

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081022\  
 Data File : VU050211.D  
 Acq On : 10 Aug 2022 10:37  
 Operator : SY/MD  
 Sample : VSTDIC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Quant Time: Aug 10 11:04:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U081022DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Aug 10 09:58:18 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/11/2022  
 Supervised By : Mahesh Dadoda 08/11/2022

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.115  | 96   | 29372    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.632 | 95   | 9967     | 0.926  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 93.000%  |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.192 | 152  | 10410    | 1.051  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 105.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.382  | 85   | 49214    | 4.375  | ug/l     | 98       |
| 3) Chloromethane             | 1.517  | 50   | 61104    | 5.311  | ug/l     | 100      |
| 4) Vinyl Chloride            | 1.600  | 62   | 57777    | 5.508  | ug/l     | 100      |
| 5) Bromomethane              | 1.854  | 94   | 16524    | 3.020  | ug/l     | 100      |
| 6) Chloroethane              | 1.932  | 64   | 34040    | 5.794  | ug/l     | 98       |
| 7) Trichlorofluoromethane    | 2.134  | 101  | 62267    | 4.953  | ug/l     | 97       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101  | 32801    | 4.965  | ug/l     | 98       |
| 9) 1,1-Dichloroethene        | 2.575  | 96   | 37389    | 5.614  | ug/l     | 94       |
| 10) Iodomethane              | 2.716  | 142  | 32003    | 3.788  | ug/l     | 93       |
| 11) Allyl Chloride           | 2.922  | 41   | 53451    | 4.707  | ug/l     | 98       |
| 12) Acrylonitrile            | 3.330  | 53   | 22247    | 12.495 | ug/l     | 96       |
| 13) Acetone                  | 2.658  | 43   | 38921    | 27.703 | ug/l     | 89       |
| 14) Carbon Disulfide         | 2.790  | 76   | 135700   | 6.189  | ug/l     | 100      |
| 15) Methylene Chloride       | 3.041  | 84   | 50283    | 6.029  | ug/l     | 92       |
| 16) trans-1,2-Dichloroethene | 3.350  | 96   | 42758    | 6.114  | ug/l     | 91       |
| 17) 1,1-Dichloroethane       | 3.867  | 63   | 79893    | 5.524  | ug/l     | 99       |
| 18) 2-Butanone               | 4.723  | 43   | 64768    | 27.046 | ug/l     | 99       |
| 19) Cyclohexane              | 5.388  | 56   | 53729m   | 3.887  | ug/l     |          |
| 20) Methylcyclohexane        | 6.764  | 83   | 51856    | 3.806  | ug/l     | 99       |
| 21) 2,2-Dichloropropane      | 4.665  | 77   | 56791    | 4.799  | ug/l     | 100      |
| 22) cis-1,2-Dichloroethene   | 4.668  | 96   | 47923    | 5.556  | ug/l     | 97       |
| 23) Diethyl Ether            | 2.375  | 59   | 34275    | 6.041  | ug/l     | 98       |
| 24) tert-Butyl Alcohol       | 3.266  | 59   | 30096m   | 46.496 | ug/l     |          |
| 25) Methyl tert-Butyl Ether  | 3.366  | 73   | 98472    | 5.288  | ug/l     | 94       |
| 26) Bromochloromethane       | 4.977  | 128  | 22536    | 6.206  | ug/l     | 94       |
| 27) Chloroform               | 5.089  | 83   | 81950    | 5.758  | ug/l     | 97       |
| 28) 1,1,1-Trichloroethane    | 5.314  | 97   | 64718    | 5.157  | ug/l     | 100      |
| 29) 1,1-Dichloropropene      | 5.526  | 75   | 55151    | 4.921  | ug/l     | 99       |
| 30) Carbon Tetrachloride     | 5.523  | 117  | 54022    | 5.112  | ug/l     | 98       |
| 31) Isopropyl Ether          | 3.993  | 45   | 110651   | 4.461  | ug/l     | 92       |
| 32) Ethyl-t-butyl ether      | 4.504  | 59   | 103561   | 4.412  | ug/l     | 97       |
| 33) Tert-Amyl methyl ether   | 5.941  | 73   | 93566    | 4.584  | ug/l     | 99       |
| 34) Propionitrile            | 4.803  | 54   | 21748    | 31.671 | ug/l #   | 83       |
| 35) Benzene                  | 5.774  | 78   | 181989   | 5.698  | ug/l     | 98       |
| 36) 1,2-Dichloroethane       | 5.793  | 62   | 51705    | 5.694  | ug/l     | 98       |
| 37) Trichloroethene          | 6.542  | 130  | 42676    | 5.287  | ug/l     | 98       |
| 38) 1,2-Dichloropropane      | 6.793  | 63   | 48918    | 5.785  | ug/l     | 99       |
| 39) Methacrylonitrile        | 4.977  | 41   | 14174    | 4.818  | ug/l #   | 93       |
| 40) Methyl acrylate          | 4.851  | 55   | 25106    | 5.449  | ug/l #   | 98       |
| 41) Tetrahydrofuran          | 5.070  | 42   | 16776    | 9.646  | ug/l     | 100      |
| 42) 1-Chlorobutane           | 5.459  | 56   | 76592    | 4.873  | ug/l     | 95       |
| 43) Dibromomethane           | 6.919  | 93   | 25872    | 6.141  | ug/l     | 97       |
| 44) Bromodichloromethane     | 7.105  | 83   | 60181    | 5.960  | ug/l     | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081022\  
 Data File : VU050211.D  
 Acq On : 10 Aug 2022 10:37  
 Operator : SY/MD  
 Sample : VSTDIC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

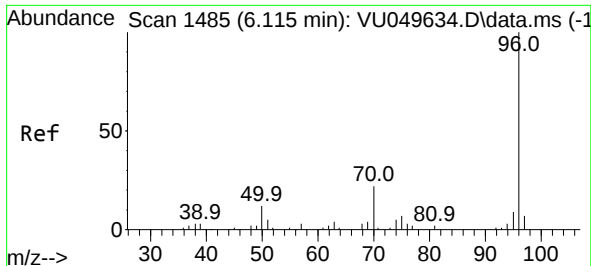
Reviewed By : John Carlone 08/11/2022  
 Supervised By : Mahesh Dadoda 08/11/2022

Quant Time: Aug 10 11:04:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U081022DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Aug 10 09:58:18 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.793  | 43   | 143819   | 25.152 | ug/l  | 97       |
| 46) t-1,4-Dichloro-2-butene   | 10.832 | 75   | 23069m   | 12.398 | ug/l  |          |
| 47) Methyl methacrylate       | 6.964  | 69   | 46350    | 10.911 | ug/l  | 92       |
| 48) Ethyl methacrylate        | 8.333  | 69   | 41928    | 4.920  | ug/l  | 90       |
| 49) Toluene                   | 7.970  | 92   | 106136   | 5.442  | ug/l  | 98       |
| 50) t-1,3-Dichloropropene     | 8.211  | 75   | 52863    | 5.420  | ug/l  | 96       |
| 51) cis-1,3-Dichloropropene   | 7.607  | 75   | 62216    | 5.383  | ug/l  | 93       |
| 52) 1,1,2-Trichloroethane     | 8.401  | 97   | 36578    | 6.291  | ug/l  | 99       |
| 53) 1,3-Dichloropropane       | 8.574  | 76   | 61054    | 5.850  | ug/l  | 99       |
| 54) 2-Hexanone                | 8.687  | 43   | 100072   | 25.200 | ug/l  | 99       |
| 55) Dibromochloromethane      | 8.809  | 129  | 40108    | 6.039  | ug/l  | 98       |
| 56) 1,2-Dibromoethane         | 8.925  | 107  | 33795    | 6.002  | ug/l  | 100      |
| 58) Tetrachloroethene         | 8.552  | 164  | 35815    | 5.336  | ug/l  | 99       |
| 59) Chlorobenzene             | 9.446  | 112  | 108048   | 5.295  | ug/l  | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.533  | 131  | 42474    | 5.853  | ug/l  | 97       |
| 61) Pentachloroethane         | 11.426 | 117  | 34240    | 6.145  | ug/l  | 96       |
| 62) Hexachloroethane          | 12.475 | 117  | 26676    | 4.780  | ug/l  | 99       |
| 63) Ethyl Benzene             | 9.571  | 91   | 182978   | 4.983  | ug/l  | 99       |
| 64) m/p-Xylenes               | 9.693  | 106  | 145165   | 10.686 | ug/l  | 99       |
| 65) o-Xylene                  | 10.102 | 106  | 70151    | 5.254  | ug/l  | 98       |
| 66) Styrene                   | 10.115 | 104  | 114123   | 5.320  | ug/l  | 97       |
| 67) Bromoform                 | 10.291 | 173  | 23086    | 6.092  | ug/l  | 99       |
| 69) Isopropylbenzene          | 10.484 | 105  | 170294   | 4.775  | ug/l  | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 47814    | 6.330  | ug/l  | 98       |
| 71) 1,2,3-Trichloropropane    | 10.825 | 75   | 37342m   | 5.971  | ug/l  |          |
| 72) Bromobenzene              | 10.783 | 156  | 44527    | 5.541  | ug/l  | 98       |
| 73) n-propylbenzene           | 10.906 | 120  | 42985    | 4.777  | ug/l  | 99       |
| 74) 2-Chlorotoluene           | 10.986 | 126  | 44687    | 5.569  | ug/l  | 98       |
| 75) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 153981   | 5.165  | ug/l  | 99       |
| 76) 4-Chlorotoluene           | 11.098 | 126  | 45042    | 5.597  | ug/l  | 92       |
| 77) tert-Butylbenzene         | 11.420 | 119  | 143270   | 4.881  | ug/l  | 97       |
| 78) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 154187   | 5.152  | ug/l  | 98       |
| 79) sec-Butylbenzene          | 11.645 | 105  | 177217   | 4.603  | ug/l  | 98       |
| 80) Nitrobenzene              | 13.208 | 77   | 9010     | 29.157 | ug/l  | 98       |
| 81) p-Isopropyltoluene        | 11.793 | 119  | 140619   | 4.502  | ug/l  | 99       |
| 82) 1,3-Dichlorobenzene       | 11.745 | 146  | 86429    | 5.560  | ug/l  | 99       |
| 83) 1,4-Dichlorobenzene       | 11.835 | 146  | 84164    | 5.365  | ug/l  | 99       |
| 84) n-Butylbenzene            | 12.208 | 91   | 117441   | 4.038  | ug/l  | 97       |
| 85) 1,2-Dichlorobenzene       | 12.211 | 146  | 83351    | 5.535  | ug/l  | 98       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.996 | 75   | 7381     | 5.603  | ug/l  | 99       |
| 87) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 45885    | 4.516  | ug/l  | 97       |
| 88) Hexachlorobutadiene       | 14.021 | 225  | 26034    | 5.028  | ug/l  | 99       |
| 89) Naphthalene               | 14.086 | 128  | 90319    | 4.240  | ug/l  | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 47141    | 4.859  | ug/l  | 99       |

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





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.115 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

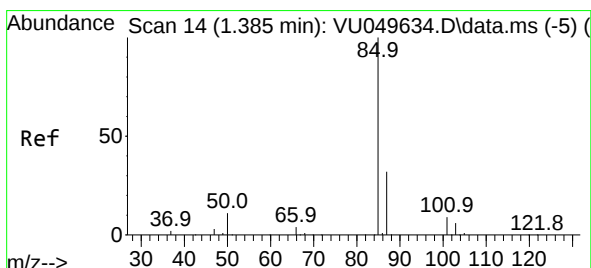
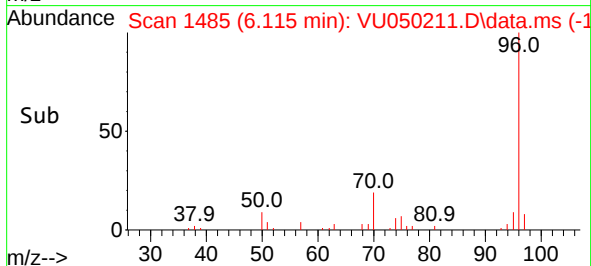
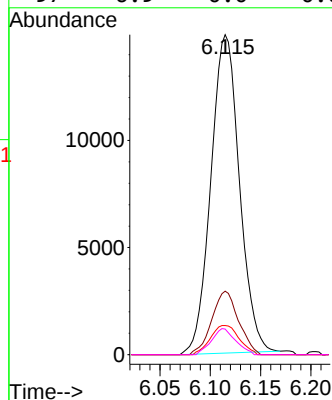
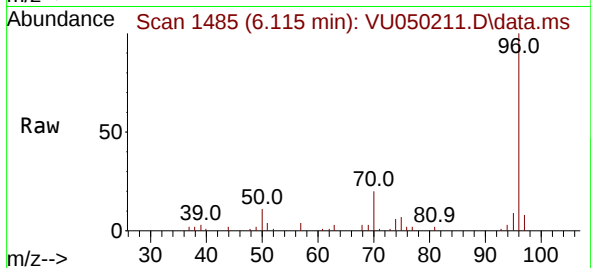
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 96 Resp: 29372

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 70  | 18.7  | 16.7  | 25.1  |
| 95  | 9.2   | 7.4   | 11.0  |
| 97  | 6.9   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

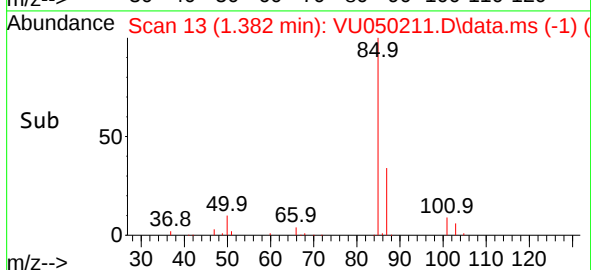
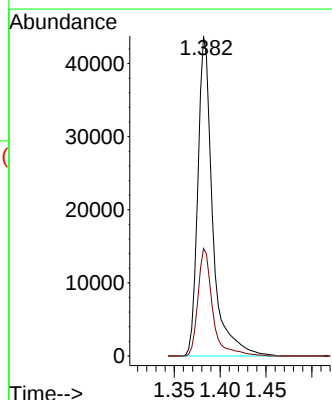
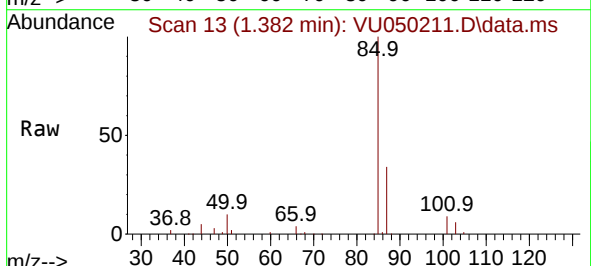
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022

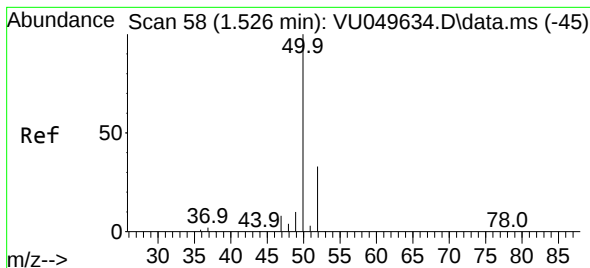


#2  
Dichlorodifluoromethane  
Concen: 4.375 ug/l  
RT: 1.382 min Scan# 13  
Delta R.T. -0.003 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Tgt Ion: 85 Resp: 49214

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 33.6  | 16.3  | 48.8  |





#3

Chloromethane

Concen: 5.311 ug/l

RT: 1.517 min Scan# 51

Delta R.T. -0.010 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 61104

Ion Ratio Lower Upper

50 100

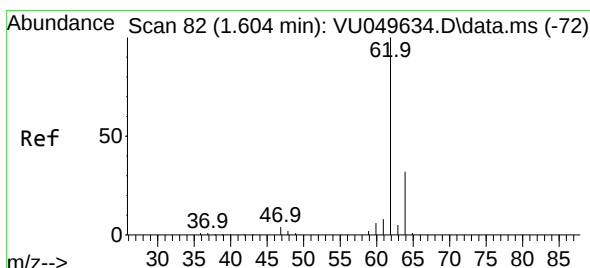
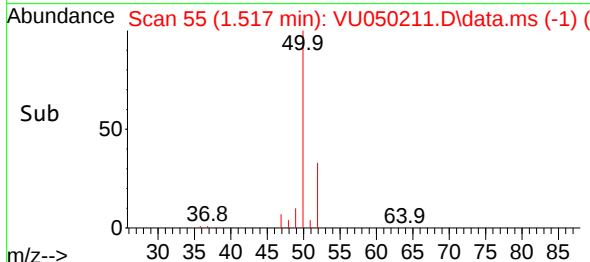
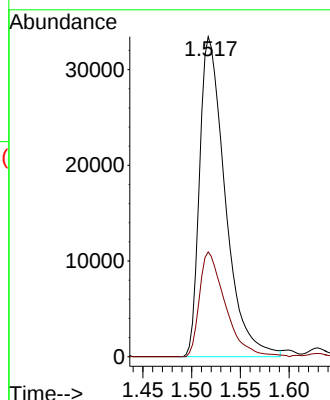
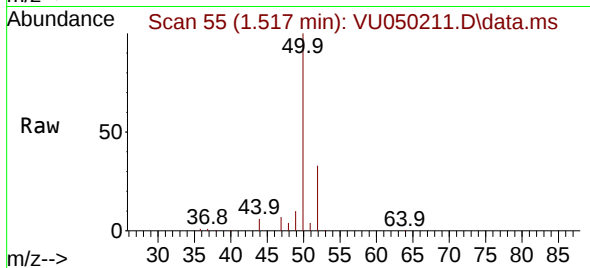
52 32.7 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/11/2022

Supervised By :Mahesh Dadoda 08/11/2022



#4

Vinyl Chloride

Concen: 5.508 ug/l

RT: 1.600 min Scan# 81

Delta R.T. -0.003 min

Lab File: VU050211.D

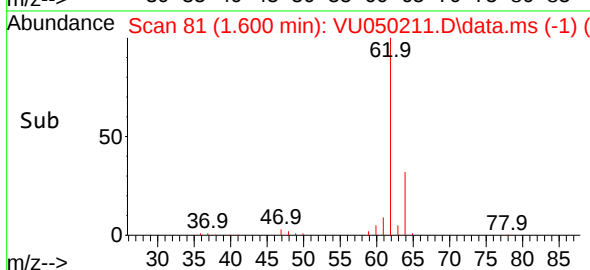
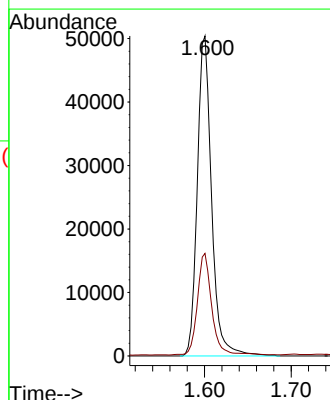
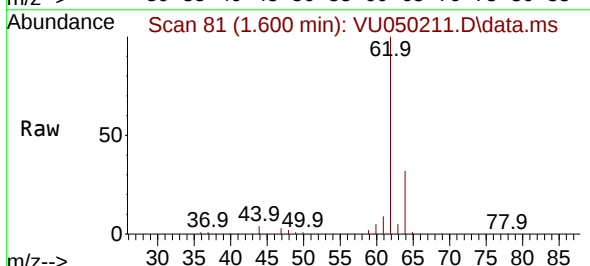
Acq: 10 Aug 2022 10:37

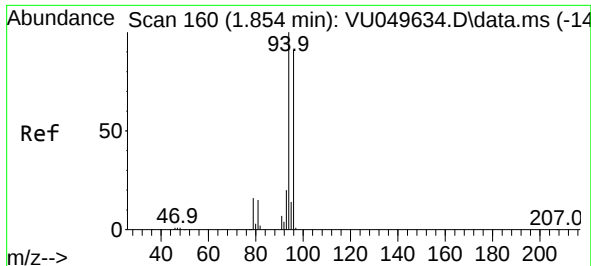
Tgt Ion: 62 Resp: 57777

Ion Ratio Lower Upper

62 100

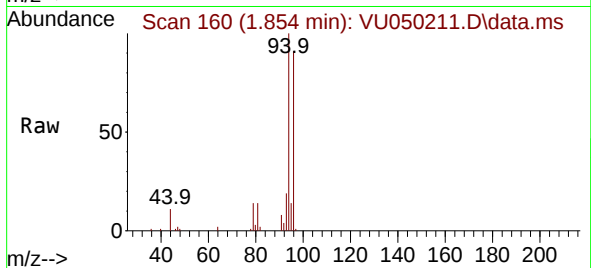
64 31.7 25.5 38.3





#5  
Bromomethane  
Concen: 3.020 ug/l  
RT: 1.854 min Scan# 160  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

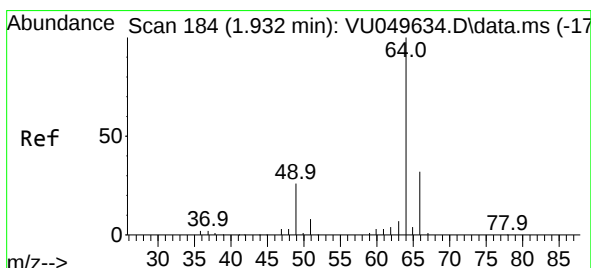
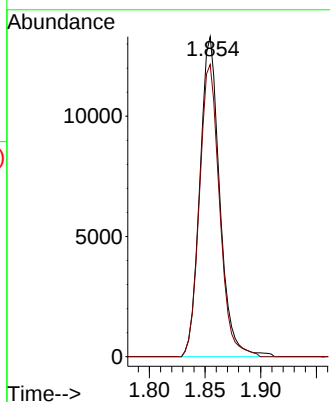
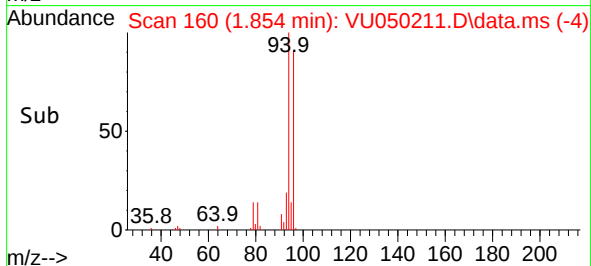
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



Tgt Ion: 94 Resp: 16524  
Ion Ratio Lower Upper  
94 100  
96 91.3 73.0 109.6

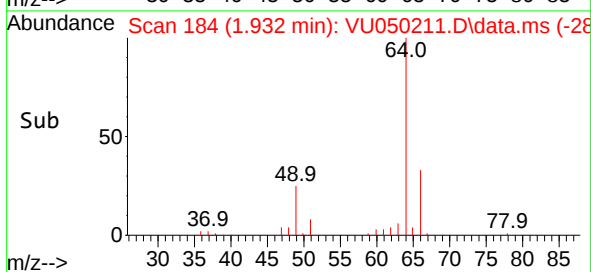
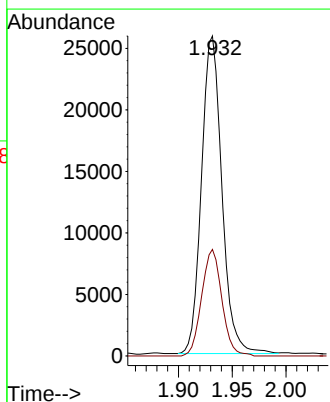
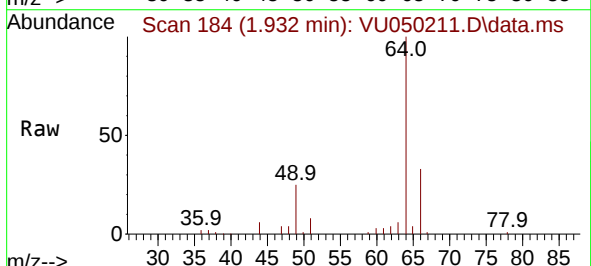
Manual Integrations  
APPROVED

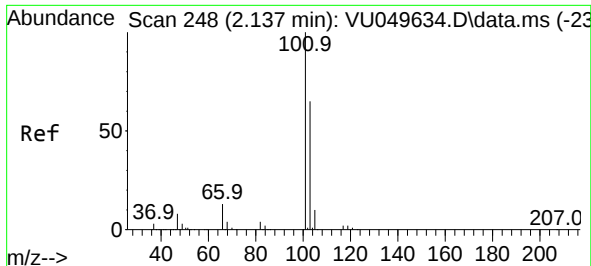
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#6  
Chloroethane  
Concen: 5.794 ug/l  
RT: 1.932 min Scan# 184  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

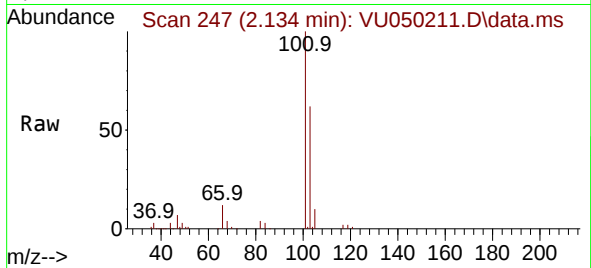
Tgt Ion: 64 Resp: 34040  
Ion Ratio Lower Upper  
64 100  
66 33.6 25.8 38.6





#7  
 Trichlorofluoromethane  
 Concen: 4.953 ug/l  
 RT: 2.134 min Scan# 248  
 Delta R.T. -0.003 min  
 Lab File: VU050211.D  
 Acq: 10 Aug 2022 10:37

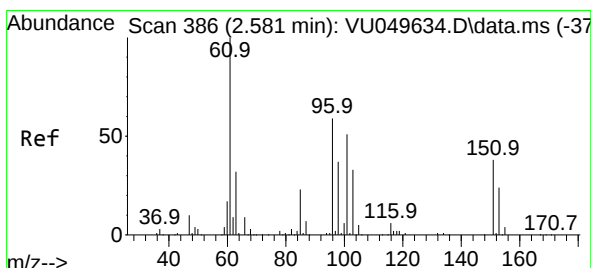
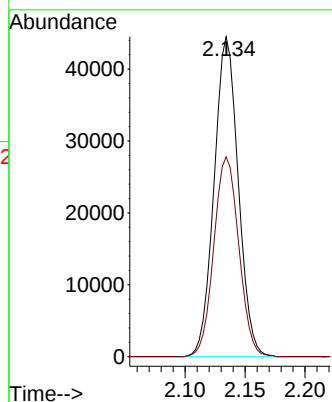
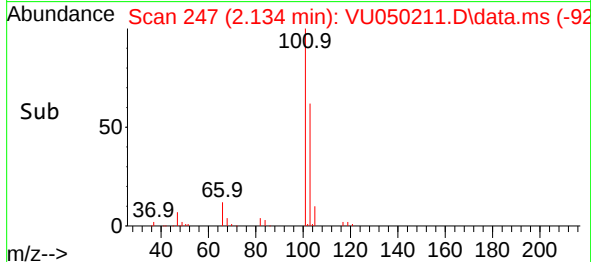
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005



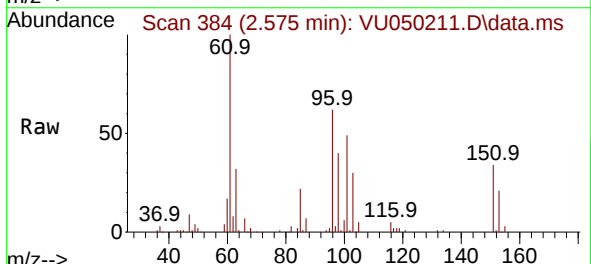
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 Ion Ratio Lower Upper  
 101 100  
 103 62.5 51.8 77.6

Manual Integrations  
 APPROVED

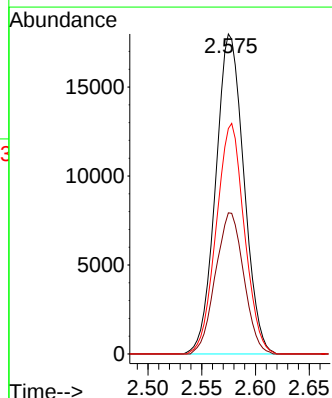
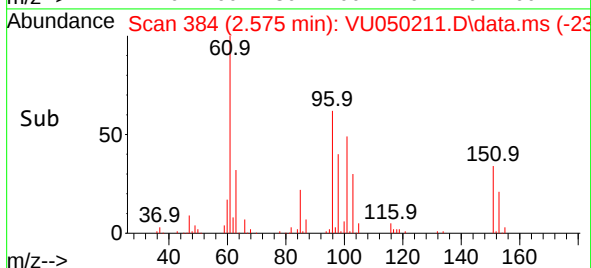
Reviewed By :John Carlone 08/11/2022  
 Supervised By :Mahesh Dadoda 08/11/2022

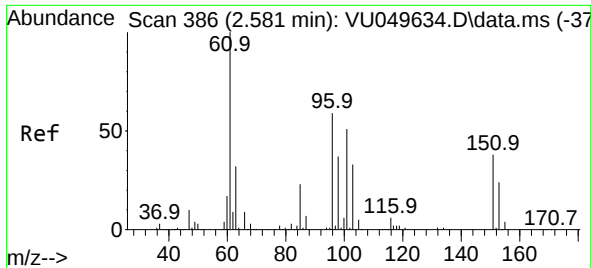


#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.965 ug/l  
 RT: 2.575 min Scan# 384  
 Delta R.T. -0.006 min  
 Lab File: VU050211.D  
 Acq: 10 Aug 2022 10:37



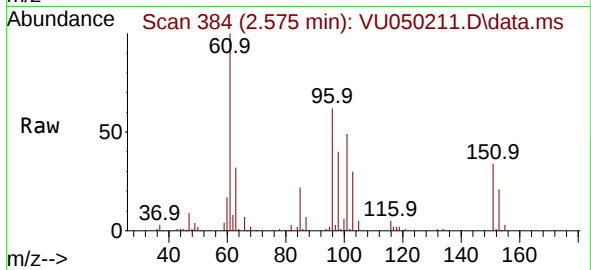
Tgt Ion:101 Resp: 32801  
 Ion Ratio Lower Upper  
 101 100  
 85 44.3 36.4 54.6  
 151 71.9 59.1 88.7





#9  
1,1-Dichloroethene  
Concen: 5.614 ug/l  
RT: 2.575 min Scan# 386  
Delta R.T. -0.006 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

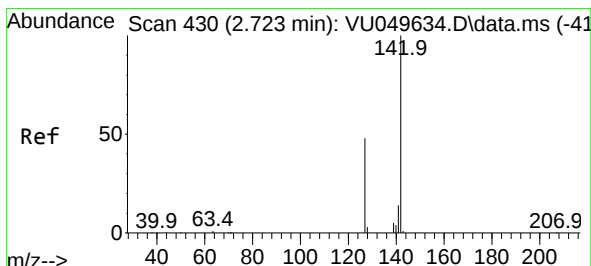
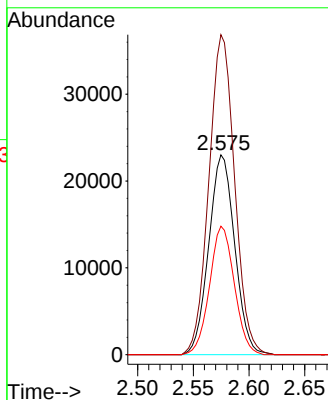
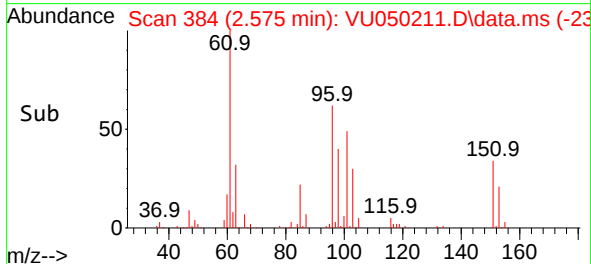
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



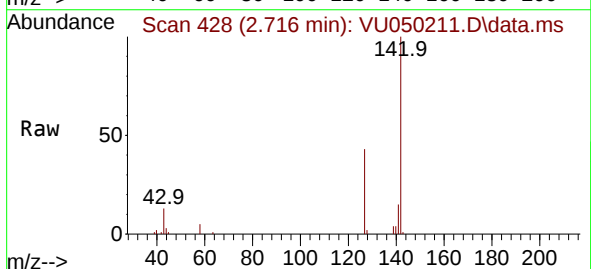
Tgt Ion: 96 Resp: 37389  
Ion Ratio Lower Upper  
96 100  
61 160.1 0.0 510.6  
98 64.3 0.0 124.6

Manual Integrations  
APPROVED

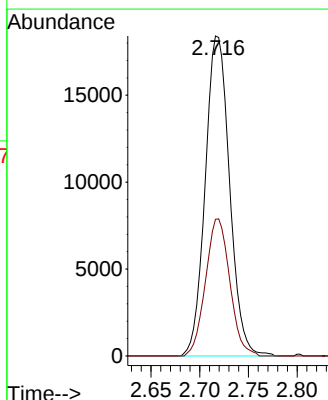
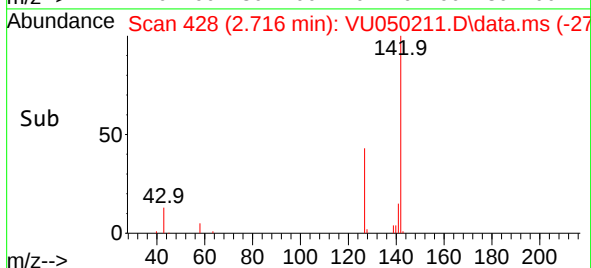
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022

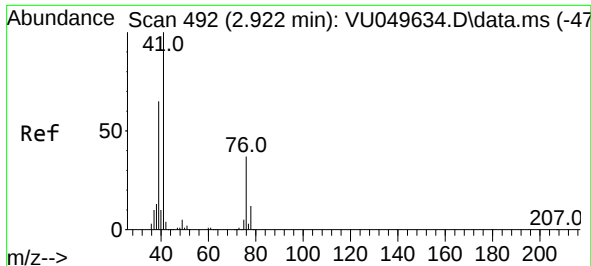


#10  
Iodomethane  
Concen: 3.788 ug/l  
RT: 2.716 min Scan# 428  
Delta R.T. -0.006 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37



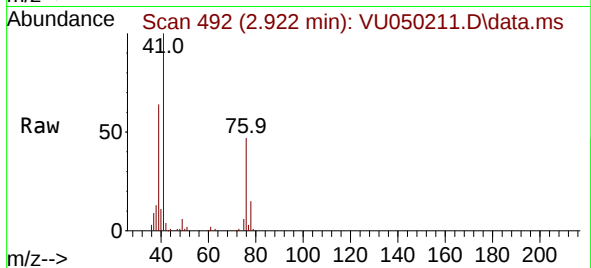
Tgt Ion:142 Resp: 32003  
Ion Ratio Lower Upper  
142 100  
127 42.7 38.2 57.2





#11  
 Allyl Chloride  
 Concen: 4.707 ug/l  
 RT: 2.922 min Scan# 492  
 Delta R.T. 0.000 min  
 Lab File: VU050211.D  
 Acq: 10 Aug 2022 10:37

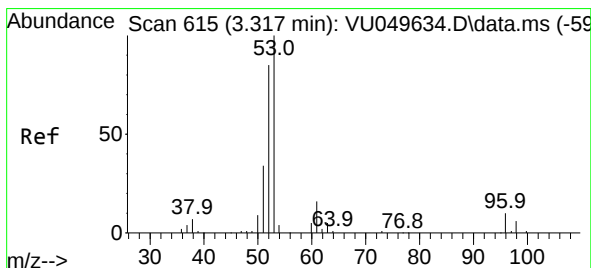
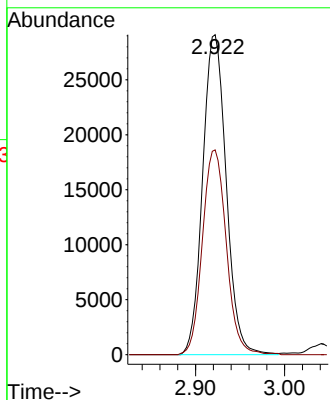
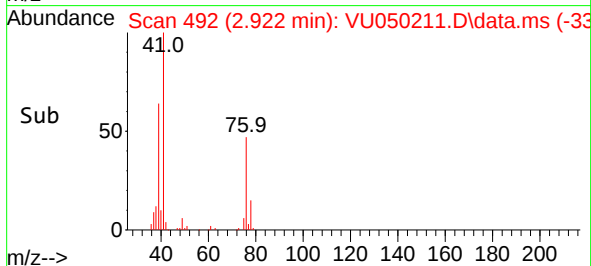
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005



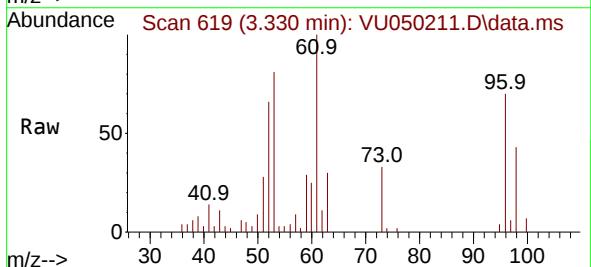
Tgt Ion: 41 Resp: 5345  
 Ion Ratio Lower Upper  
 41 100  
 39 64.7 53.2 79.8

Manual Integrations  
 APPROVED

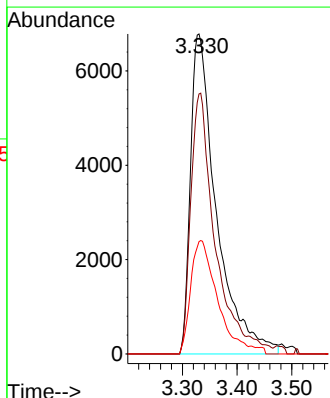
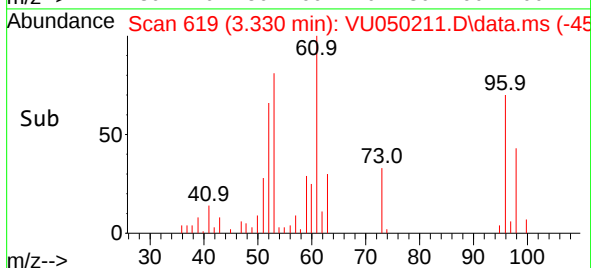
Reviewed By :John Carlone 08/11/2022  
 Supervised By :Mahesh Dadoda 08/11/2022

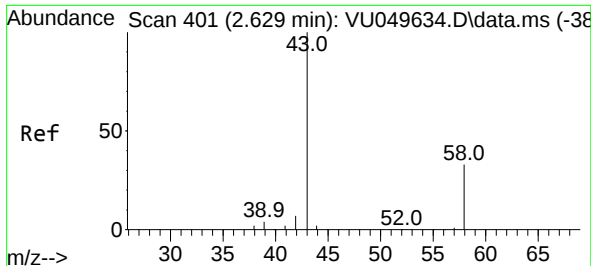


#12  
 Acrylonitrile  
 Concen: 12.495 ug/l  
 RT: 3.330 min Scan# 619  
 Delta R.T. 0.013 min  
 Lab File: VU050211.D  
 Acq: 10 Aug 2022 10:37



Tgt Ion: 53 Resp: 22247  
 Ion Ratio Lower Upper  
 53 100  
 52 76.8 64.6 97.0  
 51 36.8 30.7 46.1





#13

Acetone

Concen: 27.703 ug/l

RT: 2.658 min Scan# 410

Delta R.T. 0.029 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 3892

Ion Ratio Lower Upper

43 100

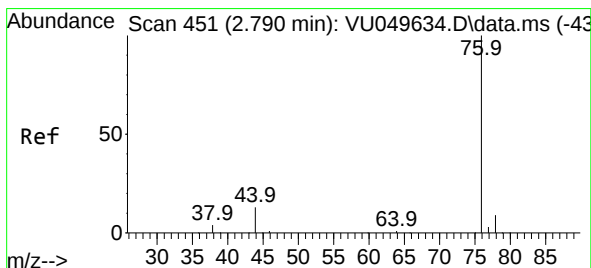
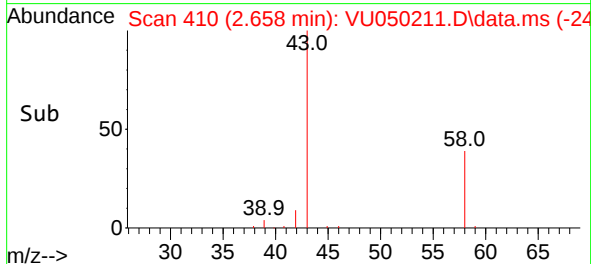
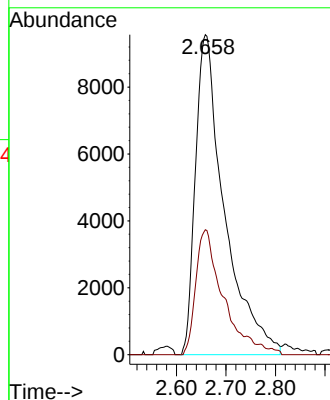
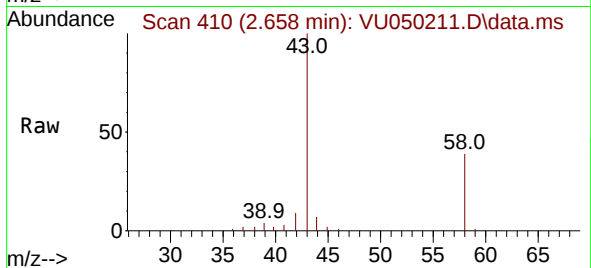
58 39.0 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/11/2022

Supervised By :Mahesh Dadoda 08/11/2022



#14

Carbon Disulfide

Concen: 6.189 ug/l

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU050211.D

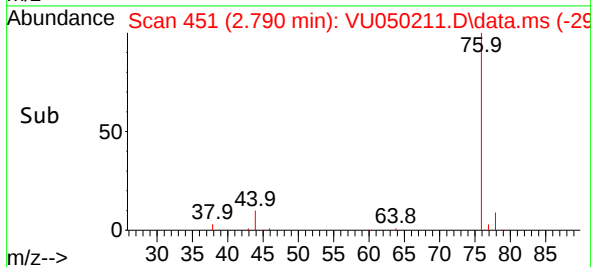
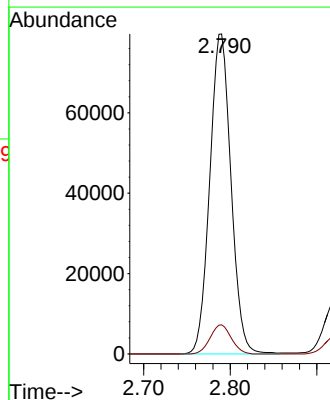
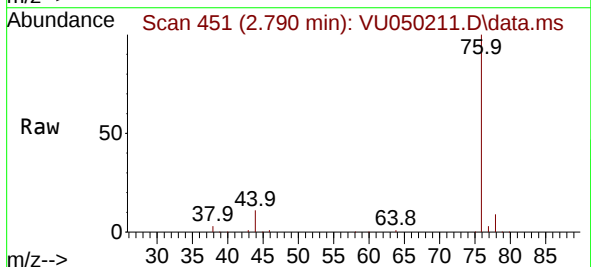
Acq: 10 Aug 2022 10:37

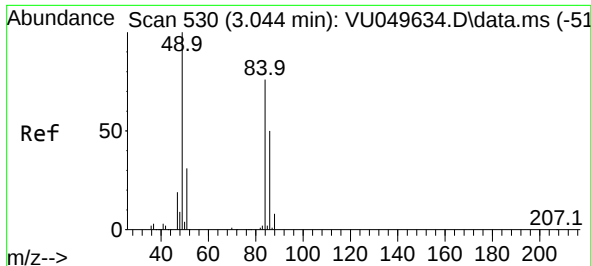
Tgt Ion: 76 Resp: 135700

Ion Ratio Lower Upper

76 100

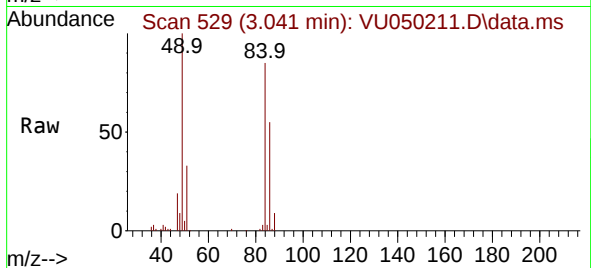
78 9.1 7.4 11.0





#15  
Methylene Chloride  
Concen: 6.029 ug/l  
RT: 3.041 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

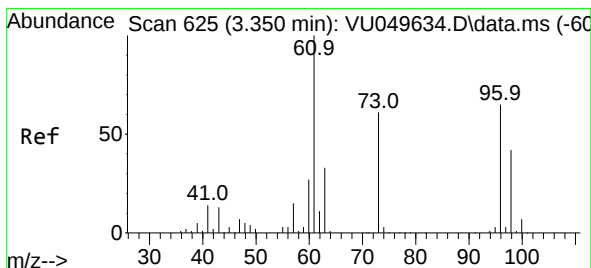
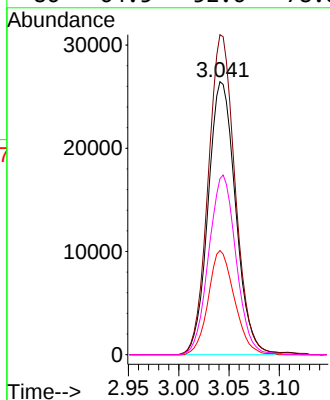
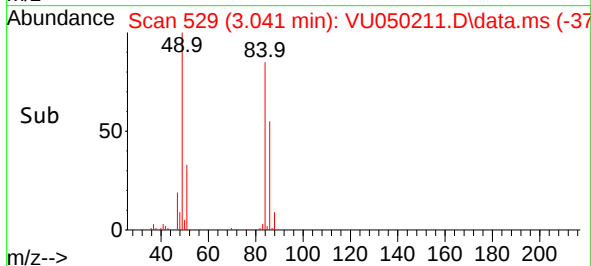
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 5028  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.2 | 104.6 | 157.0 |
| 51       | 38.2  | 0.0   | 81.4  |
| 86       | 64.5  | 52.6  | 78.8  |

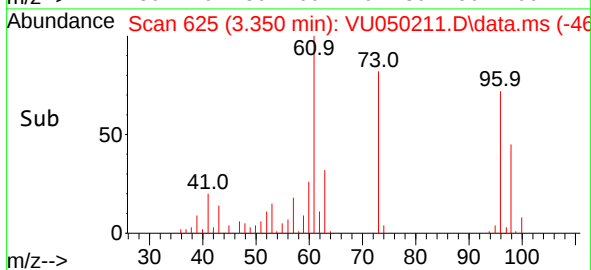
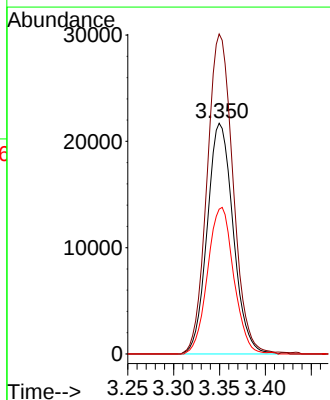
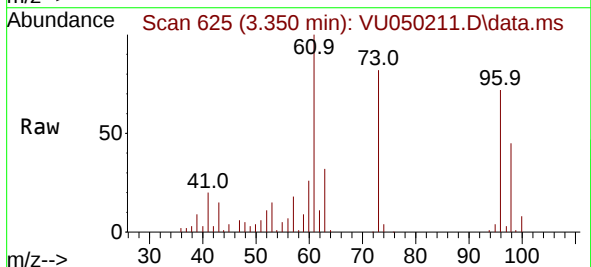
Manual Integrations  
APPROVED

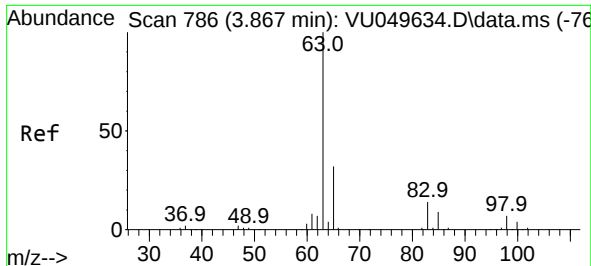
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#16  
trans-1,2-Dichloroethene  
Concen: 6.114 ug/l  
RT: 3.350 min Scan# 625  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 42758 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 138.7 | 123.4 | 185.0 |
| 98       | 62.8  | 51.6  | 77.4  |





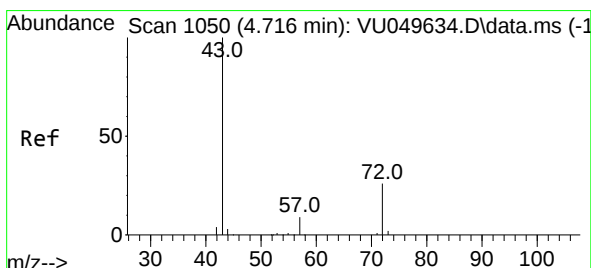
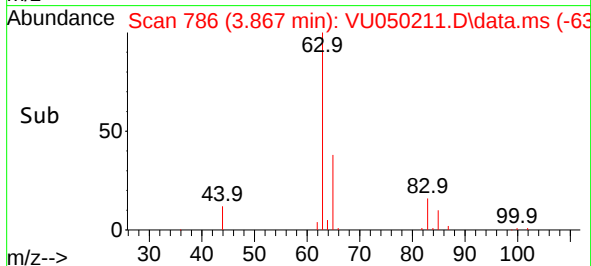
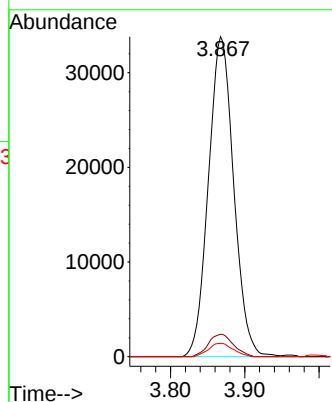
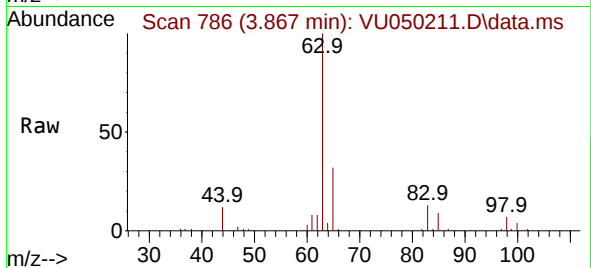
#17  
1,1-Dichloroethane  
Concen: 5.524 ug/l  
RT: 3.867 min Scan# 786  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 63 Resp: 7989  
Ion Ratio Lower Upper  
63 100  
98 7.0 3.4 10.2  
100 4.2 2.0 6.0

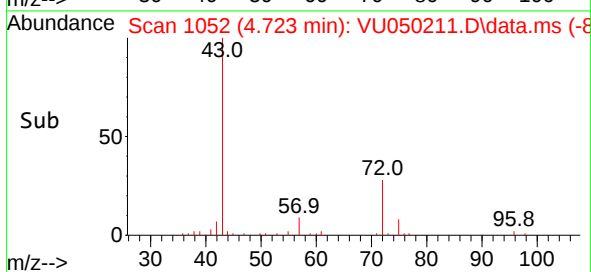
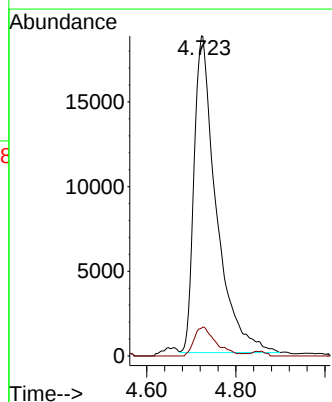
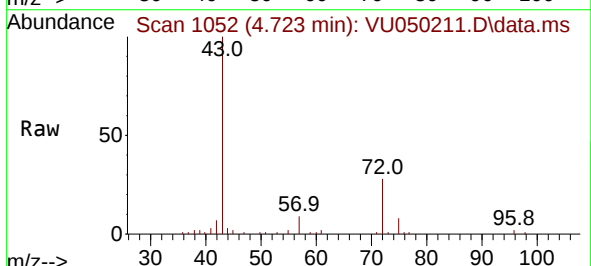
Manual Integrations  
APPROVED

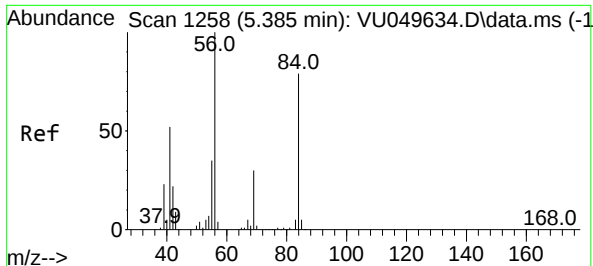
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#18  
2-Butanone  
Concen: 27.046 ug/l  
RT: 4.723 min Scan# 1052  
Delta R.T. 0.007 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Tgt Ion: 43 Resp: 64768  
Ion Ratio Lower Upper  
43 100  
57 8.8 0.0 18.0





#19

Cyclohexane

Concen: 3.887 ug/l m

RT: 5.388 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU050211.D

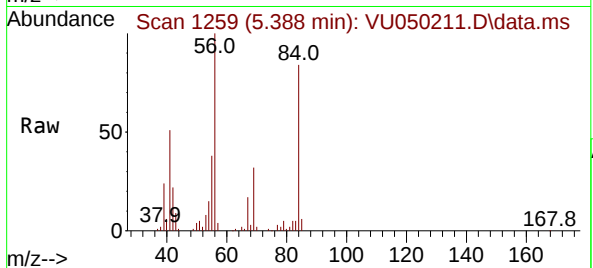
Acq: 10 Aug 2022 10:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005



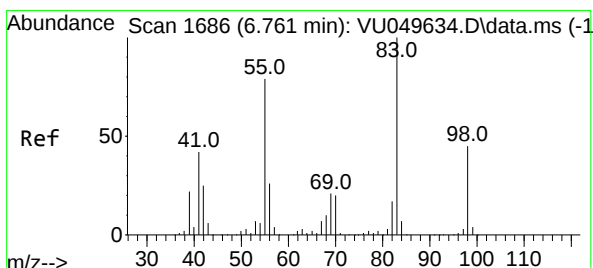
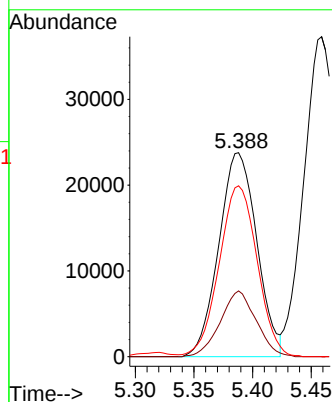
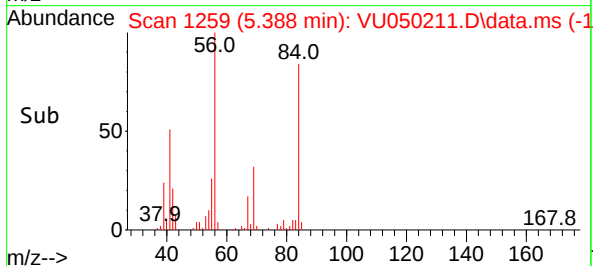
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 53729 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 30.3  | 24.2  | 36.4  |
| 84        | 82.4  | 63.4  | 95.2  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/11/2022

Supervised By :Mahesh Dadoda 08/11/2022



#20

Methylcyclohexane

Concen: 3.806 ug/l

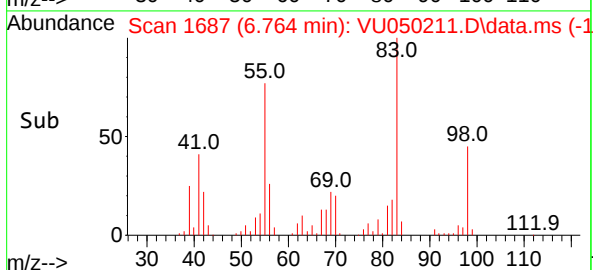
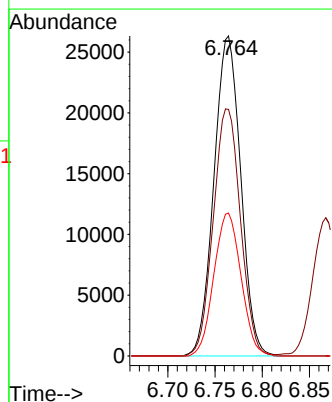
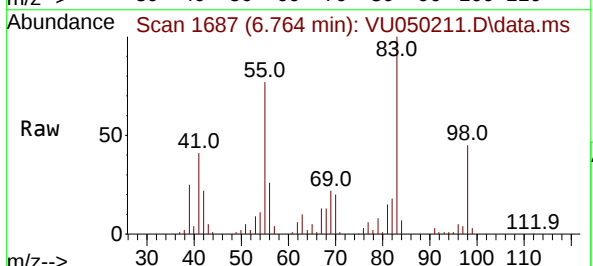
RT: 6.764 min Scan# 1687

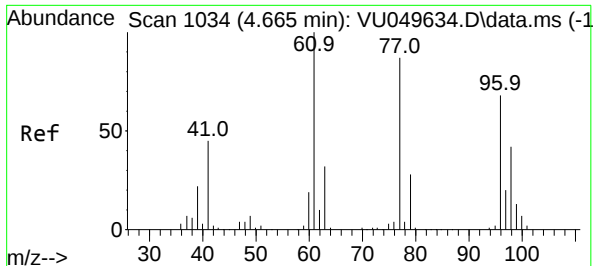
Delta R.T. 0.003 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 51856 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 77.8  | 63.0  | 94.4  |
| 98        | 45.3  | 35.7  | 53.5  |





#21

2,2-Dichloropropane

Concen: 4.799 ug/l

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 77 Resp: 5679

Ion Ratio Lower Upper

77 100

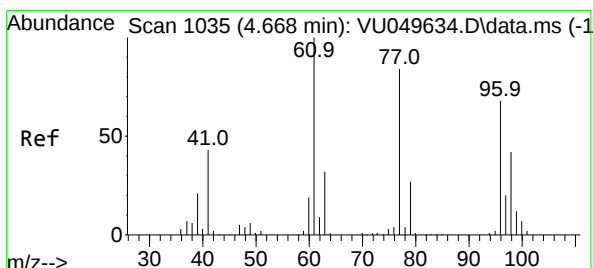
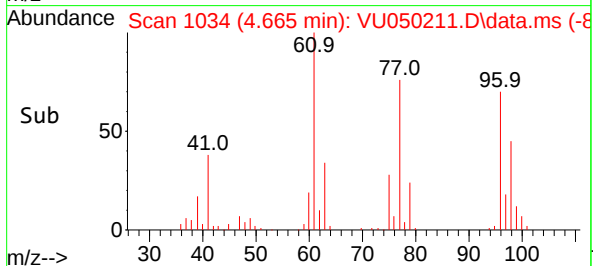
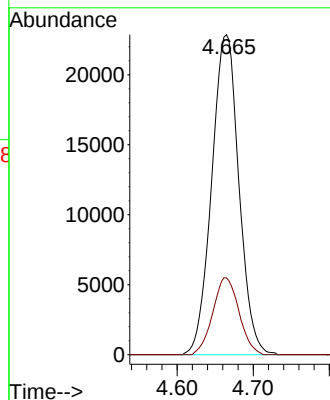
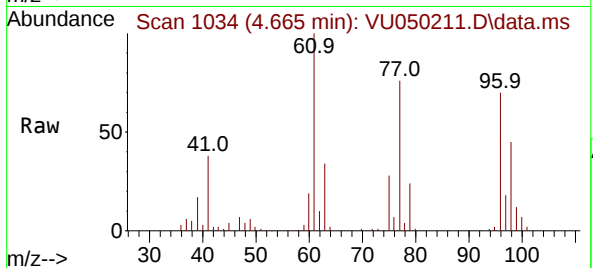
97 23.2 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/11/2022

Supervised By :Mahesh Dadoda 08/11/2022



#22

cis-1,2-Dichloroethene

Concen: 5.556 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

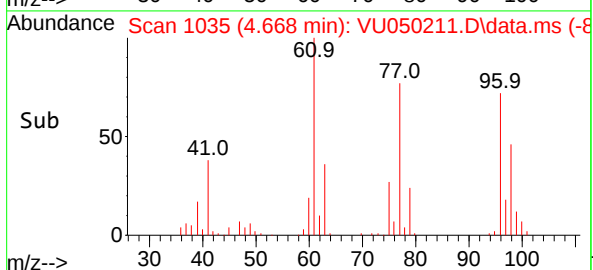
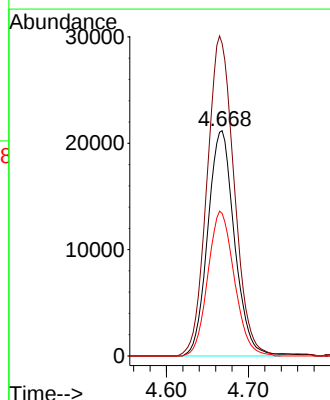
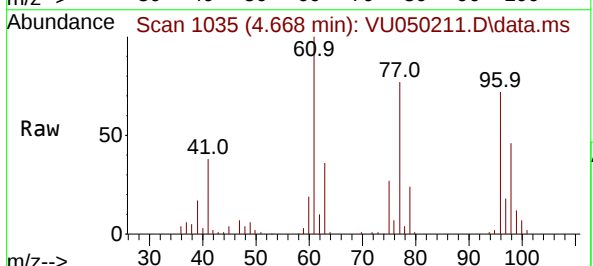
Tgt Ion: 96 Resp: 47923

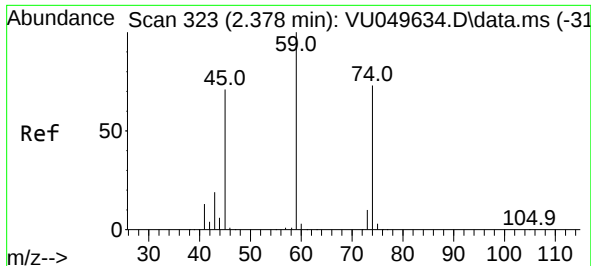
Ion Ratio Lower Upper

96 100

61 144.3 0.0 375.8

98 63.8 31.6 95.0





#23

Diethyl Ether

Concen: 6.041 ug/l

RT: 2.375 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 3427

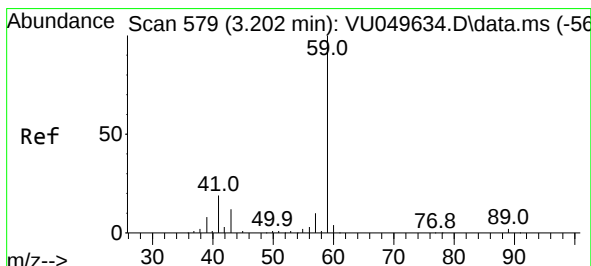
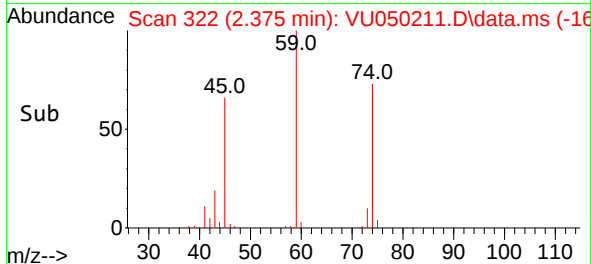
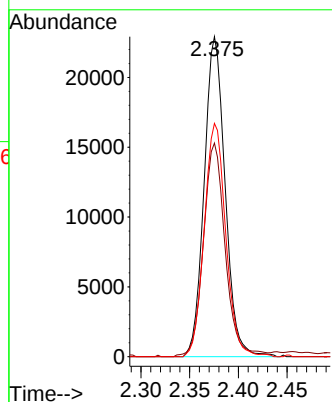
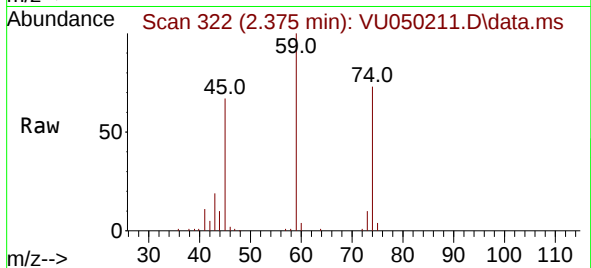
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 59  | 100   |       |       |
| 45  | 69.3  | 56.0  | 84.0  |
| 74  | 75.1  | 57.6  | 86.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/11/2022

Supervised By :Mahesh Dadoda 08/11/2022



#24

tert-Butyl Alcohol

Concen: 46.496 ug/l m

RT: 3.266 min Scan# 599

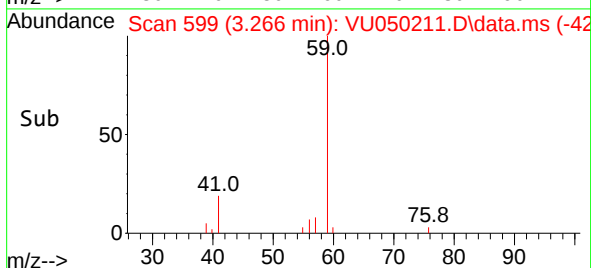
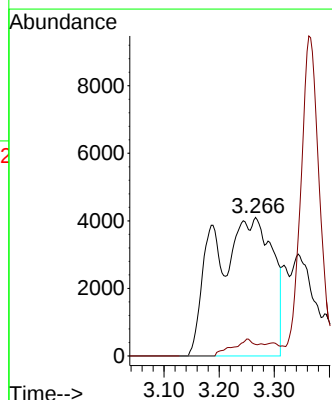
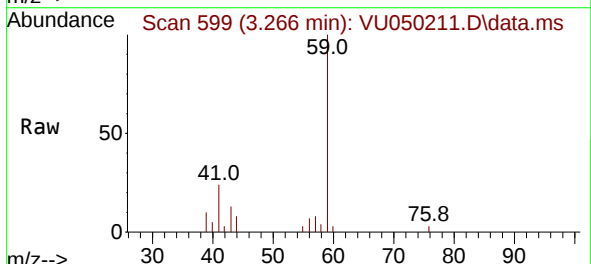
Delta R.T. 0.064 min

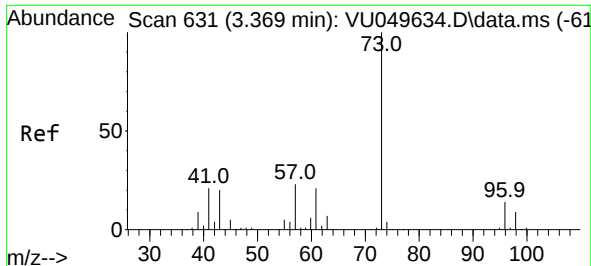
Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

Tgt Ion: 59 Resp: 30096

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 59  | 100   |       |       |
| 57  | 0.0   | 8.2   | 12.2  |





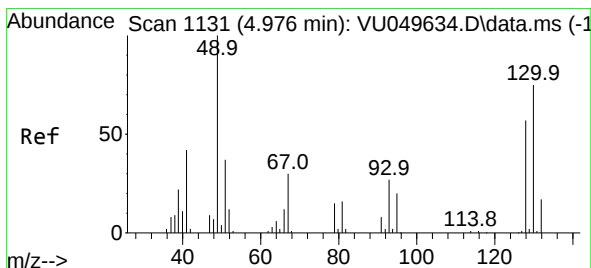
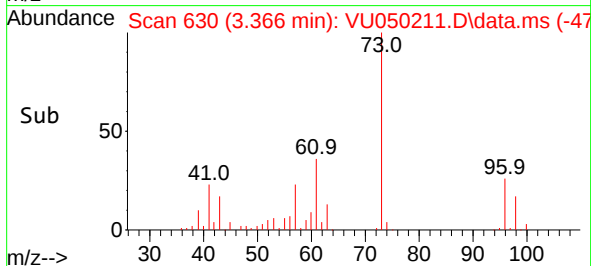
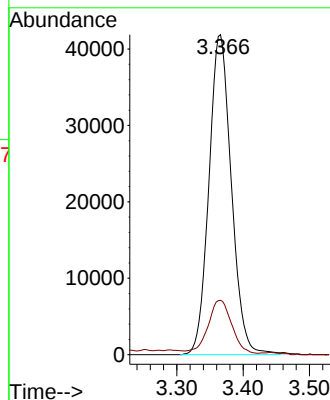
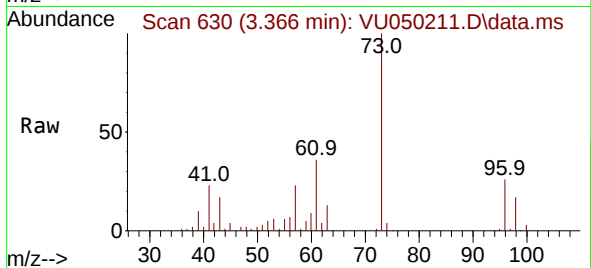
#25  
Methyl tert-Butyl Ether  
Concen: 5.288 ug/l  
RT: 3.366 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 73 Resp: 9847  
Ion Ratio Lower Upper  
73 100  
43 17.3 15.9 23.9

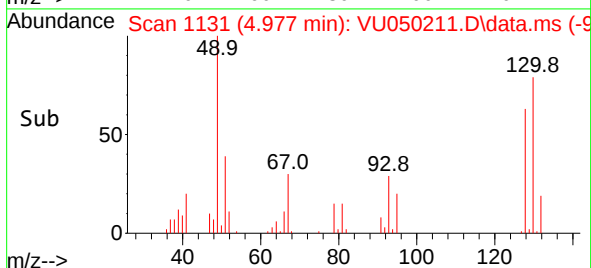
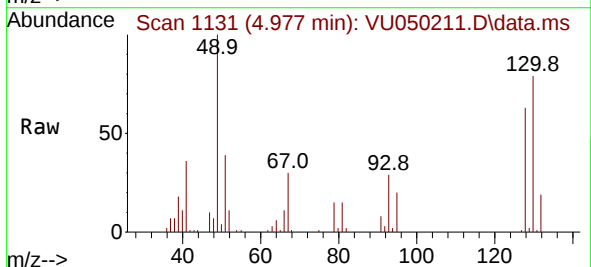
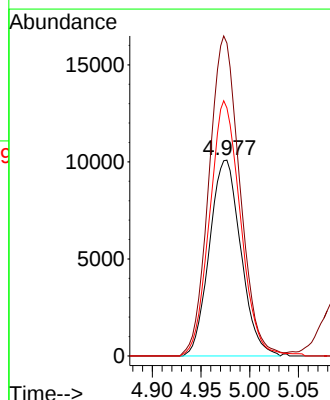
Manual Integrations  
APPROVED

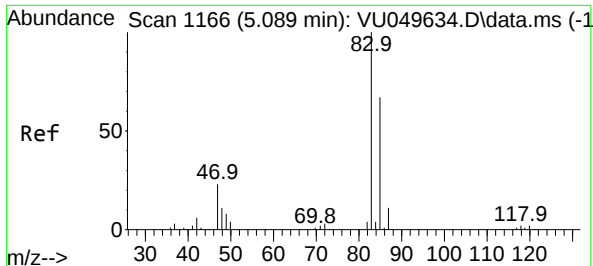
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#26  
Bromochloromethane  
Concen: 6.206 ug/l  
RT: 4.977 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Tgt Ion:128 Resp: 22536  
Ion Ratio Lower Upper  
128 100  
49 160.9 0.0 349.2  
130 128.6 103.0 154.6





#27

Chloroform

Concen: 5.758 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 81950

Ion Ratio Lower Upper

83 100

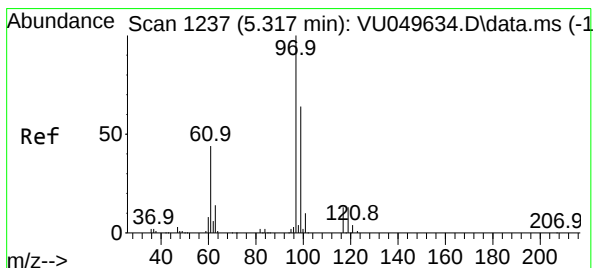
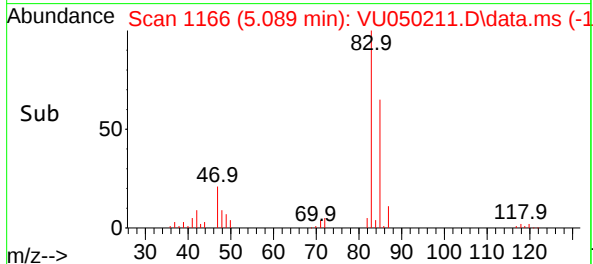
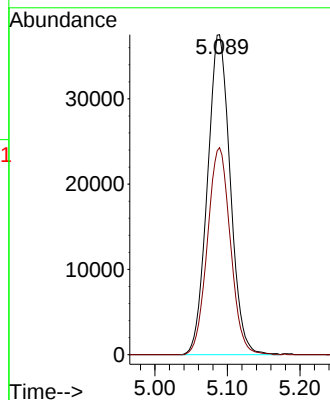
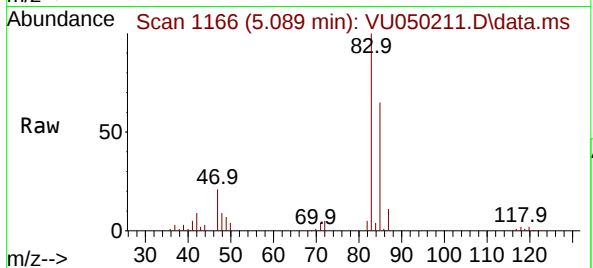
85 64.7 0.0 133.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/11/2022

Supervised By :Mahesh Dadoda 08/11/2022



#28

1,1,1-Trichloroethane

Concen: 5.157 ug/l

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

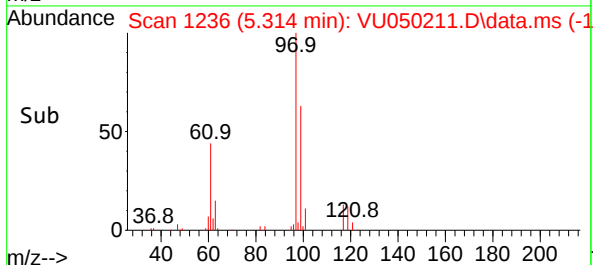
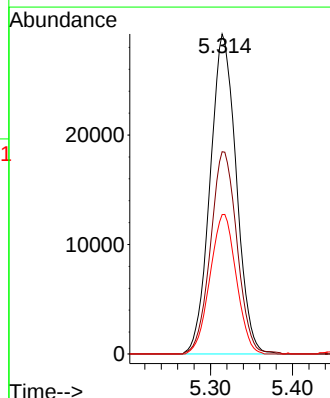
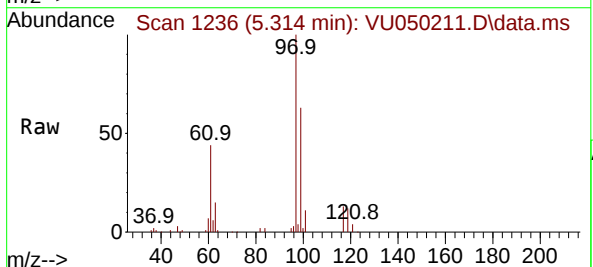
Tgt Ion: 97 Resp: 64718

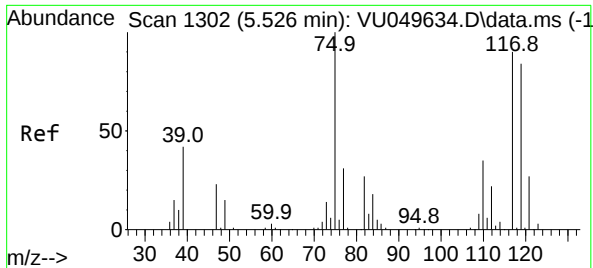
Ion Ratio Lower Upper

97 100

99 64.1 32.1 96.5

61 43.8 21.8 65.4





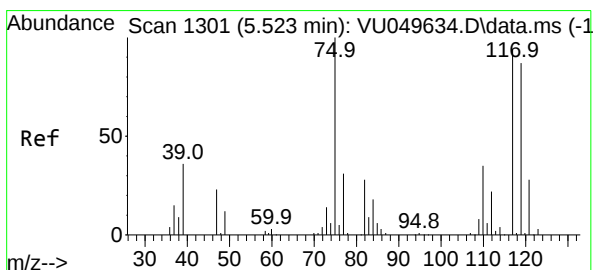
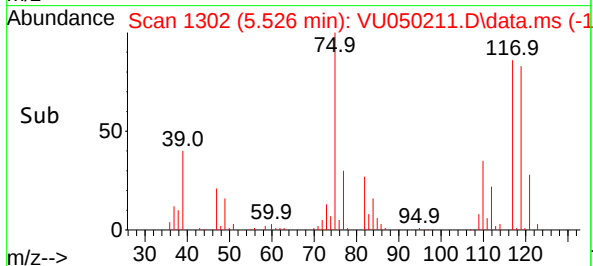
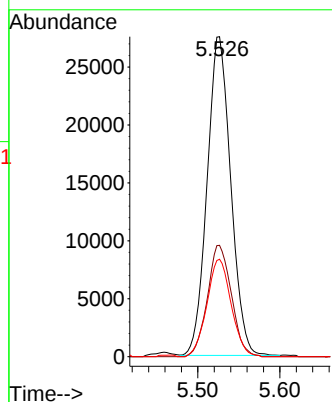
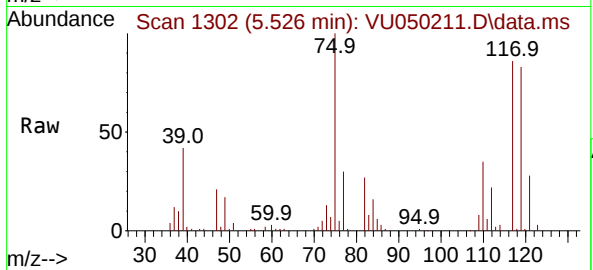
#29  
1,1-Dichloropropene  
Concen: 4.921 ug/l  
RT: 5.526 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 75 Resp: 5515  
Ion Ratio Lower Upper  
75 100  
110 35.4 17.3 52.0  
77 31.4 24.6 37.0

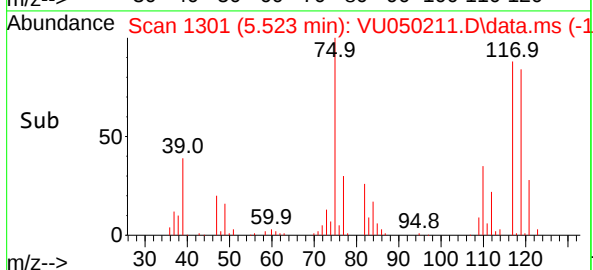
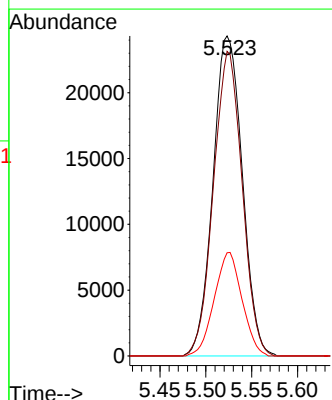
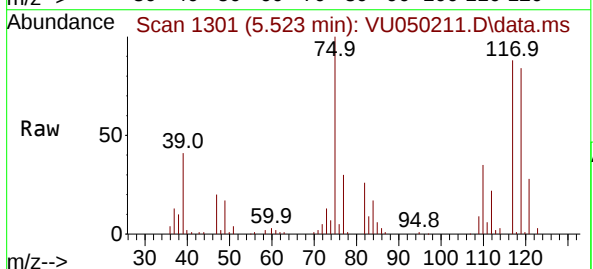
Manual Integrations  
APPROVED

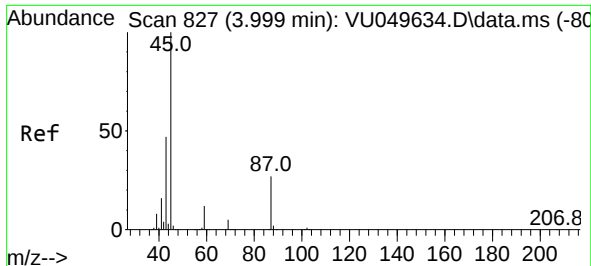
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#30  
Carbon Tetrachloride  
Concen: 5.112 ug/l  
RT: 5.523 min Scan# 1301  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

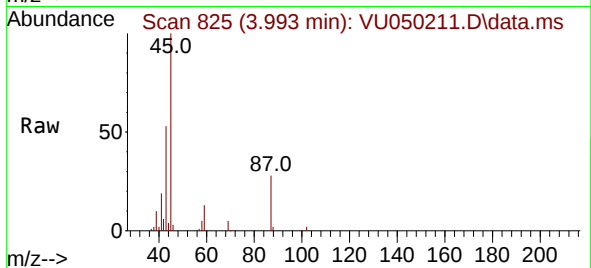
Tgt Ion:117 Resp: 54022  
Ion Ratio Lower Upper  
117 100  
119 95.2 74.6 112.0  
121 32.3 24.2 36.4





#31  
Isopropyl Ether  
Concen: 4.461 ug/l  
RT: 3.993 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

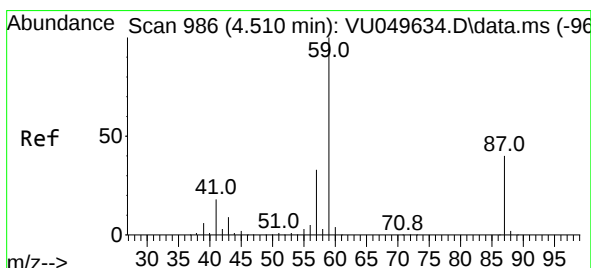
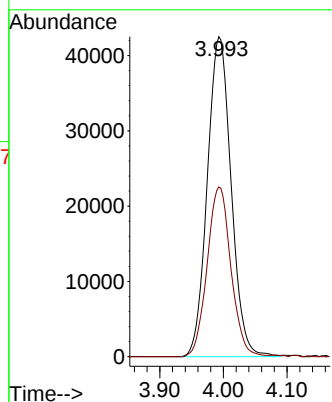
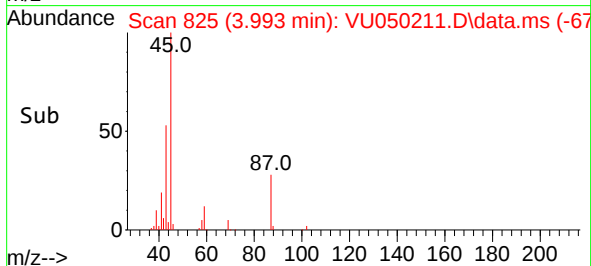
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005



Tgt Ion: 45 Resp: 11065  
Ion Ratio Lower Upper  
45 100  
43 52.8 23.8 71.2

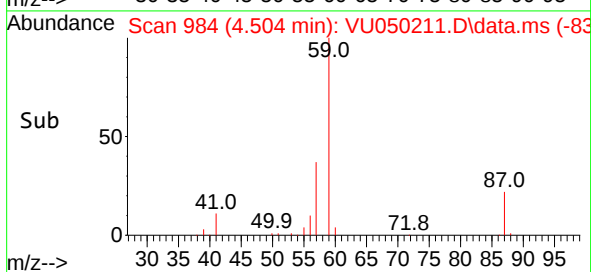
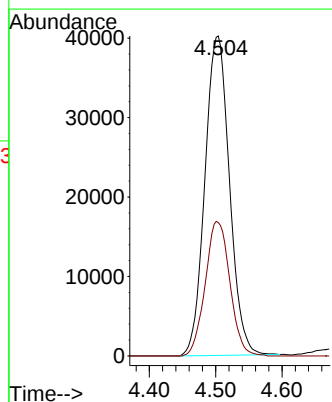
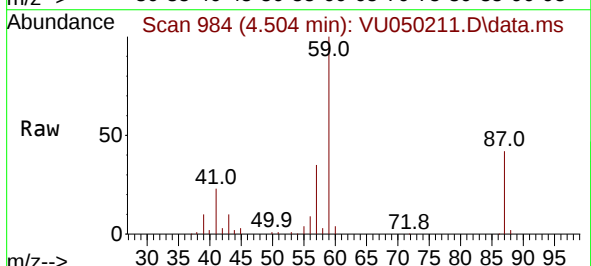
Manual Integrations  
APPROVED

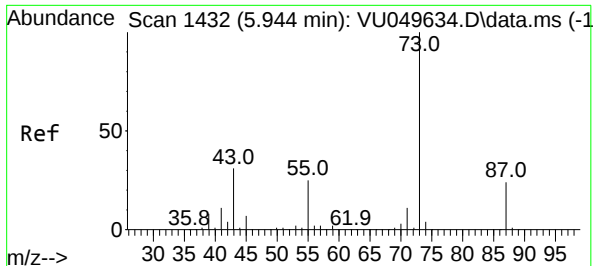
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#32  
Ethyl-t-butyl ether  
Concen: 4.412 ug/l  
RT: 4.504 min Scan# 984  
Delta R.T. -0.006 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

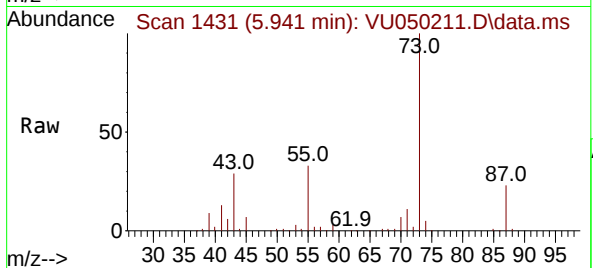
Tgt Ion: 59 Resp: 103561  
Ion Ratio Lower Upper  
59 100  
87 42.2 32.5 48.7





#33  
Tert-Amyl methyl ether  
Concen: 4.584 ug/l  
RT: 5.941 min Scan# 1432  
Delta R.T. -0.003 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

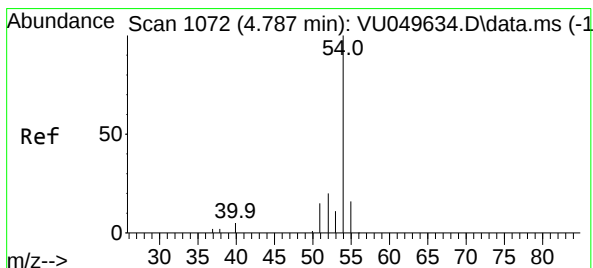
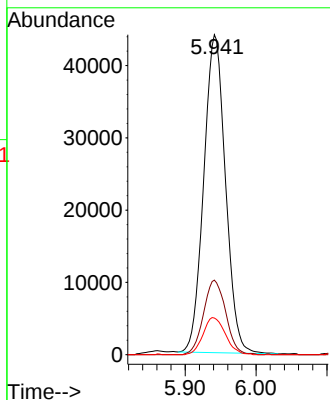
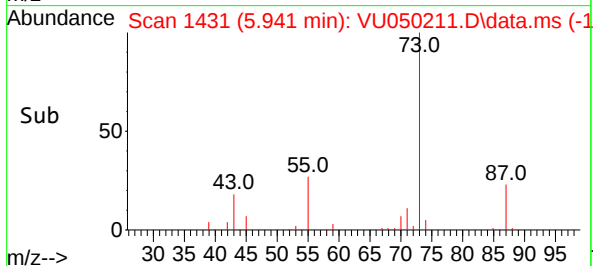
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005



Tgt Ion: 73 Resp: 93560  
Ion Ratio Lower Upper  
73 100  
87 24.1 19.7 29.5  
71 12.0 9.0 13.4

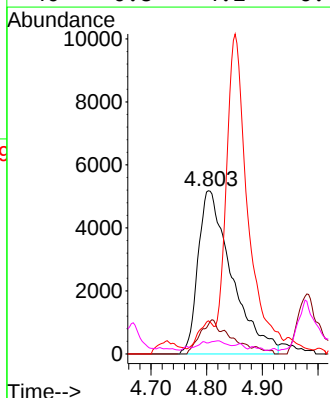
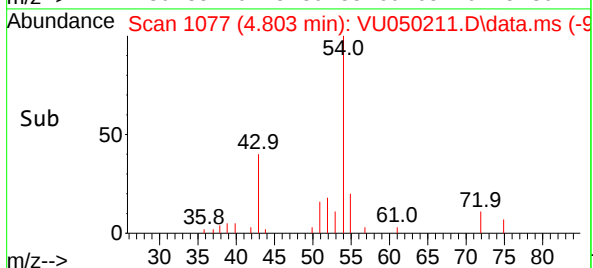
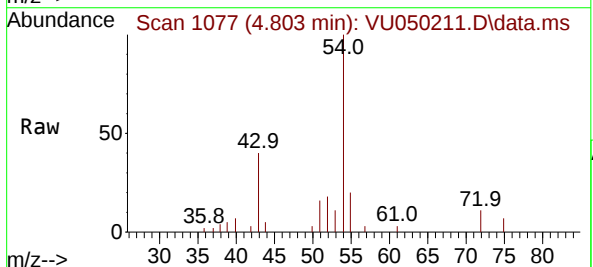
Manual Integrations  
APPROVED

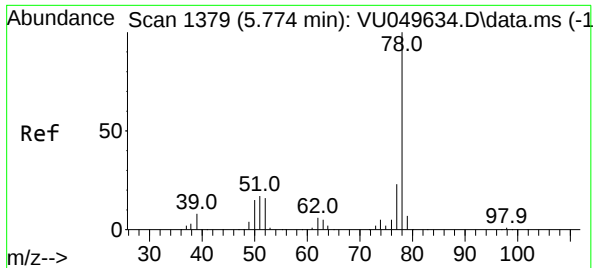
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#34  
Propionitrile  
Concen: 31.671 ug/l  
RT: 4.803 min Scan# 1077  
Delta R.T. 0.016 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Tgt Ion: 54 Resp: 21748  
Ion Ratio Lower Upper  
54 100  
52 11.4 15.0 22.6#  
55 7.4 12.6 19.0#  
40 0.8 4.2 6.4#





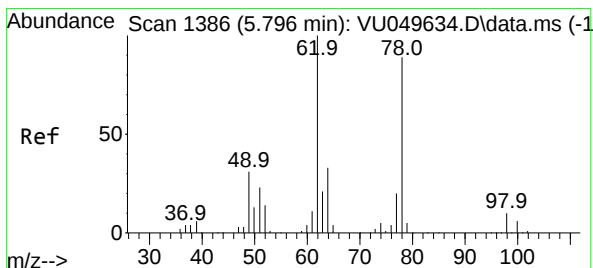
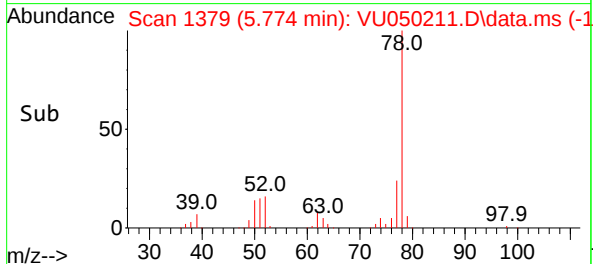
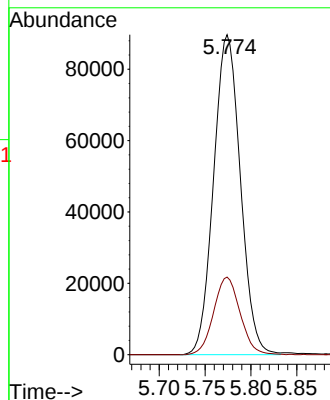
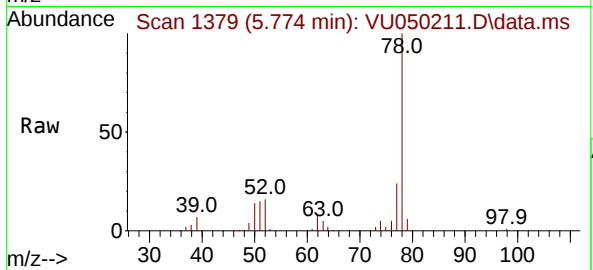
#35  
Benzene  
Concen: 5.698 ug/l  
RT: 5.774 min Scan# 1379  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 78 Resp: 181989  
Ion Ratio Lower Upper  
78 100  
77 24.3 18.6 28.0

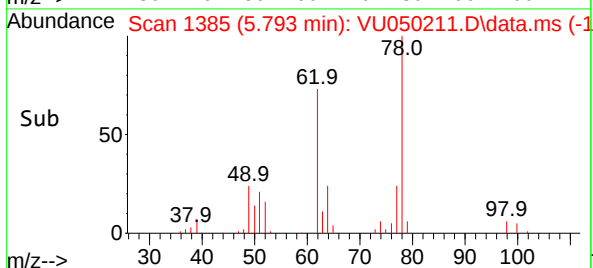
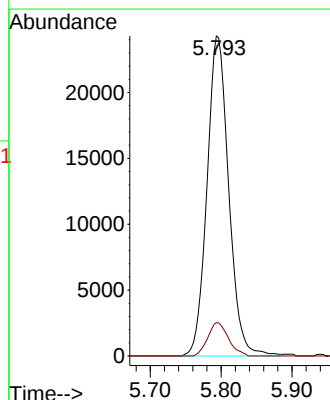
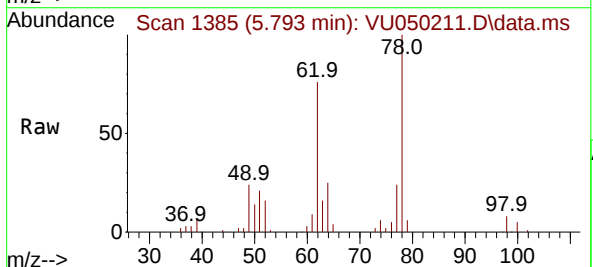
Manual Integrations  
APPROVED

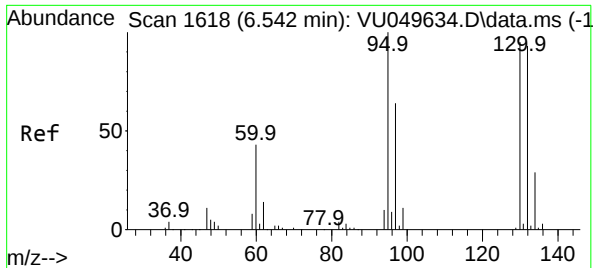
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#36  
1,2-Dichloroethane  
Concen: 5.694 ug/l  
RT: 5.793 min Scan# 1385  
Delta R.T. -0.003 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

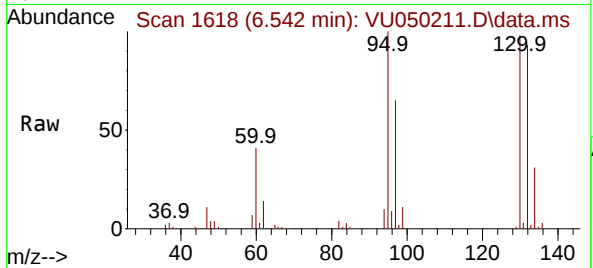
Tgt Ion: 62 Resp: 51705  
Ion Ratio Lower Upper  
62 100  
98 9.9 7.4 11.0





#37  
Trichloroethene  
Concen: 5.287 ug/l  
RT: 6.542 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

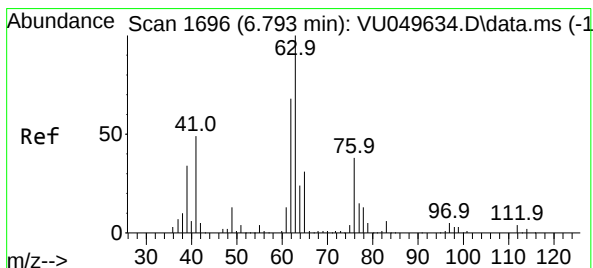
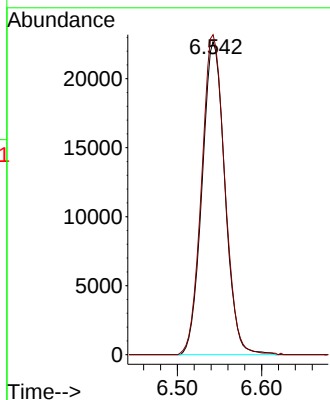
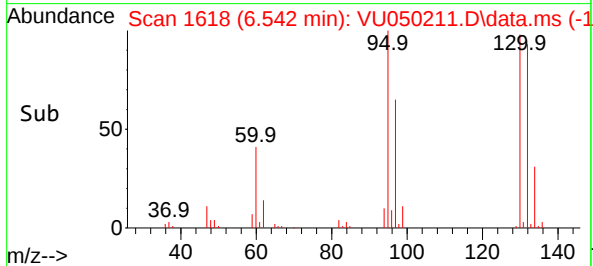
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



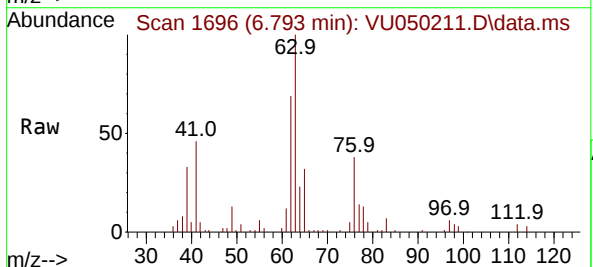
Tgt Ion:130 Resp: 42670  
Ion Ratio Lower Upper  
130 100  
95 102.3 83.8 125.8

Manual Integrations  
APPROVED

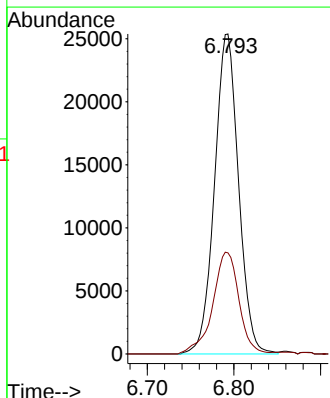
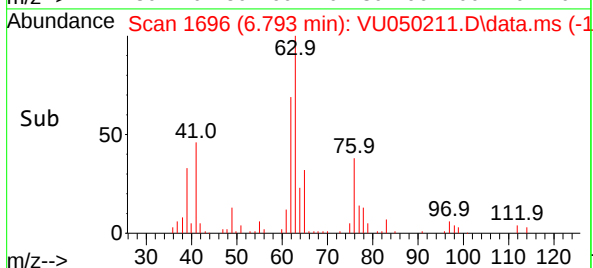
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022

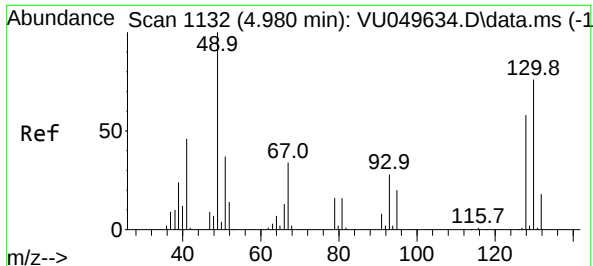


#38  
1,2-Dichloropropane  
Concen: 5.785 ug/l  
RT: 6.793 min Scan# 1696  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37



Tgt Ion: 63 Resp: 48918  
Ion Ratio Lower Upper  
63 100  
65 31.6 25.0 37.4





#39

Methacrylonitrile

Concen: 4.818 ug/l

RT: 4.977 min Scan# 1131

Delta R.T. -0.003 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 14174

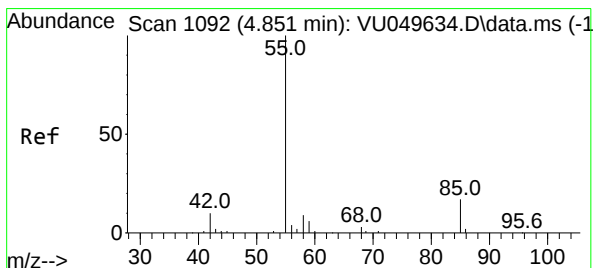
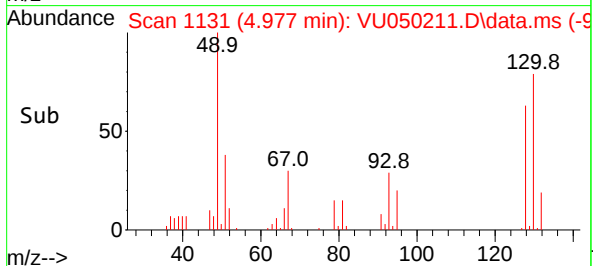
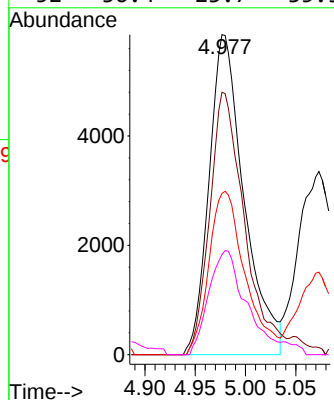
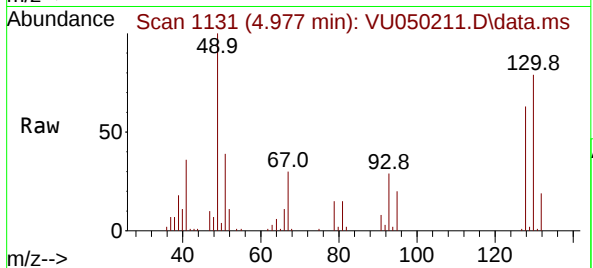
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 67  | 81.4  | 59.4  | 89.0  |
| 39  | 52.9  | 42.2  | 63.2  |
| 52  | 36.4  | 23.7  | 35.5# |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/11/2022

Supervised By :Mahesh Dadoda 08/11/2022



#40

Methyl acrylate

Concen: 5.449 ug/l

RT: 4.851 min Scan# 1092

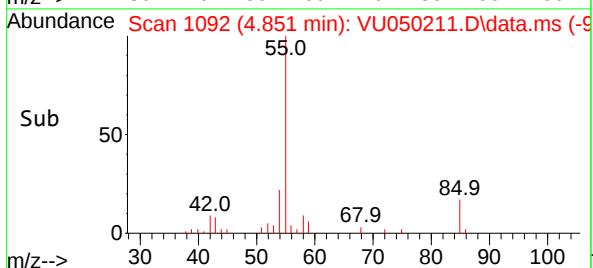
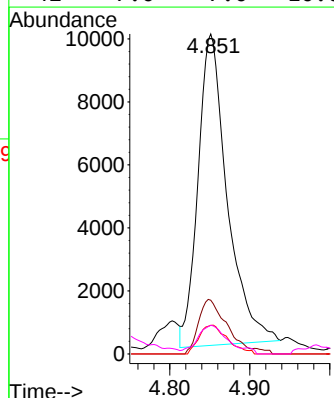
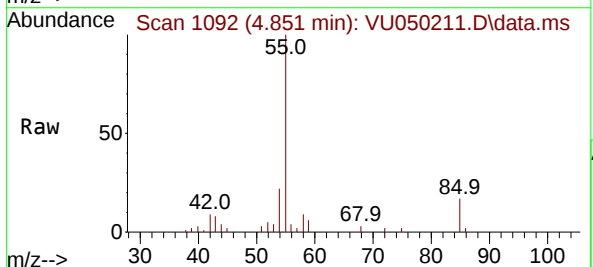
Delta R.T. 0.000 min

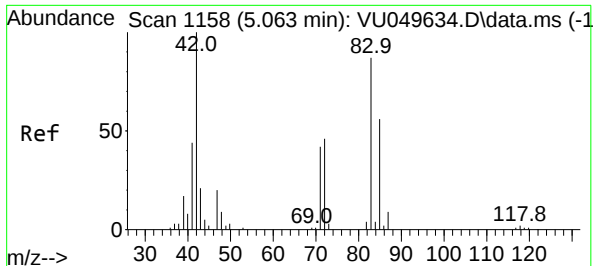
Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

Tgt Ion: 55 Resp: 25106

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 55  | 100   |       |       |
| 85  | 16.7  | 13.5  | 20.3  |
| 58  | 9.0   | 7.0   | 10.4  |
| 42  | 7.0   | 7.0   | 10.6# |





#41

Tetrahydrofuran

Concen: 9.646 ug/l

RT: 5.070 min Scan# 1158

Delta R.T. 0.007 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

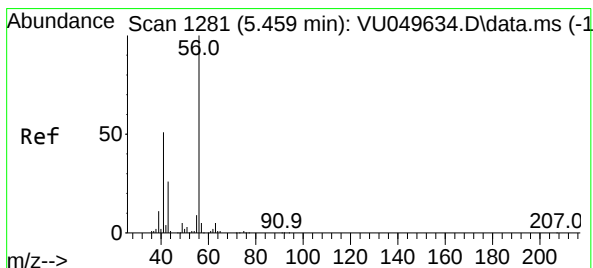
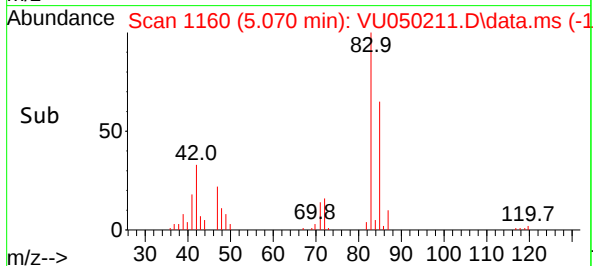
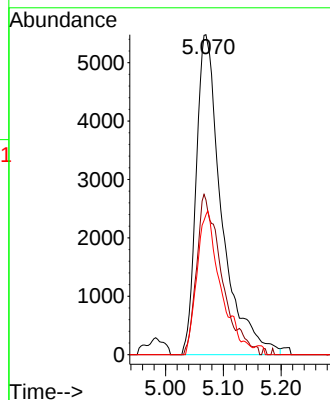
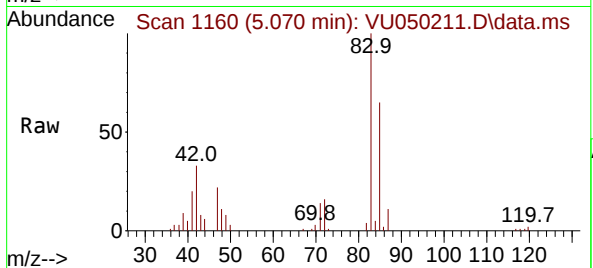
|             |                |
|-------------|----------------|
| Tgt Ion: 42 | Resp: 16770    |
| Ion Ratio   | Lower Upper    |
| 42          | 100            |
| 72          | 49.1 38.9 58.3 |
| 71          | 42.1 33.7 50.5 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/11/2022

Supervised By :Mahesh Dadoda 08/11/2022



#42

1-Chlorobutane

Concen: 4.873 ug/l

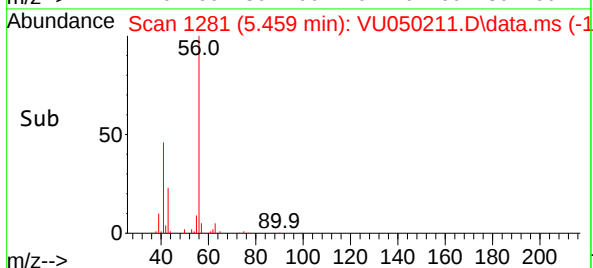
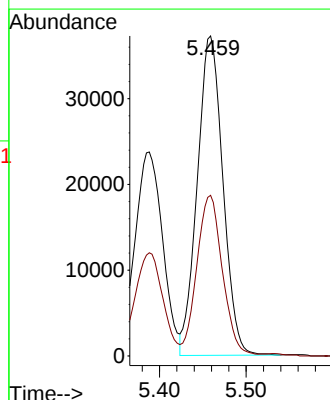
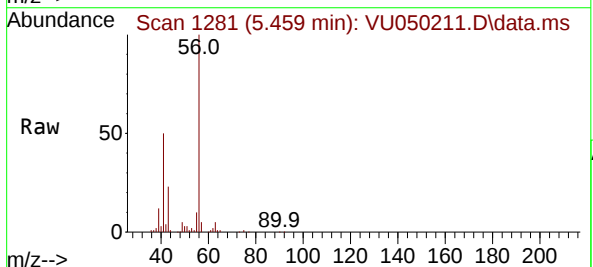
RT: 5.459 min Scan# 1281

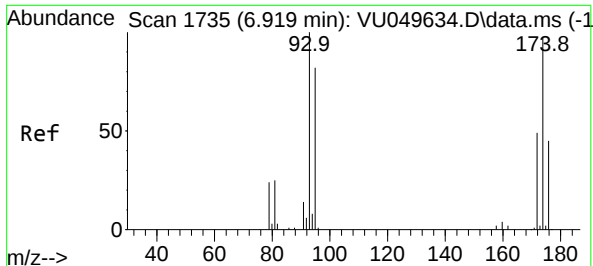
Delta R.T. 0.000 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

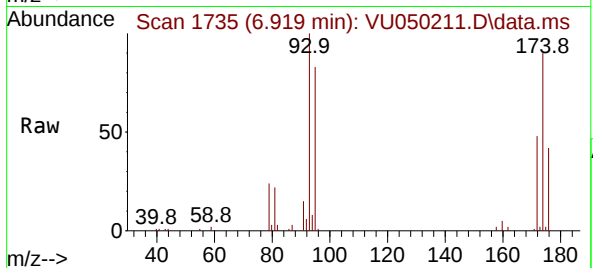
|             |                |
|-------------|----------------|
| Tgt Ion: 56 | Resp: 76592    |
| Ion Ratio   | Lower Upper    |
| 56          | 100            |
| 41          | 49.3 26.4 79.2 |





#43  
Dibromomethane  
Concen: 6.141 ug/l  
RT: 6.919 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

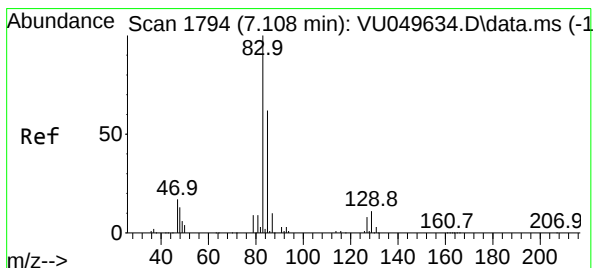
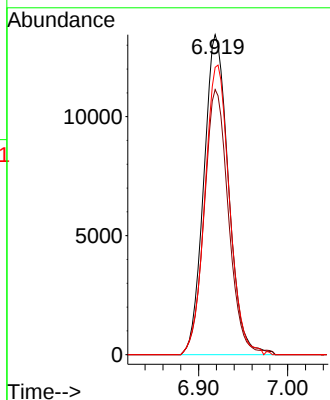
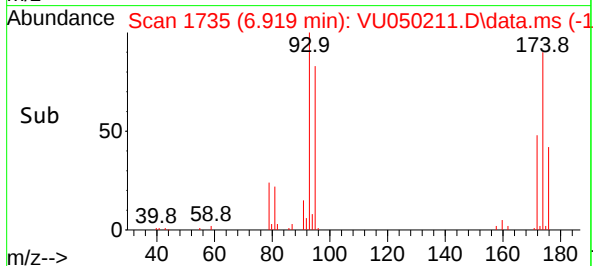
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



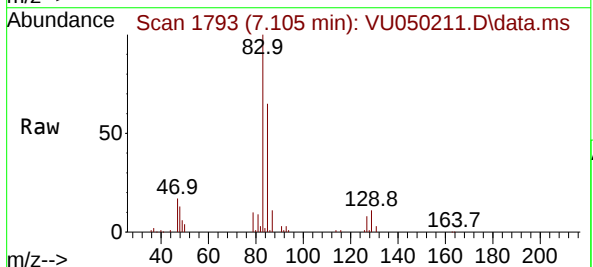
Tgt Ion: 93 Resp: 25872  
Ion Ratio Lower Upper  
93 100  
95 81.2 65.0 97.6  
174 90.5 76.3 114.5

Manual Integrations  
APPROVED

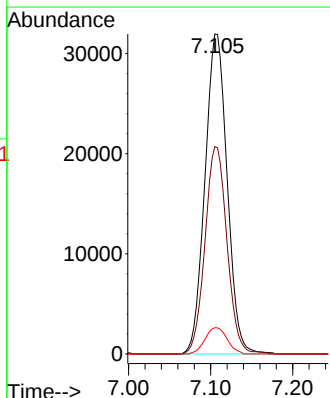
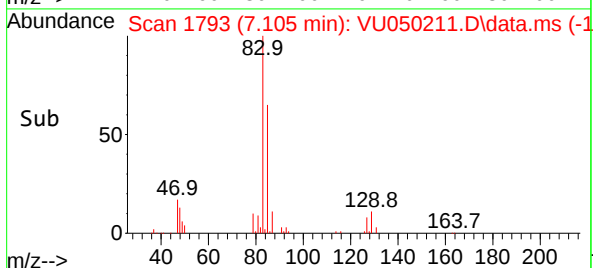
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022

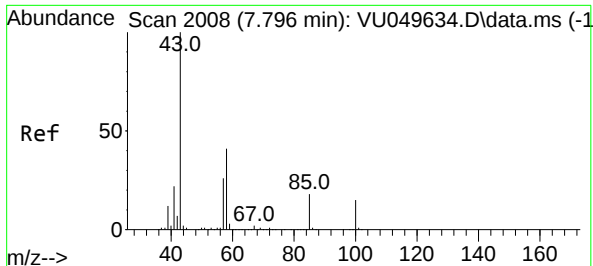


#44  
Bromodichloromethane  
Concen: 5.960 ug/l  
RT: 7.105 min Scan# 1793  
Delta R.T. -0.003 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37



Tgt Ion: 83 Resp: 60181  
Ion Ratio Lower Upper  
83 100  
85 64.8 49.4 74.0  
127 8.2 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 25.152 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC005

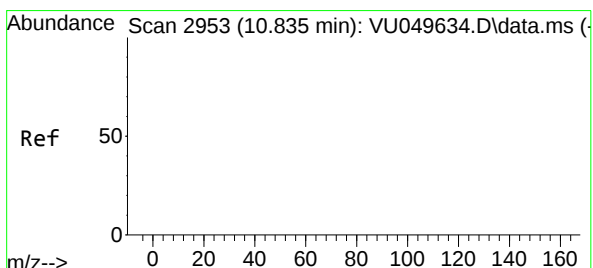
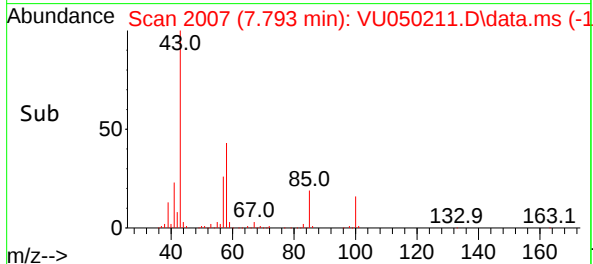
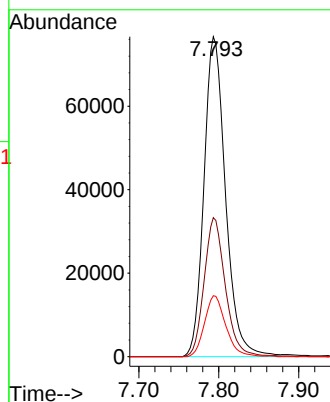
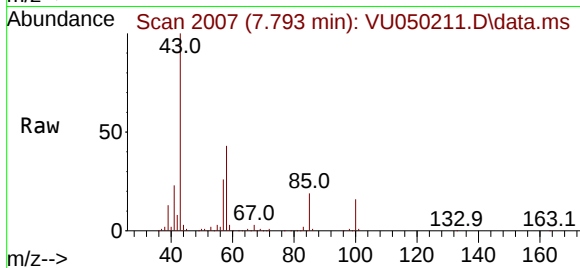
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 143819 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 42.9  | 20.3  | 61.0   |
| 85        | 18.9  | 14.6  | 21.8   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/11/2022

Supervised By :Mahesh Dadoda 08/11/2022



#46

t-1,4-Dichloro-2-butene

Concen: 12.398 ug/l m

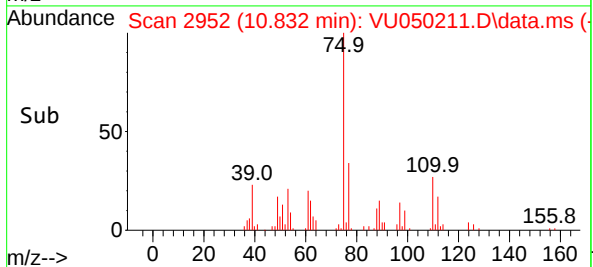
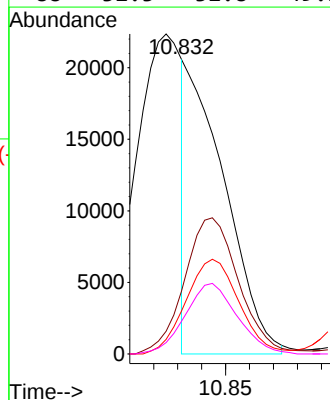
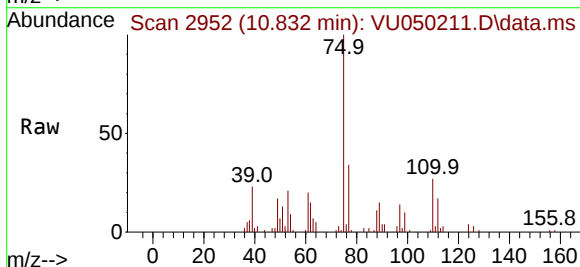
RT: 10.832 min Scan# 2952

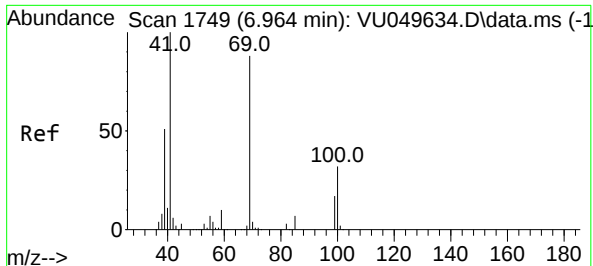
Delta R.T. -0.003 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 23069 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 65.2  | 64.4  | 96.6  |
| 89        | 44.2  | 44.2  | 66.2  |
| 88        | 32.3  | 32.8  | 49.2  |





#47

Methyl methacrylate

Concen: 10.911 ug/l

RT: 6.964 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VU050211.D

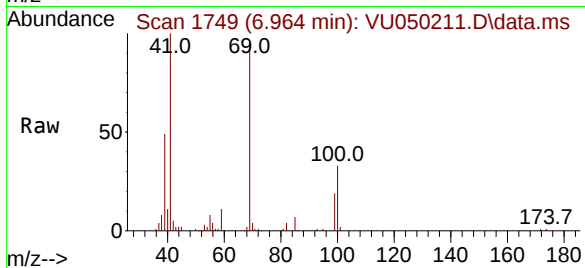
Acq: 10 Aug 2022 10:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005



Tgt Ion: 69 Resp: 46350

Ion Ratio Lower Upper

69 100

41 101.4 0.0 225.4

39 52.9 45.8 68.8

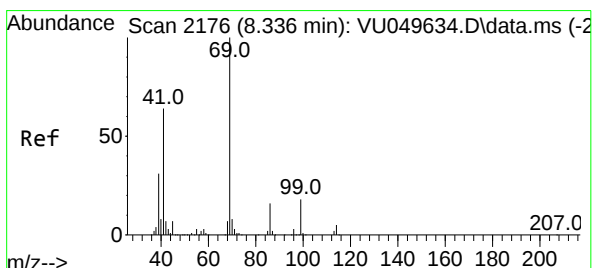
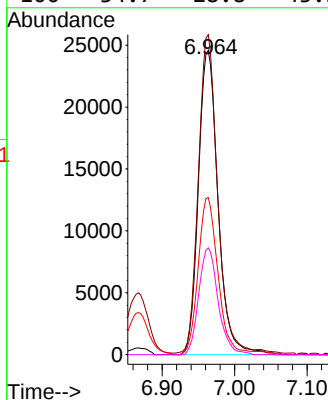
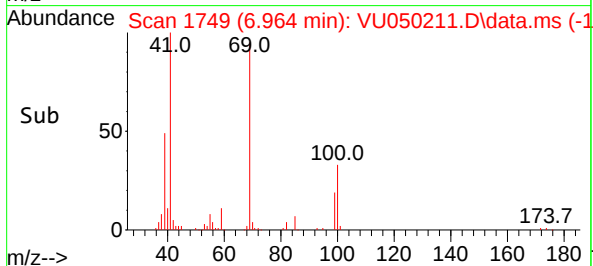
100 34.7 28.8 43.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/11/2022

Supervised By :Mahesh Dadoda 08/11/2022



#48

Ethyl methacrylate

Concen: 4.920 ug/l

RT: 8.333 min Scan# 2175

Delta R.T. -0.003 min

Lab File: VU050211.D

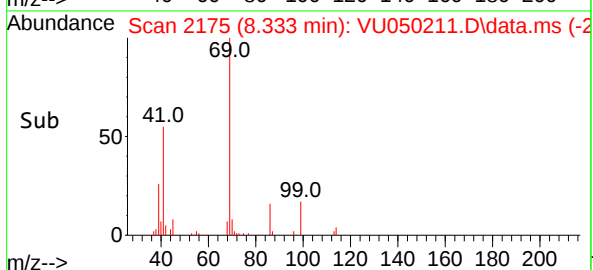
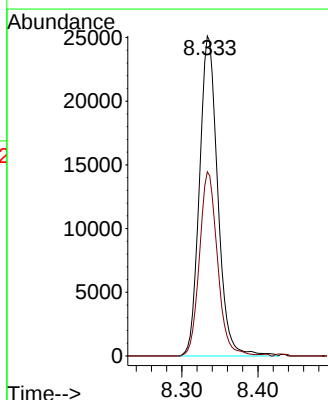
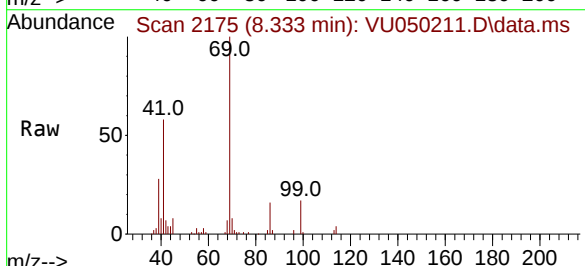
Acq: 10 Aug 2022 10:37

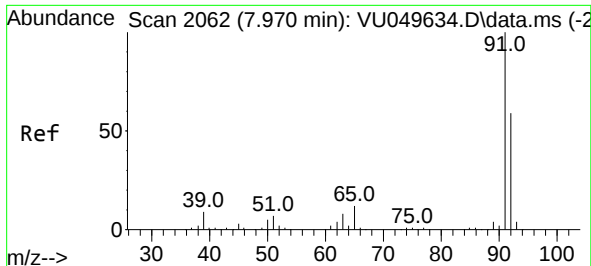
Tgt Ion: 69 Resp: 41928

Ion Ratio Lower Upper

69 100

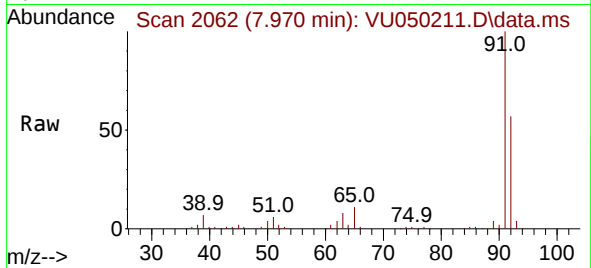
41 56.9 32.3 96.9





#49  
Toluene  
Concen: 5.442 ug/l  
RT: 7.970 min Scan# 2062  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

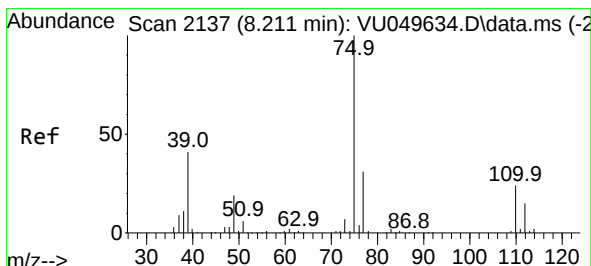
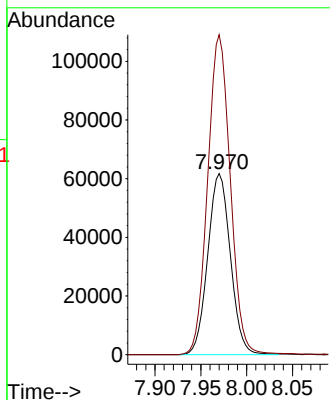
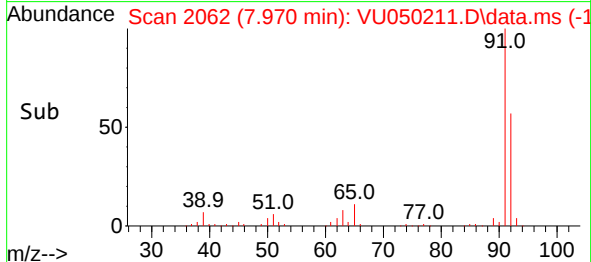
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



Tgt Ion: 92 Resp: 106130  
Ion Ratio Lower Upper  
92 100  
91 176.6 138.6 207.8

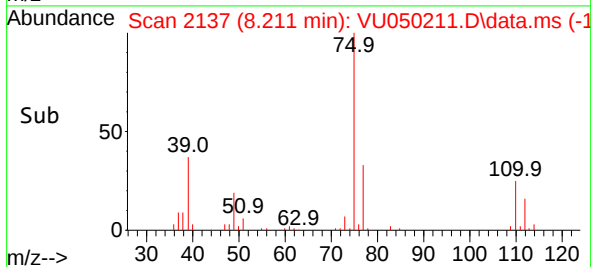
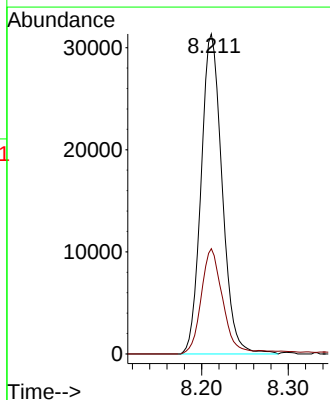
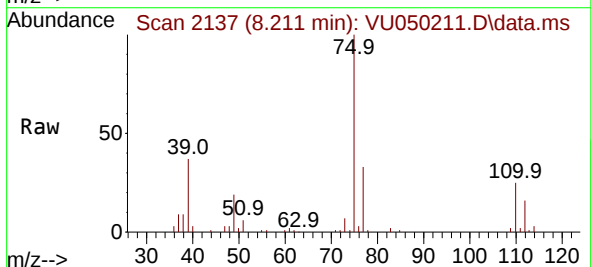
Manual Integrations  
APPROVED

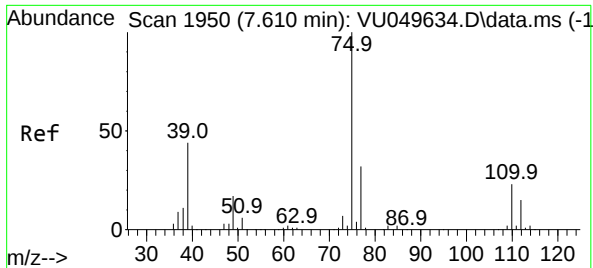
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#50  
t-1,3-Dichloropropene  
Concen: 5.420 ug/l  
RT: 8.211 min Scan# 2137  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

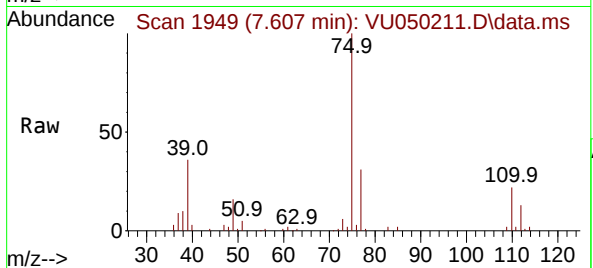
Tgt Ion: 75 Resp: 52863  
Ion Ratio Lower Upper  
75 100  
77 32.9 24.7 37.1





#51  
 cis-1,3-Dichloropropene  
 Concen: 5.383 ug/l  
 RT: 7.607 min Scan# 1950  
 Delta R.T. -0.003 min  
 Lab File: VU050211.D  
 Acq: 10 Aug 2022 10:37

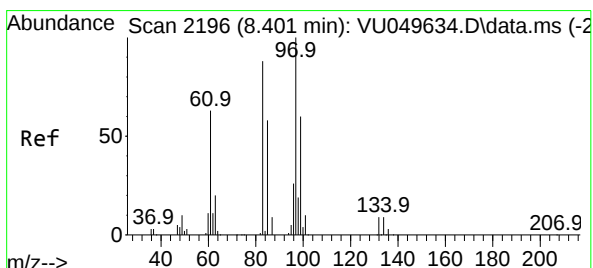
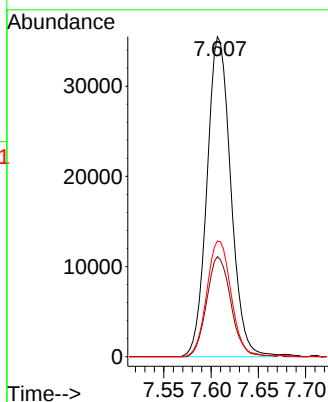
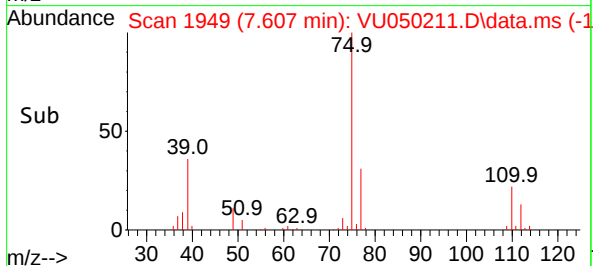
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005



Tgt Ion: 75 Resp: 62210  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 25.4 38.0  
 39 36.2 35.1 52.7

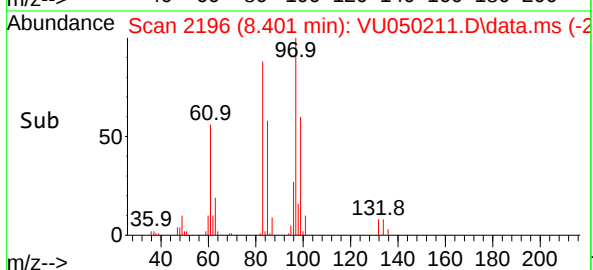
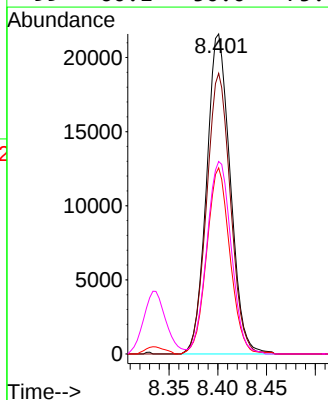
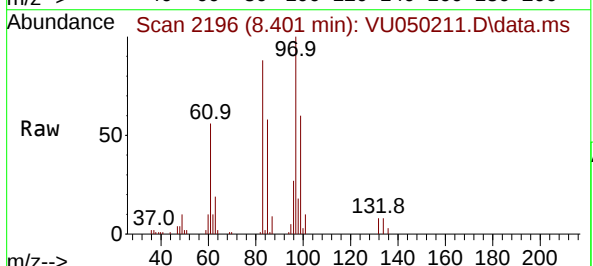
Manual Integrations  
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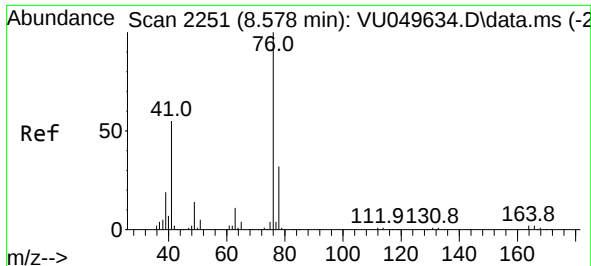
Reviewed By :John Carlone 08/11/2022  
 Supervised By :Mahesh Dadoda 08/11/2022



#52  
 1,1,2-Trichloroethane  
 Concen: 6.291 ug/l  
 RT: 8.401 min Scan# 2196  
 Delta R.T. 0.000 min  
 Lab File: VU050211.D  
 Acq: 10 Aug 2022 10:37

Tgt Ion: 97 Resp: 36578  
 Ion Ratio Lower Upper  
 97 100  
 83 87.7 70.6 106.0  
 85 58.1 46.2 69.4  
 99 60.1 50.0 75.0





#53

1,3-Dichloropropane

Concen: 5.850 ug/l

RT: 8.574 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 61054

Ion Ratio Lower Upper

76 100

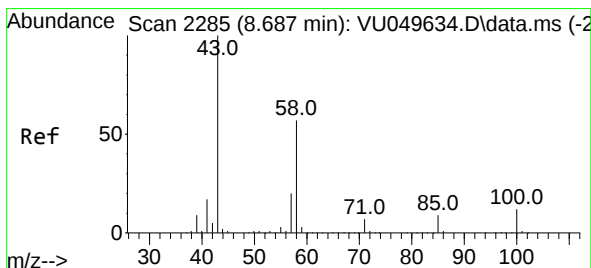
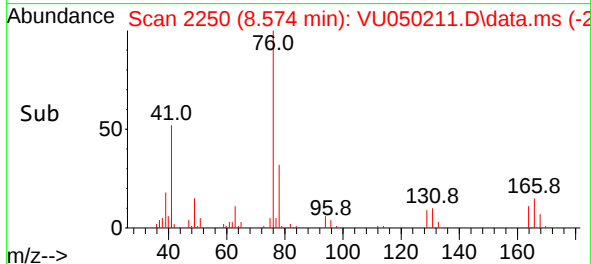
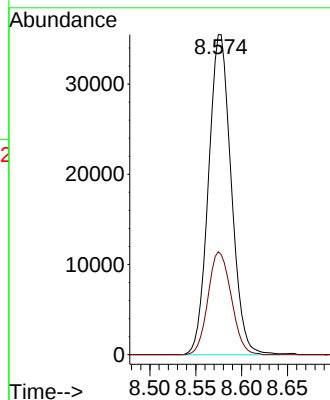
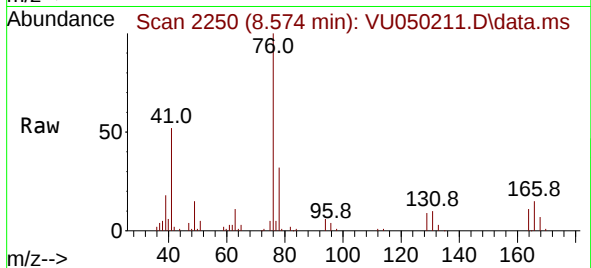
78 32.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/11/2022

Supervised By :Mahesh Dadoda 08/11/2022



#54

2-Hexanone

Concen: 25.200 ug/l

RT: 8.687 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

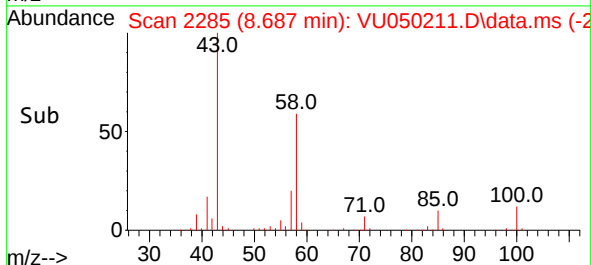
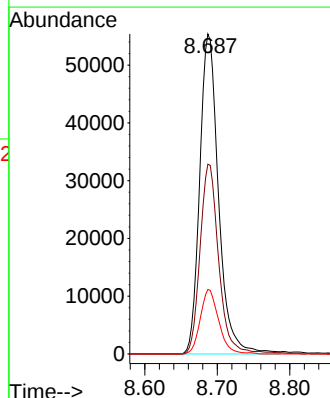
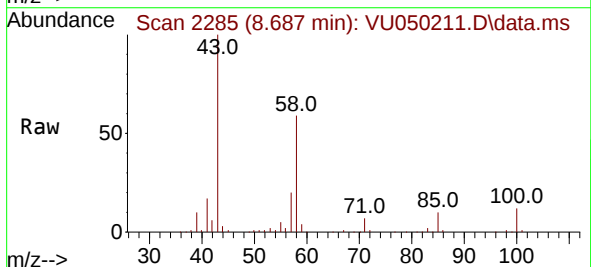
Tgt Ion: 43 Resp: 100072

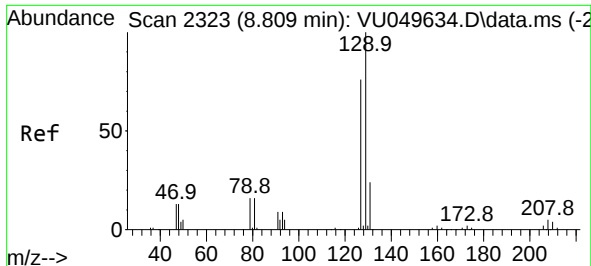
Ion Ratio Lower Upper

43 100

58 57.9 37.1 77.1

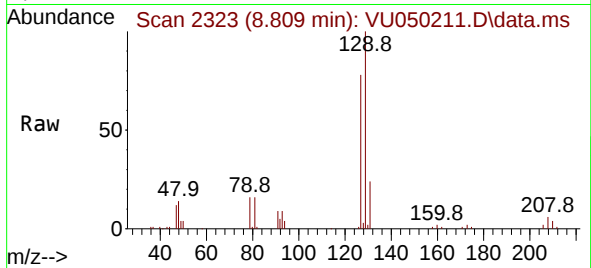
57 19.6 0.0 39.5





#55  
Dibromochloromethane  
Concen: 6.039 ug/l  
RT: 8.809 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

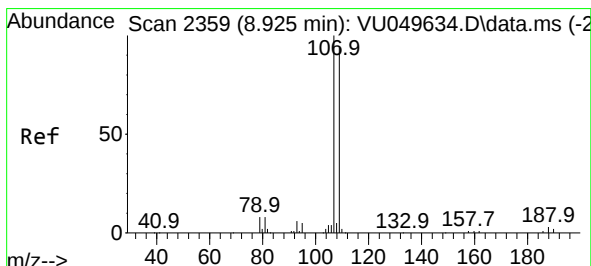
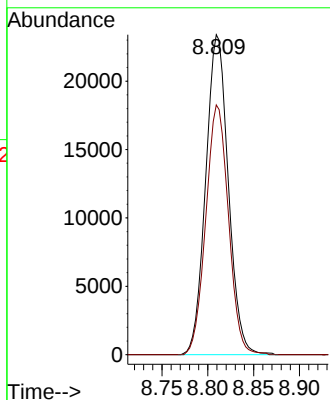
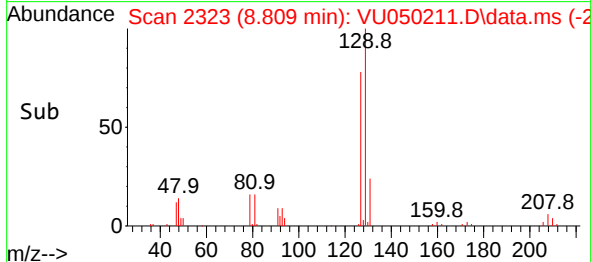
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



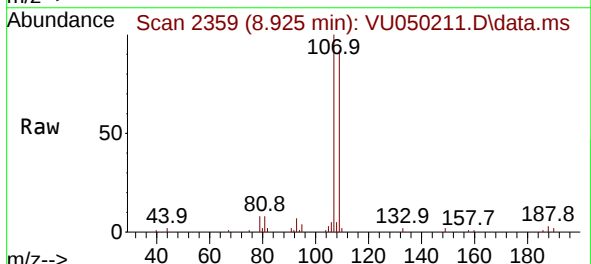
Tgt Ion:129 Resp: 40108  
Ion Ratio Lower Upper  
129 100  
127 78.2 61.2 91.8

Manual Integrations  
APPROVED

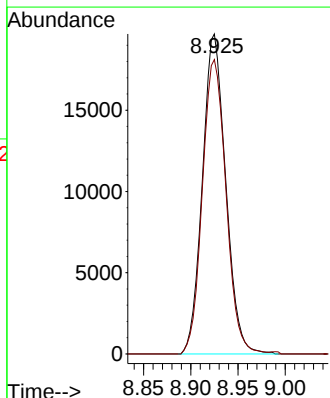
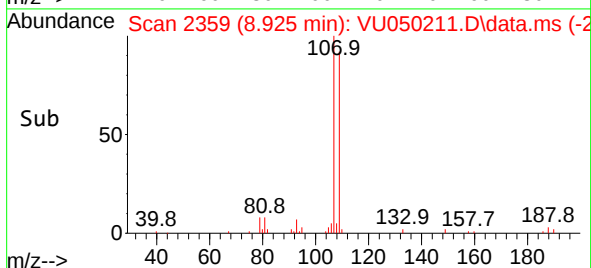
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022

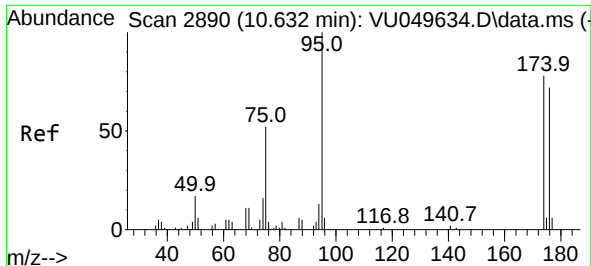


#56  
1,2-Dibromoethane  
Concen: 6.002 ug/l  
RT: 8.925 min Scan# 2359  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37



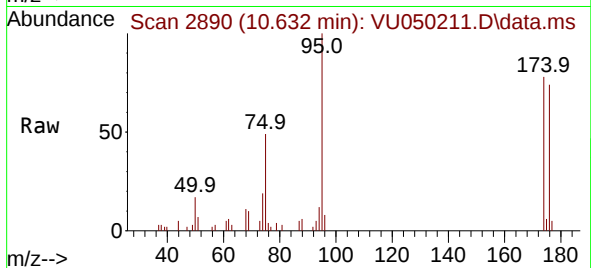
Tgt Ion:107 Resp: 33795  
Ion Ratio Lower Upper  
107 100  
109 93.3 0.0 187.2





#57  
4-Bromofluorobenzene  
Concen: 0.926 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

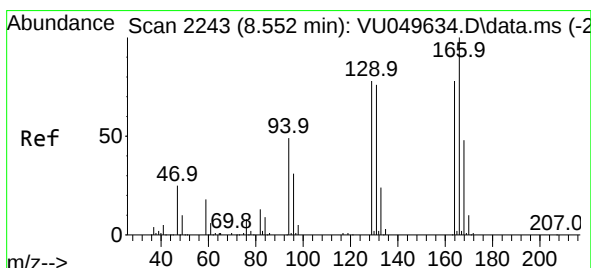
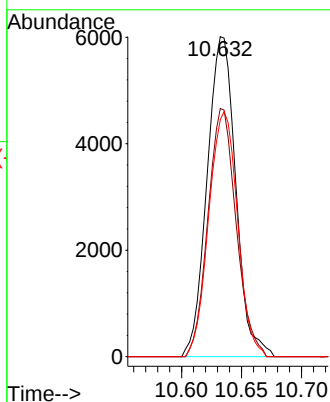
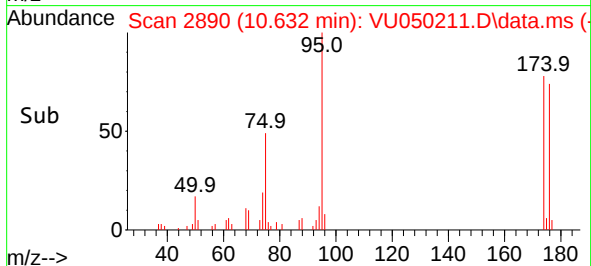
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



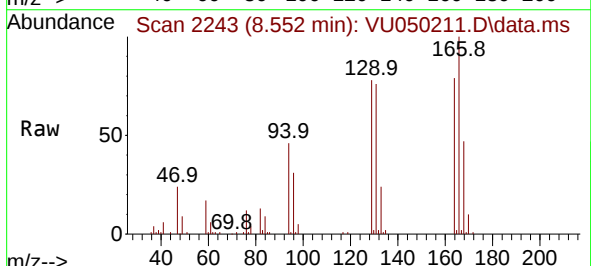
Tgt Ion: 95 Resp: 996  
Ion Ratio Lower Upper  
95 100  
174 76.5 62.4 93.6  
176 76.9 56.2 84.2

Manual Integrations  
APPROVED

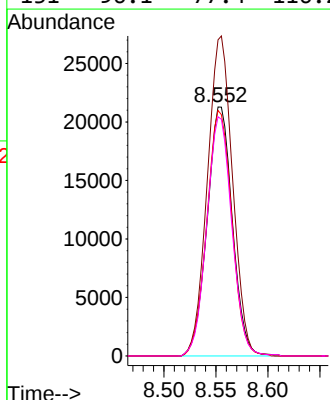
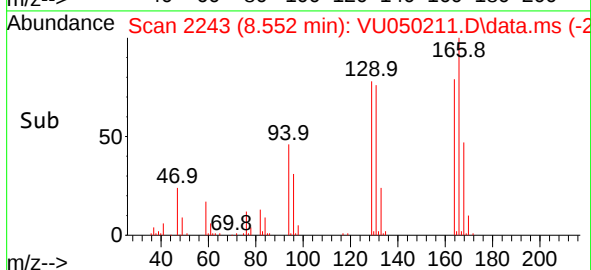
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022

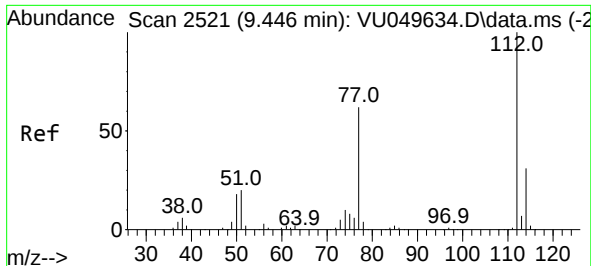


#58  
Tetrachloroethene  
Concen: 5.336 ug/l  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37



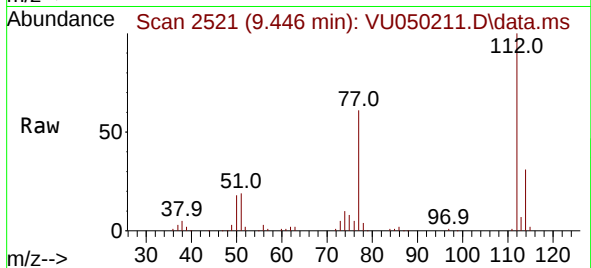
Tgt Ion:164 Resp: 35815  
Ion Ratio Lower Upper  
164 100  
166 127.0 102.4 153.6  
129 98.6 79.5 119.3  
131 96.1 77.4 116.2





#59  
Chlorobenzene  
Concen: 5.295 ug/l  
RT: 9.446 min Scan# 2521  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

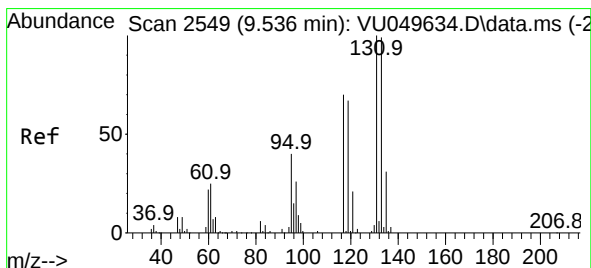
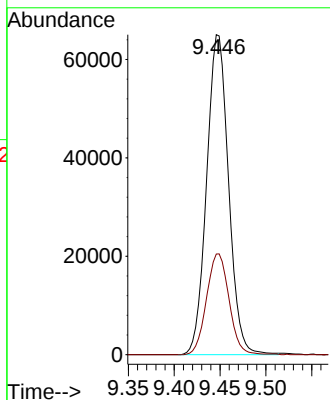
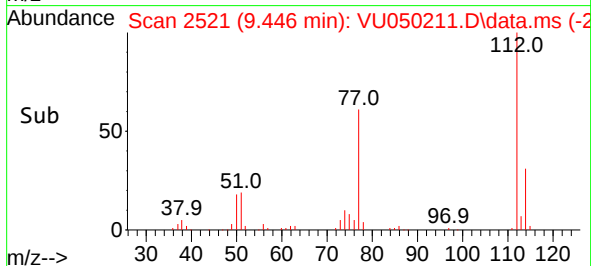
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



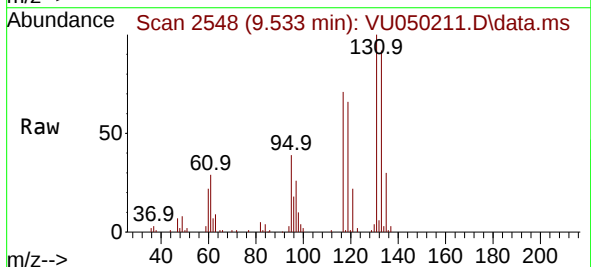
Tgt Ion:112 Resp: 10804  
Ion Ratio Lower Upper  
112 100  
114 31.4 24.9 37.3

Manual Integrations  
APPROVED

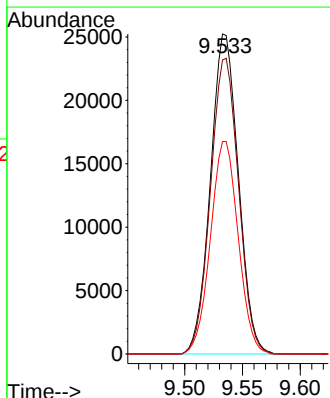
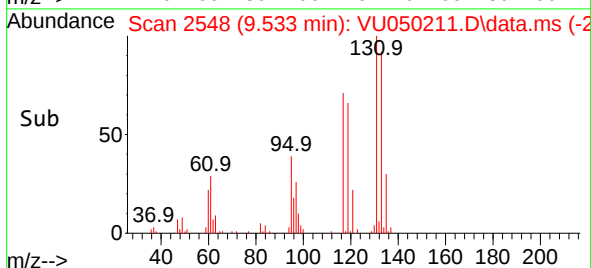
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022

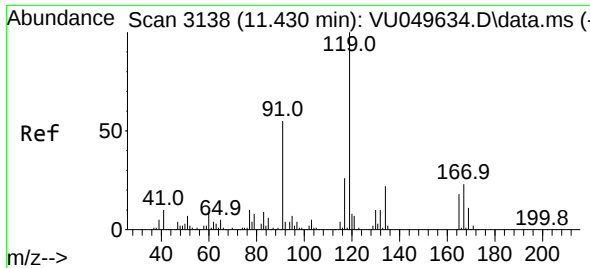


#60  
1,1,1,2-Tetrachloroethane  
Concen: 5.853 ug/l  
RT: 9.533 min Scan# 2548  
Delta R.T. -0.003 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37



Tgt Ion:131 Resp: 42474  
Ion Ratio Lower Upper  
131 100  
133 93.0 78.3 117.5  
119 66.0 53.2 79.8





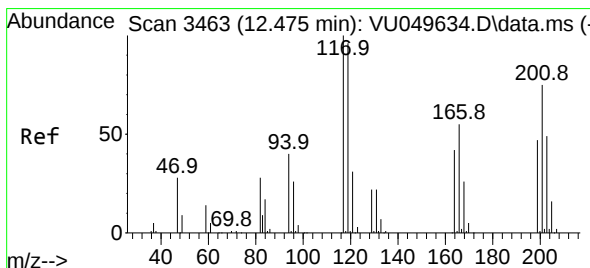
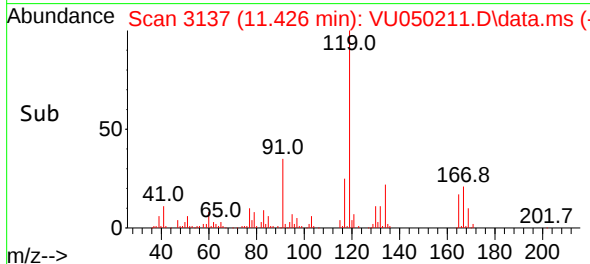
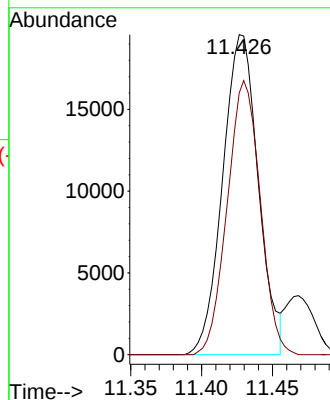
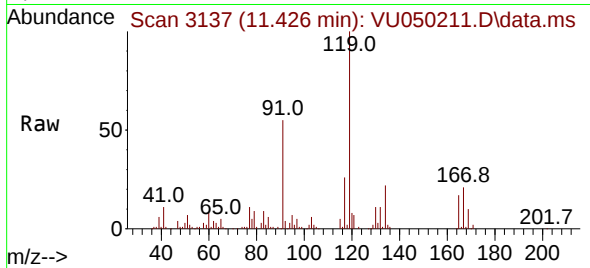
#61  
Pentachloroethane  
Concen: 6.145 ug/l  
RT: 11.426 min Scan# 3138  
Delta R.T. -0.003 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005

Tgt Ion:117 Resp: 34240  
Ion Ratio Lower Upper  
117 100  
167 79.4 66.2 99.4

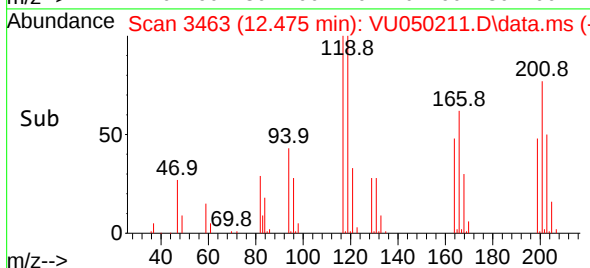
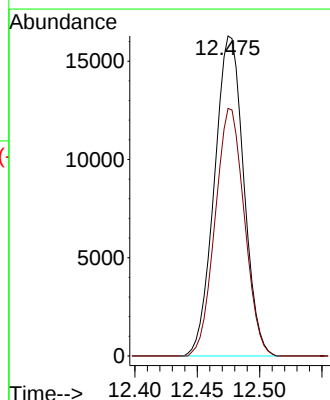
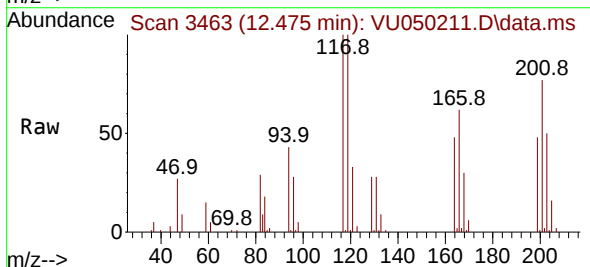
Manual Integrations  
APPROVED

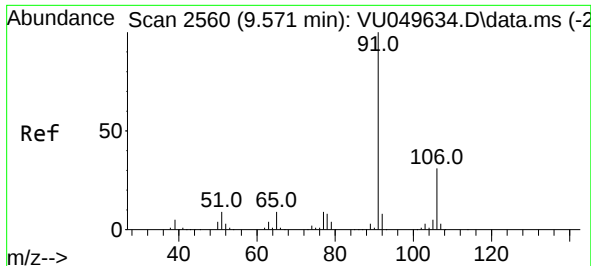
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#62  
Hexachloroethane  
Concen: 4.780 ug/l  
RT: 12.475 min Scan# 3463  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Tgt Ion:117 Resp: 26676  
Ion Ratio Lower Upper  
117 100  
201 77.1 61.0 91.4





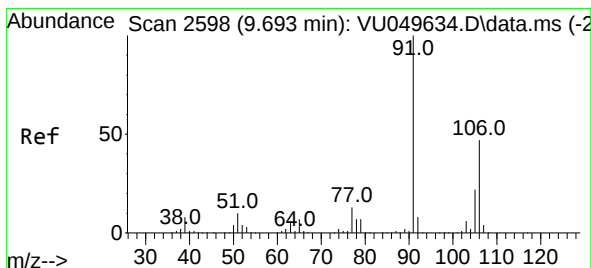
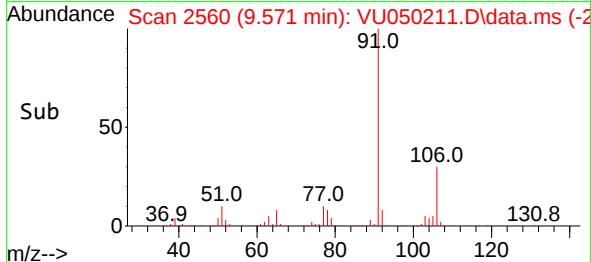
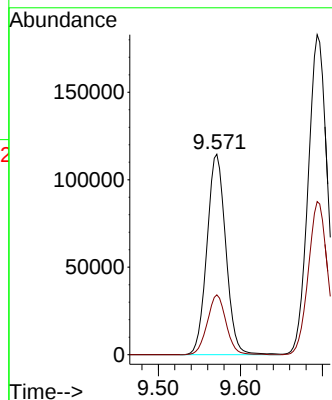
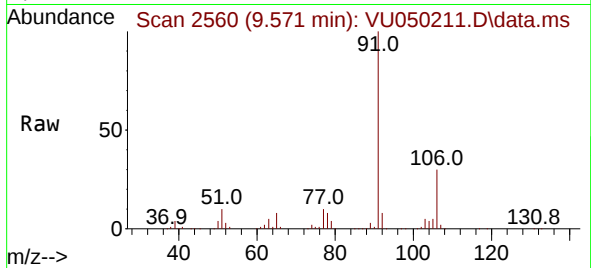
#63  
Ethyl Benzene  
Concen: 4.983 ug/l  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005

Tgt Ion: 91 Resp: 182978  
Ion Ratio Lower Upper  
91 100  
106 29.8 24.4 36.6

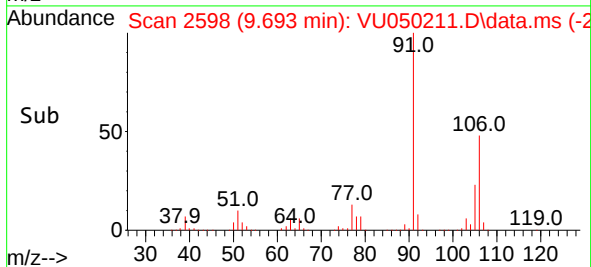
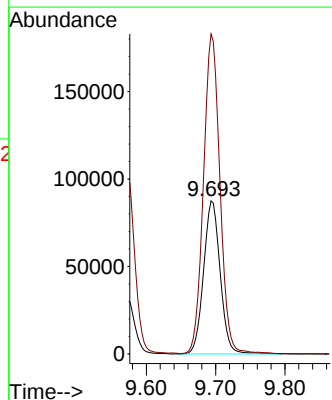
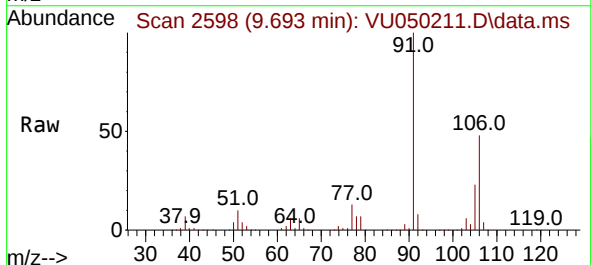
Manual Integrations  
APPROVED

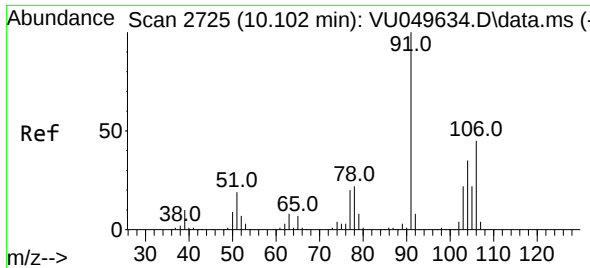
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#64  
m/p-Xylenes  
Concen: 10.686 ug/l  
RT: 9.693 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Tgt Ion:106 Resp: 145165  
Ion Ratio Lower Upper  
106 100  
91 207.9 167.8 251.6





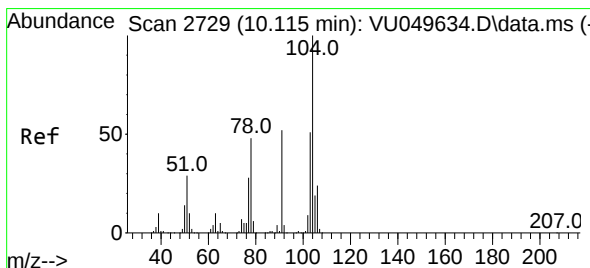
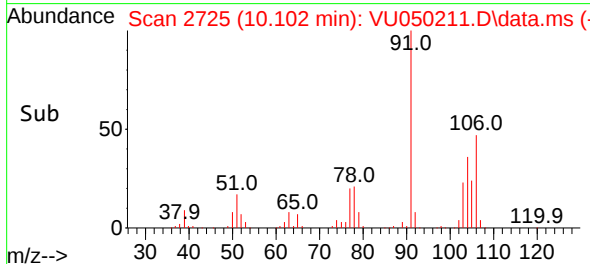
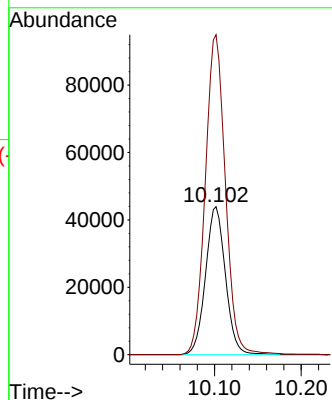
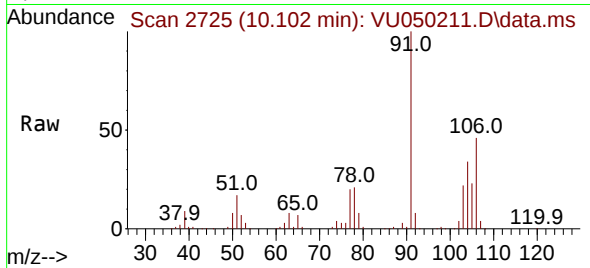
#65  
o-Xylene  
Concen: 5.254 ug/l  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion:106 Resp: 7015  
Ion Ratio Lower Upper  
106 100  
91 218.6 111.1 333.2

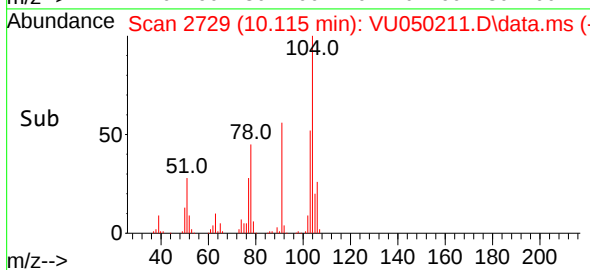
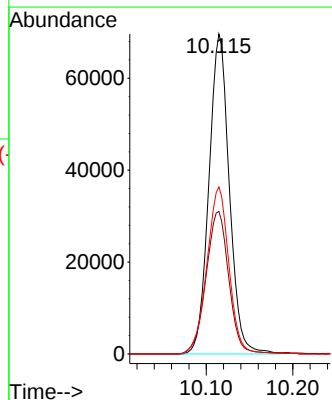
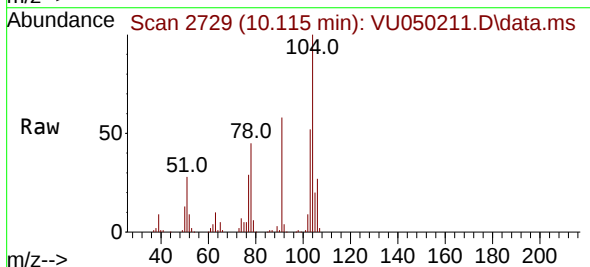
Manual Integrations  
APPROVED

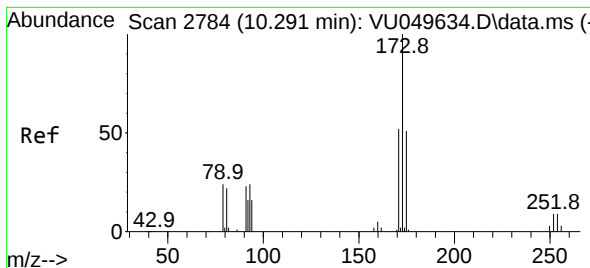
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#66  
Styrene  
Concen: 5.320 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Tgt Ion:104 Resp: 114123  
Ion Ratio Lower Upper  
104 100  
78 49.7 42.1 63.1  
103 56.4 44.5 66.7





#67

Bromoform

Concen: 6.092 ug/l

RT: 10.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

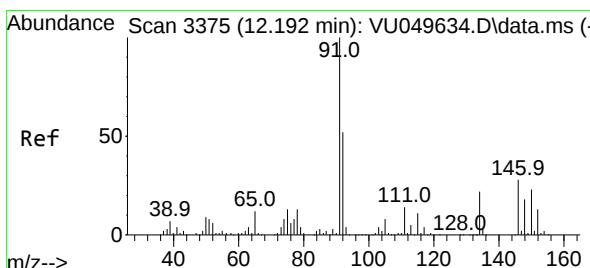
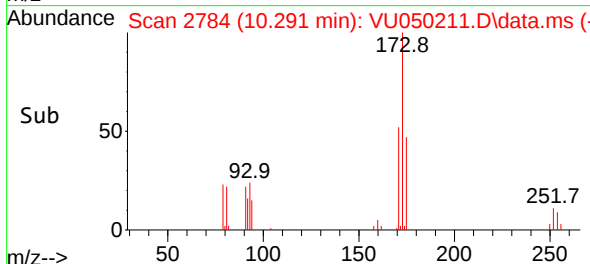
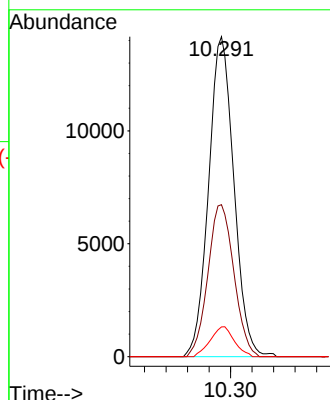
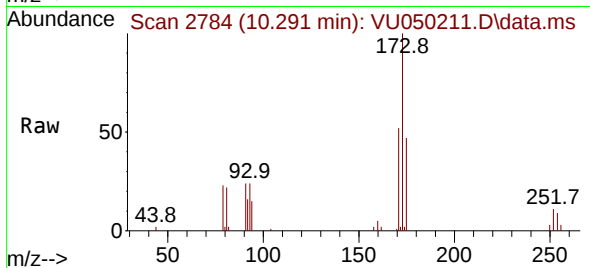
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 2308      |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 48.8  | 38.4 57.6 |
| 254         | 8.9   | 7.7 11.5  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/11/2022

Supervised By :Mahesh Dadoda 08/11/2022



#68

1,2-Dichlorobenzene-d4

Concen: 1.051 ug/l

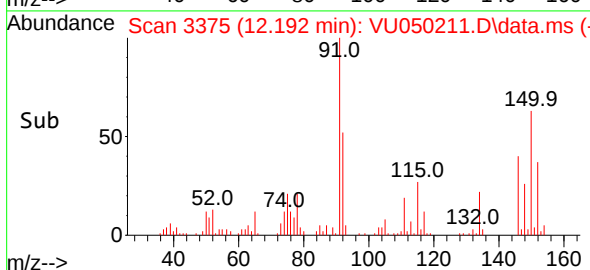
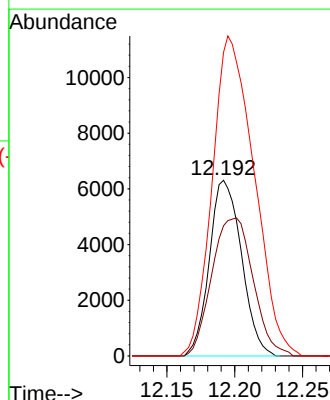
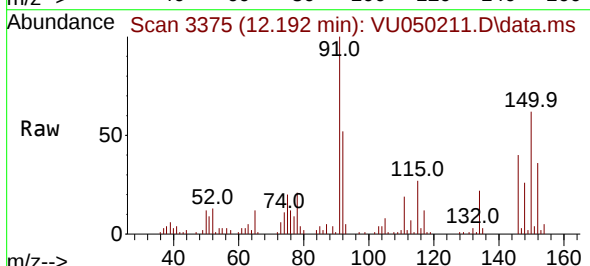
RT: 12.192 min Scan# 3375

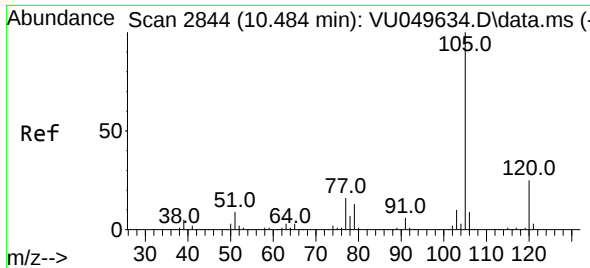
Delta R.T. 0.000 min

Lab File: VU050211.D

Acq: 10 Aug 2022 10:37

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 10410     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 100.6 | 0.0 254.6 |
| 150         | 236.4 | 0.0 623.6 |





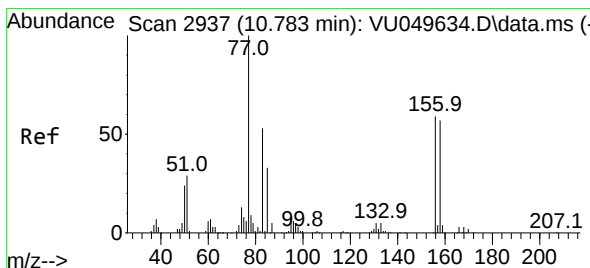
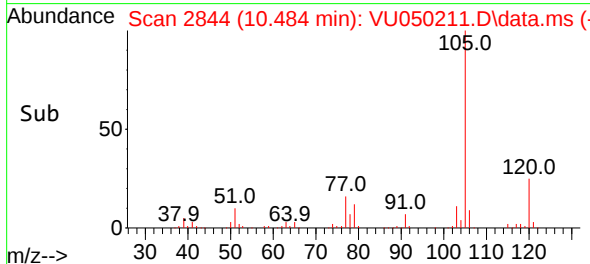
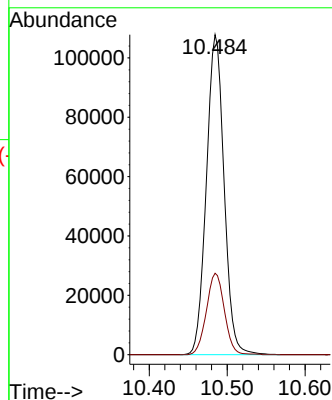
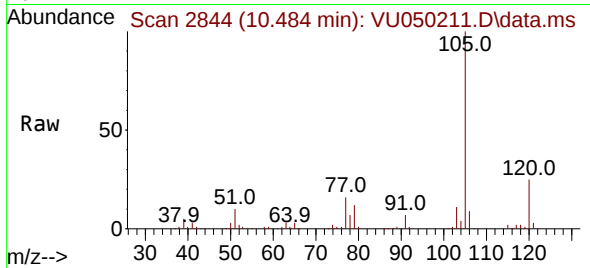
#69  
Isopropylbenzene  
Concen: 4.775 ug/l  
RT: 10.484 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion:105 Resp: 170294  
Ion Ratio Lower Upper  
105 100  
120 25.9 12.6 37.8

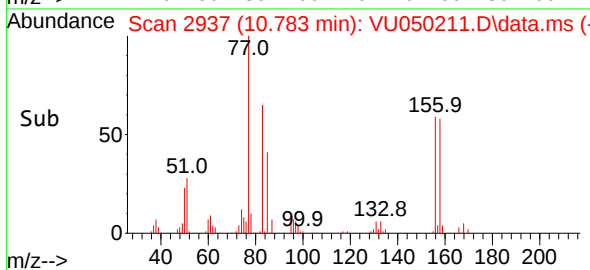
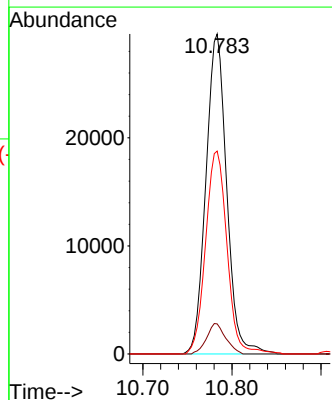
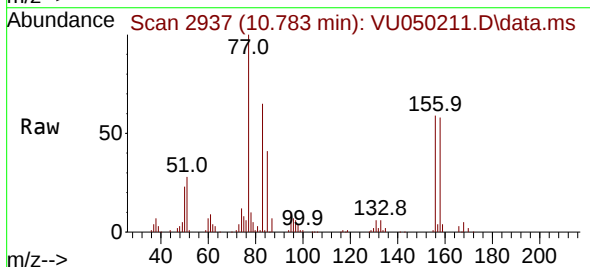
Manual Integrations  
APPROVED

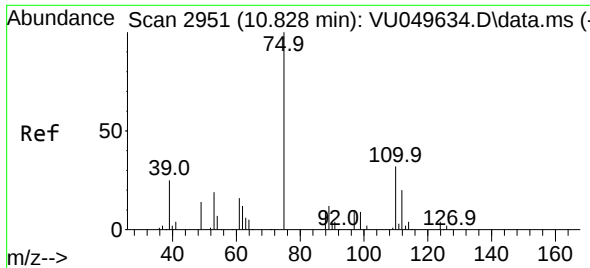
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#70  
1,1,2,2-Tetrachloroethane  
Concen: 6.330 ug/l  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

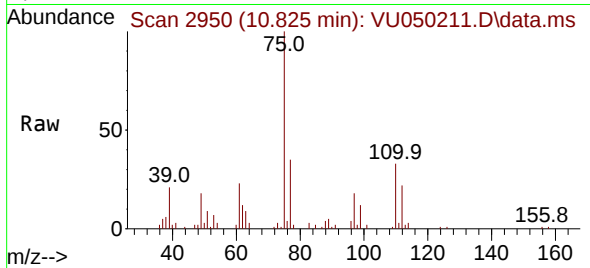
Tgt Ion: 83 Resp: 47814  
Ion Ratio Lower Upper  
83 100  
131 8.7 7.7 11.5  
85 65.5 51.2 76.8





#71  
1,2,3-Trichloropropane  
Concen: 5.971 ug/l m  
RT: 10.825 min Scan# 2951  
Delta R.T. -0.003 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

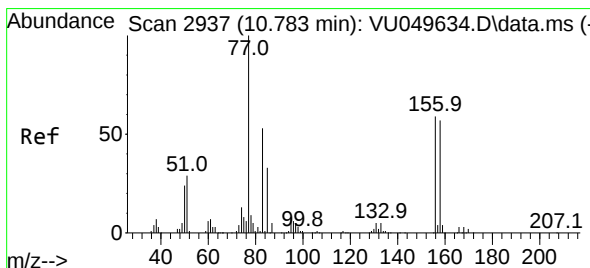
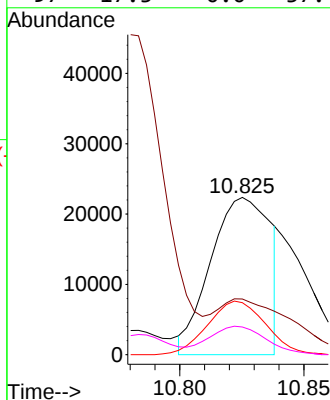
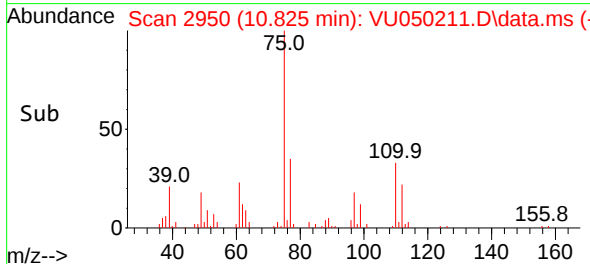
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



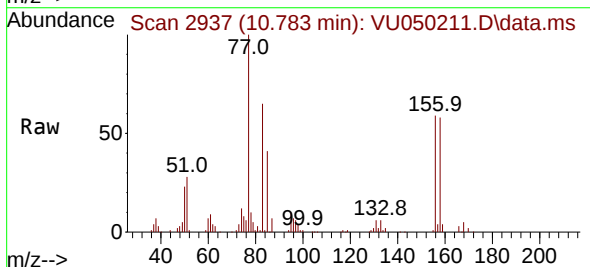
Tgt Ion: 75 Resp: 3734  
Ion Ratio Lower Upper  
75 100  
77 43.8 0.0 112.4  
110 33.2 0.0 70.6  
97 17.3 0.0 37.4

Manual Integrations  
APPROVED

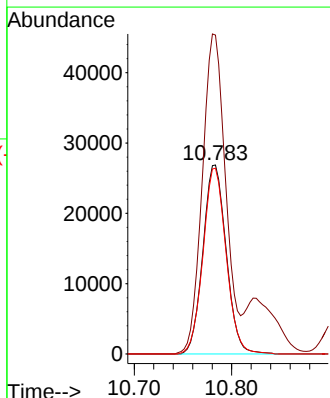
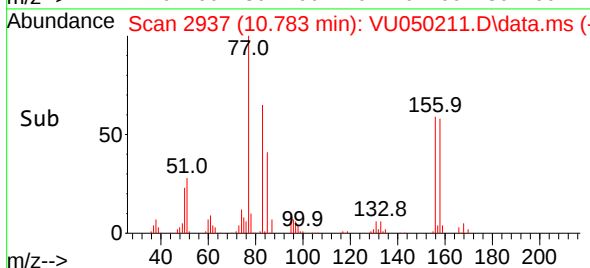
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022

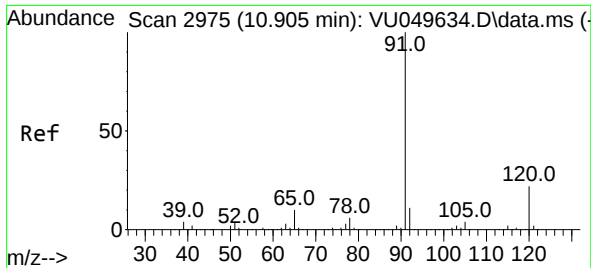


#72  
Bromobenzene  
Concen: 5.541 ug/l  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37



Tgt Ion:156 Resp: 44527  
Ion Ratio Lower Upper  
156 100  
77 169.4 0.0 344.4  
158 97.9 0.0 192.2





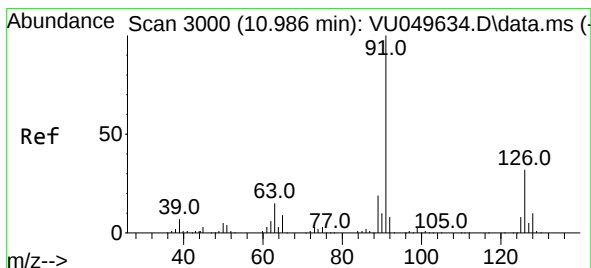
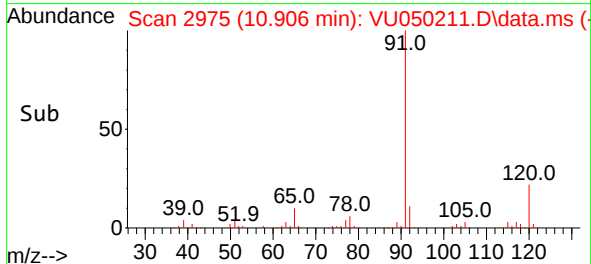
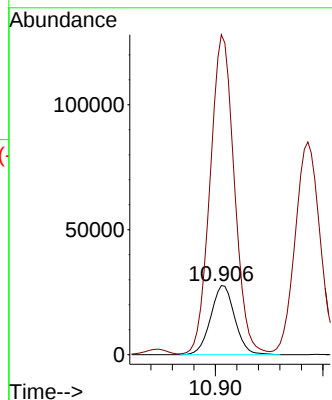
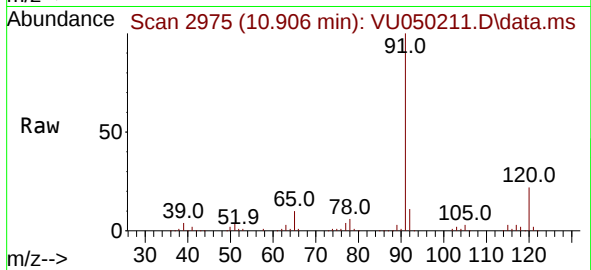
#73  
n-propylbenzene  
Concen: 4.777 ug/l  
RT: 10.906 min Scan# 2975  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion:120 Resp: 42985  
Ion Ratio Lower Upper  
120 100  
91 463.2 367.8 551.6

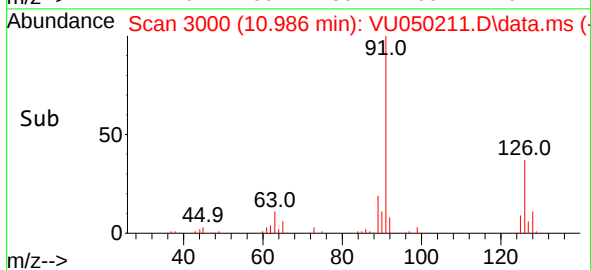
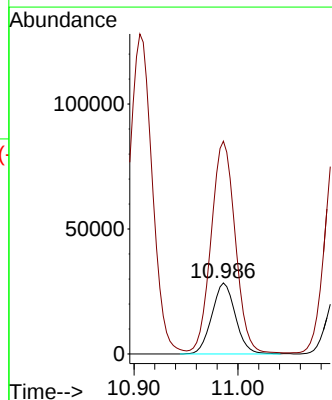
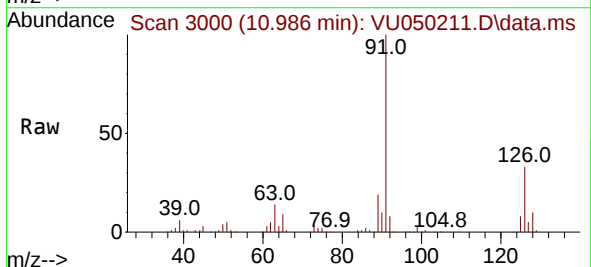
Manual Integrations  
APPROVED

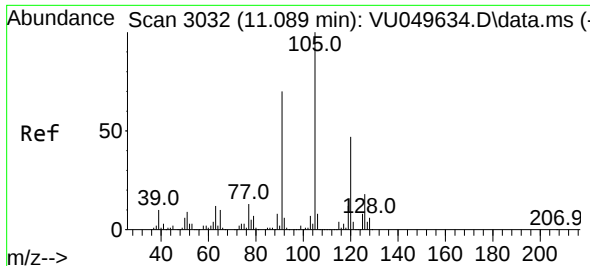
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#74  
2-Chlorotoluene  
Concen: 5.569 ug/l  
RT: 10.986 min Scan# 3000  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

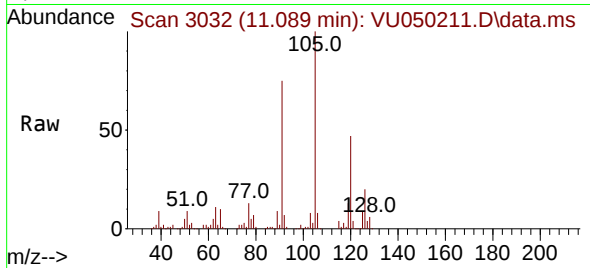
Tgt Ion:126 Resp: 44687  
Ion Ratio Lower Upper  
126 100  
91 306.3 0.0 620.6





#75  
1,3,5-Trimethylbenzene  
Concen: 5.165 ug/l  
RT: 11.089 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

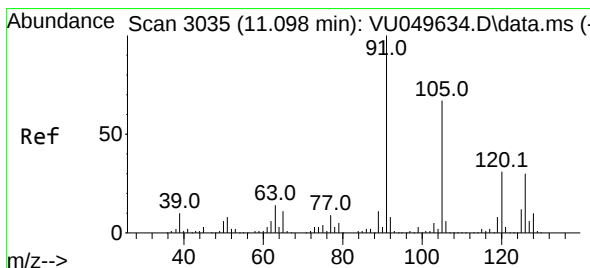
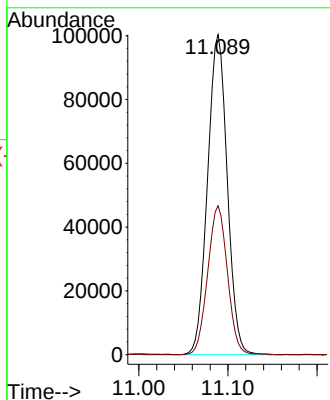
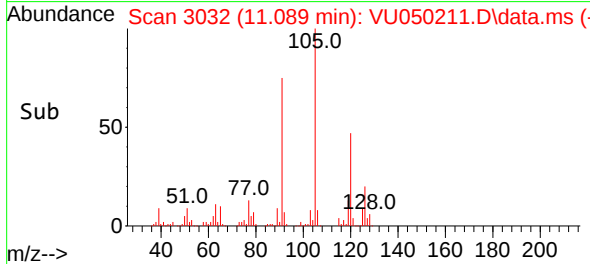
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



Tgt Ion:105 Resp: 15398  
Ion Ratio Lower Upper  
105 100  
120 46.6 37.6 56.4

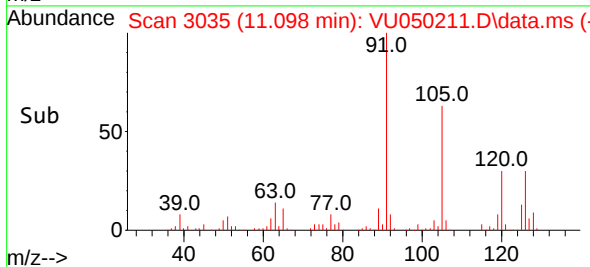
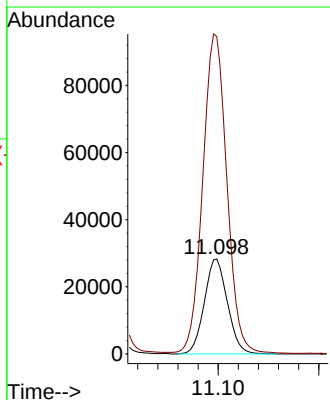
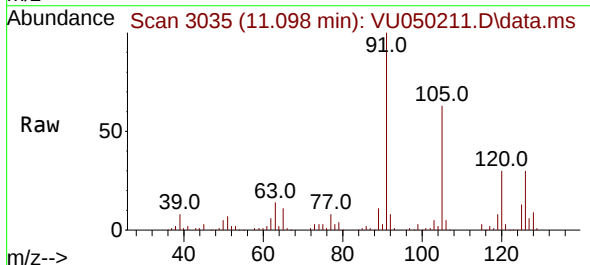
Manual Integrations  
APPROVED

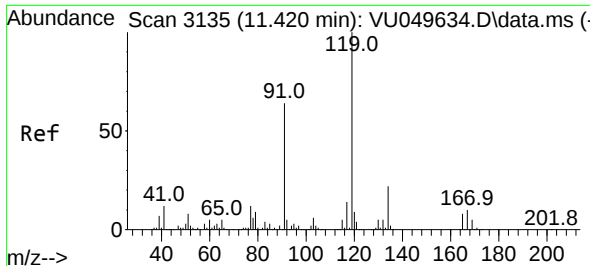
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#76  
4-Chlorotoluene  
Concen: 5.597 ug/l  
RT: 11.098 min Scan# 3035  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

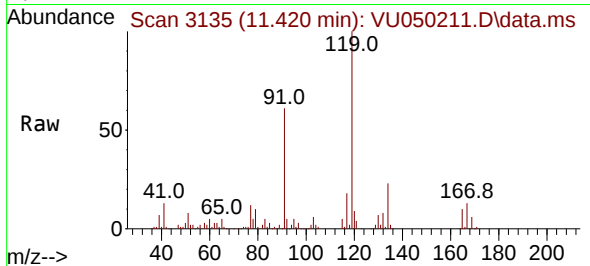
Tgt Ion:126 Resp: 45042  
Ion Ratio Lower Upper  
126 100  
91 351.5 0.0 738.8





#77  
tert-Butylbenzene  
Concen: 4.881 ug/l  
RT: 11.420 min Scan# 3135  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

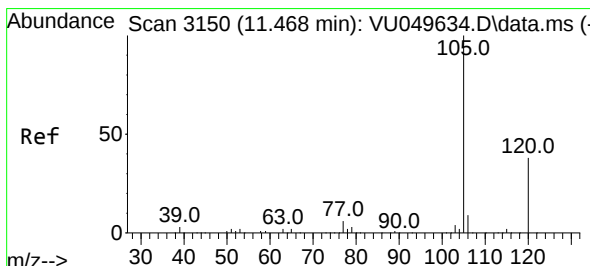
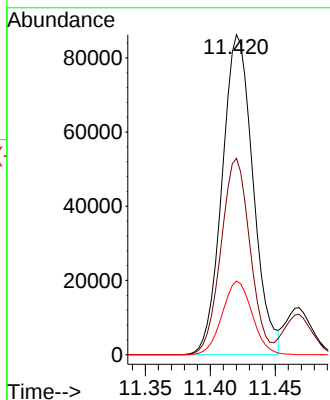
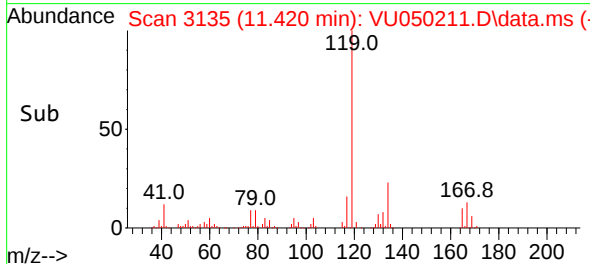
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



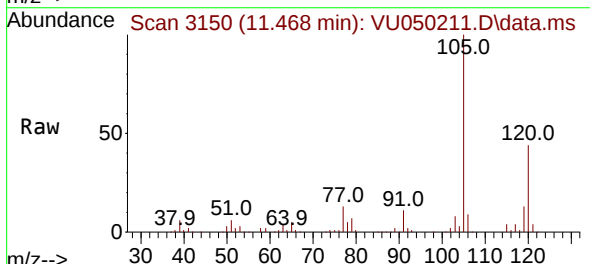
Tgt Ion:119 Resp: 143270  
Ion Ratio Lower Upper  
119 100  
91 57.8 30.4 91.3  
134 22.2 17.8 26.6

Manual Integrations  
APPROVED

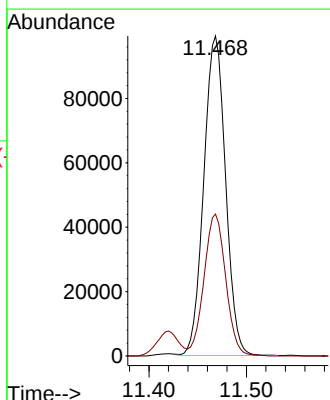
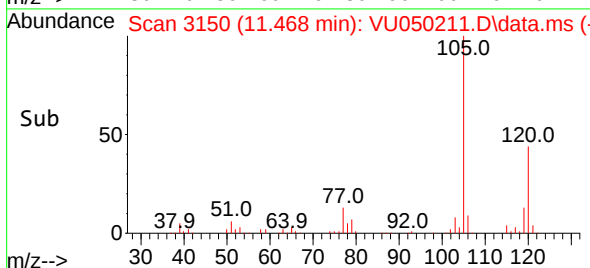
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022

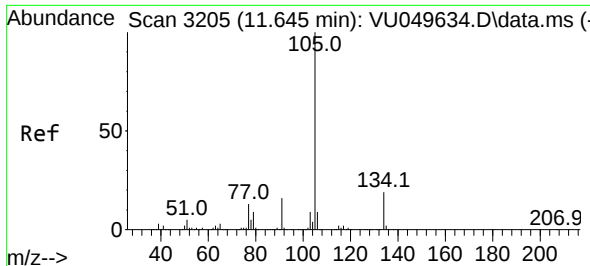


#78  
1,2,4-Trimethylbenzene  
Concen: 5.152 ug/l  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37



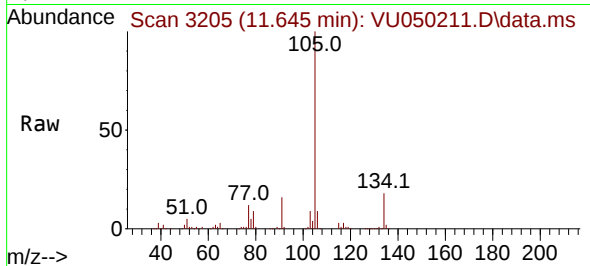
Tgt Ion:105 Resp: 154187  
Ion Ratio Lower Upper  
105 100  
120 44.3 21.6 65.0





#79  
 sec-Butylbenzene  
 Concen: 4.603 ug/l  
 RT: 11.645 min Scan# 3205  
 Delta R.T. 0.000 min  
 Lab File: VU050211.D  
 Acq: 10 Aug 2022 10:37

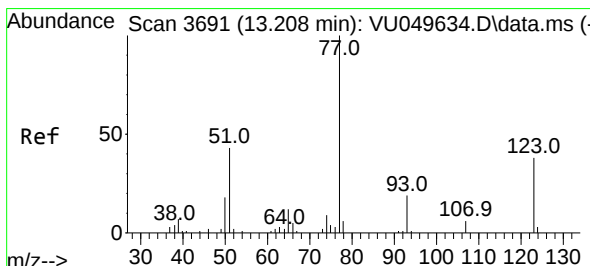
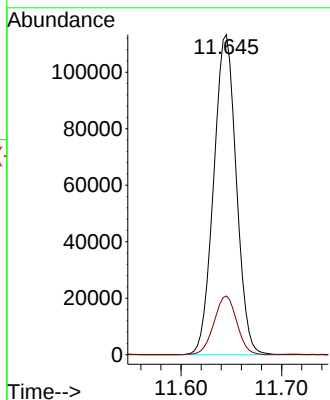
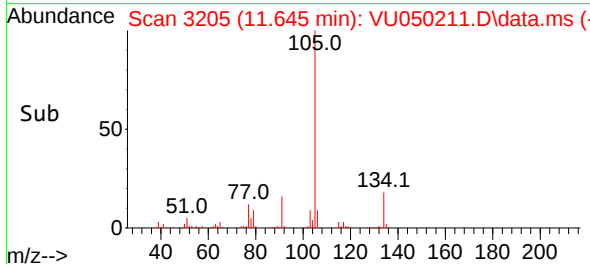
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005



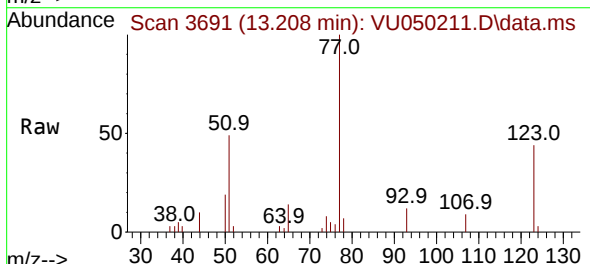
Tgt Ion:105 Resp: 17721  
 Ion Ratio Lower Upper  
 105 100  
 134 18.5 15.4 23.0

Manual Integrations  
 APPROVED

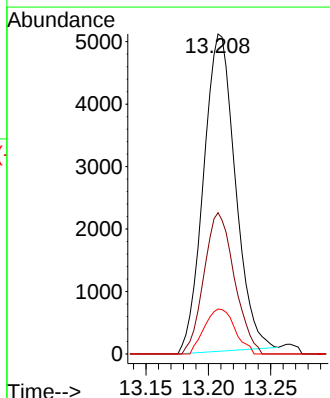
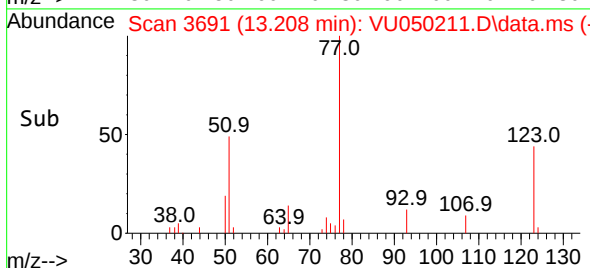
Reviewed By :John Carlone 08/11/2022  
 Supervised By :Mahesh Dadoda 08/11/2022

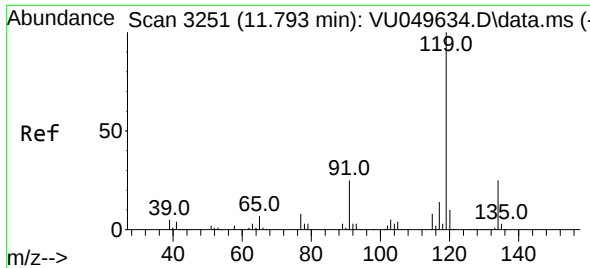


#80  
 Nitrobenzene  
 Concen: 29.157 ug/l  
 RT: 13.208 min Scan# 3691  
 Delta R.T. 0.000 min  
 Lab File: VU050211.D  
 Acq: 10 Aug 2022 10:37



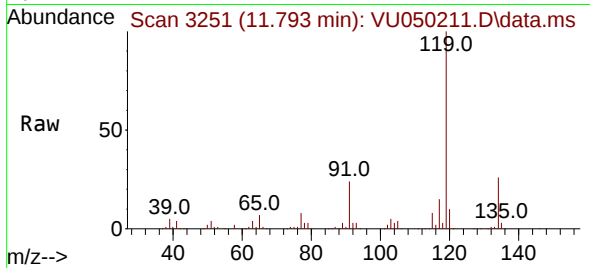
Tgt Ion: 77 Resp: 9010  
 Ion Ratio Lower Upper  
 77 100  
 123 42.6 18.1 64.3  
 65 13.5 10.8 13.8





#81  
p-Isopropyltoluene  
Concen: 4.502 ug/l  
RT: 11.793 min Scan# 3251  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

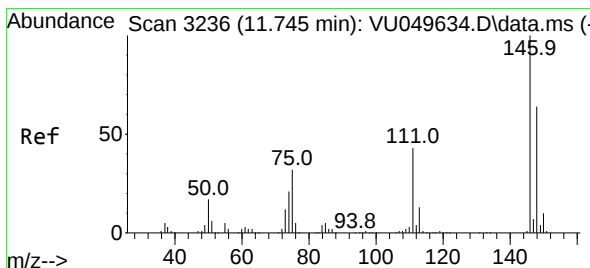
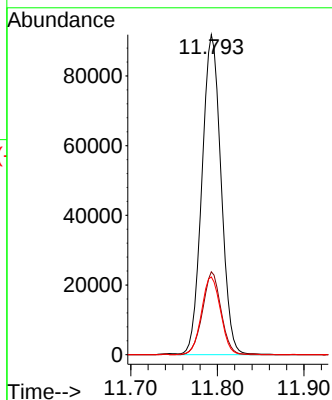
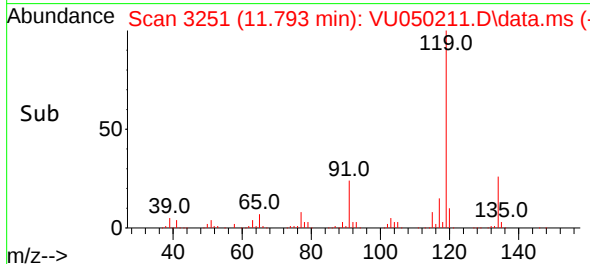
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



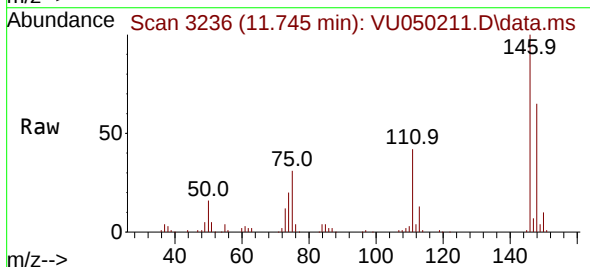
Tgt Ion:119 Resp: 140619  
Ion Ratio Lower Upper  
119 100  
134 25.0 20.5 30.7  
91 24.2 19.8 29.6

Manual Integrations  
APPROVED

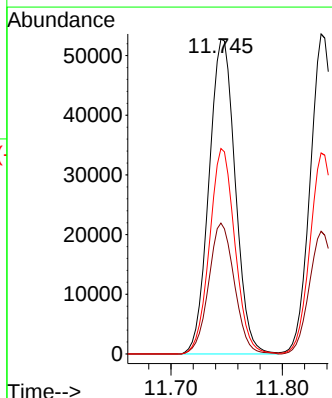
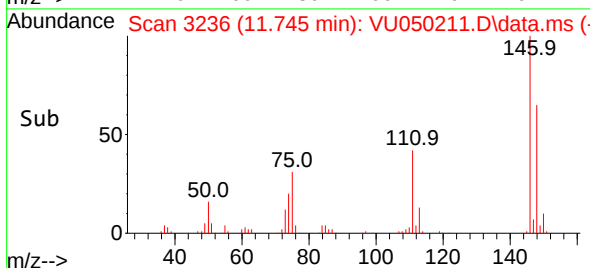
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022

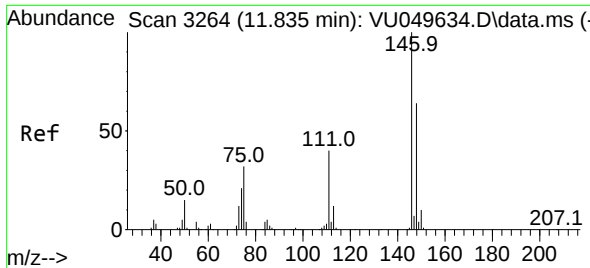


#82  
1,3-Dichlorobenzene  
Concen: 5.560 ug/l  
RT: 11.745 min Scan# 3236  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37



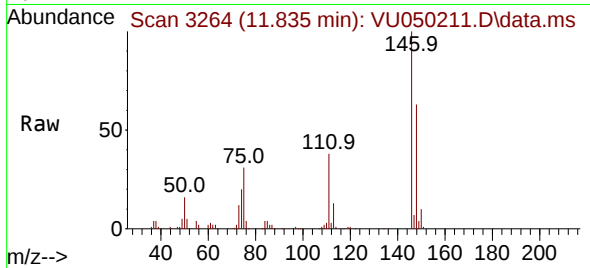
Tgt Ion:146 Resp: 86429  
Ion Ratio Lower Upper  
146 100  
111 40.7 33.4 50.2  
148 63.2 51.2 76.8





#83  
1,4-Dichlorobenzene  
Concen: 5.365 ug/l  
RT: 11.835 min Scan# 3264  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

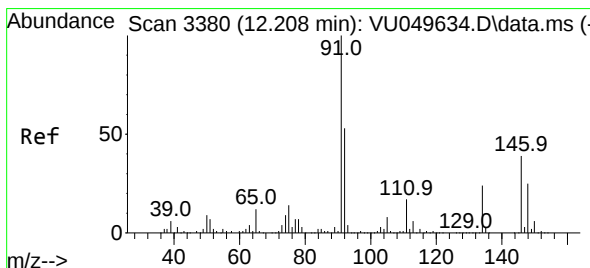
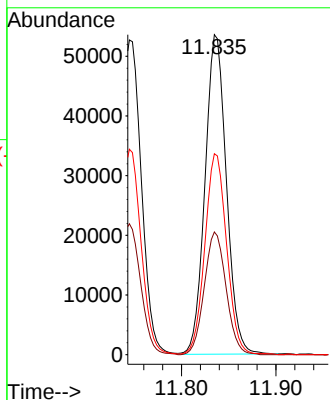
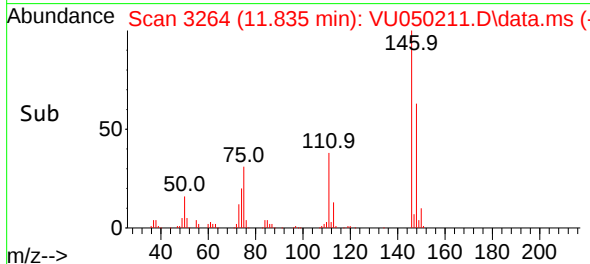
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



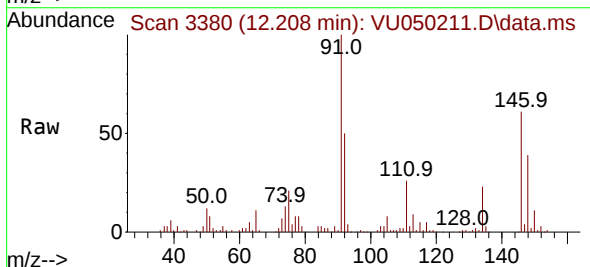
Tgt Ion:146 Resp: 84164  
Ion Ratio Lower Upper  
146 100  
111 39.2 32.6 49.0  
148 64.2 51.6 77.4

Manual Integrations  
APPROVED

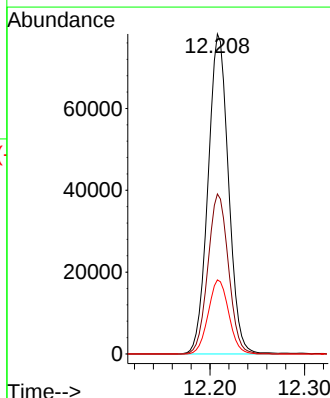
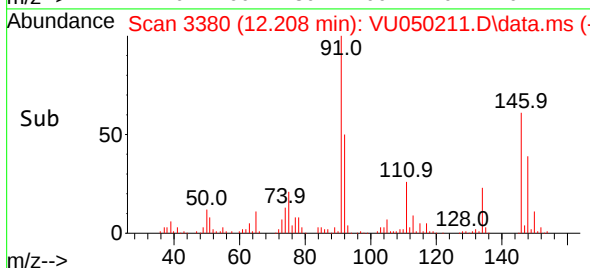
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022

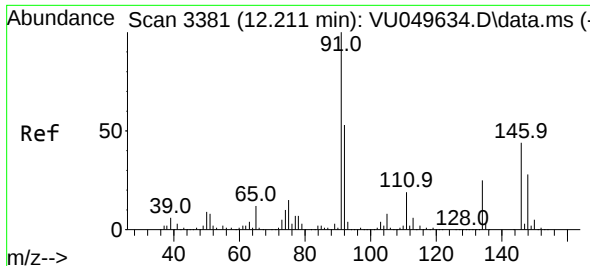


#84  
n-Butylbenzene  
Concen: 4.038 ug/l  
RT: 12.208 min Scan# 3380  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37



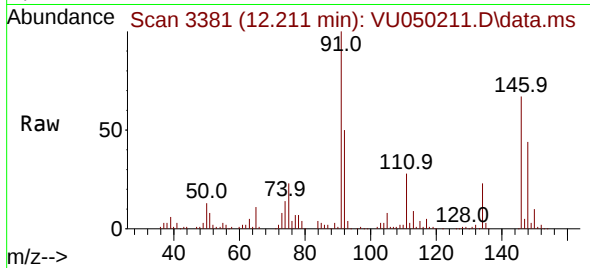
Tgt Ion: 91 Resp: 117441  
Ion Ratio Lower Upper  
91 100  
92 50.4 42.3 63.5  
134 23.2 19.6 29.4





#85  
1,2-Dichlorobenzene  
Concen: 5.535 ug/l  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

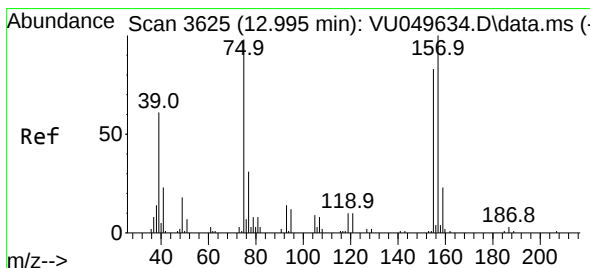
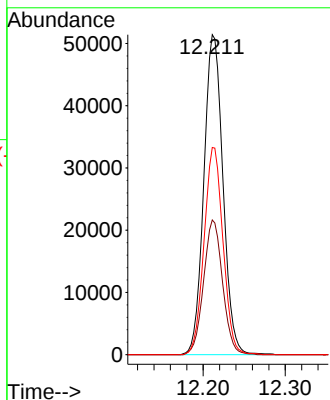
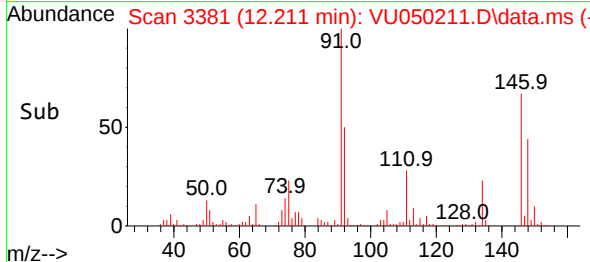
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



Tgt Ion:146 Resp: 8335  
Ion Ratio Lower Upper  
146 100  
111 41.8 22.1 66.1  
148 64.3 32.1 96.3

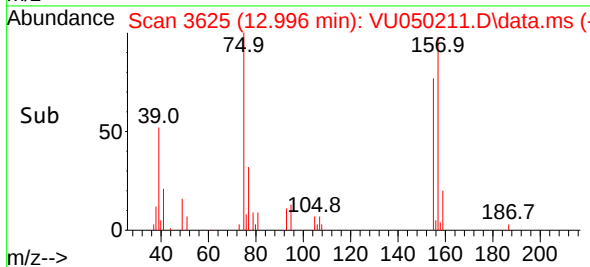
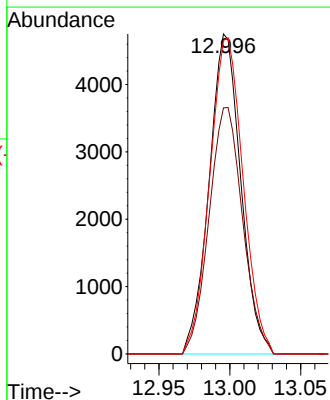
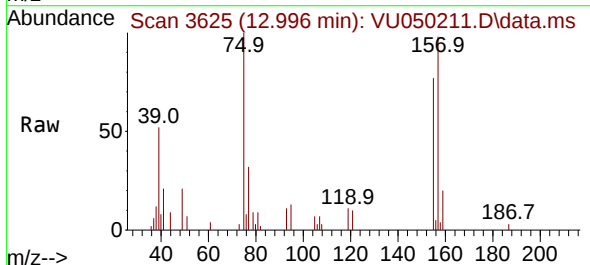
Manual Integrations  
APPROVED

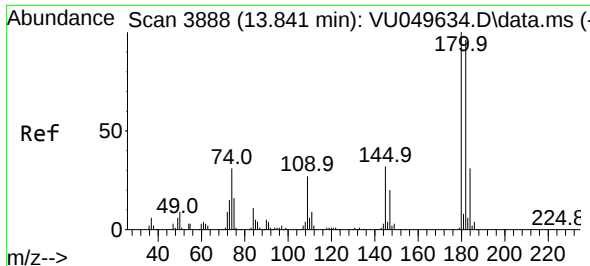
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 5.603 ug/l  
RT: 12.996 min Scan# 3625  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

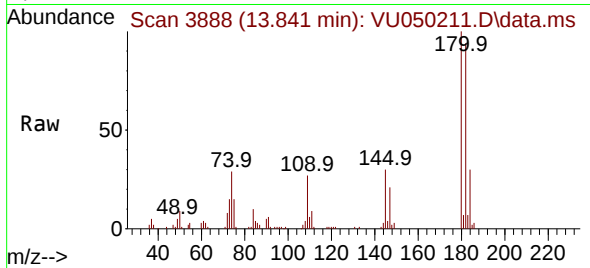
Tgt Ion: 75 Resp: 7381  
Ion Ratio Lower Upper  
75 100  
155 81.5 66.8 100.2  
157 104.1 83.8 125.8





#87  
1,2,4-Trichlorobenzene  
Concen: 4.516 ug/l  
RT: 13.841 min Scan# 3888  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

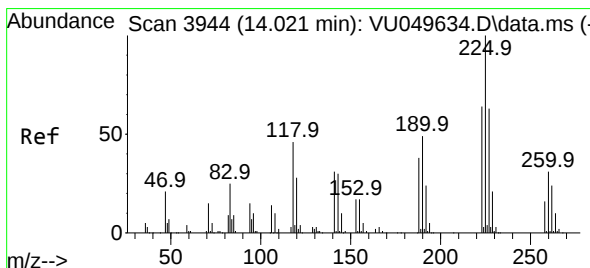
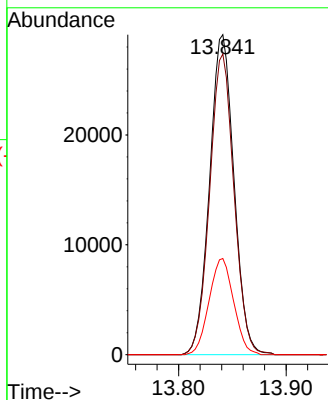
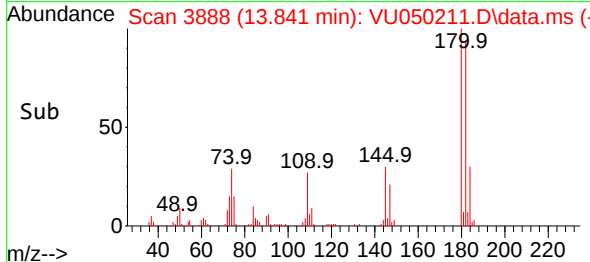
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



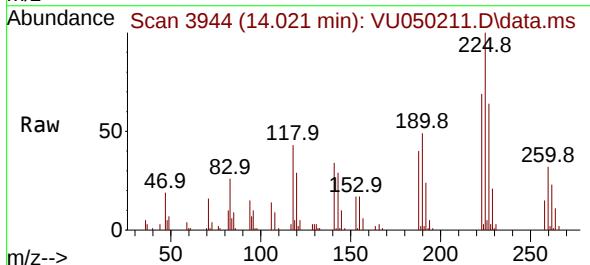
Tgt Ion:180 Resp: 4588  
Ion Ratio Lower Upper  
180 100  
182 93.7 77.0 115.6  
145 30.3 25.7 38.5

Manual Integrations  
APPROVED

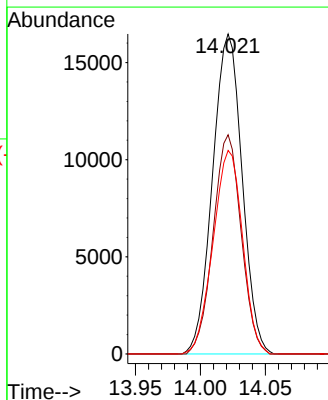
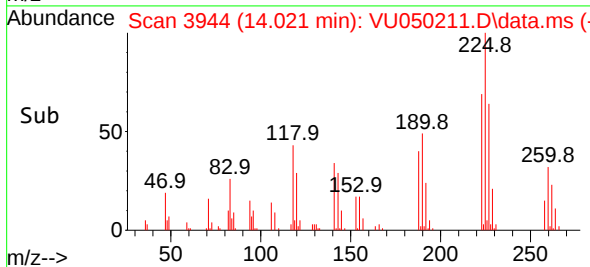
Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022

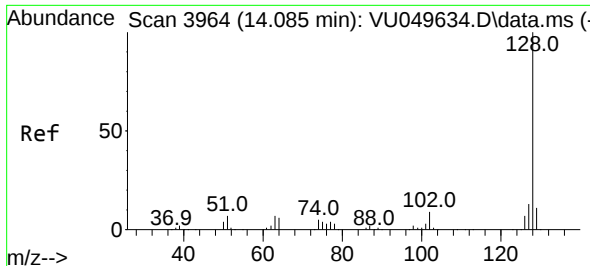


#88  
Hexachlorobutadiene  
Concen: 5.028 ug/l  
RT: 14.021 min Scan# 3944  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37



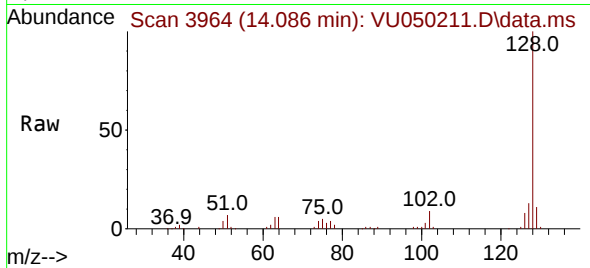
Tgt Ion:225 Resp: 26034  
Ion Ratio Lower Upper  
225 100  
223 65.0 50.6 76.0  
227 63.4 50.7 76.1





#89  
Naphthalene  
Concen: 4.240 ug/l  
RT: 14.086 min Scan# 3964  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37

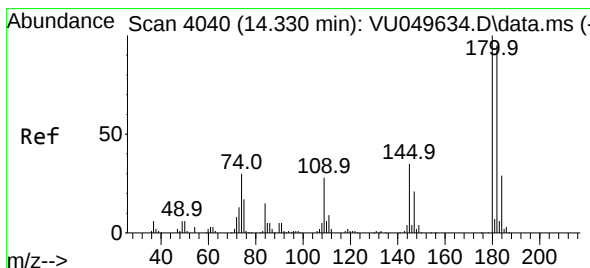
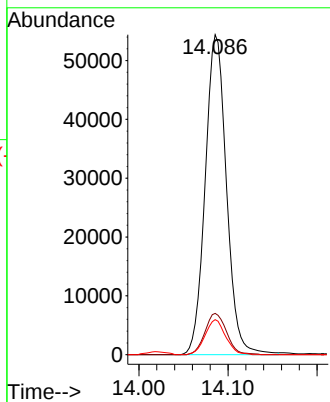
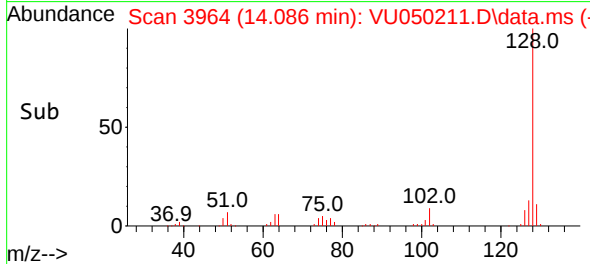
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005



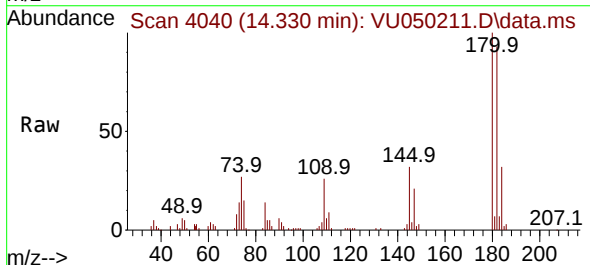
Tgt Ion:128 Resp: 90319  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.1 15.1  
129 10.5 8.6 12.8

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/11/2022  
Supervised By :Mahesh Dadoda 08/11/2022



#90  
1,2,3-Trichlorobenzene  
Concen: 4.859 ug/l  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU050211.D  
Acq: 10 Aug 2022 10:37



Tgt Ion:180 Resp: 47141  
Ion Ratio Lower Upper  
180 100  
182 95.3 76.6 114.8  
145 31.7 27.3 40.9

