

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032822\  
 Data File : VN071605.D  
 Acq On : 28 Mar 2022 15:10  
 Operator : JC\MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Quant Time: Mar 29 08:16:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 29 08:13:31 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 03/29/2022  
 Supervised By : Mahesh Dadoda 03/29/2022

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.081  | 168   | 687414   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.963  | 114   | 1093173  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.739 | 117   | 925721   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.674 | 152   | 310041   | 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   | 2.069  | 85    | 6957     | 0.978    | ug/l   | 96       |
| 3) Chloromethane             | 2.299  | 50    | 9253     | 1.041    | ug/l   | 92       |
| 4) Vinyl Chloride            | 2.446  | 62    | 8806     | 0.922    | ug/l # | 86       |
| 6) Chloroethane              | 3.022  | 64    | 7328     | 1.128    | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.375  | 101   | 10399    | 0.936    | ug/l   | 93       |
| 8) Diethyl Ether             | 3.828  | 74    | 4002     | 0.863    | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 4.199  | 101   | 6356     | 0.952    | ug/l # | 88       |
| 12) 1,1-Dichloroethene       | 4.175  | 96    | 6012     | 0.918    | ug/l   | 91       |
| 14) Allyl chloride           | 4.828  | 41    | 9322m    | 0.882    | ug/l   |          |
| 15) Acrylonitrile            | 5.557  | 53    | 18116    | 4.208    | ug/l   | 98       |
| 16) Acetone                  | 4.293  | 43    | 17618    | 5.067    | ug/l # | 86       |
| 17) Carbon Disulfide         | 4.534  | 76    | 17257    | 1.025    | ug/l   | 95       |
| 18) Methyl Acetate           | 4.857  | 43    | 16082    | 1.543    | ug/l # | 79       |
| 19) Methyl tert-butyl Ether  | 5.616  | 73    | 21520    | 0.914    | ug/l   | 98       |
| 20) Methylene Chloride       | 5.104  | 84    | 8234     | 1.013    | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 5.604  | 96    | 6410     | 0.905    | ug/l # | 82       |
| 22) Diisopropyl ether        | 6.493  | 45    | 19637    | 0.894    | ug/l # | 91       |
| 23) Vinyl Acetate            | 6.434  | 43    | 75659    | 4.013    | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.387  | 63    | 12175    | 0.915    | ug/l # | 86       |
| 25) 2-Butanone               | 7.334  | 43    | 24210    | 4.337    | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.316  | 77    | 10105    | 0.904    | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.328  | 96    | 7848     | 0.924    | ug/l   | 100      |
| 28) Bromochloromethane       | 7.663  | 49    | 5299     | 0.975    | ug/l # | 96       |
| 29) Tetrahydrofuran          | 7.687  | 42    | 14725    | 3.968    | ug/l   | 97       |
| 30) Chloroform               | 7.816  | 83    | 12373    | 0.923    | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.010  | 97    | 9979     | 0.856    | ug/l # | 51       |
| 36) 1,1-Dichloropropene      | 8.210  | 75    | 9983     | 1.011    | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.404  | 43    | 9341     | 0.871    | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 8.204  | 117   | 9376     | 0.968    | ug/l # | 94       |
| 39) Methylcyclohexane        | 9.457  | 83    | 11251    | 0.931    | ug/l   | 92       |
| 40) Benzene                  | 8.457  | 78    | 29219    | 0.949    | ug/l   | 98       |
| 41) Methacrylonitrile        | 7.640  | 41    | 4668     | 0.907    | ug/l   | 94       |
| 42) 1,2-Dichloroethane       | 8.534  | 62    | 10407    | 0.970    | ug/l   | 98       |
| 43) Isopropyl Acetate        | 8.563  | 43    | 24507    | 1.332    | ug/l # | 83       |
| 44) Trichloroethene          | 9.210  | 130   | 7895     | 0.986    | ug/l   | 90       |
| 45) 1,2-Dichloropropane      | 9.481  | 63    | 6693     | 0.877    | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032822\  
 Data File : VN071605.D  
 Acq On : 28 Mar 2022 15:10  
 Operator : JC\MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Quant Time: Mar 29 08:16:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 29 08:13:31 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/29/2022  
 Supervised By : Mahesh Dadoda 03/29/2022

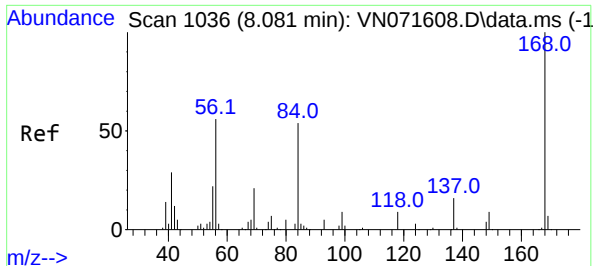
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 9.575  | 93   | 4678     | 0.899  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.757  | 83   | 8544     | 0.836  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.557  | 41   | 6675     | 0.858  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.563  | 88   | 3108     | 17.527 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.328 | 43   | 42957    | 3.985  | ug/l   | 94       |
| 52) Toluene                   | 10.498 | 92   | 17792    | 0.922  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.716 | 75   | 9214     | 0.842  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.186 | 75   | 9831     | 0.813  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 10.886 | 97   | 7777     | 0.991  | ug/l # | 88       |
| 56) Ethyl methacrylate        | 10.757 | 69   | 8766     | 0.744  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 11.039 | 76   | 11956    | 0.908  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.039 | 63   | 9931     | 3.393  | ug/l   | 95       |
| 59) 2-Hexanone                | 11.080 | 43   | 30523    | 3.931  | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.228 | 129  | 6555     | 0.827  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.339 | 107  | 6997     | 0.886  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.975 | 164  | 7204     | 1.121  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.769 | 112  | 20053    | 1.018  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.839 | 131  | 6853     | 0.980  | ug/l # | 61       |
| 67) Ethyl Benzene             | 11.839 | 91   | 32229    | 0.952  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.951 | 106  | 22342    | 1.728  | ug/l   | 95       |
| 69) o-Xylene                  | 12.275 | 106  | 11616    | 0.903  | ug/l   | 97       |
| 70) Styrene                   | 12.292 | 104  | 15441    | 0.769  | ug/l   | 97       |
| 71) Bromoform                 | 12.451 | 173  | 4730     | 0.861  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.574 | 105  | 25340    | 0.929  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.386 | 43   | 7367     | 0.845  | ug/l # | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.822 | 83   | 10545    | 1.135  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.874 | 75   | 7436m    | 1.058  | ug/l   |          |
| 77) Bromobenzene              | 12.851 | 156  | 7501     | 1.101  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.916 | 91   | 27709    | 0.955  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.004 | 91   | 18374    | 0.982  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 13.051 | 105  | 19815    | 0.920  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 13.098 | 91   | 17037    | 0.988  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.316 | 119  | 18173    | 0.932  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.363 | 105  | 19688    | 0.947  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.498 | 105  | 23477    | 0.909  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.610 | 119  | 17262    | 0.840  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.616 | 146  | 11691    | 1.057  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.692 | 146  | 13058m   | 1.195  | ug/l   |          |
| 89) n-Butylbenzene            | 13.939 | 91   | 14652    | 0.929  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.210 | 117  | 3647     | 0.911  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.986 | 146  | 12347    | 1.161  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.604 | 75   | 1549     | 0.964  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.257 | 180  | 4823     | 0.978  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.363 | 225  | 3284     | 1.099  | ug/l   | 94       |
| 95) Naphthalene               | 15.510 | 128  | 11993    | 0.890  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.698 | 180  | 5199     | 1.068  | ug/l   | 92       |

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

## Manual Integrations

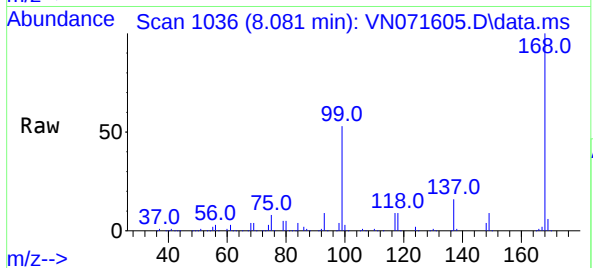
Quant Time: Mar 29 08:16:28 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 29 08:13:31 2022  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

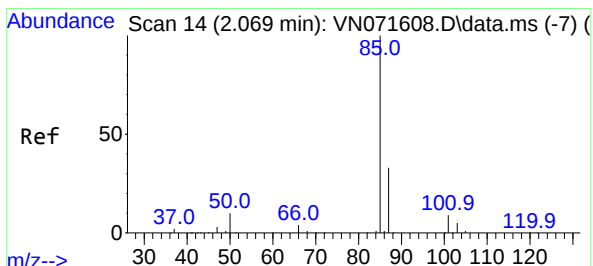
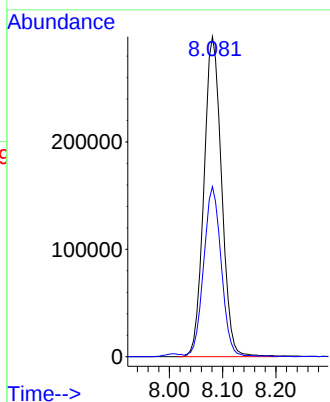
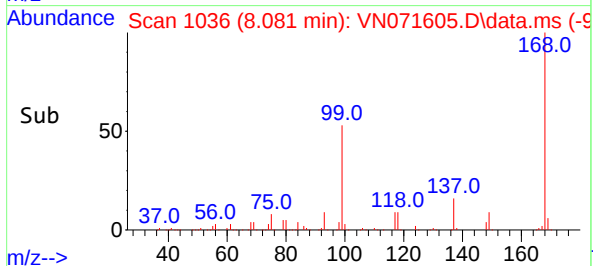
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



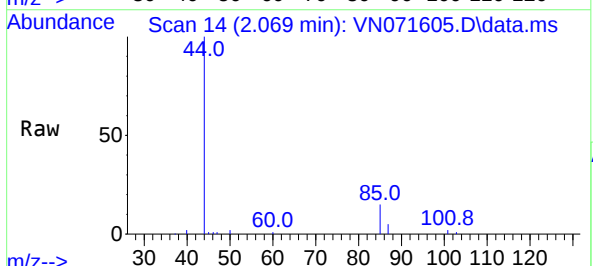
Tgt Ion:168 Resp: 687414  
Ion Ratio Lower Upper  
168 100  
99 53.1 42.3 63.5

Manual Integrations  
APPROVED

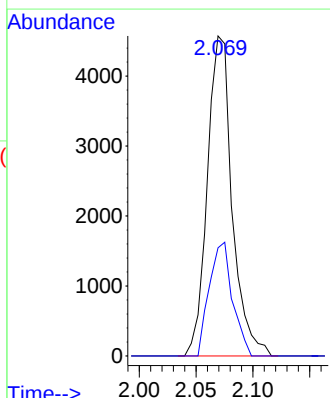
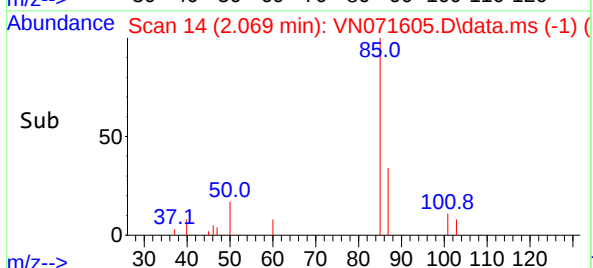
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

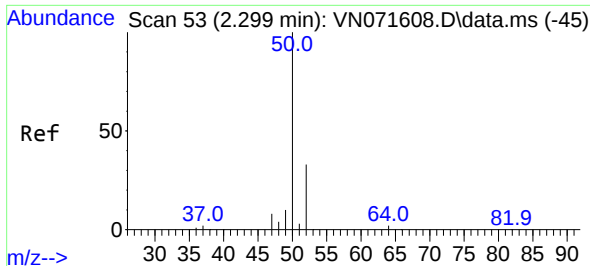


#2  
Dichlorodifluoromethane  
Concen: 0.978 ug/l  
RT: 2.069 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



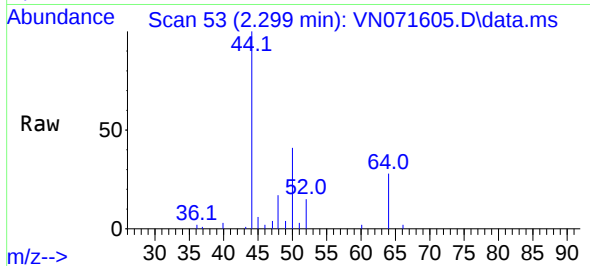
Tgt Ion: 85 Resp: 6957  
Ion Ratio Lower Upper  
85 100  
87 33.8 15.7 47.1





#3  
Chloromethane  
Concen: 1.041 ug/l  
RT: 2.299 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

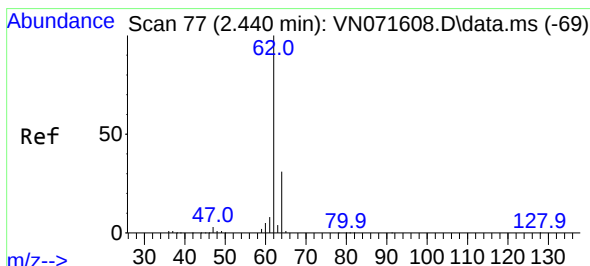
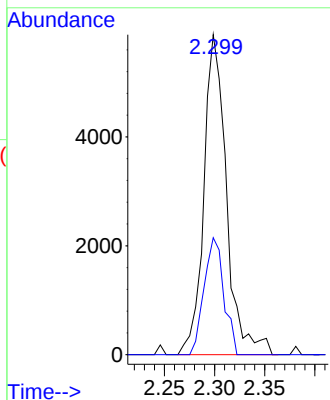
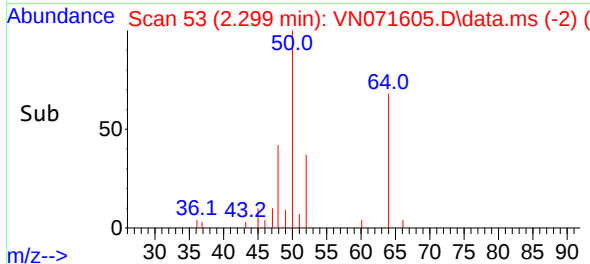
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



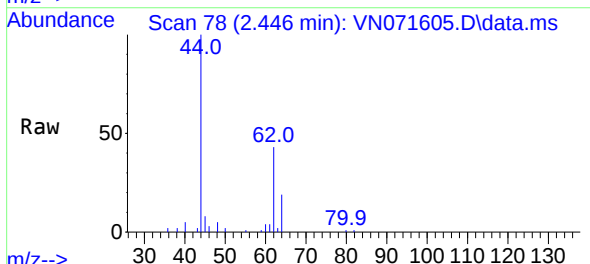
Tgt Ion: 50 Resp: 925  
Ion Ratio Lower Upper  
50 100  
52 36.6 25.7 38.5

Manual Integrations  
APPROVED

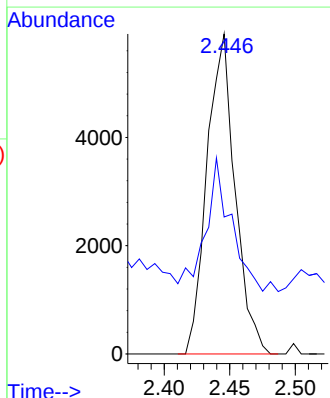
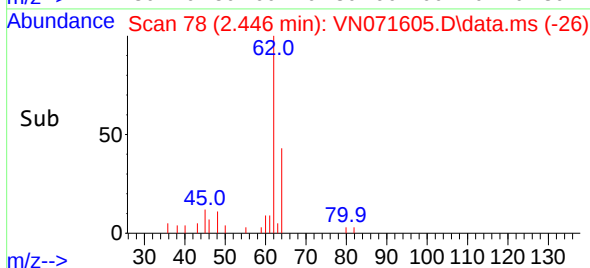
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

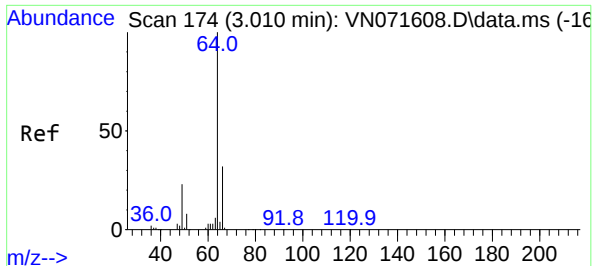


#4  
Vinyl Chloride  
Concen: 0.922 ug/l  
RT: 2.446 min Scan# 78  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



Tgt Ion: 62 Resp: 8806  
Ion Ratio Lower Upper  
62 100  
64 23.3 25.0 37.4#





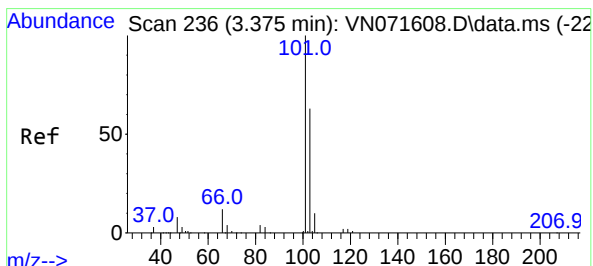
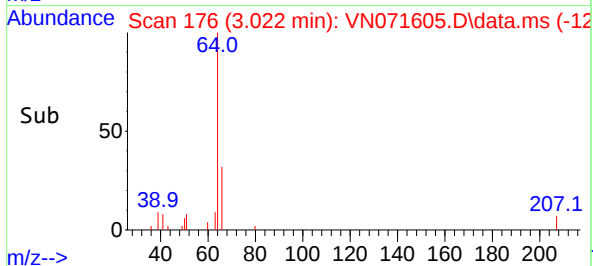
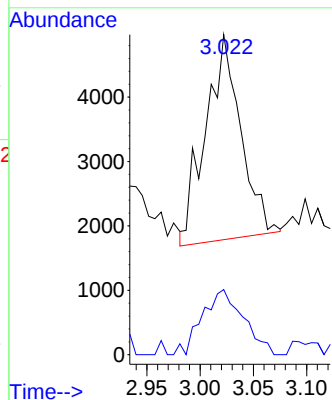
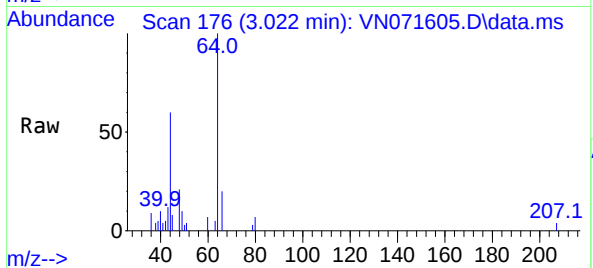
#6  
Chloroethane  
Concen: 1.128 ug/l  
RT: 3.022 min Scan# 174  
Delta R.T. 0.012 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 64 Resp: 7328  
Ion Ratio Lower Upper  
64 100  
66 33.1 26.2 39.4

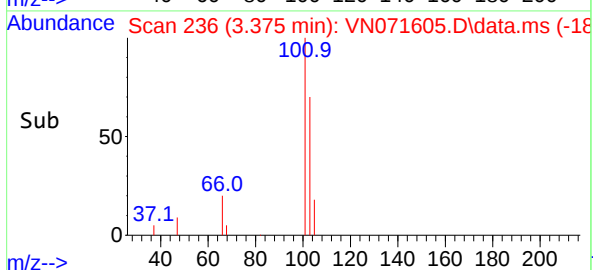
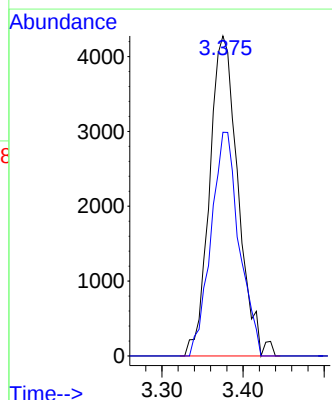
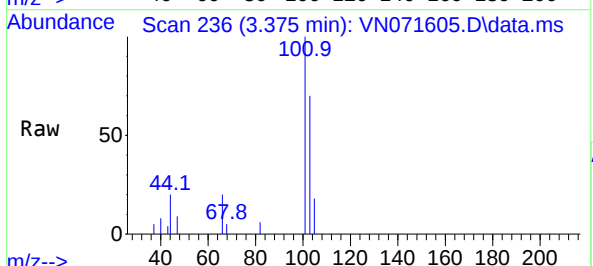
Manual Integrations  
APPROVED

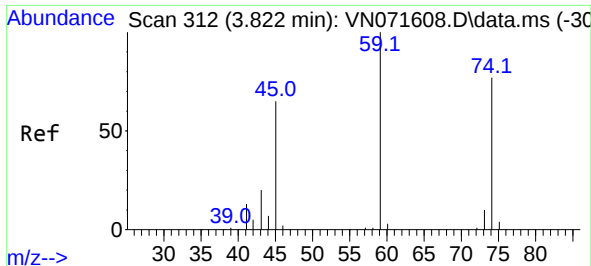
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#7  
Trichlorofluoromethane  
Concen: 0.936 ug/l  
RT: 3.375 min Scan# 236  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

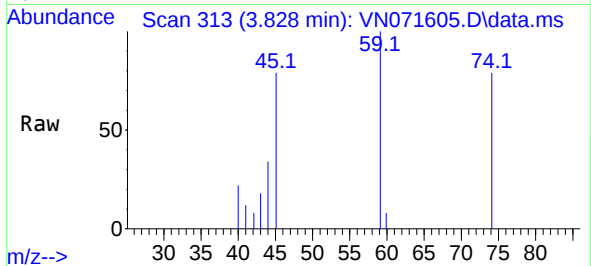
Tgt Ion:101 Resp: 10399  
Ion Ratio Lower Upper  
101 100  
103 69.9 51.5 77.3





#8  
Diethyl Ether  
Concen: 0.863 ug/l  
RT: 3.828 min Scan# 312  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

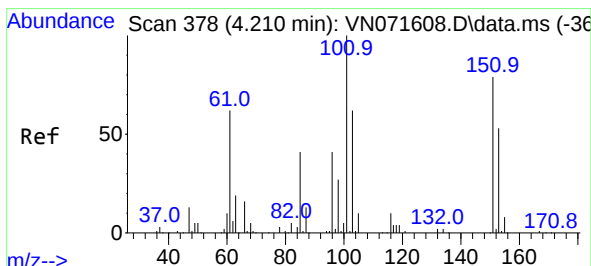
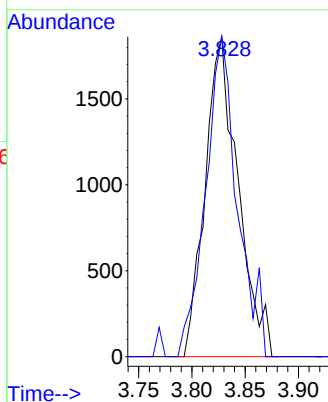
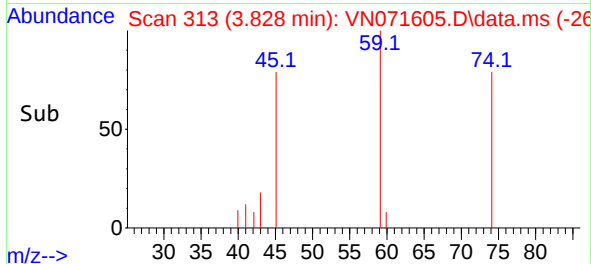
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



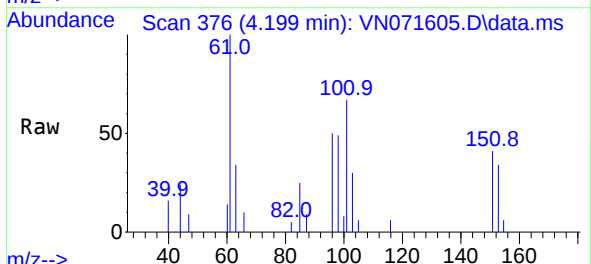
Tgt Ion: 74 Resp: 400  
Ion Ratio Lower Upper  
74 100  
45 96.8 42.9 128.5

Manual Integrations  
APPROVED

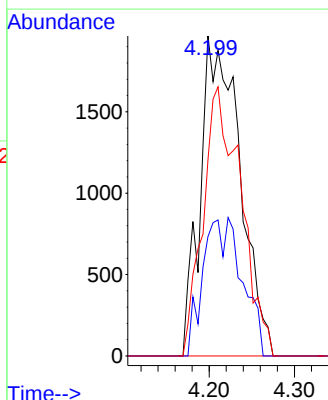
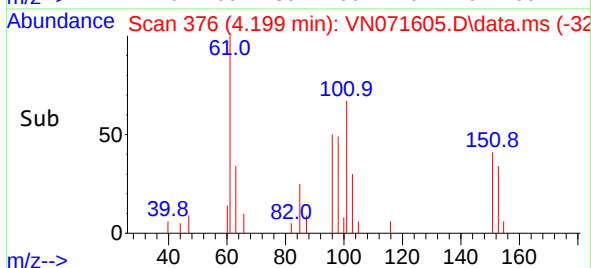
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

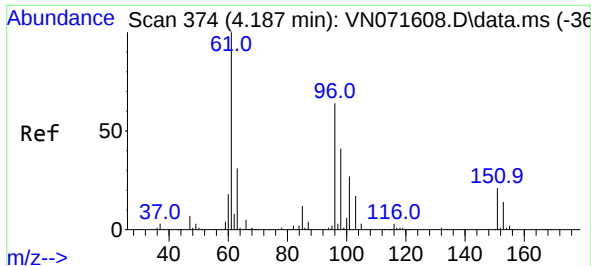


#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.952 ug/l  
RT: 4.199 min Scan# 376  
Delta R.T. -0.012 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



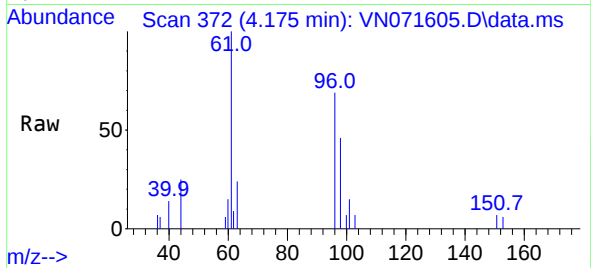
Tgt Ion:101 Resp: 6356  
Ion Ratio Lower Upper  
101 100  
85 22.8 34.7 52.1#  
151 80.1 63.0 94.4





#12  
1,1-Dichloroethene  
Concen: 0.918 ug/l  
RT: 4.175 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

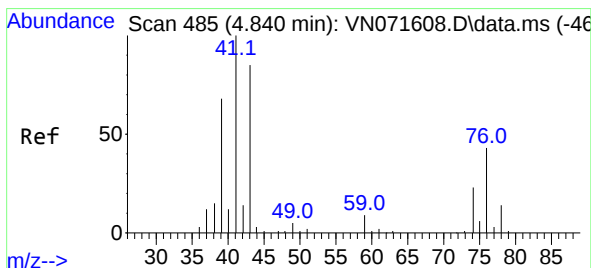
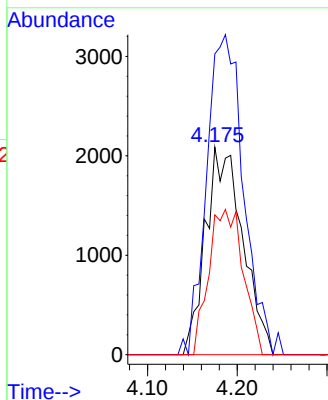
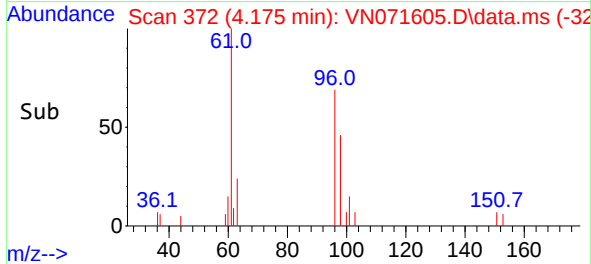
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



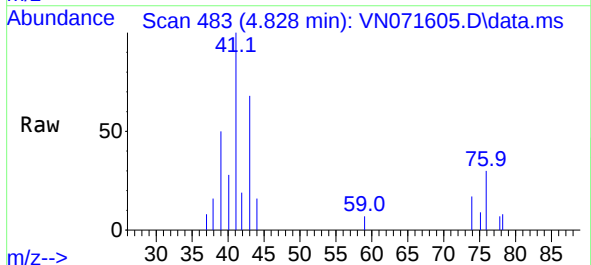
Tgt Ion: 96 Resp: 6012  
Ion Ratio Lower Upper  
96 100  
61 144.9 127.6 191.4  
98 67.4 51.2 76.8

Manual Integrations  
APPROVED

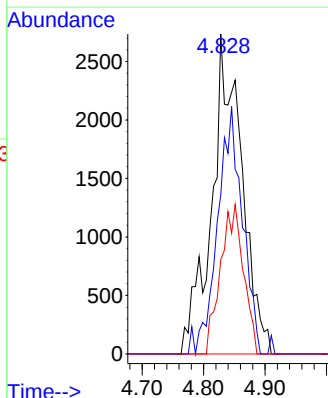
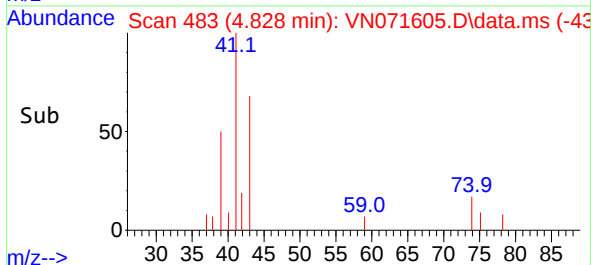
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

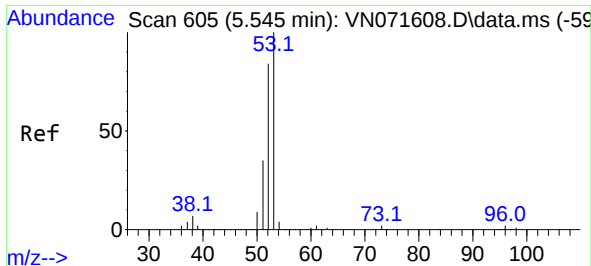


#14  
Allyl chloride  
Concen: 0.882 ug/l m  
RT: 4.828 min Scan# 483  
Delta R.T. -0.012 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



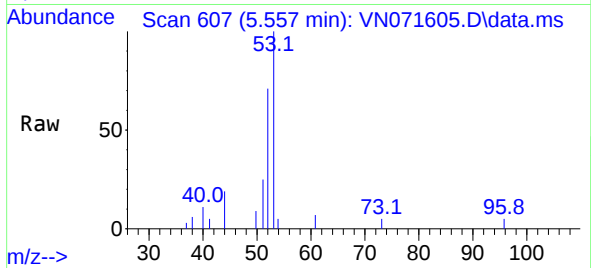
Tgt Ion: 41 Resp: 9322  
Ion Ratio Lower Upper  
41 100  
39 0.0 53.2 79.8#  
76 0.0 29.9 44.9#





#15  
Acrylonitrile  
Concen: 4.208 ug/l  
RT: 5.557 min Scan# 605  
Delta R.T. 0.012 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

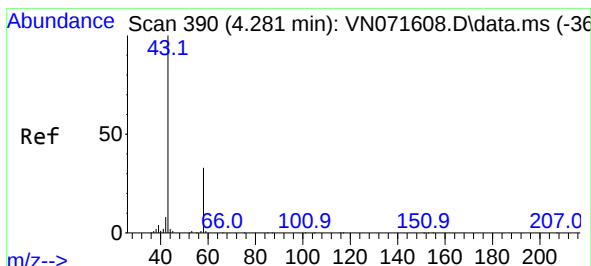
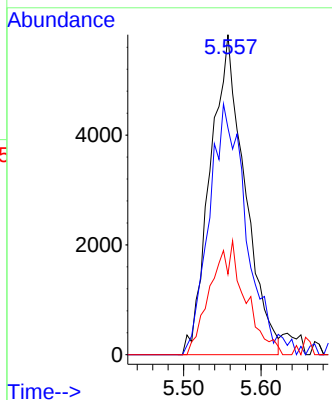
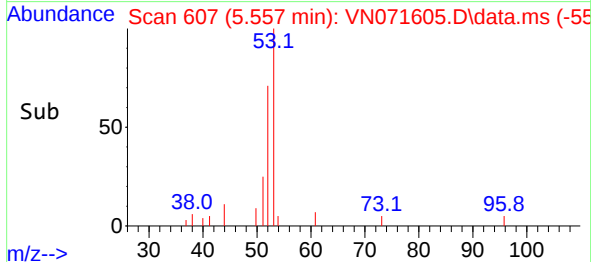
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



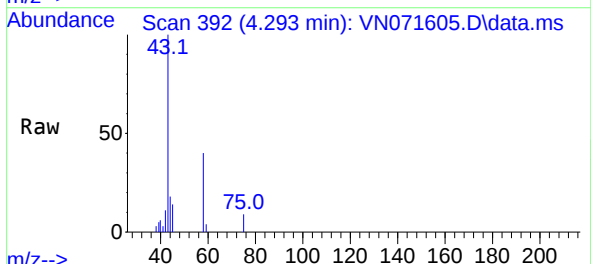
Tgt Ion: 53 Resp: 18110  
Ion Ratio Lower Upper  
53 100  
52 84.9 66.4 99.6  
51 35.5 28.5 42.7

Manual Integrations  
APPROVED

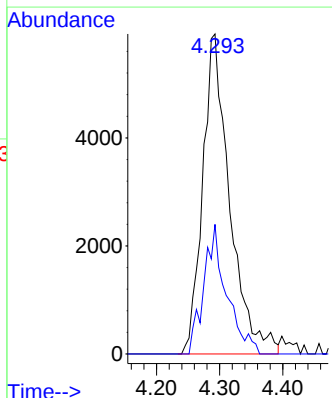
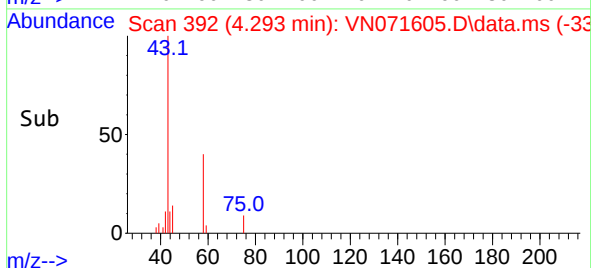
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

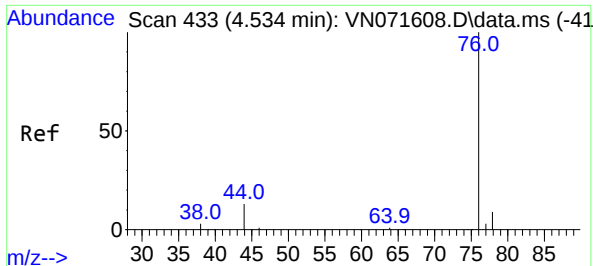


#16  
Acetone  
Concen: 5.067 ug/l  
RT: 4.293 min Scan# 392  
Delta R.T. 0.012 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



Tgt Ion: 43 Resp: 17618  
Ion Ratio Lower Upper  
43 100  
58 40.5 26.0 39.0#





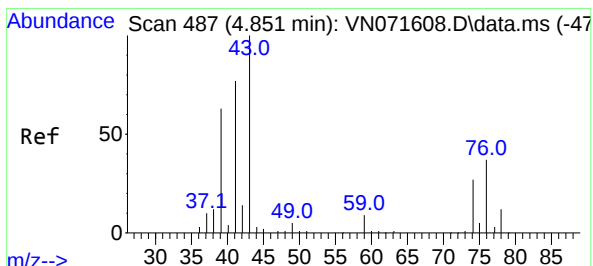
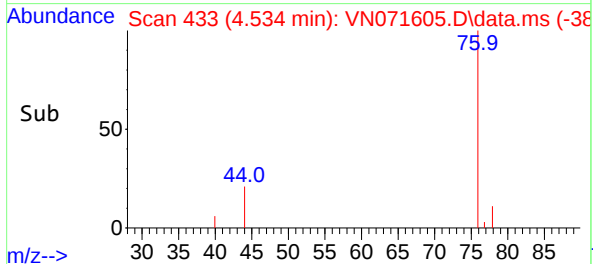
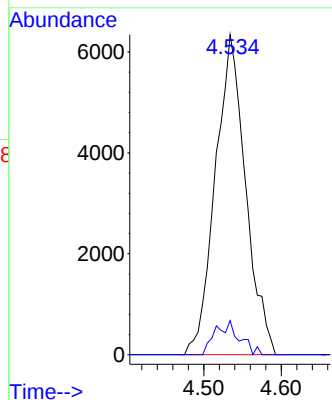
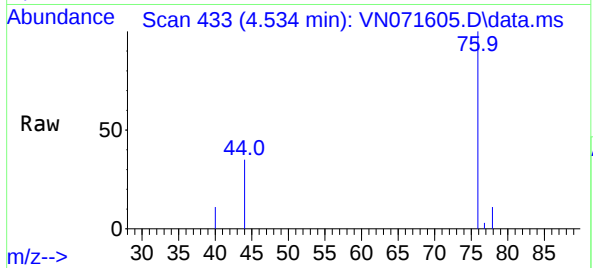
#17  
Carbon Disulfide  
Concen: 1.025 ug/l  
RT: 4.534 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion: 76 Resp: 1725  
Ion Ratio Lower Upper  
76 100  
78 10.6 7.2 10.8

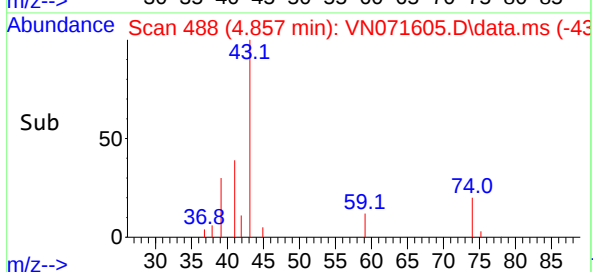
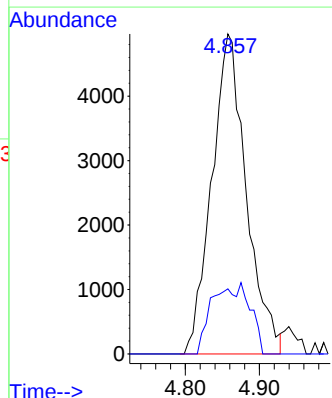
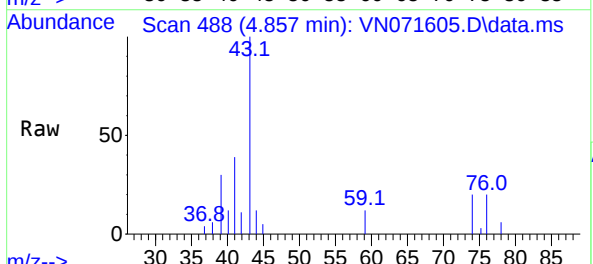
Manual Integrations  
APPROVED

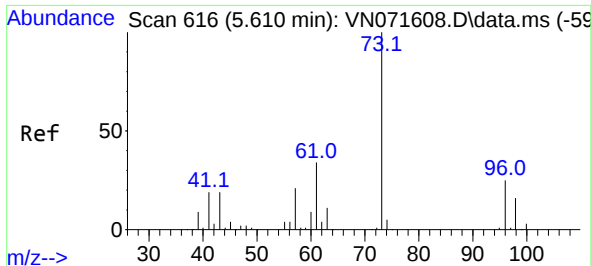
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#18  
Methyl Acetate  
Concen: 1.543 ug/l  
RT: 4.857 min Scan# 488  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

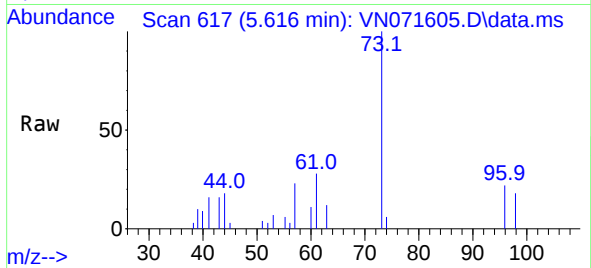
Tgt Ion: 43 Resp: 16082  
Ion Ratio Lower Upper  
43 100  
74 16.0 21.6 32.4#





#19  
Methyl tert-butyl Ether  
Concen: 0.914 ug/l  
RT: 5.616 min Scan# 616  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

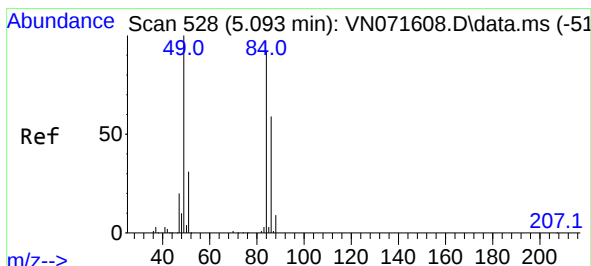
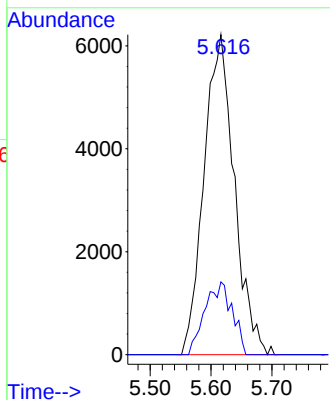
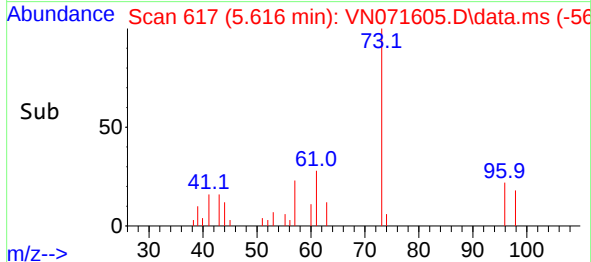
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



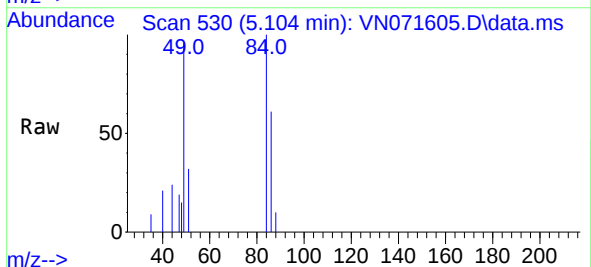
Tgt Ion: 73 Resp: 21520  
Ion Ratio Lower Upper  
73 100  
57 22.8 17.6 26.4

Manual Integrations  
APPROVED

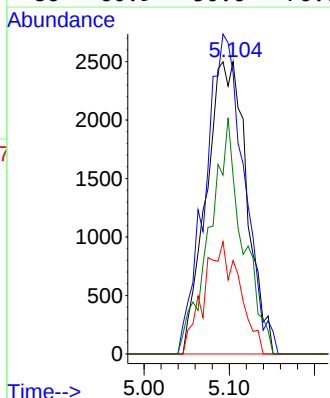
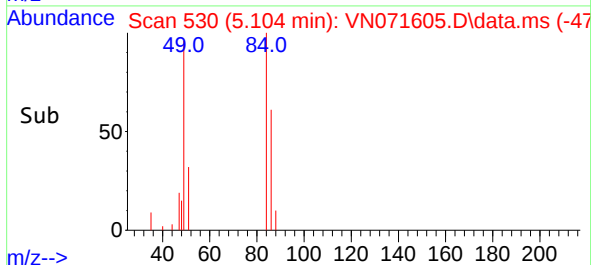
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

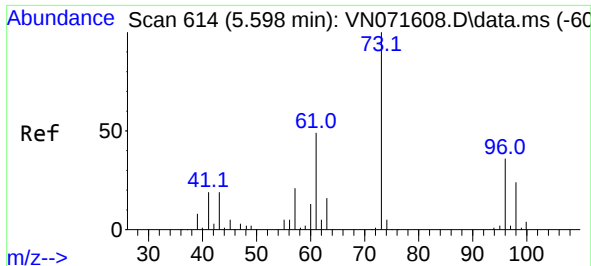


#20  
Methylene Chloride  
Concen: 1.013 ug/l  
RT: 5.104 min Scan# 530  
Delta R.T. 0.012 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



Tgt Ion: 84 Resp: 8234  
Ion Ratio Lower Upper  
84 100  
49 96.2 88.3 132.5  
51 32.0 28.2 42.2  
86 60.9 50.6 76.0





#21  
trans-1,2-Dichloroethene  
Concen: 0.905 ug/l  
RT: 5.604 min Scan# 614  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :

MSVOA\_N

ClientSampleId :

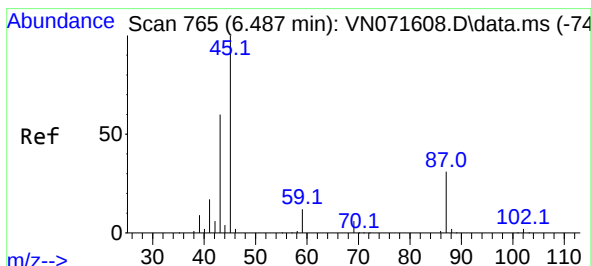
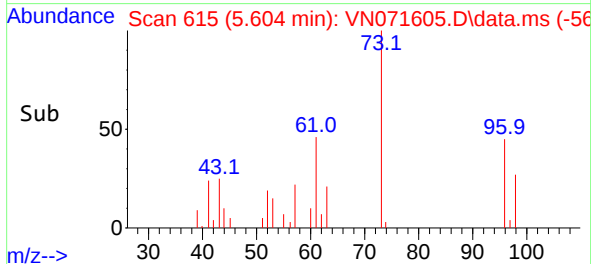
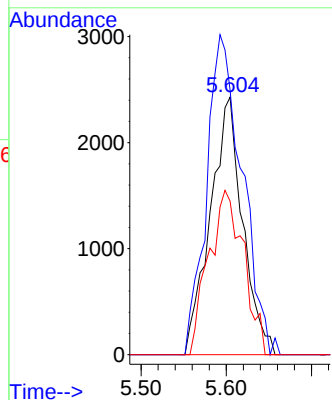
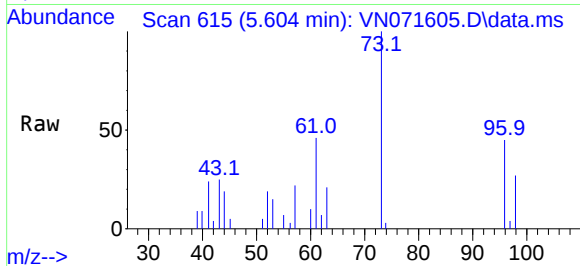
VSTDIC001

Tgt Ion: 96 Resp: 6410  
Ion Ratio Lower Upper  
96 100  
61 102.6 105.8 158.8  
98 59.5 50.3 75.5

Manual Integrations

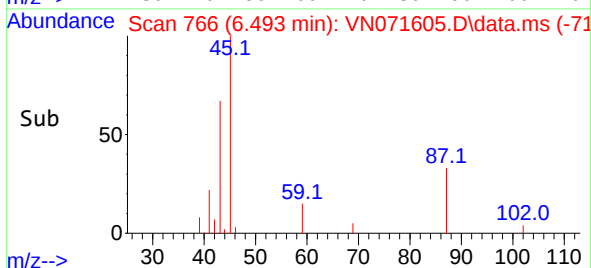
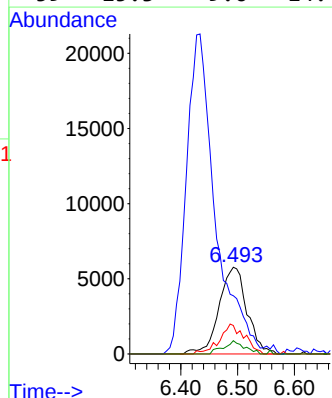
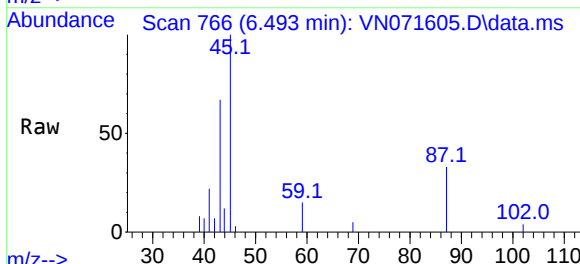
APPROVED

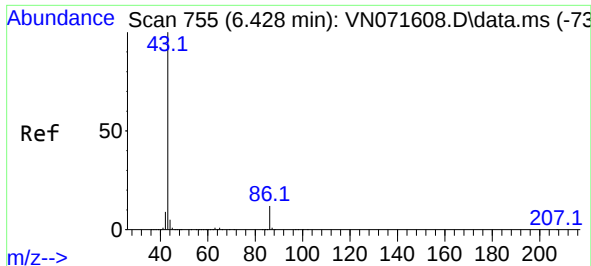
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#22  
Diisopropyl ether  
Concen: 0.894 ug/l  
RT: 6.493 min Scan# 766  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

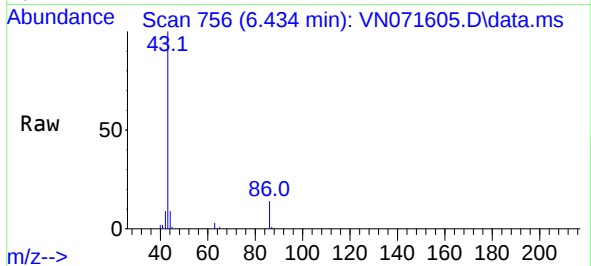
Tgt Ion: 45 Resp: 19637  
Ion Ratio Lower Upper  
45 100  
43 67.1 46.6 70.0  
87 32.8 24.3 36.5  
59 15.3 9.6 14.4





#23  
 Vinyl Acetate  
 Concen: 4.013 ug/l  
 RT: 6.434 min Scan# 756  
 Delta R.T. 0.006 min  
 Lab File: VN071605.D  
 Acq: 28 Mar 2022 15:10

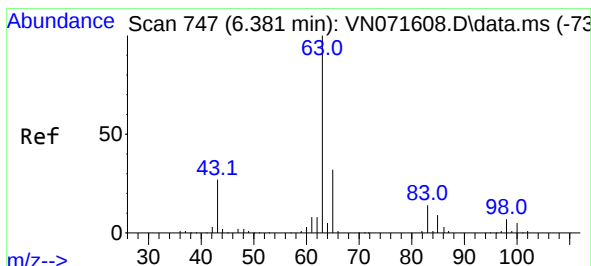
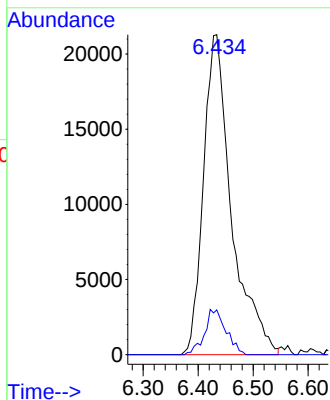
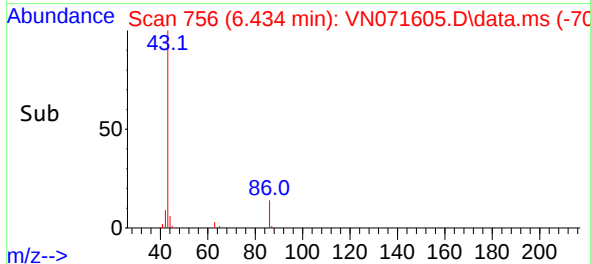
Instrument :  
 MSVOA\_N  
 Client Sample Id :  
 VSTDIC001



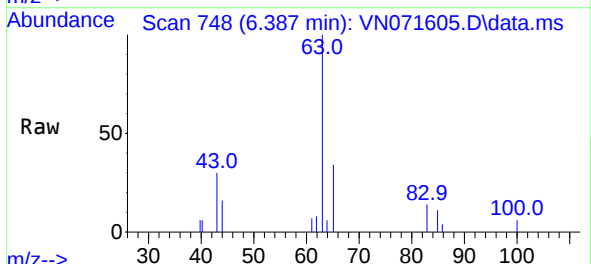
Tgt Ion: 43 Resp: 7565  
 Ion Ratio Lower Upper  
 43 100  
 86 14.0 10.0 15.0

Manual Integrations  
 APPROVED

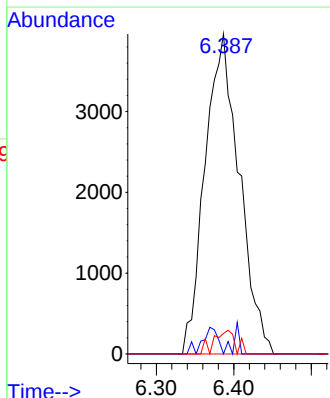
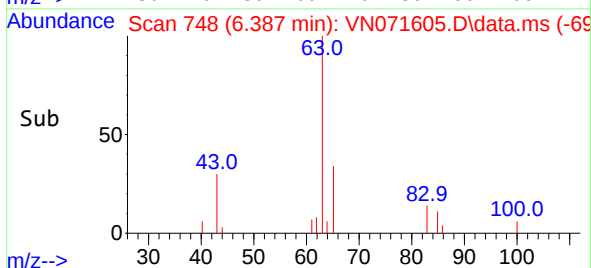
Reviewed By :John Carlone 03/29/2022  
 Supervised By :Mahesh Dadoda 03/29/2022

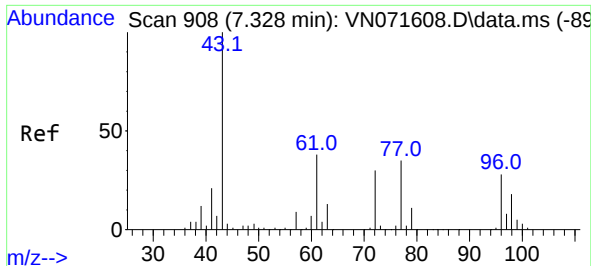


#24  
 1,1-Dichloroethane  
 Concen: 0.915 ug/l  
 RT: 6.387 min Scan# 748  
 Delta R.T. 0.006 min  
 Lab File: VN071605.D  
 Acq: 28 Mar 2022 15:10



Tgt Ion: 63 Resp: 12175  
 Ion Ratio Lower Upper  
 63 100  
 98 0.0 3.5 10.4#  
 100 6.4 2.3 6.8





#25

2-Butanone

Concen: 4.337 ug/l

RT: 7.334 min Scan# 908

Delta R.T. 0.006 min

Lab File: VN071605.D

Acq: 28 Mar 2022 15:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 24210

Ion Ratio Lower Upper

43 100

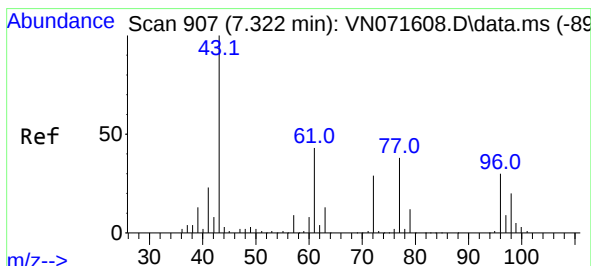
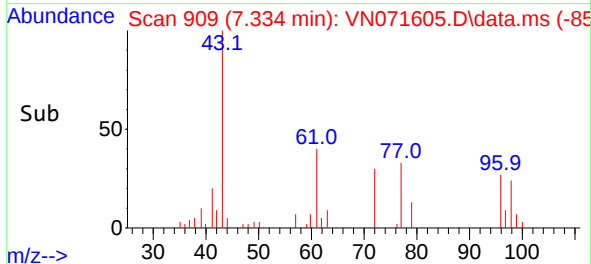
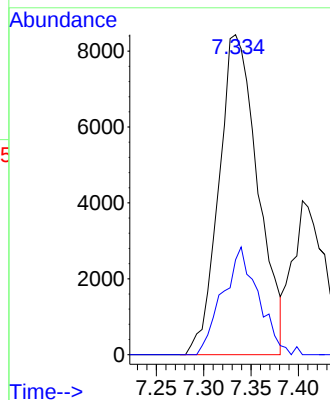
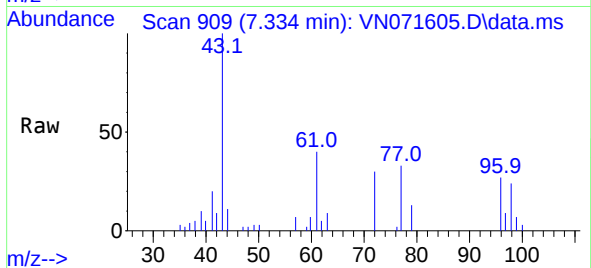
72 29.7 23.7 35.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/29/2022

Supervised By :Mahesh Dadoda 03/29/2022



#26

2,2-Dichloropropane

Concen: 0.904 ug/l

RT: 7.316 min Scan# 906

Delta R.T. -0.006 min

Lab File: VN071605.D

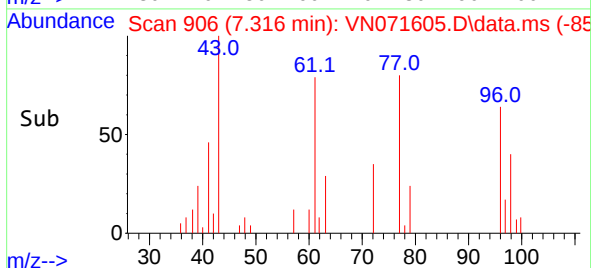
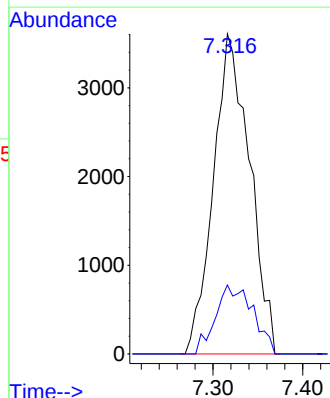
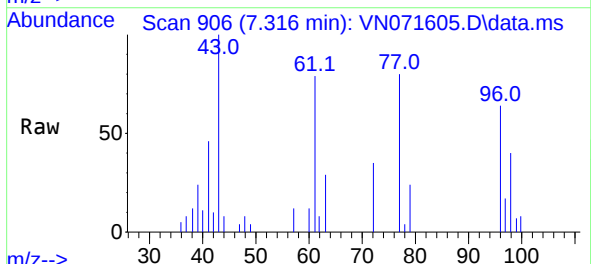
Acq: 28 Mar 2022 15:10

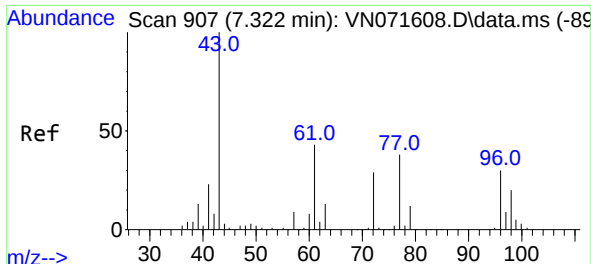
Tgt Ion: 77 Resp: 10105

Ion Ratio Lower Upper

77 100

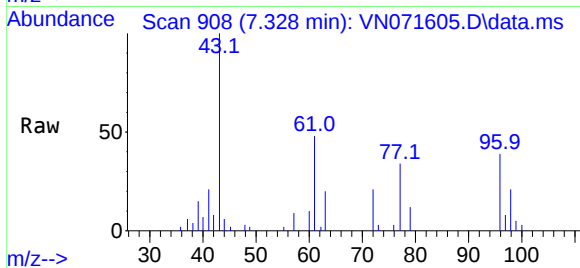
97 22.2 11.4 34.2





#27  
cis-1,2-Dichloroethene  
Concen: 0.924 ug/l  
RT: 7.328 min Scan# 907  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

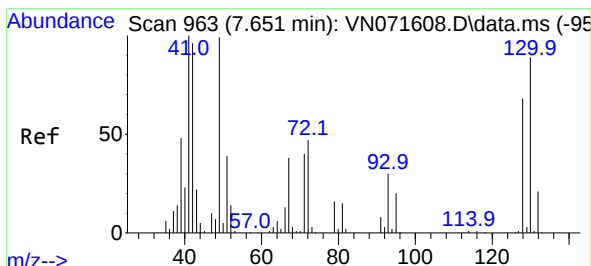
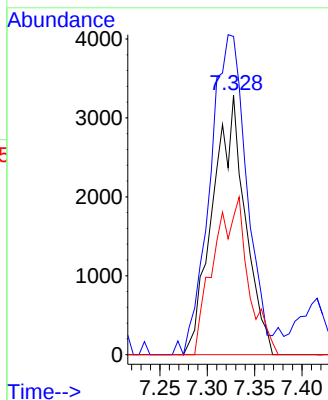
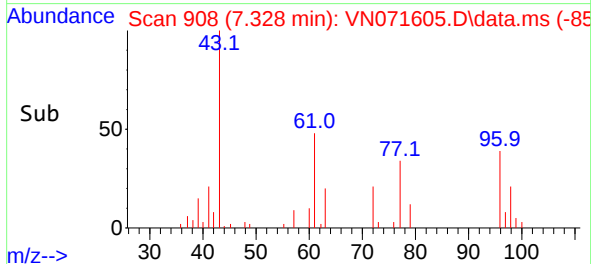
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



Tgt Ion: 96 Resp: 7848  
Ion Ratio Lower Upper  
96 100  
61 140.3 0.0 280.6  
98 64.6 0.0 128.4

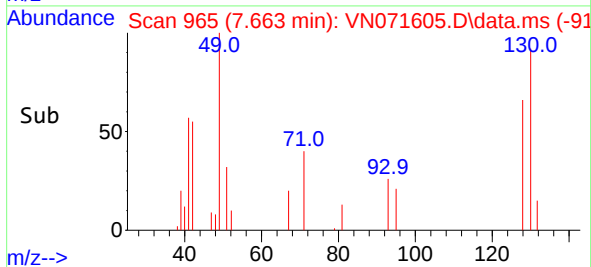
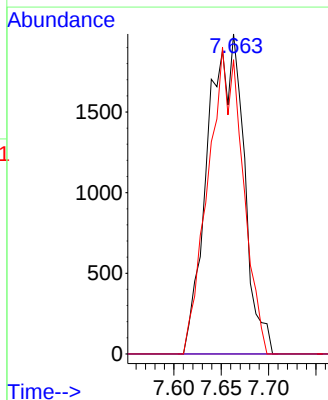
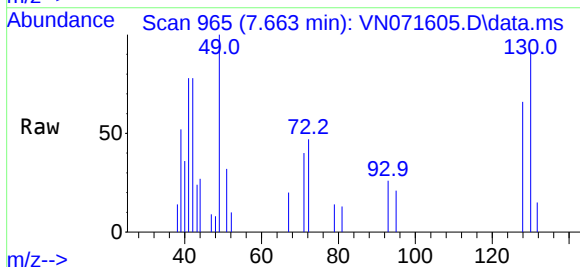
Manual Integrations  
APPROVED

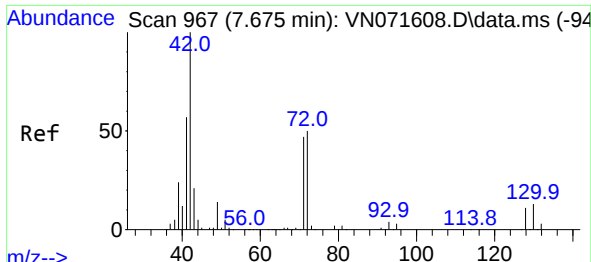
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#28  
Bromochloromethane  
Concen: 0.975 ug/l  
RT: 7.663 min Scan# 965  
Delta R.T. 0.012 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion: 49 Resp: 5299  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.6  
130 91.0 69.7 104.5





#29

Tetrahydrofuran

Concen: 3.968 ug/l

RT: 7.687 min Scan# 90

Delta R.T. 0.012 min

Lab File: VN071605.D

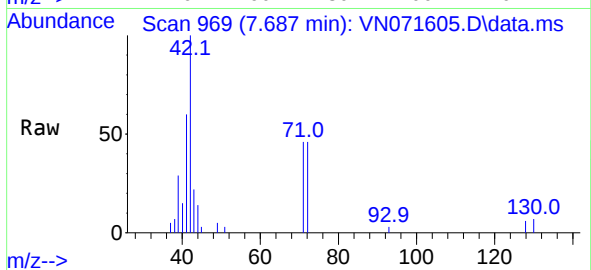
Acq: 28 Mar 2022 15:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001



Tgt Ion: 42 Resp: 1472

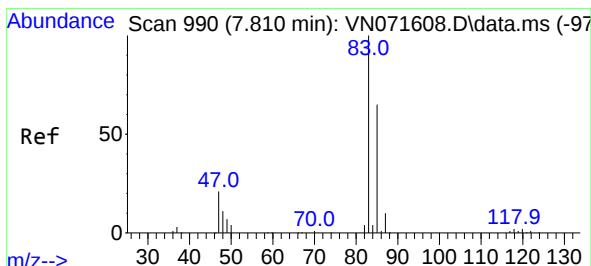
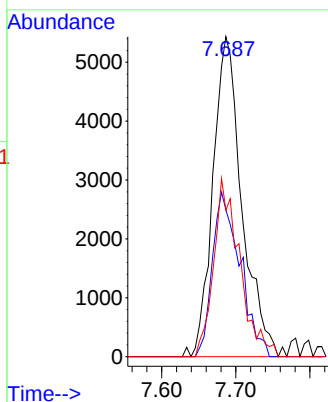
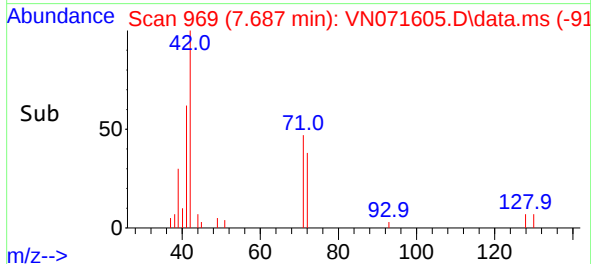
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 49.1  | 39.7  | 59.5  |
| 71  | 50.1  | 36.6  | 55.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/29/2022

Supervised By :Mahesh Dadoda 03/29/2022



#30

Chloroform

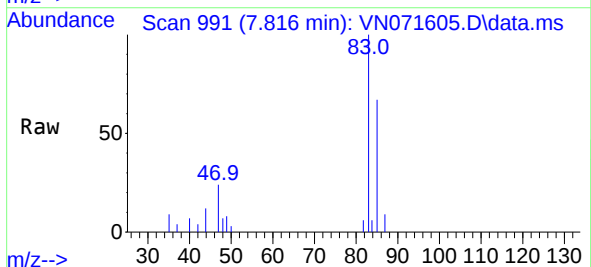
Concen: 0.923 ug/l

RT: 7.816 min Scan# 991

Delta R.T. 0.006 min

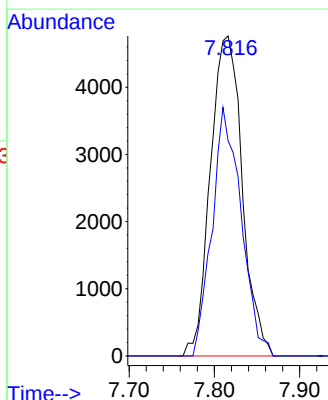
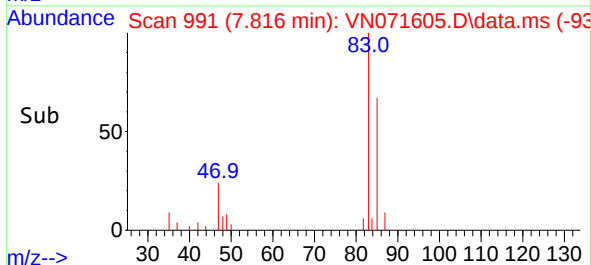
Lab File: VN071605.D

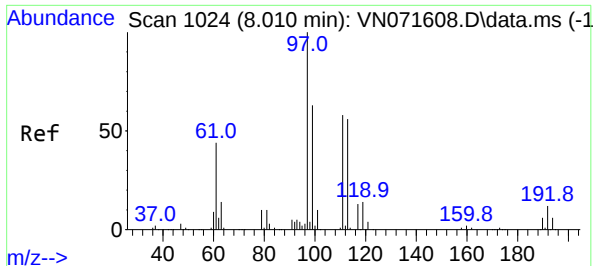
Acq: 28 Mar 2022 15:10



Tgt Ion: 83 Resp: 12373

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 67.3  | 51.8  | 77.8  |





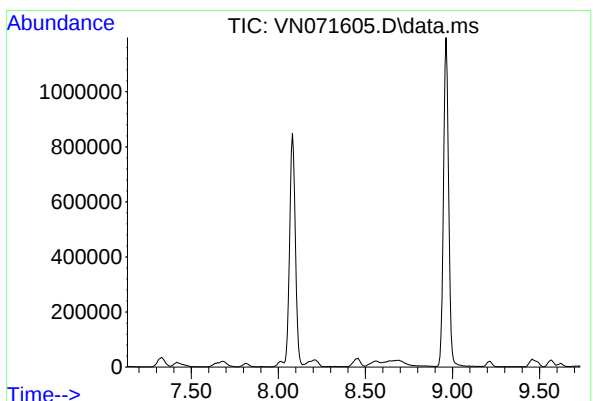
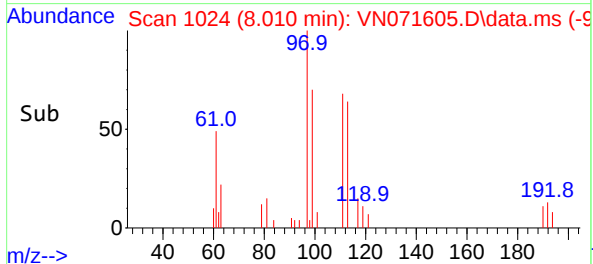
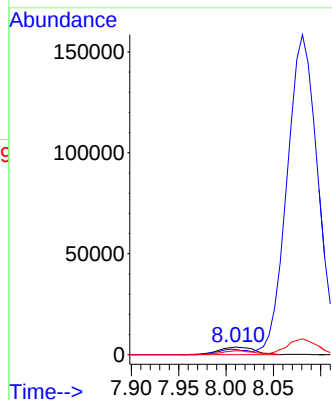
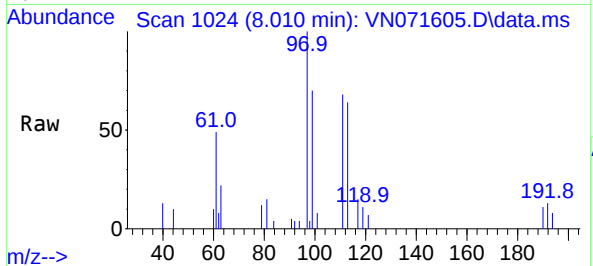
#32  
1,1,1-Trichloroethane  
Concen: 0.856 ug/l  
RT: 8.010 min Scan# 1024  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion: 97 Resp: 9979  
Ion Ratio Lower Upper  
97 100  
99 0.0 50.6 76.0  
61 48.0 36.0 54.0

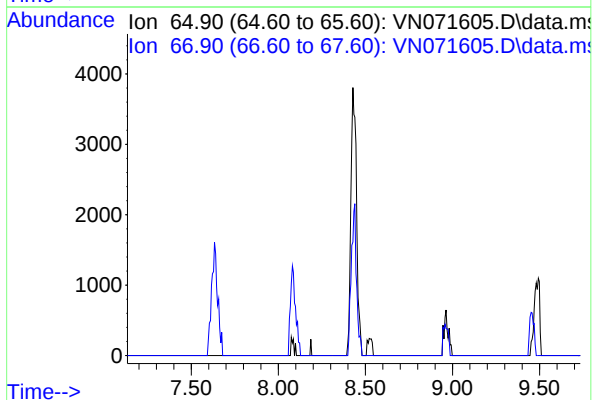
Manual Integrations  
APPROVED

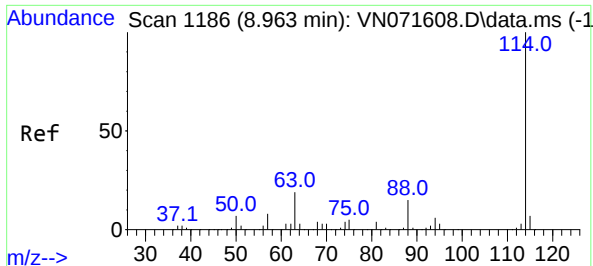
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#33  
1,2-Dichloroethane-d4  
Concen: 0.000 ug/l  
Expected RT: 8.43 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

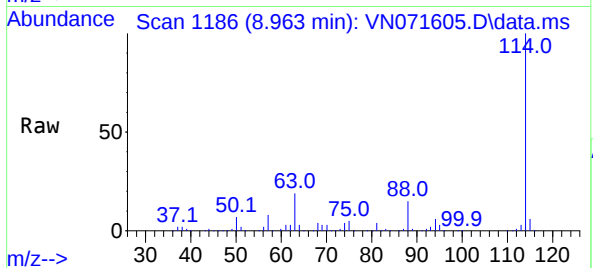
Tgt Ion: 65  
Sig Exp Ratio  
65 100  
67 52.4





#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

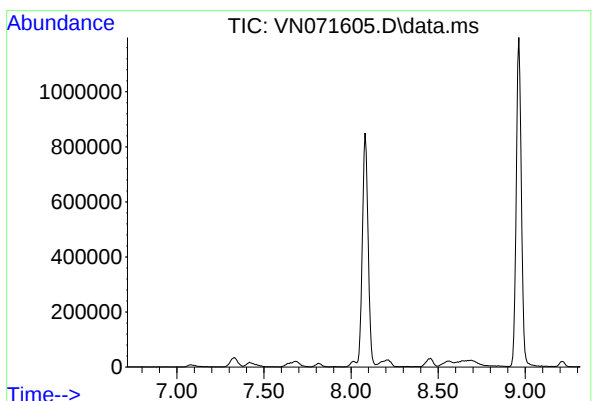
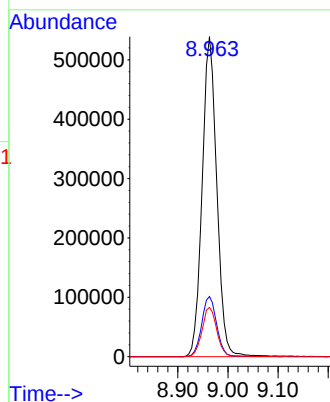
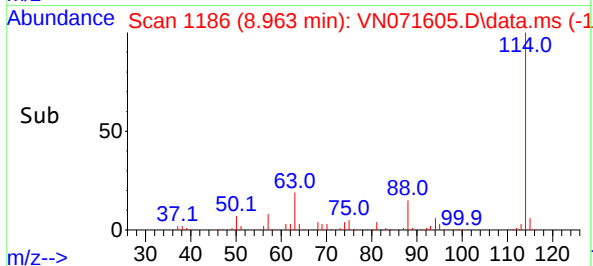
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



Tgt Ion:114 Resp: 109317  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 40.0  
88 15.4 0.0 32.6

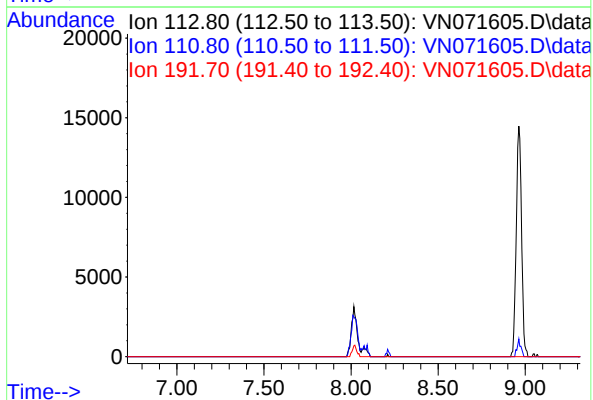
Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



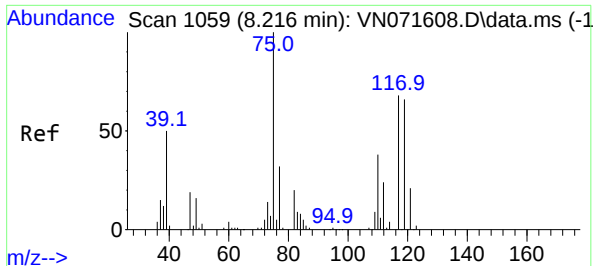
#35  
Dibromofluoromethane  
Concen: 0.000 ug/l  
Expected RT: 8.02 min  
  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion: 113  
Sig Exp Ratio  
113 100  
111 101.7  
192 21.3



Ion 110.80 (110.50 to 111.50): VN071605.D\data.ms

Ion 191.70 (191.40 to 192.40): VN071605.D\data.ms



#36

1,1-Dichloropropene

Concen: 1.011 ug/l

RT: 8.210 min Scan# 1059

Delta R.T. -0.006 min

Lab File: VN071605.D

Acq: 28 Mar 2022 15:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

Tgt Ion: 75 Resp: 998

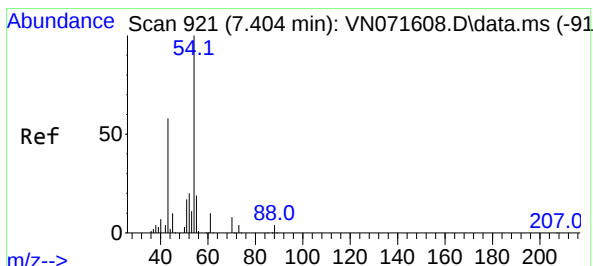
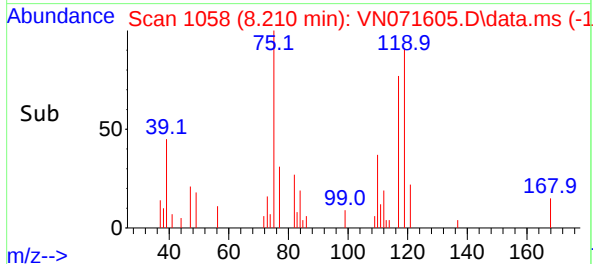
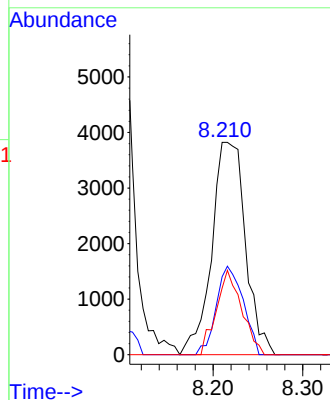
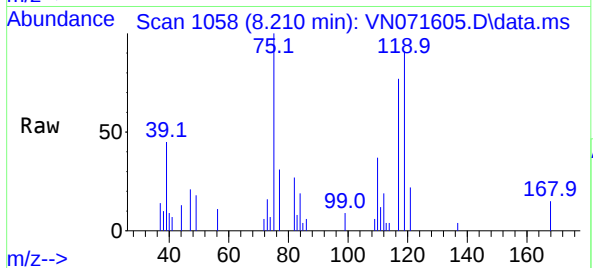
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 33.1  | 18.3  | 54.8  |
| 77  | 29.9  | 25.1  | 37.7  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/29/2022

Supervised By :Mahesh Dadoda 03/29/2022



#37

Ethyl Acetate

Concen: 0.871 ug/l

RT: 7.404 min Scan# 921

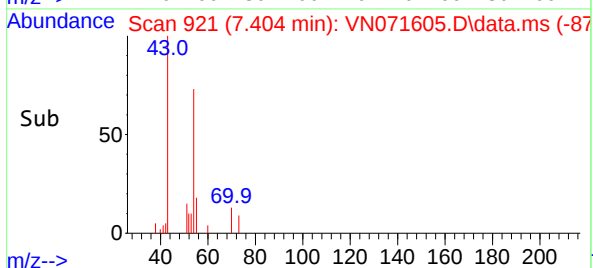
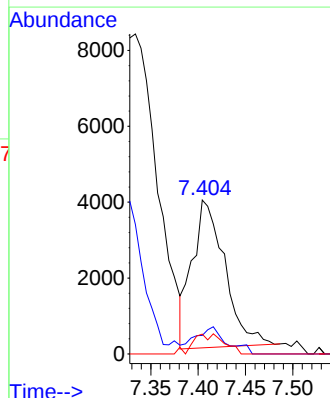
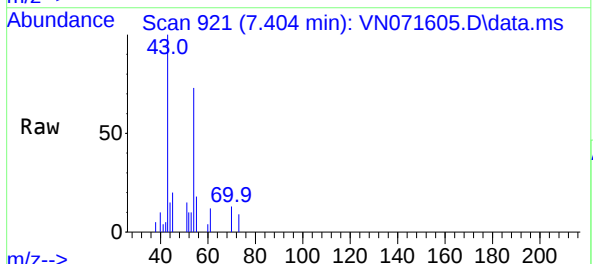
Delta R.T. 0.000 min

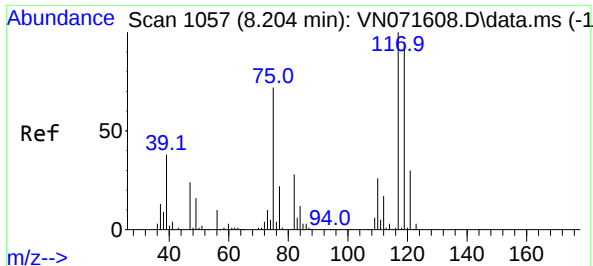
Lab File: VN071605.D

Acq: 28 Mar 2022 15:10

Tgt Ion: 43 Resp: 9341

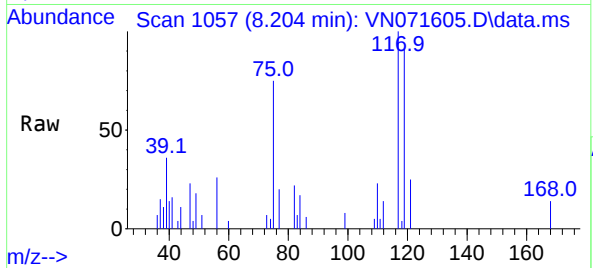
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 17.7  | 11.8  | 17.6# |
| 70  | 12.9  | 9.3   | 13.9  |





#38  
Carbon Tetrachloride  
Concen: 0.968 ug/l  
RT: 8.204 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

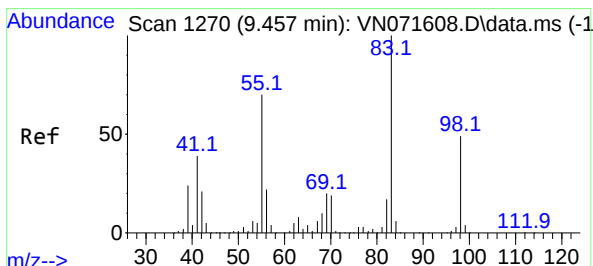
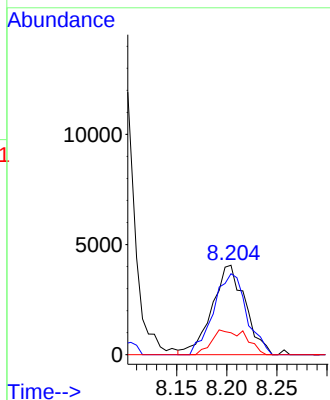
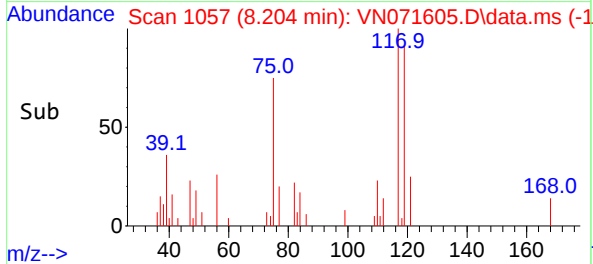
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



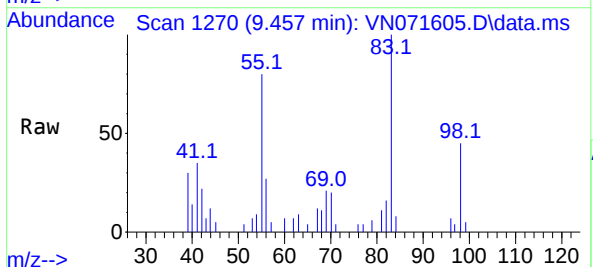
Tgt Ion: 117 Resp: 9370  
Ion Ratio Lower Upper  
117 100  
119 90.5 75.8 113.8  
121 24.6 24.6 37.0

Manual Integrations  
APPROVED

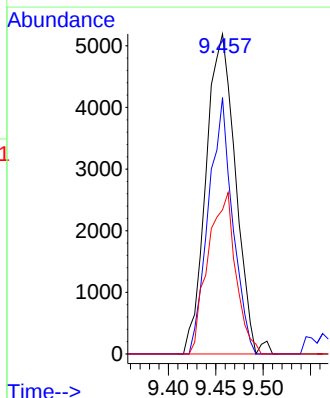
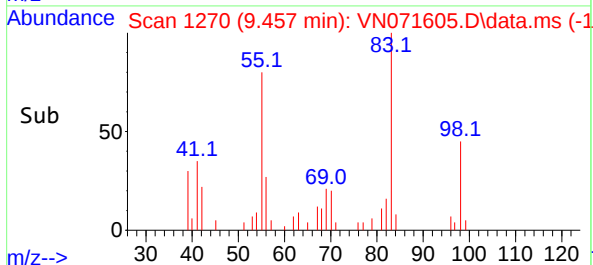
Reviewed By : John Carlone 03/29/2022  
Supervised By : Mahesh Dadoda 03/29/2022

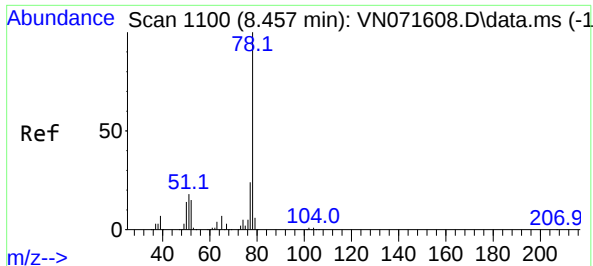


#39  
Methylcyclohexane  
Concen: 0.931 ug/l  
RT: 9.457 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



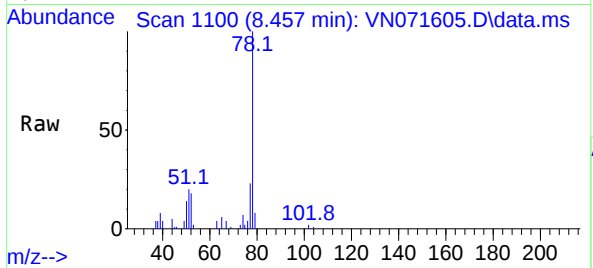
Tgt Ion: 83 Resp: 11251  
Ion Ratio Lower Upper  
83 100  
55 80.1 57.8 86.8  
98 45.1 39.4 59.2





#40  
Benzene  
Concen: 0.949 ug/l  
RT: 8.457 min Scan# 1100  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

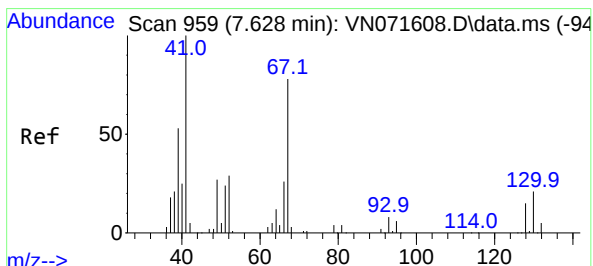
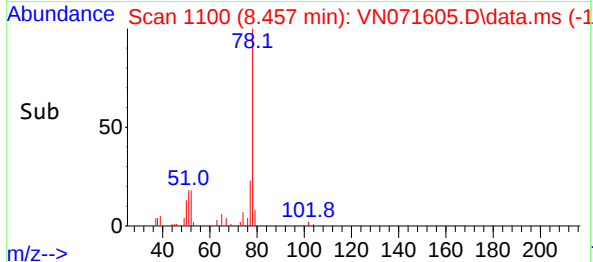
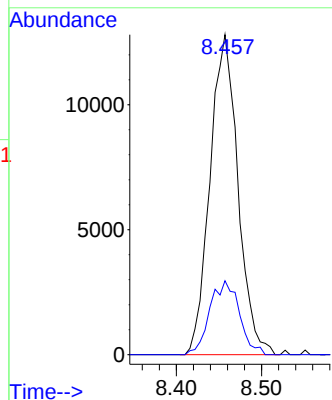
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



Tgt Ion: 78 Resp: 29219  
Ion Ratio Lower Upper  
78 100  
77 23.1 19.4 29.0

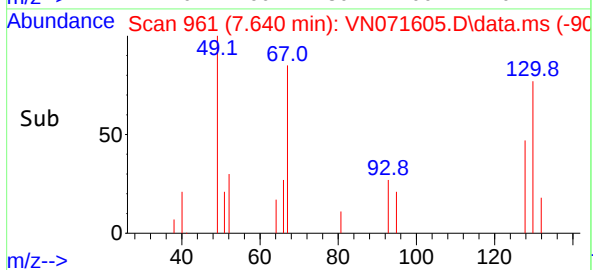
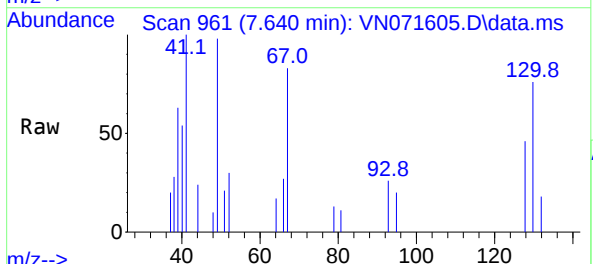
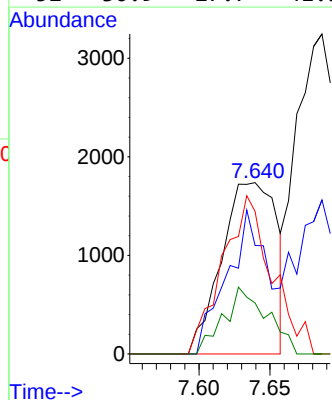
Manual Integrations  
APPROVED

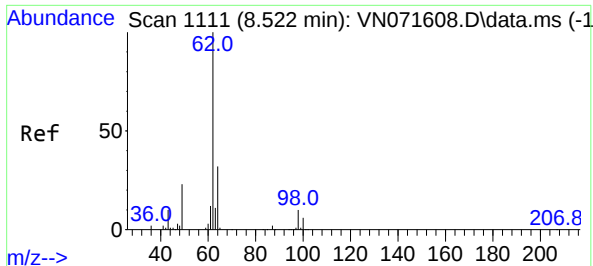
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#41  
Methacrylonitrile  
Concen: 0.907 ug/l  
RT: 7.640 min Scan# 961  
Delta R.T. 0.012 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion: 41 Resp: 4668  
Ion Ratio Lower Upper  
41 100  
39 62.8 48.6 73.0  
67 83.2 73.4 110.2  
52 30.9 27.7 41.5





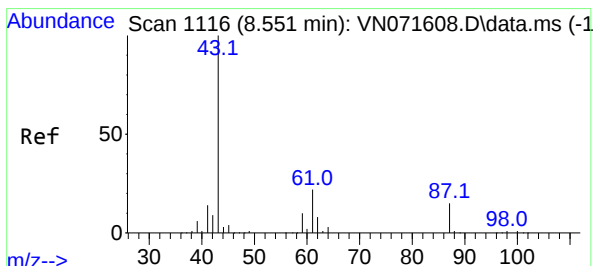
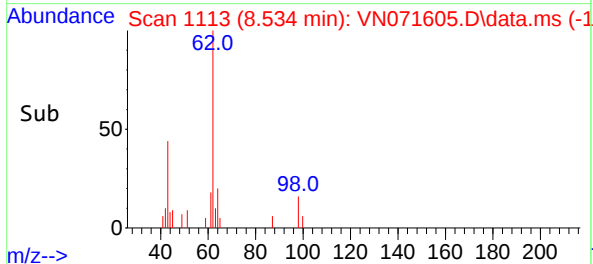
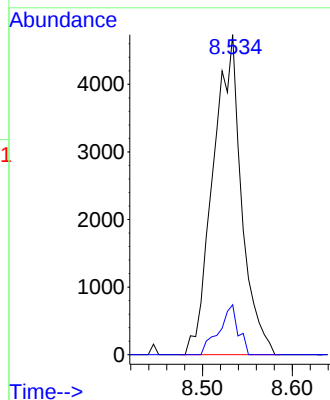
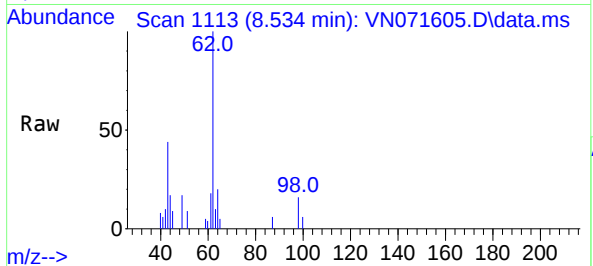
#42  
1,2-Dichloroethane  
Concen: 0.970 ug/l  
RT: 8.534 min Scan# 1111  
Delta R.T. 0.012 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 62 Resp: 1040  
Ion Ratio Lower Upper  
62 100  
98 10.5 0.0 19.4

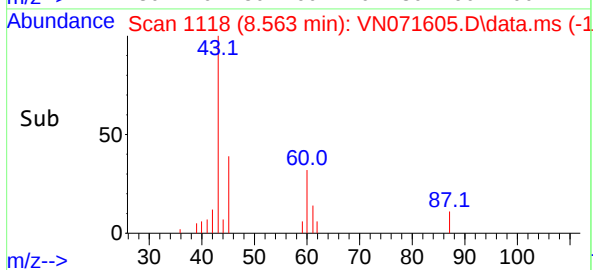
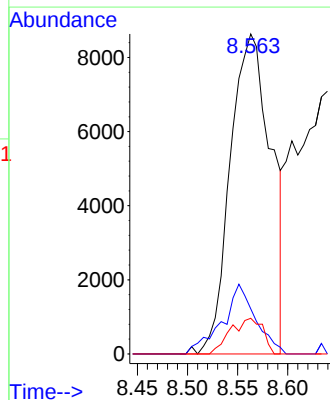
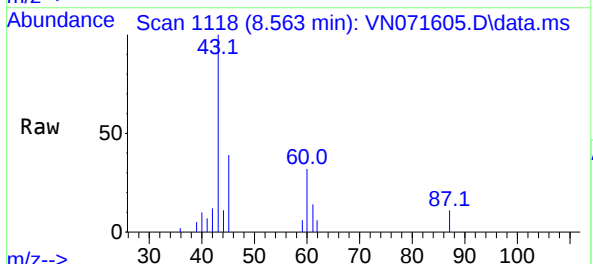
Manual Integrations  
APPROVED

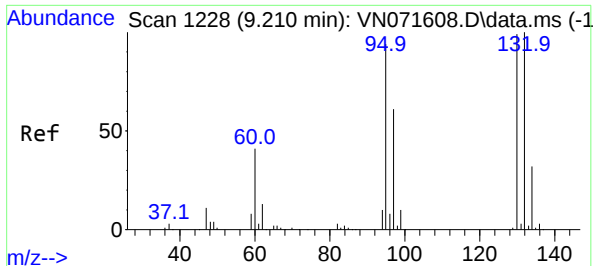
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#43  
Isopropyl Acetate  
Concen: 1.332 ug/l  
RT: 8.563 min Scan# 1118  
Delta R.T. 0.012 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

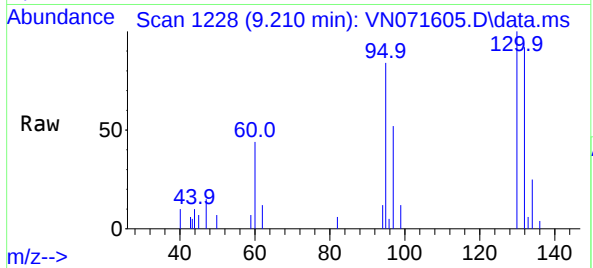
Tgt Ion: 43 Resp: 24507  
Ion Ratio Lower Upper  
43 100  
61 17.8 21.9 32.9#  
87 8.8 12.0 18.0#





#44  
Trichloroethene  
Concen: 0.986 ug/l  
RT: 9.210 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

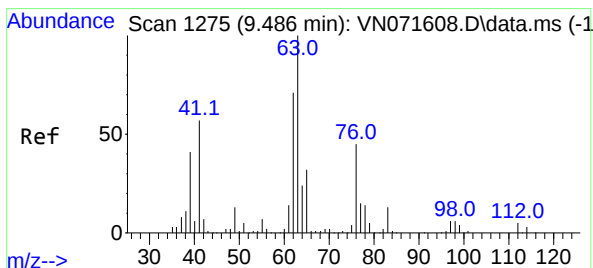
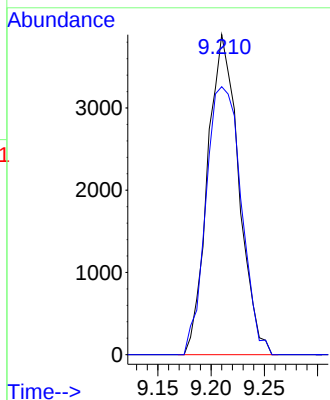
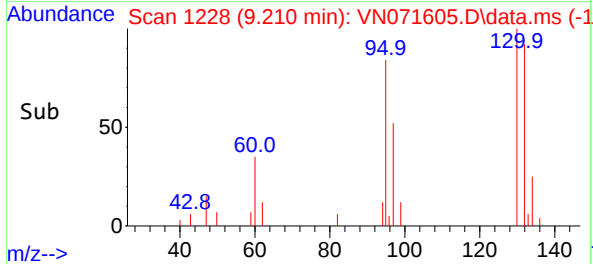
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



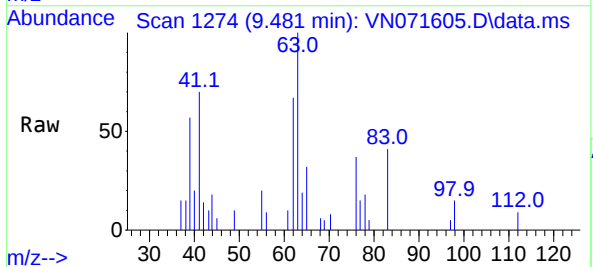
Tgt Ion:130 Resp: 789  
Ion Ratio Lower Upper  
130 100  
95 83.8 0.0 186.8

Manual Integrations  
APPROVED

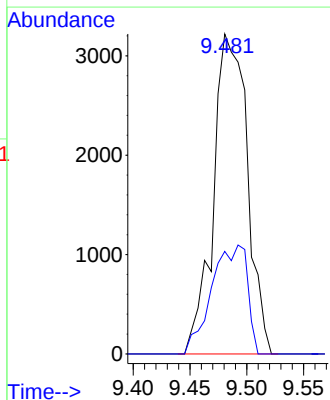
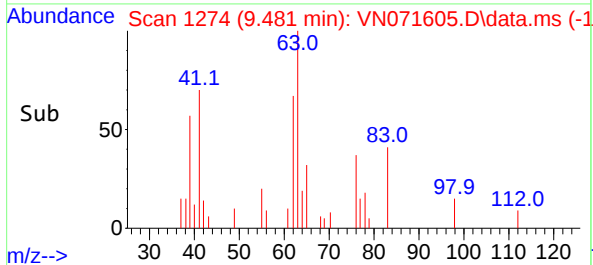
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

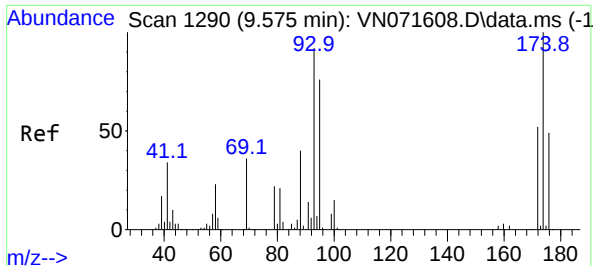


#45  
1,2-Dichloropropane  
Concen: 0.877 ug/l  
RT: 9.481 min Scan# 1274  
Delta R.T. -0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



Tgt Ion: 63 Resp: 6693  
Ion Ratio Lower Upper  
63 100  
65 32.0 24.9 37.3





#46

Dibromomethane

Concen: 0.899 ug/l

RT: 9.575 min Scan# 1290

Delta R.T. 0.000 min

Lab File: VN071605.D

Acq: 28 Mar 2022 15:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tgt Ion: 93 Resp: 4678

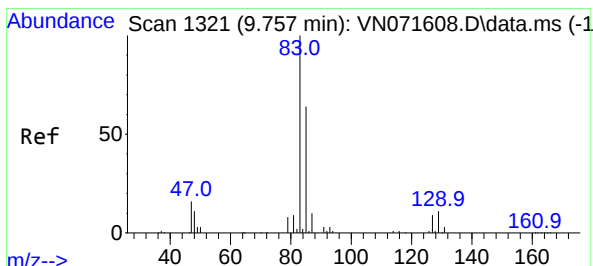
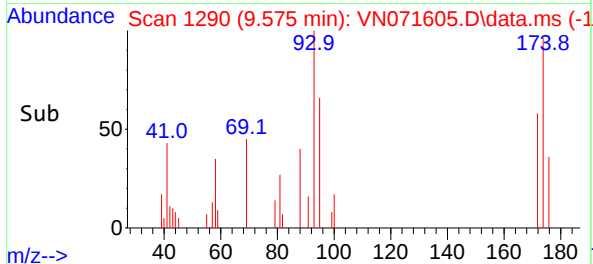
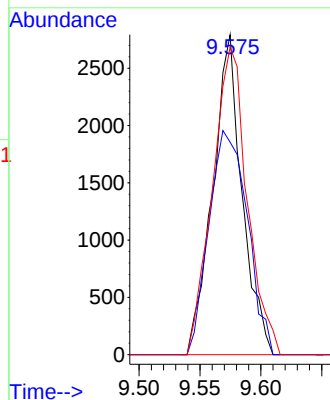
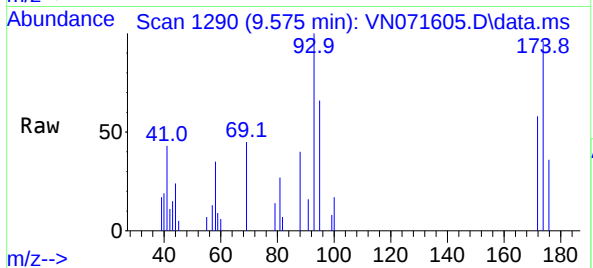
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 91.7  | 66.9  | 100.3 |
| 174 | 114.2 | 86.6  | 130.0 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/29/2022

Supervised By :Mahesh Dadoda 03/29/2022



#47

Bromodichloromethane

Concen: 0.836 ug/l

RT: 9.757 min Scan# 1321

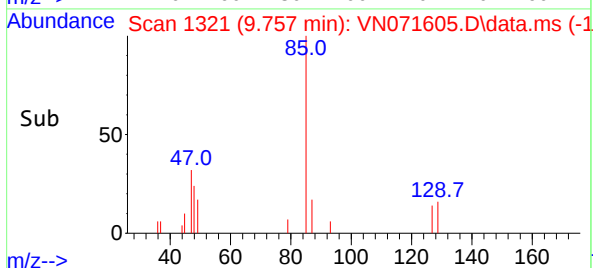
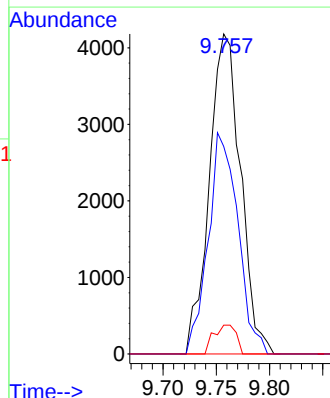
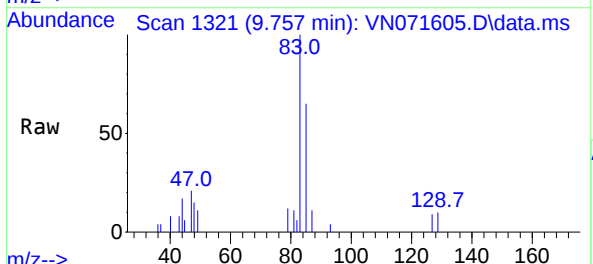
Delta R.T. 0.000 min

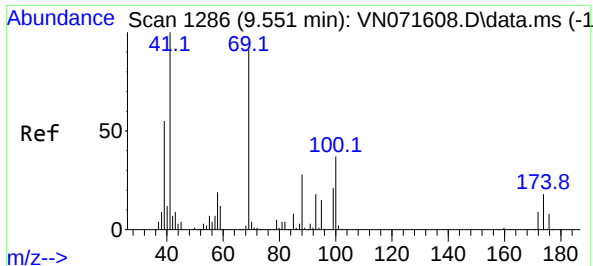
Lab File: VN071605.D

Acq: 28 Mar 2022 15:10

Tgt Ion: 83 Resp: 8544

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.8  | 50.5  | 75.7  |
| 127 | 9.0   | 6.8   | 10.2  |





#48

Methyl methacrylate

Concen: 0.858 ug/l

RT: 9.557 min Scan# 1287

Delta R.T. 0.006 min

Lab File: VN071605.D

Acq: 28 Mar 2022 15:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

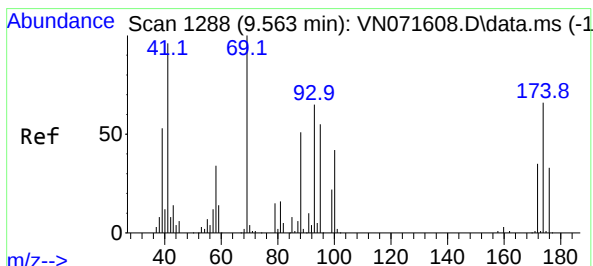
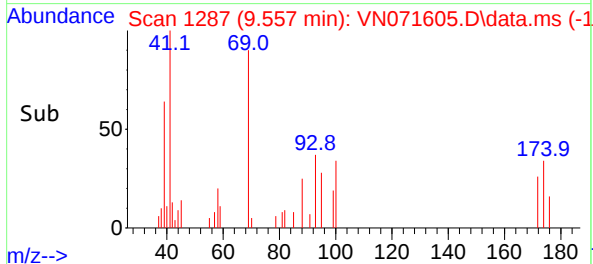
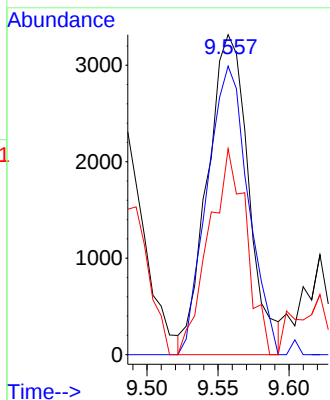
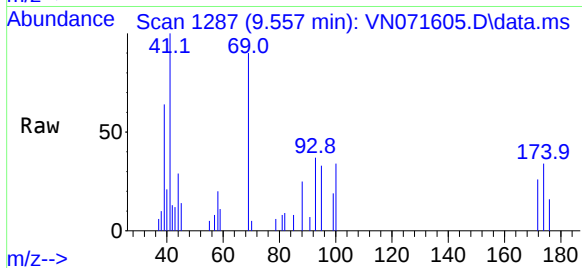
Tgt Ion: 41 Resp: 667  
 Ion Ratio Lower Upper  
 41 100  
 69 90.5 74.7 112.1  
 39 58.5 45.6 68.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/29/2022

Supervised By :Mahesh Dadoda 03/29/2022



#49

1,4-Dioxane

Concen: 17.527 ug/l

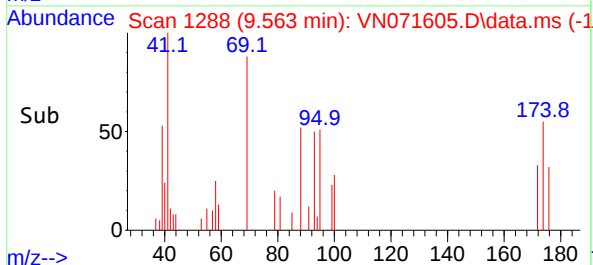
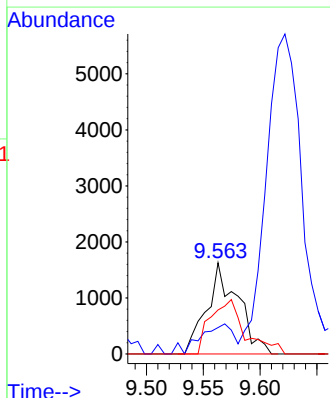
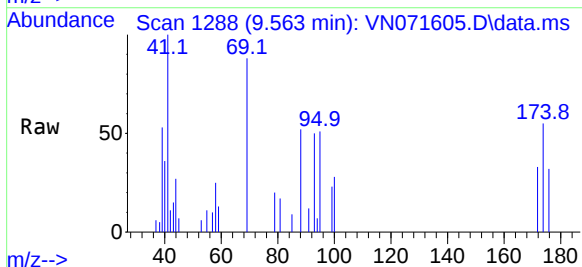
RT: 9.563 min Scan# 1288

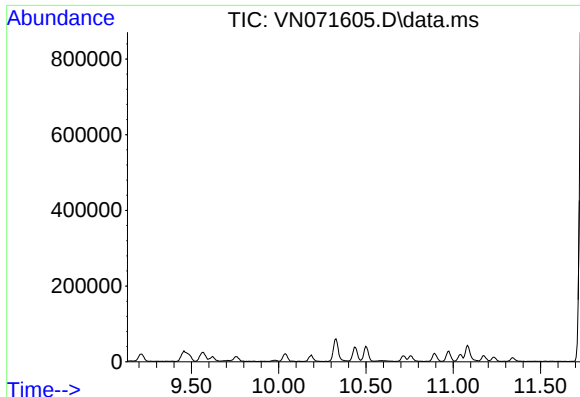
Delta R.T. 0.000 min

Lab File: VN071605.D

Acq: 28 Mar 2022 15:10

Tgt Ion: 88 Resp: 3108  
 Ion Ratio Lower Upper  
 88 100  
 43 35.3 20.2 30.4#  
 58 66.2 54.2 81.4





#50  
Toluene-d8  
Concen: 0.000 ug/l  
Expected RT: 10.43 min

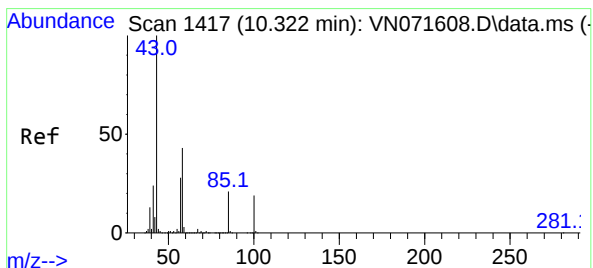
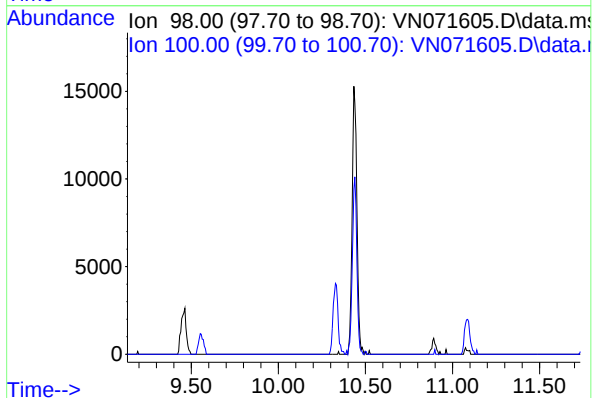
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion: 98  
Sig Exp Ratio  
98 100  
100 65.7

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

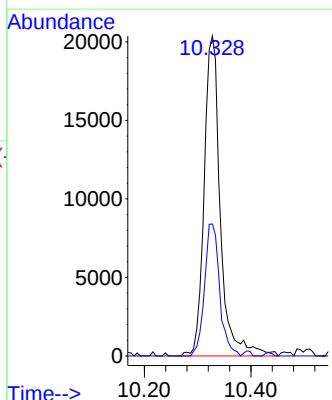
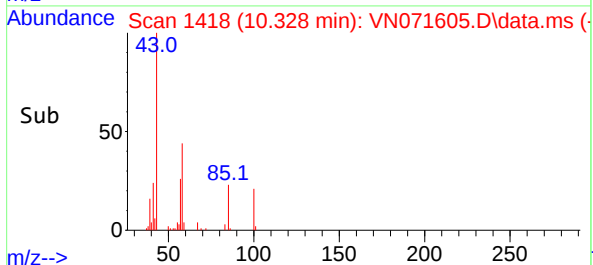
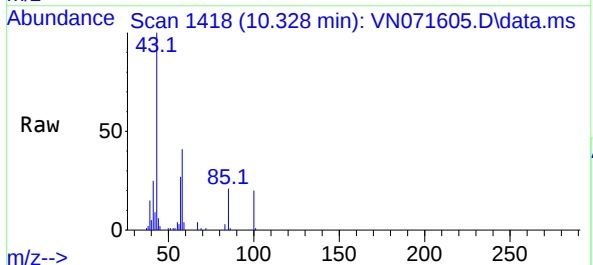
Manual Integrations  
APPROVED

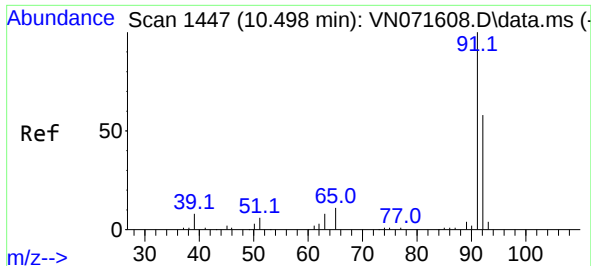
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#51  
4-Methyl-2-Pentanone  
Concen: 3.985 ug/l  
RT: 10.328 min Scan# 1418  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

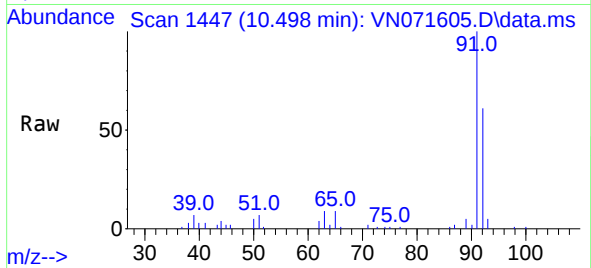
Tgt Ion: 43 Resp: 42957  
Ion Ratio Lower Upper  
43 100  
58 38.5 34.1 51.1





#52  
Toluene  
Concen: 0.922 ug/l  
RT: 10.498 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

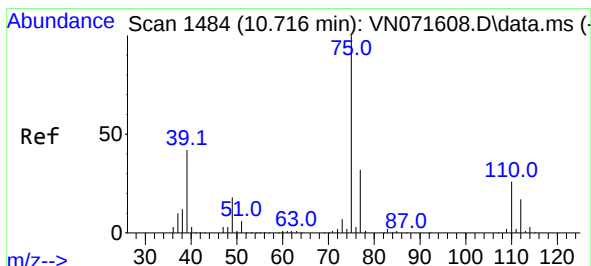
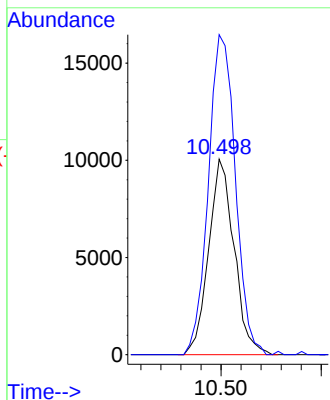
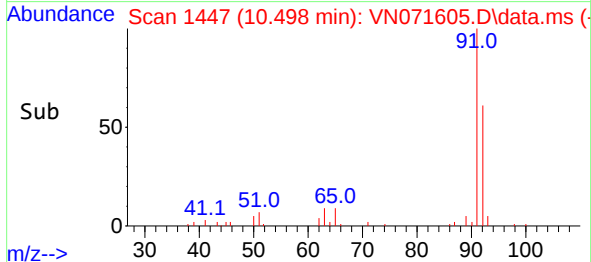
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



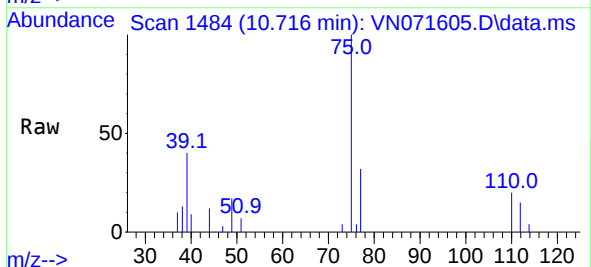
Tgt Ion: 92 Resp: 17792  
Ion Ratio Lower Upper  
92 100  
91 173.2 138.6 207.8

Manual Integrations  
APPROVED

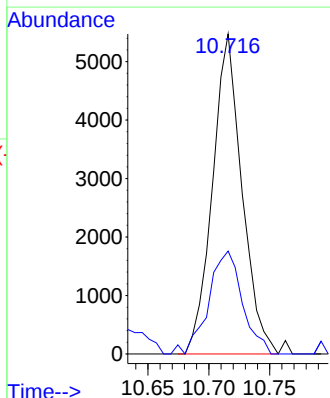
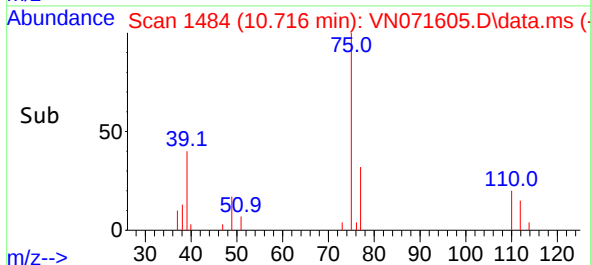
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

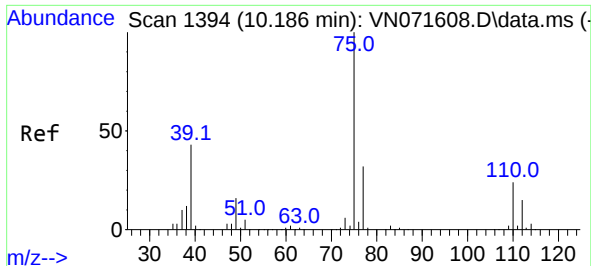


#53  
t-1,3-Dichloropropene  
Concen: 0.842 ug/l  
RT: 10.716 min Scan# 1484  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



Tgt Ion: 75 Resp: 9214  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.6 38.4





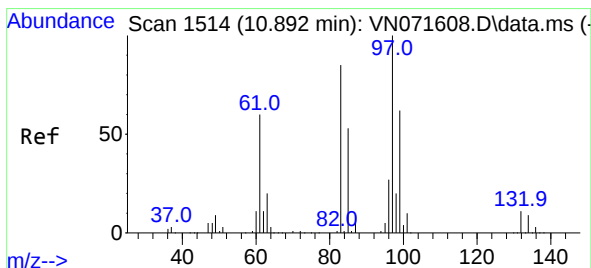
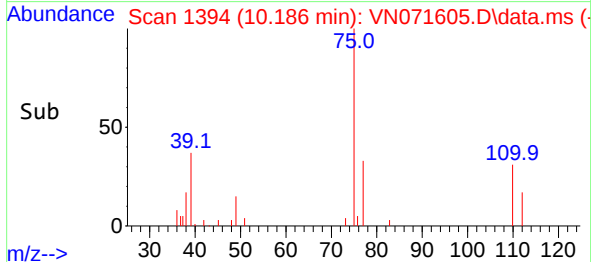
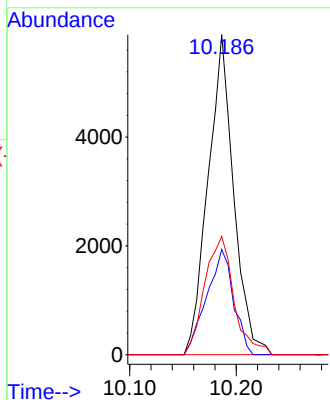
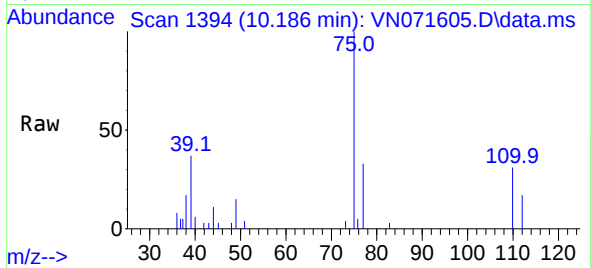
#54  
cis-1,3-Dichloropropene  
Concen: 0.813 ug/l  
RT: 10.186 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 75 Resp: 983  
Ion Ratio Lower Upper  
75 100  
77 32.9 25.2 37.8  
39 36.9 35.7 53.5

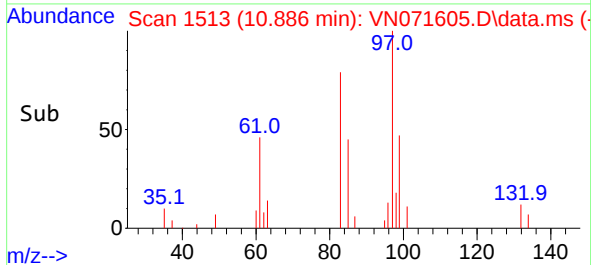
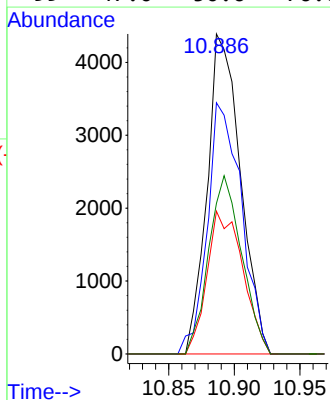
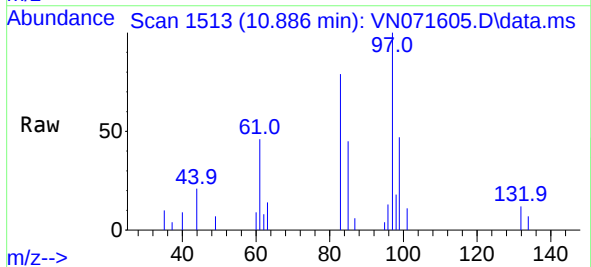
Manual Integrations  
APPROVED

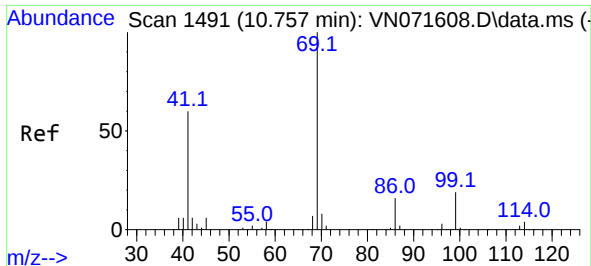
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#55  
1,1,2-Trichloroethane  
Concen: 0.991 ug/l  
RT: 10.886 min Scan# 1513  
Delta R.T. -0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

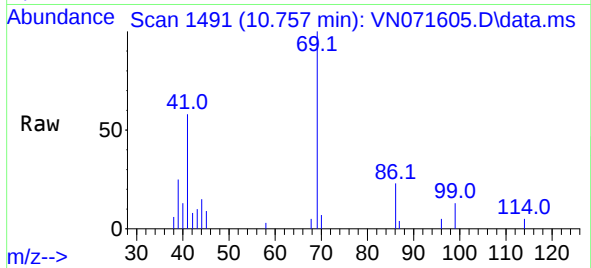
Tgt Ion: 97 Resp: 7777  
Ion Ratio Lower Upper  
97 100  
83 78.5 66.2 99.4  
85 44.6 43.9 65.9  
99 47.0 50.6 76.0#





#56  
Ethyl methacrylate  
Concen: 0.744 ug/l  
RT: 10.757 min Scan# 1491  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

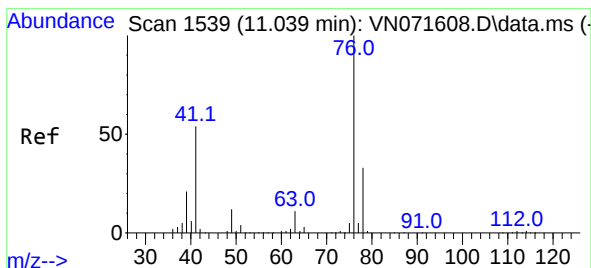
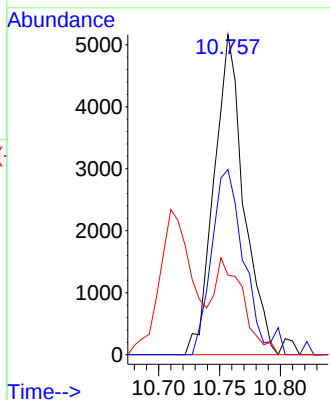
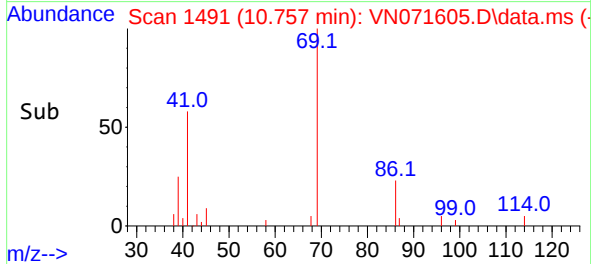
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



Tgt Ion: 69 Resp: 8760  
Ion Ratio Lower Upper  
69 100  
41 63.9 47.8 71.6  
39 29.2 27.3 40.9

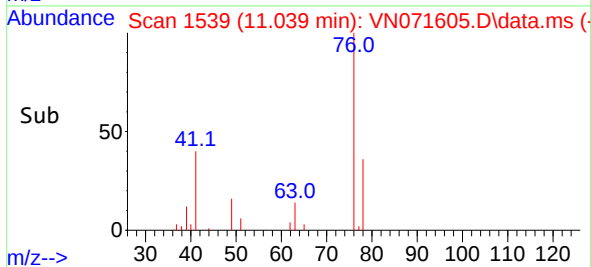
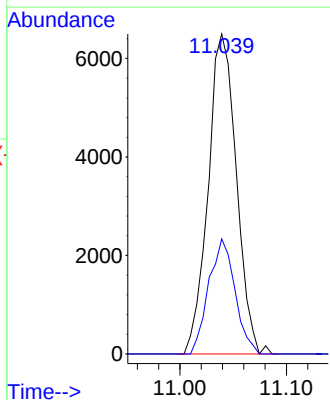
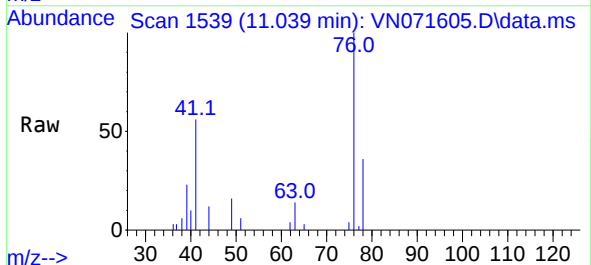
Manual Integrations  
APPROVED

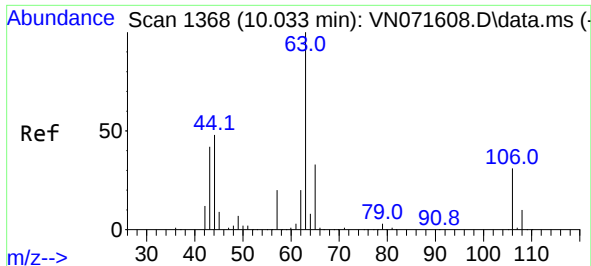
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#57  
1,3-Dichloropropane  
Concen: 0.908 ug/l  
RT: 11.039 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion: 76 Resp: 11956  
Ion Ratio Lower Upper  
76 100  
78 33.5 26.2 39.2





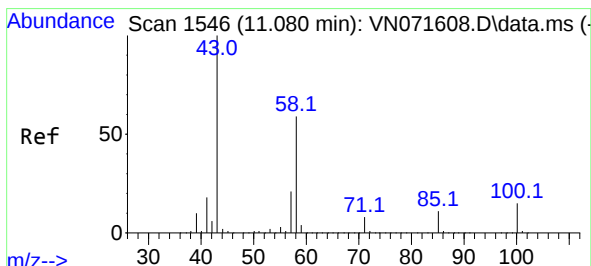
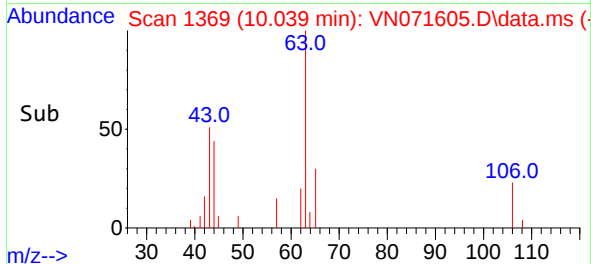
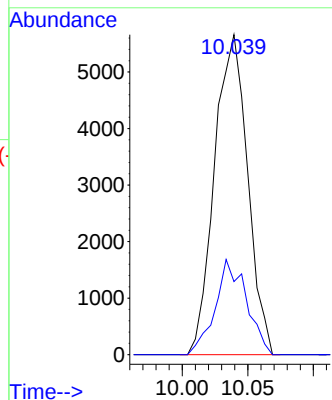
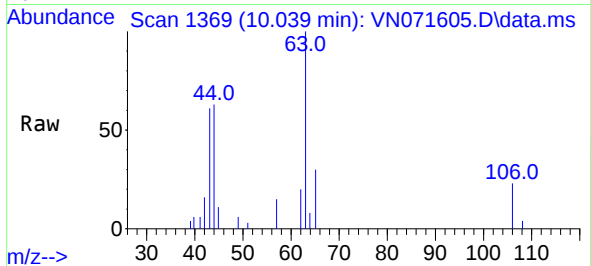
#58  
2-Chloroethyl Vinyl ether  
Concen: 3.393 ug/l  
RT: 10.039 min Scan# 1368  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 63 Resp: 993  
Ion Ratio Lower Upper  
63 100  
106 28.1 24.6 36.8

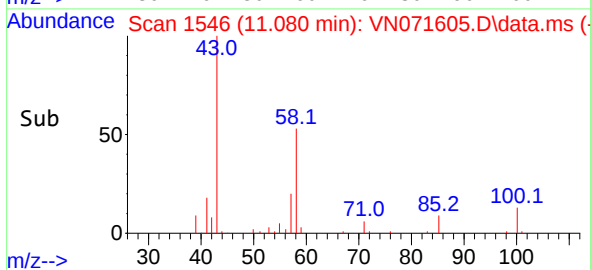
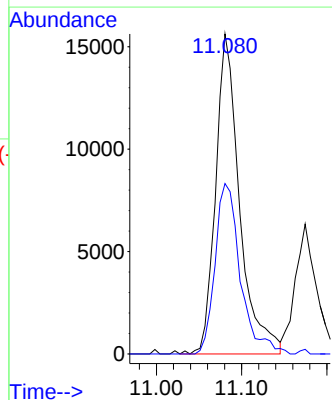
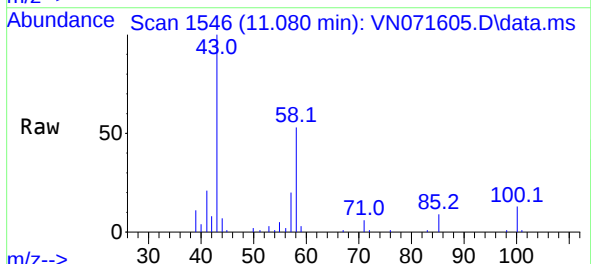
Manual Integrations  
APPROVED

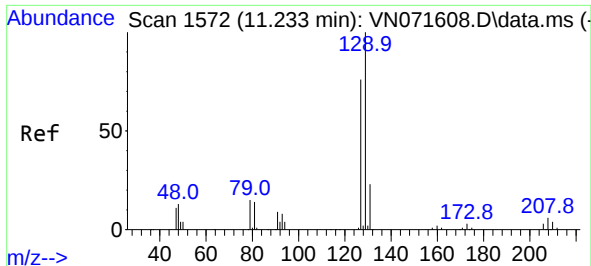
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#59  
2-Hexanone  
Concen: 3.931 ug/l  
RT: 11.080 min Scan# 1546  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion: 43 Resp: 30523  
Ion Ratio Lower Upper  
43 100  
58 56.2 29.7 89.1





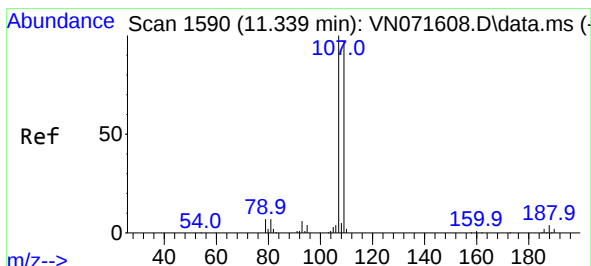
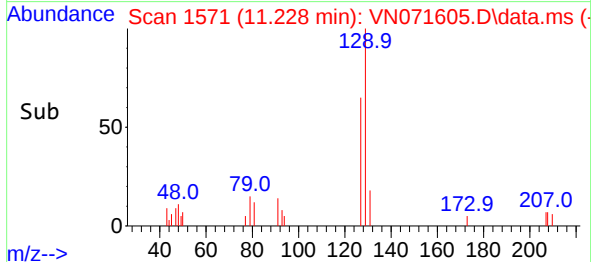
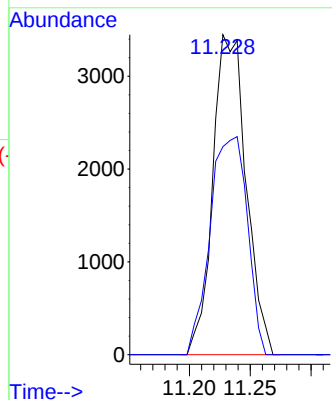
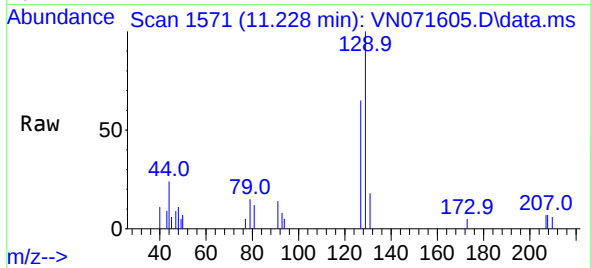
#60  
Dibromochloromethane  
Concen: 0.827 ug/l  
RT: 11.228 min Scan# 1128  
Delta R.T. -0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:129 Resp: 655  
Ion Ratio Lower Upper  
129 100  
127 76.1 38.8 116.4

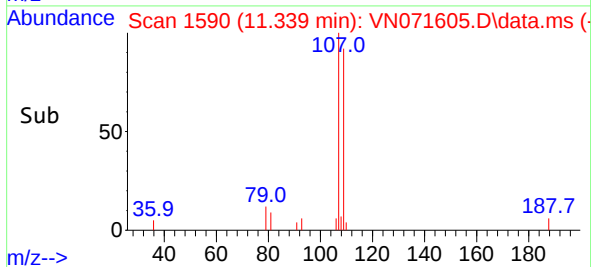
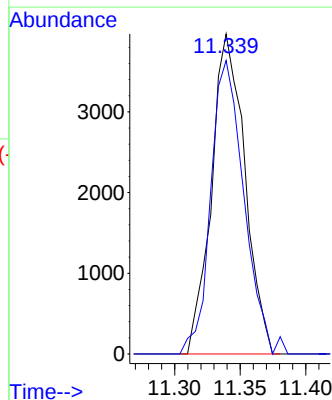
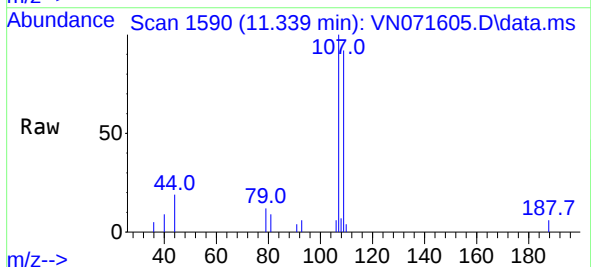
Manual Integrations  
APPROVED

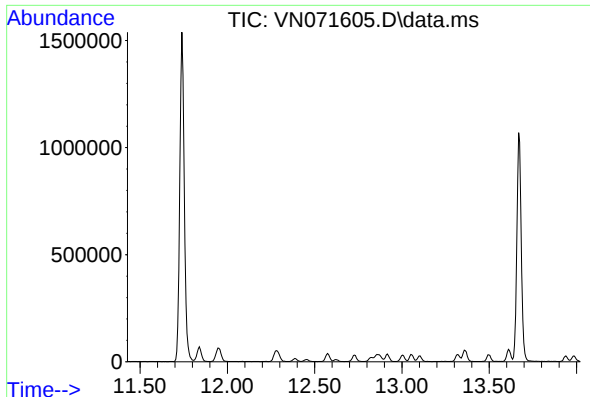
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#61  
1,2-Dibromoethane  
Concen: 0.886 ug/l  
RT: 11.339 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion:107 Resp: 6997  
Ion Ratio Lower Upper  
107 100  
109 91.7 75.0 112.6





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

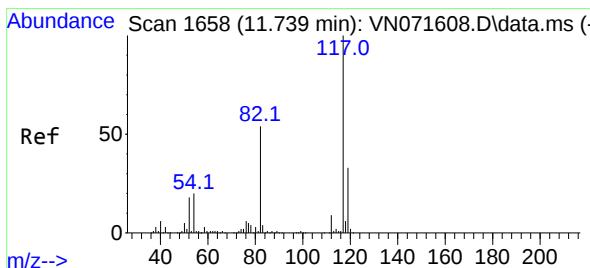
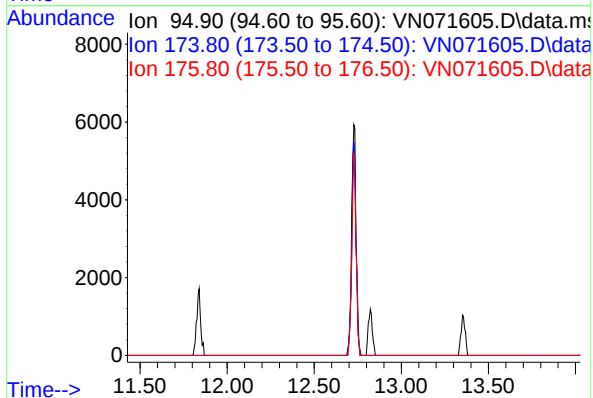
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 95  
Sig Exp Ratio  
95 100  
174 83.8  
176 81.7

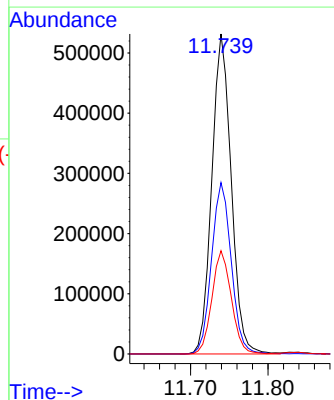
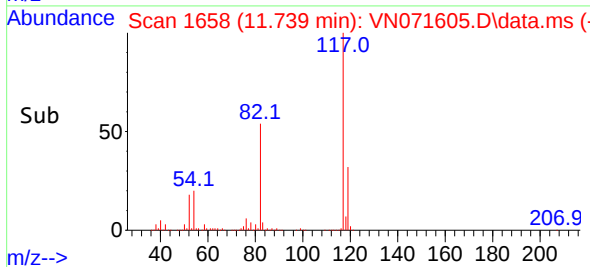
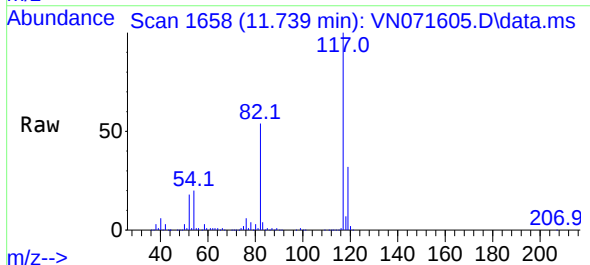
Manual Integrations  
APPROVED

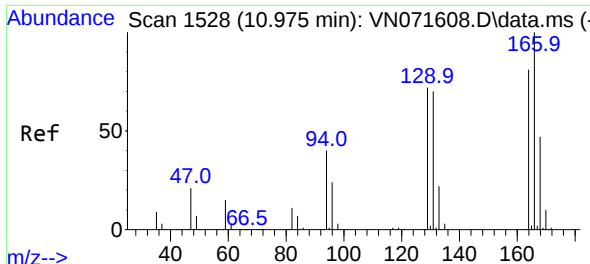
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

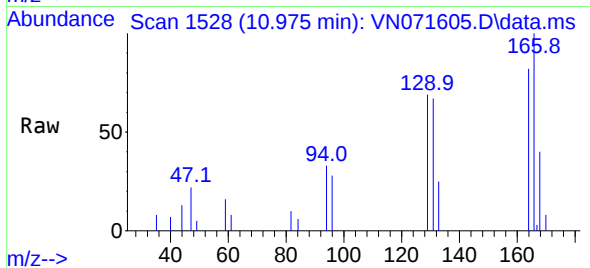
Tgt Ion:117 Resp: 925721  
Ion Ratio Lower Upper  
117 100  
82 53.5 44.2 66.2  
119 32.3 25.4 38.0





#64  
Tetrachloroethene  
Concen: 1.121 ug/l  
RT: 10.975 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

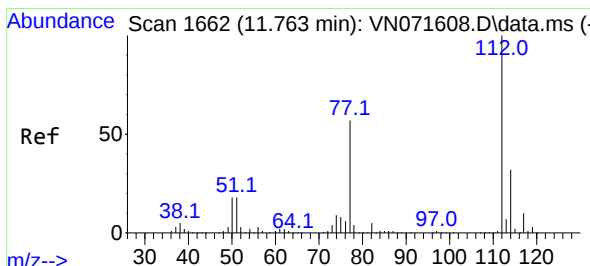
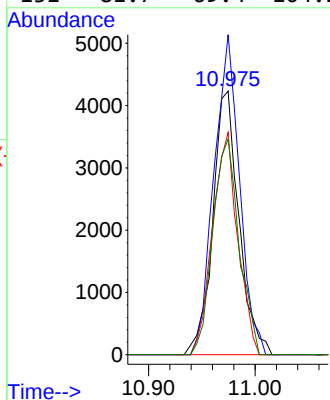
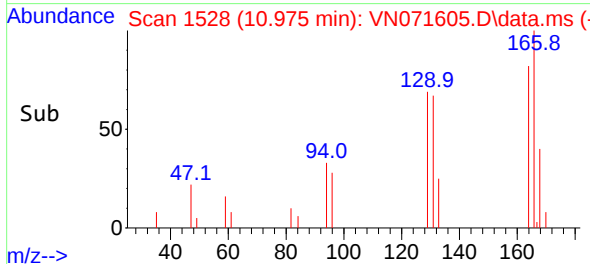
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



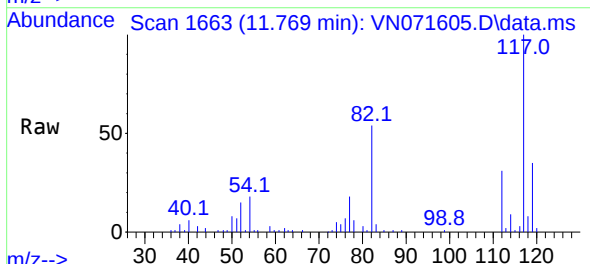
Tgt Ion:164 Resp: 7204  
Ion Ratio Lower Upper  
164 100  
166 121.3 104.2 156.2  
129 84.3 73.9 110.9  
131 81.7 69.4 104.2

Manual Integrations  
APPROVED

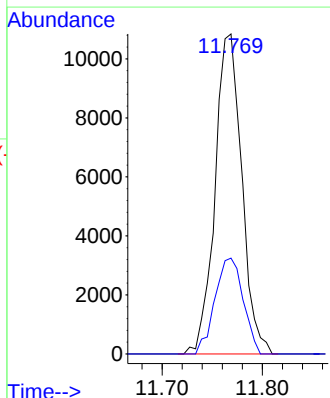
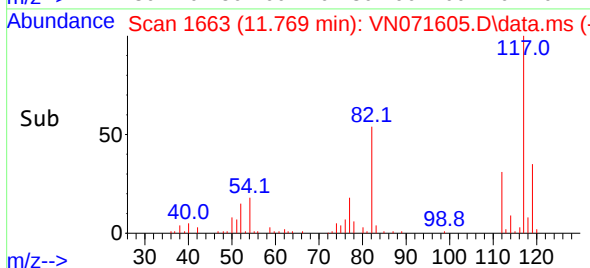
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

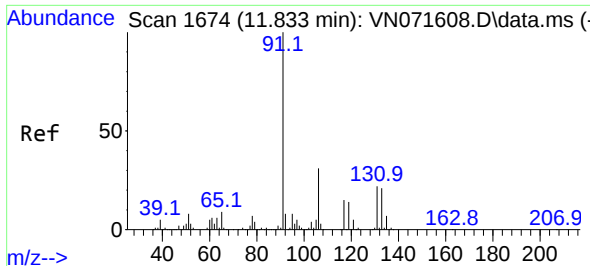


#65  
Chlorobenzene  
Concen: 1.018 ug/l  
RT: 11.769 min Scan# 1663  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



Tgt Ion:112 Resp: 20053  
Ion Ratio Lower Upper  
112 100  
114 29.9 25.4 38.2





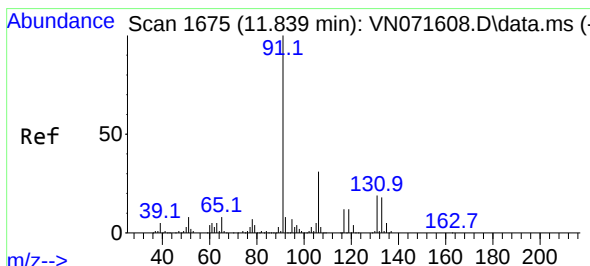
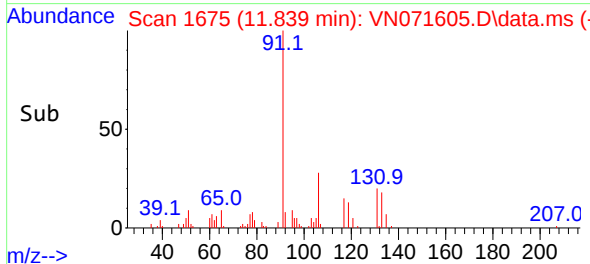
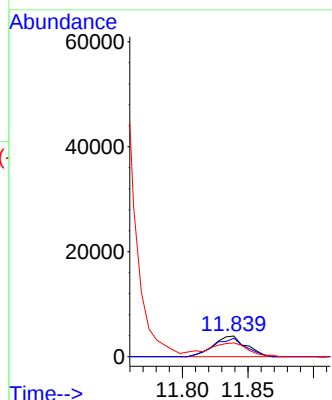
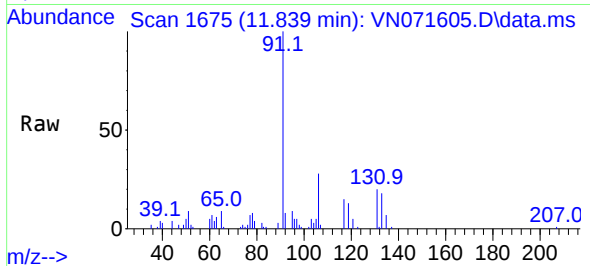
#66  
1,1,1,2-Tetrachloroethane  
Concen: 0.980 ug/l  
RT: 11.839 min Scan# 1674  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:131 Resp: 685  
Ion Ratio Lower Upper  
131 100  
133 88.0 47.8 143.4  
119 0.0 33.4 100.2

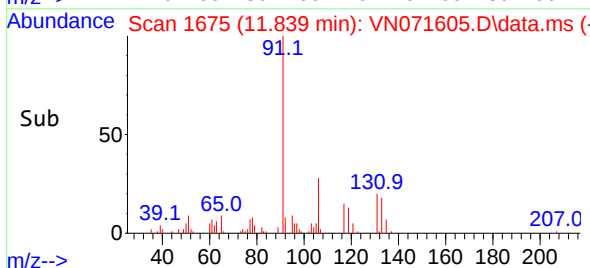
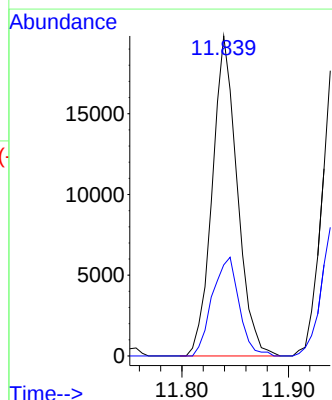
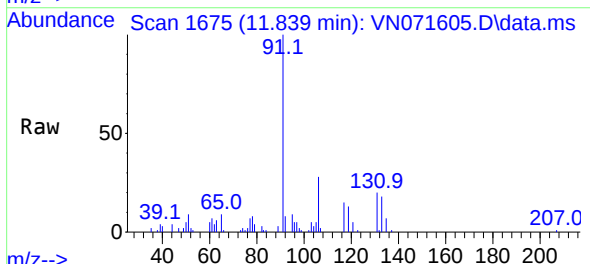
Manual Integrations  
APPROVED

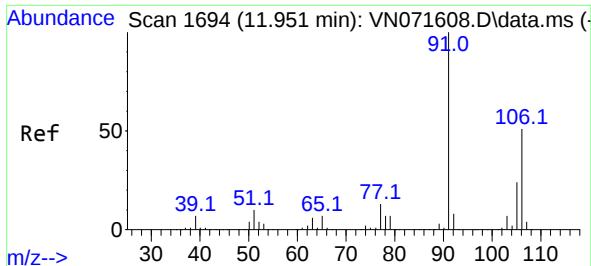
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#67  
Ethyl Benzene  
Concen: 0.952 ug/l  
RT: 11.839 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion: 91 Resp: 32229  
Ion Ratio Lower Upper  
91 100  
106 28.5 24.9 37.3





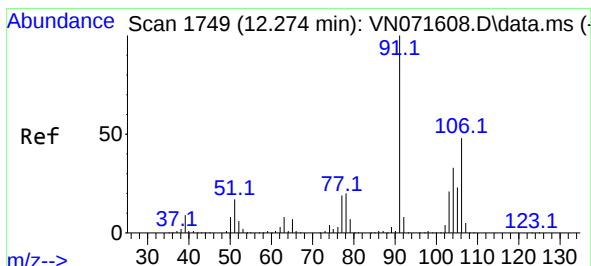
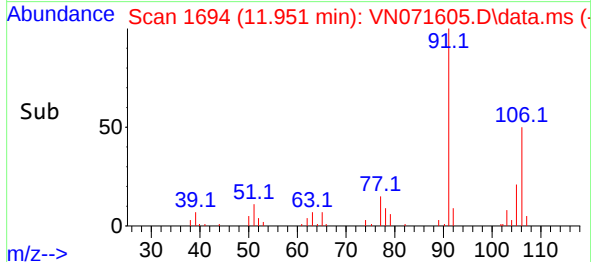
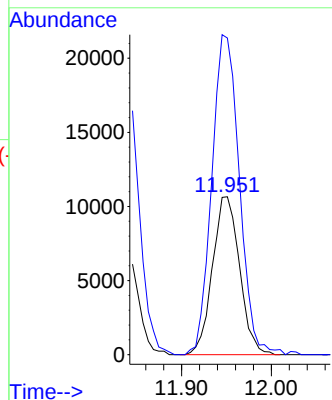
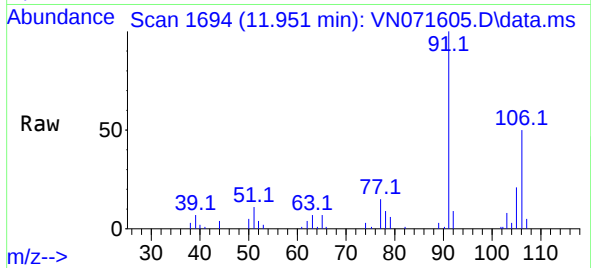
#68  
m/p-Xylenes  
Concen: 1.728 ug/l  
RT: 11.951 min Scan# 1694  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:106 Resp: 2234  
Ion Ratio Lower Upper  
106 100  
91 206.1 158.9 238.3

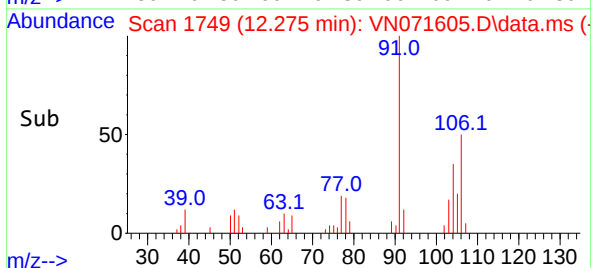
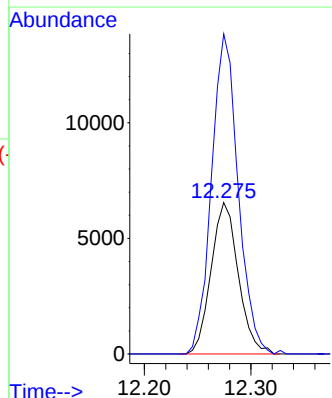
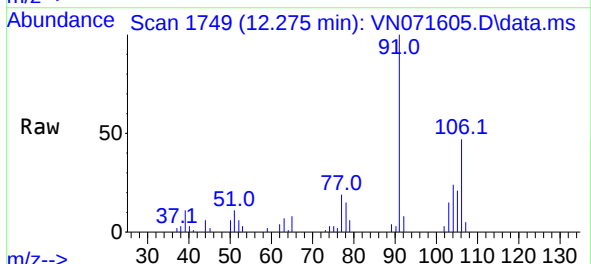
Manual Integrations  
APPROVED

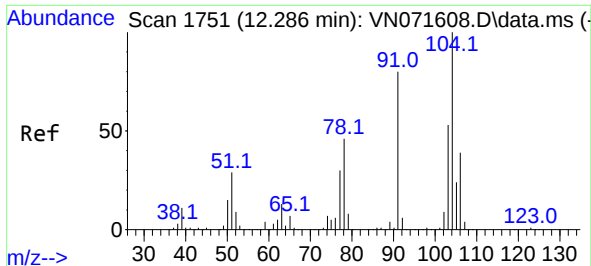
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#69  
o-Xylene  
Concen: 0.903 ug/l  
RT: 12.275 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion:106 Resp: 11616  
Ion Ratio Lower Upper  
106 100  
91 206.8 106.0 318.0





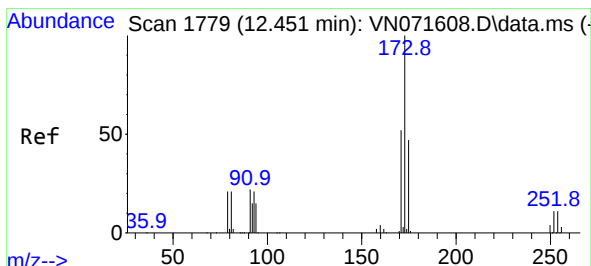
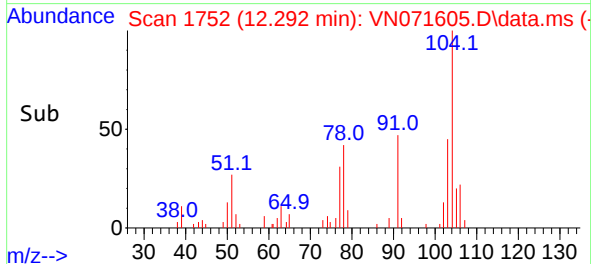
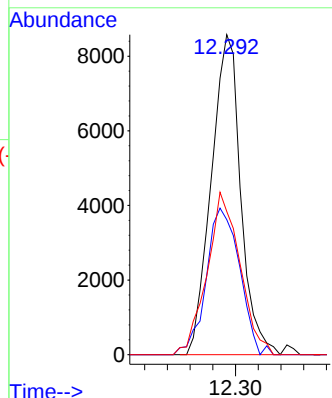
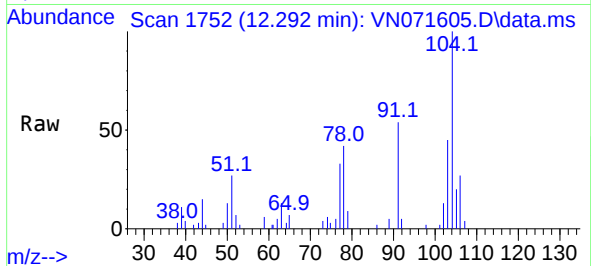
#70  
Styrene  
Concen: 0.769 ug/l  
RT: 12.292 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:104 Resp: 1544  
Ion Ratio Lower Upper  
104 100  
78 51.9 39.5 59.3  
103 56.7 44.0 66.0

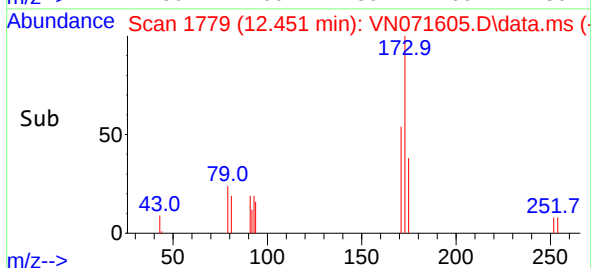
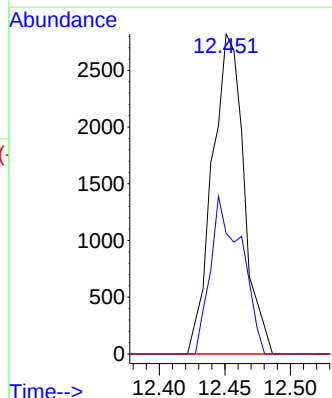
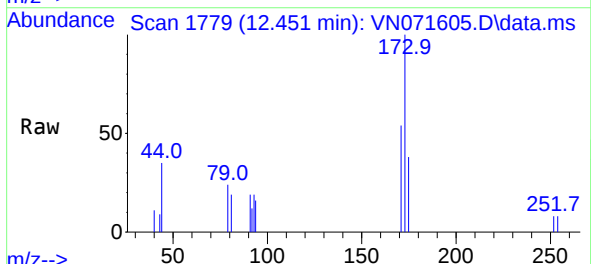
Manual Integrations  
APPROVED

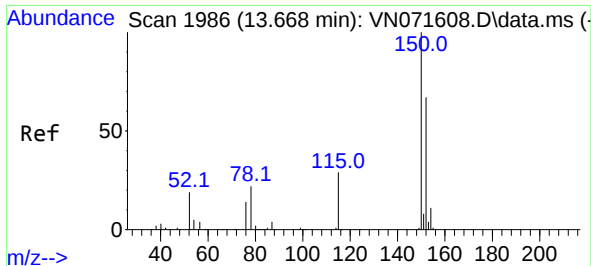
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#71  
Bromoform  
Concen: 0.861 ug/l  
RT: 12.451 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

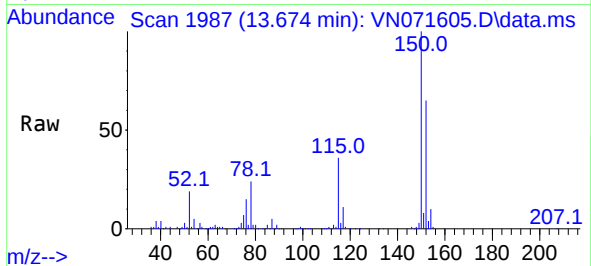
Tgt Ion:173 Resp: 4730  
Ion Ratio Lower Upper  
173 100  
175 48.3 24.6 73.6  
254 0.0 0.1 0.1#





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.674 min Scan# 1986  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

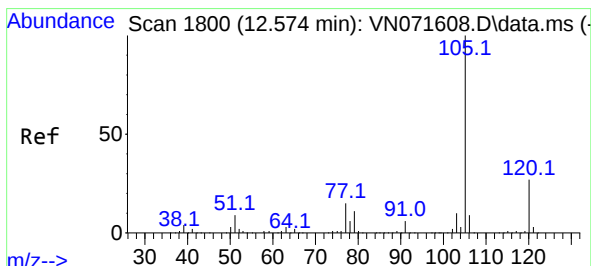
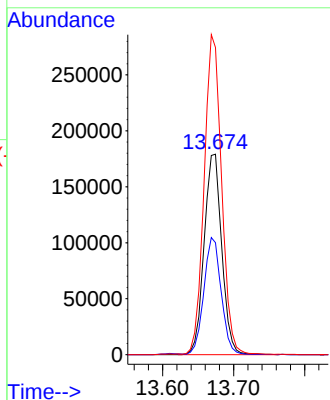
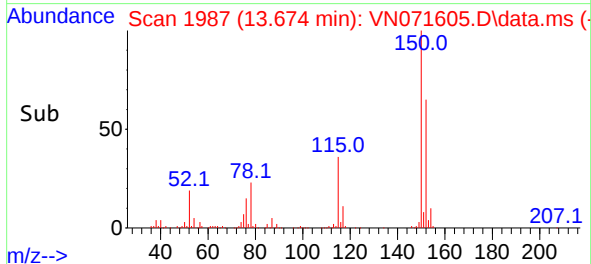
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



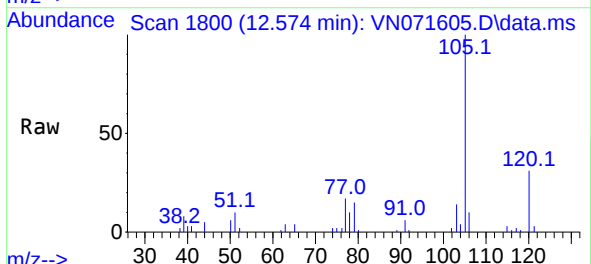
Tgt Ion:152 Resp: 31004  
Ion Ratio Lower Upper  
152 100  
115 57.5 28.9 86.7  
150 158.6 0.0 356.2

Manual Integrations  
APPROVED

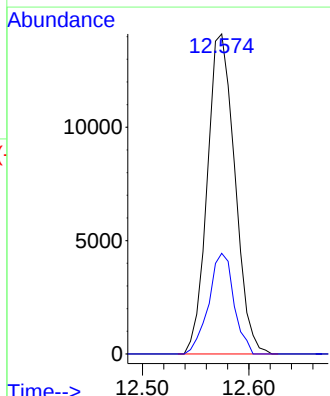
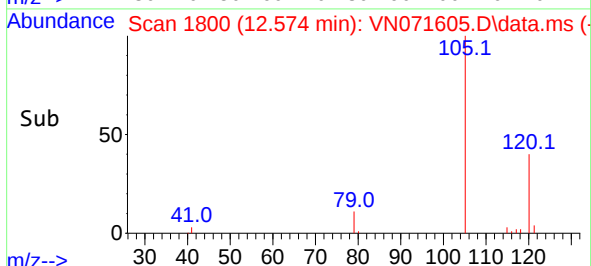
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

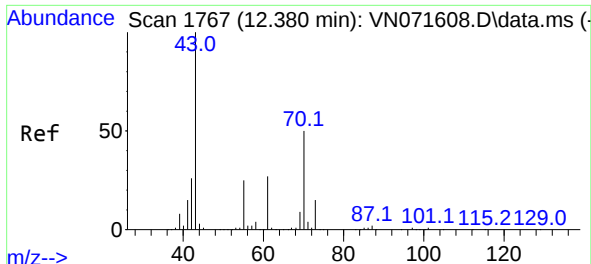


#73  
Isopropylbenzene  
Concen: 0.929 ug/l  
RT: 12.574 min Scan# 1800  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



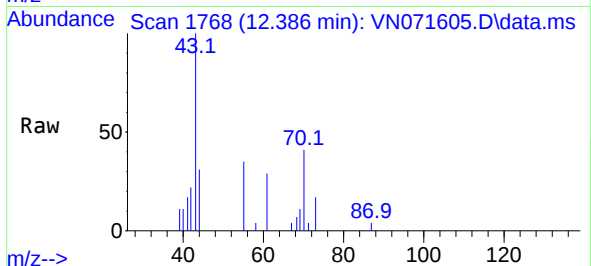
Tgt Ion:105 Resp: 25340  
Ion Ratio Lower Upper  
105 100  
120 28.7 13.5 40.4





#74  
N-amy1 acetate  
Concen: 0.845 ug/l  
RT: 12.386 min Scan# 1767  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

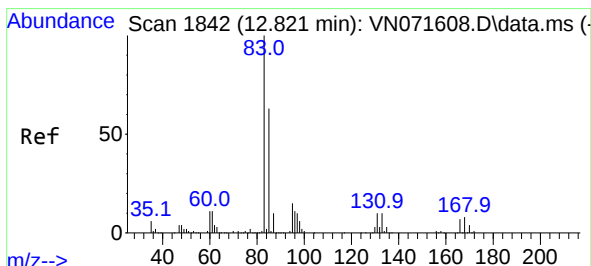
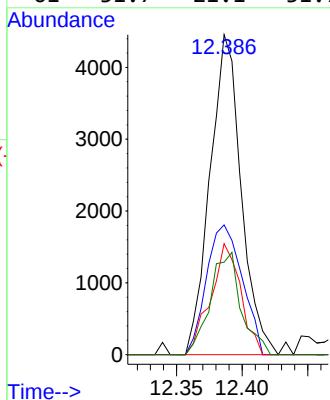
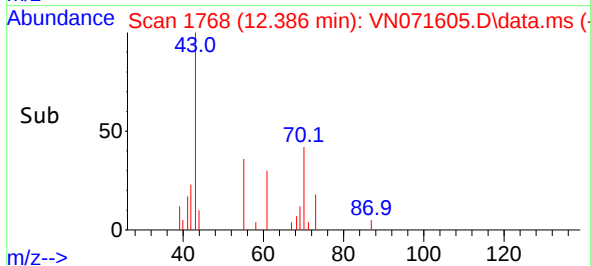
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



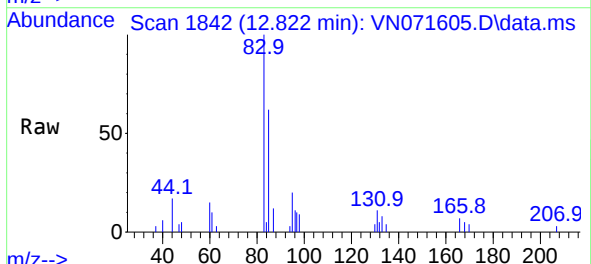
Tgt Ion: 43 Resp: 736  
Ion Ratio Lower Upper  
43 100  
70 46.5 39.0 58.4  
55 33.3 21.1 31.7  
61 31.7 21.1 31.7#

Manual Integrations  
APPROVED

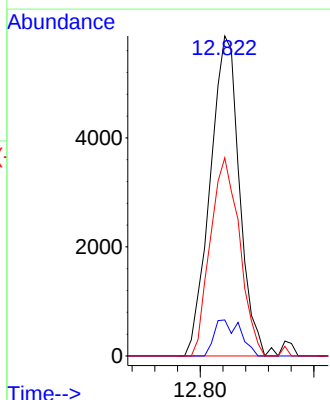
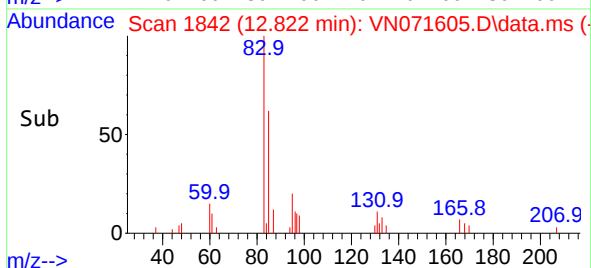
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

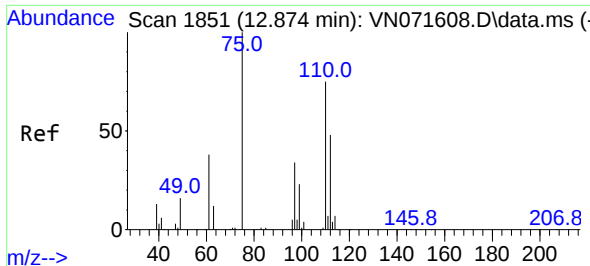


#75  
1,1,2,2-Tetrachloroethane  
Concen: 1.135 ug/l  
RT: 12.822 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



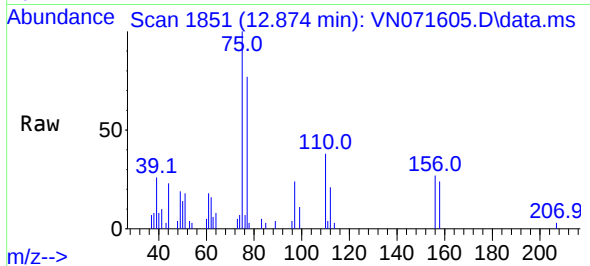
Tgt Ion: 83 Resp: 10545  
Ion Ratio Lower Upper  
83 100  
131 10.0 5.3 15.9  
85 61.6 32.3 96.9





#76  
1,2,3-Trichloropropane  
Concen: 1.058 ug/l m  
RT: 12.874 min Scan# 1851  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

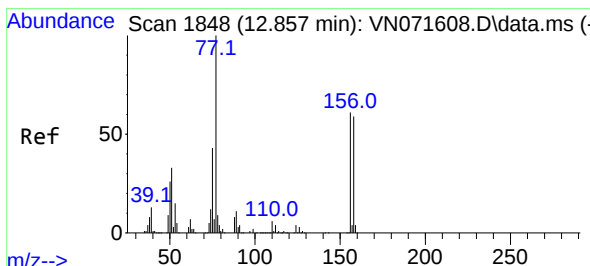
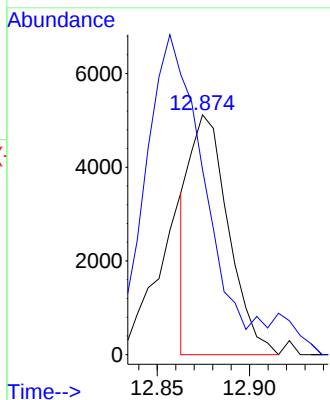
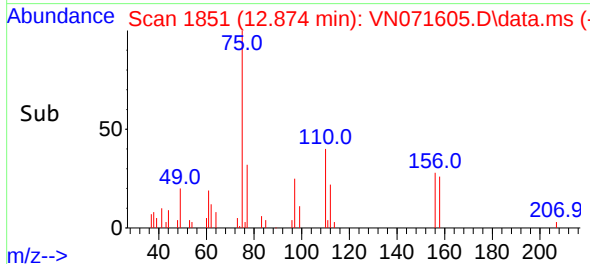
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



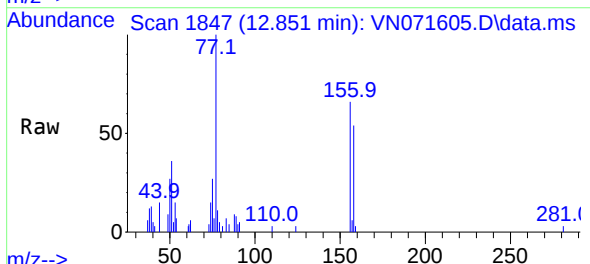
Tgt Ion: 75 Resp: 7430  
Ion Ratio Lower Upper  
75 100  
77 206.2 98.5 295.5

Manual Integrations  
APPROVED

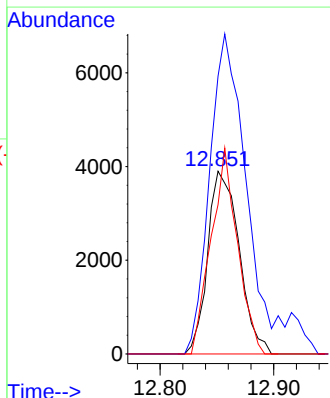
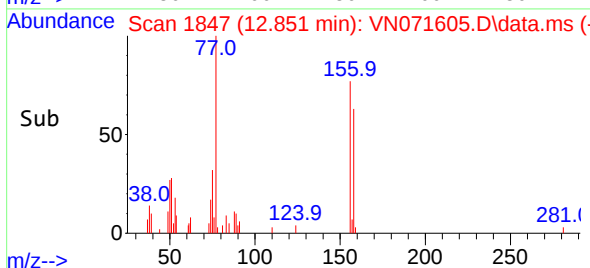
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

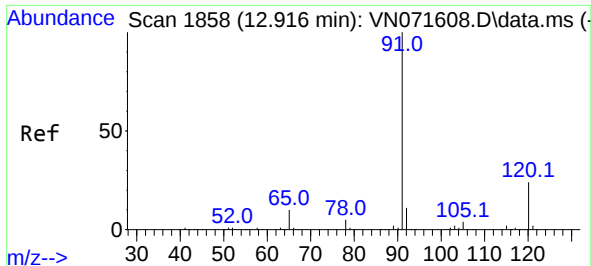


#77  
Bromobenzene  
Concen: 1.101 ug/l  
RT: 12.851 min Scan# 1847  
Delta R.T. -0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



Tgt Ion:156 Resp: 7501  
Ion Ratio Lower Upper  
156 100  
77 204.4 100.5 301.5  
158 95.0 48.9 146.6





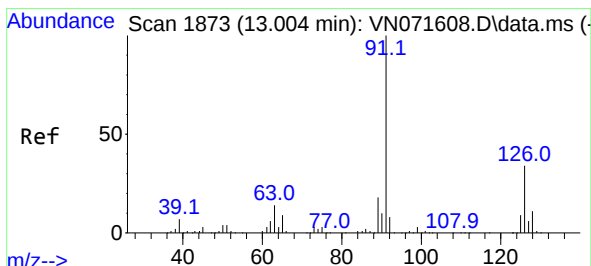
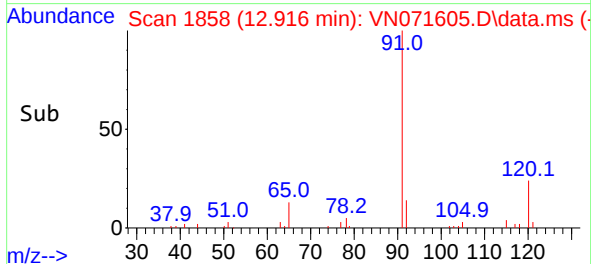
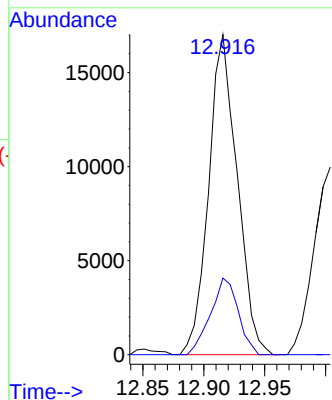
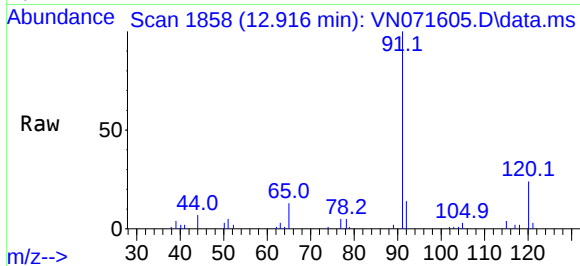
#78  
n-propylbenzene  
Concen: 0.955 ug/l  
RT: 12.916 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 91 Resp: 27709  
Ion Ratio Lower Upper  
91 100  
120 23.2 11.9 35.5

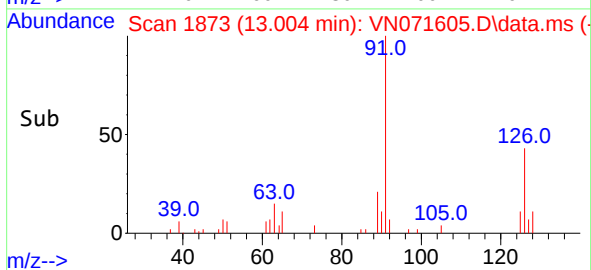
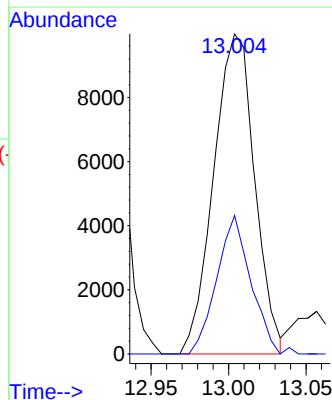
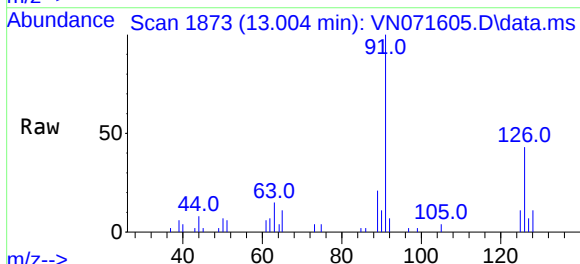
Manual Integrations  
APPROVED

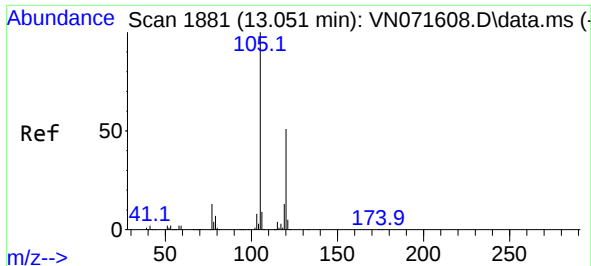
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#79  
2-Chlorotoluene  
Concen: 0.982 ug/l  
RT: 13.004 min Scan# 1873  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion: 91 Resp: 18374  
Ion Ratio Lower Upper  
91 100  
126 36.1 17.3 51.9





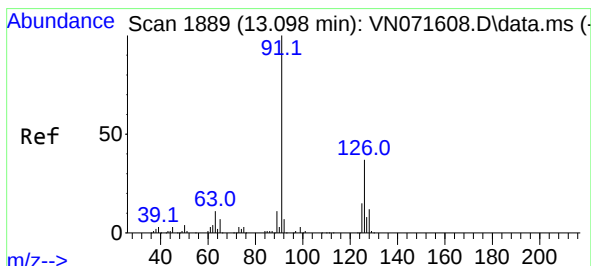
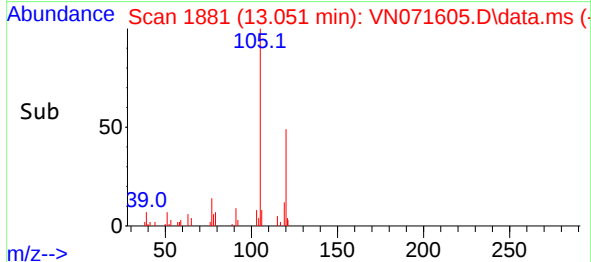
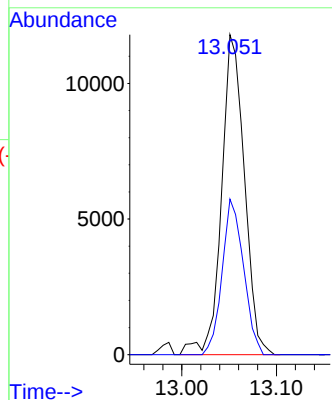
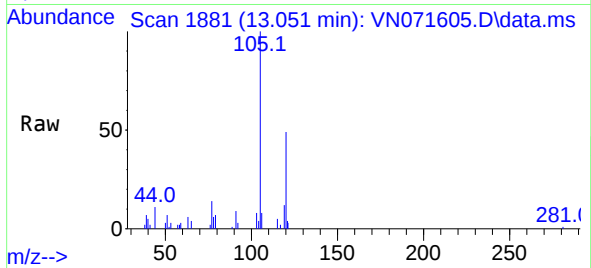
#80  
1,3,5-Trimethylbenzene  
Concen: 0.920 ug/l  
RT: 13.051 min Scan# 1881  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion:105 Resp: 1981  
Ion Ratio Lower Upper  
105 100  
120 45.4 24.9 74.7

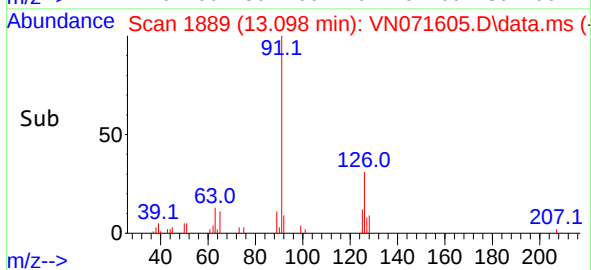
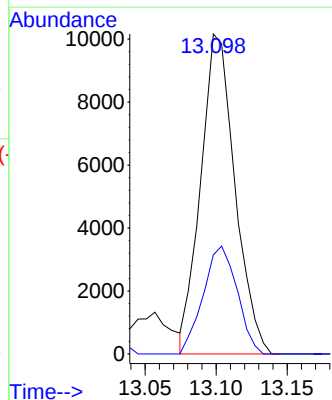
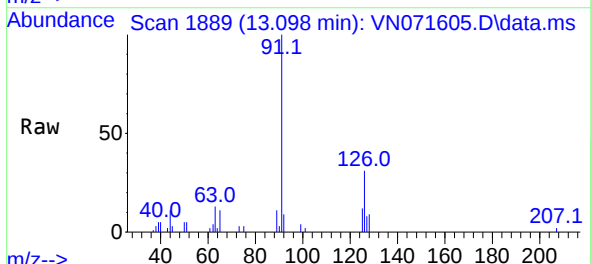
Manual Integrations  
APPROVED

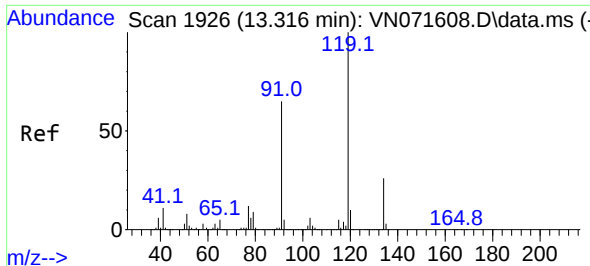
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#82  
4-Chlorotoluene  
Concen: 0.988 ug/l  
RT: 13.098 min Scan# 1889  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion: 91 Resp: 17037  
Ion Ratio Lower Upper  
91 100  
126 33.4 17.2 51.6





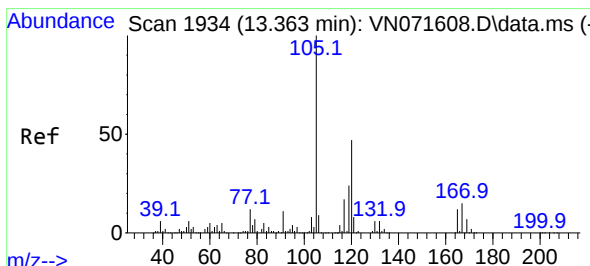
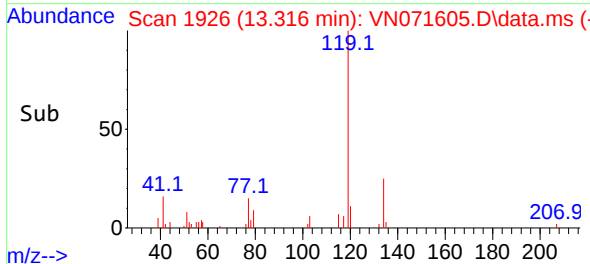
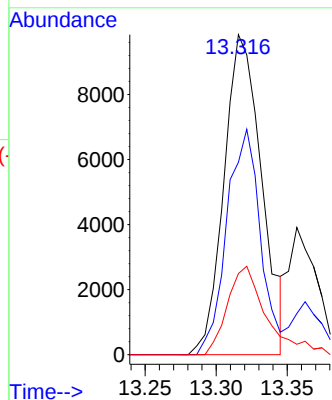
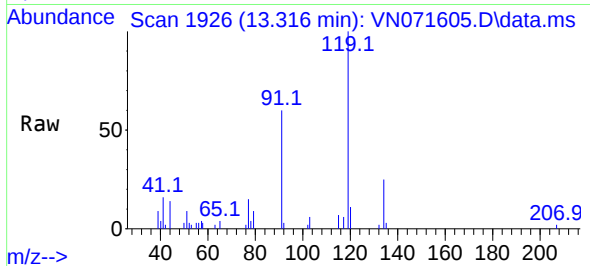
#83  
tert-Butylbenzene  
Concen: 0.932 ug/l  
RT: 13.316 min Scan# 1926  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:119 Resp: 1817  
Ion Ratio Lower Upper  
119 100  
91 62.7 31.6 94.8  
134 28.6 13.7 41.1

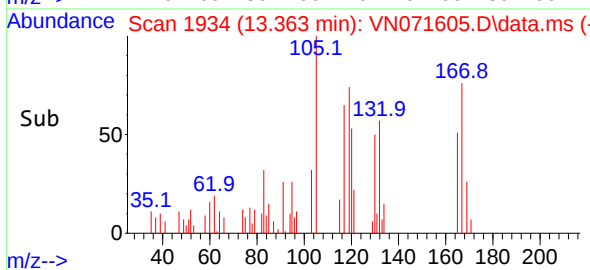
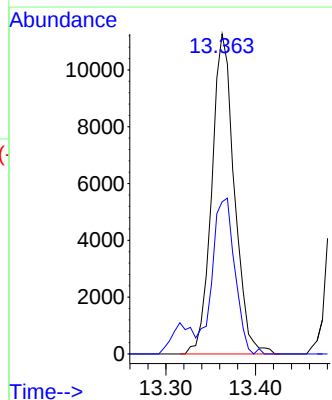
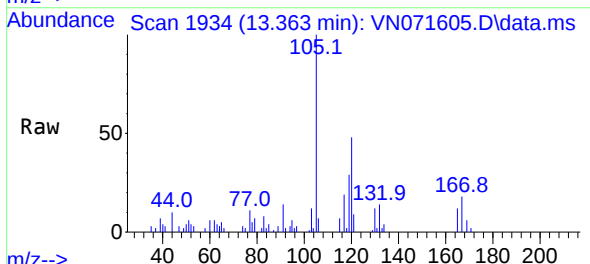
Manual Integrations  
APPROVED

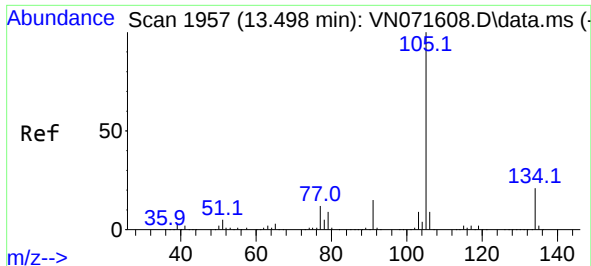
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#84  
1,2,4-Trimethylbenzene  
Concen: 0.947 ug/l  
RT: 13.363 min Scan# 1934  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

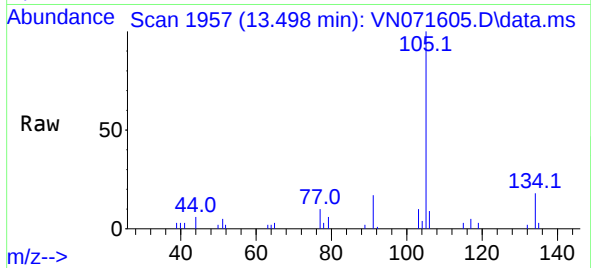
Tgt Ion:105 Resp: 19688  
Ion Ratio Lower Upper  
105 100  
120 48.6 23.3 69.8





#85  
 sec-Butylbenzene  
 Concen: 0.909 ug/l  
 RT: 13.498 min Scan# 1957  
 Delta R.T. 0.000 min  
 Lab File: VN071605.D  
 Acq: 28 Mar 2022 15:10

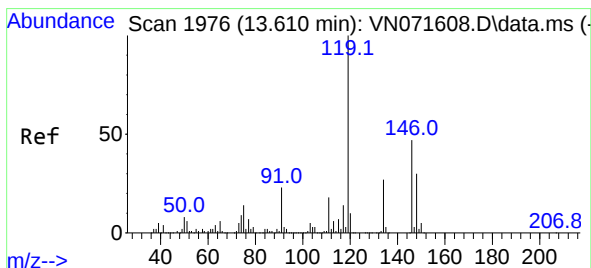
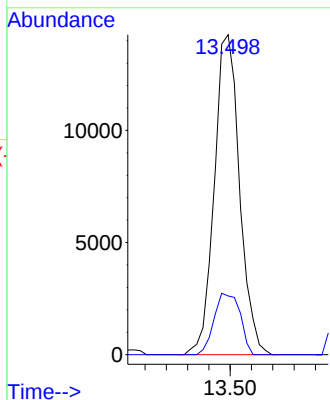
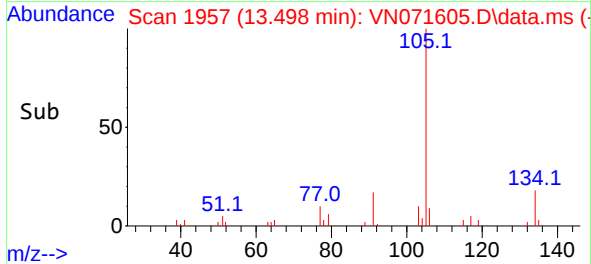
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC001



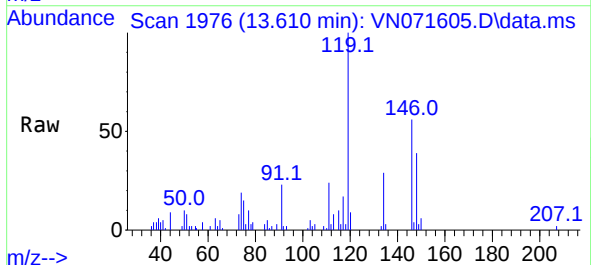
Tgt Ion:105 Resp: 2347  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 10.4 31.1

Manual Integrations  
 APPROVED

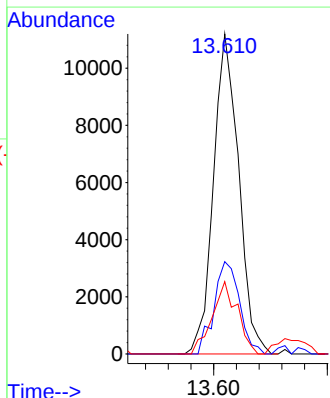
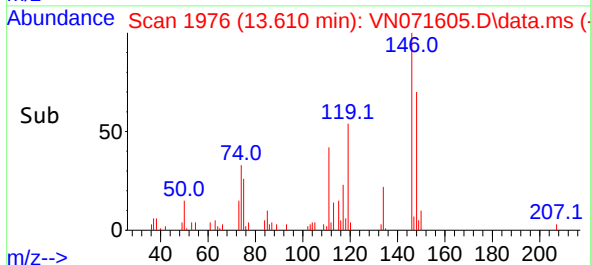
Reviewed By :John Carlone 03/29/2022  
 Supervised By :Mahesh Dadoda 03/29/2022

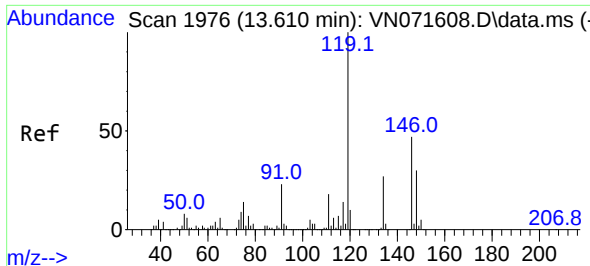


#86  
 p-Isopropyltoluene  
 Concen: 0.840 ug/l  
 RT: 13.610 min Scan# 1976  
 Delta R.T. 0.000 min  
 Lab File: VN071605.D  
 Acq: 28 Mar 2022 15:10



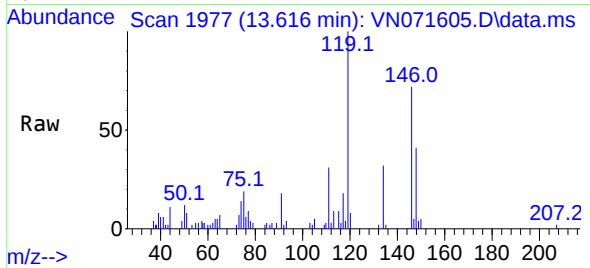
Tgt Ion:119 Resp: 17262  
 Ion Ratio Lower Upper  
 119 100  
 134 29.1 13.3 39.8  
 91 22.5 11.3 33.9





#87  
1,3-Dichlorobenzene  
Concen: 1.057 ug/l  
RT: 13.616 min Scan# 1976  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

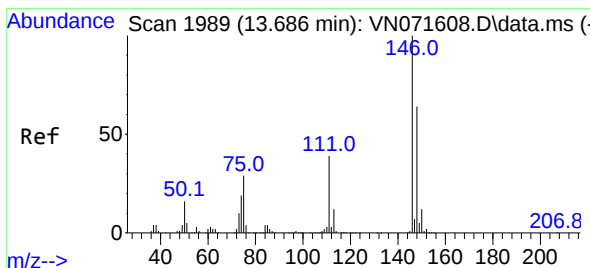
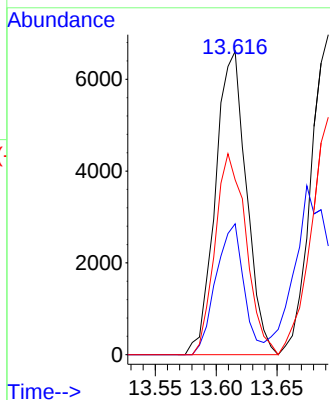
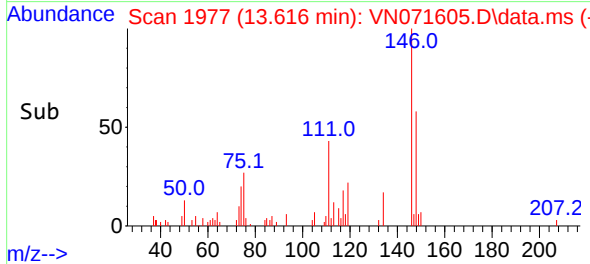
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



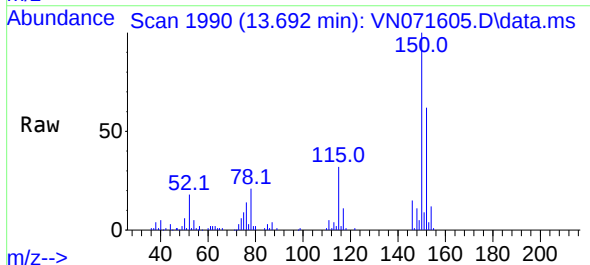
Tgt Ion:146 Resp: 1169  
Ion Ratio Lower Upper  
146 100  
111 39.3 20.0 60.0  
148 66.7 32.0 96.0

Manual Integrations  
APPROVED

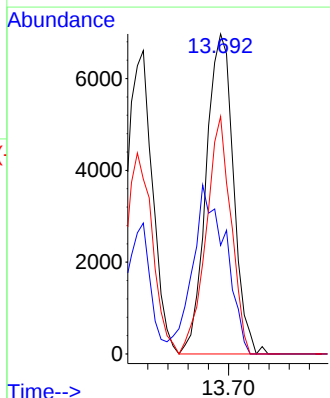
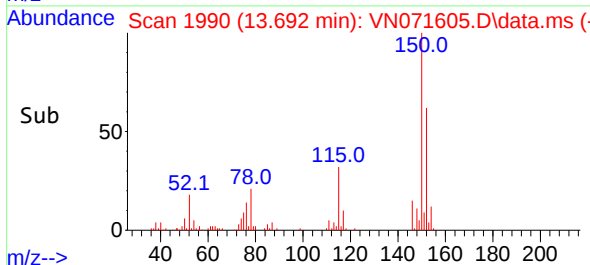
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

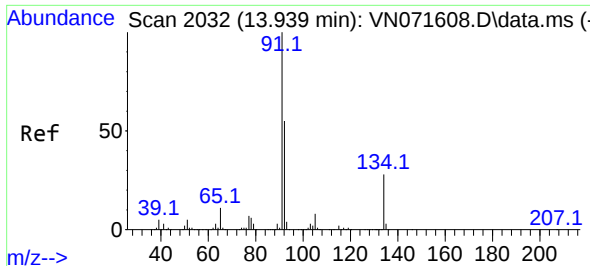


#88  
1,4-Dichlorobenzene  
Concen: 1.195 ug/l m  
RT: 13.692 min Scan# 1990  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



Tgt Ion:146 Resp: 13058  
Ion Ratio Lower Upper  
146 100  
111 35.1 19.1 57.1  
148 59.7 31.4 94.3





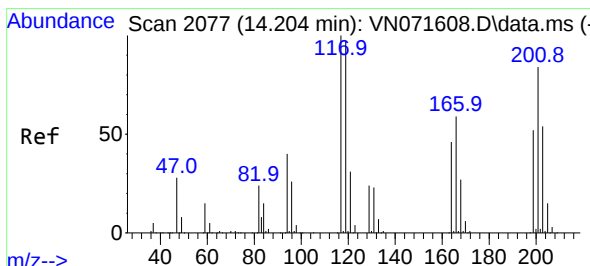
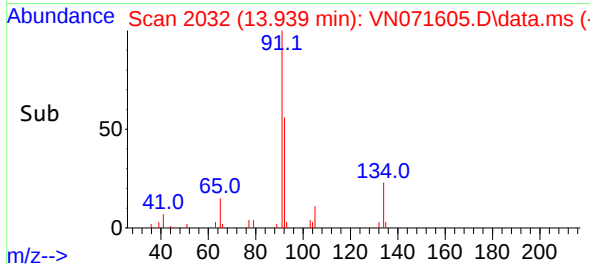
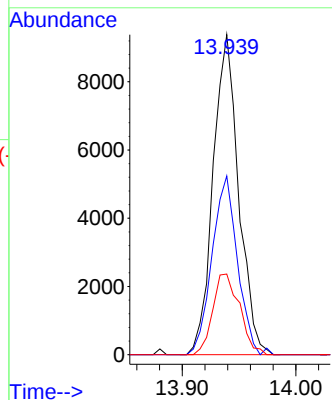
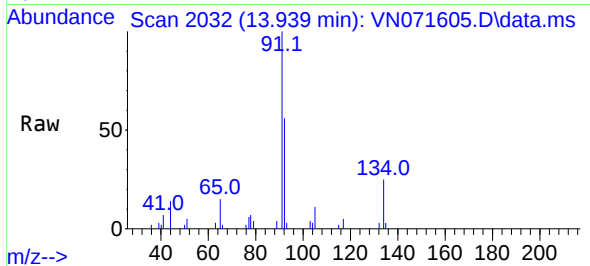
#89  
n-Butylbenzene  
Concen: 0.929 ug/l  
RT: 13.939 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 91 Resp: 14652  
Ion Ratio Lower Upper  
91 100  
92 55.7 26.9 80.7  
134 26.5 13.6 40.8

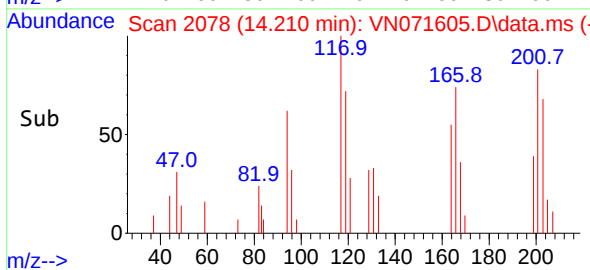
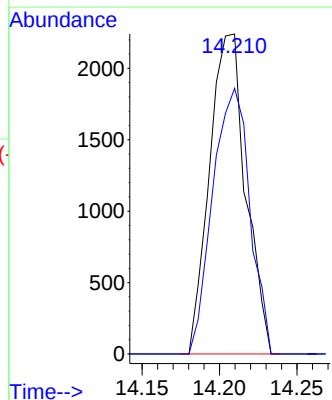
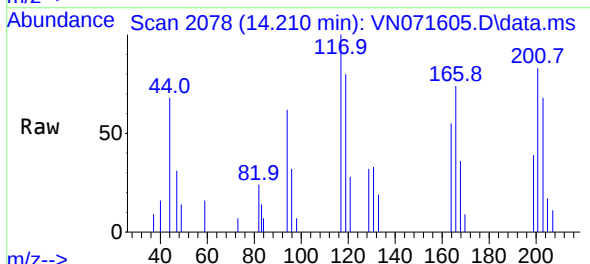
Manual Integrations  
APPROVED

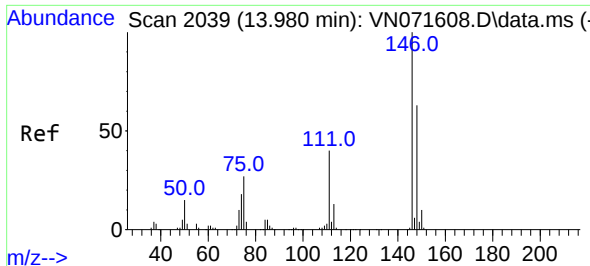
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#90  
Hexachloroethane  
Concen: 0.911 ug/l  
RT: 14.210 min Scan# 2078  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion:117 Resp: 3647  
Ion Ratio Lower Upper  
117 100  
201 84.8 40.6 122.0





#91

1,2-Dichlorobenzene

Concen: 1.161 ug/l

RT: 13.986 min Scan# 2039

Delta R.T. 0.006 min

Lab File: VN071605.D

Acq: 28 Mar 2022 15:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

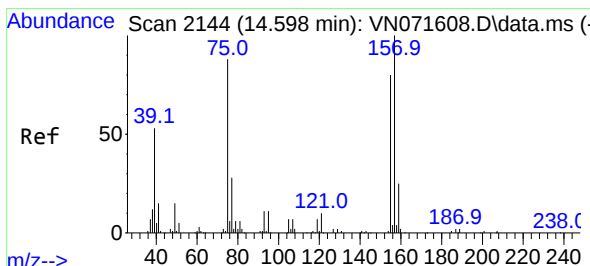
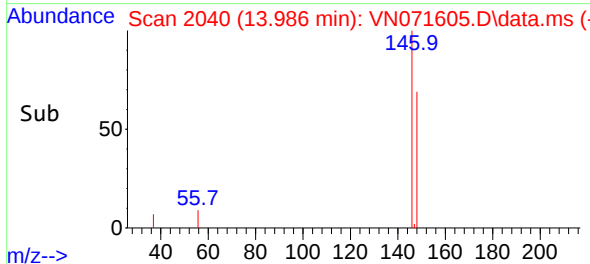
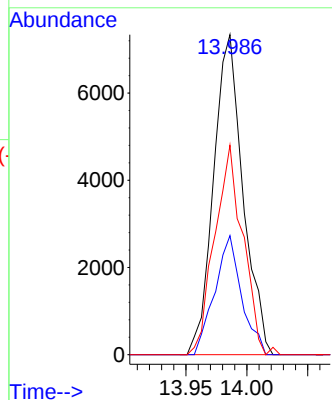
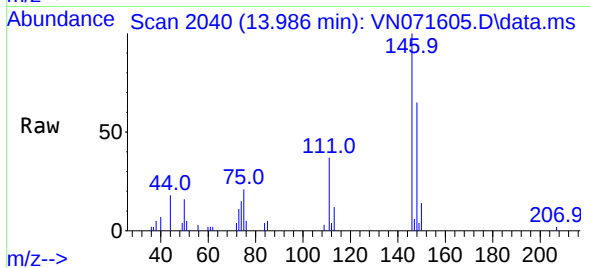
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 1234 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 34.0  | 20.9  | 62.8 |
| 148       | 62.9  | 32.1  | 96.3 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/29/2022

Supervised By :Mahesh Dadoda 03/29/2022



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.964 ug/l

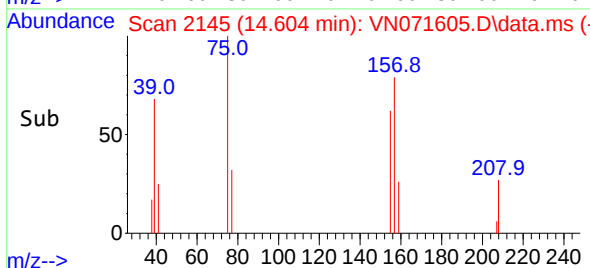
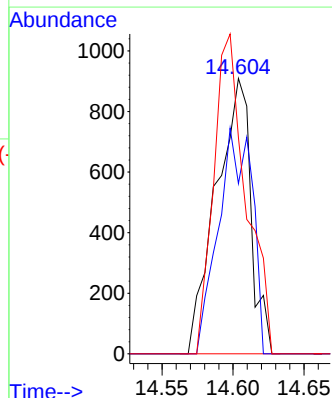
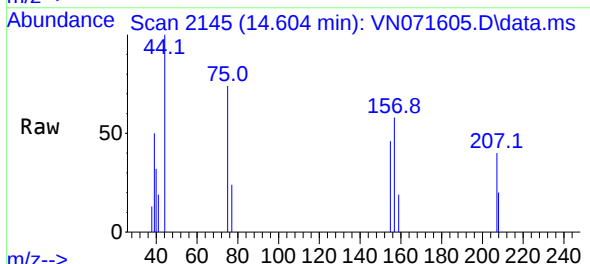
RT: 14.604 min Scan# 2145

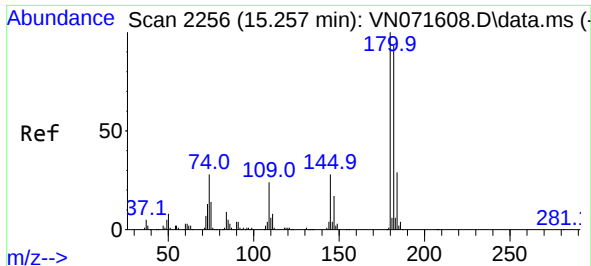
Delta R.T. 0.006 min

Lab File: VN071605.D

Acq: 28 Mar 2022 15:10

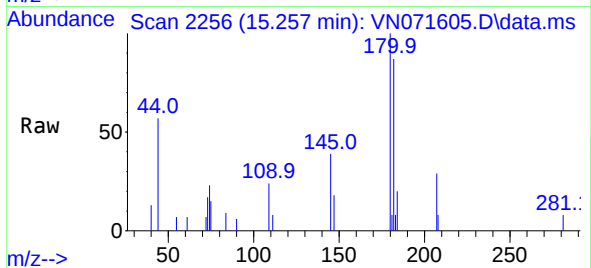
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 1549  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 79.5  | 44.9  | 134.5 |
| 157       | 107.9 | 59.0  | 176.8 |





#93  
1,2,4-Trichlorobenzene  
Concen: 0.978 ug/l  
RT: 15.257 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

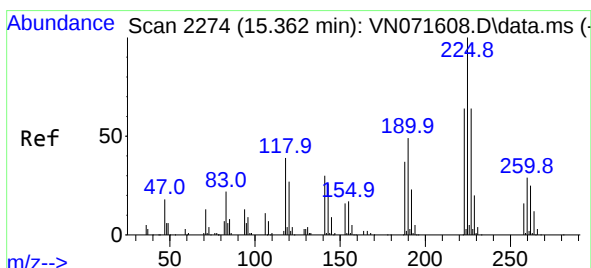
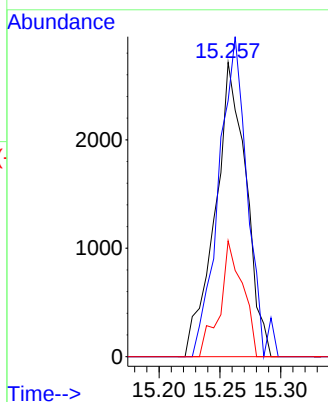
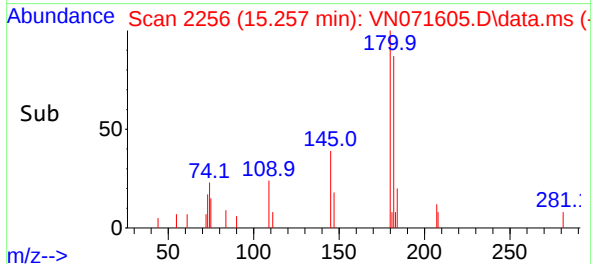
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



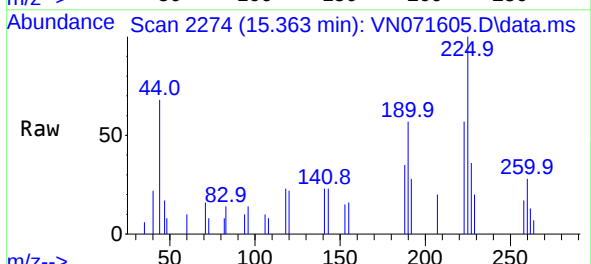
Tgt Ion:180 Resp: 482  
Ion Ratio Lower Upper  
180 100  
182 100.4 47.5 142.5  
145 28.9 14.5 43.5

Manual Integrations  
APPROVED

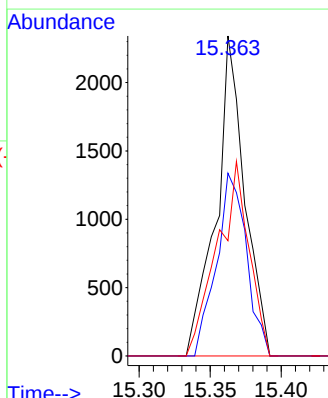
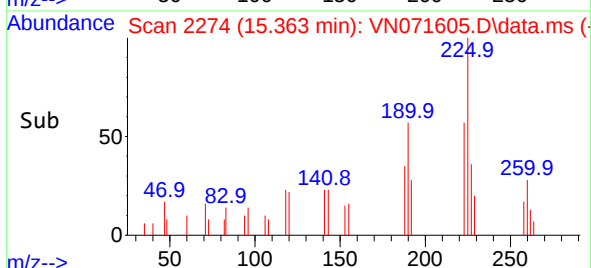
Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022

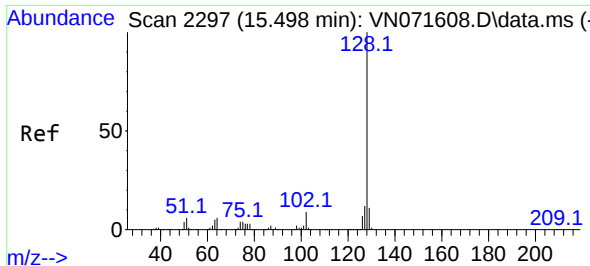


#94  
Hexachlorobutadiene  
Concen: 1.099 ug/l  
RT: 15.363 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10



Tgt Ion:225 Resp: 3284  
Ion Ratio Lower Upper  
225 100  
223 59.8 32.4 97.2  
227 67.4 31.8 95.4





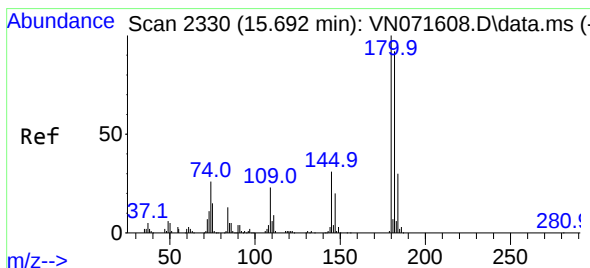
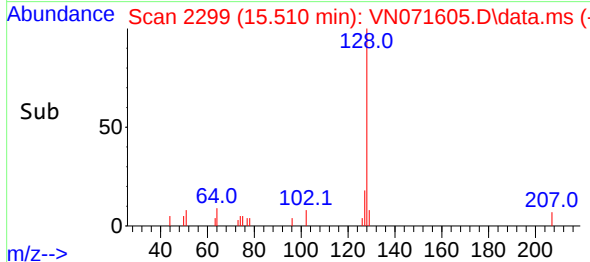
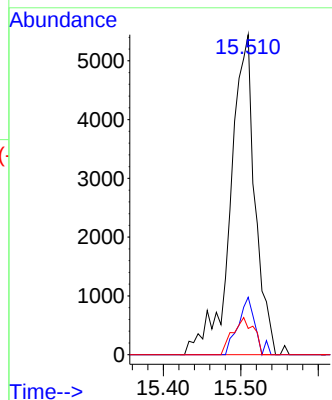
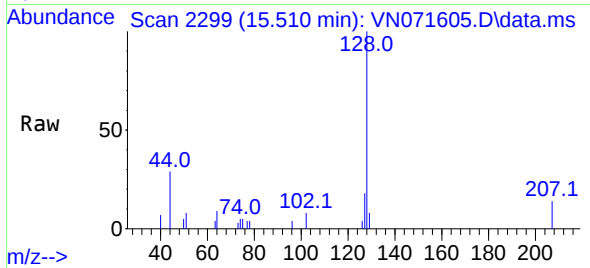
#95  
Naphthalene  
Concen: 0.890 ug/l  
RT: 15.510 min Scan# 21199  
Delta R.T. 0.012 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:128 Resp: 1199  
Ion Ratio Lower Upper  
128 100  
127 12.4 10.3 15.5  
129 10.0 8.6 13.0

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/29/2022  
Supervised By :Mahesh Dadoda 03/29/2022



#96  
1,2,3-Trichlorobenzene  
Concen: 1.068 ug/l  
RT: 15.698 min Scan# 2331  
Delta R.T. 0.006 min  
Lab File: VN071605.D  
Acq: 28 Mar 2022 15:10

Tgt Ion:180 Resp: 5199  
Ion Ratio Lower Upper  
180 100  
182 86.1 47.8 143.3  
145 28.4 15.5 46.5

