

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072222\  
 Data File : VW026888.D  
 Acq On : 22 Jul 2022 15:32  
 Operator : SY/MD  
 Sample : N3670-01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL-WATER-QT2-2022-03

Quant Time: Jul 23 04:54:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 23 00:23:15 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 07/23/2022  
 Supervised By :Semsettin Yesilyurt 07/24/2022

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612   | 114   | 555863   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850   | 117   | 559057   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249  | 152   | 253943   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301   | 65    | 224720   | 48.202   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 96.400%  |
| 7) Chloroethane-d5            | 1.564   | 69    | 186290   | 49.393   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 98.780%  |
| 11) 1,1-Dichloroethene-d2     | 2.101   | 63    | 308808   | 36.818   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 73.640%  |
| 21) 2-Butanone-d5             | 3.883   | 46    | 339492   | 108.034  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 108.030% |
| 24) Chloroform-d              | 4.346   | 84    | 441371   | 48.105   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.027   | 65    | 264474   | 50.392   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.780% |
| 32) Benzene-d6                | 5.047   | 84    | 880309   | 52.092   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.180% |
| 36) 1,2-Dichloropropane-d6    | 6.066   | 67    | 286120   | 52.538   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 105.080% |
| 41) Toluene-d8                | 7.313   | 98    | 727598   | 49.208   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.420%  |
| 43) trans-1,3-Dichloroprop... | 7.619   | 79    | 113524   | 49.749   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 99.500%  |
| 47) 2-Hexanone-d5             | 8.088   | 63    | 256411   | 108.133  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 108.130% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214  | 84    | 416218   | 50.310   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 100.620% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622  | 152   | 269468   | 56.562   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 113.120% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 13759    | 2.396    | ug/L   | 94       |
| 3) Chloromethane              | 1.240   | 50    | 14103    | 2.626    | ug/L   | 95       |
| 5) Vinyl chloride             | 1.307   | 62    | 14505    | 2.541    | ug/L # | 76       |
| 6) Bromomethane               | 1.519   | 94    | 9607     | 2.785    | ug/L   | 99       |
| 8) Chloroethane               | 1.580   | 64    | 8435     | 2.515    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 18979    | 2.412    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111   | 101   | 13609    | 2.958    | ug/L   | 89       |
| 12) 1,1-Dichloroethene        | 2.111   | 96    | 13077    | 3.043    | ug/L # | 1        |
| 13) Acetone                   | 2.175   | 43    | 12028    | 5.451    | ug/L   | 94       |
| 14) Carbon disulfide          | 2.288   | 76    | 30819    | 2.513    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.439   | 43    | 11670    | 2.398    | ug/L   | 98       |
| 16) Methylene chloride        | 2.503   | 84    | 19197    | 3.504    | ug/L   | 91       |
| 17) trans-1,2-Dichloroethene  | 2.757   | 96    | 11225    | 2.472    | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 2.767   | 73    | 28461    | 2.256    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.188   | 63    | 19907    | 2.380    | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.905   | 96    | 11675    | 2.439    | ug/L   | 96       |
| 22) 2-Butanone                | 3.998   | 43    | 16970m   | 5.639    | ug/L   |          |
| 23) Bromochloromethane        | 4.252   | 128   | 6421     | 2.343    | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 5.137   | 62    | 14350    | 2.280    | ug/L   | 100      |

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 Sample : N3670-01  
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Quant Time: Jul 23 04:54:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 23 00:23:15 2022  
 Response via : Initial Calibration

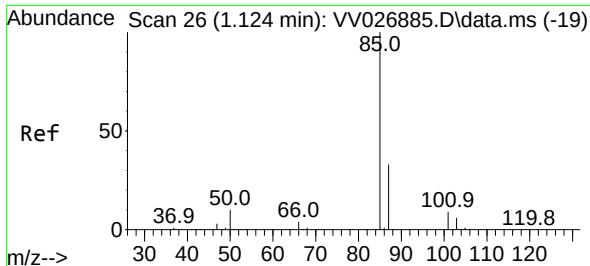
Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 07/23/2022  
 Supervised By :Semsettin Yesilyurt 07/24/2022

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 29) Cyclohexane               | 4.674  | 56   | 12773    | 2.185 | ug/L # | 62       |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 17282    | 2.340 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 15430    | 2.386 | ug/L   | 97       |
| 33) Benzene                   | 5.101  | 78   | 44158    | 2.456 | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.127  | 83   | 15173    | 2.218 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 11011    | 2.353 | ug/L # | 94       |
| 38) Bromodichloromethane      | 6.516  | 83   | 15204    | 2.397 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.034  | 75   | 14701    | 2.264 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.233  | 43   | 23561    | 4.231 | ug/L   | 97       |
| 42) Toluene                   | 7.390  | 91   | 44675    | 2.434 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.657  | 75   | 15748    | 2.459 | ug/L   | 91       |
| 45) 1,1,2-Trichloroethane     | 7.844  | 97   | 12451    | 2.499 | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.976  | 164  | 8294     | 2.301 | ug/L   | 92       |
| 49) Dibromochloromethane      | 8.249  | 129  | 12139    | 2.331 | ug/L   | 88       |
| 50) 1,2-Dibromoethane         | 8.358  | 107  | 13464    | 2.641 | ug/L   | 91       |
| 51) Chlorobenzene             | 8.882  | 112  | 30451    | 2.381 | ug/L   | 94       |
| 52) Ethylbenzene              | 9.014  | 91   | 39941    | 2.097 | ug/L   | 95       |
| 53) m,p-Xylene                | 9.140  | 106  | 13888    | 1.862 | ug/L   | 99       |
| 54) o-Xylene                  | 9.545  | 106  | 13483    | 1.877 | ug/L   | 90       |
| 55) Styrene                   | 9.567  | 104  | 22350    | 1.762 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 21336    | 2.652 | ug/L # | 96       |
| 59) Bromoform                 | 9.731  | 173  | 7702     | 2.715 | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.931  | 105  | 35070    | 2.337 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 15759    | 3.093 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 26474    | 2.171 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 25703    | 2.101 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 11.185 | 146  | 19431    | 2.534 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 21373    | 2.631 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 22326    | 2.838 | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 3788     | 2.782 | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 12.647 | 180  | 13066    | 2.407 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 10771    | 2.355 | ug/L   | 99       |
| 71) Naphthalene               | 13.503 | 128  | 29456    | 2.048 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 11197    | 2.347 | ug/L   | 97       |

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





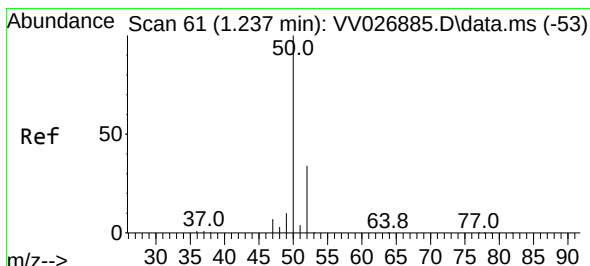
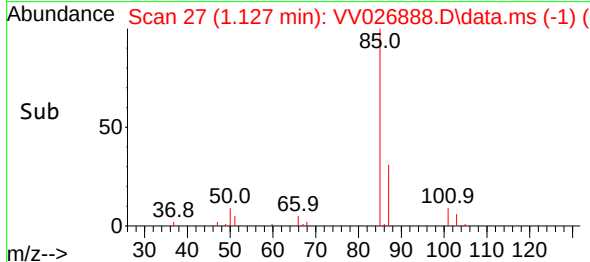
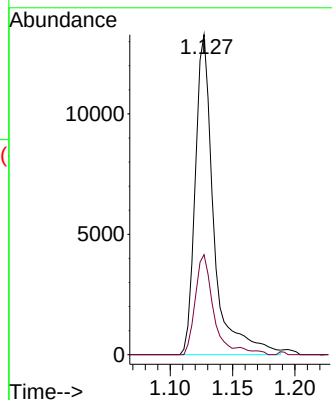
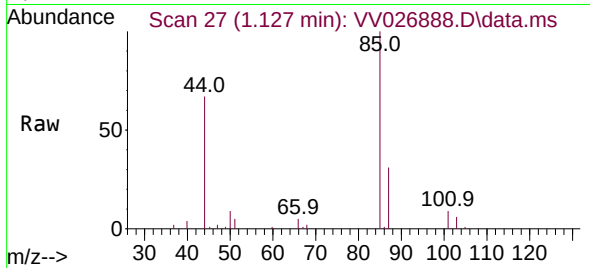
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Dichlorodifluoromethane  
Concen: 2.396 ug/L  
RT: 1.127 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03

Tgt Ion: 85 Resp: 1375  
Ion Ratio Lower Upper  
85 100  
87 29.3 26.1 39.1

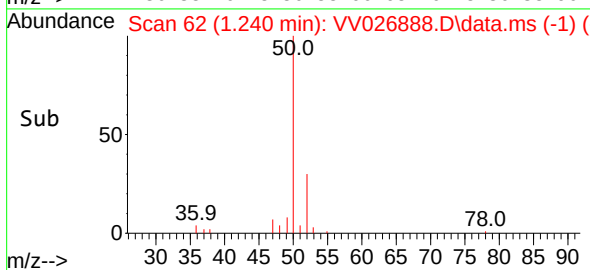
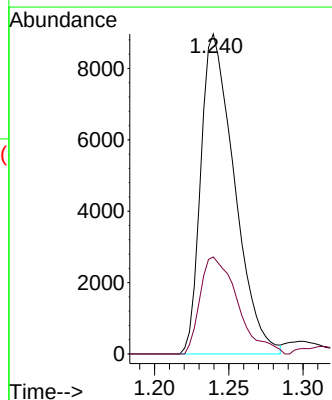
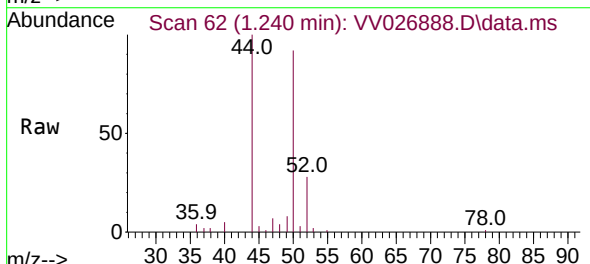
Manual Integrations  
APPROVED

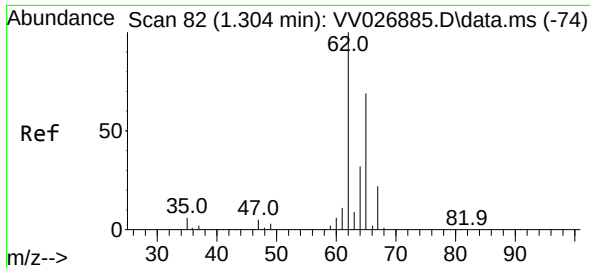
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#3  
Chloromethane  
Concen: 2.626 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

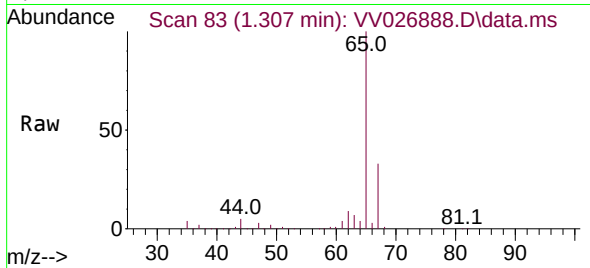
Tgt Ion: 50 Resp: 14103  
Ion Ratio Lower Upper  
50 100  
52 30.3 23.1 42.9





#5  
 Vinyl chloride  
 Concen: 2.541 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. 0.003 min  
 Lab File: VV026888.D  
 Acq: 22 Jul 2022 15:32

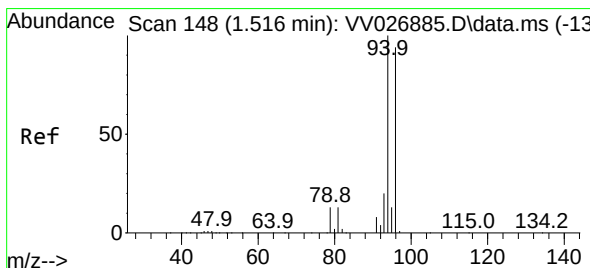
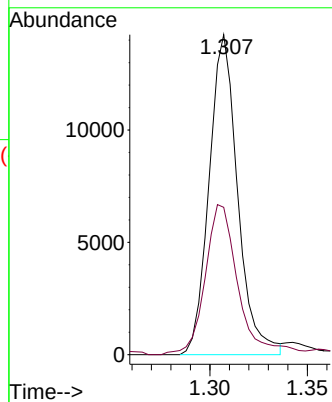
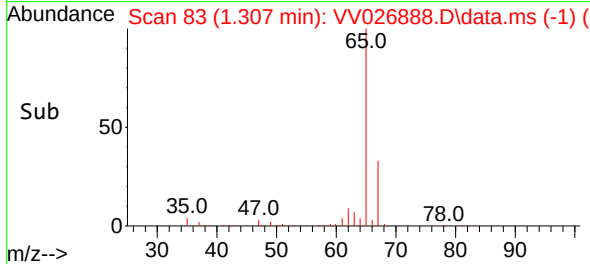
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL-WATER-QT2-2022-03



Tgt Ion: 62 Resp: 1450  
 Ion Ratio Lower Upper  
 62 100  
 64 46.1 23.0 42.6

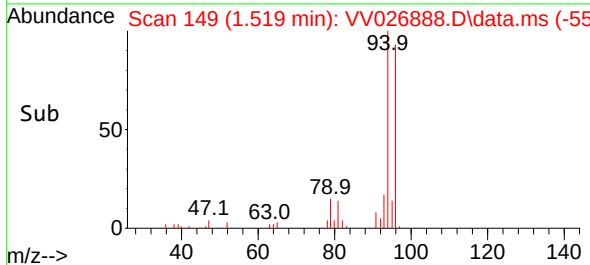
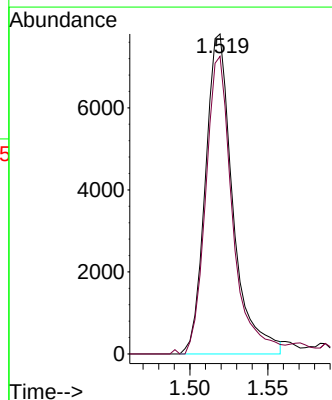
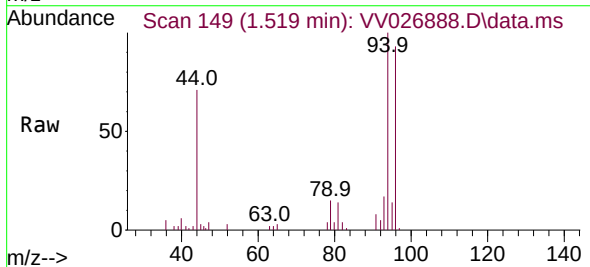
Manual Integrations  
 APPROVED

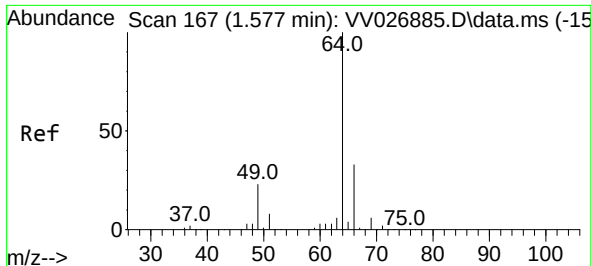
Reviewed By :Krupa Patel 07/23/2022  
 Supervised By :Semsettin Yesilyurt 07/24/2022



#6  
 Bromomethane  
 Concen: 2.785 ug/L  
 RT: 1.519 min Scan# 149  
 Delta R.T. 0.003 min  
 Lab File: VV026888.D  
 Acq: 22 Jul 2022 15:32

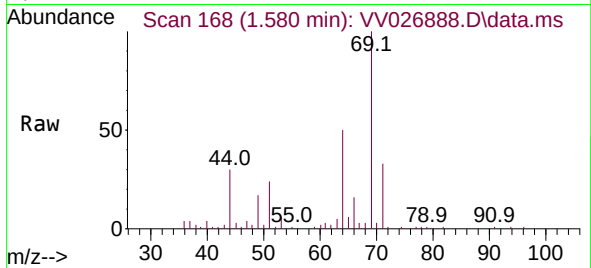
Tgt Ion: 94 Resp: 9607  
 Ion Ratio Lower Upper  
 94 100  
 96 93.0 65.8 122.2





#8  
Chloroethane  
Concen: 2.515 ug/L  
RT: 1.580 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

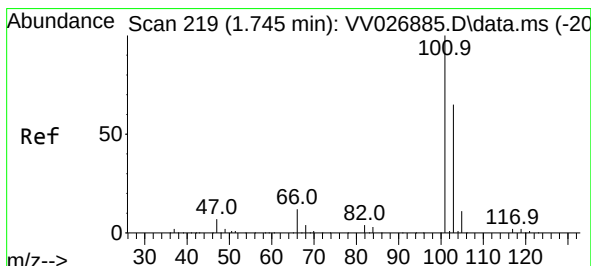
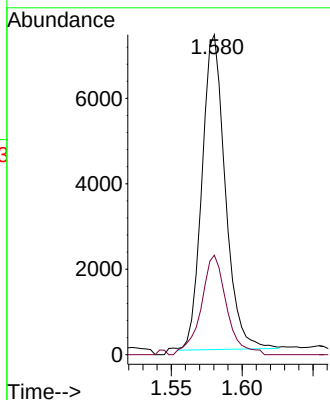
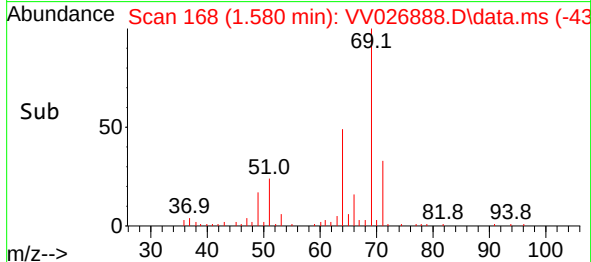
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03



Tgt Ion: 64 Resp: 843  
Ion Ratio Lower Upper  
64 100  
66 31.1 23.2 43.0

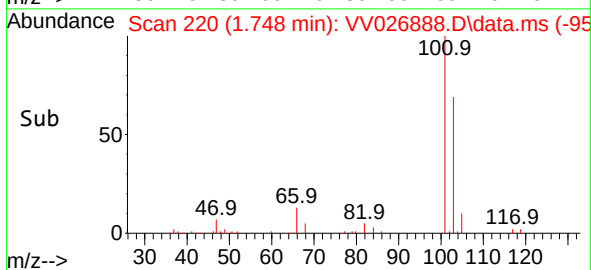
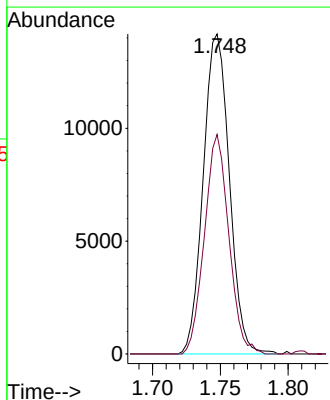
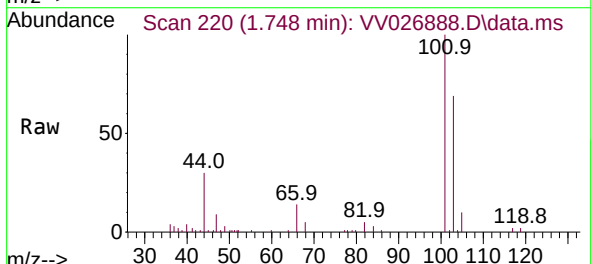
Manual Integrations  
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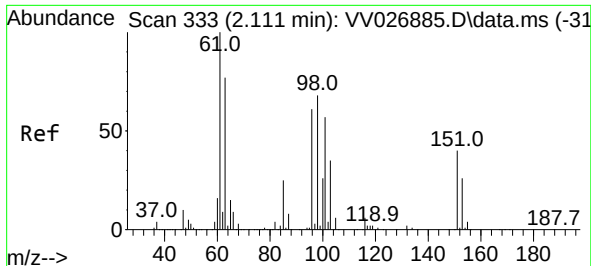
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#9  
Trichlorofluoromethane  
Concen: 2.412 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Tgt Ion:101 Resp: 18979  
Ion Ratio Lower Upper  
101 100  
103 64.1 51.8 77.8





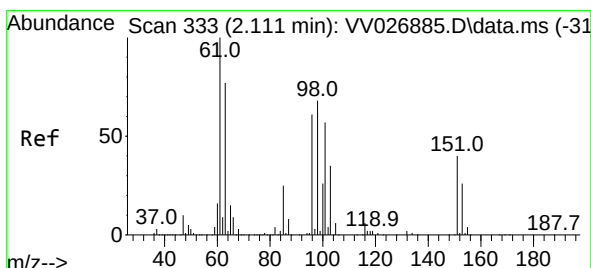
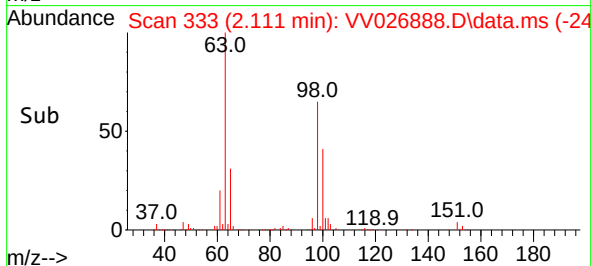
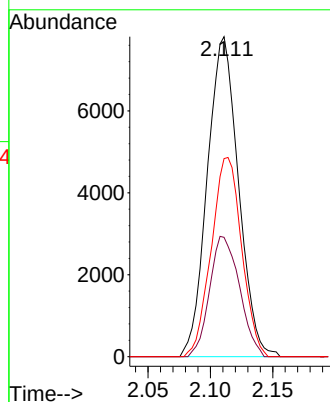
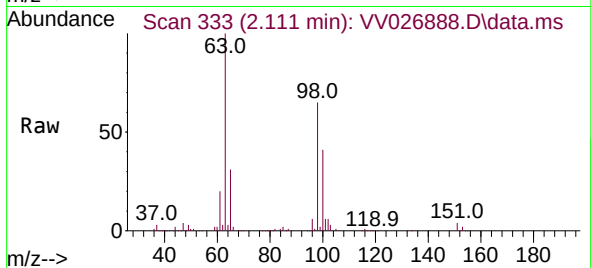
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1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 2.958 ug/L  
RT: 2.111 min Scan# 333  
Delta R.T. -0.000 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03

Tgt Ion:101 Resp: 13609  
Ion Ratio Lower Upper  
101 100  
85 35.9 33.1 49.7  
151 60.6 57.1 85.7

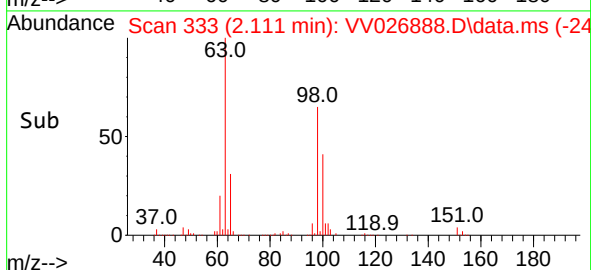
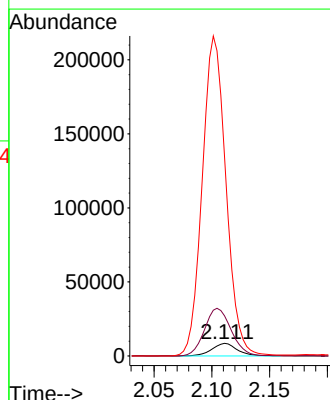
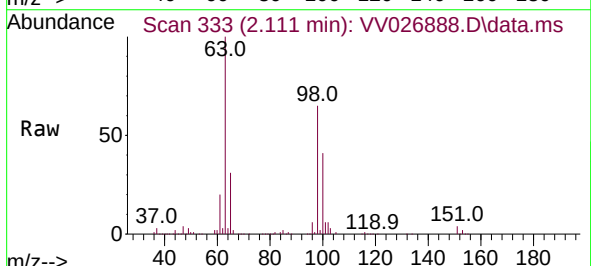
Manual Integrations  
APPROVED

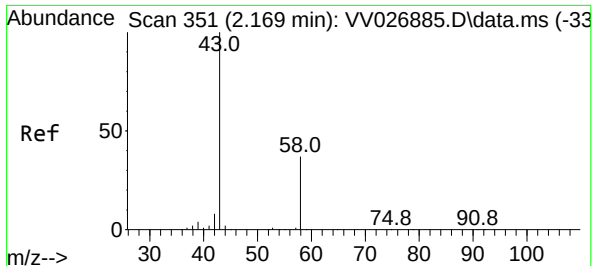
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#12  
1,1-Dichloroethene  
Concen: 3.043 ug/L  
RT: 2.111 min Scan# 333  
Delta R.T. -0.000 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Tgt Ion: 96 Resp: 13077  
Ion Ratio Lower Upper  
96 100  
61 317.6 114.2 212.0#  
63 1578.8 87.0 161.6#





#13

Acetone

Concen: 5.451 ug/L

RT: 2.175 min Scan# 351

Delta R.T. 0.006 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT2-2022-03

Tgt Ion: 43 Resp: 12028

Ion Ratio Lower Upper

43 100

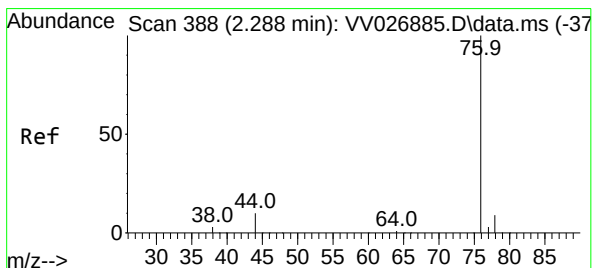
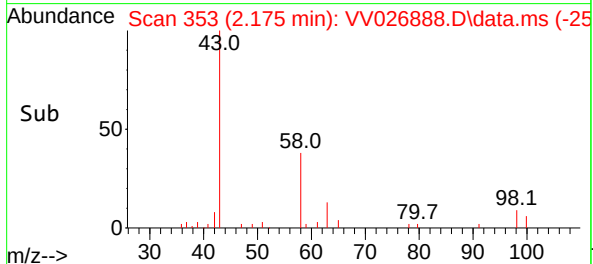
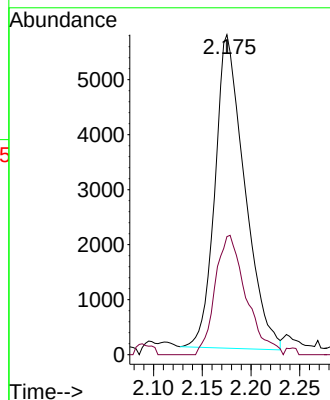
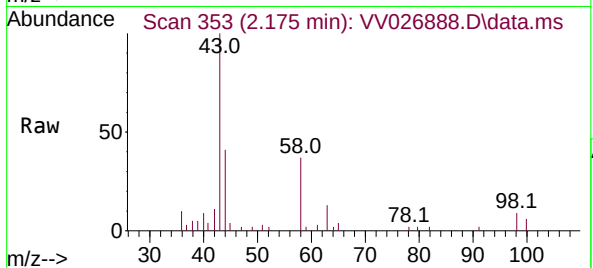
58 39.7 0.0 72.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#14

Carbon disulfide

Concen: 2.513 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.000 min

Lab File: VV026888.D

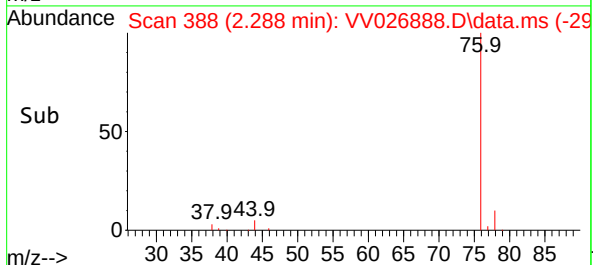
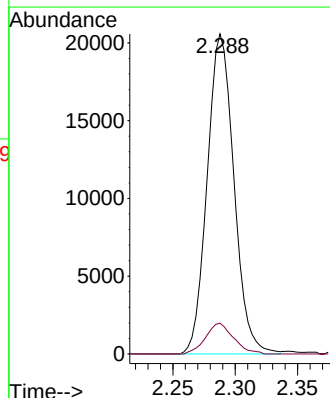
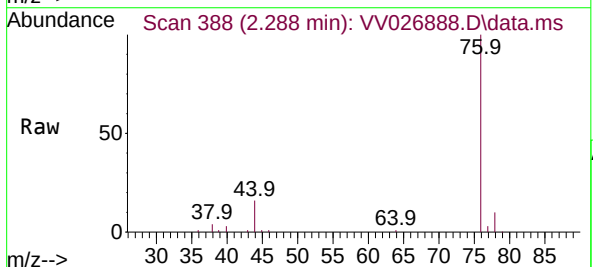
Acq: 22 Jul 2022 15:32

Tgt Ion: 76 Resp: 30819

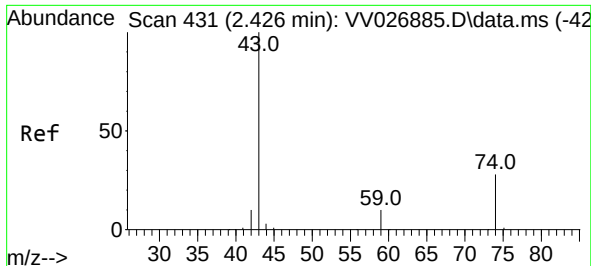
Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

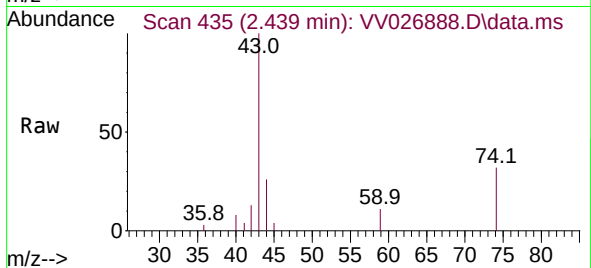






#15  
Methyl Acetate  
Concen: 2.398 ug/L  
RT: 2.439 min Scan# 41  
Delta R.T. 0.013 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

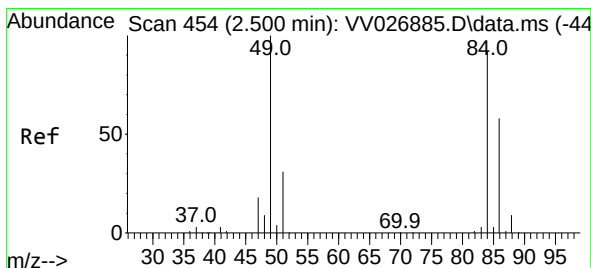
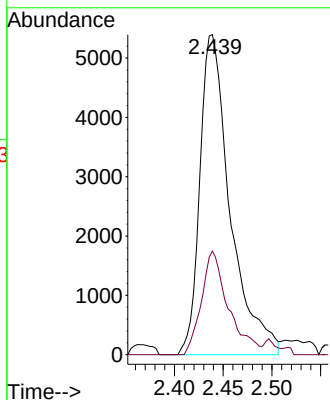
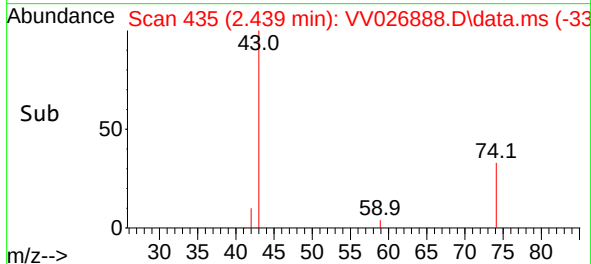
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03



Tgt Ion: 43 Resp: 11670  
Ion Ratio Lower Upper  
43 100  
74 26.7 22.1 33.1

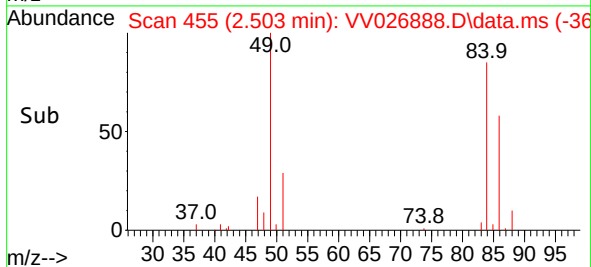
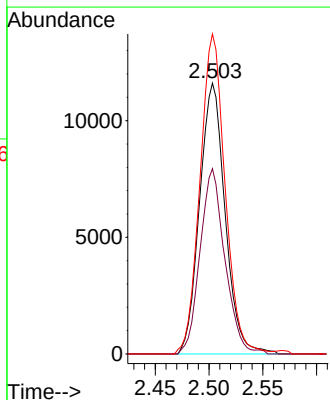
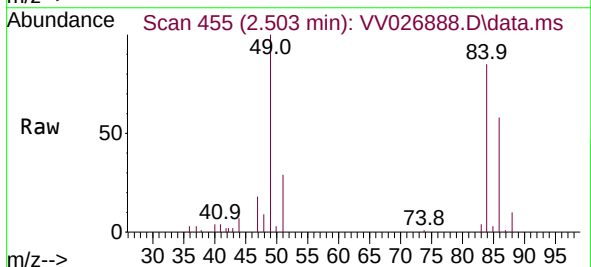
Manual Integrations  
APPROVED

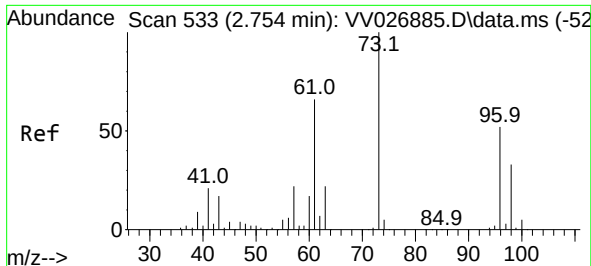
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#16  
Methylene chloride  
Concen: 3.504 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

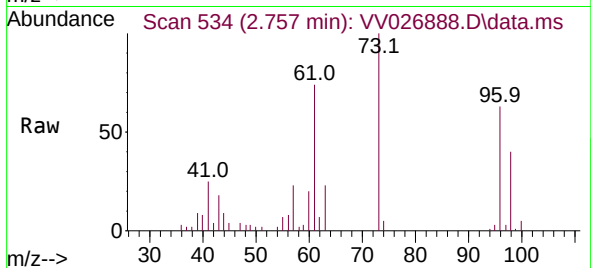
Tgt Ion: 84 Resp: 19197  
Ion Ratio Lower Upper  
84 100  
86 68.4 44.5 82.7  
49 118.1 75.0 139.2





#17  
trans-1,2-Dichloroethene  
Concen: 2.472 ug/L  
RT: 2.757 min Scan# 511  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

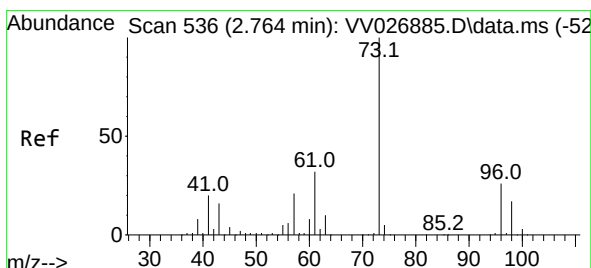
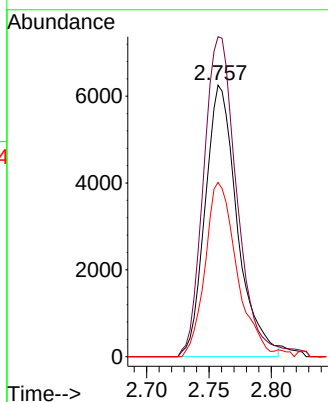
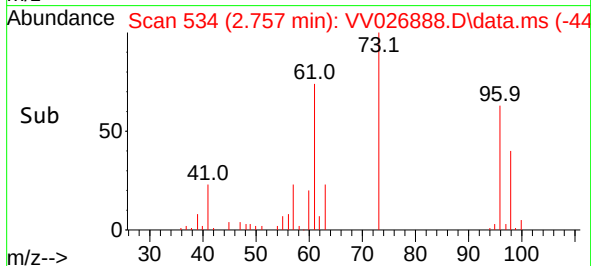
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03



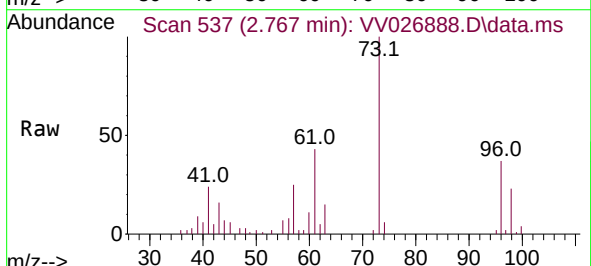
Tgt Ion: 96 Resp: 11225  
Ion Ratio Lower Upper  
96 100  
61 117.8 89.2 165.6  
98 64.1 44.7 82.9

Manual Integrations  
APPROVED

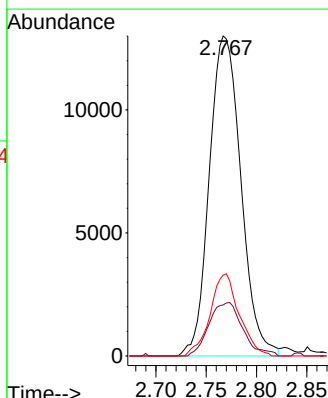
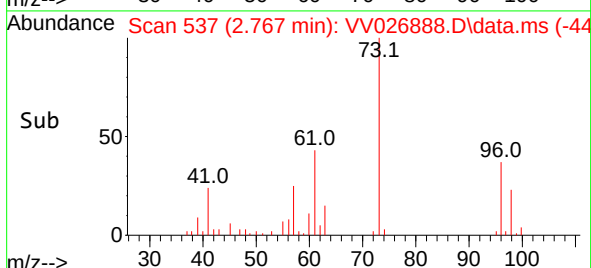
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022

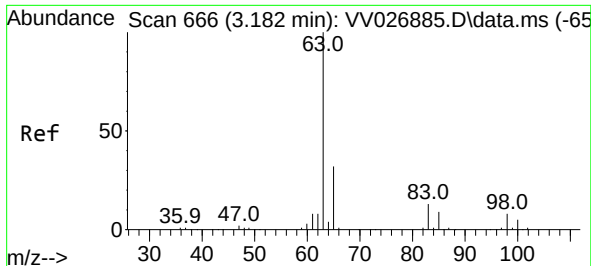


#18  
Methyl tert-butyl Ether  
Concen: 2.256 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32



Tgt Ion: 73 Resp: 28461  
Ion Ratio Lower Upper  
73 100  
43 17.8 12.8 19.2  
57 23.6 17.3 25.9





#19

1,1-Dichloroethane

Concen: 2.380 ug/L

RT: 3.188 min Scan# 60

Delta R.T. 0.006 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT2-2022-03

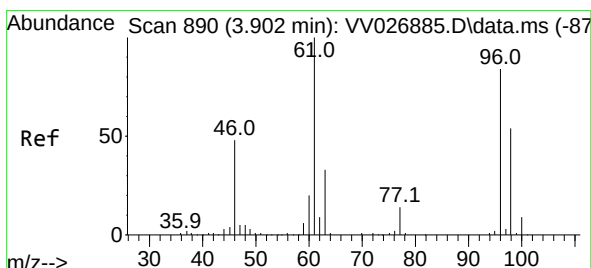
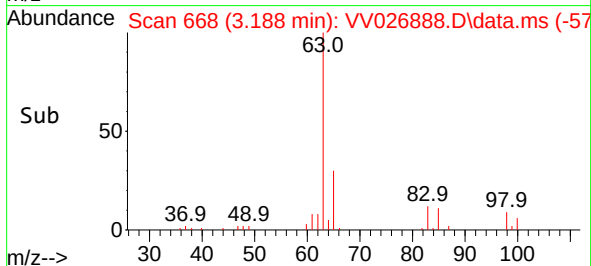
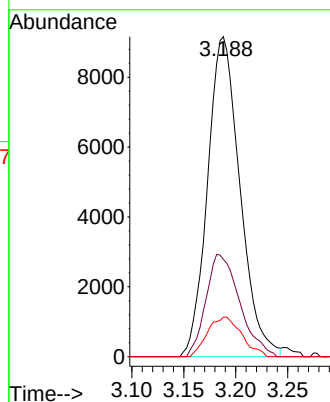
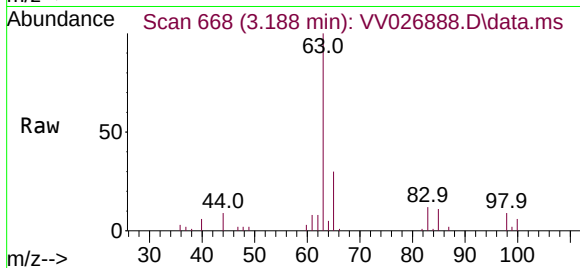
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 1990  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 30.4     | 22.6 42.0   |
| 83 12.3     | 9.4 17.4    |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#20

cis-1,2-Dichloroethene

Concen: 2.439 ug/L

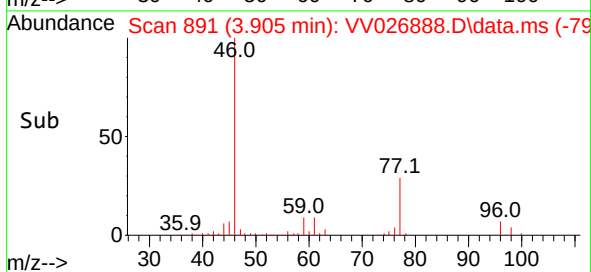
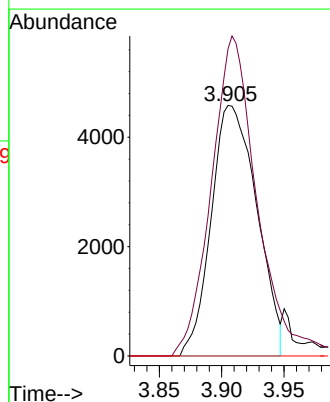
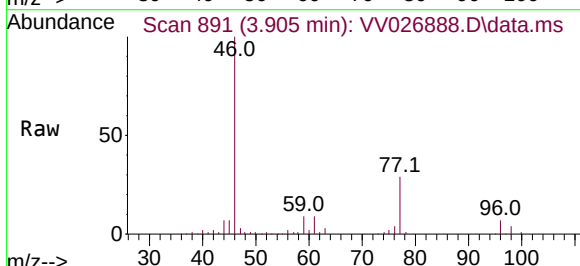
RT: 3.905 min Scan# 891

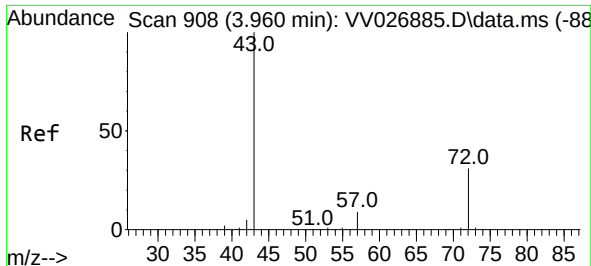
Delta R.T. 0.003 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

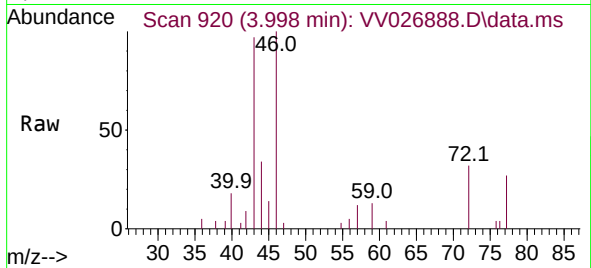
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 11675 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 122.6    | 83.0 154.1  |
| 68 0.0      | 0.0 0.0     |





#22  
2-Butanone  
Concen: 5.639 ug/L m  
RT: 3.998 min Scan# 910  
Delta R.T. 0.038 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

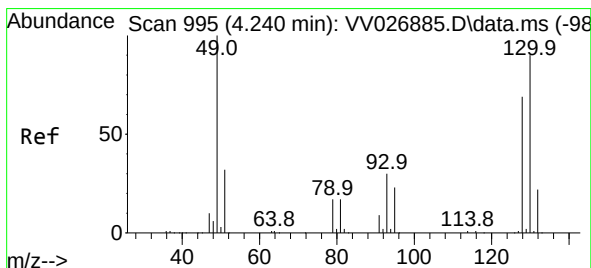
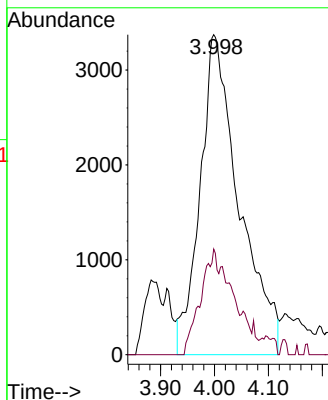
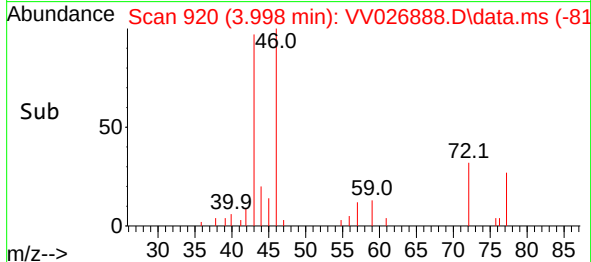
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03



Tgt Ion: 43 Resp: 16970  
Ion Ratio Lower Upper  
43 100  
72 3.5 14.9 44.5

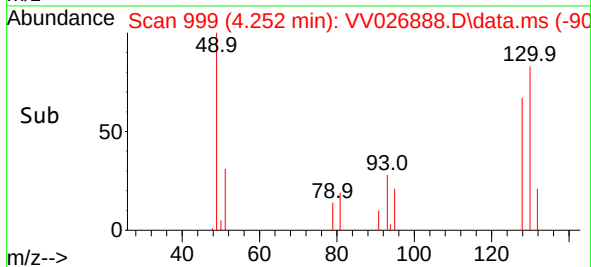
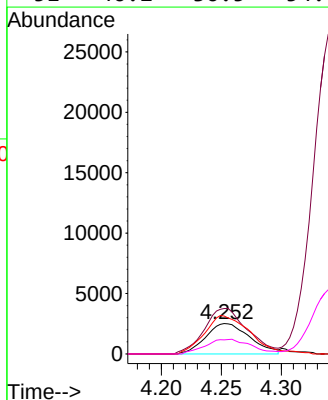
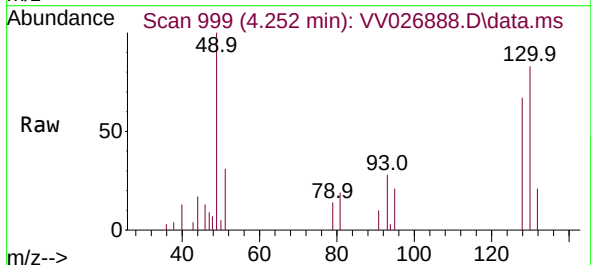
Manual Integrations  
APPROVED

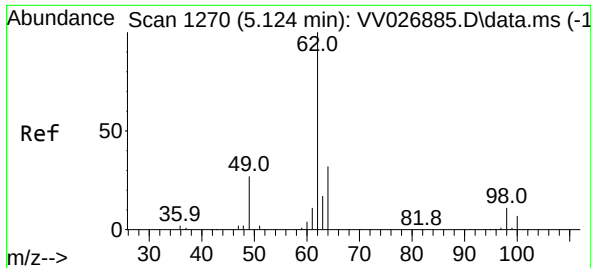
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#23  
Bromochloromethane  
Concen: 2.343 ug/L  
RT: 4.252 min Scan# 999  
Delta R.T. 0.013 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Tgt Ion:128 Resp: 6421  
Ion Ratio Lower Upper  
128 100  
49 149.8 101.0 187.6  
130 124.6 90.0 167.2  
51 46.2 36.5 54.7





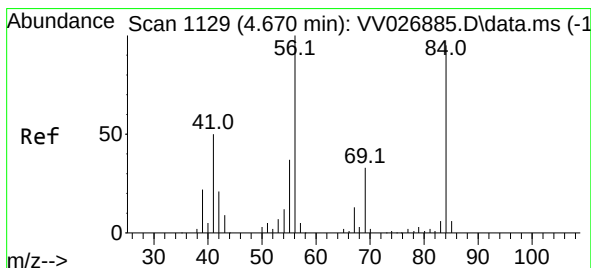
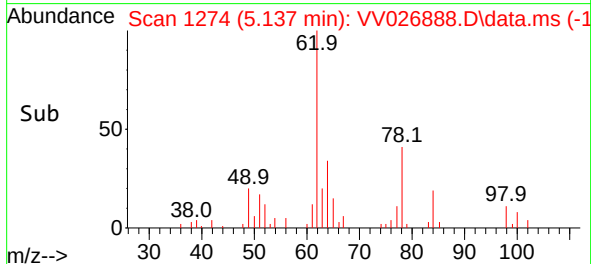
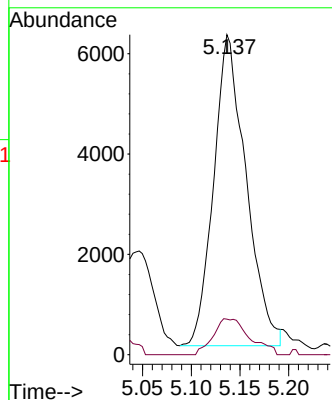
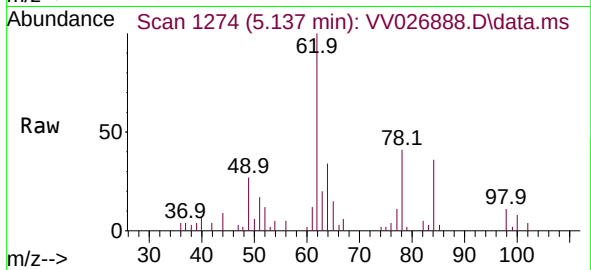
#27  
1,2-Dichloroethane  
Concen: 2.280 ug/L  
RT: 5.137 min Scan# 1130  
Delta R.T. 0.013 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03

Tgt Ion: 62 Resp: 14350  
Ion Ratio Lower Upper  
62 100  
98 11.1 8.9 13.3

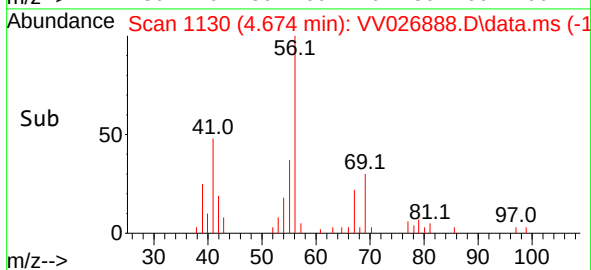
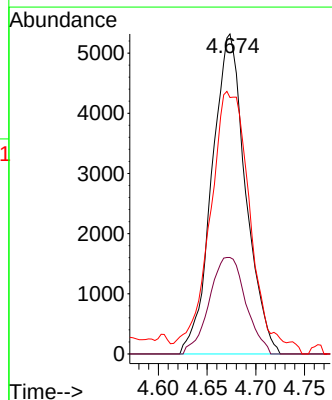
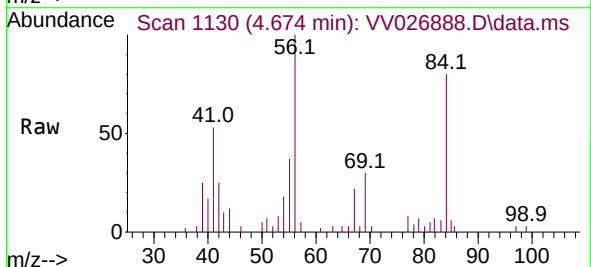
Manual Integrations  
APPROVED

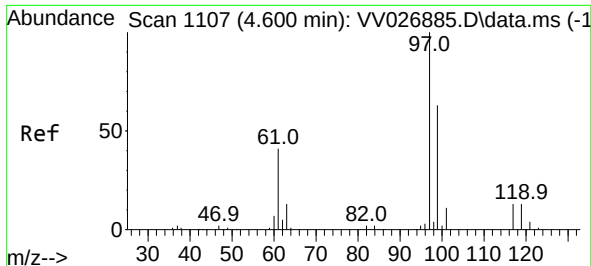
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#29  
Cyclohexane  
Concen: 2.185 ug/L  
RT: 4.674 min Scan# 1130  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Tgt Ion: 56 Resp: 12773  
Ion Ratio Lower Upper  
56 100  
69 32.6 25.7 38.5  
84 47.1 77.0 115.6#





#30

1,1,1-Trichloroethane

Concen: 2.340 ug/L

RT: 4.606 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT2-2022-03

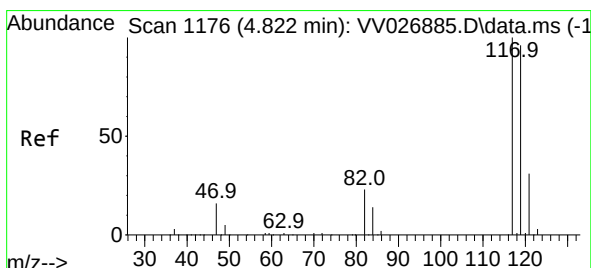
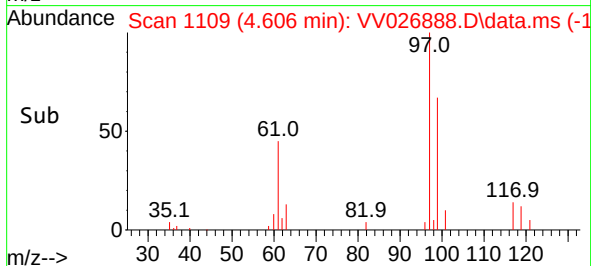
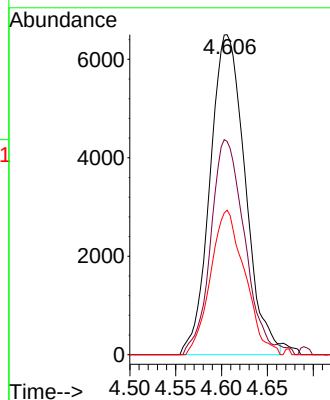
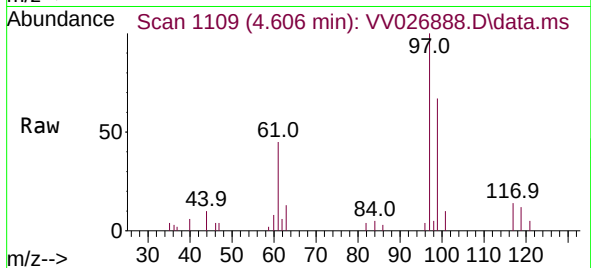
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 1728  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 64.4     | 51.0 76.6   |
| 61 44.2     | 33.1 49.7   |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#31

Carbon tetrachloride

Concen: 2.386 ug/L

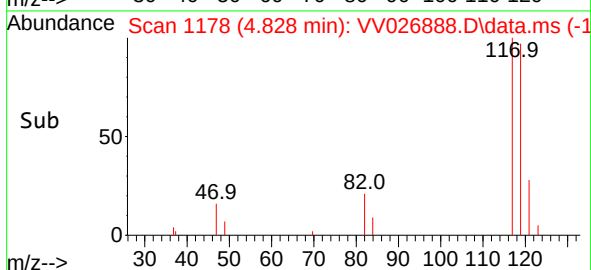
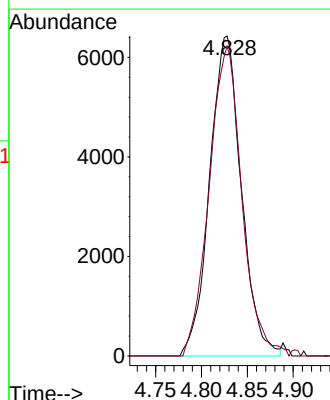
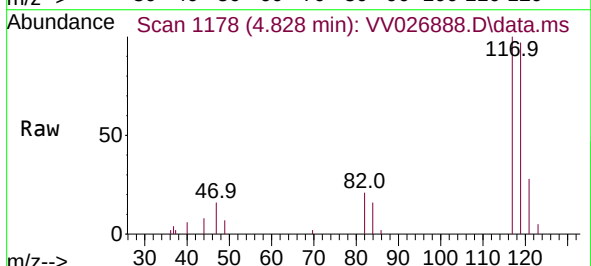
RT: 4.828 min Scan# 1178

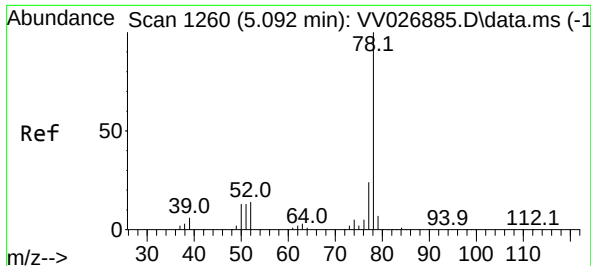
Delta R.T. 0.006 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

|             |             |
|-------------|-------------|
| Tgt Ion:117 | Resp: 15430 |
| Ion Ratio   | Lower Upper |
| 117 100     |             |
| 119 99.1    | 77.3 115.9  |





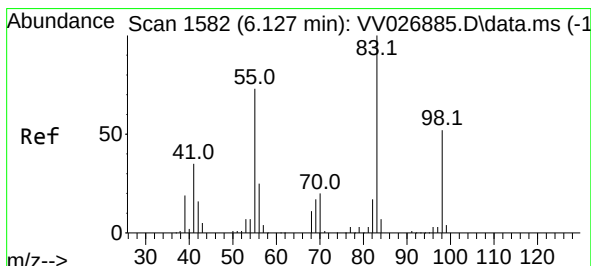
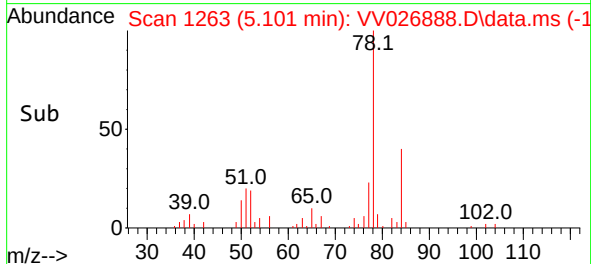
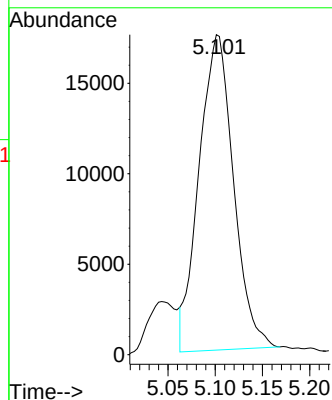
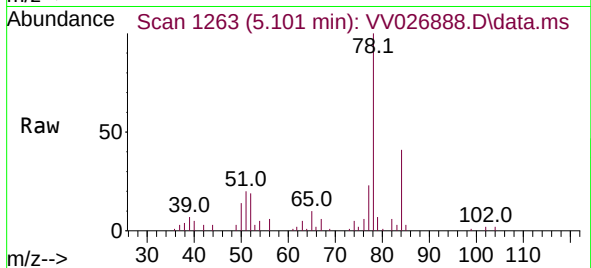
#33  
Benzene  
Concen: 2.456 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.009 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Instrument : MSVOA\_V  
ClientSampleId : MDL-WATER-QT2-2022-03

Tgt Ion: 78 Resp: 44158

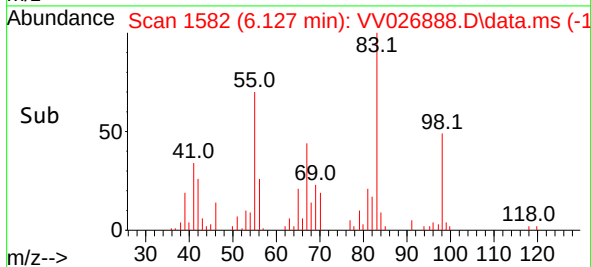
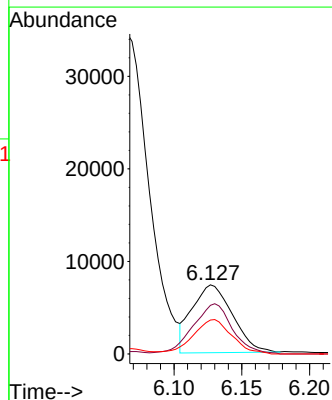
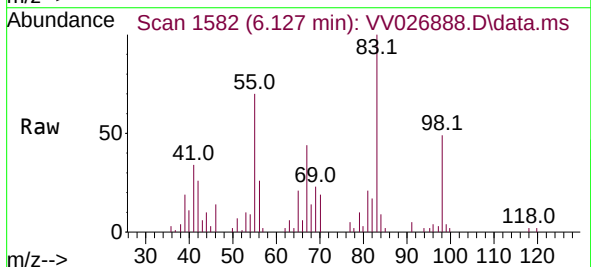
Manual Integrations  
APPROVED

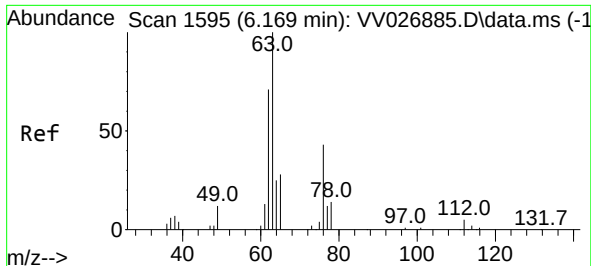
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#35  
Methylcyclohexane  
Concen: 2.218 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Tgt Ion: 83 Resp: 15173  
Ion Ratio Lower Upper  
83 100  
55 72.4 57.4 86.2  
98 48.8 39.4 59.0





#37

1,2-Dichloropropane

Concen: 2.353 ug/L

RT: 6.175 min Scan# 1101

Delta R.T. 0.006 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT2-2022-03

Tgt Ion: 63 Resp: 1101

Ion Ratio Lower Upper

63 100

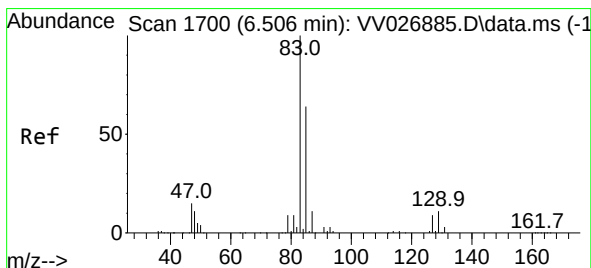
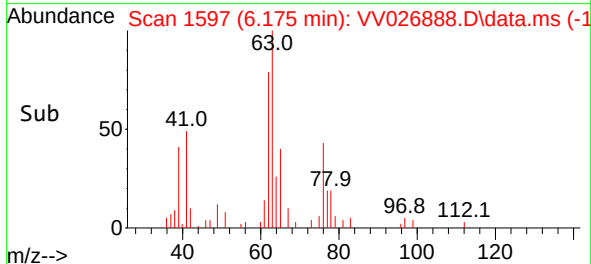
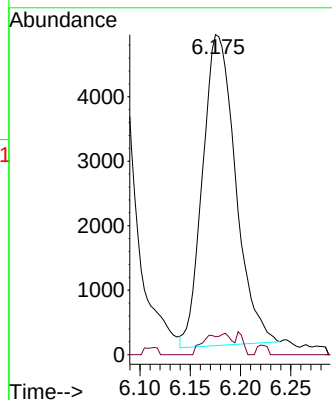
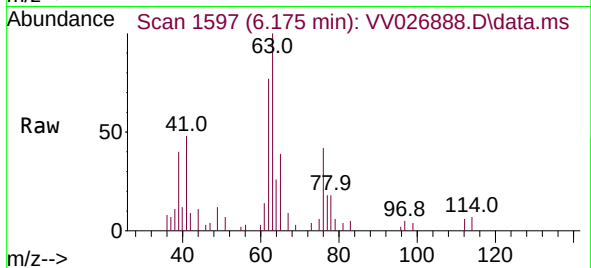
112 2.8 3.8 5.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#38

Bromodichloromethane

Concen: 2.397 ug/L

RT: 6.516 min Scan# 1703

Delta R.T. 0.009 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

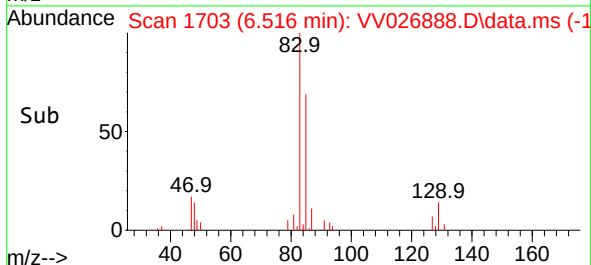
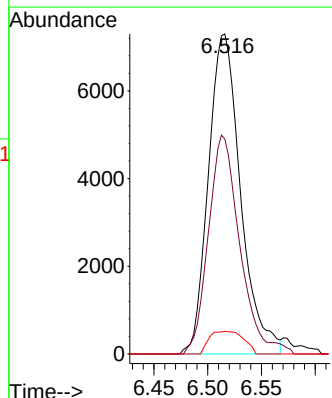
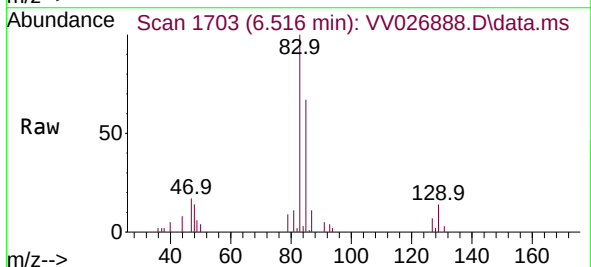
Tgt Ion: 83 Resp: 15204

Ion Ratio Lower Upper

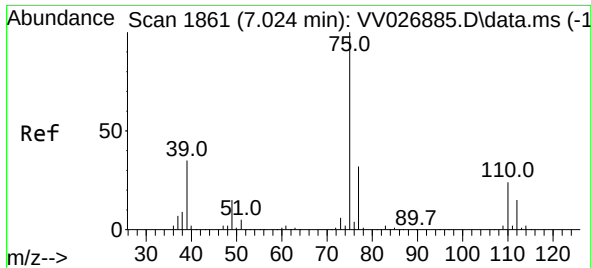
83 100

85 67.2 45.1 83.9

127 7.1 6.9 10.3







#39

cis-1,3-Dichloropropene

Concen: 2.264 ug/L

RT: 7.034 min Scan# 1861

Delta R.T. 0.009 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT2-2022-03

Tgt Ion: 75 Resp: 1470

Ion Ratio Lower Upper

75 100

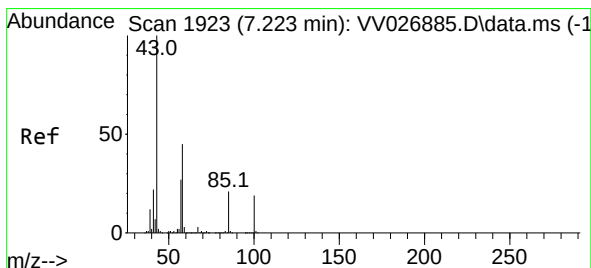
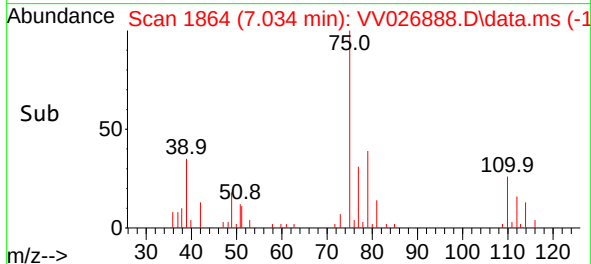
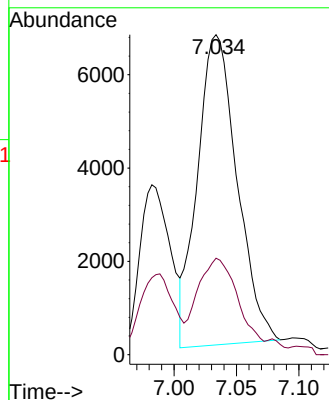
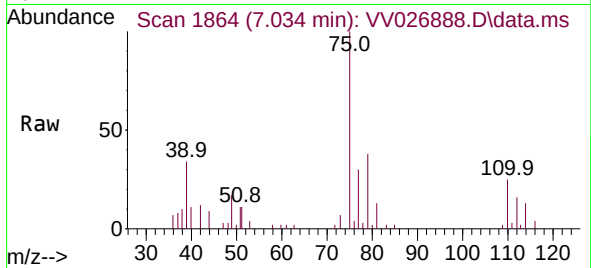
77 30.2 22.4 41.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#40

4-Methyl-2-pentanone

Concen: 4.231 ug/L

RT: 7.233 min Scan# 1926

Delta R.T. 0.009 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

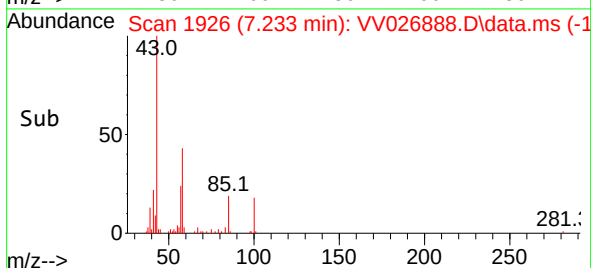
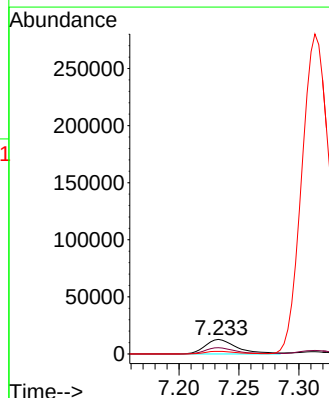
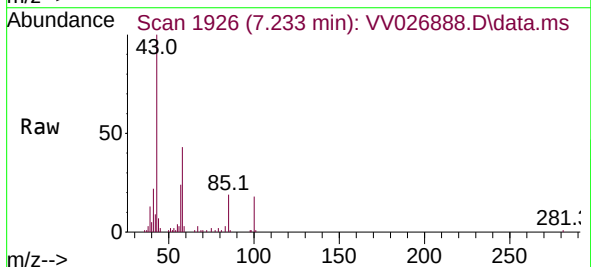
Tgt Ion: 43 Resp: 23561

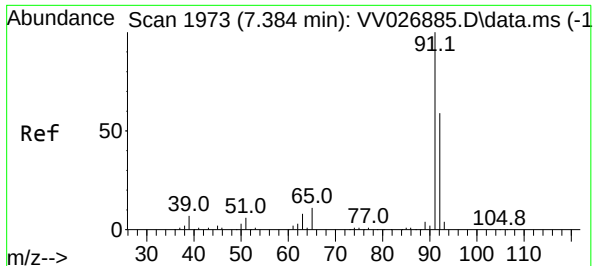
Ion Ratio Lower Upper

43 100

58 41.1 35.0 52.6

100 18.5 15.4 23.0





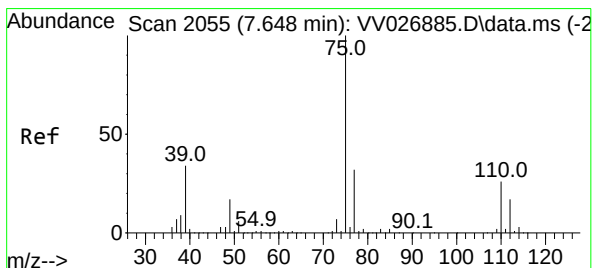
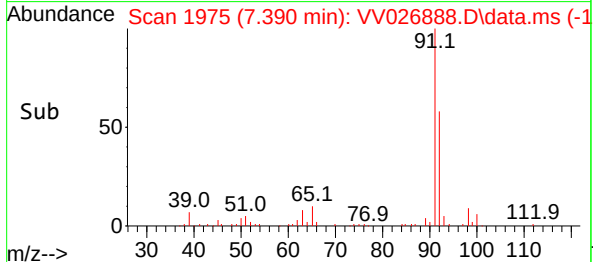
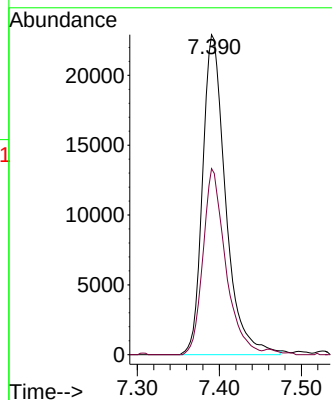
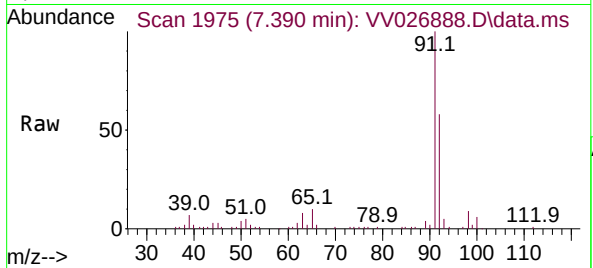
#42  
Toluene  
Concen: 2.434 ug/L  
RT: 7.390 min Scan# 1973  
Delta R.T. 0.006 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Instrument : MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03

Tgt Ion: 91 Resp: 4467  
Ion Ratio Lower Upper  
91 100  
92 58.1 40.5 75.1

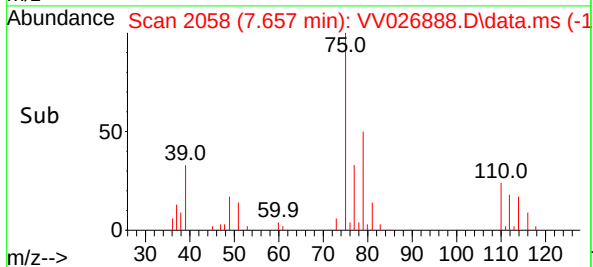
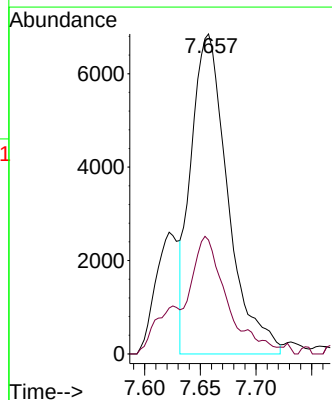
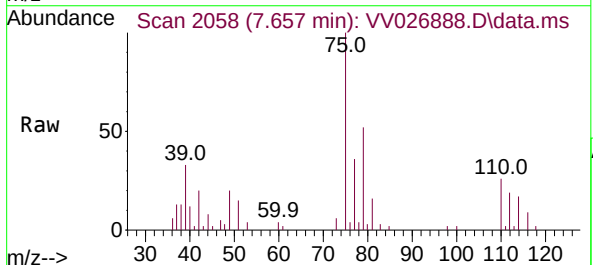
Manual Integrations  
APPROVED

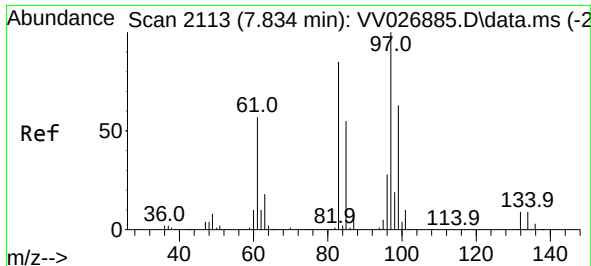
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#44  
trans-1,3-Dichloropropene  
Concen: 2.459 ug/L  
RT: 7.657 min Scan# 2058  
Delta R.T. 0.009 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

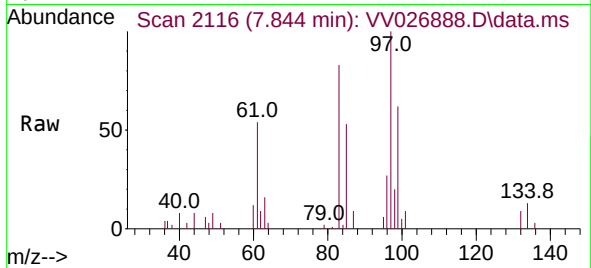
Tgt Ion: 75 Resp: 15748  
Ion Ratio Lower Upper  
75 100  
77 35.6 21.3 39.6





#45  
1,1,2-Trichloroethane  
Concen: 2.499 ug/L  
RT: 7.844 min Scan# 2116  
Delta R.T. 0.009 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

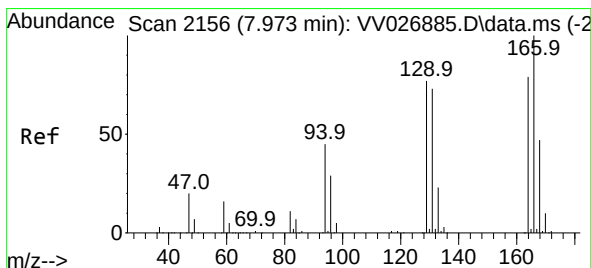
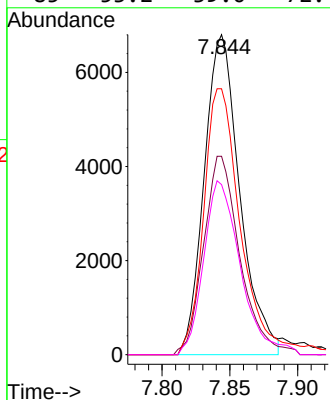
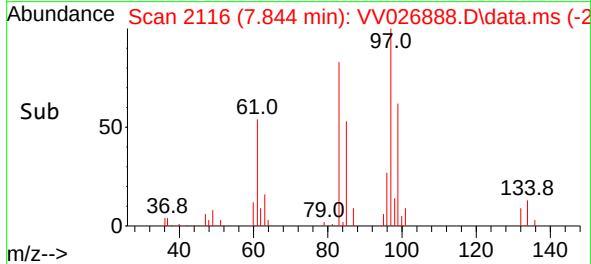
Instrument : MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03



Tgt Ion: 97 Resp: 1245  
Ion Ratio Lower Upper  
97 100  
99 62.0 44.0 81.8  
83 83.1 59.9 111.3  
85 53.2 39.0 72.4

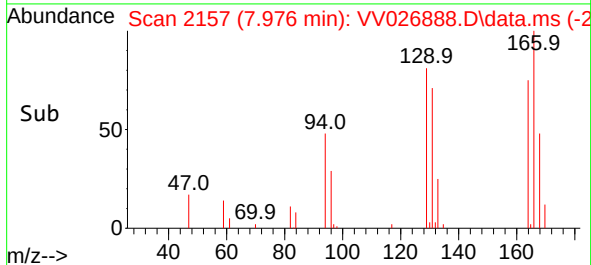
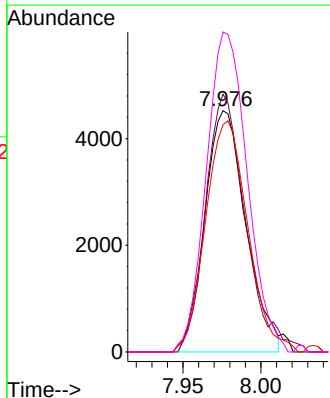
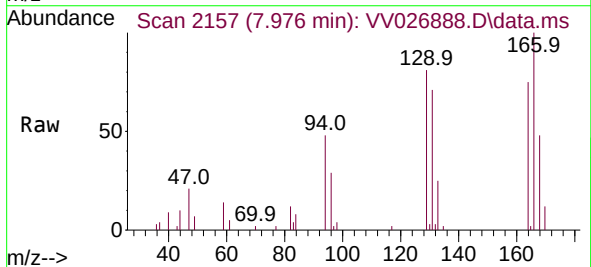
Manual Integrations  
APPROVED

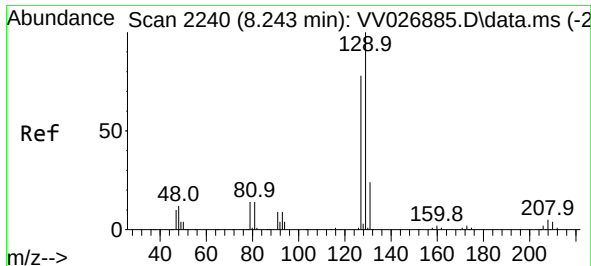
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#46  
Tetrachloroethene  
Concen: 2.301 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Tgt Ion:164 Resp: 8294  
Ion Ratio Lower Upper  
164 100  
129 106.8 66.3 123.1  
131 94.1 63.1 117.3  
166 132.6 86.2 160.2





#49

Dibromochloromethane

Concen: 2.331 ug/L

RT: 8.249 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT2-2022-03

Tgt Ion:129 Resp: 12139

Ion Ratio Lower Upper

129 100

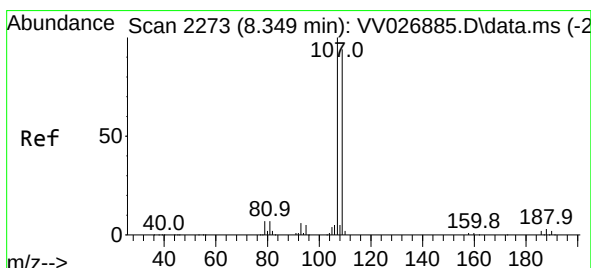
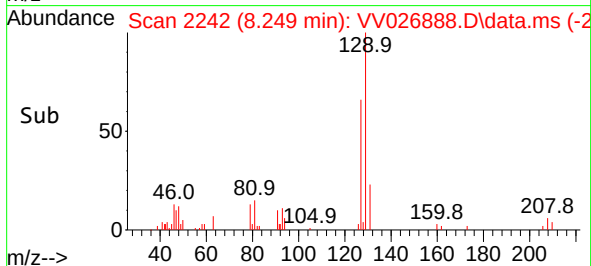
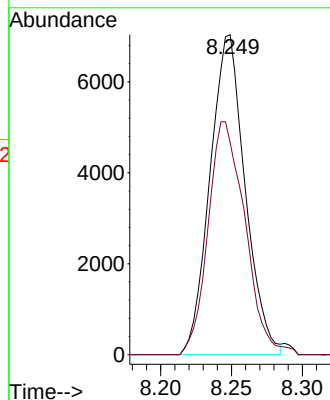
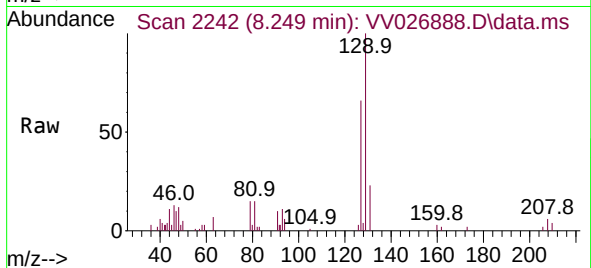
127 66.3 53.7 99.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#50

1,2-Dibromoethane

Concen: 2.641 ug/L

RT: 8.358 min Scan# 2276

Delta R.T. 0.009 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

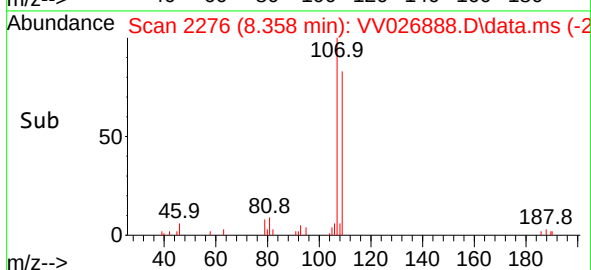
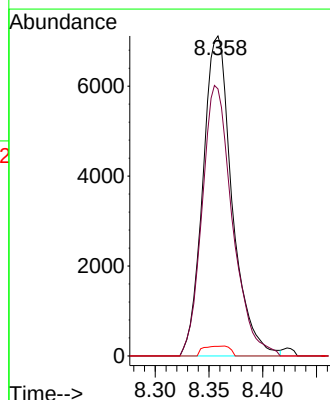
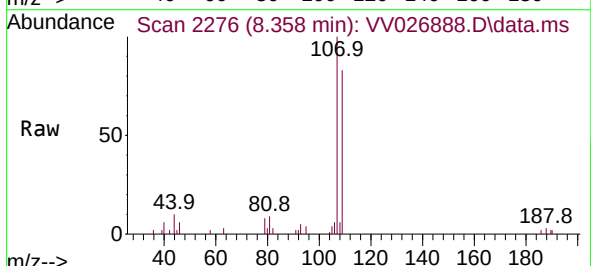
Tgt Ion:107 Resp: 13464

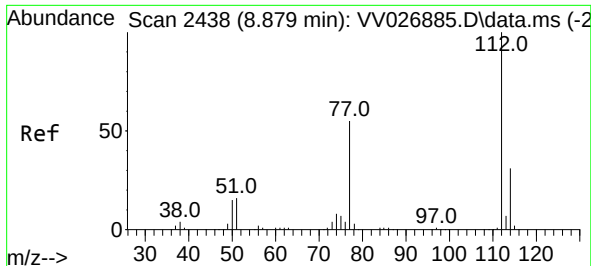
Ion Ratio Lower Upper

107 100

109 83.4 64.9 120.5

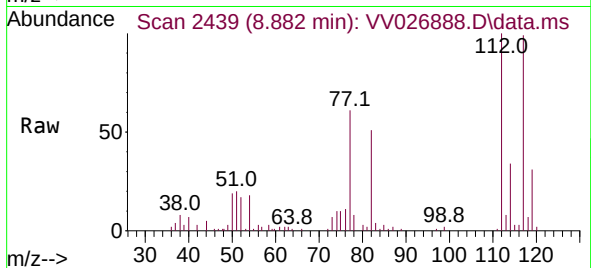
188 3.0 2.6 3.8





#51  
Chlorobenzene  
Concen: 2.381 ug/L  
RT: 8.882 min Scan# 2438  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

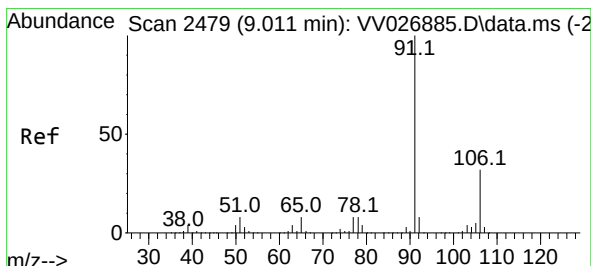
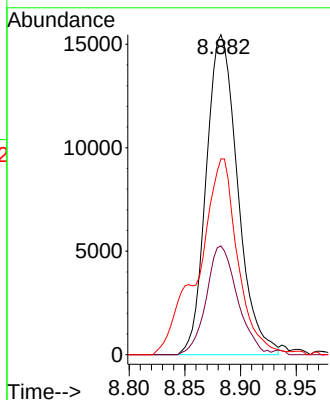
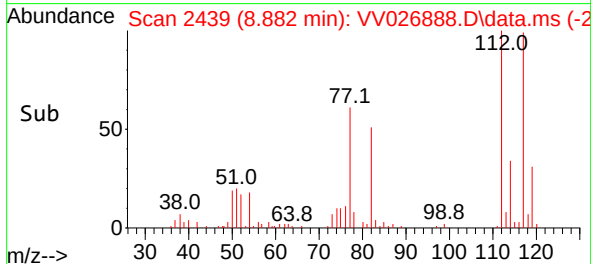
Instrument : MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03



Tgt Ion:112 Resp: 3045  
Ion Ratio Lower Upper  
112 100  
114 34.0 22.7 42.1  
77 61.2 44.4 66.6

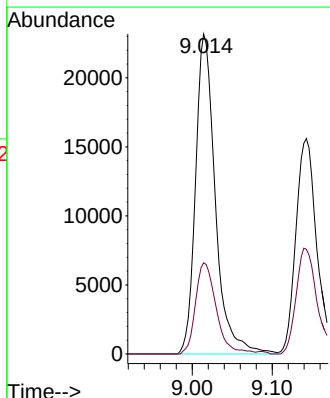
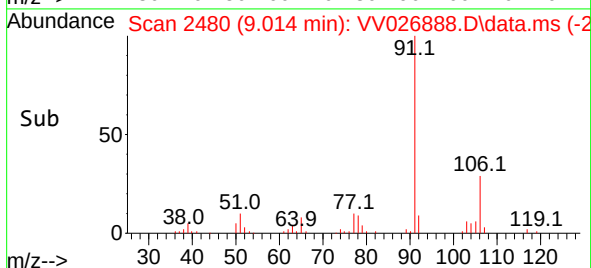
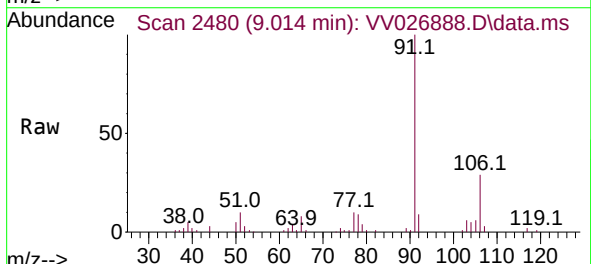
Manual Integrations  
APPROVED

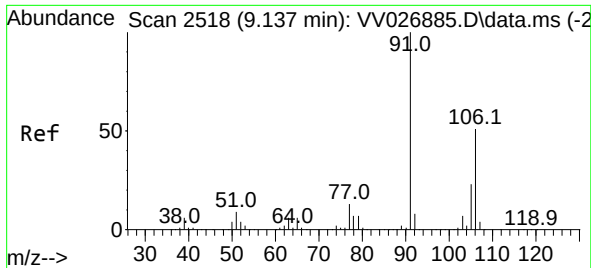
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#52  
Ethylbenzene  
Concen: 2.097 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Tgt Ion: 91 Resp: 39941  
Ion Ratio Lower Upper  
91 100  
106 28.5 22.0 40.8





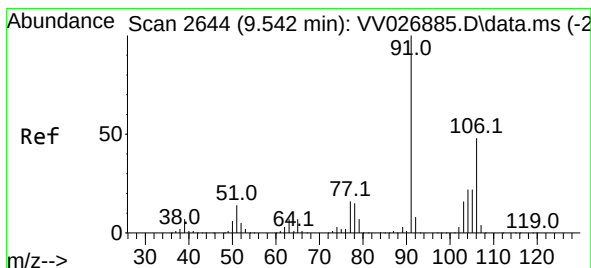
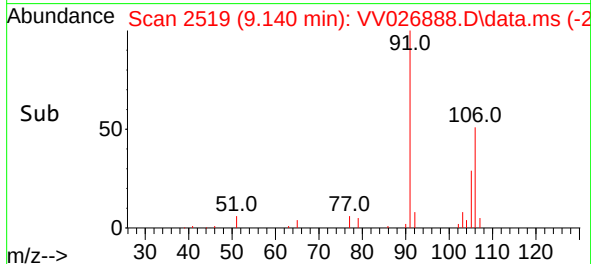
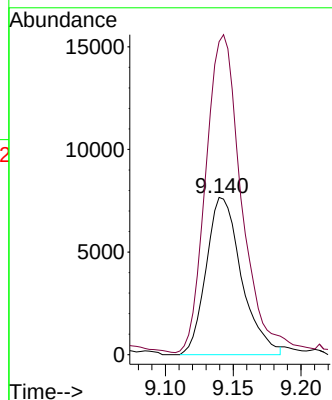
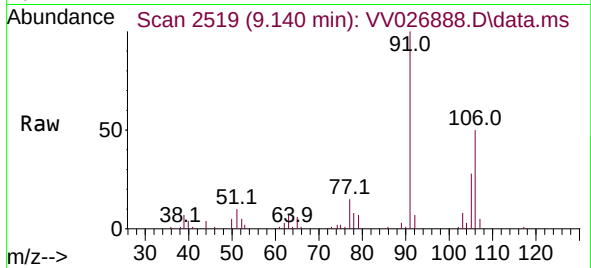
#53  
m,p-Xylene  
Concen: 1.862 ug/L  
RT: 9.140 min Scan# 2518  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03

Tgt Ion:106 Resp: 1388  
Ion Ratio Lower Upper  
106 100  
91 199.0 140.0 260.0

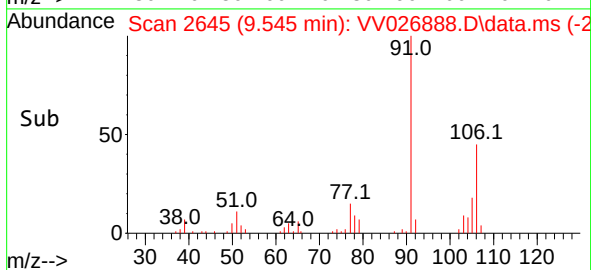
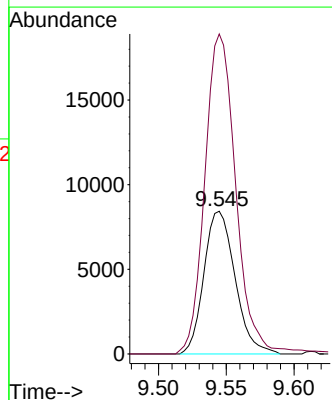
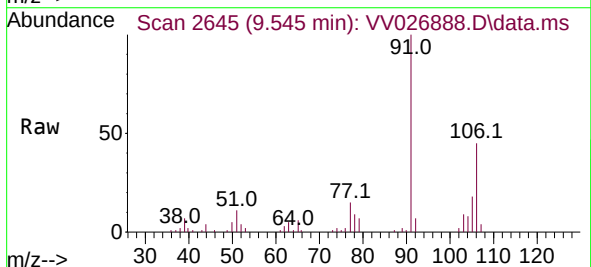
Manual Integrations  
APPROVED

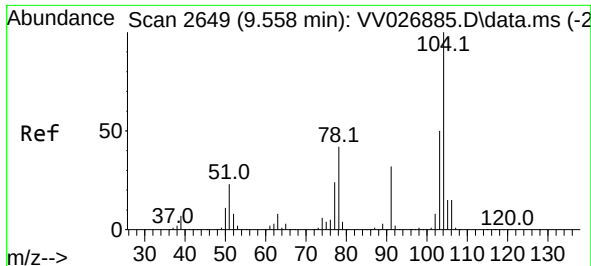
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#54  
o-Xylene  
Concen: 1.877 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Tgt Ion:106 Resp: 13483  
Ion Ratio Lower Upper  
106 100  
91 224.3 146.1 271.3





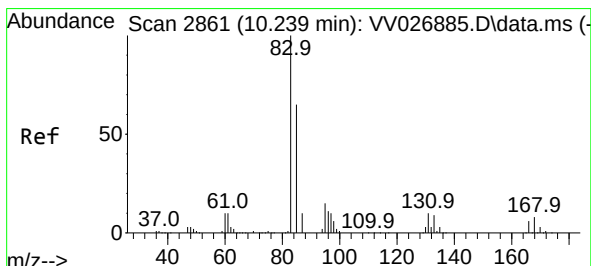
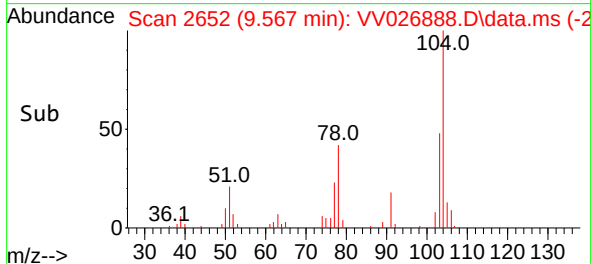
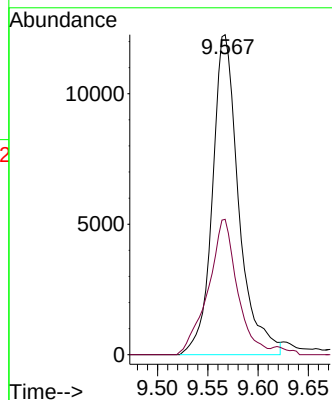
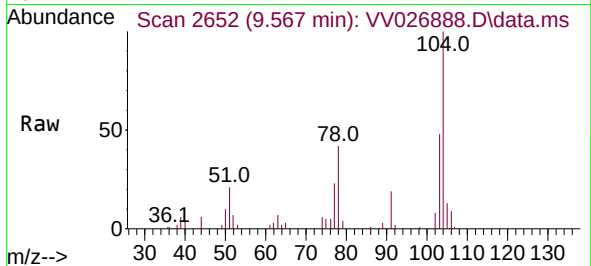
#55  
Styrene  
Concen: 1.762 ug/L  
RT: 9.567 min Scan# 2652  
Delta R.T. 0.009 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Instrument : MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03

Tgt Ion: 104 Resp: 22350  
Ion Ratio Lower Upper  
104 100  
78 42.3 29.6 55.0

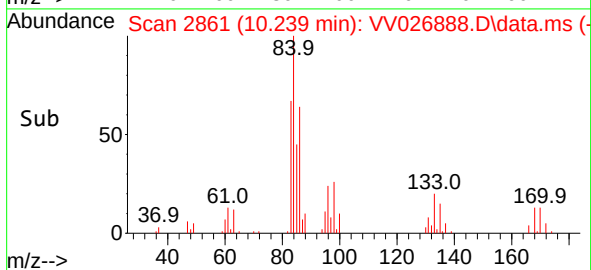
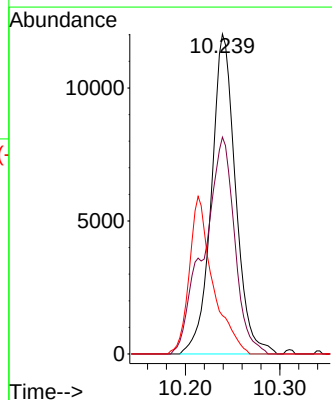
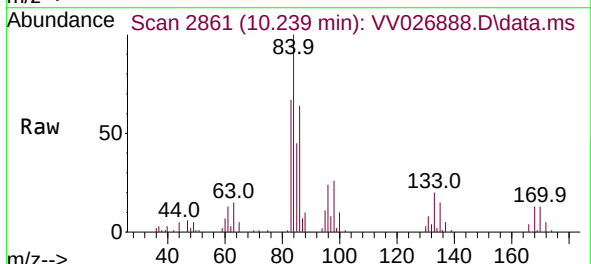
Manual Integrations  
APPROVED

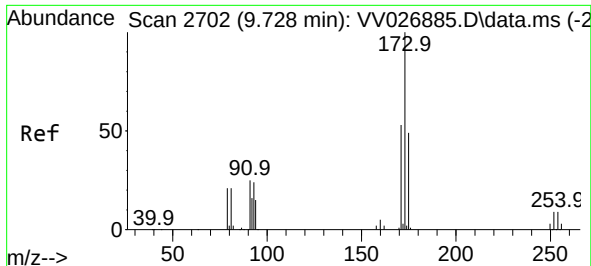
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.652 ug/L  
RT: 10.239 min Scan# 2861  
Delta R.T. -0.000 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

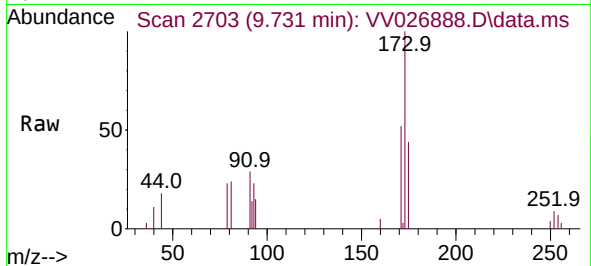
Tgt Ion: 83 Resp: 21336  
Ion Ratio Lower Upper  
83 100  
85 67.8 45.3 84.1  
131 12.0 7.8 11.6





#59  
Bromoform  
Concen: 2.715 ug/L  
RT: 9.731 min Scan# 2702  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

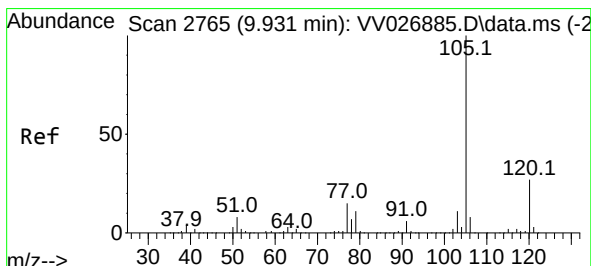
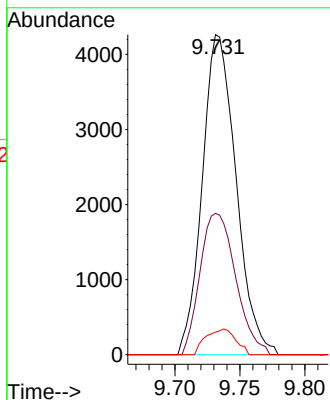
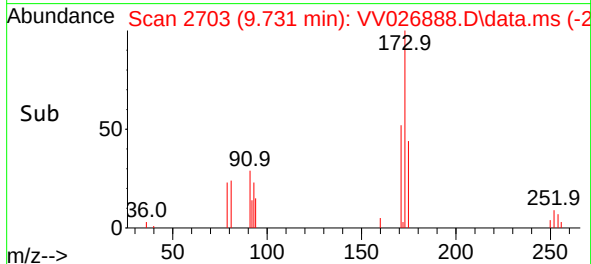
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03



Tgt Ion:173 Resp: 770  
Ion Ratio Lower Upper  
173 100  
175 46.7 38.6 57.8  
254 7.1 6.6 10.0

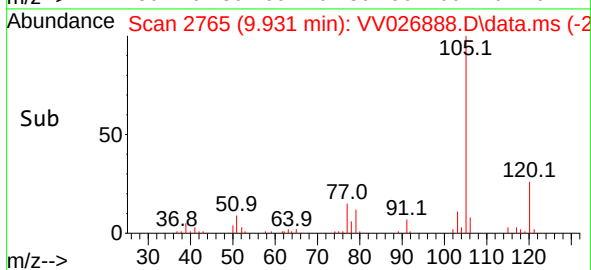
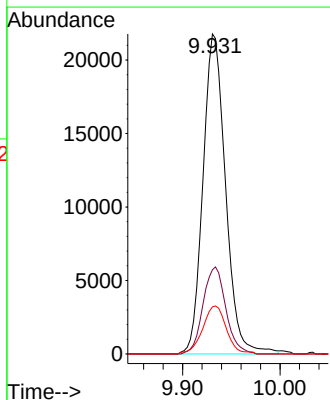
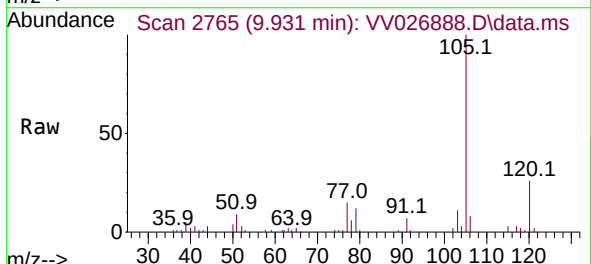
Manual Integrations  
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Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022

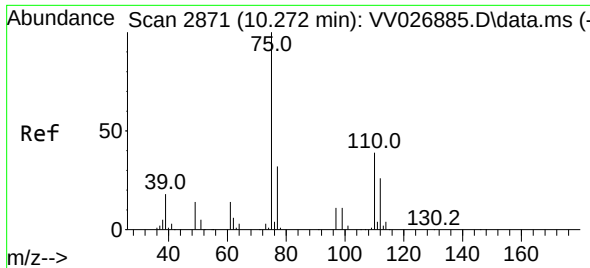


#60  
Isopropylbenzene  
Concen: 2.337 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. -0.000 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Tgt Ion:105 Resp: 35070  
Ion Ratio Lower Upper  
105 100  
120 27.4 21.1 31.7  
77 15.6 11.9 17.9







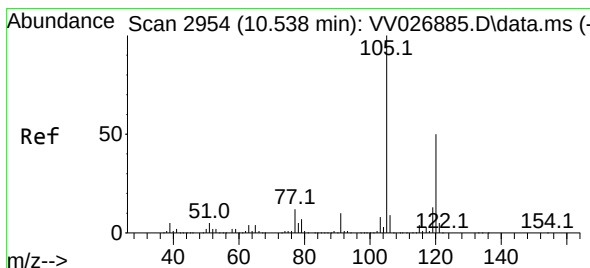
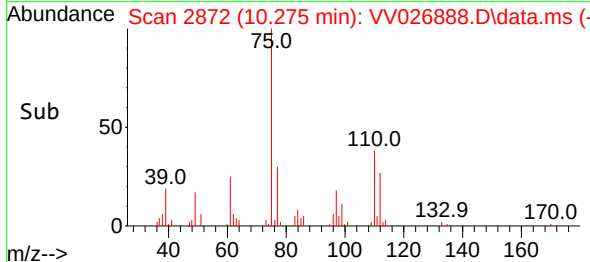
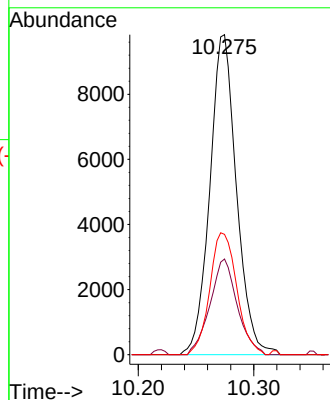
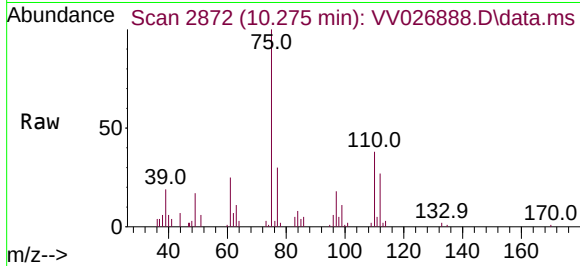
#61  
1,2,3-Trichloropropane  
Concen: 3.093 ug/L  
RT: 10.275 min Scan# 2871  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03

Tgt Ion: 75 Resp: 1575  
Ion Ratio Lower Upper  
75 100  
77 30.6 25.6 38.4  
110 38.7 31.7 47.5

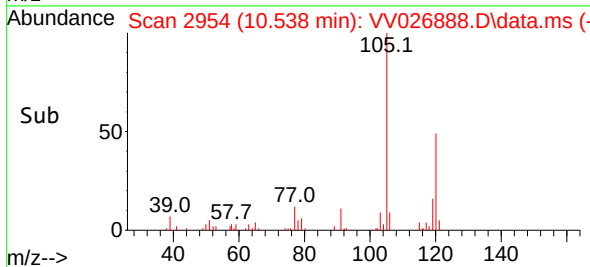
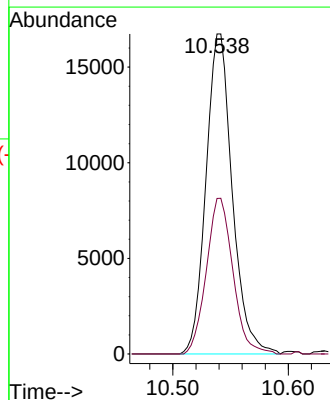
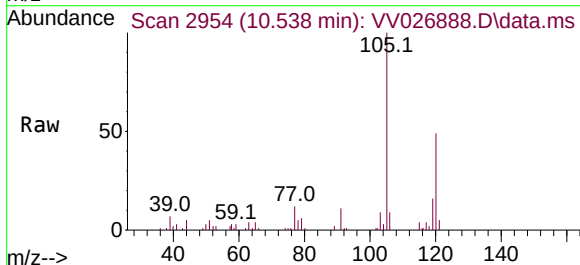
Manual Integrations  
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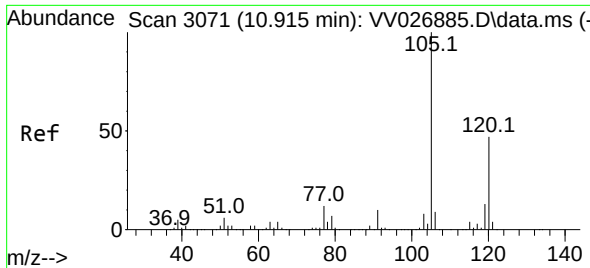
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#62  
1,3,5-Trimethylbenzene  
Concen: 2.171 ug/L  
RT: 10.538 min Scan# 2954  
Delta R.T. -0.000 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Tgt Ion:105 Resp: 26474  
Ion Ratio Lower Upper  
105 100  
120 49.1 39.8 59.6





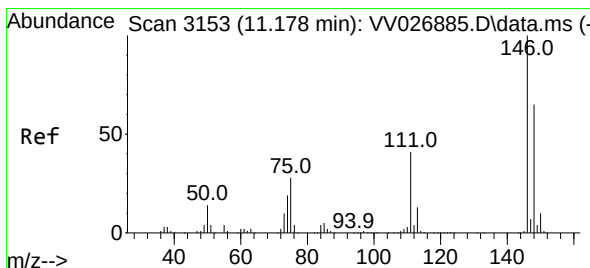
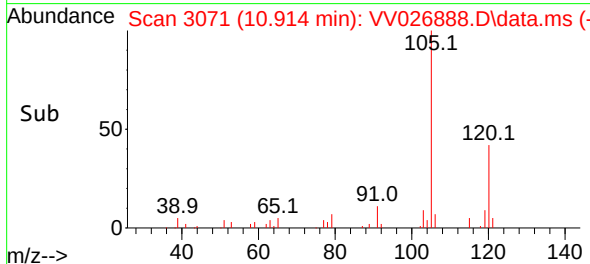
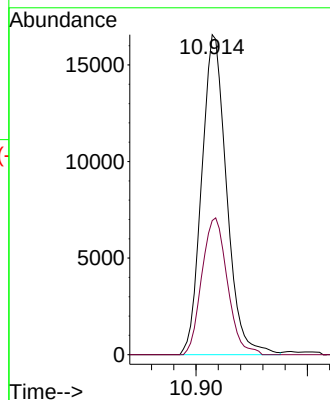
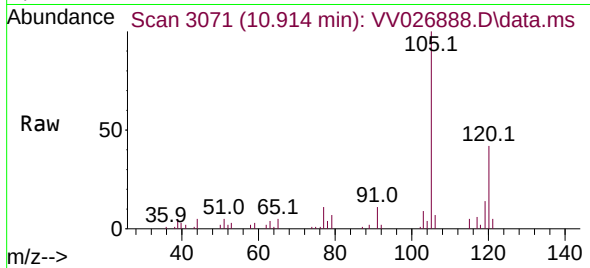
#63  
1,2,4-Trimethylbenzene  
Concen: 2.101 ug/L  
RT: 10.914 min Scan# 3071  
Delta R.T. -0.000 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

Instrument : MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03

Tgt Ion:105 Resp: 2570  
Ion Ratio Lower Upper  
105 100  
120 43.9 37.1 55.7

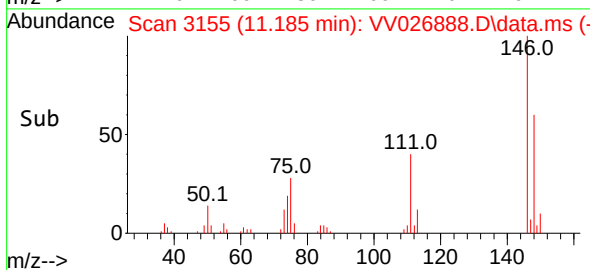
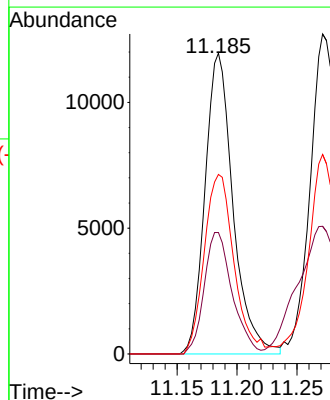
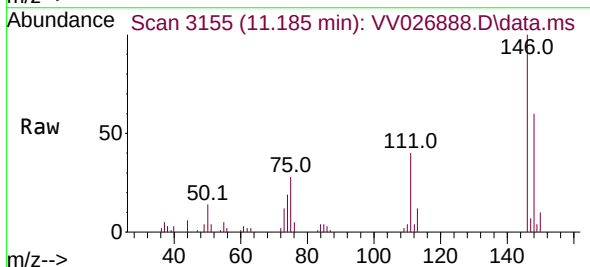
Manual Integrations  
APPROVED

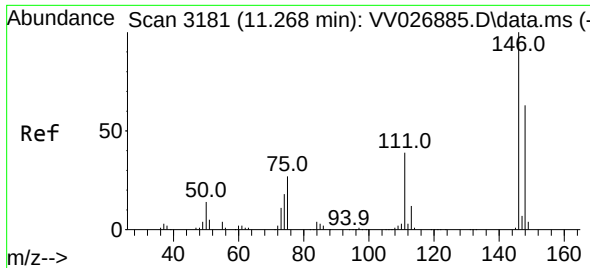
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022



#64  
1,3-Dichlorobenzene  
Concen: 2.534 ug/L  
RT: 11.185 min Scan# 3155  
Delta R.T. 0.006 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

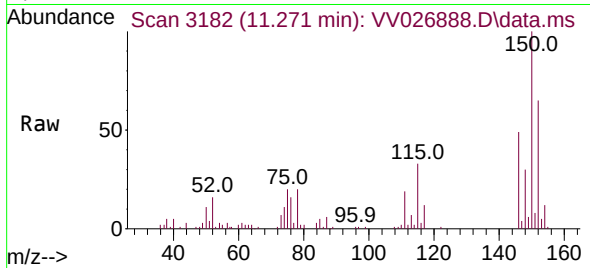
Tgt Ion:146 Resp: 19431  
Ion Ratio Lower Upper  
146 100  
111 40.4 27.9 51.9  
148 59.7 44.2 82.2





#65  
1,4-Dichlorobenzene  
Concen: 2.631 ug/L  
RT: 11.271 min Scan# 3181  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

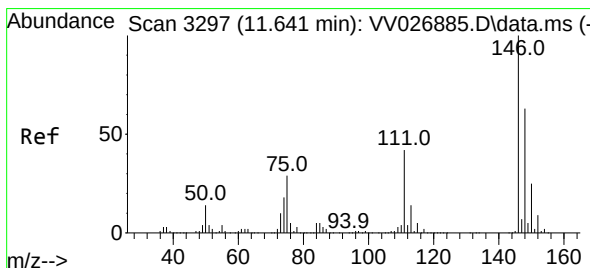
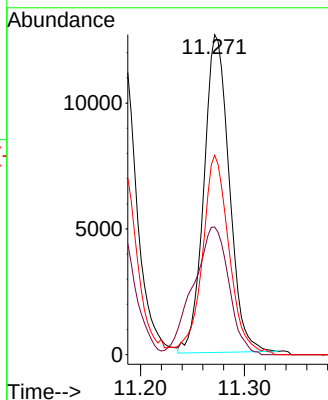
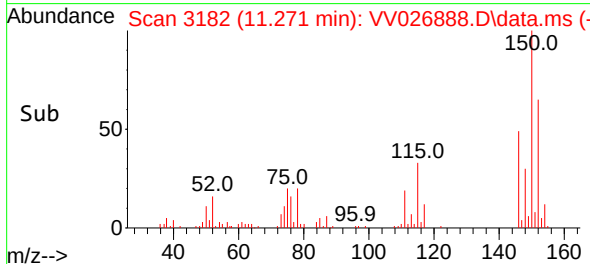
Instrument : MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2022-03



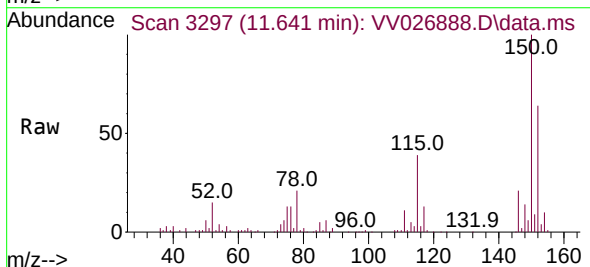
Tgt Ion:146 Resp: 2137  
Ion Ratio Lower Upper  
146 100  
111 39.9 27.4 51.0  
148 62.3 44.4 82.4

Manual Integrations  
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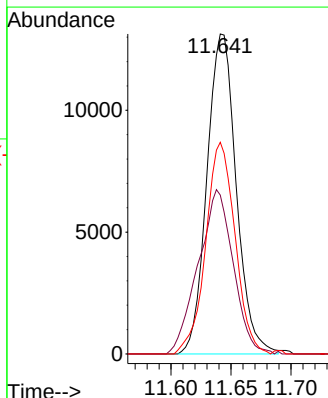
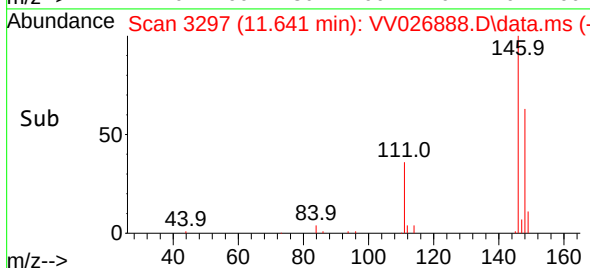
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022

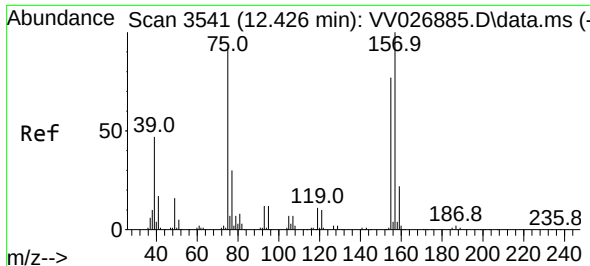


#67  
1,2-Dichlorobenzene  
Concen: 2.838 ug/L  
RT: 11.641 min Scan# 3297  
Delta R.T. -0.000 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32



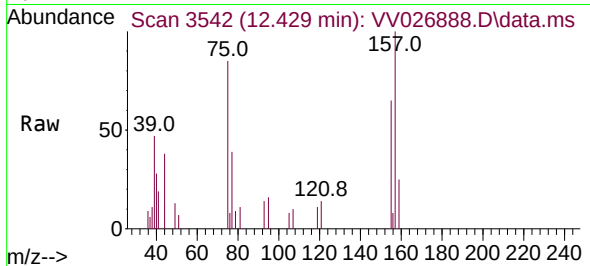
Tgt Ion:146 Resp: 22326  
Ion Ratio Lower Upper  
146 100  
111 49.6 33.2 49.8  
148 66.2 51.4 77.2





#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.782 ug/L  
RT: 12.429 min Scan# 3541  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32

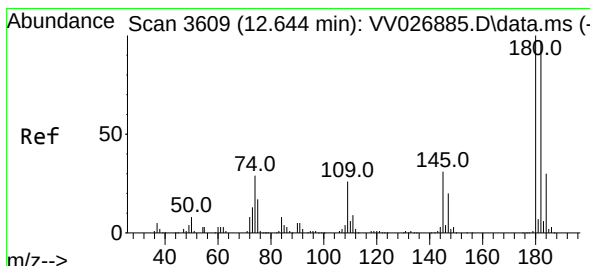
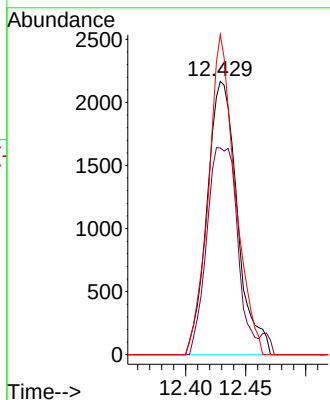
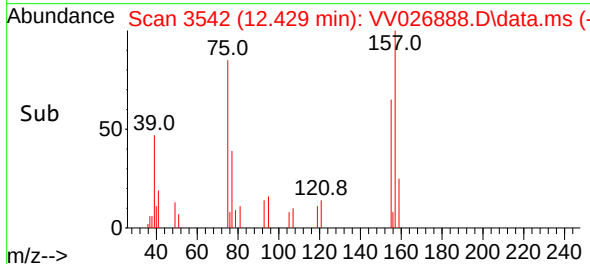
Instrument : MSVOA\_V  
ClientSampleId : MDL-WATER-QT2-2022-03



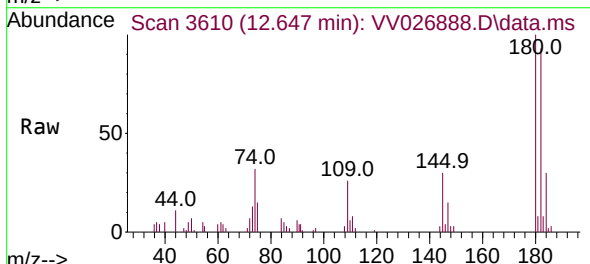
Tgt Ion: 75 Resp: 3788  
Ion Ratio Lower Upper  
75 100  
155 75.6 67.7 101.5  
157 117.1 87.1 130.7

Manual Integrations  
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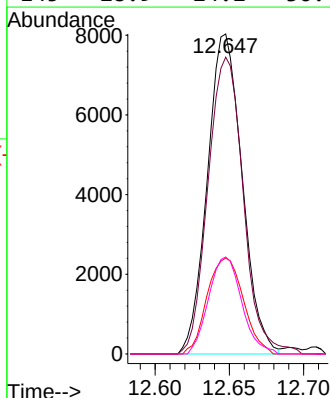
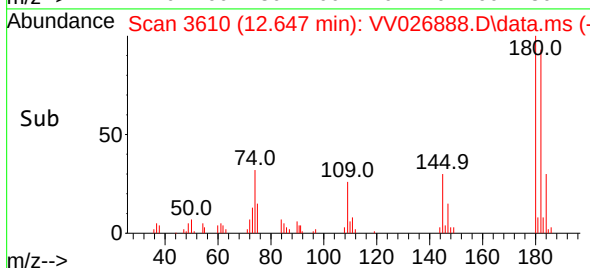
Reviewed By :Krupa Patel 07/23/2022  
Supervised By :Semsettin Yesilyurt 07/24/2022

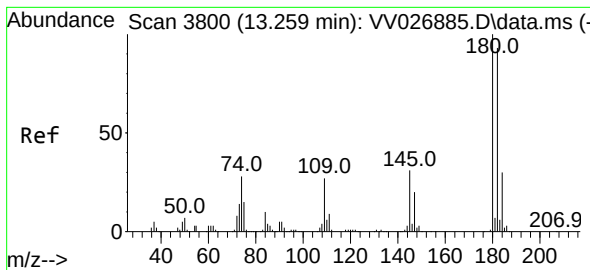


#69  
1,3,5-Trichlorobenzene  
Concen: 2.407 ug/L  
RT: 12.647 min Scan# 3610  
Delta R.T. 0.003 min  
Lab File: VV026888.D  
Acq: 22 Jul 2022 15:32



Tgt Ion:180 Resp: 13066  
Ion Ratio Lower Upper  
180 100  
182 94.0 75.6 113.4  
184 31.3 23.8 35.8  
145 28.9 24.2 36.4





#70

1,2,4-trichlorobenzene

Concen: 2.355 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.003 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT2-2022-03

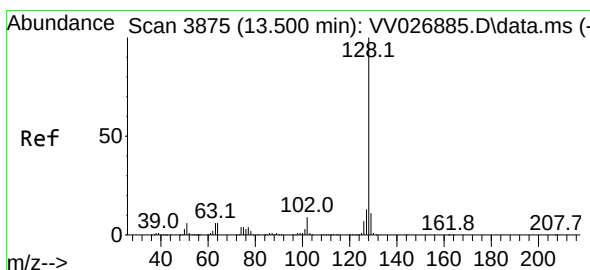
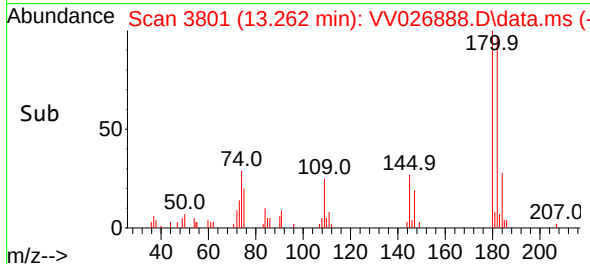
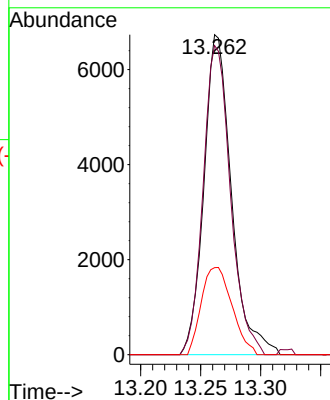
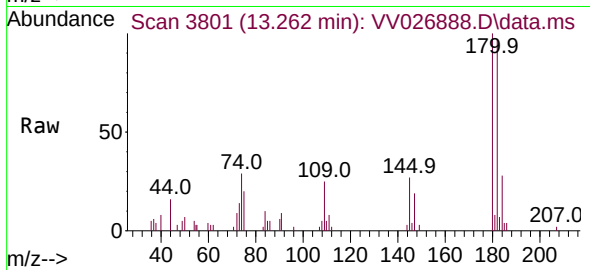
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:180 | Resp: | 1077  |       |
| Ion Ratio   | Lower | Upper |       |
| 180         | 100   |       |       |
| 182         | 95.9  | 76.2  | 114.4 |
| 145         | 30.3  | 25.0  | 37.6  |

Manual Integrations

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Reviewed By :Krupa Patel 07/23/2022

Supervised By :Semsettin Yesilyurt 07/24/2022



#71

Naphthalene

Concen: 2.048 ug/L

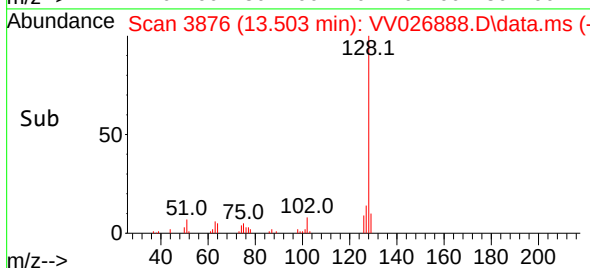
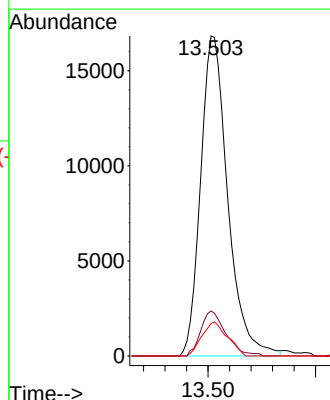
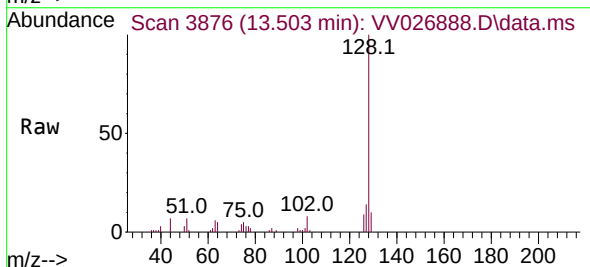
RT: 13.503 min Scan# 3876

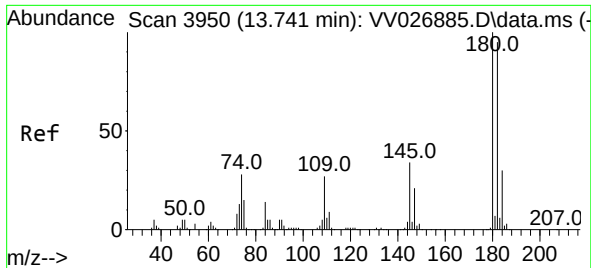
Delta R.T. 0.003 min

Lab File: VV026888.D

Acq: 22 Jul 2022 15:32

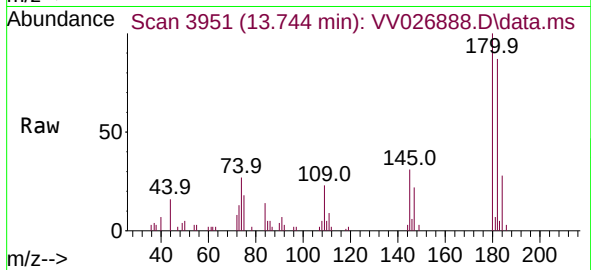
|             |       |       |      |
|-------------|-------|-------|------|
| Tgt Ion:128 | Resp: | 29456 |      |
| Ion Ratio   | Lower | Upper |      |
| 128         | 100   |       |      |
| 127         | 13.0  | 10.4  | 15.6 |
| 129         | 10.0  | 8.6   | 13.0 |





#72  
 1,2,3-Trichlorobenzene  
 Concen: 2.347 ug/L  
 RT: 13.744 min Scan# 3950  
 Delta R.T. 0.003 min  
 Lab File: VV026888.D  
 Acq: 22 Jul 2022 15:32

Instrument : MSVOA\_V  
 ClientSampleId :  
 MDL-WATER-QT2-2022-03



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.3  | 75.4  | 113.2 |
| 145     | 31.2  | 26.6  | 40.0  |

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 07/23/2022  
 Supervised By :Semsettin Yesilyurt 07/24/2022

