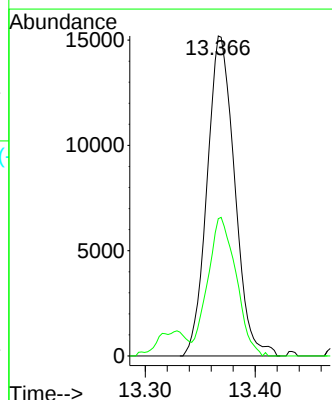
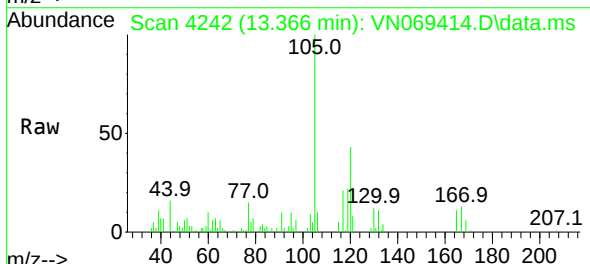
Manual Integrations  
APPROVED

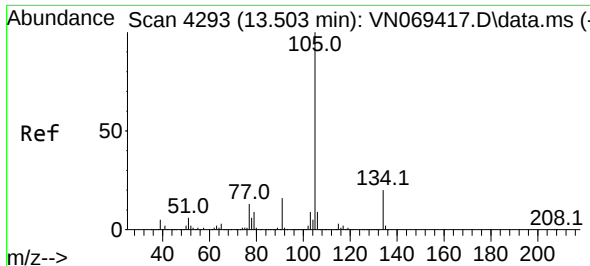
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#84  
1,2,4-Trimethylbenzene  
Concen: 0.994 ug/l  
RT: 13.366 min Scan# 4242  
Delta R.T. -0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

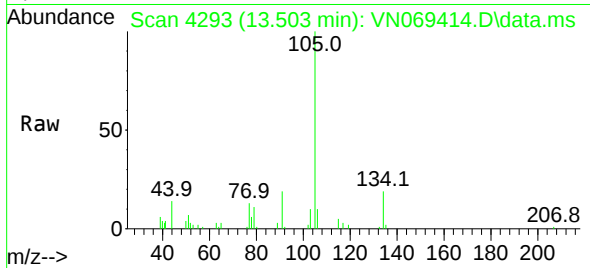
Tgt Ion:105 Resp: 26434  
Ion Ratio Lower Upper  
105 100  
120 44.6 22.8 68.4





#85  
 sec-Butylbenzene  
 Concen: 0.984 ug/l  
 RT: 13.503 min Scan# 4293  
 Delta R.T. -0.000 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51

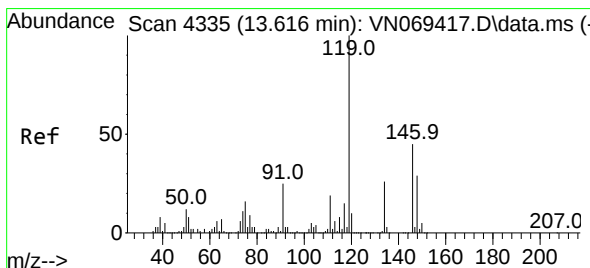
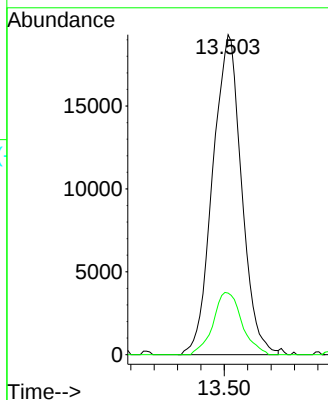
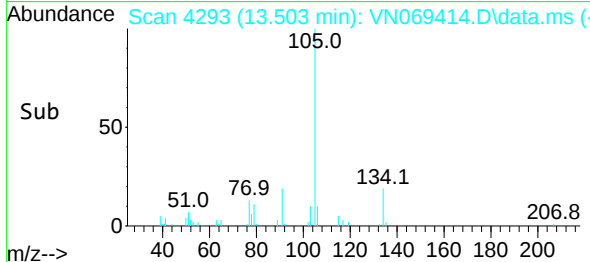
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001



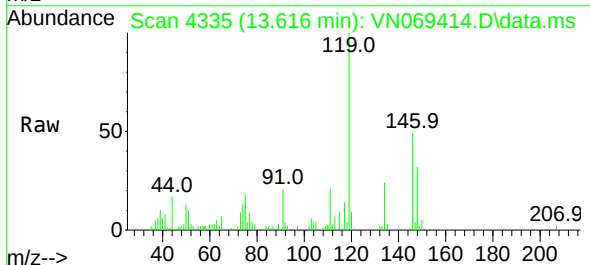
Tgt Ion:105 Resp: 33080  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 10.4 31.1

Manual Integrations  
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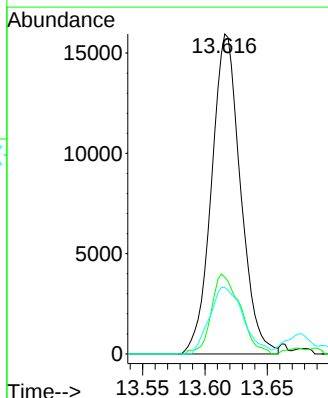
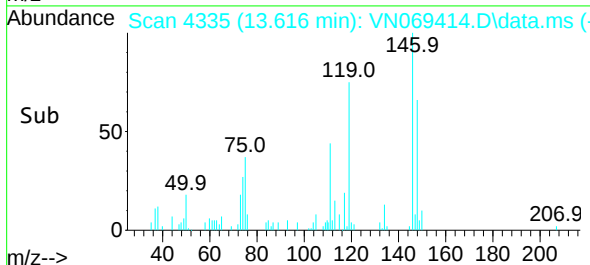
Reviewed By :John Carlone 11/10/2021  
 Supervised By :Semsettin Yesilyurt 11/17/2021

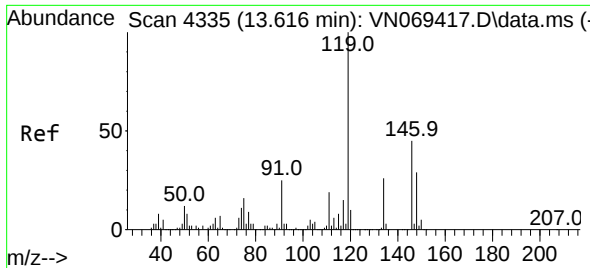


#86  
 p-Isopropyltoluene  
 Concen: 0.944 ug/l  
 RT: 13.616 min Scan# 4335  
 Delta R.T. -0.000 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51



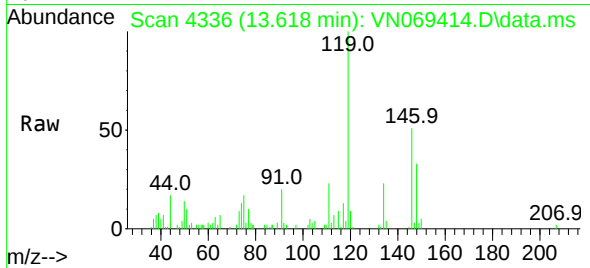
Tgt Ion:119 Resp: 25760  
 Ion Ratio Lower Upper  
 119 100  
 134 24.9 13.6 40.7  
 91 24.3 11.4 34.1





#87  
1,3-Dichlorobenzene  
Concen: 1.011 ug/l  
RT: 13.618 min Scan# 4336  
Delta R.T. 0.002 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

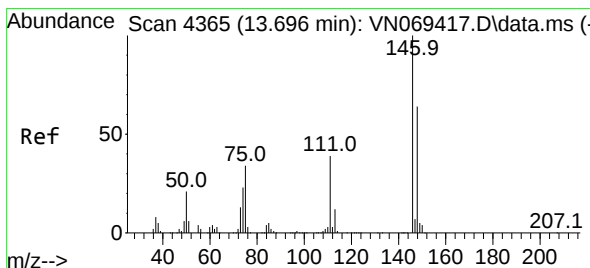
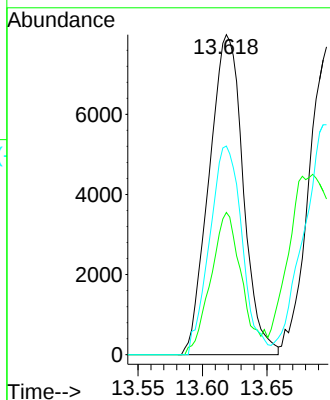
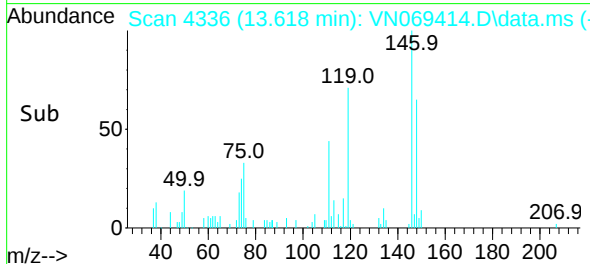
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



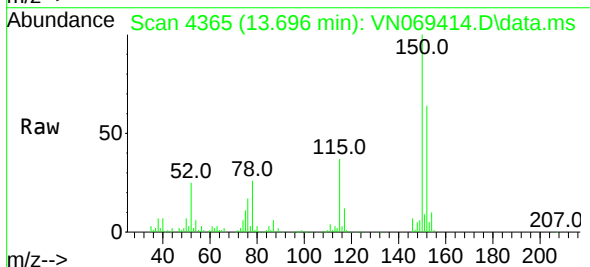
Tgt Ion:146 Resp: 1470  
Ion Ratio Lower Upper  
146 100  
111 39.9 18.6 55.6  
148 62.4 31.6 95.0

Manual Integrations  
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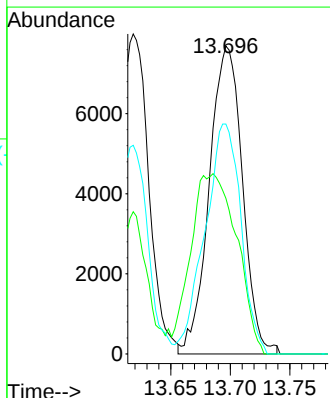
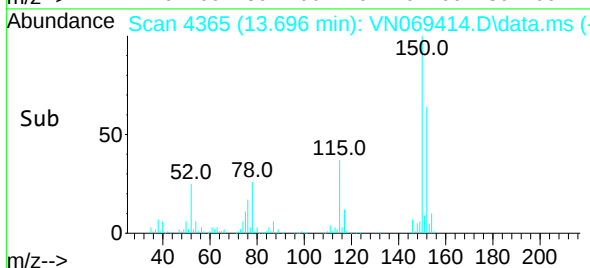
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021

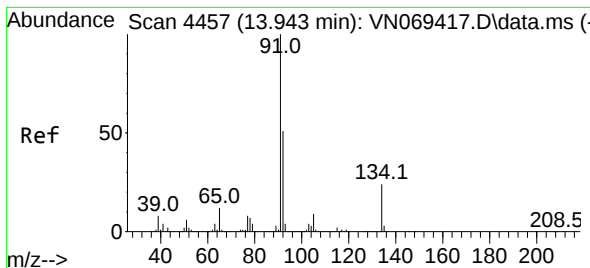


#88  
1,4-Dichlorobenzene  
Concen: 1.035 ug/l m  
RT: 13.696 min Scan# 4365  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



Tgt Ion:146 Resp: 14896  
Ion Ratio Lower Upper  
146 100  
111 39.4 18.3 54.8  
148 61.6 31.8 95.4





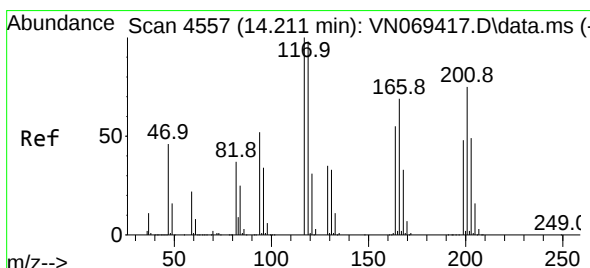
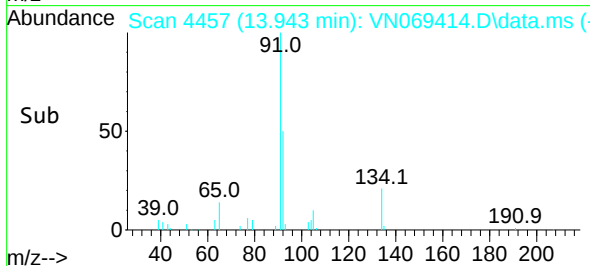
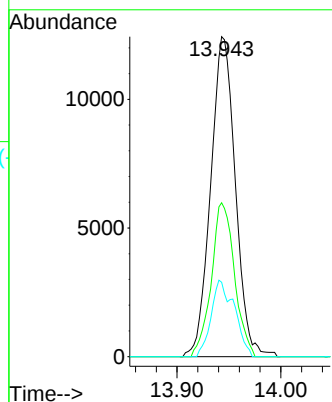
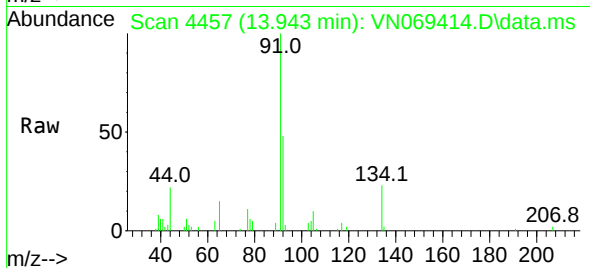
#89  
n-Butylbenzene  
Concen: 0.963 ug/l  
RT: 13.943 min Scan# 4457  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 91 Resp: 20562  
Ion Ratio Lower Upper  
91 100  
92 45.0 25.4 76.0  
134 22.5 13.6 40.8

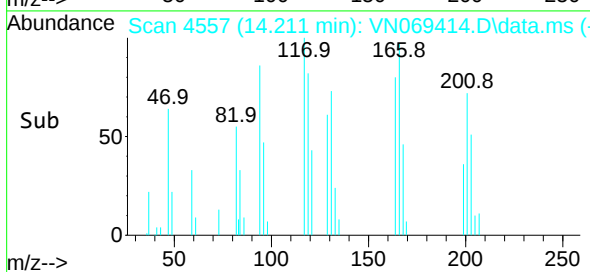
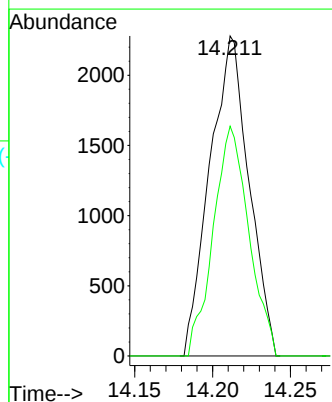
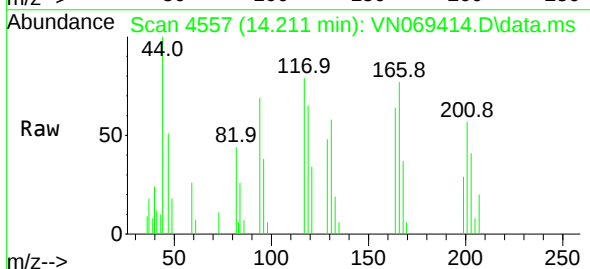
Manual Integrations  
APPROVED

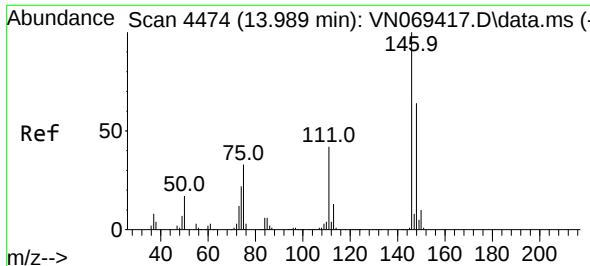
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#90  
Hexachloroethane  
Concen: 0.907 ug/l  
RT: 14.211 min Scan# 4557  
Delta R.T. -0.000 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

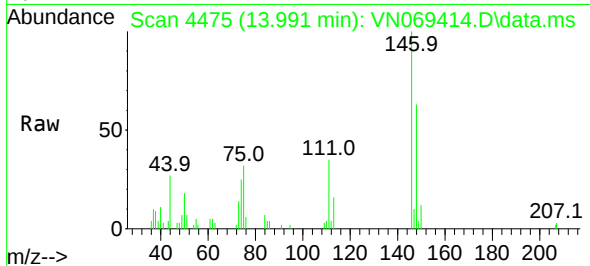
Tgt Ion:117 Resp: 3984  
Ion Ratio Lower Upper  
117 100  
201 65.1 43.9 131.6





#91  
1,2-Dichlorobenzene  
Concen: 0.962 ug/l  
RT: 13.991 min Scan# 4475  
Delta R.T. 0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

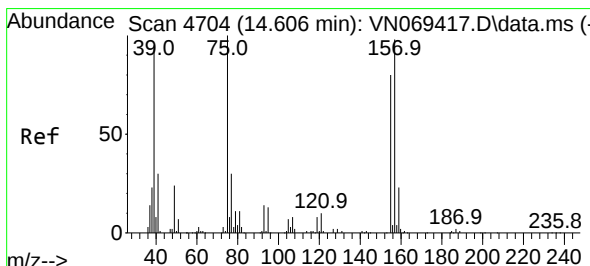
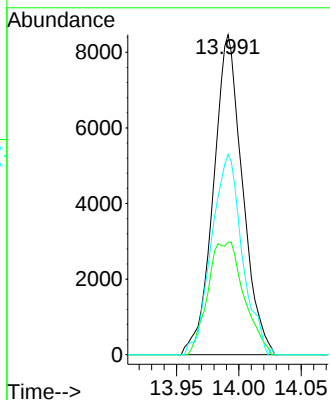
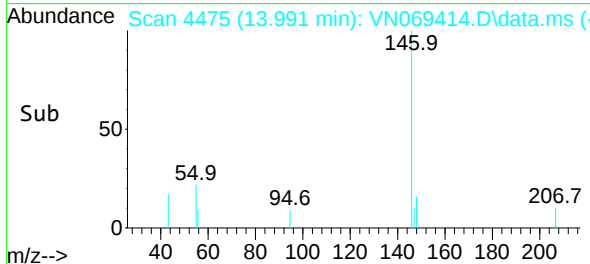
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



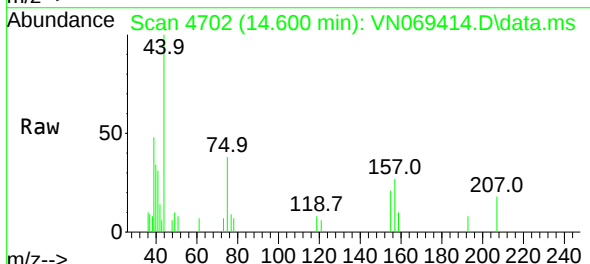
Tgt Ion:146 Resp: 13710  
Ion Ratio Lower Upper  
146 100  
111 43.7 19.1 57.3  
148 66.2 32.1 96.3

Manual Integrations  
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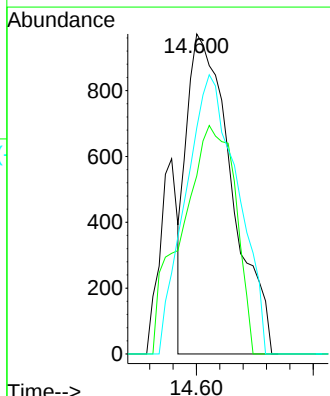
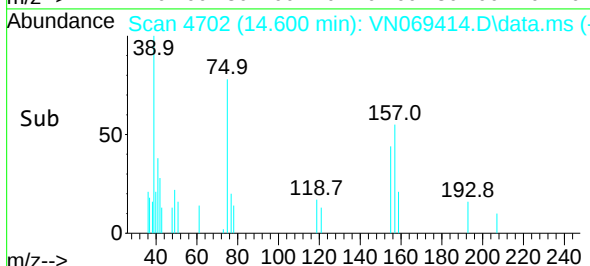
Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021

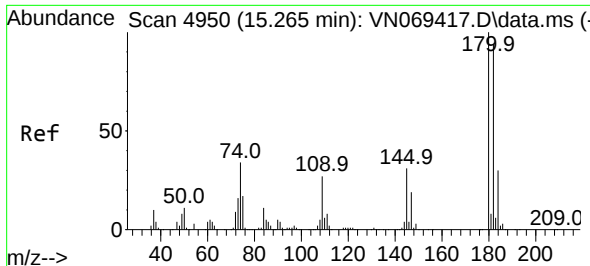


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.735 ug/l  
RT: 14.600 min Scan# 4702  
Delta R.T. -0.006 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51



Tgt Ion: 75 Resp: 1303  
Ion Ratio Lower Upper  
75 100  
155 85.0 46.9 140.7  
157 100.6 60.6 181.7





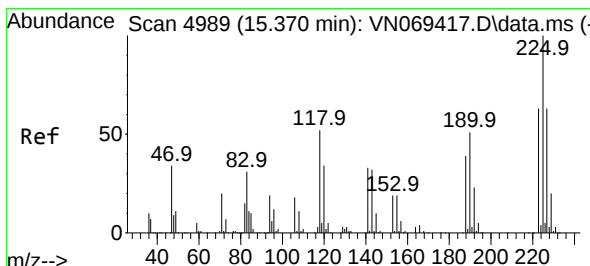
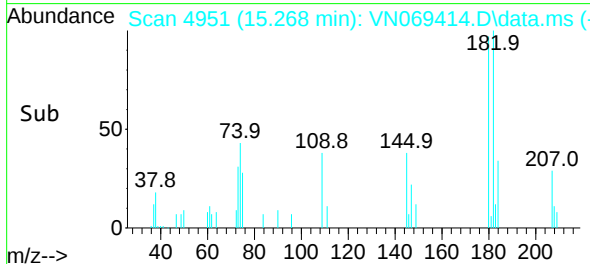
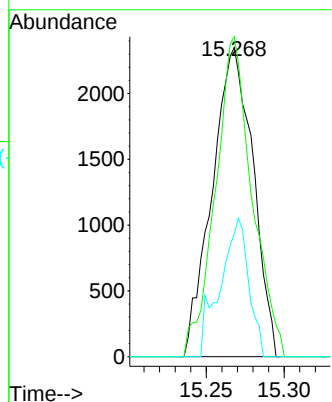
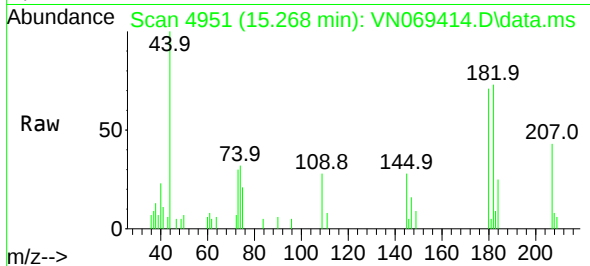
#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.659 ug/l  
 RT: 15.268 min Scan# 4951  
 Delta R.T. 0.002 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Tgt Ion:180 Resp: 428  
 Ion Ratio Lower Upper  
 180 100  
 182 92.6 48.3 144.9  
 145 31.3 14.5 43.5

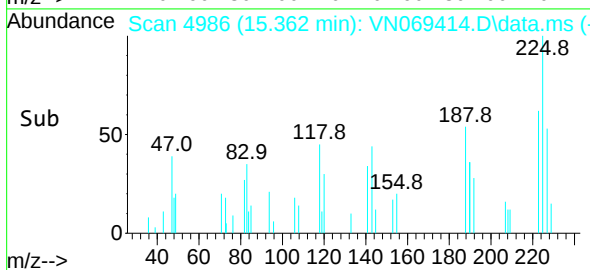
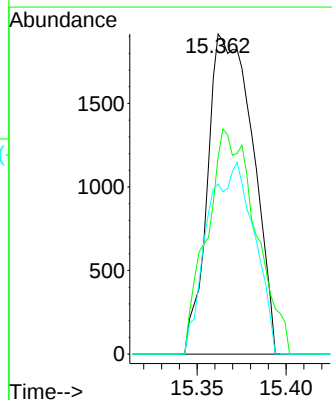
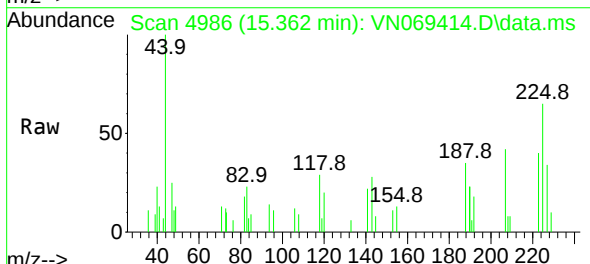
Manual Integrations  
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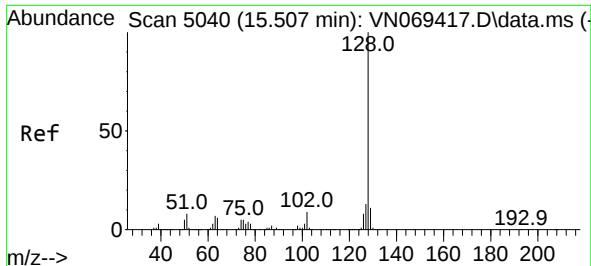
Reviewed By :John Carlone 11/10/2021  
 Supervised By :Semsettin Yesilyurt 11/17/2021



#94  
 Hexachlorobutadiene  
 Concen: 0.836 ug/l  
 RT: 15.362 min Scan# 4986  
 Delta R.T. -0.008 min  
 Lab File: VN069414.D  
 Acq: 9 Nov 2021 9:51

Tgt Ion:225 Resp: 3377  
 Ion Ratio Lower Upper  
 225 100  
 223 75.6 31.9 95.7  
 227 62.3 32.1 96.3





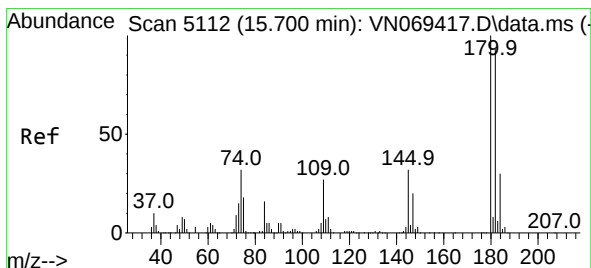
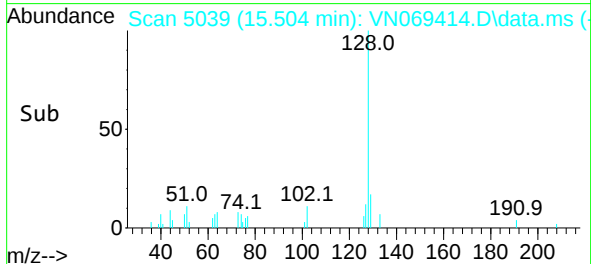
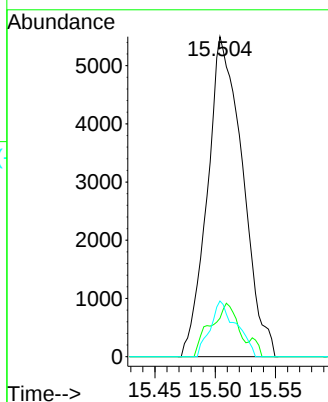
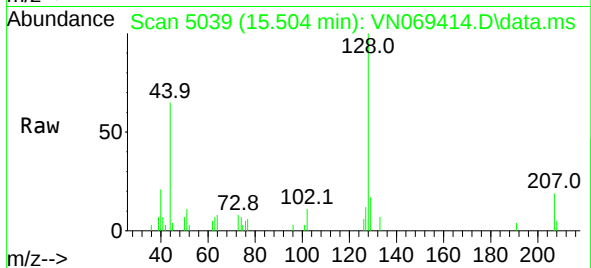
#95  
Naphthalene  
Concen: 0.632 ug/l  
RT: 15.504 min Scan# 5040  
Delta R.T. -0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:128 Resp: 11129  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.5 15.7  
129 12.9 8.7 13.1

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/10/2021  
Supervised By :Semsettin Yesilyurt 11/17/2021



#96  
1,2,3-Trichlorobenzene  
Concen: 0.644 ug/l  
RT: 15.702 min Scan# 5113  
Delta R.T. 0.003 min  
Lab File: VN069414.D  
Acq: 9 Nov 2021 9:51

Tgt Ion:180 Resp: 4119  
Ion Ratio Lower Upper  
180 100  
182 99.7 47.4 142.2  
145 19.8 15.0 45.1

