

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031822\  
 Data File : VU047620.D  
 Acq On : 18 Mar 2022 17:45  
 Operator : SY/MD  
 Sample : N1645-07 0.25PPB  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2022

Quant Time: Mar 19 08:54:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U031822DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Sat Mar 19 08:54:43 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/31/2022  
 Supervised By : Mahesh Dadoda 03/31/2022

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.118  | 96   | 28637    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.635 | 95   | 9056     | 0.848 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 85.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.195 | 152  | 12079    | 0.933 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 93.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.385  | 85   | 1573     | 0.152 | ug/l    | 93       |
| 3) Chloromethane             | 1.533  | 50   | 2062     | 0.204 | ug/l    | 95       |
| 4) Vinyl Chloride            | 1.607  | 62   | 1872     | 0.191 | ug/l    | 94       |
| 5) Bromomethane              | 1.861  | 94   | 963      | 0.167 | ug/l #  | 80       |
| 6) Chloroethane              | 1.938  | 64   | 1168     | 0.199 | ug/l    | 96       |
| 7) Trichlorofluoromethane    | 2.144  | 101  | 2709     | 0.200 | ug/l    | 97       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.584  | 101  | 1372     | 0.177 | ug/l #  | 85       |
| 9) 1,1-Dichloroethene        | 2.587  | 96   | 1561     | 0.204 | ug/l    | 80       |
| 10) Iodomethane              | 2.726  | 142  | 491      | 0.157 | ug/l    | 99       |
| 11) Allyl Chloride           | 2.928  | 41   | 2182     | 0.227 | ug/l    | 97       |
| 12) Acrylonitrile            | 3.324  | 53   | 712      | 0.421 | ug/l    | 96       |
| 13) Acetone                  | 2.645  | 43   | 1607     | 1.398 | ug/l #  | 85       |
| 14) Carbon Disulfide         | 2.796  | 76   | 5015     | 0.207 | ug/l    | 96       |
| 15) Methylene Chloride       | 3.050  | 84   | 3847     | 0.345 | ug/l    | 90       |
| 16) trans-1,2-Dichloroethene | 3.356  | 96   | 1557     | 0.193 | ug/l    | 93       |
| 17) 1,1-Dichloroethane       | 3.874  | 63   | 2815     | 0.206 | ug/l #  | 82       |
| 18) 2-Butanone               | 4.755  | 43   | 1853     | 1.035 | ug/l    | 77       |
| 19) Cyclohexane              | 5.388  | 56   | 1909     | 0.186 | ug/l #  | 92       |
| 20) Methylcyclohexane        | 6.764  | 83   | 2015     | 0.171 | ug/l    | 92       |
| 21) 2,2-Dichloropropane      | 4.668  | 77   | 2221     | 0.185 | ug/l    | 94       |
| 22) cis-1,2-Dichloroethene   | 4.668  | 96   | 1447m    | 0.165 | ug/l    |          |
| 23) Diethyl Ether            | 2.385  | 59   | 1112     | 0.199 | ug/l    | 98       |
| 24) tert-Butyl Alcohol       | 3.237  | 59   | 932m     | 2.415 | ug/l    |          |
| 25) Methyl tert-Butyl Ether  | 3.375  | 73   | 3661     | 0.196 | ug/l #  | 76       |
| 26) Bromochloromethane       | 4.986  | 128  | 691      | 0.156 | ug/l    | 89       |
| 27) Chloroform               | 5.092  | 83   | 3446     | 0.233 | ug/l    | 100      |
| 28) 1,1,1-Trichloroethane    | 5.320  | 97   | 2376     | 0.185 | ug/l    | 96       |
| 29) 1,1-Dichloropropene      | 5.533  | 75   | 1936     | 0.186 | ug/l    | 97       |
| 30) Carbon Tetrachloride     | 5.526  | 117  | 2148     | 0.188 | ug/l #  | 81       |
| 31) Isopropyl Ether          | 4.002  | 45   | 3453     | 0.190 | ug/l    | 81       |
| 32) Ethyl-t-butyl ether      | 4.513  | 59   | 3130     | 0.171 | ug/l    | 92       |
| 33) Tert-Amyl methyl ether   | 5.951  | 73   | 3111     | 0.181 | ug/l #  | 93       |
| 34) Propionitrile            | 4.838  | 54   | 341m     | 0.705 | ug/l    |          |
| 35) Benzene                  | 5.777  | 78   | 6256     | 0.201 | ug/l    | 100      |
| 36) 1,2-Dichloroethane       | 5.806  | 62   | 1766     | 0.188 | ug/l #  | 90       |
| 37) Trichloroethene          | 6.542  | 130  | 1745     | 0.194 | ug/l    | 87       |
| 38) 1,2-Dichloropropane      | 6.796  | 63   | 1364     | 0.170 | ug/l    | 99       |
| 39) Methacrylonitrile        | 4.989  | 41   | 350      | 0.156 | ug/l #  | 55       |
| 40) Methyl acrylate          | 4.867  | 55   | 524      | 0.138 | ug/l #  | 70       |
| 41) Tetrahydrofuran          | 5.076  | 42   | 541m     | 0.475 | ug/l    |          |
| 42) 1-Chlorobutane           | 5.459  | 56   | 2362     | 0.176 | ug/l    | 94       |
| 43) Dibromomethane           | 6.922  | 93   | 812      | 0.169 | ug/l #  | 69       |
| 44) Bromodichloromethane     | 7.111  | 83   | 2271     | 0.204 | ug/l #  | 97       |

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 Sample : N1645-07 0.25PPB  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2022

Quant Time: Mar 19 08:54:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U031822DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Sat Mar 19 08:54:43 2022  
 Response via : Initial Calibration

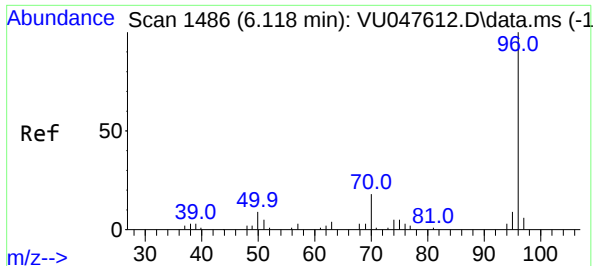
Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/31/2022  
 Supervised By : Mahesh Dadoda 03/31/2022

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.803  | 43   | 4425     | 0.922 | ug/l   | 94       |
| 46) t-1,4-Dichloro-2-butene   | 10.838 | 75   | 680m     | 0.326 | ug/l   |          |
| 47) Methyl methacrylate       | 6.973  | 69   | 1260     | 0.324 | ug/l   | 91       |
| 48) Ethyl methacrylate        | 8.340  | 69   | 1205     | 0.165 | ug/l   | 86       |
| 49) Toluene                   | 7.973  | 92   | 3604     | 0.189 | ug/l   | 95       |
| 50) t-1,3-Dichloropropene     | 8.214  | 75   | 1653     | 0.160 | ug/l # | 64       |
| 51) cis-1,3-Dichloropropene   | 7.616  | 75   | 1934     | 0.170 | ug/l   | 93       |
| 52) 1,1,2-Trichloroethane     | 8.401  | 97   | 1284     | 0.192 | ug/l   | 95       |
| 53) 1,3-Dichloropropane       | 8.578  | 76   | 2018     | 0.186 | ug/l   | 99       |
| 54) 2-Hexanone                | 8.697  | 43   | 3258     | 0.930 | ug/l   | 93       |
| 55) Dibromochloromethane      | 8.812  | 129  | 1671     | 0.198 | ug/l   | 88       |
| 56) 1,2-Dibromoethane         | 8.928  | 107  | 1206     | 0.181 | ug/l   | 97       |
| 58) Tetrachloroethene         | 8.558  | 164  | 1715     | 0.207 | ug/l   | 85       |
| 59) Chlorobenzene             | 9.452  | 112  | 4105     | 0.184 | ug/l   | 95       |
| 60) 1,1,1,2-Tetrachloroethane | 9.539  | 131  | 1676     | 0.194 | ug/l   | 97       |
| 61) Pentachloroethane         | 11.430 | 117  | 1247     | 0.170 | ug/l # | 73       |
| 62) Hexachloroethane          | 12.478 | 117  | 1206     | 0.166 | ug/l # | 60       |
| 63) Ethyl Benzene             | 9.574  | 91   | 5813     | 0.167 | ug/l   | 100      |
| 64) m/p-Xylenes               | 9.697  | 106  | 4149     | 0.300 | ug/l   | 98       |
| 65) o-Xylene                  | 10.102 | 106  | 2090     | 0.159 | ug/l   | 99       |
| 66) Styrene                   | 10.118 | 104  | 3280     | 0.145 | ug/l   | 92       |
| 67) Bromoform                 | 10.291 | 173  | 971      | 0.173 | ug/l # | 91       |
| 69) Isopropylbenzene          | 10.484 | 105  | 5554     | 0.160 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 1676     | 0.188 | ug/l # | 93       |
| 71) 1,2,3-Trichloropropane    | 10.825 | 75   | 1224m    | 0.174 | ug/l   |          |
| 72) Bromobenzene              | 10.787 | 156  | 1854     | 0.178 | ug/l   | 80       |
| 73) n-propylbenzene           | 10.905 | 120  | 1529     | 0.152 | ug/l   | 92       |
| 74) 2-Chlorotoluene           | 10.986 | 126  | 1293     | 0.140 | ug/l   | 86       |
| 75) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 4332     | 0.147 | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.102 | 126  | 1675     | 0.170 | ug/l   | 65       |
| 77) tert-Butylbenzene         | 11.423 | 119  | 5001     | 0.165 | ug/l   | 89       |
| 78) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 4178     | 0.138 | ug/l   | 94       |
| 79) sec-Butylbenzene          | 11.645 | 105  | 5962     | 0.151 | ug/l   | 96       |
| 80) Nitrobenzene              | 13.224 | 77   | 271      | 0.746 | ug/l # | 42       |
| 81) p-Isopropyltoluene        | 11.793 | 119  | 4421     | 0.133 | ug/l   | 96       |
| 82) 1,3-Dichlorobenzene       | 11.751 | 146  | 3823     | 0.186 | ug/l   | 94       |
| 83) 1,4-Dichlorobenzene       | 11.838 | 146  | 3718     | 0.180 | ug/l   | 93       |
| 84) n-Butylbenzene            | 12.211 | 91   | 5107     | 0.164 | ug/l   | 93       |
| 85) 1,2-Dichlorobenzene       | 12.214 | 146  | 3772     | 0.191 | ug/l   | 95       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.002 | 75   | 233      | 0.155 | ug/l # | 82       |
| 87) 1,2,4-Trichlorobenzene    | 13.844 | 180  | 3021     | 0.214 | ug/l   | 95       |
| 88) Hexachlorobutadiene       | 14.021 | 225  | 1742     | 0.206 | ug/l   | 99       |
| 89) Naphthalene               | 14.089 | 128  | 4983     | 0.208 | ug/l   | 95       |
| 90) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 2905     | 0.219 | ug/l # | 93       |

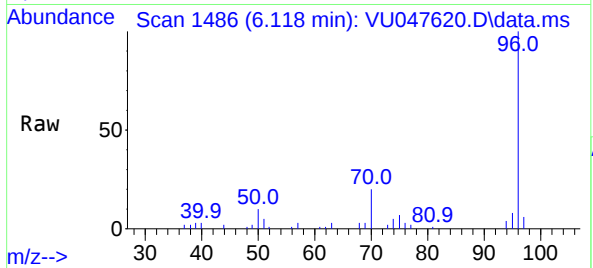
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.118 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022

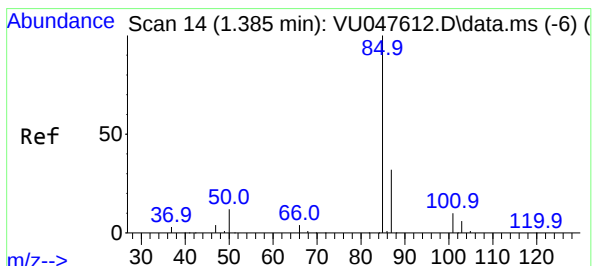
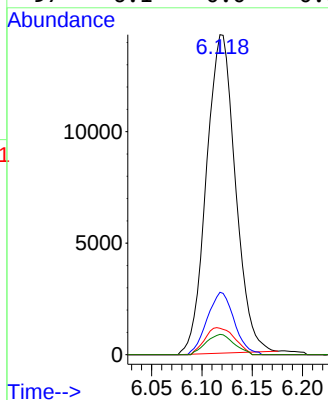
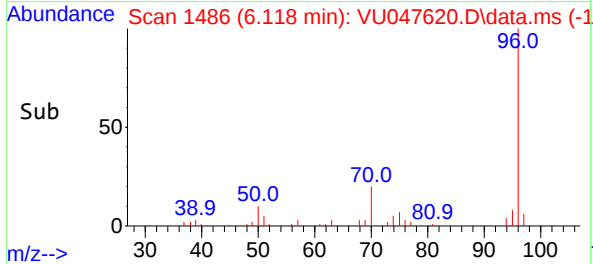


Tgt Ion: 96 Resp: 2863

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 70  | 18.3  | 16.8  | 25.2  |
| 95  | 8.7   | 7.3   | 10.9  |
| 97  | 6.1   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

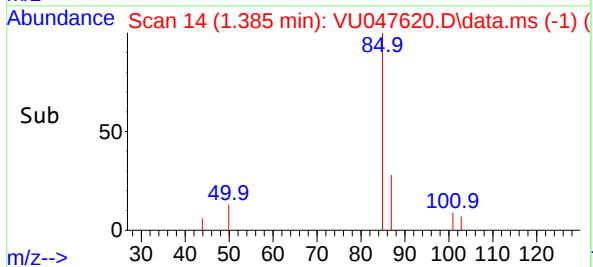
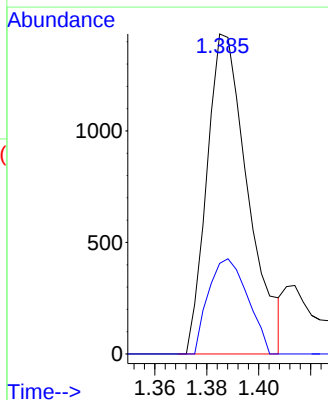
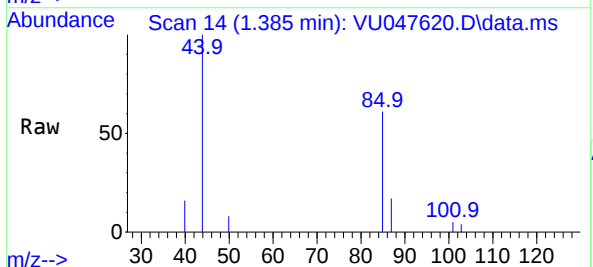
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



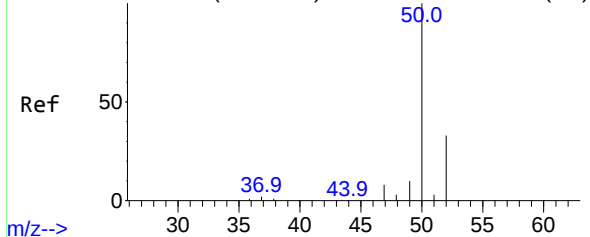
#2  
Dichlorodifluoromethane  
Concen: 0.152 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Tgt Ion: 85 Resp: 1573

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 28.3  | 16.2  | 48.6  |



Abundance Scan 58 (1.527 min): VU047612.D\data.ms (-48)



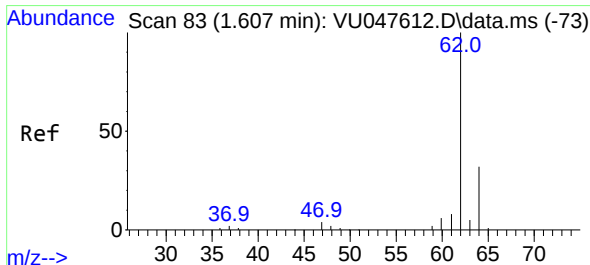
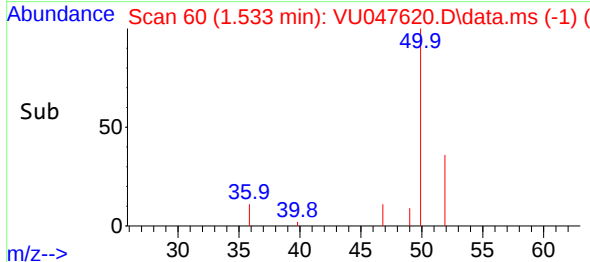
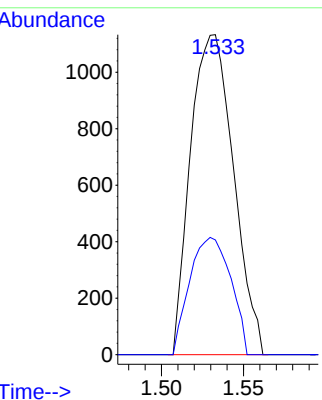
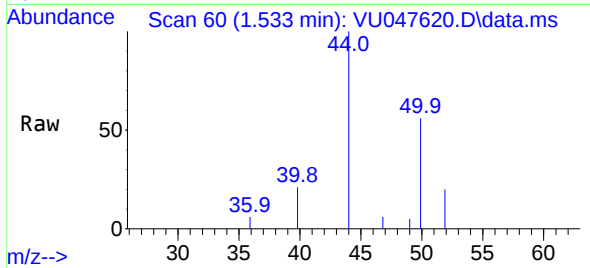
#3  
Chloromethane  
Concen: 0.204 ug/l  
RT: 1.533 min Scan# 60  
Delta R.T. 0.006 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022

Tgt Ion: 50 Resp: 2062  
Ion Ratio Lower Upper  
50 100  
52 35.8 26.2 39.4

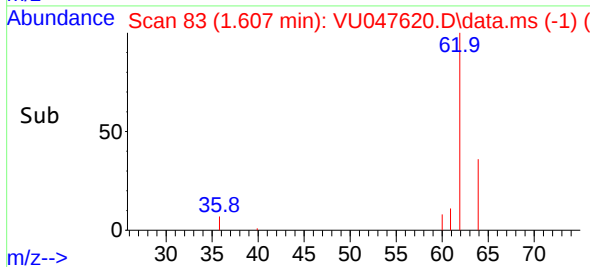
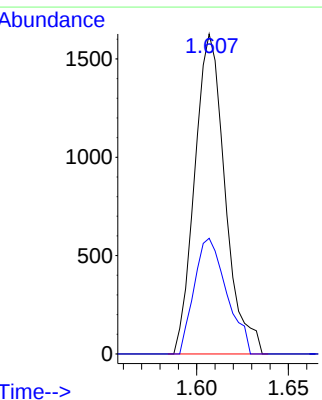
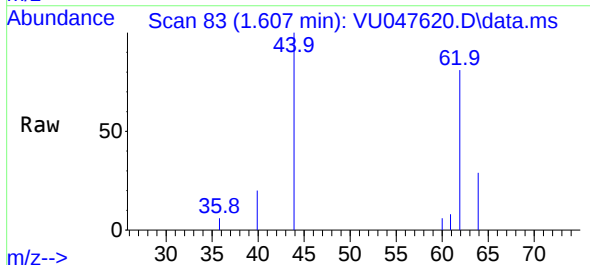
Manual Integrations  
APPROVED

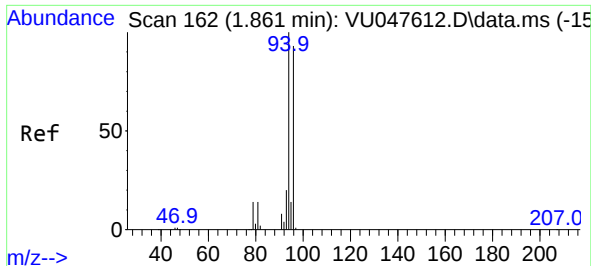
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#4  
Vinyl Chloride  
Concen: 0.191 ug/l  
RT: 1.607 min Scan# 83  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

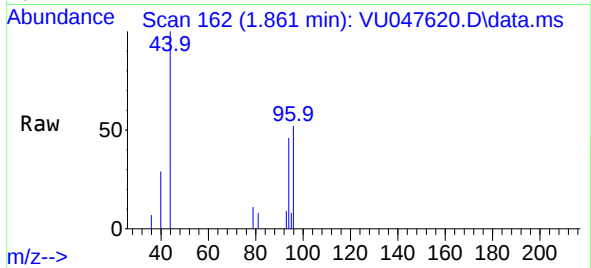
Tgt Ion: 62 Resp: 1872  
Ion Ratio Lower Upper  
62 100  
64 36.1 26.0 39.0





#5  
Bromomethane  
Concen: 0.167 ug/l  
RT: 1.861 min Scan# 162  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

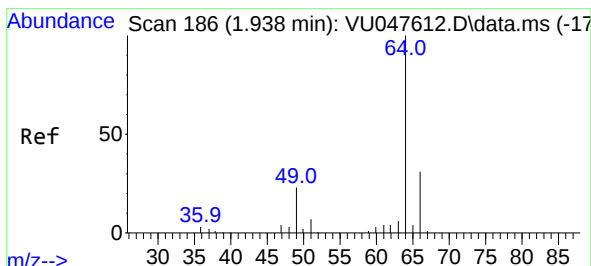
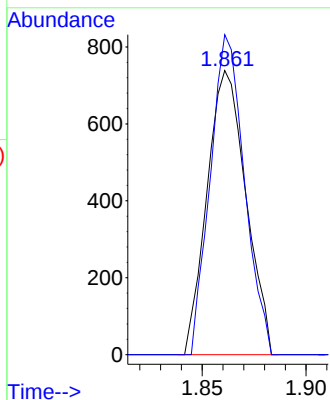
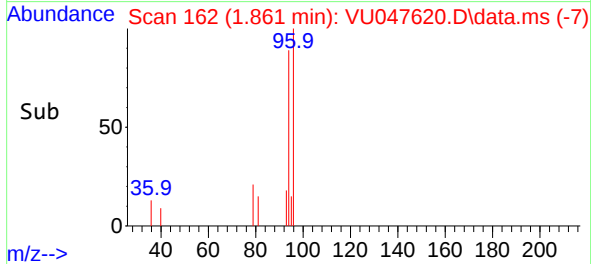
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022



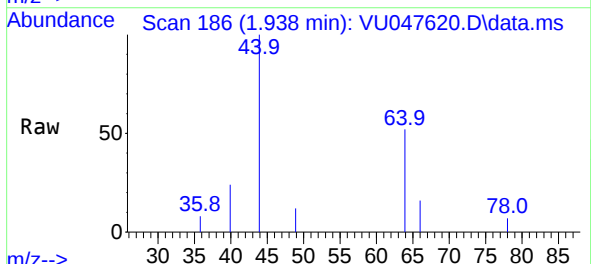
Tgt Ion: 94 Resp: 96  
Ion Ratio Lower Upper  
94 100  
96 112.6 75.0 112.4

Manual Integrations  
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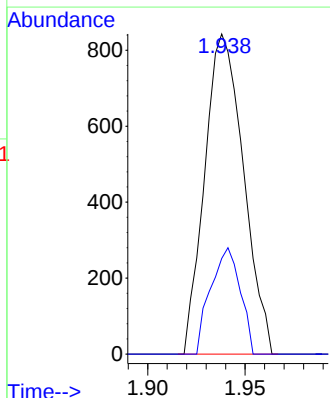
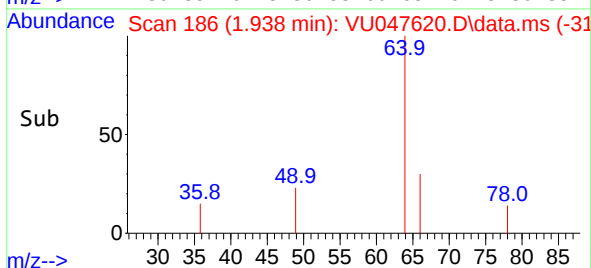
Reviewed By :John Carlone 03/31/2022  
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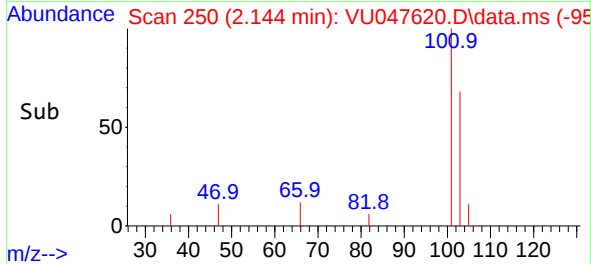
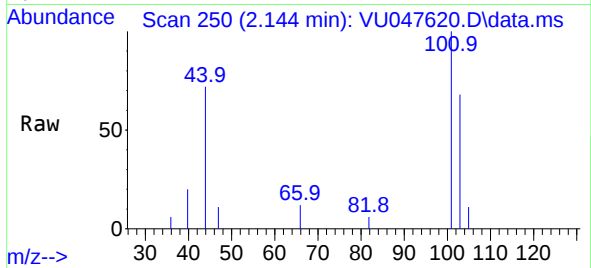
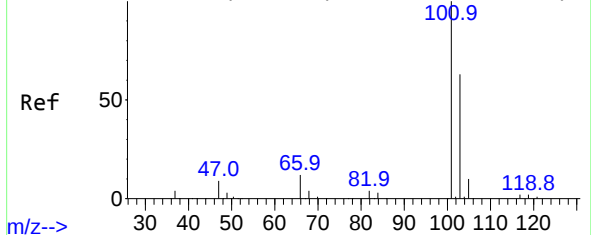
#6  
Chloroethane  
Concen: 0.199 ug/l  
RT: 1.938 min Scan# 186  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



Tgt Ion: 64 Resp: 1168  
Ion Ratio Lower Upper  
64 100  
66 29.9 25.8 38.8



Abundance Scan 250 (2.144 min): VU047612.D\data.ms (-23



#7

Trichlorofluoromethane

Concen: 0.200 ug/l

RT: 2.144 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2022

Tgt Ion:101 Resp: 2709

Ion Ratio Lower Upper

101 100

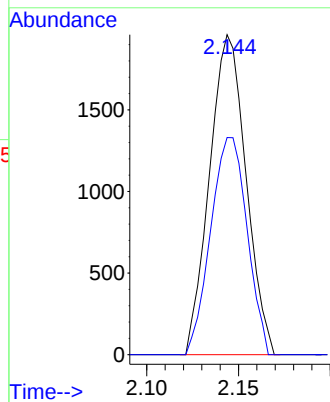
103 67.9 52.2 78.2

Manual Integrations

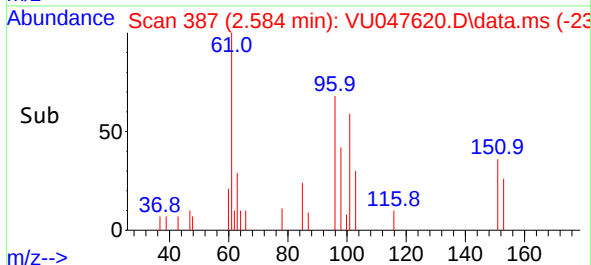
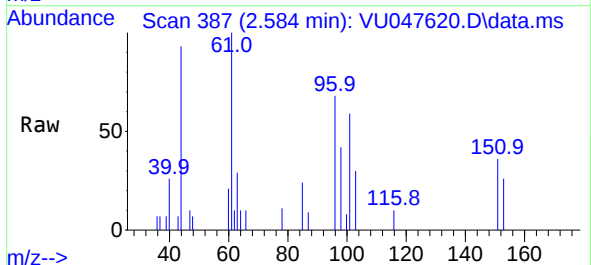
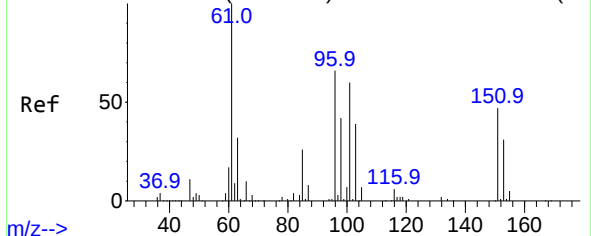
APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



Abundance Scan 388 (2.588 min): VU047612.D\data.ms (-37



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.177 ug/l

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

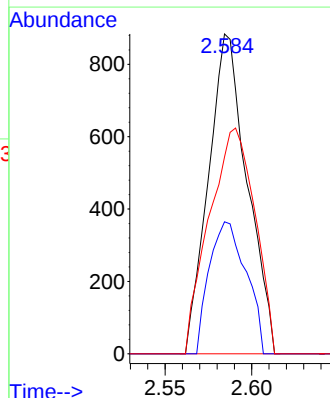
Tgt Ion:101 Resp: 1372

Ion Ratio Lower Upper

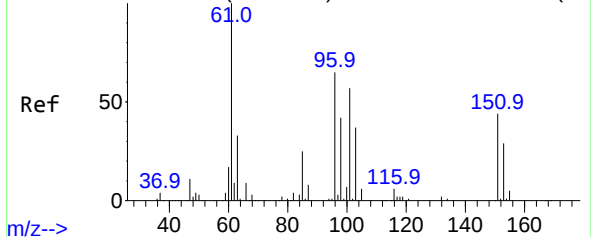
101 100

85 39.1 35.8 53.6

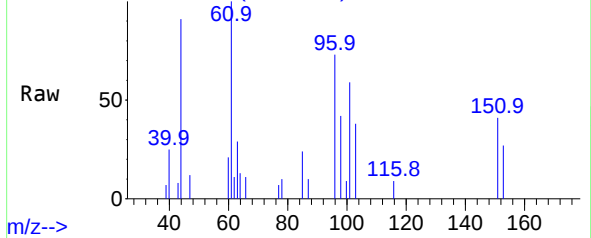
151 83.2 54.6 81.8#



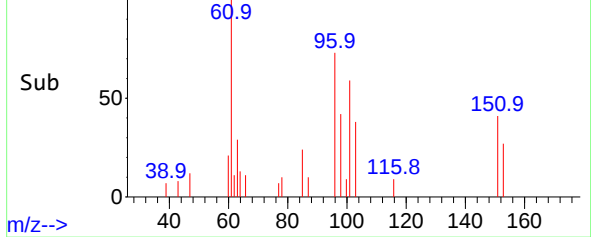
Abundance Scan 387 (2.584 min): VU047612.D\data.ms (-37



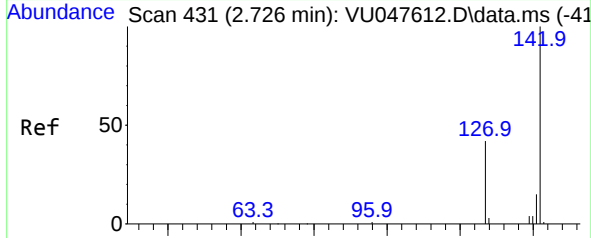
m/z--> Scan 388 (2.587 min): VU047620.D\data.ms



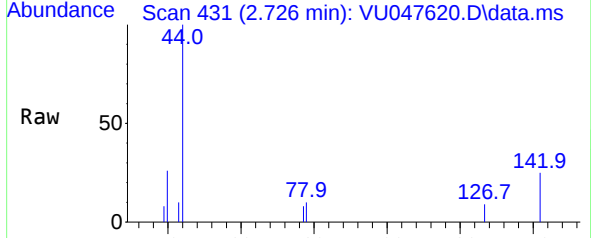
Abundance Scan 388 (2.587 min): VU047620.D\data.ms (-23



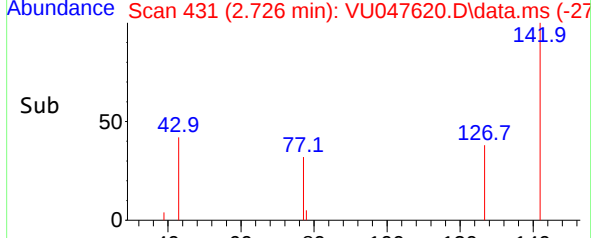
m/z--> Scan 431 (2.726 min): VU047612.D\data.ms (-41



m/z--> Scan 431 (2.726 min): VU047620.D\data.ms



Abundance Scan 431 (2.726 min): VU047620.D\data.ms (-27



m/z--> Time-->

#9

1,1-Dichloroethene

Concen: 0.204 ug/l

RT: 2.587 min Scan# 387

Delta R.T. 0.003 min

Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

Tgt Ion: 96 Resp: 156

Ion Ratio Lower Upper

96 100

61 137.5 0.0 514.2

98 57.7 0.0 126.4

Instrument :

MSVOA\_U

ClientSampleId :

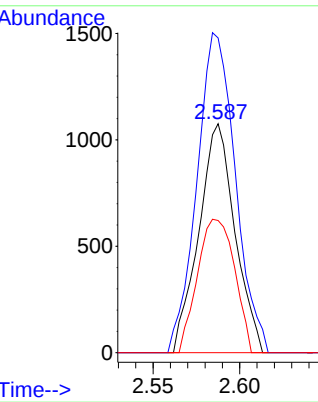
LOD-MDL-WATER-01-QT1-2022

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#10

Iodomethane

Concen: 0.157 ug/l

RT: 2.726 min Scan# 431

Delta R.T. -0.000 min

Lab File: VU047620.D

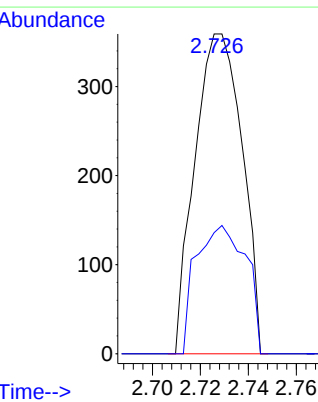
Acq: 18 Mar 2022 17:45

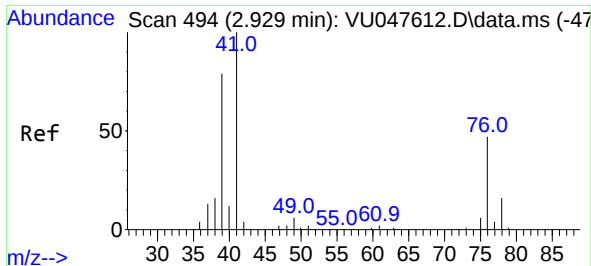
Tgt Ion:142 Resp: 491

Ion Ratio Lower Upper

142 100

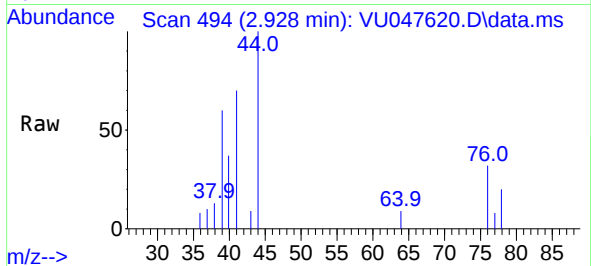
127 42.4 33.2 49.8





#11  
 Allyl Chloride  
 Concen: 0.227 ug/l  
 RT: 2.928 min Scan# 494  
 Delta R.T. -0.000 min  
 Lab File: VU047620.D  
 Acq: 18 Mar 2022 17:45

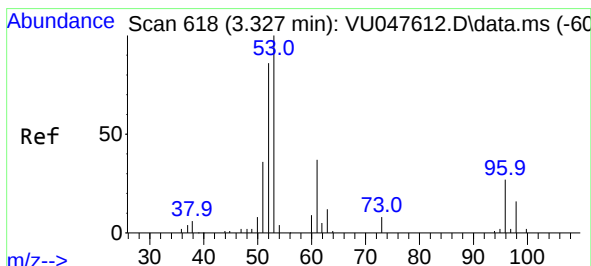
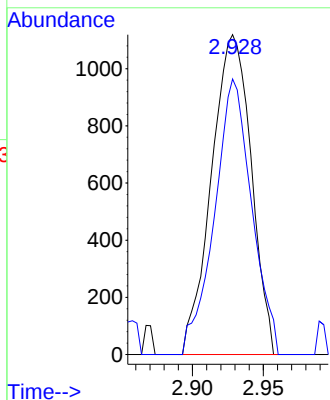
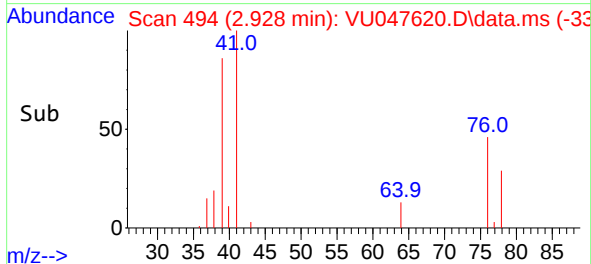
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2022



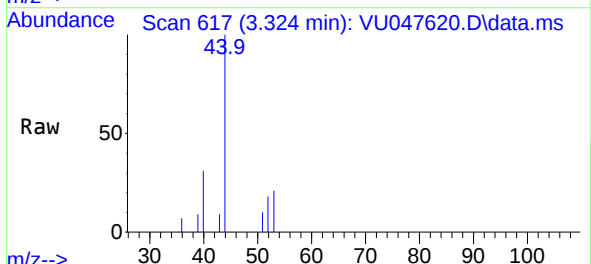
Tgt Ion: 41 Resp: 218  
 Ion Ratio Lower Upper  
 41 100  
 39 80.8 62.4 93.6

Manual Integrations  
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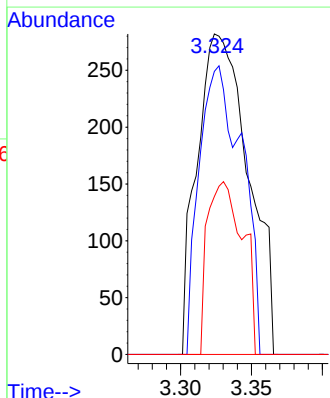
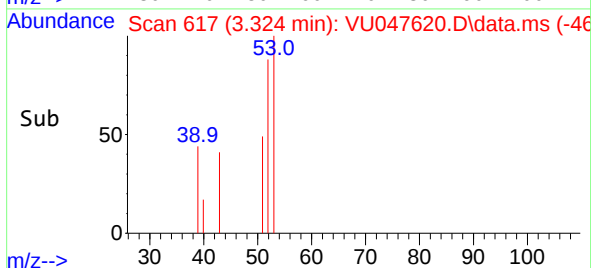
Reviewed By :John Carlone 03/31/2022  
 Supervised By :Mahesh Dadoda 03/31/2022

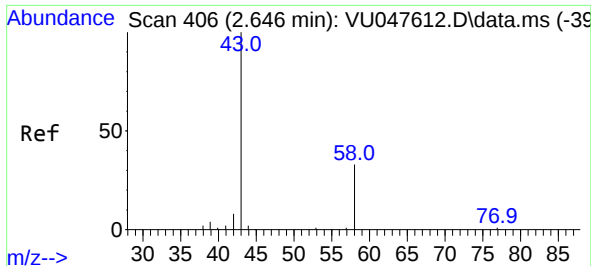


#12  
 Acrylonitrile  
 Concen: 0.421 ug/l  
 RT: 3.324 min Scan# 617  
 Delta R.T. -0.003 min  
 Lab File: VU047620.D  
 Acq: 18 Mar 2022 17:45



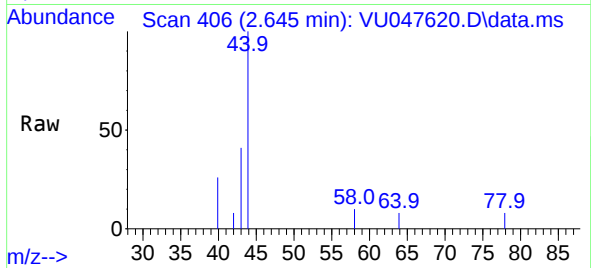
Tgt Ion: 53 Resp: 712  
 Ion Ratio Lower Upper  
 53 100  
 52 75.1 56.7 85.1  
 51 37.1 30.3 45.5





#13  
Acetone  
Concen: 1.398 ug/l  
RT: 2.645 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

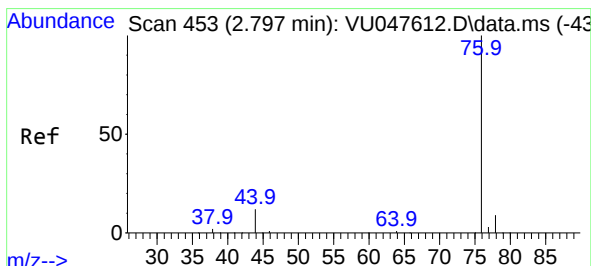
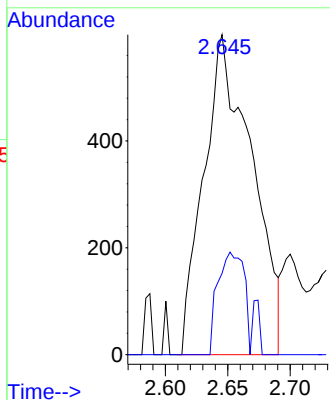
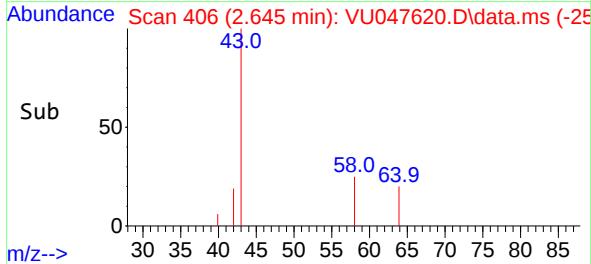
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022



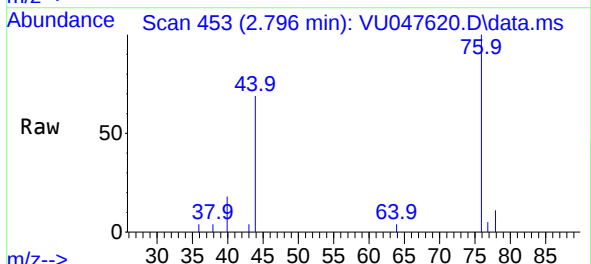
Tgt Ion: 43 Resp: 1607  
Ion Ratio Lower Upper  
43 100  
58 25.4 27.1 40.7

Manual Integrations  
APPROVED

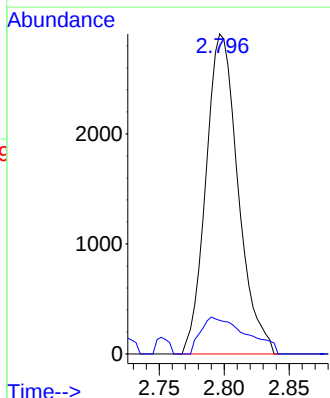
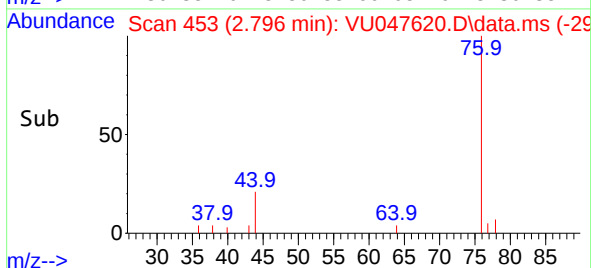
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

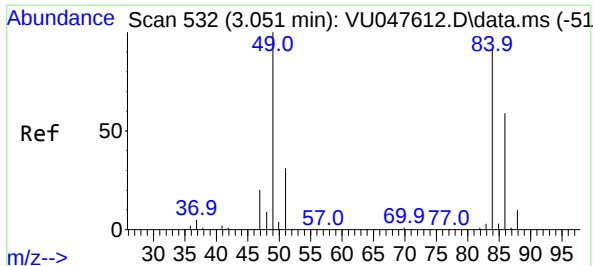


#14  
Carbon Disulfide  
Concen: 0.207 ug/l  
RT: 2.796 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



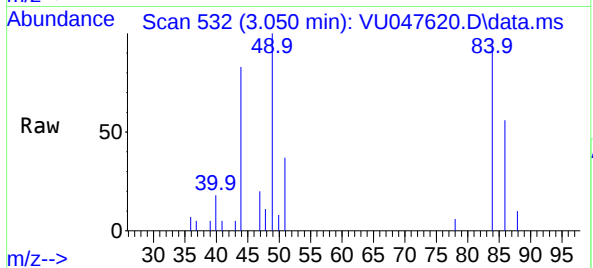
Tgt Ion: 76 Resp: 5015  
Ion Ratio Lower Upper  
76 100  
78 10.5 7.1 10.7





#15  
Methylene Chloride  
Concen: 0.345 ug/l  
RT: 3.050 min Scan# 51  
Delta R.T. -0.001 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

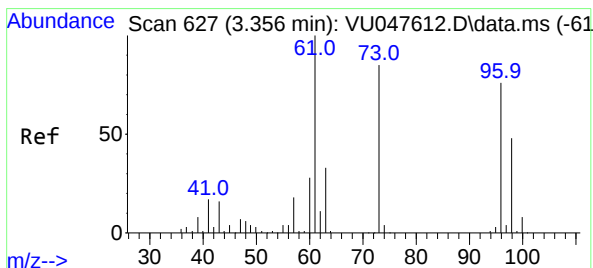
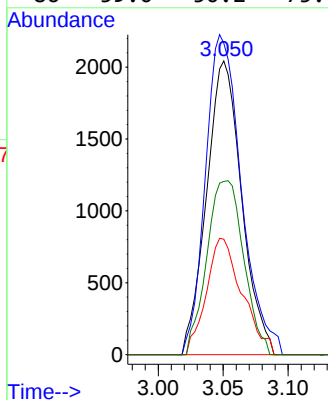
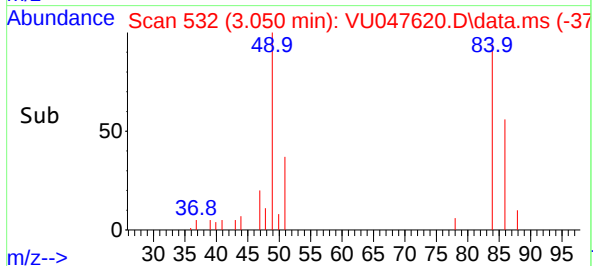
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 384   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 106.0 | 97.2  | 145.8 |
| 51       | 39.3  | 0.0   | 73.4  |
| 86       | 59.0  | 50.2  | 75.4  |

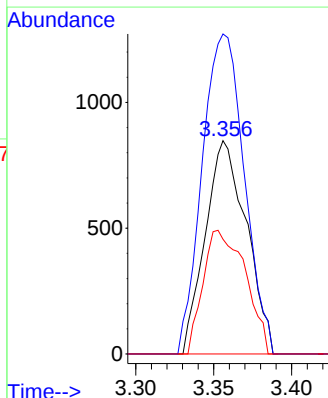
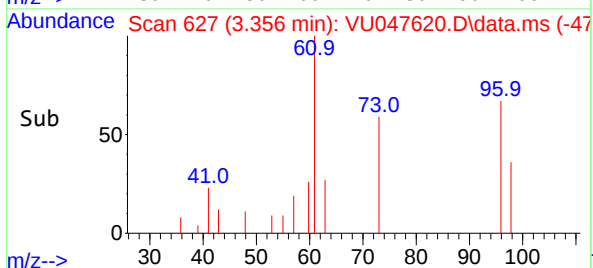
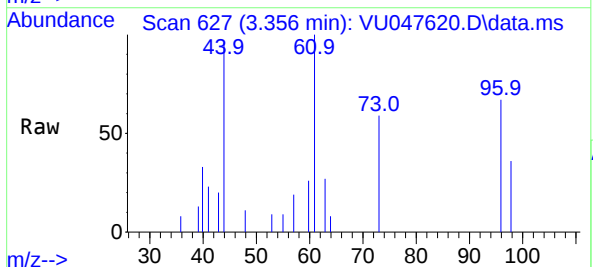
Manual Integrations  
APPROVED

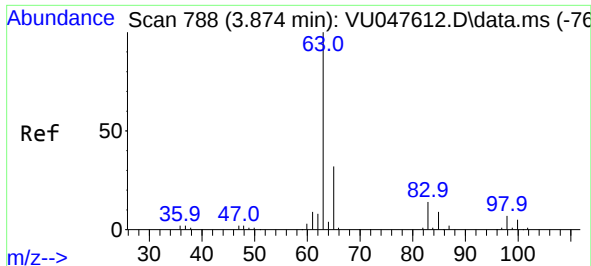
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#16  
trans-1,2-Dichloroethene  
Concen: 0.193 ug/l  
RT: 3.356 min Scan# 627  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 1557  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 150.0 | 115.8 | 173.6 |
| 98       | 53.8  | 51.1  | 76.7  |





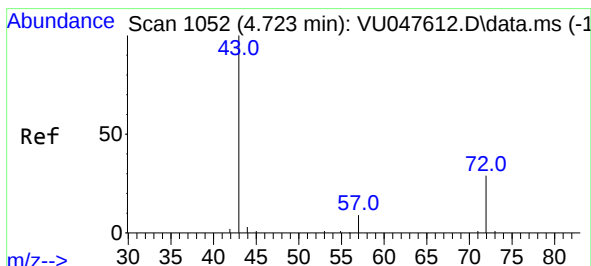
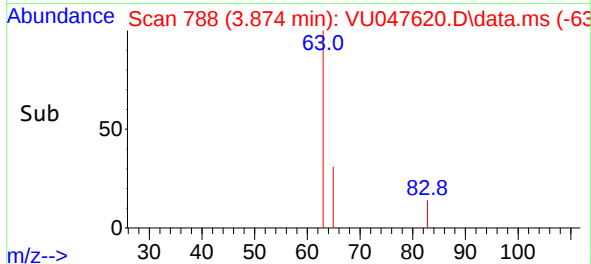
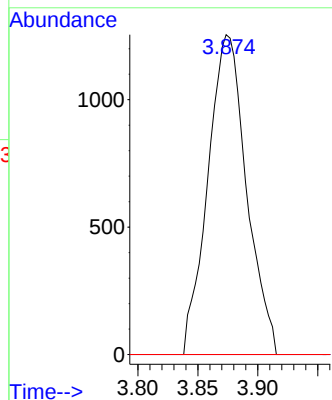
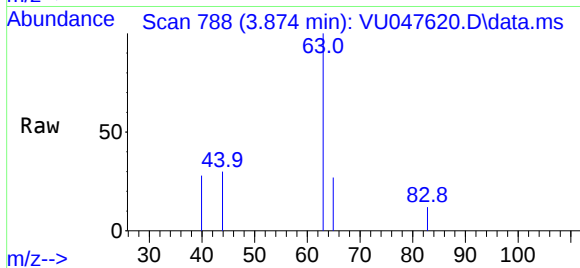
#17  
1,1-Dichloroethane  
Concen: 0.206 ug/l  
RT: 3.874 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022

Tgt Ion: 63 Resp: 281  
Ion Ratio Lower Upper  
63 100  
98 0.0 3.6 10.8  
100 0.0 2.1 6.5

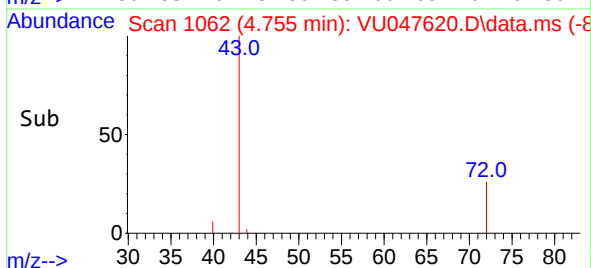
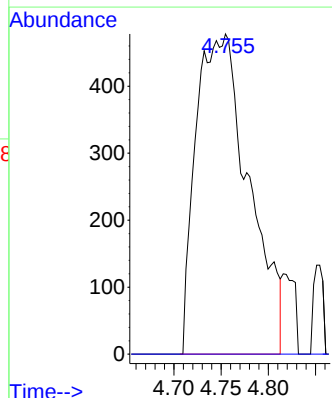
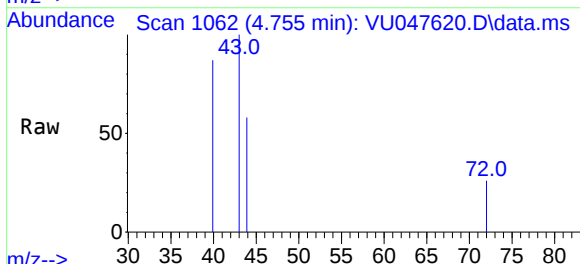
Manual Integrations  
APPROVED

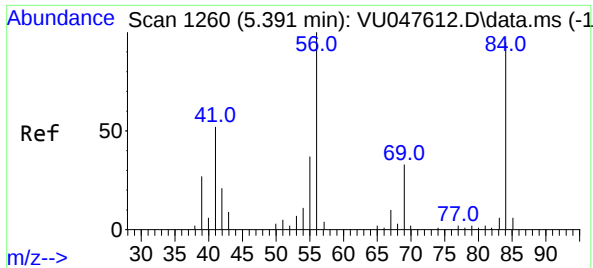
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#18  
2-Butanone  
Concen: 1.035 ug/l  
RT: 4.755 min Scan# 1062  
Delta R.T. 0.032 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

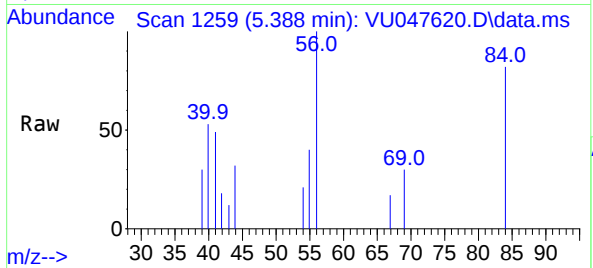
Tgt Ion: 43 Resp: 1853  
Ion Ratio Lower Upper  
43 100  
57 0.0 0.0 16.6





#19  
Cyclohexane  
Concen: 0.186 ug/l  
RT: 5.388 min Scan# 1259  
Delta R.T. -0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

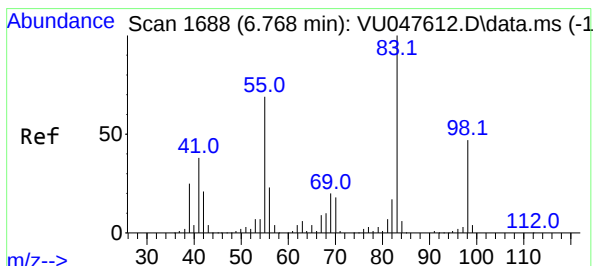
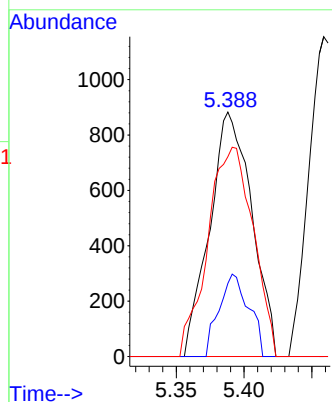
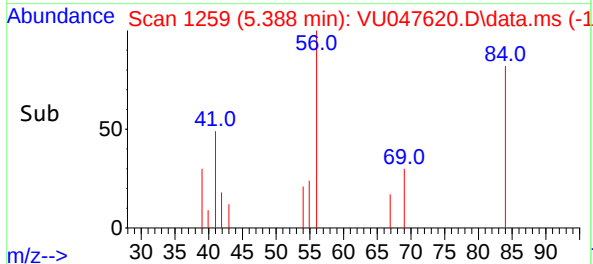
Instrument : MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



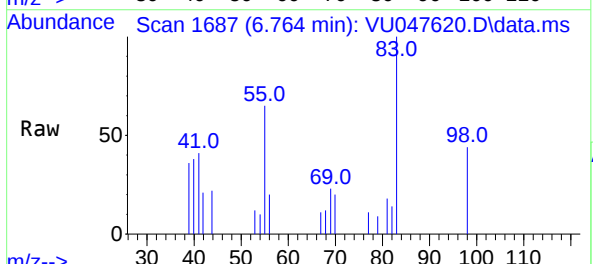
Tgt Ion: 56 Resp: 1909  
Ion Ratio Lower Upper  
56 100  
69 23.8 24.7 37.1  
84 92.0 68.8 103.2

Manual Integrations  
APPROVED

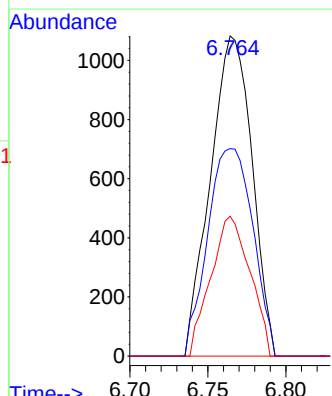
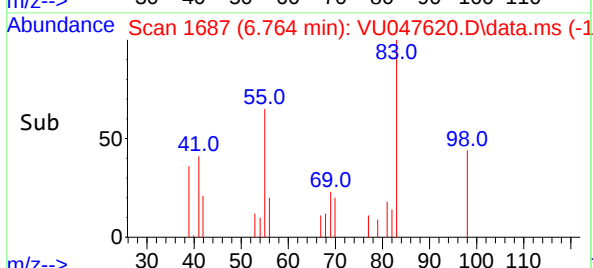
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

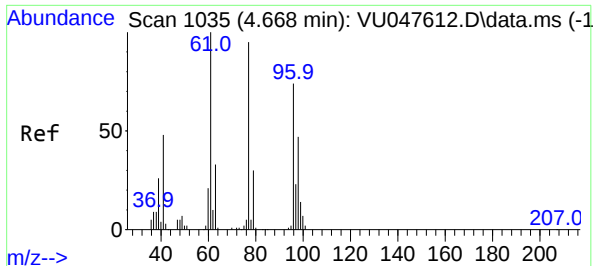


#20  
Methylcyclohexane  
Concen: 0.171 ug/l  
RT: 6.764 min Scan# 1687  
Delta R.T. -0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



Tgt Ion: 83 Resp: 2015  
Ion Ratio Lower Upper  
83 100  
55 70.5 61.9 92.9  
98 41.1 37.4 56.2





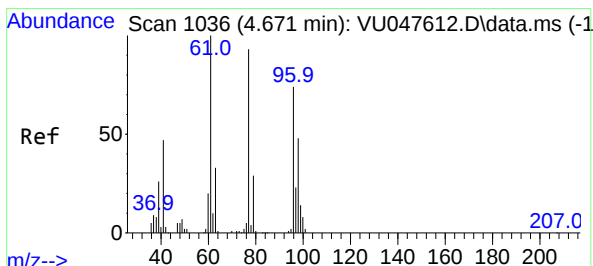
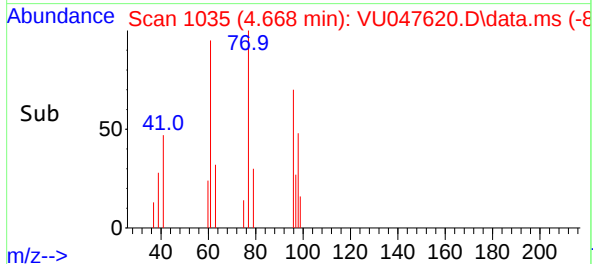
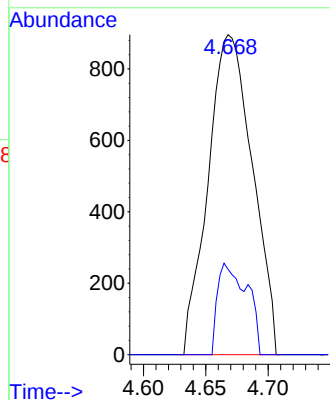
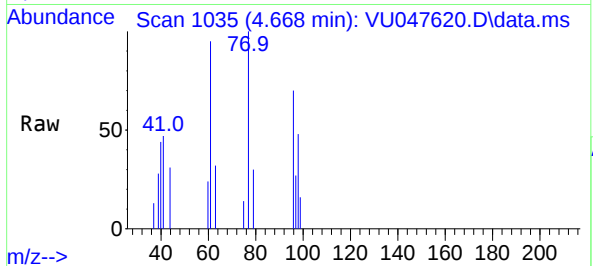
#21  
2,2-Dichloropropane  
Concen: 0.185 ug/l  
RT: 4.668 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022

Tgt Ion: 77 Resp: 222  
Ion Ratio Lower Upper  
77 100  
97 18.8 17.2 25.8

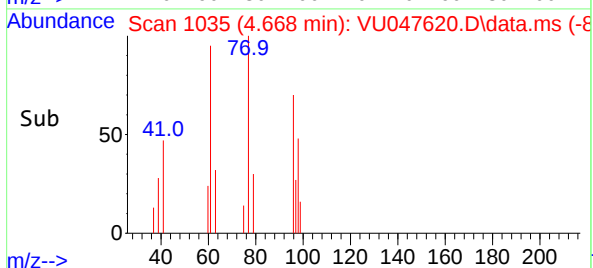
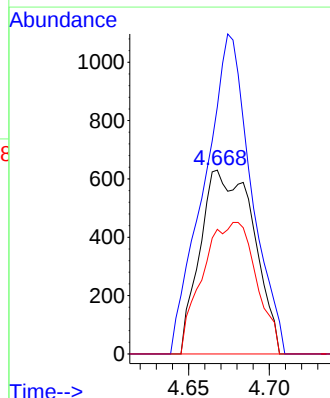
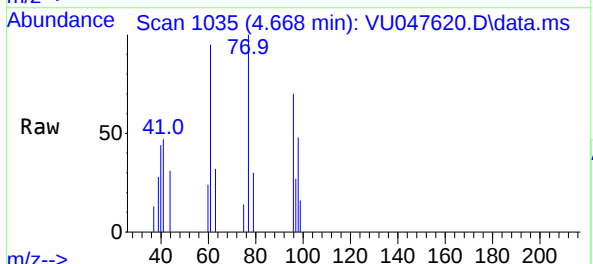
Manual Integrations  
APPROVED

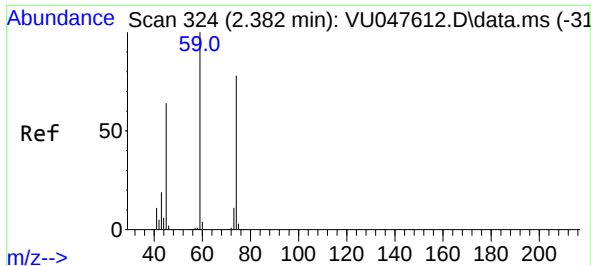
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#22  
cis-1,2-Dichloroethene  
Concen: 0.165 ug/l m  
RT: 4.668 min Scan# 1035  
Delta R.T. -0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

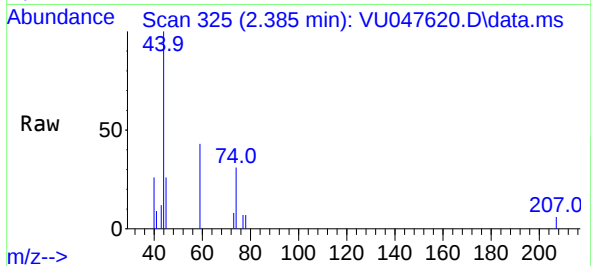
Tgt Ion: 96 Resp: 1447  
Ion Ratio Lower Upper  
96 100  
61 153.6 0.0 385.3  
98 71.7 32.1 96.3





#23  
Diethyl Ether  
Concen: 0.199 ug/l  
RT: 2.385 min Scan# 311  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

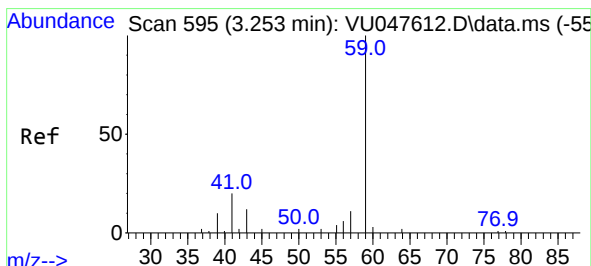
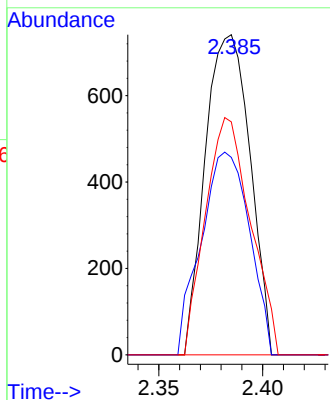
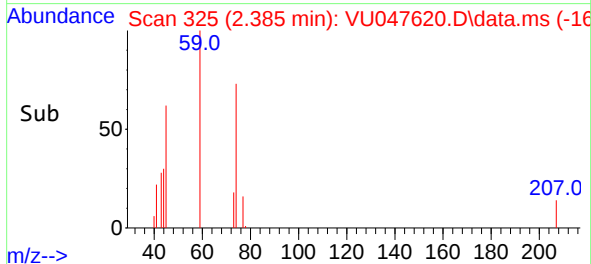
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



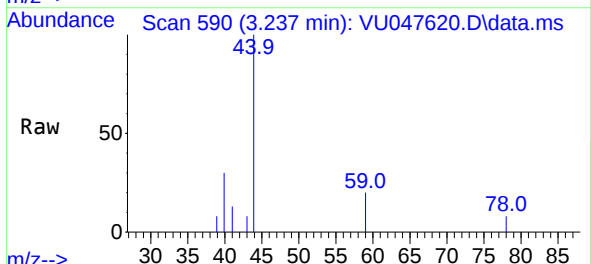
Tgt Ion: 59 Resp: 111  
Ion Ratio Lower Upper  
59 100  
45 68.3 55.6 83.4  
74 74.4 58.1 87.1

Manual Integrations  
APPROVED

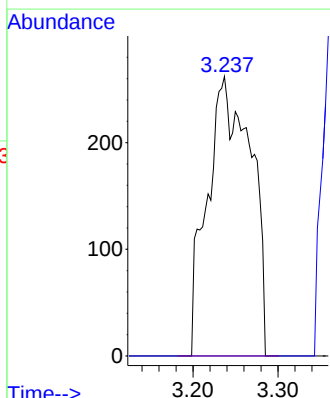
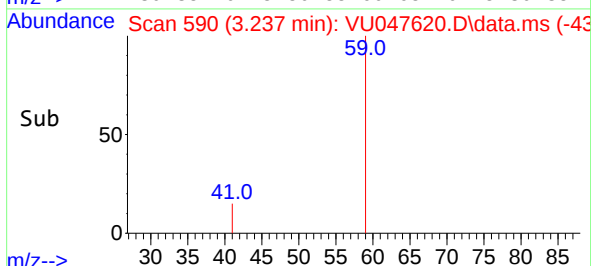
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

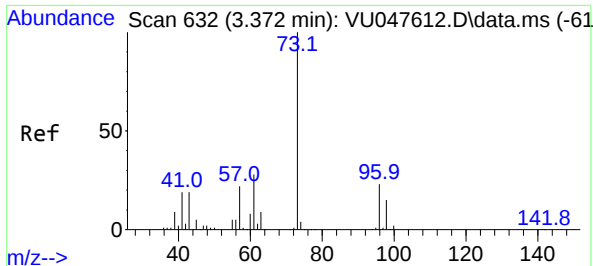


#24  
tert-Butyl Alcohol  
Concen: 2.415 ug/l m  
RT: 3.237 min Scan# 590  
Delta R.T. -0.016 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



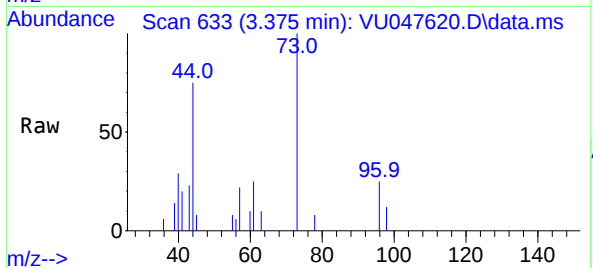
Tgt Ion: 59 Resp: 932  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.5 9.7#





#25  
Methyl tert-Butyl Ether  
Concen: 0.196 ug/l  
RT: 3.375 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

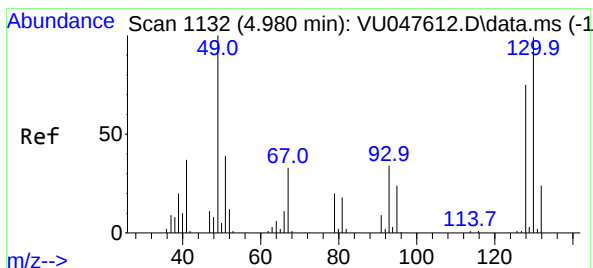
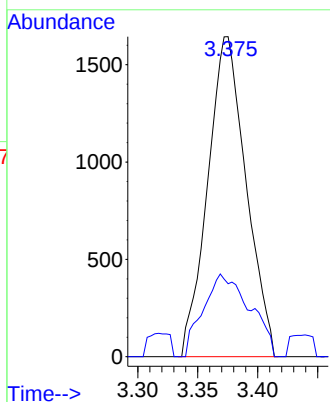
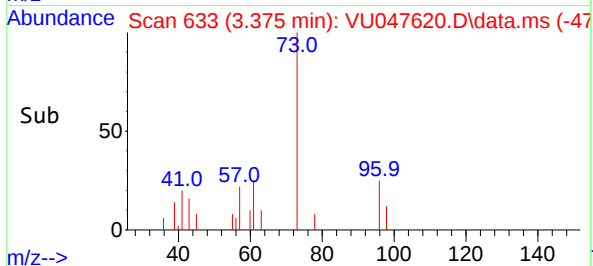
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



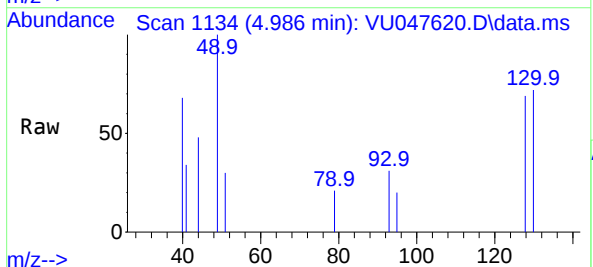
Tgt Ion: 73 Resp: 366  
Ion Ratio Lower Upper  
73 100  
43 31.3 16.3 24.5

Manual Integrations  
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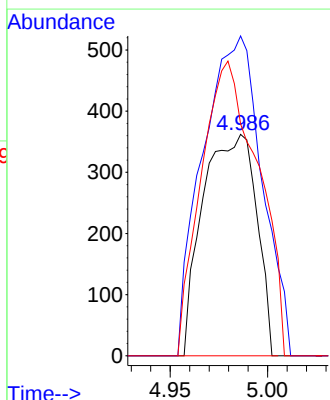
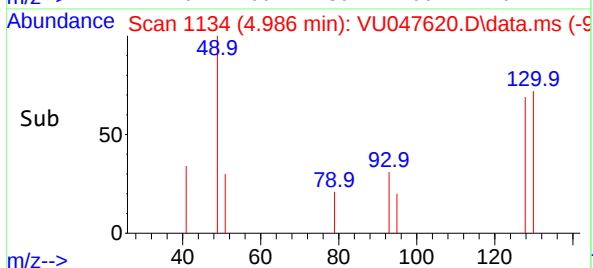
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

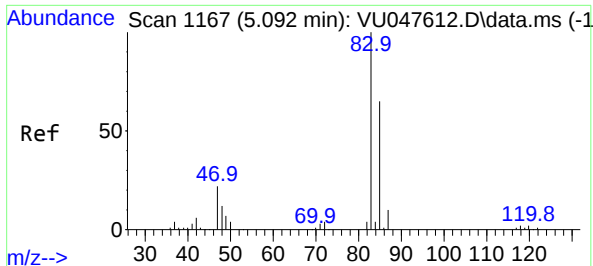


#26  
Bromochloromethane  
Concen: 0.156 ug/l  
RT: 4.986 min Scan# 1134  
Delta R.T. 0.006 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



Tgt Ion:128 Resp: 691  
Ion Ratio Lower Upper  
128 100  
49 160.1 0.0 347.4  
130 141.5 101.5 152.3





#27

Chloroform

Concen: 0.233 ug/l

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2022

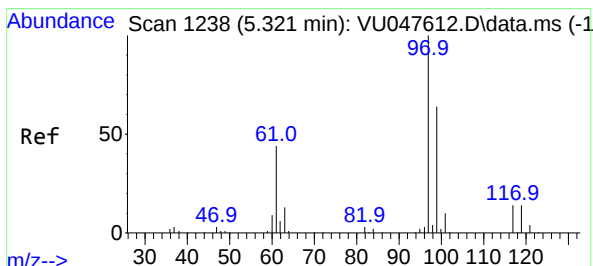
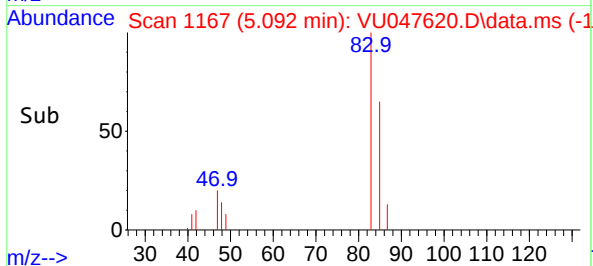
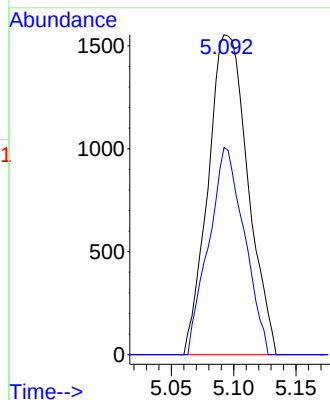
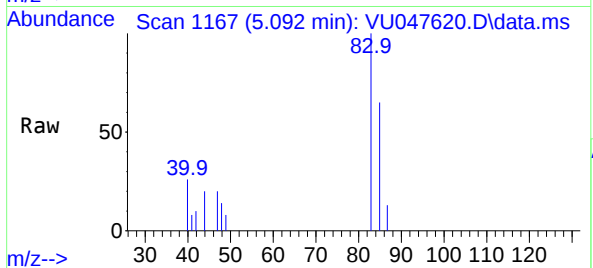
Tgt Ion: 83 Resp: 3440  
 Ion Ratio Lower Upper  
 83 100  
 85 64.7 0.0 129.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#28

1,1,1-Trichloroethane

Concen: 0.185 ug/l

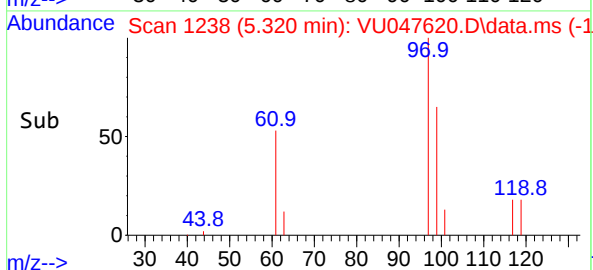
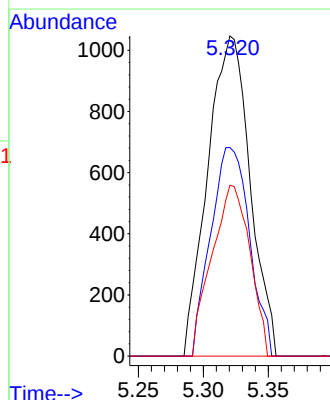
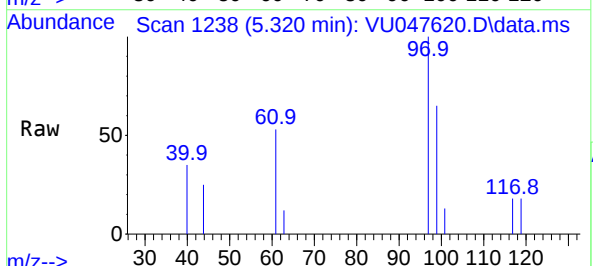
RT: 5.320 min Scan# 1238

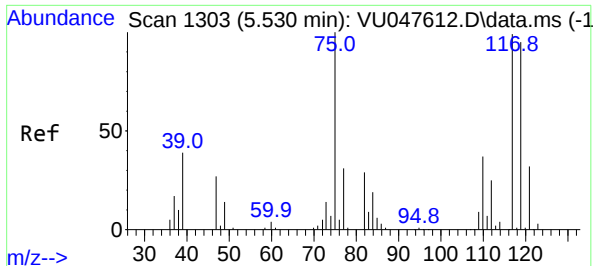
Delta R.T. -0.000 min

Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

Tgt Ion: 97 Resp: 2376  
 Ion Ratio Lower Upper  
 97 100  
 99 59.9 32.2 96.6  
 61 47.8 24.5 73.5





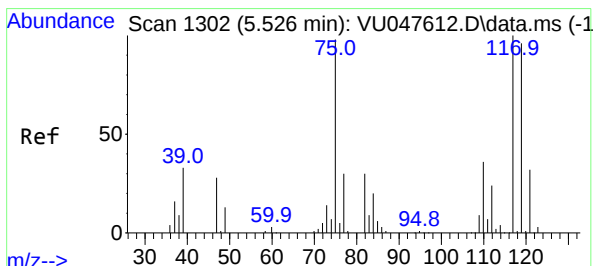
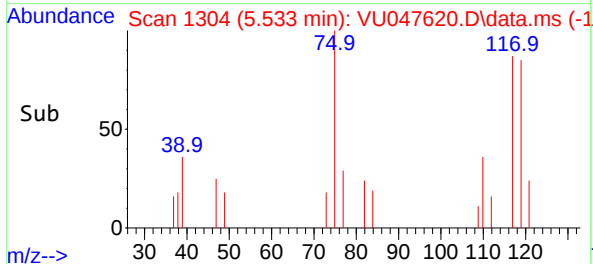
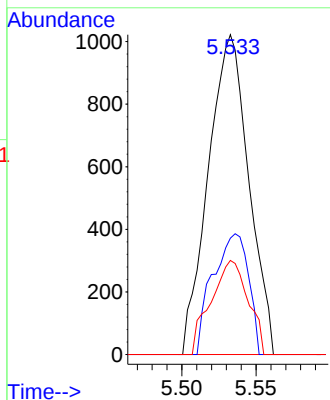
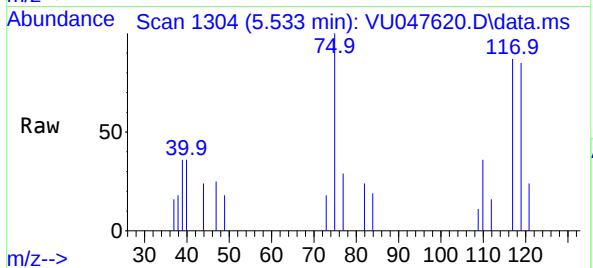
#29  
1,1-Dichloropropene  
Concen: 0.186 ug/l  
RT: 5.533 min Scan# 1303  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022

Tgt Ion: 75 Resp: 1930  
Ion Ratio Lower Upper  
75 100  
110 33.3 16.8 50.3  
77 27.2 24.7 37.1

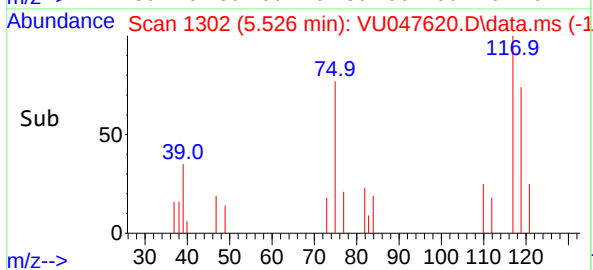
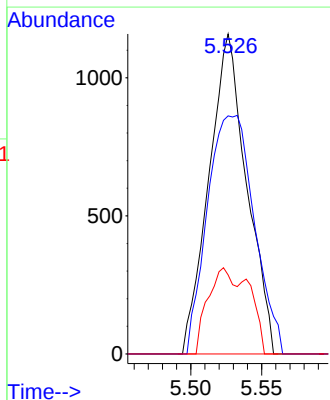
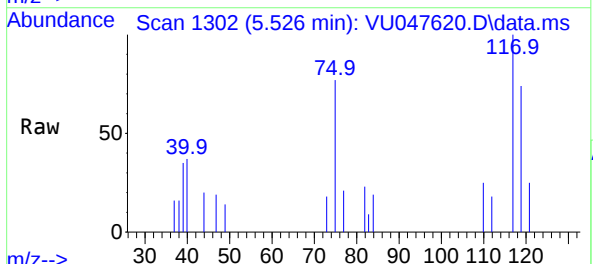
Manual Integrations  
APPROVED

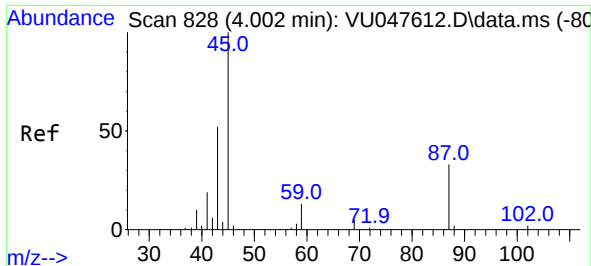
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#30  
Carbon Tetrachloride  
Concen: 0.188 ug/l  
RT: 5.526 min Scan# 1302  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Tgt Ion:117 Resp: 2148  
Ion Ratio Lower Upper  
117 100  
119 74.4 76.8 115.2#  
121 24.7 24.6 37.0





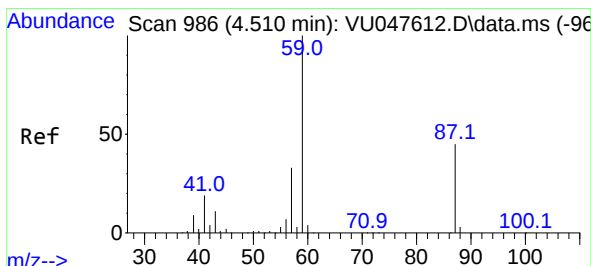
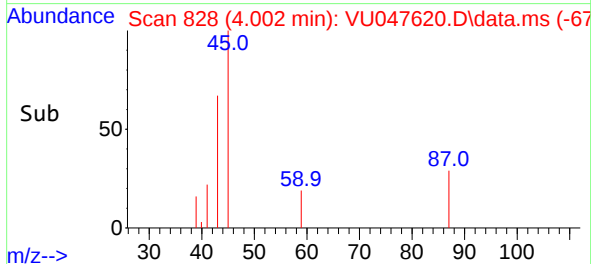
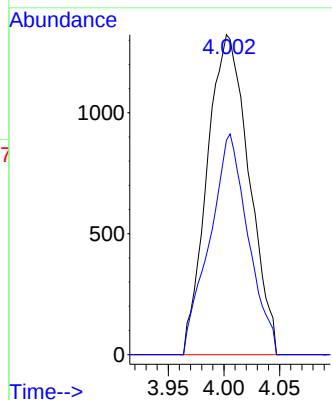
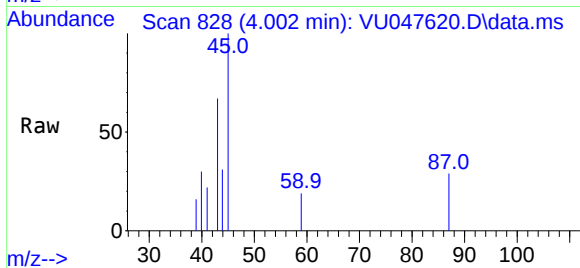
#31  
Isopropyl Ether  
Concen: 0.190 ug/l  
RT: 4.002 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022

Tgt Ion: 45 Resp: 345  
Ion Ratio Lower Upper  
45 100  
43 63.5 25.3 75.8

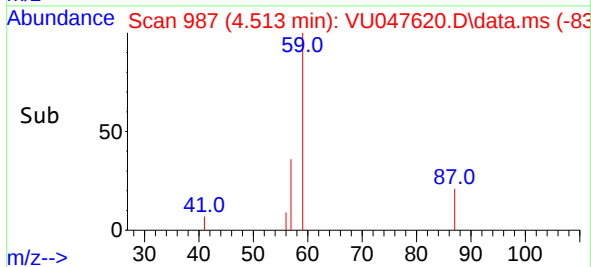
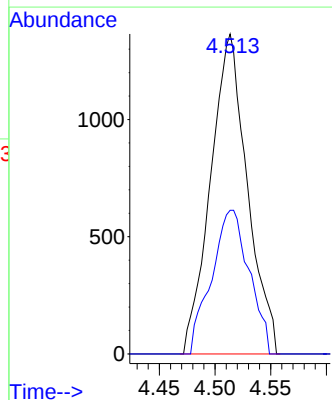
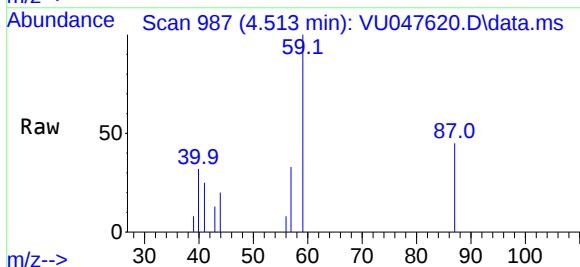
Manual Integrations  
APPROVED

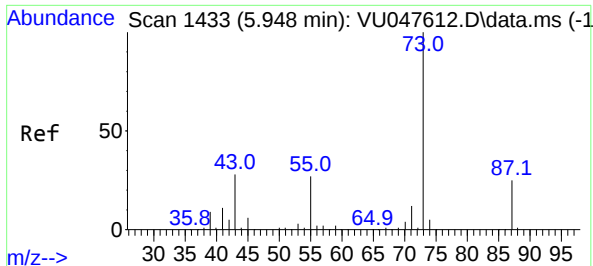
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#32  
Ethyl-t-butyl ether  
Concen: 0.171 ug/l  
RT: 4.513 min Scan# 987  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

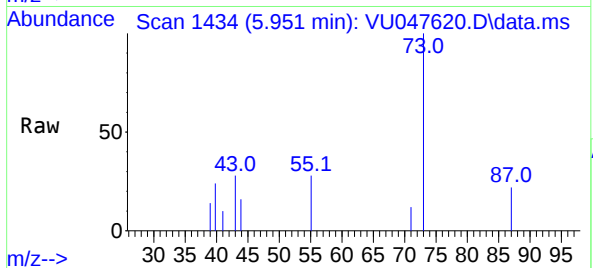
Tgt Ion: 59 Resp: 3130  
Ion Ratio Lower Upper  
59 100  
87 46.1 32.7 49.1





#33  
Tert-Amyl methyl ether  
Concen: 0.181 ug/l  
RT: 5.951 min Scan# 1433  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

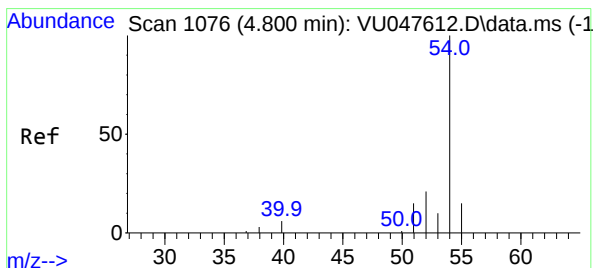
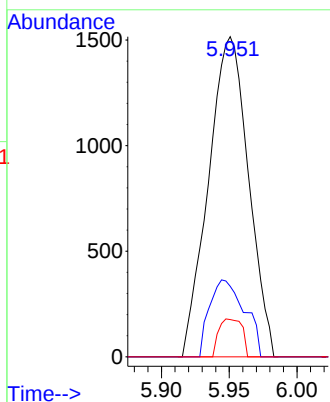
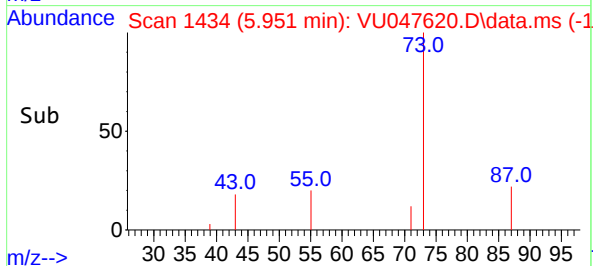
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022



Tgt Ion: 73 Resp: 311  
Ion Ratio Lower Upper  
73 100  
87 21.0 18.6 28.0  
71 6.8 9.0 13.6

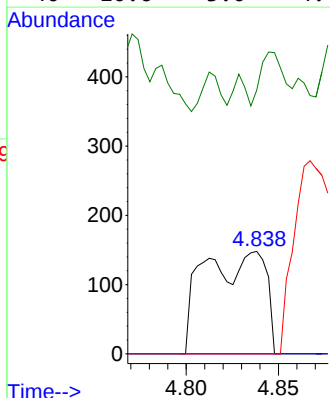
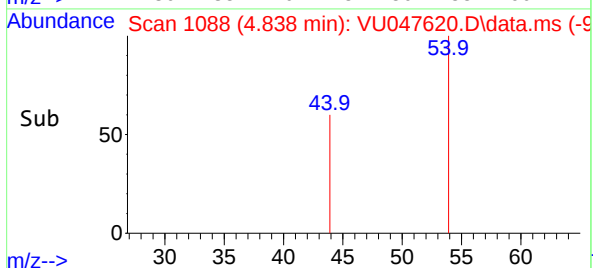
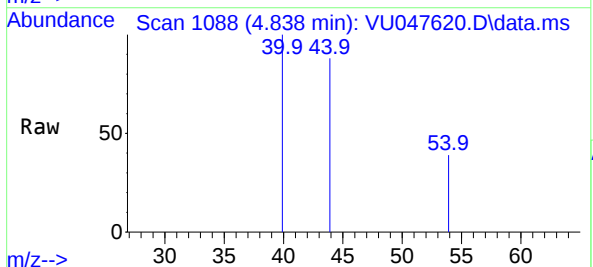
Manual Integrations  
APPROVED

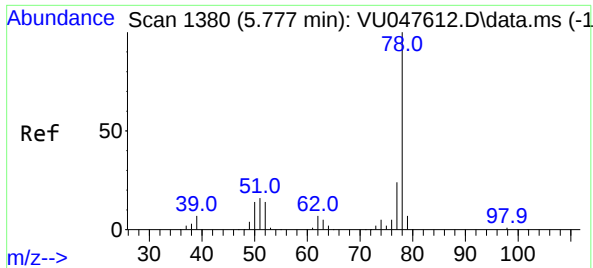
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#34  
Propionitrile  
Concen: 0.705 ug/l m  
RT: 4.838 min Scan# 1088  
Delta R.T. 0.038 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Tgt Ion: 54 Resp: 341  
Ion Ratio Lower Upper  
54 100  
52 0.0 11.9 17.9#  
55 0.0 8.0 12.0#  
40 10.6 3.0 4.4#





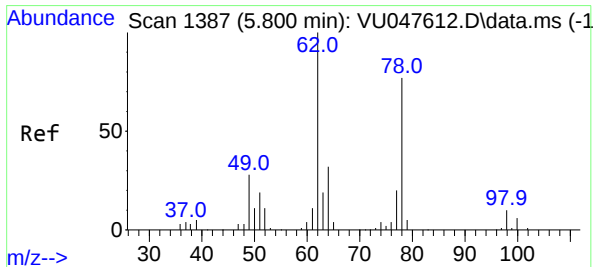
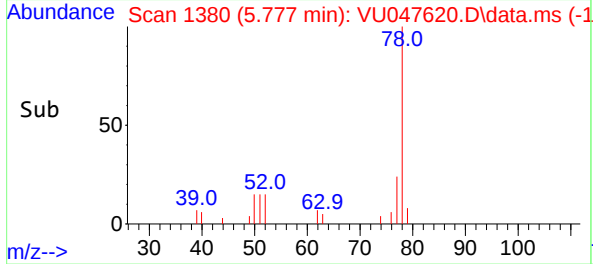
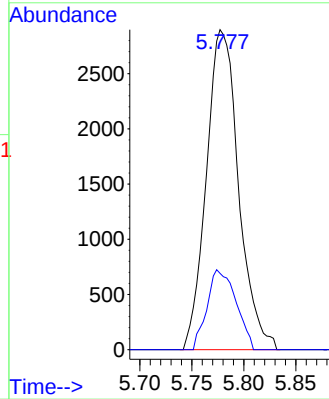
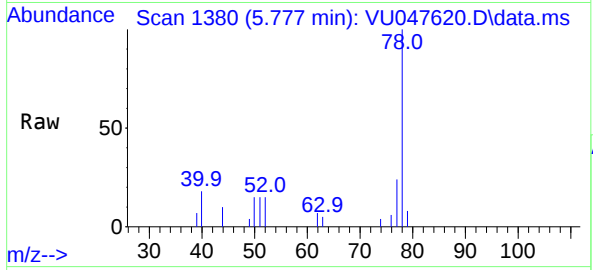
#35  
Benzene  
Concen: 0.201 ug/l  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022

Tgt Ion: 78 Resp: 6250  
Ion Ratio Lower Upper  
78 100  
77 23.8 19.1 28.7

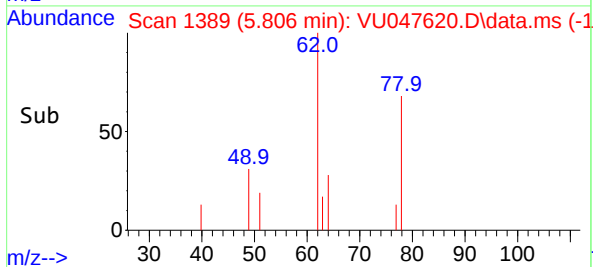
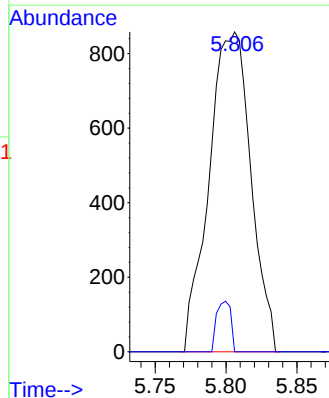
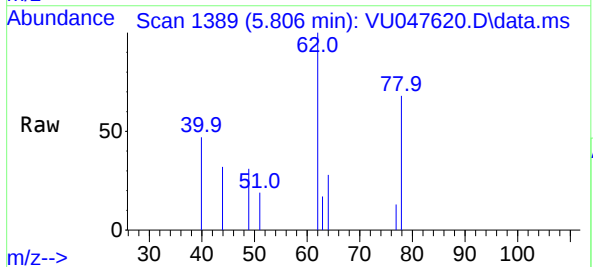
Manual Integrations  
APPROVED

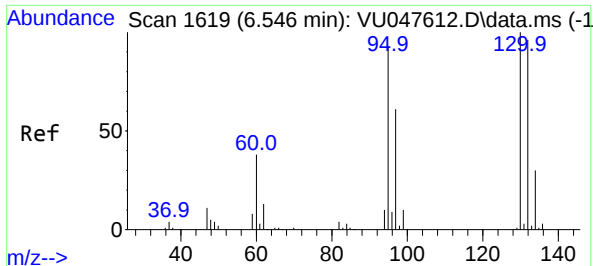
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#36  
1,2-Dichloroethane  
Concen: 0.188 ug/l  
RT: 5.806 min Scan# 1389  
Delta R.T. 0.006 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

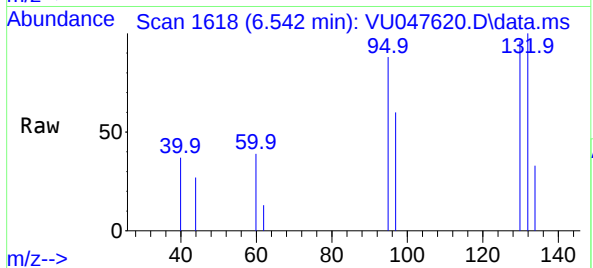
Tgt Ion: 62 Resp: 1766  
Ion Ratio Lower Upper  
62 100  
98 5.3 7.3 10.9





#37  
Trichloroethene  
Concen: 0.194 ug/l  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

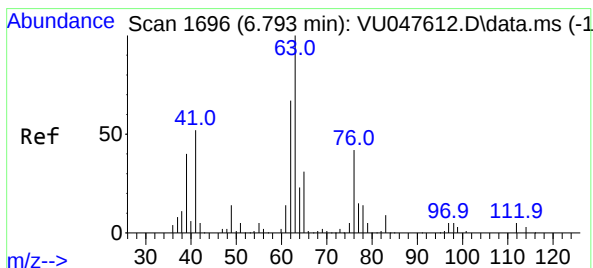
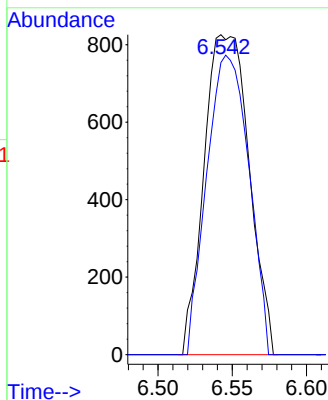
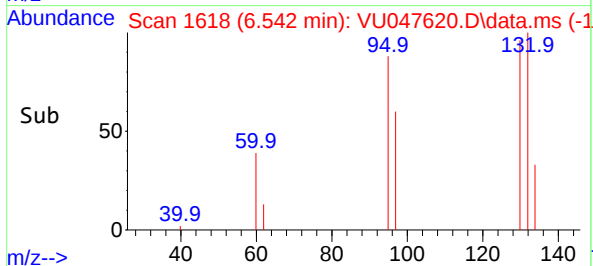
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022



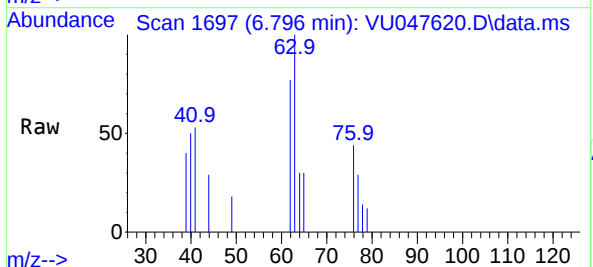
Tgt Ion:130 Resp: 174  
Ion Ratio Lower Upper  
130 100  
95 91.3 83.8 125.8

Manual Integrations  
APPROVED

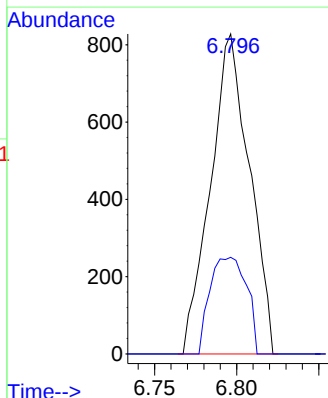
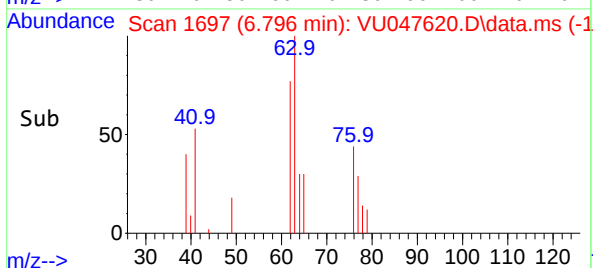
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

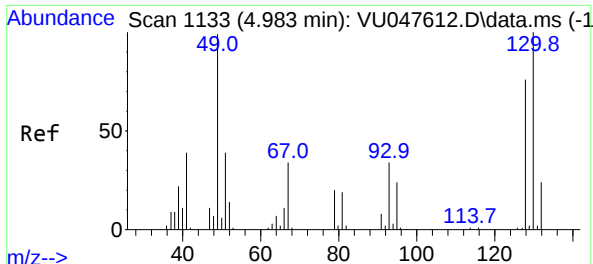


#38  
1,2-Dichloropropane  
Concen: 0.170 ug/l  
RT: 6.796 min Scan# 1697  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



Tgt Ion: 63 Resp: 1364  
Ion Ratio Lower Upper  
63 100  
65 30.2 24.7 37.1





#39

Methacrylonitrile

Concen: 0.156 ug/l

RT: 4.989 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VU047620.D

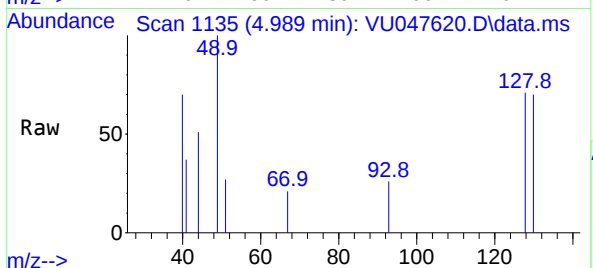
Acq: 18 Mar 2022 17:45

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2022



Tgt Ion: 41 Resp: 350

Ion Ratio Lower Upper

41 100

67 48.3 65.2 97.8

39 18.0 43.0 64.6

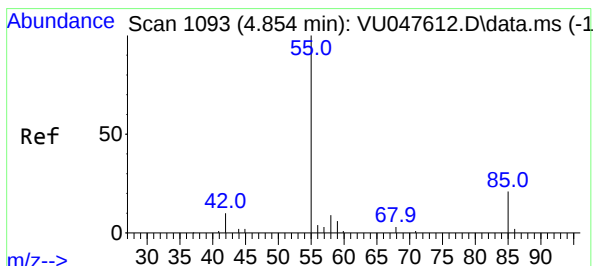
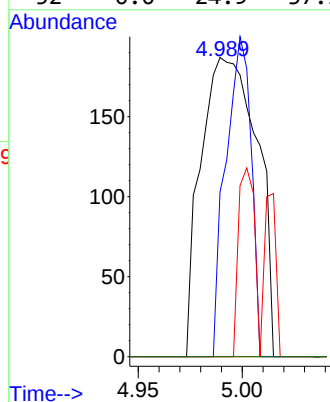
52 0.0 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#40

Methyl acrylate

Concen: 0.138 ug/l

RT: 4.867 min Scan# 1097

Delta R.T. 0.013 min

Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

Tgt Ion: 55 Resp: 524

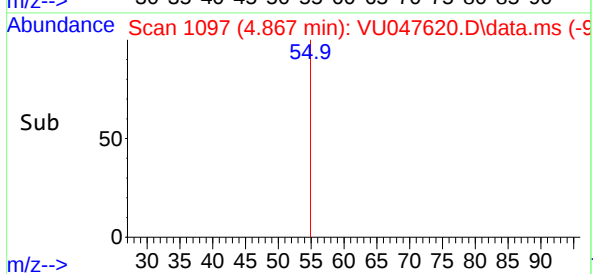
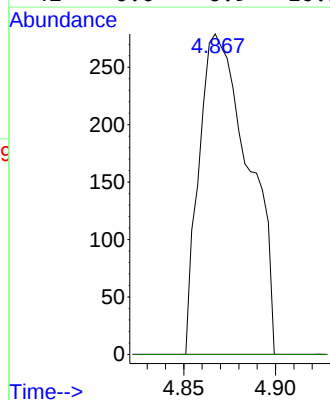
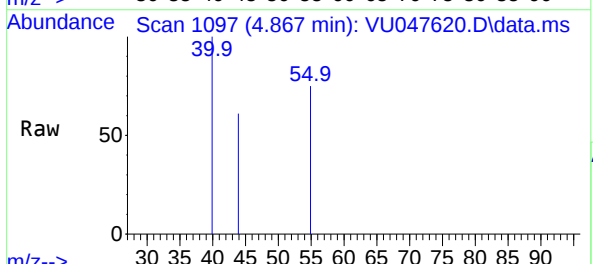
Ion Ratio Lower Upper

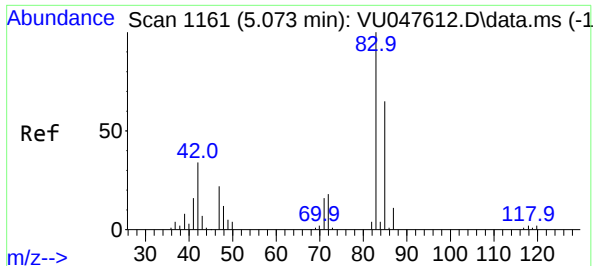
55 100

85 0.0 12.2 18.2

58 0.0 6.7 10.1

42 0.0 6.9 10.3





#41

Tetrahydrofuran

Concen: 0.475 ug/l m

RT: 5.076 min Scan# 1161

Delta R.T. 0.003 min

Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2022

Tgt Ion: 42 Resp: 54

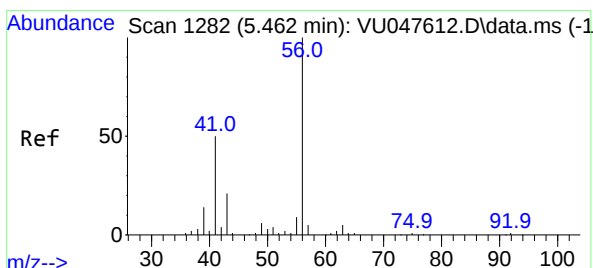
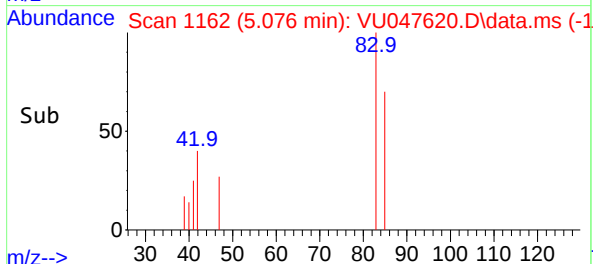
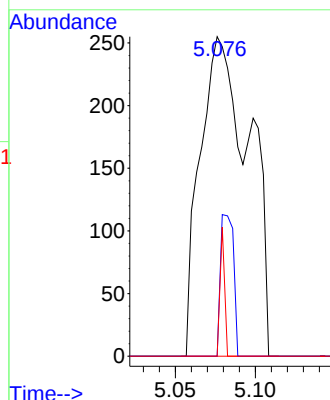
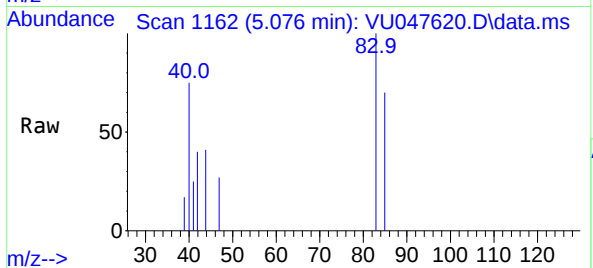
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 11.6  | 42.4  | 63.6  |
| 71  | 3.7   | 36.4  | 54.6  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#42

1-Chlorobutane

Concen: 0.176 ug/l

RT: 5.459 min Scan# 1281

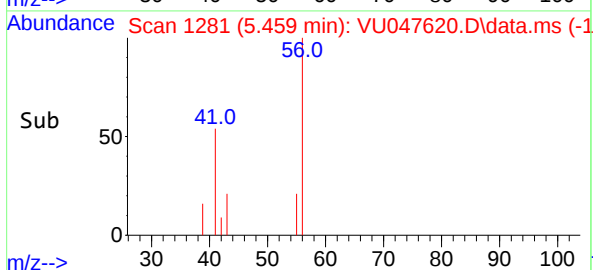
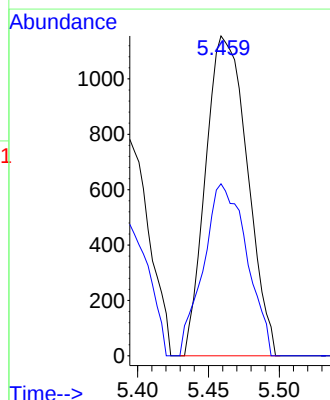
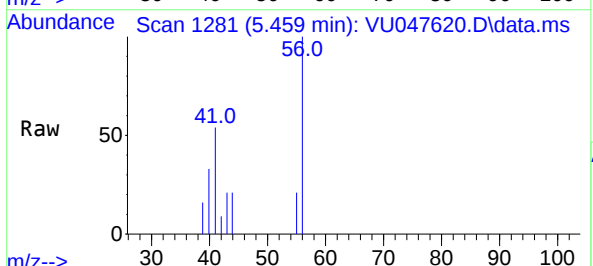
Delta R.T. -0.003 min

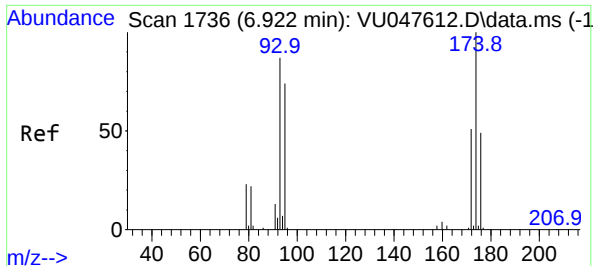
Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

Tgt Ion: 56 Resp: 2362

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 41  | 56.0  | 26.0  | 78.0  |





#43

Dibromomethane

Concen: 0.169 ug/l

RT: 6.922 min Scan# 1736

Delta R.T. -0.000 min

Lab File: VU047620.D

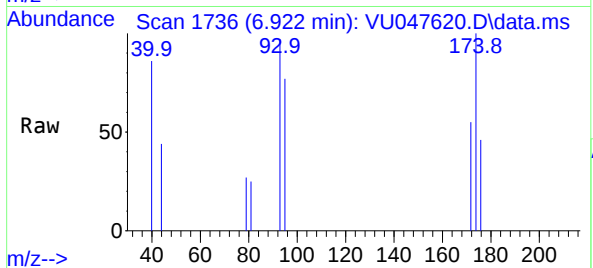
Acq: 18 Mar 2022 17:45

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2022



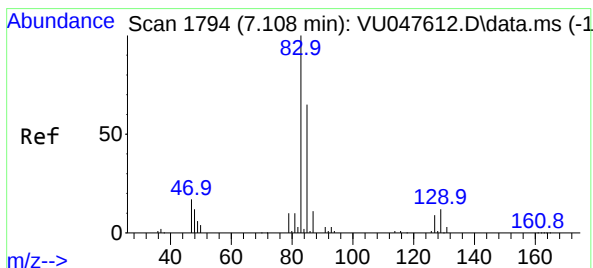
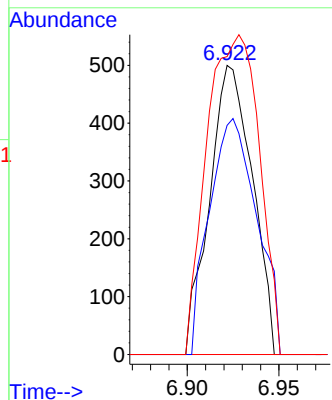
|             |                  |
|-------------|------------------|
| Tgt Ion: 93 | Resp: 81         |
| Ion Ratio   | Lower Upper      |
| 93          | 100              |
| 95          | 90.6 66.2 99.2   |
| 174         | 136.1 70.7 106.1 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#44

Bromodichloromethane

Concen: 0.204 ug/l

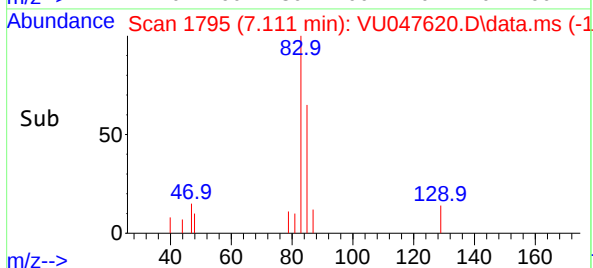
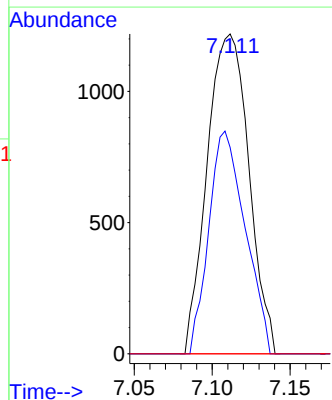
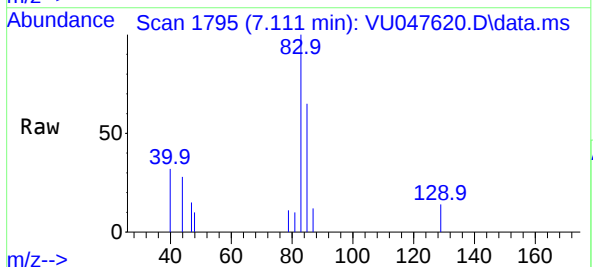
RT: 7.111 min Scan# 1795

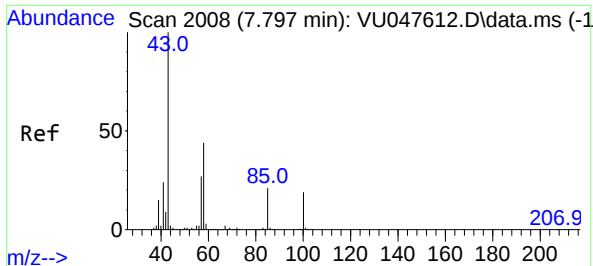
Delta R.T. 0.003 min

Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

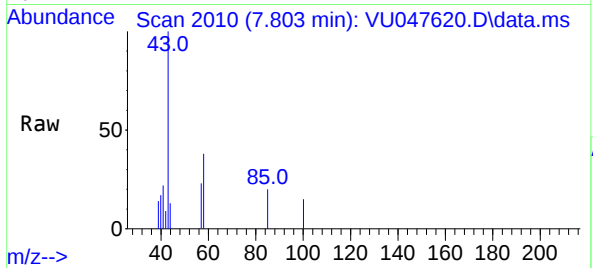
|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 2271     |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 85          | 64.6 50.9 76.3 |
| 127         | 0.0 6.0 9.0    |





#45  
4-Methyl-2-Pentanone  
Concen: 0.922 ug/l  
RT: 7.803 min Scan# 2008  
Delta R.T. 0.006 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

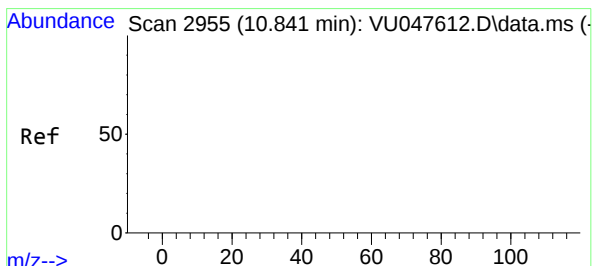
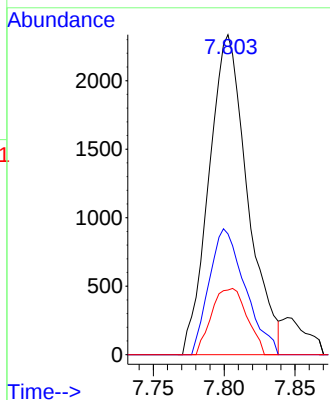
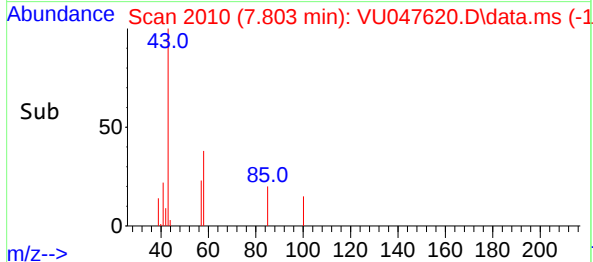
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



Tgt Ion: 43 Resp: 442  
Ion Ratio Lower Upper  
43 100  
58 36.8 21.0 63.0  
85 19.0 14.8 22.2

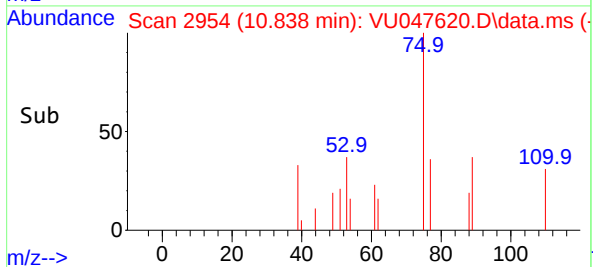
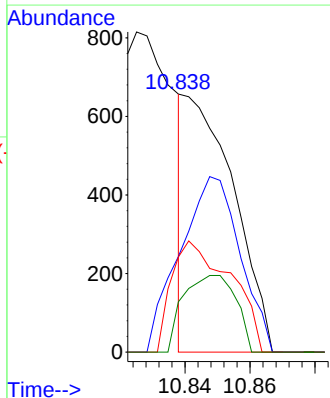
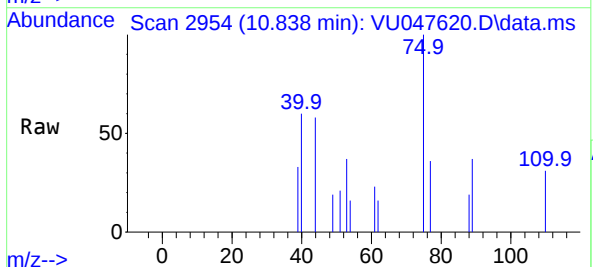
Manual Integrations  
APPROVED

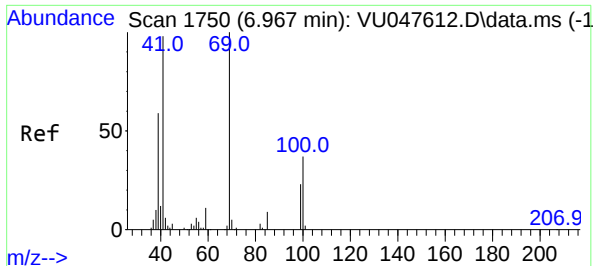
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#46  
t-1,4-Dichloro-2-butene  
Concen: 0.326 ug/l m  
RT: 10.838 min Scan# 2954  
Delta R.T. -0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

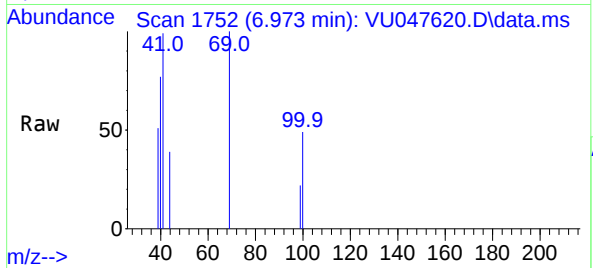
Tgt Ion: 75 Resp: 680  
Ion Ratio Lower Upper  
75 100  
53 84.3 66.8 100.2  
89 52.5 41.7 62.5  
88 32.1 32.3 48.5





#47  
Methyl methacrylate  
Concen: 0.324 ug/l  
RT: 6.973 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

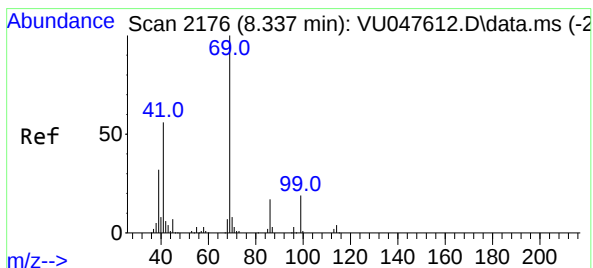
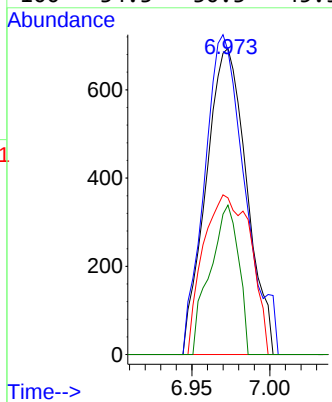
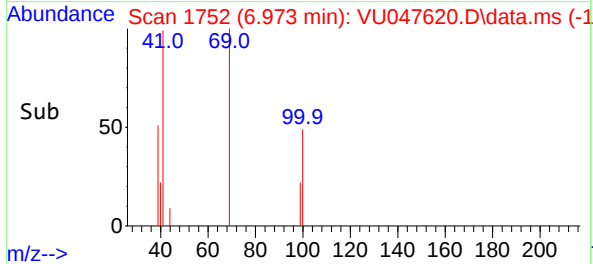
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



Tgt Ion: 69 Resp: 1260  
Ion Ratio Lower Upper  
69 100  
41 103.9 0.0 230.0  
39 60.8 55.1 82.7  
100 34.3 30.3 45.5

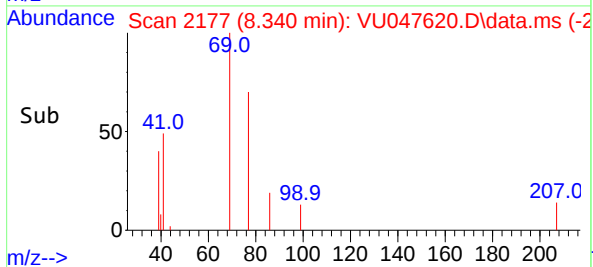
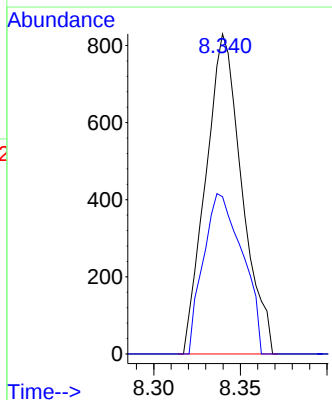
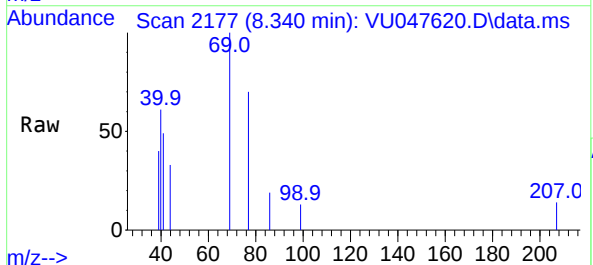
Manual Integrations  
APPROVED

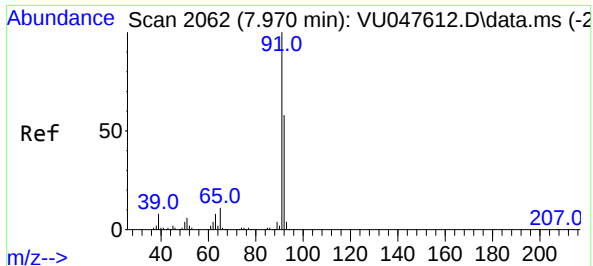
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#48  
Ethyl methacrylate  
Concen: 0.165 ug/l  
RT: 8.340 min Scan# 2177  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

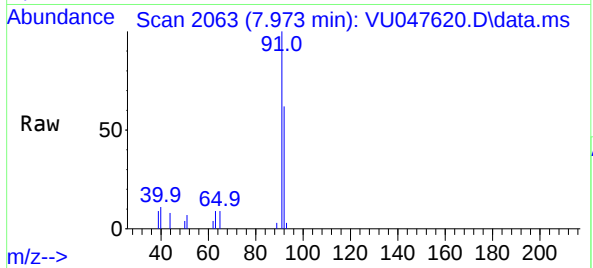
Tgt Ion: 69 Resp: 1205  
Ion Ratio Lower Upper  
69 100  
41 54.0 32.6 98.0





#49  
Toluene  
Concen: 0.189 ug/l  
RT: 7.973 min Scan# 2062  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

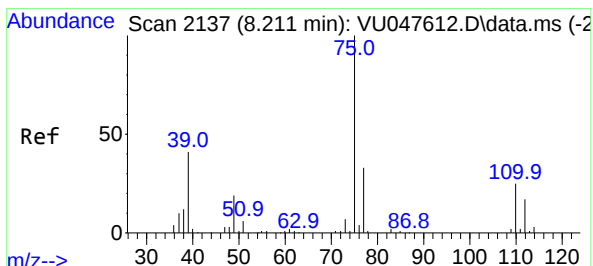
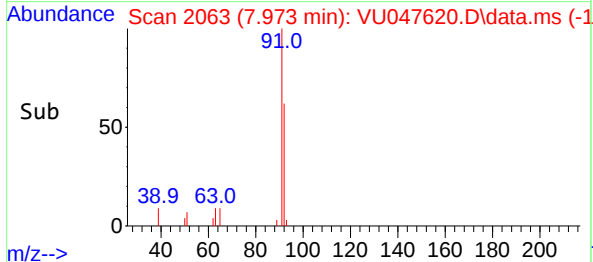
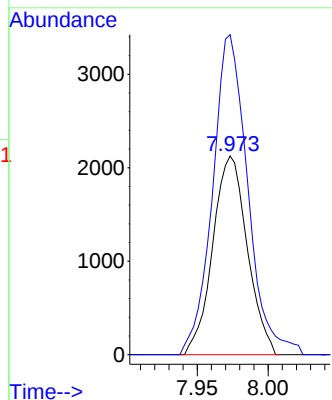
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



Tgt Ion: 92 Resp: 3604  
Ion Ratio Lower Upper  
92 100  
91 164.1 136.8 205.2

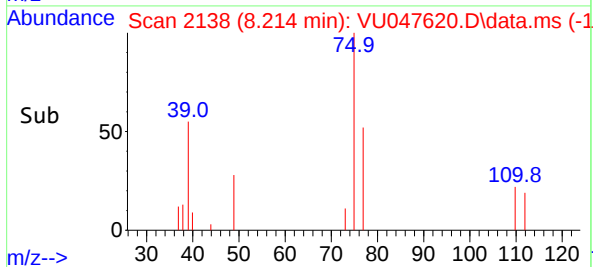
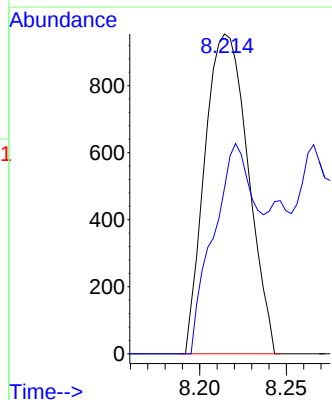
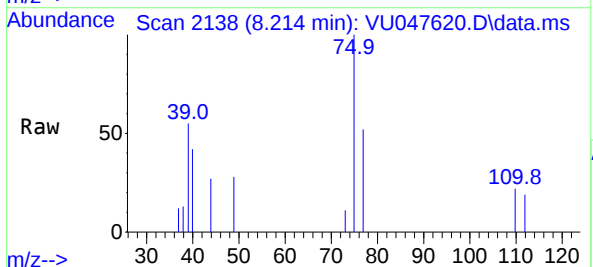
Manual Integrations  
APPROVED

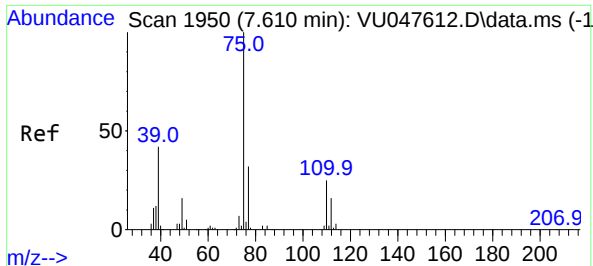
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#50  
t-1,3-Dichloropropene  
Concen: 0.160 ug/l  
RT: 8.214 min Scan# 2138  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

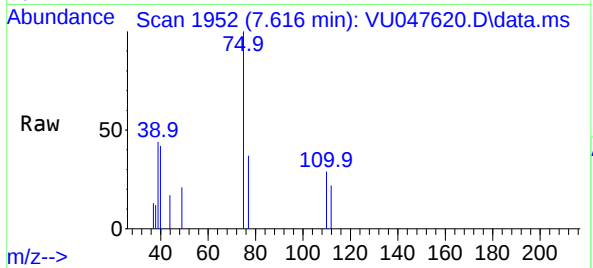
Tgt Ion: 75 Resp: 1653  
Ion Ratio Lower Upper  
75 100  
77 51.9 25.6 38.4#





#51  
cis-1,3-Dichloropropene  
Concen: 0.170 ug/l  
RT: 7.616 min Scan# 1952  
Delta R.T. 0.006 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

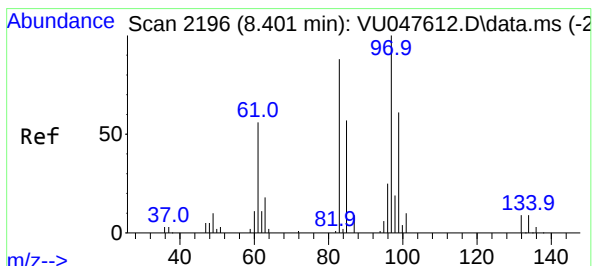
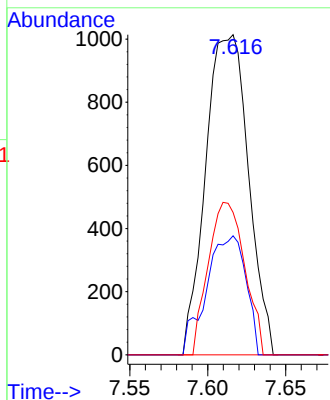
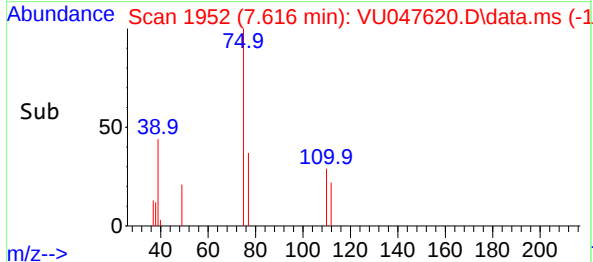
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022



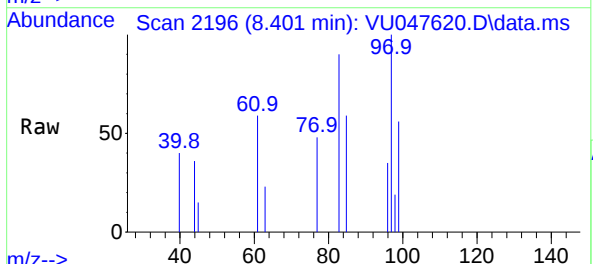
Tgt Ion: 75 Resp: 1934  
Ion Ratio Lower Upper  
75 100  
77 37.2 25.2 37.8  
39 44.5 38.6 57.8

Manual Integrations  
APPROVED

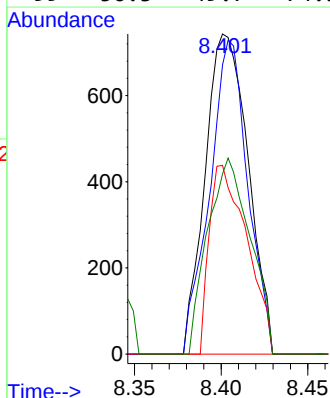
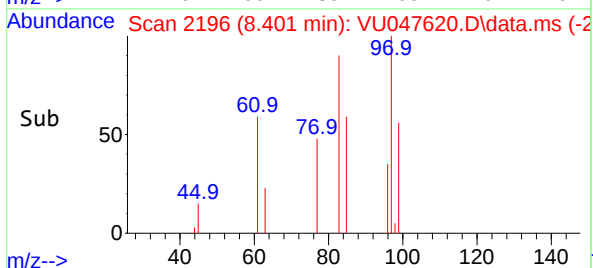
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

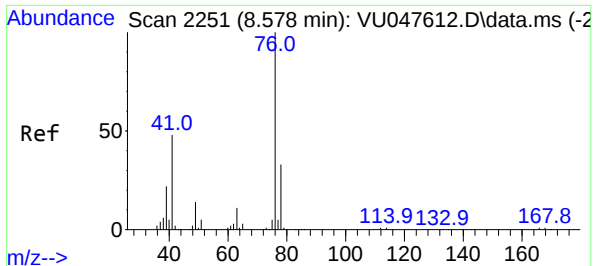


#52  
1,1,2-Trichloroethane  
Concen: 0.192 ug/l  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



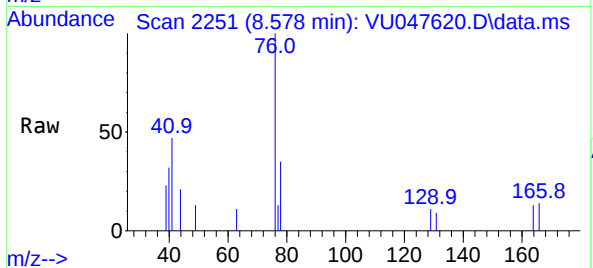
Tgt Ion: 97 Resp: 1284  
Ion Ratio Lower Upper  
97 100  
83 90.3 69.8 104.8  
85 59.0 44.2 66.4  
99 56.3 49.7 74.5





#53  
1,3-Dichloropropane  
Concen: 0.186 ug/l  
RT: 8.578 min Scan# 2251  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

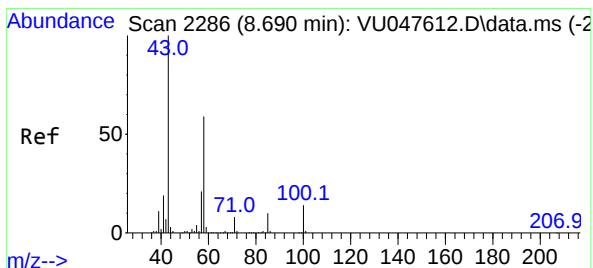
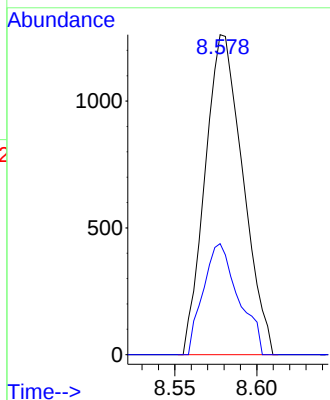
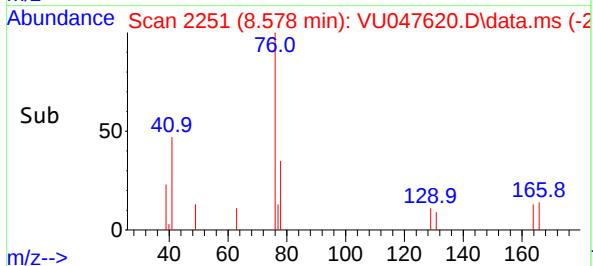
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022



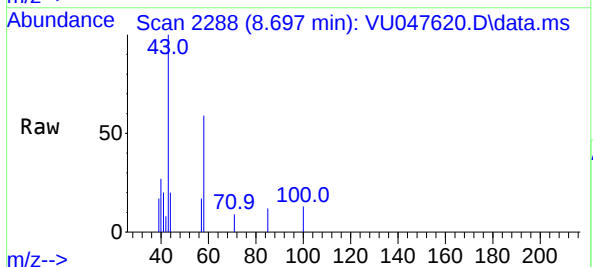
Tgt Ion: 76 Resp: 2018  
Ion Ratio Lower Upper  
76 100  
78 32.4 25.4 38.2

Manual Integrations  
APPROVED

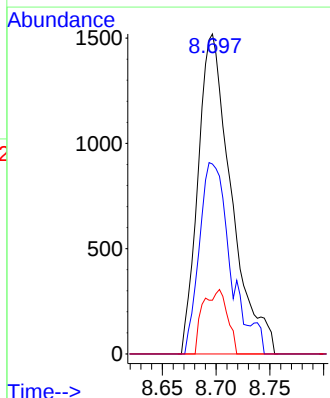
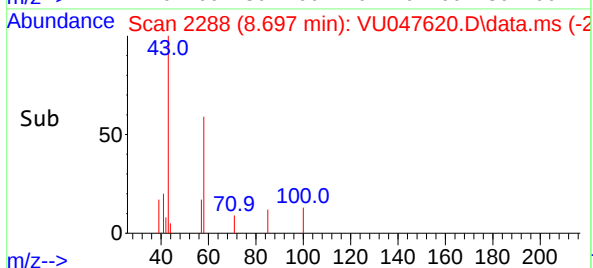
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

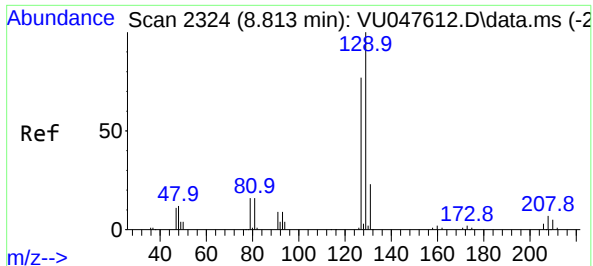


#54  
2-Hexanone  
Concen: 0.930 ug/l  
RT: 8.697 min Scan# 2288  
Delta R.T. 0.006 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



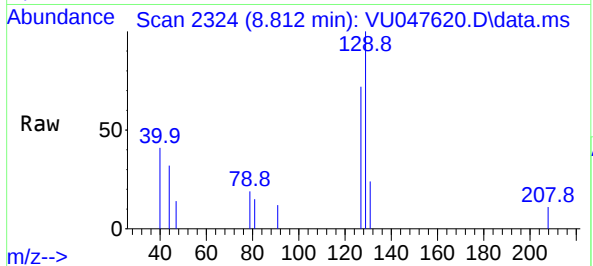
Tgt Ion: 43 Resp: 3258  
Ion Ratio Lower Upper  
43 100  
58 54.2 37.7 77.7  
57 14.7 0.5 40.5





#55  
Dibromochloromethane  
Concen: 0.198 ug/l  
RT: 8.812 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

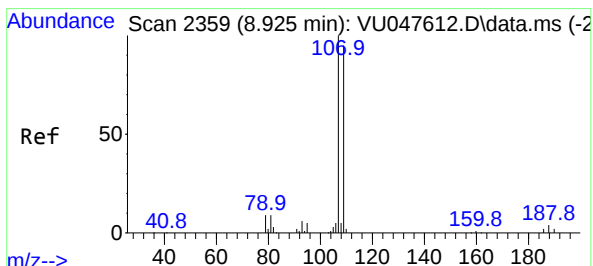
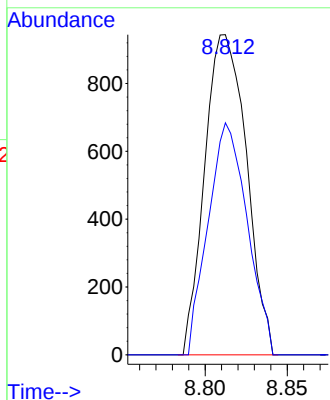
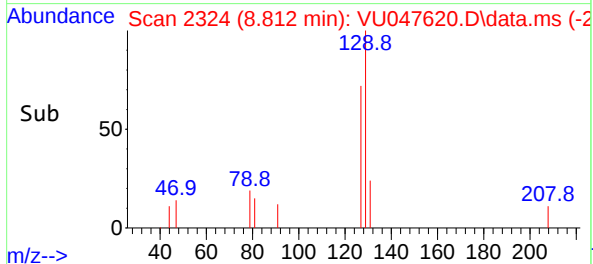
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



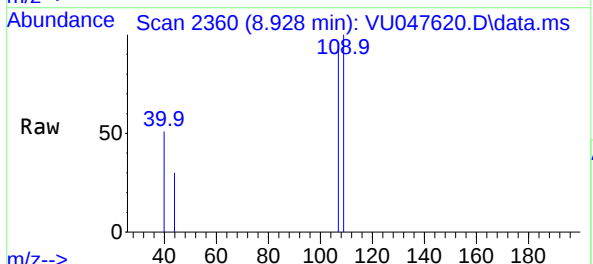
Tgt Ion:129 Resp: 167  
Ion Ratio Lower Upper  
129 100  
127 67.8 62.2 93.4

Manual Integrations  
APPROVED

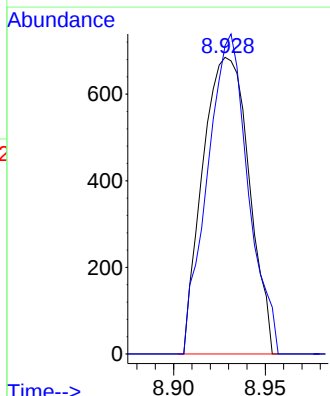
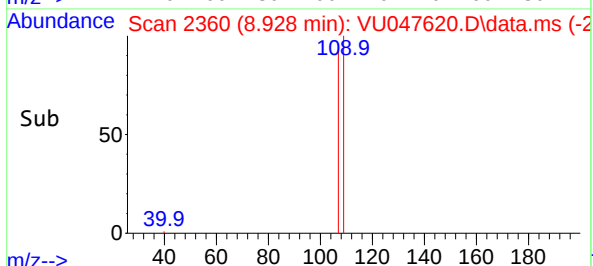
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

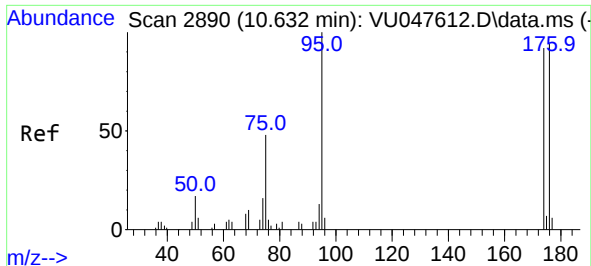


#56  
1,2-Dibromoethane  
Concen: 0.181 ug/l  
RT: 8.928 min Scan# 2360  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



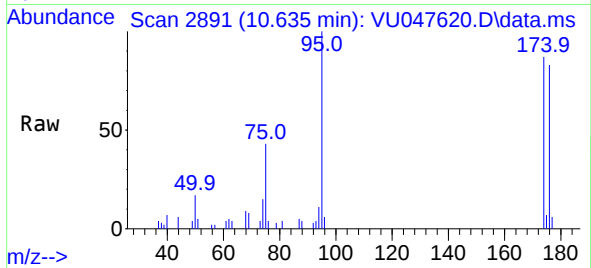
Tgt Ion:107 Resp: 1206  
Ion Ratio Lower Upper  
107 100  
109 94.9 0.0 185.0





#57  
4-Bromofluorobenzene  
Concen: 0.848 ug/l  
RT: 10.635 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

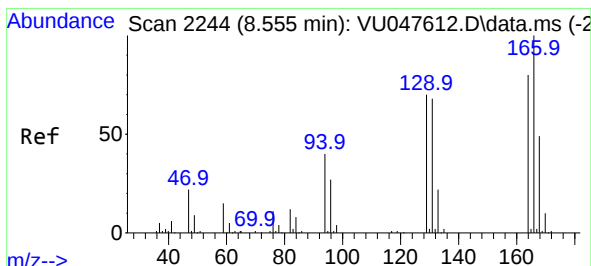
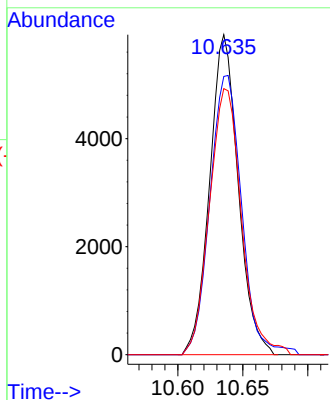
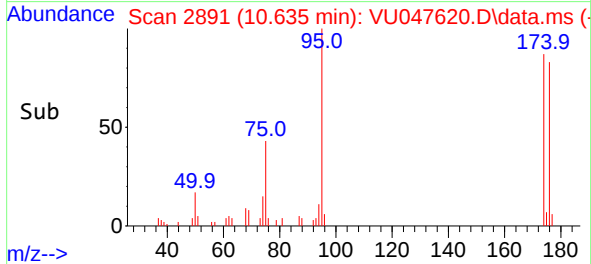
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



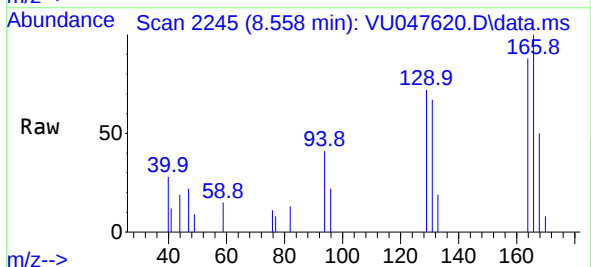
Tgt Ion: 95 Resp: 905  
Ion Ratio Lower Upper  
95 100  
174 96.6 56.6 84.8  
176 92.9 54.3 81.5

Manual Integrations  
APPROVED

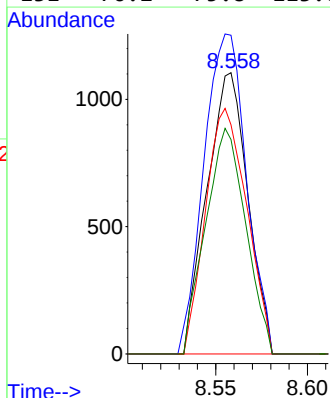
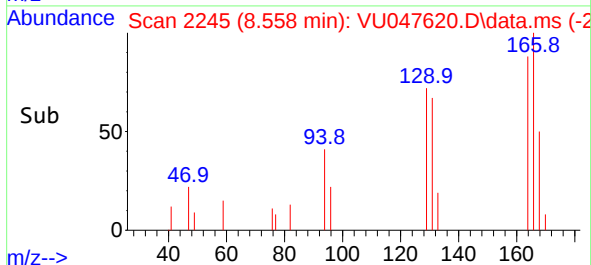
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

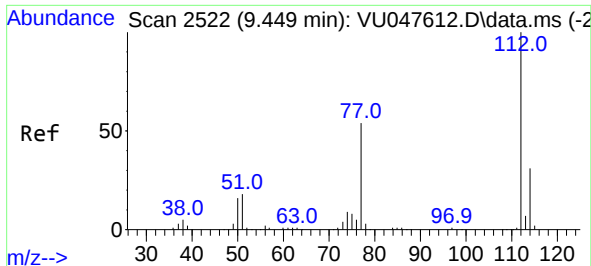


#58  
Tetrachloroethene  
Concen: 0.207 ug/l  
RT: 8.558 min Scan# 2245  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



Tgt Ion:164 Resp: 1715  
Ion Ratio Lower Upper  
164 100  
166 113.3 102.0 153.0  
129 81.4 77.1 115.7  
131 76.2 75.8 113.6





#59

Chlorobenzene

Concen: 0.184 ug/l

RT: 9.452 min Scan# 2105

Delta R.T. 0.003 min

Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2022

Tgt Ion:112 Resp: 4105

Ion Ratio Lower Upper

112 100

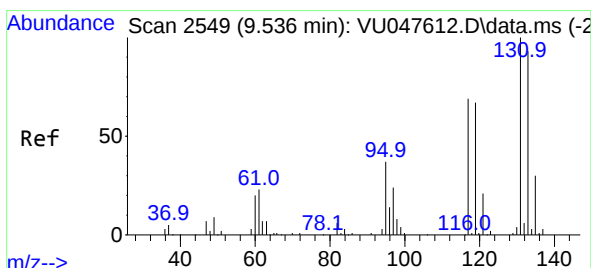
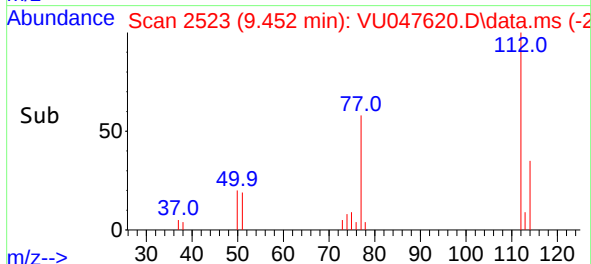
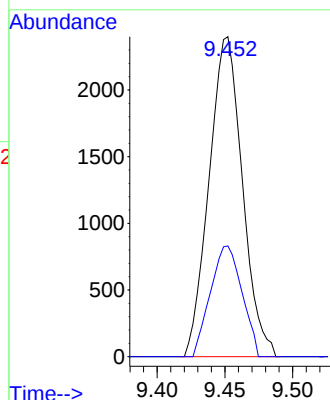
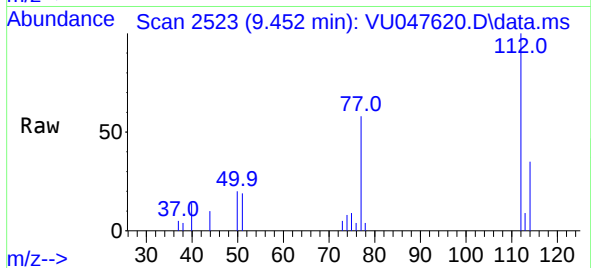
114 34.6 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#60

1,1,1,2-Tetrachloroethane

Concen: 0.194 ug/l

RT: 9.539 min Scan# 2550

Delta R.T. 0.003 min

Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

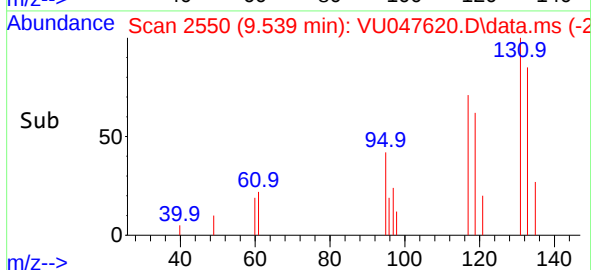
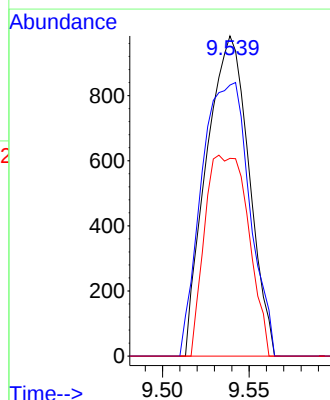
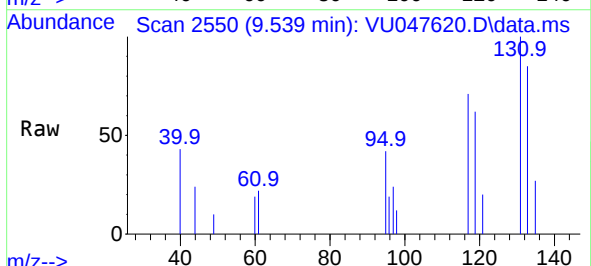
Tgt Ion:131 Resp: 1676

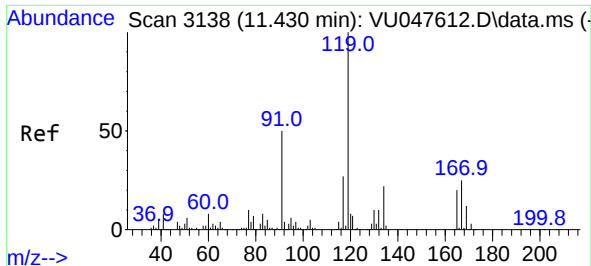
Ion Ratio Lower Upper

131 100

133 96.6 76.0 114.0

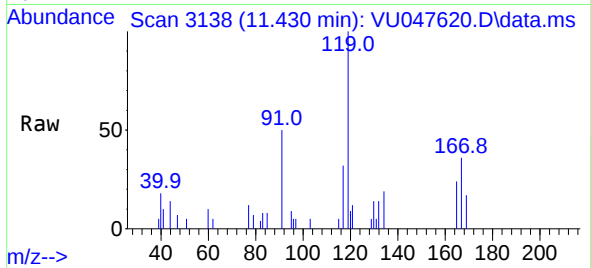
119 64.6 54.9 82.3





#61  
Pentachloroethane  
Concen: 0.170 ug/l  
RT: 11.430 min Scan# 3138  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

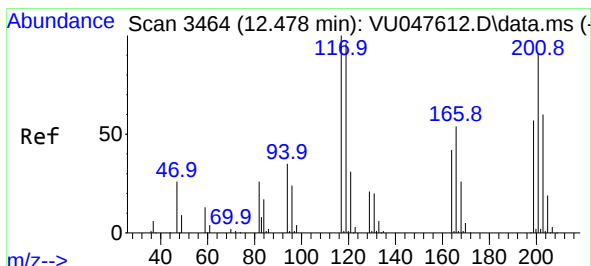
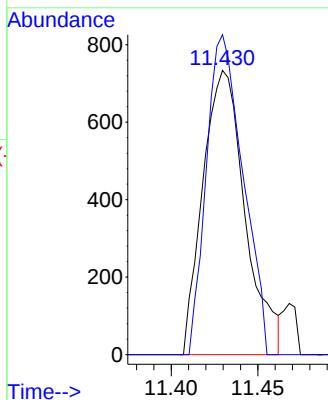
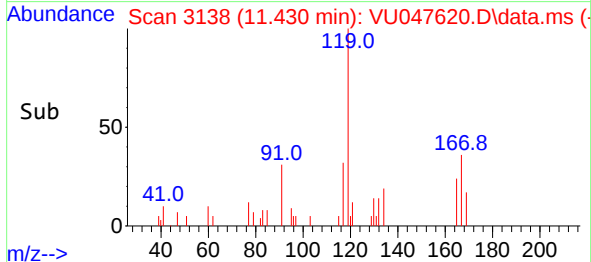
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022



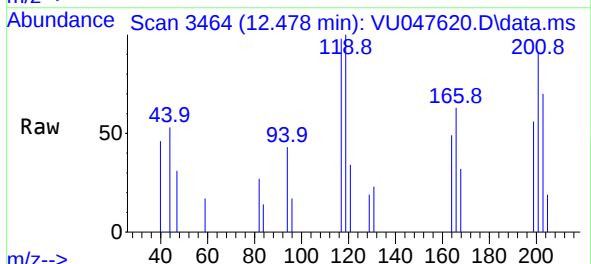
Tgt Ion:117 Resp: 124  
Ion Ratio Lower Upper  
117 100  
167 97.4 59.7 89.5

Manual Integrations  
APPROVED

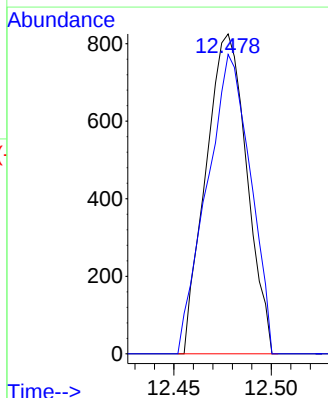
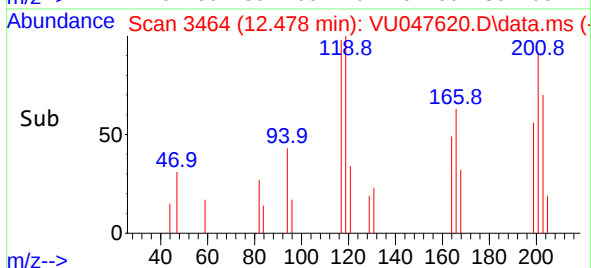
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

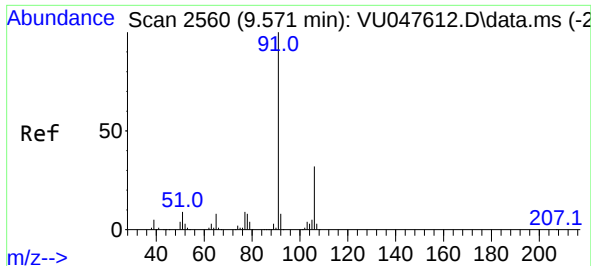


#62  
Hexachloroethane  
Concen: 0.166 ug/l  
RT: 12.478 min Scan# 3464  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



Tgt Ion:117 Resp: 1206  
Ion Ratio Lower Upper  
117 100  
201 99.3 53.6 80.4





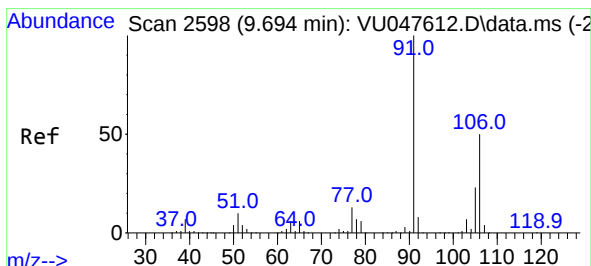
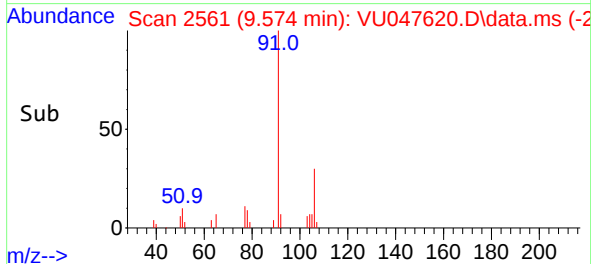
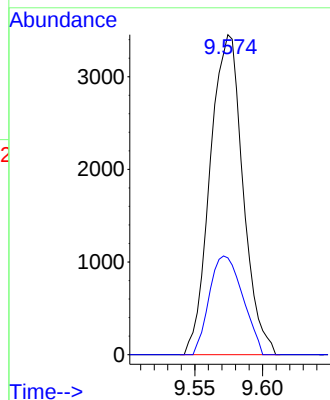
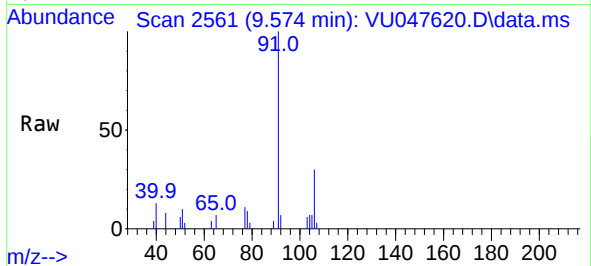
#63  
Ethyl Benzene  
Concen: 0.167 ug/l  
RT: 9.574 min Scan# 2560  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022

Tgt Ion: 91 Resp: 581  
Ion Ratio Lower Upper  
91 100  
106 30.3 24.4 36.6

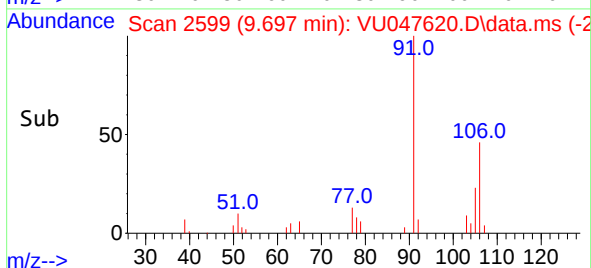
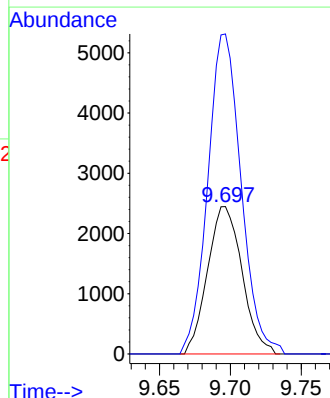
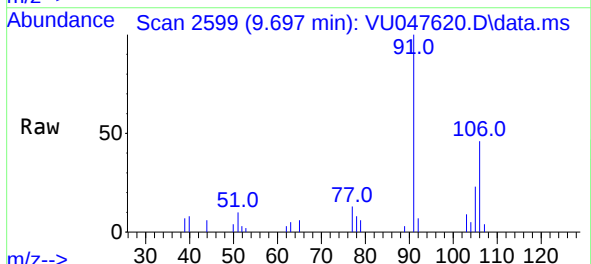
Manual Integrations  
APPROVED

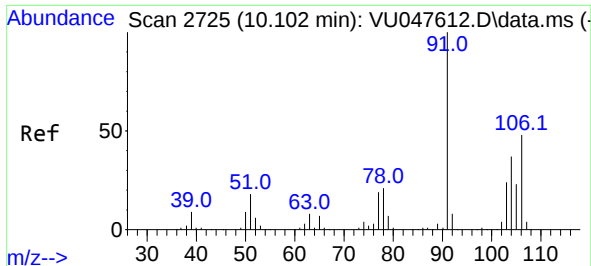
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#64  
m/p-Xylenes  
Concen: 0.300 ug/l  
RT: 9.697 min Scan# 2599  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Tgt Ion:106 Resp: 4149  
Ion Ratio Lower Upper  
106 100  
91 209.4 165.5 248.3





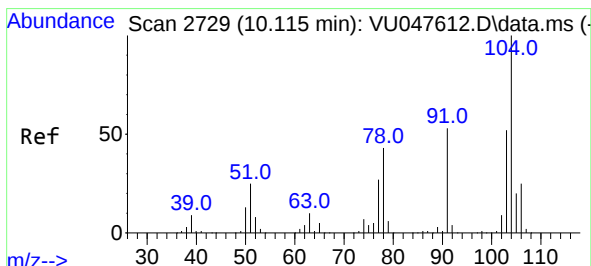
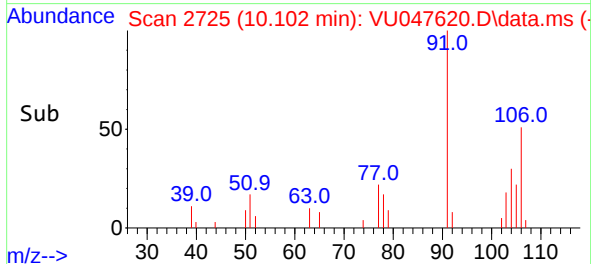
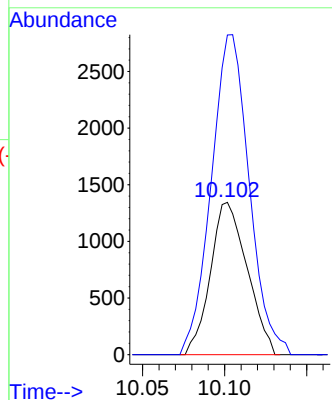
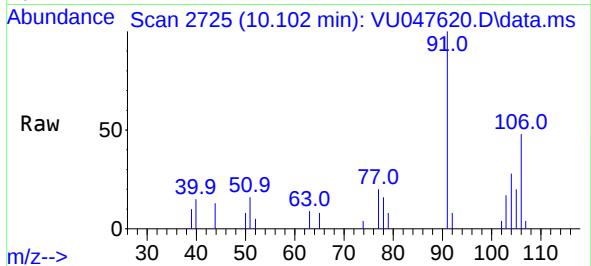
#65  
o-Xylene  
Concen: 0.159 ug/l  
RT: 10.102 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022

Tgt Ion:106 Resp: 2090  
Ion Ratio Lower Upper  
106 100  
91 217.1 109.4 328.2

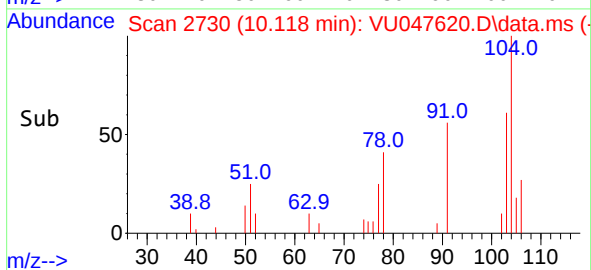
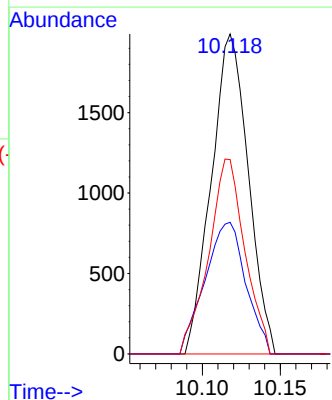
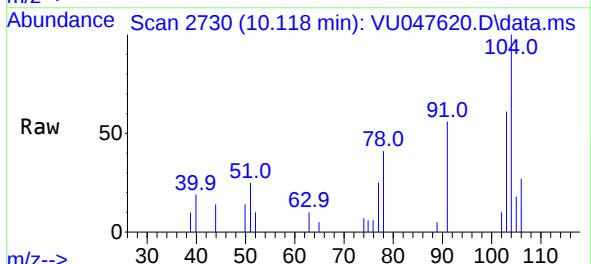
Manual Integrations  
APPROVED

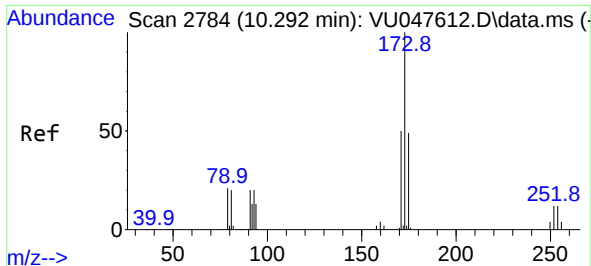
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#66  
Styrene  
Concen: 0.145 ug/l  
RT: 10.118 min Scan# 2730  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

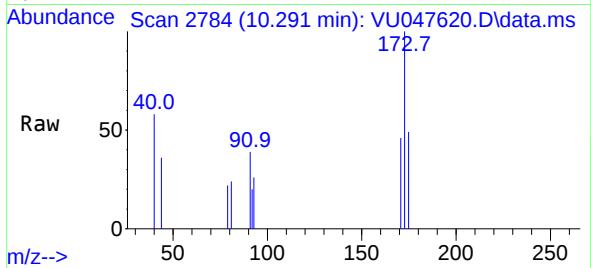
Tgt Ion:104 Resp: 3280  
Ion Ratio Lower Upper  
104 100  
78 45.5 42.4 63.6  
103 59.6 44.2 66.4





#67  
Bromoform  
Concen: 0.173 ug/l  
RT: 10.291 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

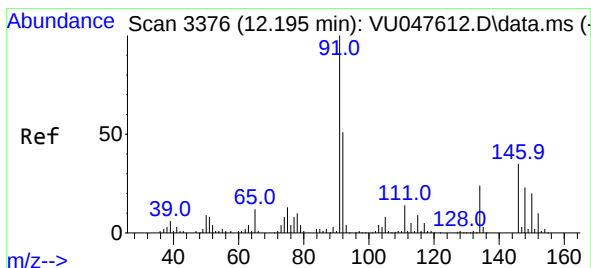
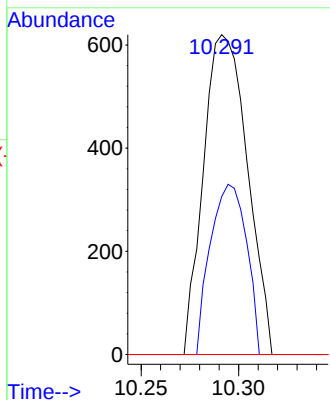
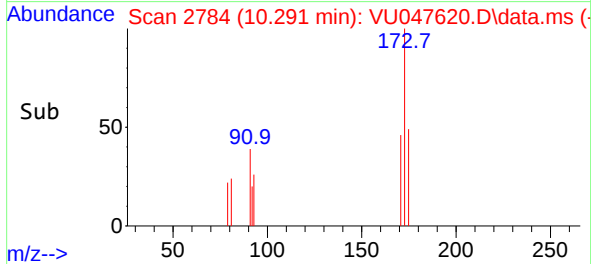
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



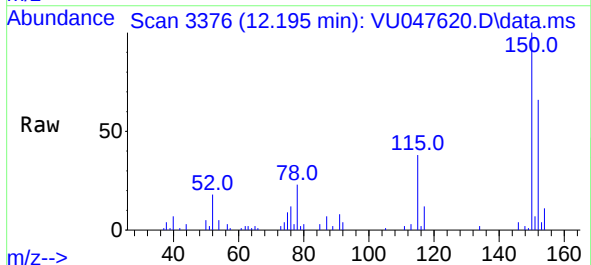
Tgt Ion:173 Resp: 97  
Ion Ratio Lower Upper  
173 100  
175 43.7 39.0 58.4  
254 0.0 5.5 8.3

Manual Integrations  
APPROVED

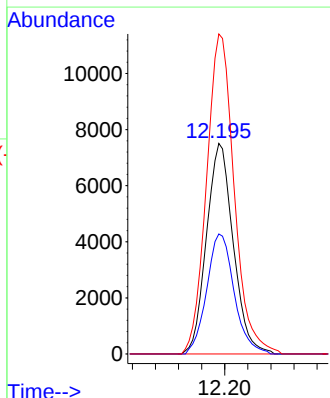
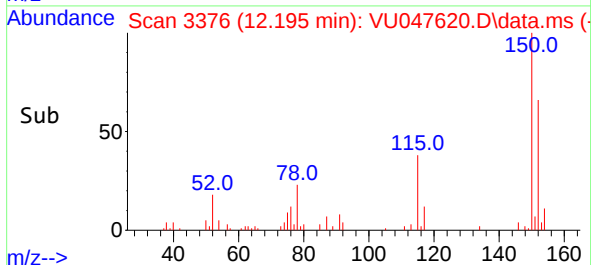
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

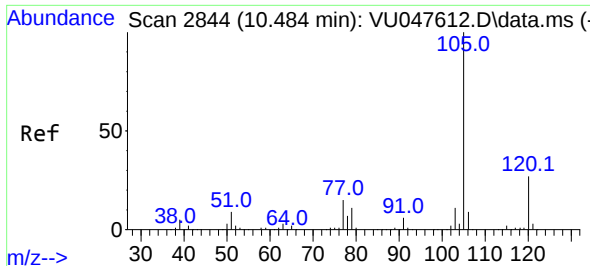


#68  
1,2-Dichlorobenzene-d4  
Concen: 0.933 ug/l  
RT: 12.195 min Scan# 3376  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



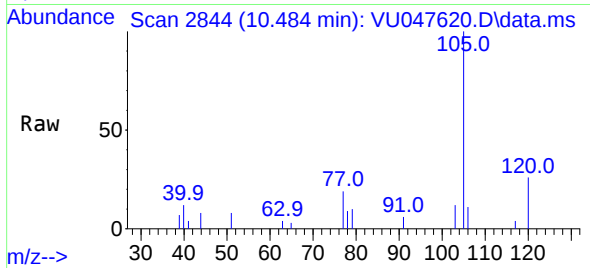
Tgt Ion:152 Resp: 12079  
Ion Ratio Lower Upper  
152 100  
115 58.4 0.0 251.0  
150 157.0 0.0 613.8





#69  
Isopropylbenzene  
Concen: 0.160 ug/l  
RT: 10.484 min Scan# 2844  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

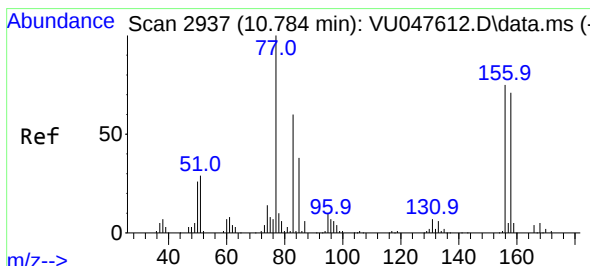
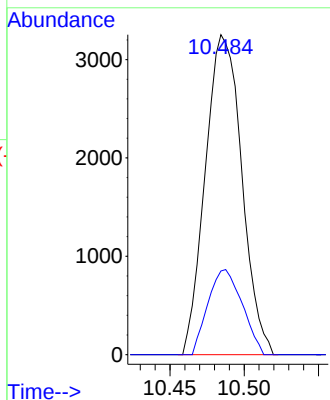
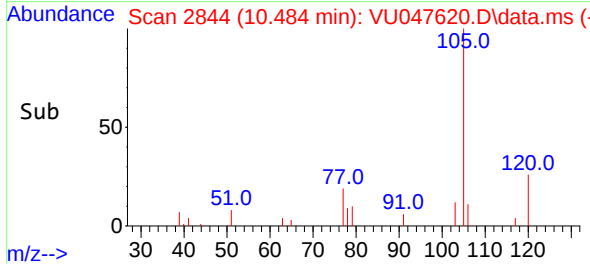
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022



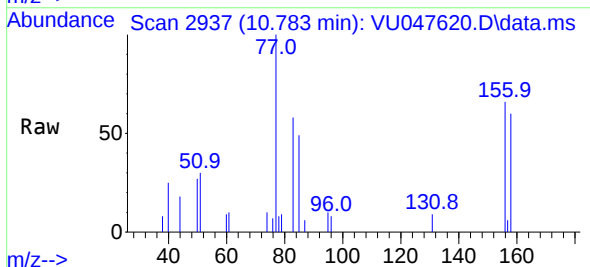
Tgt Ion:105 Resp: 5554  
Ion Ratio Lower Upper  
105 100  
120 24.9 12.8 38.4

Manual Integrations  
APPROVED

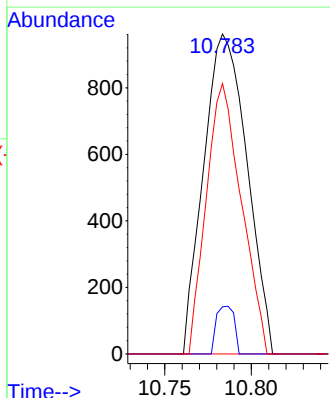
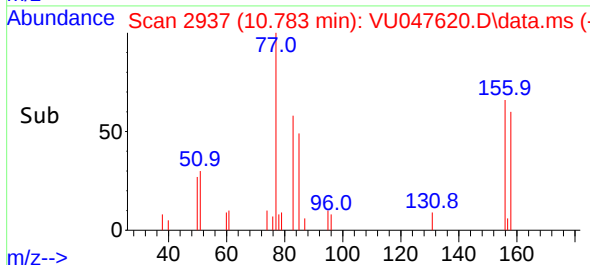
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

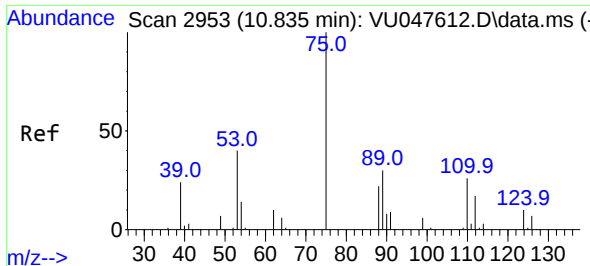


#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.188 ug/l  
RT: 10.783 min Scan# 2937  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



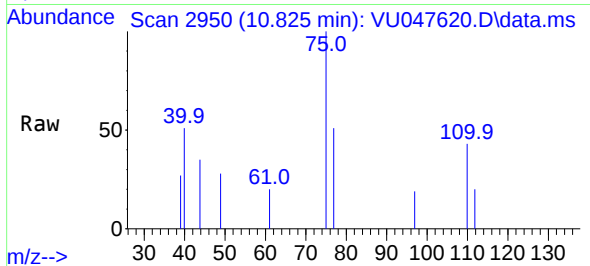
Tgt Ion: 83 Resp: 1676  
Ion Ratio Lower Upper  
83 100  
131 6.1 7.6 11.4#  
85 68.4 50.9 76.3





#71  
1,2,3-Trichloropropane  
Concen: 0.174 ug/l m  
RT: 10.825 min Scan# 2953  
Delta R.T. -0.010 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022

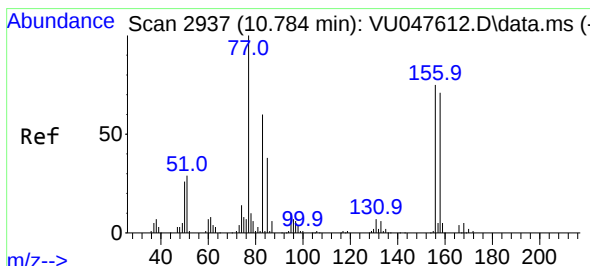
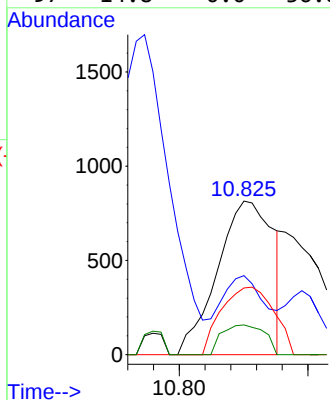
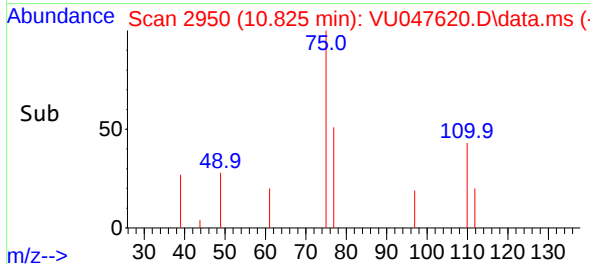


Tgt Ion: 75 Resp: 1224

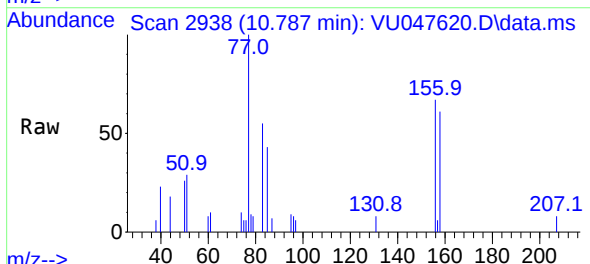
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 40.8  | 0.0   | 105.6 |
| 110 | 41.4  | 0.0   | 71.2  |
| 97  | 14.8  | 0.0   | 36.8  |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

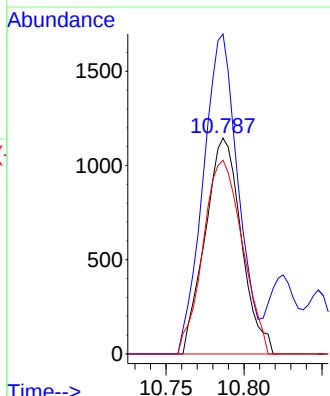
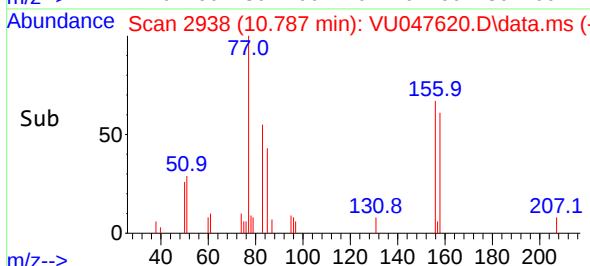


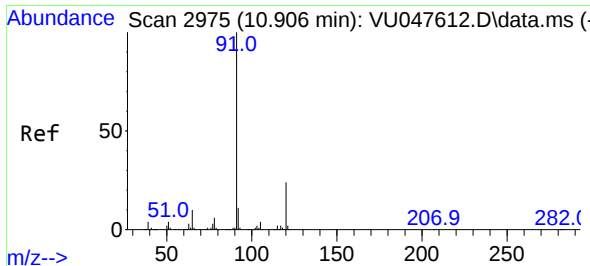
#72  
Bromobenzene  
Concen: 0.178 ug/l  
RT: 10.787 min Scan# 2938  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



Tgt Ion:156 Resp: 1854

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 156 | 100   |       |       |
| 77  | 141.7 | 0.0   | 370.6 |
| 158 | 97.2  | 0.0   | 193.4 |





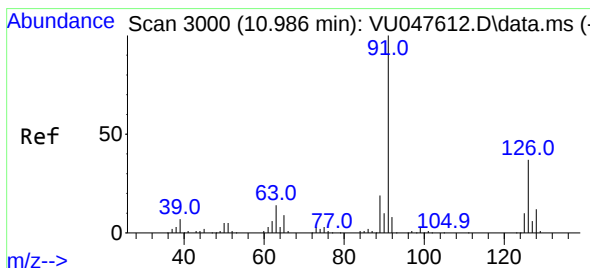
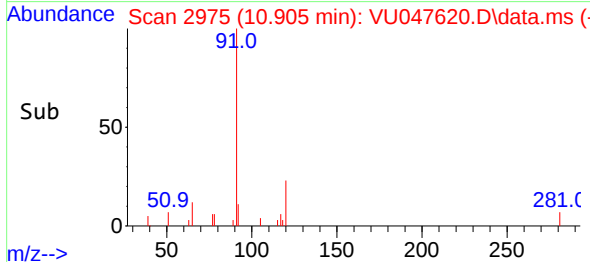
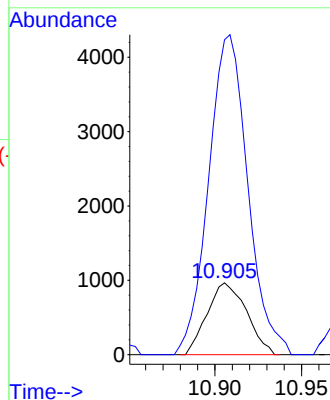
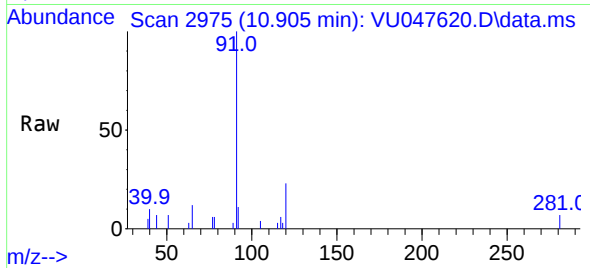
#73  
n-propylbenzene  
Concen: 0.152 ug/l  
RT: 10.905 min Scan# 2975  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2022

Tgt Ion:120 Resp: 1529  
Ion Ratio Lower Upper  
120 100  
91 443.3 370.7 556.1

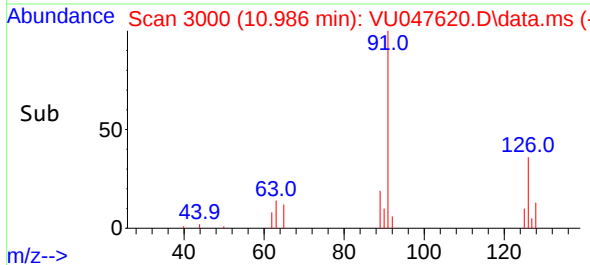
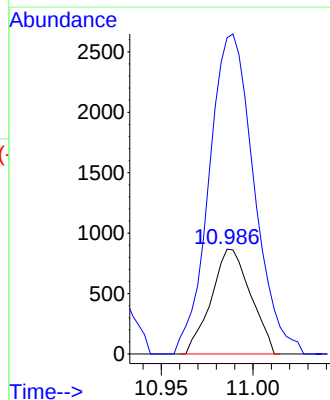
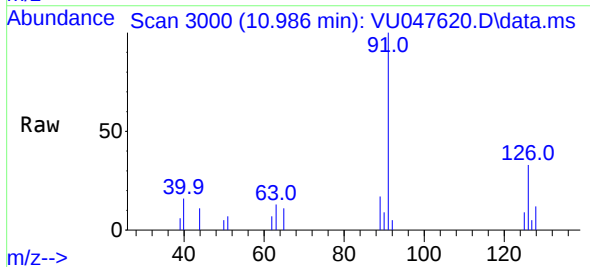
Manual Integrations  
APPROVED

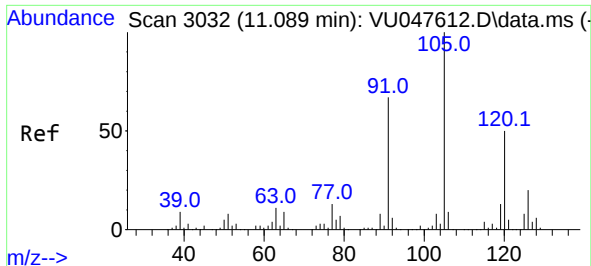
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#74  
2-Chlorotoluene  
Concen: 0.140 ug/l  
RT: 10.986 min Scan# 3000  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Tgt Ion:126 Resp: 1293  
Ion Ratio Lower Upper  
126 100  
91 349.0 0.0 639.6





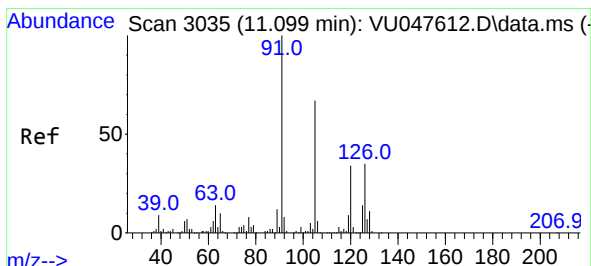
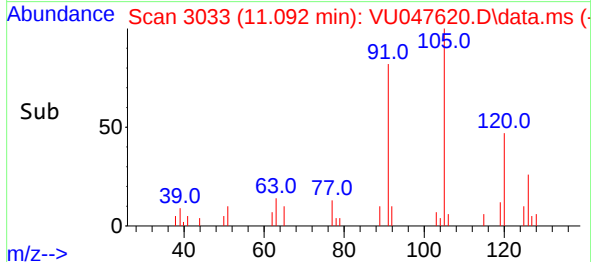
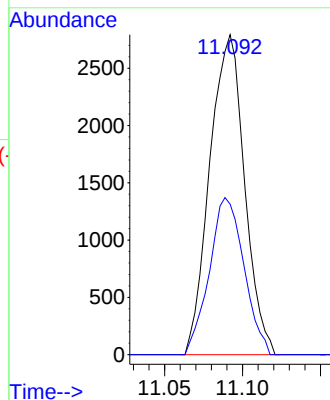
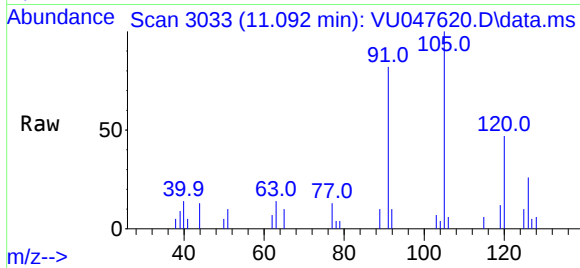
#75  
1,3,5-Trimethylbenzene  
Concen: 0.147 ug/l  
RT: 11.092 min Scan# 3033  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022

Tgt Ion:105 Resp: 433  
Ion Ratio Lower Upper  
105 100  
120 48.8 38.6 58.0

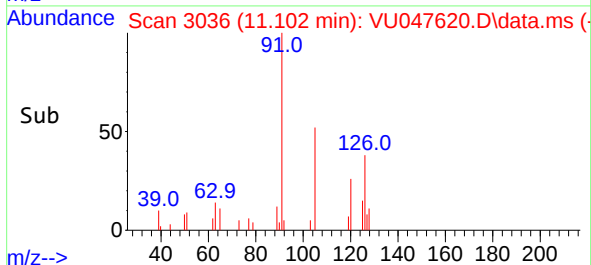
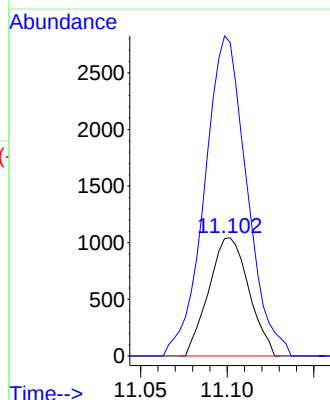
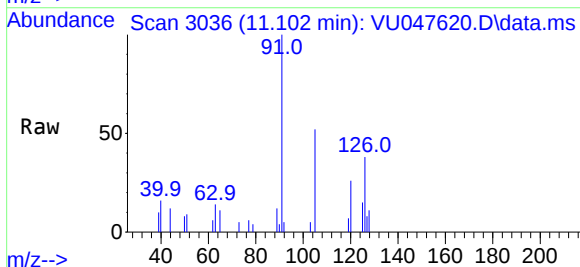
Manual Integrations  
APPROVED

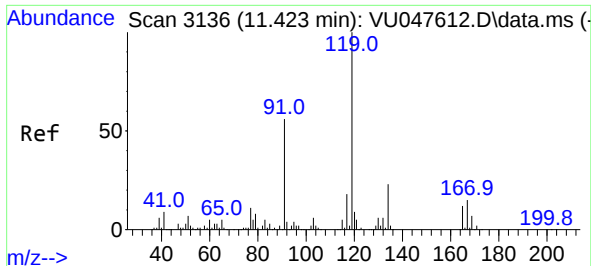
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#76  
4-Chlorotoluene  
Concen: 0.170 ug/l  
RT: 11.102 min Scan# 3036  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Tgt Ion:126 Resp: 1675  
Ion Ratio Lower Upper  
126 100  
91 285.4 0.0 728.0





#77

tert-Butylbenzene

Concen: 0.165 ug/l

RT: 11.423 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2022

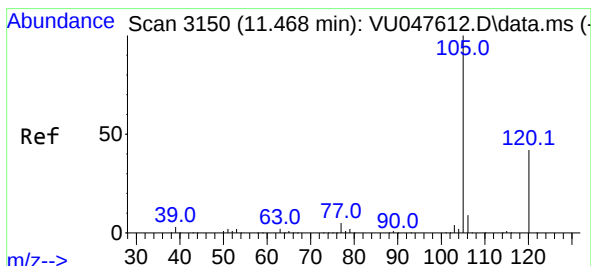
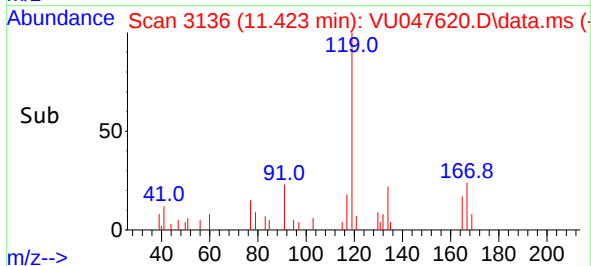
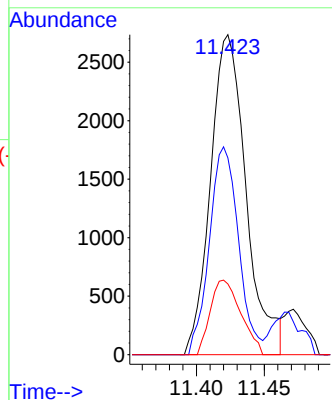
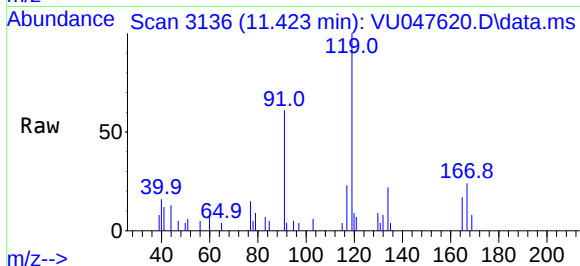
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 119   | Resp: | 500  |
| Ion Ratio | Lower | Upper |      |
| 119       | 100   |       |      |
| 91        | 53.4  | 31.4  | 94.3 |
| 134       | 20.0  | 18.5  | 27.7 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#78

1,2,4-Trimethylbenzene

Concen: 0.138 ug/l

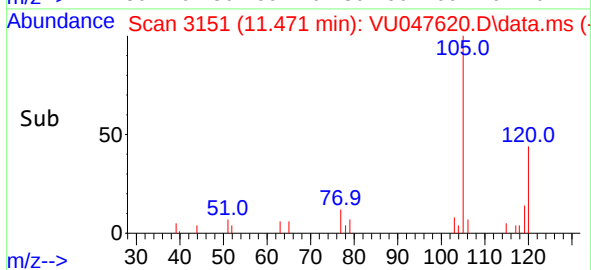
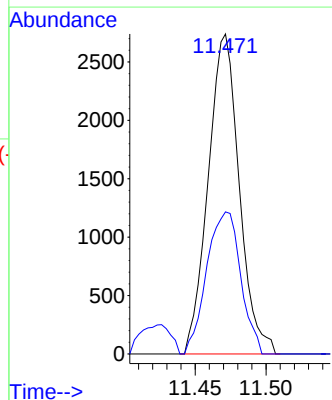
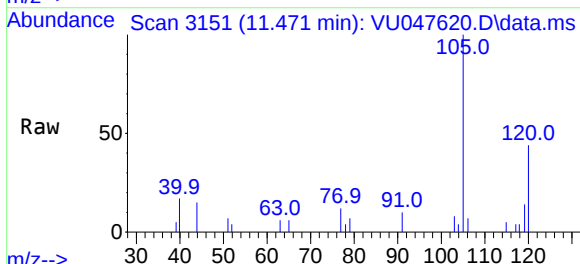
RT: 11.471 min Scan# 3151

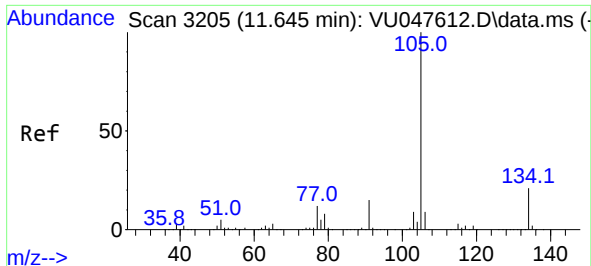
Delta R.T. 0.003 min

Lab File: VU047620.D

Acq: 18 Mar 2022 17:45

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 105   | Resp: | 4178 |
| Ion Ratio | Lower | Upper |      |
| 105       | 100   |       |      |
| 120       | 48.5  | 22.3  | 66.8 |





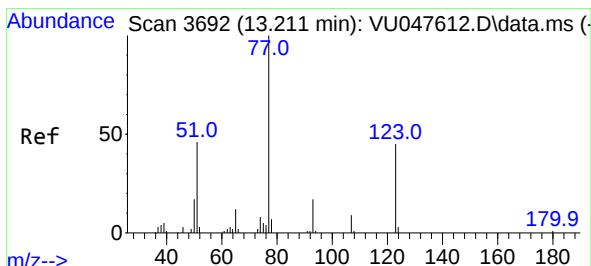
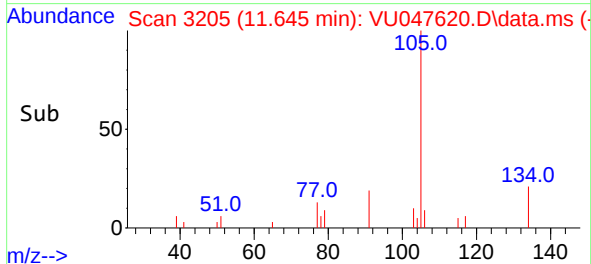
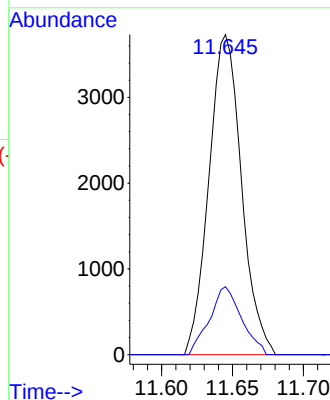
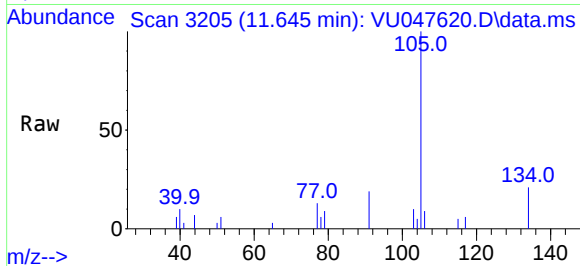
#79  
 sec-Butylbenzene  
 Concen: 0.151 ug/l  
 RT: 11.645 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU047620.D  
 Acq: 18 Mar 2022 17:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2022

Tgt Ion:105 Resp: 596  
 Ion Ratio Lower Upper  
 105 100  
 134 20.9 15.4 23.0

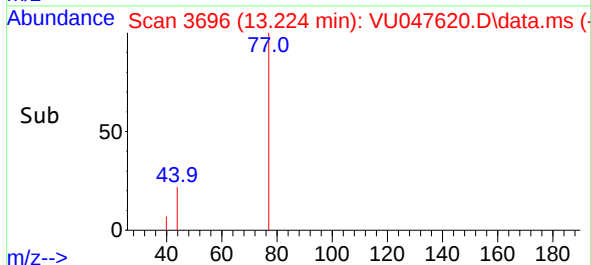
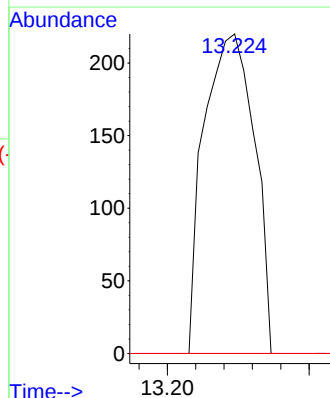
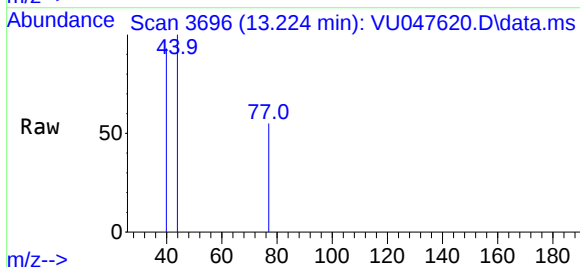
Manual Integrations  
 APPROVED

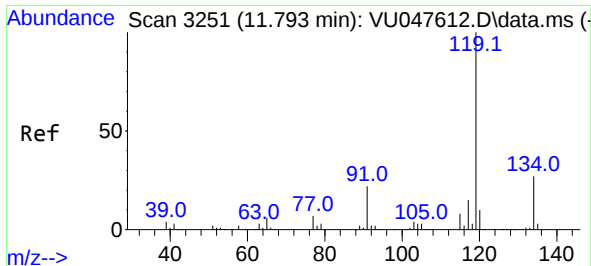
Reviewed By :John Carlone 03/31/2022  
 Supervised By :Mahesh Dadoda 03/31/2022



#80  
 Nitrobenzene  
 Concen: 0.746 ug/l  
 RT: 13.224 min Scan# 3696  
 Delta R.T. 0.013 min  
 Lab File: VU047620.D  
 Acq: 18 Mar 2022 17:45

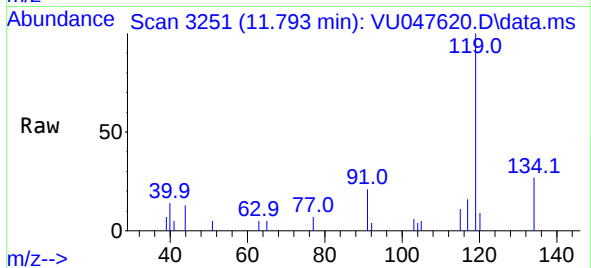
Tgt Ion: 77 Resp: 271  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 18.2 64.4#  
 65 0.0 12.0 15.2#





#81  
p-Isopropyltoluene  
Concen: 0.133 ug/l  
RT: 11.793 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

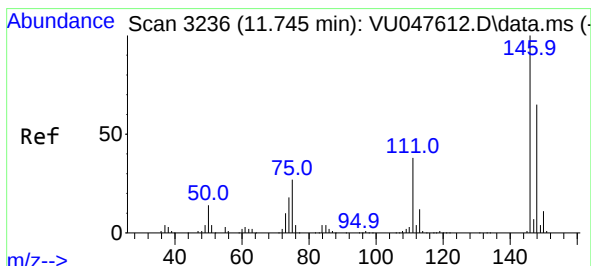
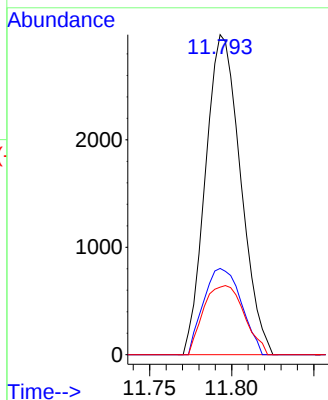
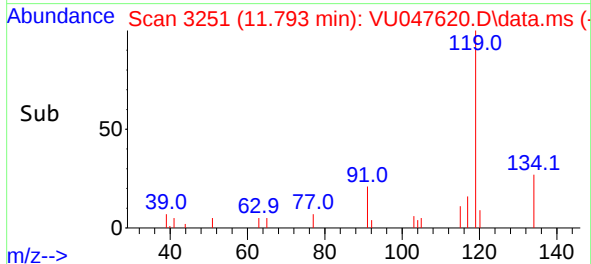
Instrument : MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



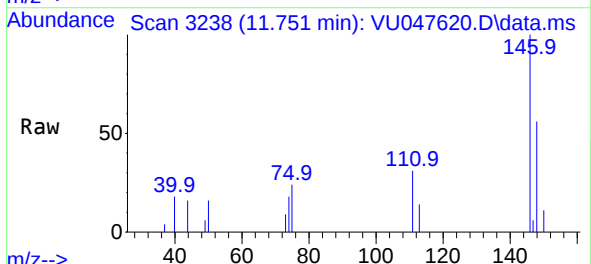
Tgt Ion:119 Resp: 442  
Ion Ratio Lower Upper  
119 100  
134 29.0 20.2 30.4  
91 25.1 19.9 29.9

Manual Integrations  
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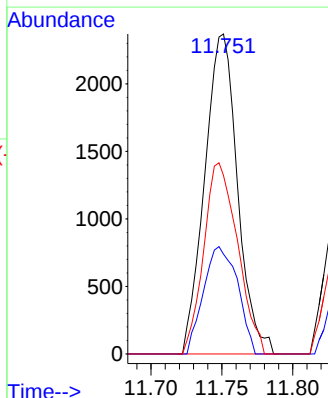
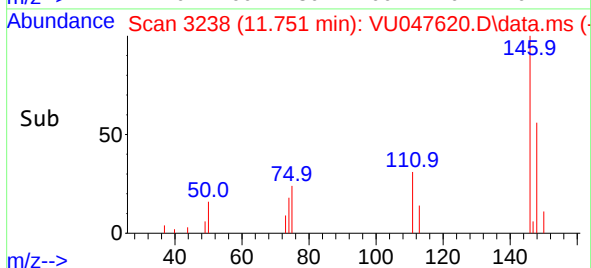
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

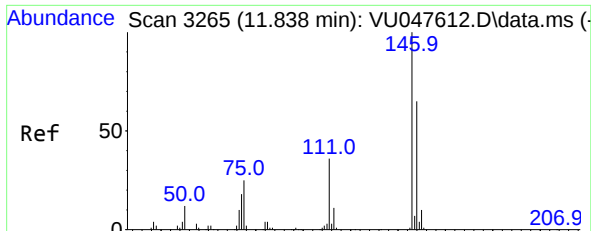


#82  
1,3-Dichlorobenzene  
Concen: 0.186 ug/l  
RT: 11.751 min Scan# 3238  
Delta R.T. 0.006 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



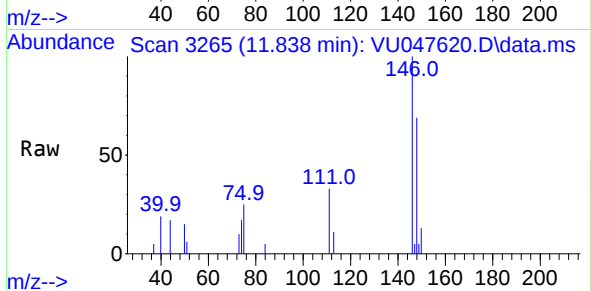
Tgt Ion:146 Resp: 3823  
Ion Ratio Lower Upper  
146 100  
111 34.8 33.9 50.9  
148 61.5 50.9 76.3





#83  
1,4-Dichlorobenzene  
Concen: 0.180 ug/l  
RT: 11.838 min Scan# 3265  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

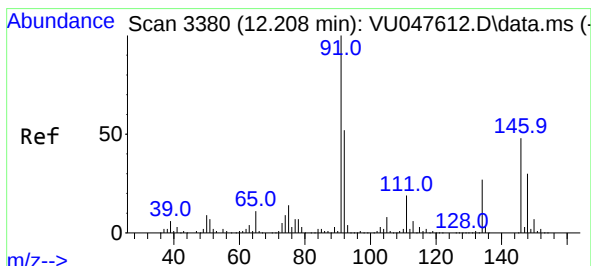
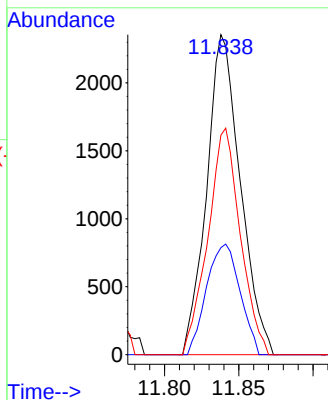
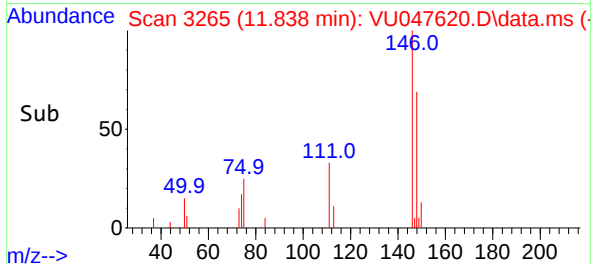
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



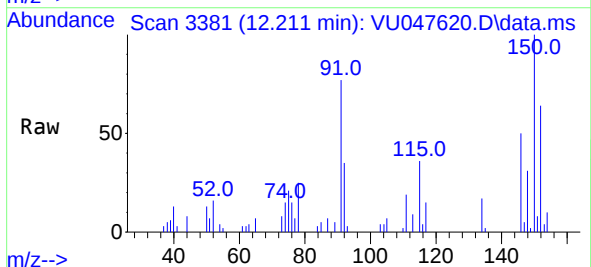
Tgt Ion:146 Resp: 3718  
Ion Ratio Lower Upper  
146 100  
111 34.2 32.7 49.1  
148 68.0 51.4 77.0

Manual Integrations  
APPROVED

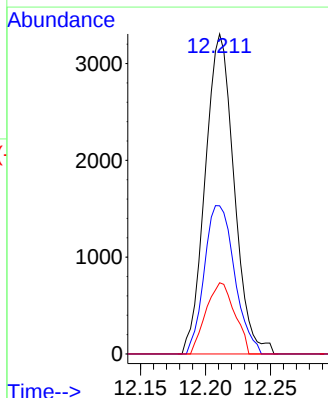
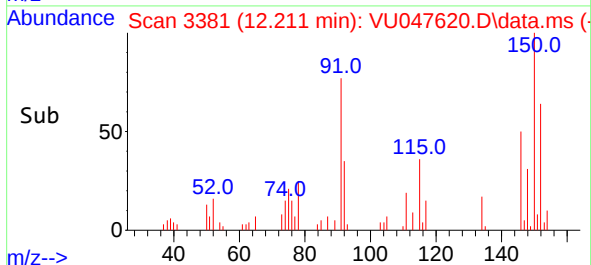
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

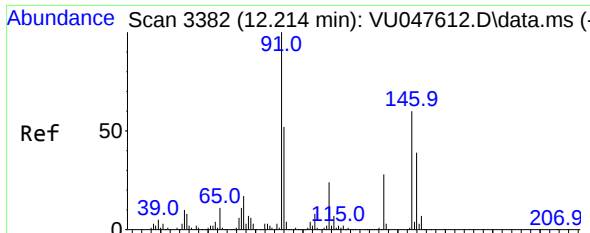


#84  
n-Butylbenzene  
Concen: 0.164 ug/l  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



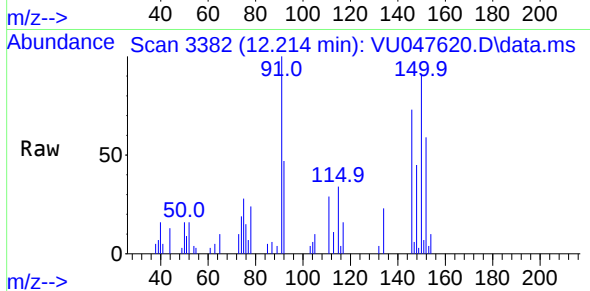
Tgt Ion: 91 Resp: 5107  
Ion Ratio Lower Upper  
91 100  
92 48.6 43.5 65.3  
134 22.0 19.0 28.4





#85  
1,2-Dichlorobenzene  
Concen: 0.191 ug/l  
RT: 12.214 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

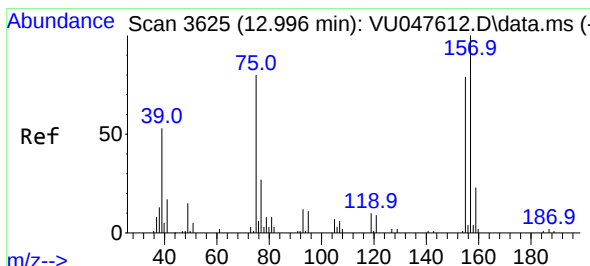
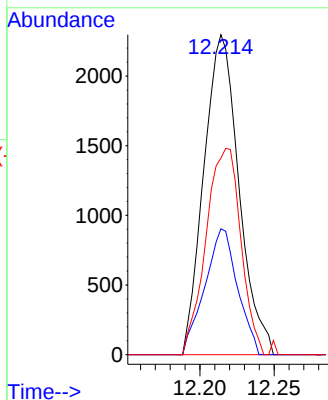
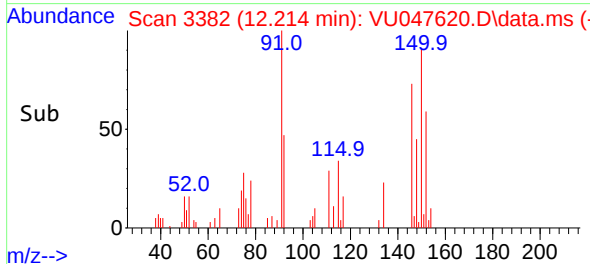
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



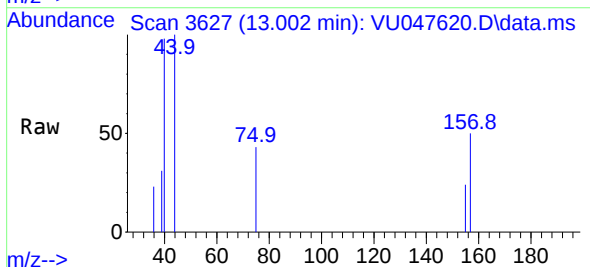
Tgt Ion:146 Resp: 377  
Ion Ratio Lower Upper  
146 100  
111 36.7 22.1 66.1  
148 64.0 31.6 94.7

Manual Integrations  
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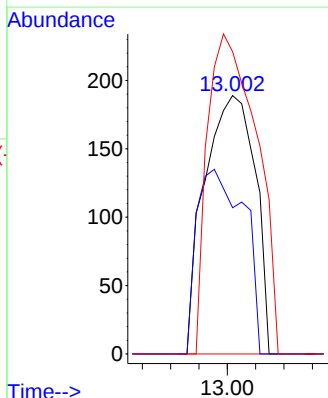
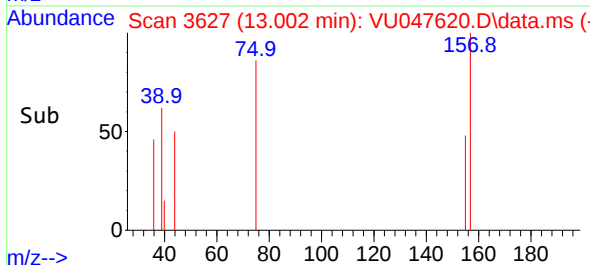
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022

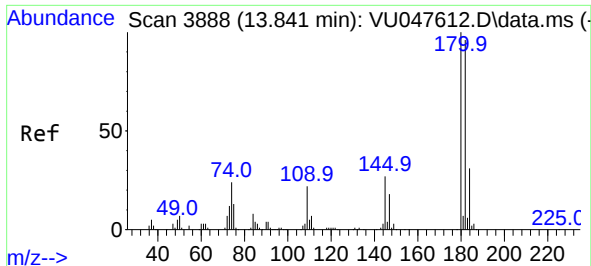


#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.155 ug/l  
RT: 13.002 min Scan# 3627  
Delta R.T. 0.006 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



Tgt Ion: 75 Resp: 233  
Ion Ratio Lower Upper  
75 100  
155 67.4 57.8 86.8  
157 120.6 75.1 112.7#





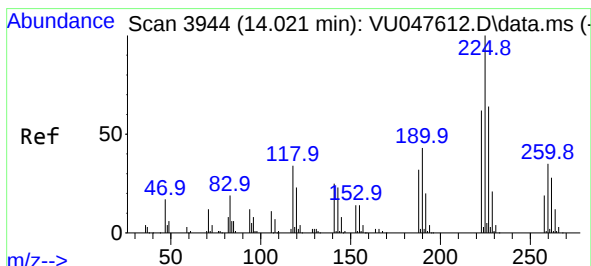
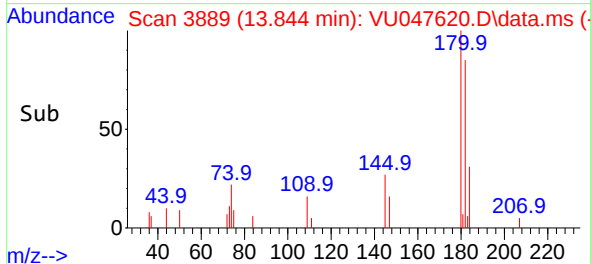
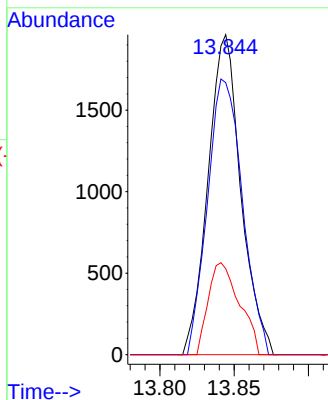
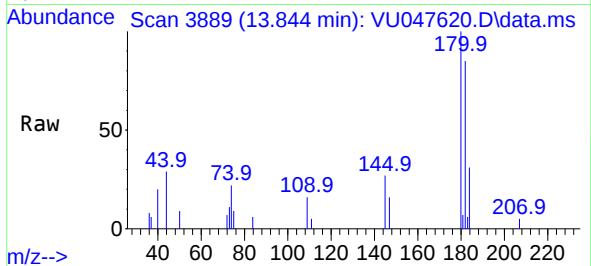
#87  
1,2,4-Trichlorobenzene  
Concen: 0.214 ug/l  
RT: 13.844 min Scan# 3888  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022

Tgt Ion:180 Resp: 302  
Ion Ratio Lower Upper  
180 100  
182 91.5 75.8 113.8  
145 27.2 25.3 37.9

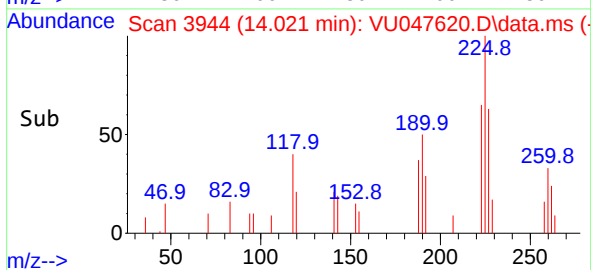
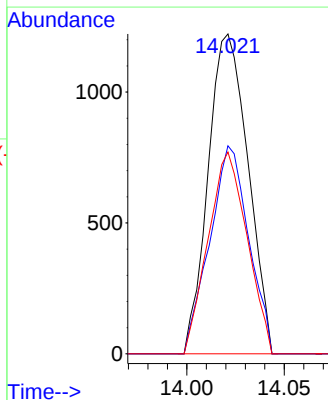
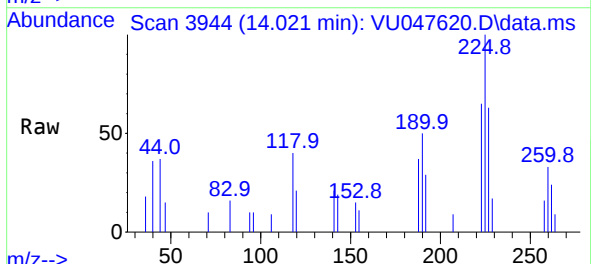
Manual Integrations  
APPROVED

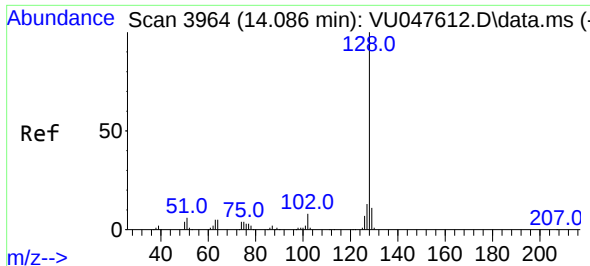
Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#88  
Hexachlorobutadiene  
Concen: 0.206 ug/l  
RT: 14.021 min Scan# 3944  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

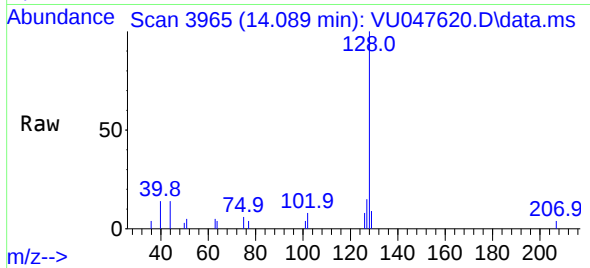
Tgt Ion:225 Resp: 1742  
Ion Ratio Lower Upper  
225 100  
223 63.5 51.1 76.7  
227 61.6 49.9 74.9





#89  
Naphthalene  
Concen: 0.208 ug/l  
RT: 14.089 min Scan# 3964  
Delta R.T. 0.003 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45

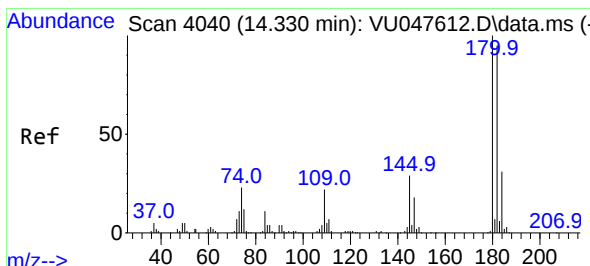
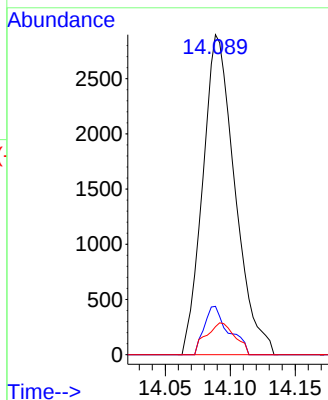
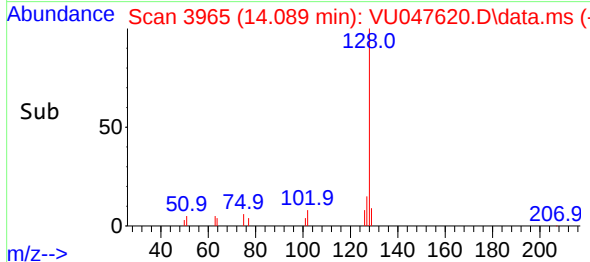
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2022



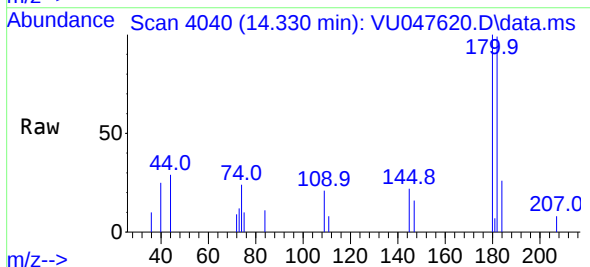
Tgt Ion:128 Resp: 498  
Ion Ratio Lower Upper  
128 100  
127 11.6 10.6 16.0  
129 8.9 8.6 13.0

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/31/2022  
Supervised By :Mahesh Dadoda 03/31/2022



#90  
1,2,3-Trichlorobenzene  
Concen: 0.219 ug/l  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU047620.D  
Acq: 18 Mar 2022 17:45



Tgt Ion:180 Resp: 2905  
Ion Ratio Lower Upper  
180 100  
182 90.3 75.4 113.0  
145 24.3 27.0 40.4#

