

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030524\  
 Data File : VX040590.D  
 Acq On : 05 Mar 2024 15:50  
 Operator : JC/MD  
 Sample : P1187-08 5.0PPB  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2024

Quant Time: Mar 06 00:13:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X030524W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Mar 05 13:21:29 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 03/06/2024  
 Supervised By : Mahesh Dadoda 03/06/2024

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Bromochloromethane        | 4.898          | 128  | 16247      | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.763          | 114  | 88766      | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055         | 117  | 84153      | 30.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.958          | 65   | 46388      | 28.588  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 95.300% |        |          |
| 60) 4-Bromofluorobenzene     | 11.079         | 95   | 38807      | 26.884  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 89.600% |        |          |
| 63) Toluene-d8               | 8.647          | 98   | 111221     | 29.907  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 99.700% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 6035       | 5.477   | ug/l   | 96       |
| 3) Chloromethane             | 1.295          | 50   | 5907       | 5.232   | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 6246       | 5.119   | ug/l   | 98       |
| 5) Bromomethane              | 1.599          | 94   | 4434       | 5.950   | ug/l   | 95       |
| 6) Chloroethane              | 1.685          | 64   | 3992       | 5.569   | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 9309       | 5.011   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 3100       | 4.914   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 5245       | 5.154   | ug/l   | 93       |
| 10) 1,1-Dichloroethene       | 2.319          | 96   | 5071       | 5.234   | ug/l   | 95       |
| 11) Methyl Iodide            | 2.447          | 142  | 5051       | 4.310   | ug/l   | 99       |
| 12) Methyl Acetate           | 2.703          | 43   | 7331       | 4.594   | ug/l   | 94       |
| 13) Acrolein                 | 2.233          | 56   | 7498       | 24.921  | ug/l   | 100      |
| 14) Acrylonitrile            | 3.063          | 53   | 15614      | 24.846  | ug/l   | 99       |
| 15) Acetone                  | 2.380          | 58   | 4592       | 25.563  | ug/l   | 69       |
| 16) Carbon Disulfide         | 2.508          | 76   | 13316      | 5.001   | ug/l   | 98       |
| 17) Allyl chloride           | 2.660          | 41   | 9136       | 5.110   | ug/l   | 95       |
| 18) Methylene Chloride       | 2.794          | 84   | 6756       | 6.108   | ug/l   | 90       |
| 19) trans-1,2-Dichloroethene | 3.087          | 96   | 5173       | 4.891   | ug/l   | 92       |
| 20) Diisopropyl ether        | 3.764          | 45   | 17156      | 4.798   | ug/l   | 98       |
| 21) 1,1-Dichloroethane       | 3.611          | 63   | 10404      | 5.056   | ug/l   | 96       |
| 22) cis-1,2-Dichloroethene   | 4.495          | 96   | 6215       | 5.060   | ug/l   | 96       |
| 23) tert-Butyl Alcohol       | 2.959          | 59   | 7776       | 26.189  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 3.111          | 73   | 17398      | 4.866   | ug/l   | 92       |
| 25) Chloroform               | 5.099          | 83   | 10908      | 4.844   | ug/l   | 96       |
| 26) Cyclohexane              | 5.471          | 56   | 8379       | 5.046   | ug/l # | 58       |
| 29) 1,1-Dichloropropene      | 5.696          | 75   | 8088       | 5.264   | ug/l   | 96       |
| 30) 2-Butanone               | 4.556          | 43   | 24213      | 25.825  | ug/l # | 93       |
| 31) 2,2-Dichloropropane      | 4.471          | 77   | 8561       | 5.162   | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 9293       | 4.800   | ug/l   | 93       |
| 33) Carbon Tetrachloride     | 5.678          | 117  | 7721       | 4.740   | ug/l   | 86       |
| 34) Benzene                  | 6.038          | 78   | 22169      | 5.345   | ug/l   | 96       |
| 35) Methacrylonitrile        | 4.922          | 41   | 5360       | 5.569   | ug/l   | 86       |
| 36) 1,2-Dichloroethane       | 6.086          | 62   | 10140      | 5.287   | ug/l # | 84       |
| 37) Trichloroethene          | 7.129          | 130  | 6116       | 5.487   | ug/l   | 95       |
| 38) Methylcyclohexane        | 7.379          | 83   | 8418       | 5.088   | ug/l   | 93       |
| 39) 1,2-Dichloropropane      | 7.434          | 63   | 5468       | 5.178   | ug/l   | 98       |
| 40) Dibromomethane           | 7.580          | 93   | 4847       | 5.842   | ug/l   | 98       |
| 41) Bromodichloromethane     | 7.824          | 83   | 8325       | 5.044   | ug/l # | 99       |
| 42) Vinyl Acetate            | 3.721          | 43   | 79322      | 24.572  | ug/l   | 98       |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2024

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 QLast Update : Tue Mar 05 13:21:29 2024  
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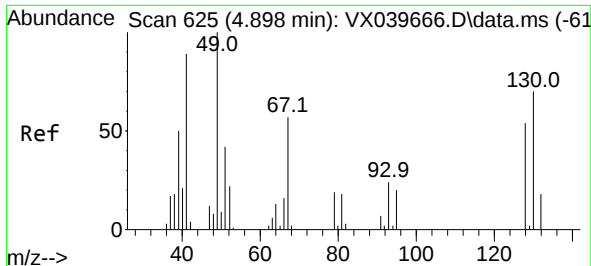
Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/06/2024  
 Supervised By : Mahesh Dadoda 03/06/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 43) Ethyl Acetate             | 4.721  | 43   | 8812     | 4.990  | ug/l # | 78       |
| 44) Isopropyl Acetate         | 6.348  | 43   | 13454    | 4.773  | ug/l # | 82       |
| 45) 1,4-Dioxane               | 7.665  | 88   | 2674     | 92.292 | ug/l # | 90       |
| 46) Methyl methacrylate       | 7.696  | 41   | 6908     | 4.934  | ug/l   | 96       |
| 47) n-amyl Acetate            | 10.842 | 43   | 9962     | 4.101  | ug/l   | 98       |
| 48) t-1,3-Dichloropropene     | 8.982  | 75   | 7969     | 4.568  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 8758     | 4.928  | ug/l   | 97       |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 5695     | 5.168  | ug/l   | 94       |
| 51) Ethyl methacrylate        | 9.116  | 69   | 8242     | 4.750  | ug/l   | 94       |
| 52) 1,3-Dichloropropane       | 9.311  | 76   | 10160    | 5.403  | ug/l   | 97       |
| 53) Dibromochloromethane      | 9.519  | 129  | 5699     | 4.536  | ug/l   | 93       |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 6131     | 5.028  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether | 8.244  | 63   | 21280    | 24.085 | ug/l   | 99       |
| 56) Bromoform                 | 10.799 | 173  | 3642     | 4.087  | ug/l # | 98       |
| 58) 4-Methyl-2-Pentanone      | 8.574  | 43   | 47923    | 25.574 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.427  | 43   | 37091    | 24.505 | ug/l   | 95       |
| 61) Tetrachloroethene         | 9.275  | 164  | 5596     | 5.603  | ug/l   | 92       |
| 62) Toluene                   | 8.720  | 91   | 23958    | 5.169  | ug/l   | 100      |
| 64) Chlorobenzene             | 10.080 | 112  | 14820    | 5.232  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 5337     | 4.939  | ug/l   | 99       |
| 66) Ethyl Benzene             | 10.195 | 91   | 26934    | 5.040  | ug/l   | 98       |
| 67) m/p-Xylenes               | 10.299 | 106  | 19848    | 10.058 | ug/l   | 96       |
| 68) o-Xylene                  | 10.640 | 106  | 8953     | 4.713  | ug/l   | 98       |
| 69) Styrene                   | 10.659 | 104  | 14302    | 4.481  | ug/l   | 99       |
| 70) Isopropylbenzene          | 10.964 | 105  | 24152    | 4.705  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 8499     | 4.723  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 7293m    | 4.504  | ug/l   |          |
| 73) Bromobenzene              | 11.201 | 156  | 5828     | 4.796  | ug/l   | 91       |
| 74) n-propylbenzene           | 11.305 | 91   | 29254    | 4.614  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 18332    | 4.873  | ug/l   | 97       |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 20468    | 4.529  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 1927     | 3.830  | ug/l   | 80       |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 20402    | 4.546  | ug/l   | 100      |
| 79) tert-butylbenzene         | 11.713 | 119  | 18572    | 4.403  | ug/l   | 96       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 20999    | 4.716  | ug/l   | 97       |
| 81) sec-Butylbenzene          | 11.890 | 105  | 25639    | 4.604  | ug/l   | 98       |
| 82) p-Isopropyltoluene        | 12.006 | 119  | 20681    | 4.537  | ug/l   | 97       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 11602    | 4.907  | ug/l   | 95       |
| 84) 1,4-Dichlorobenzene       | 12.043 | 146  | 11788    | 4.875  | ug/l   | 99       |
| 85) n-Butylbenzene            | 12.335 | 91   | 21381    | 4.820  | ug/l   | 97       |
| 86) Hexachloroethane          | 12.536 | 117  | 3602     | 4.529  | ug/l   | 90       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 11585    | 5.042  | ug/l   | 97       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 2304     | 4.788  | ug/l   | 93       |
| 89) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 7663     | 4.953  | ug/l   | 99       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 3479     | 5.561  | ug/l   | 97       |
| 91) Naphthalene               | 13.774 | 128  | 24041    | 4.764  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 7719     | 5.060  | ug/l   | 98       |

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





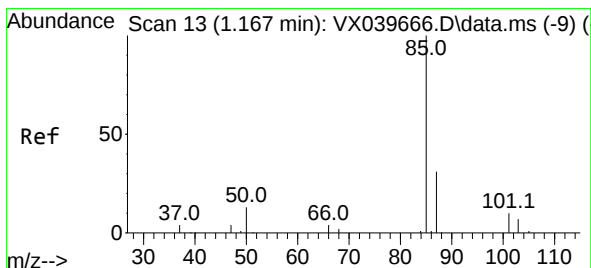
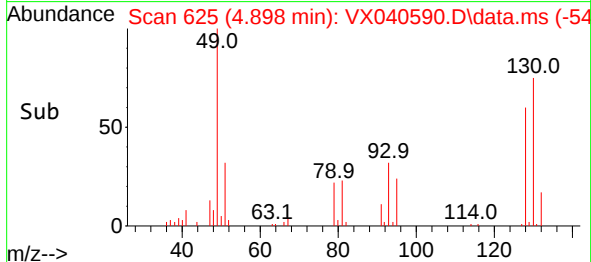
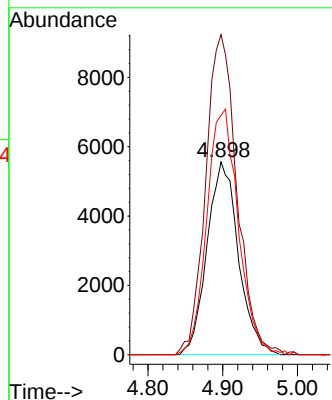
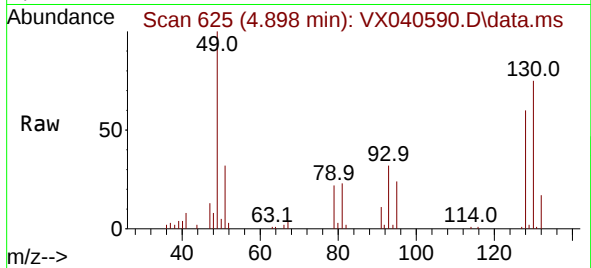
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Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.898 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion:128 Resp: 1624  
Ion Ratio Lower Upper  
128 100  
49 165.8 0.0 444.0  
130 128.0 0.0 297.8

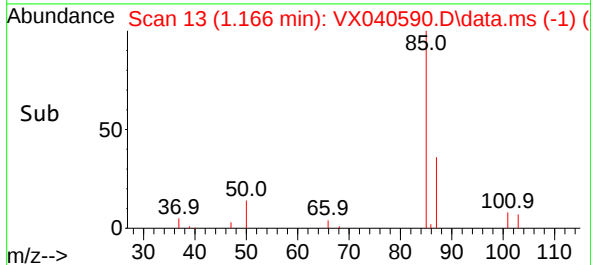
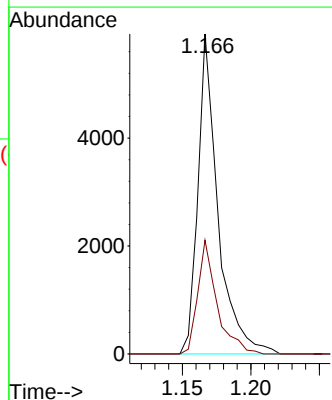
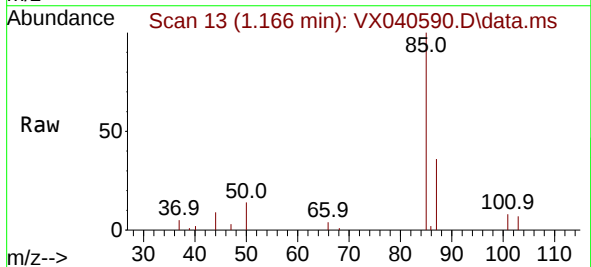
Manual Integrations  
APPROVED

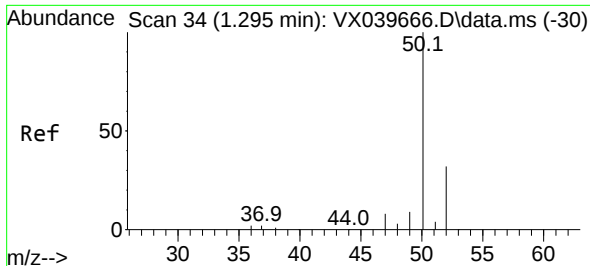
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#2  
Dichlorodifluoromethane  
Concen: 5.477 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.001 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

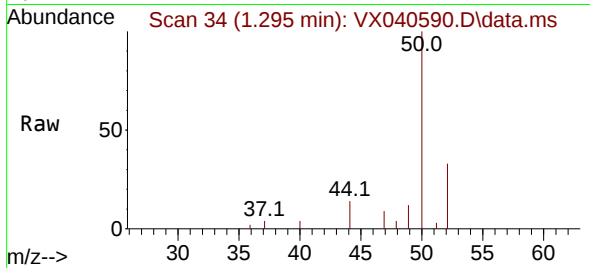
Tgt Ion: 85 Resp: 6035  
Ion Ratio Lower Upper  
85 100  
87 35.6 16.7 50.1





#3  
Chloromethane  
Concen: 5.232 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

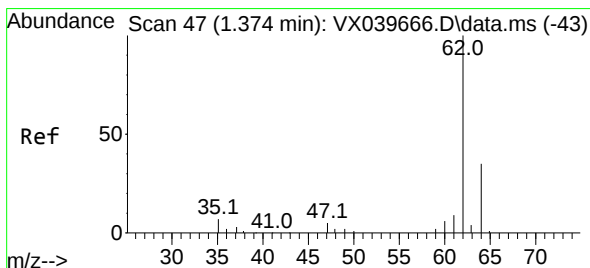
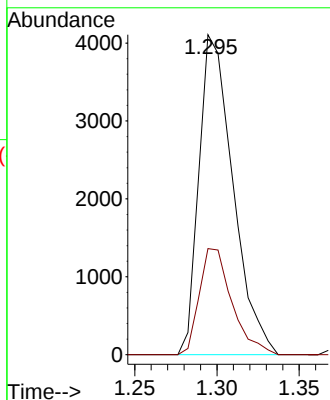
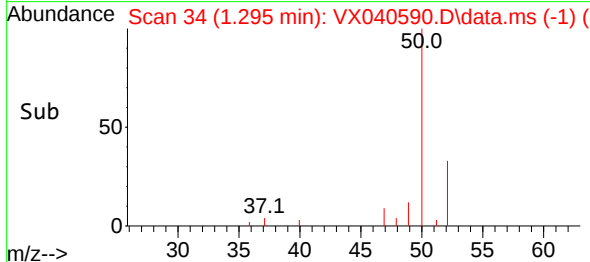
Instrument : MSVOA\_X  
ClientSampleId : LOQ-WATER-02-QT1-2024



Tgt Ion: 50 Resp: 590  
Ion Ratio Lower Upper  
50 100  
52 33.2 27.8 41.8

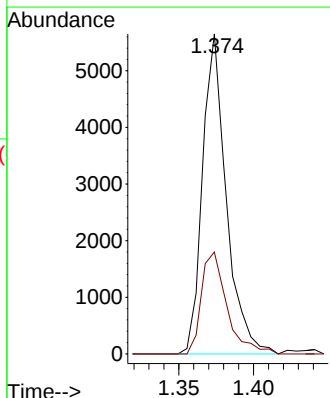
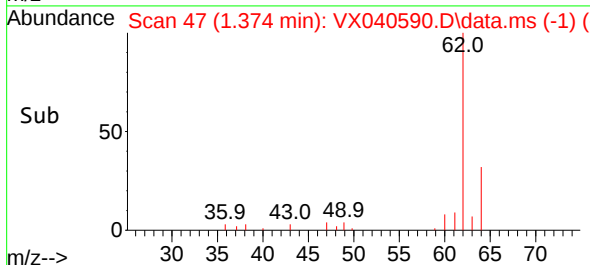
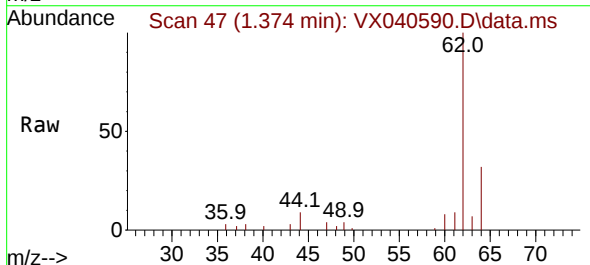
Manual Integrations  
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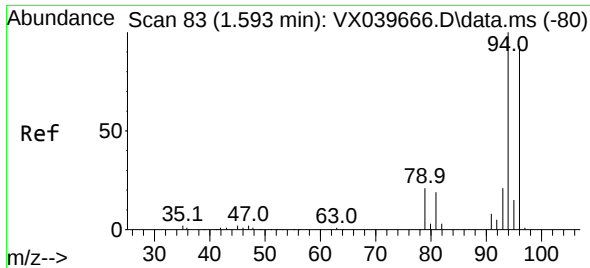
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#4  
Vinyl Chloride  
Concen: 5.119 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion: 62 Resp: 6246  
Ion Ratio Lower Upper  
62 100  
64 31.9 26.3 39.5





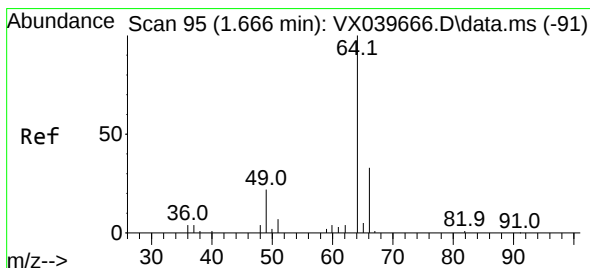
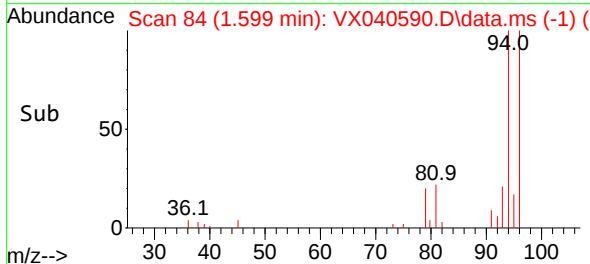
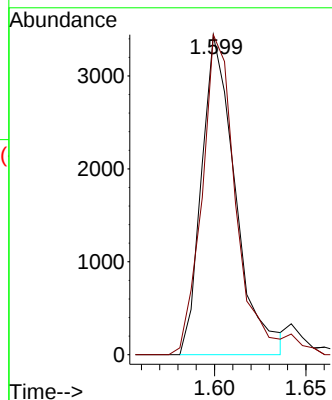
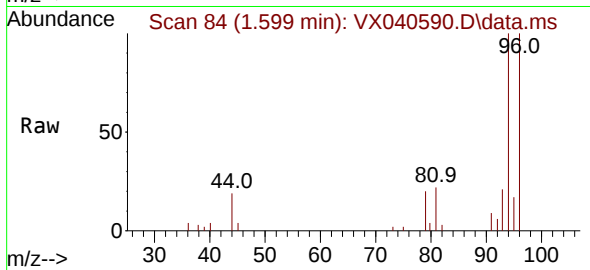
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Bromomethane  
Concen: 5.950 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion: 94 Resp: 4434  
Ion Ratio Lower Upper  
94 100  
96 97.9 74.9 112.3

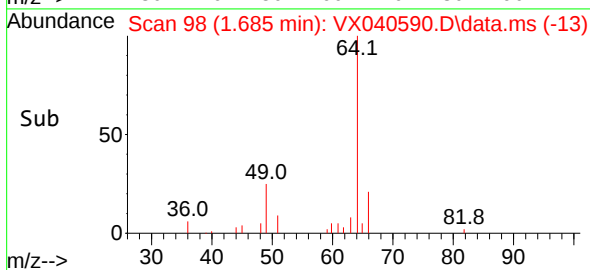
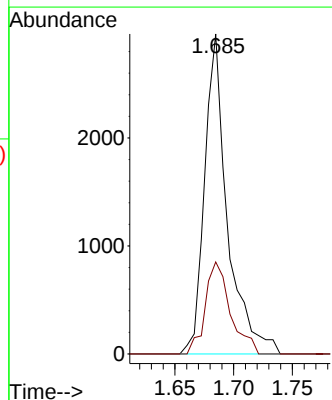
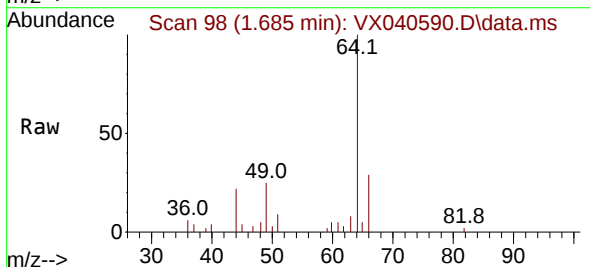
Manual Integrations  
APPROVED

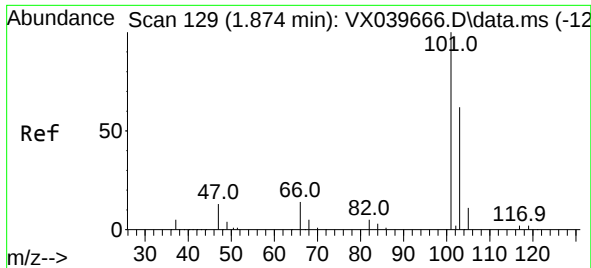
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#6  
Chloroethane  
Concen: 5.569 ug/l  
RT: 1.685 min Scan# 98  
Delta R.T. 0.019 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

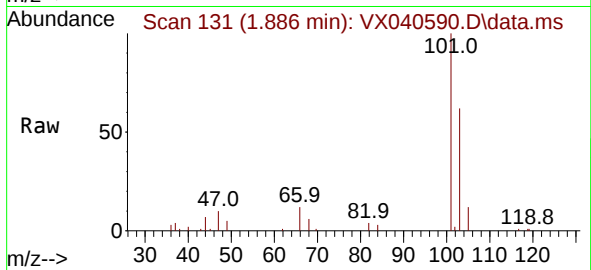
Tgt Ion: 64 Resp: 3992  
Ion Ratio Lower Upper  
64 100  
66 28.8 25.0 37.6





#7  
Trichlorofluoromethane  
Concen: 5.011 ug/l  
RT: 1.886 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

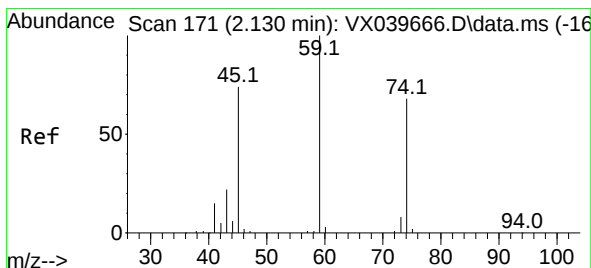
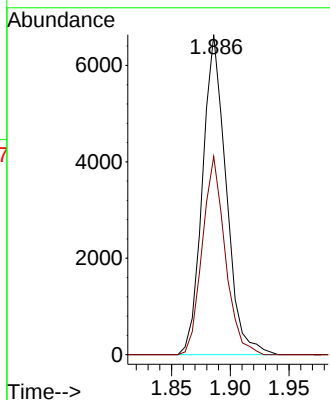
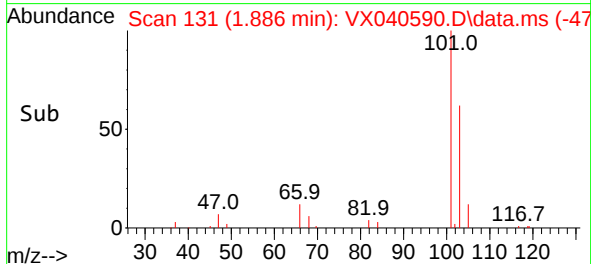
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



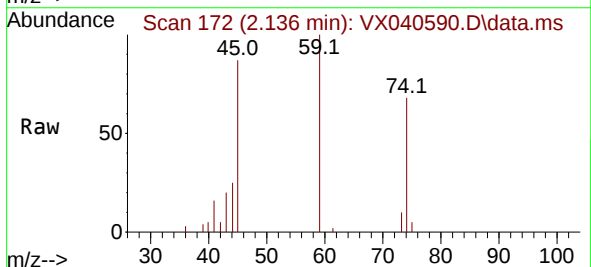
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Ion Ratio Lower Upper  
101 100  
103 61.9 49.1 73.7

Manual Integrations  
APPROVED

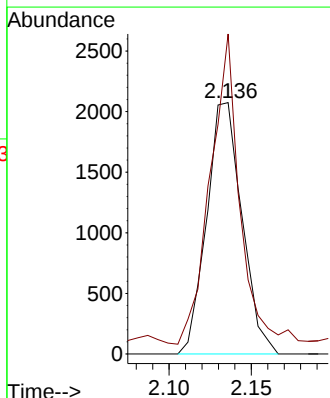
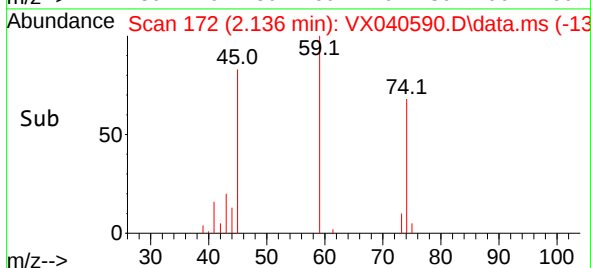
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024

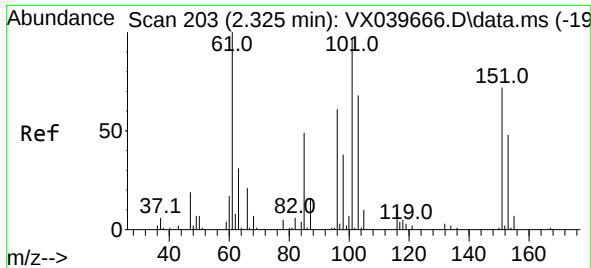


#8  
Diethyl Ether  
Concen: 4.914 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50



Tgt Ion: 74 Resp: 3100  
Ion Ratio Lower Upper  
74 100  
45 103.3 20.5 184.5





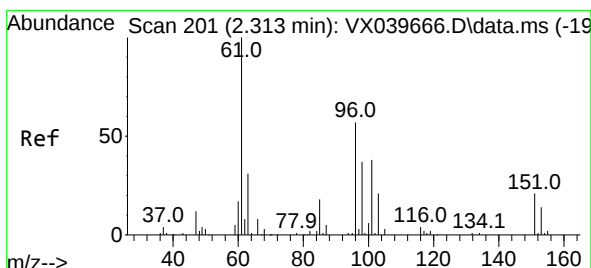
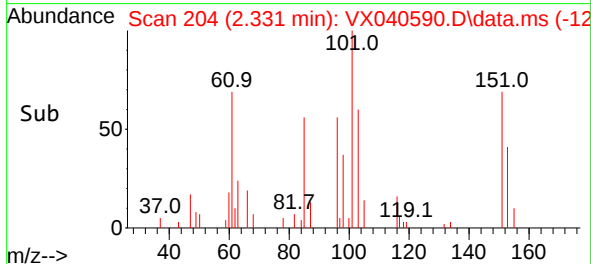
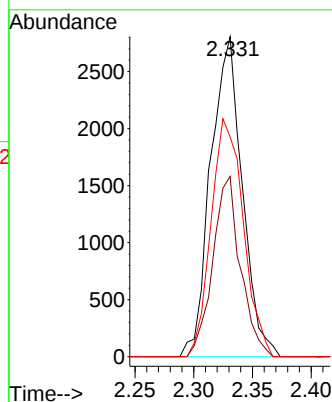
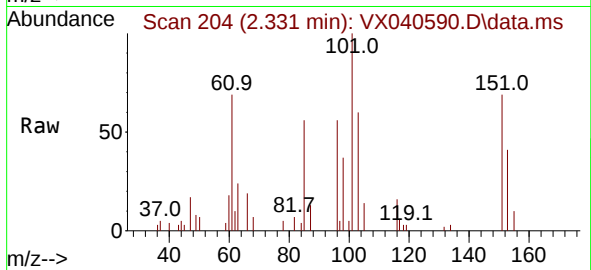
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 5.154 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion:101 Resp: 524  
Ion Ratio Lower Upper  
101 100  
85 49.4 0.0 95.2  
151 75.9 0.0 136.8

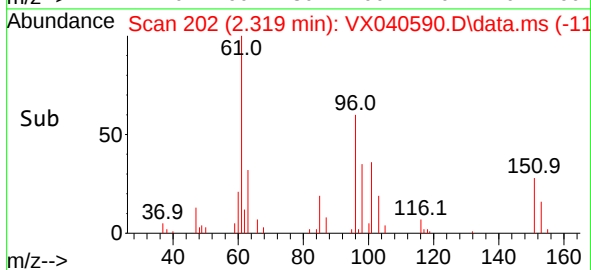
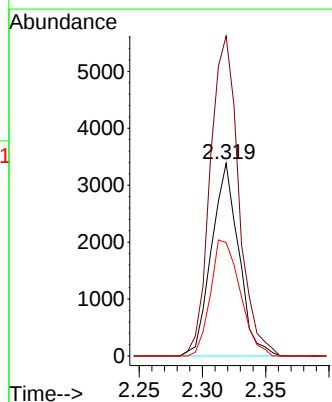
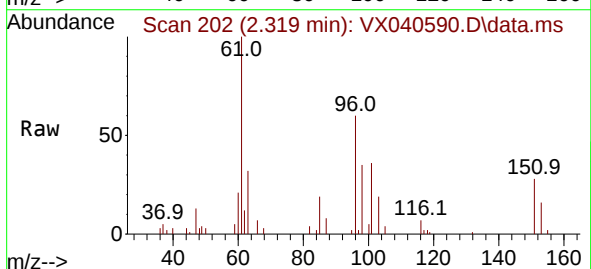
Manual Integrations  
APPROVED

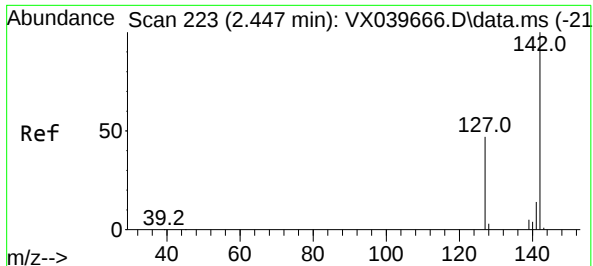
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#10  
1,1-Dichloroethene  
Concen: 5.234 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

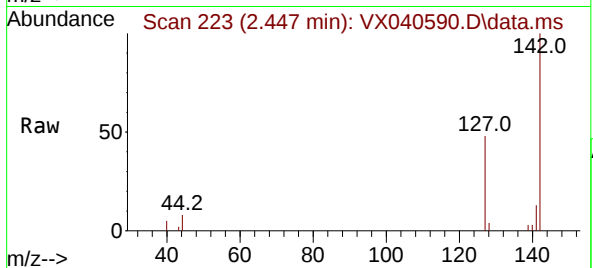
Tgt Ion: 96 Resp: 5071  
Ion Ratio Lower Upper  
96 100  
61 166.2 138.3 207.5  
98 58.9 49.8 74.6





#11  
Methyl Iodide  
Concen: 4.310 ug/l  
RT: 2.447 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

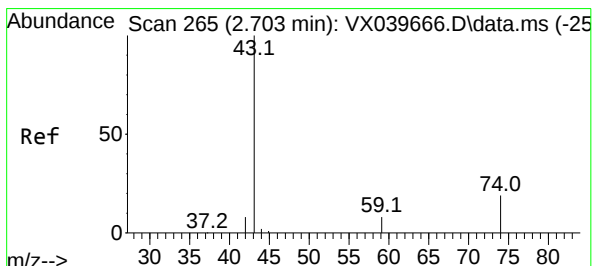
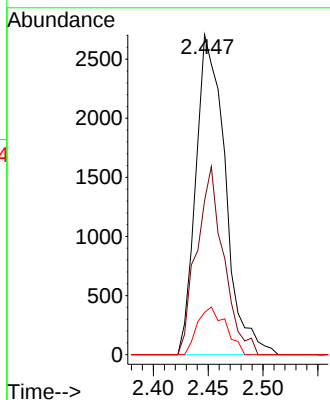
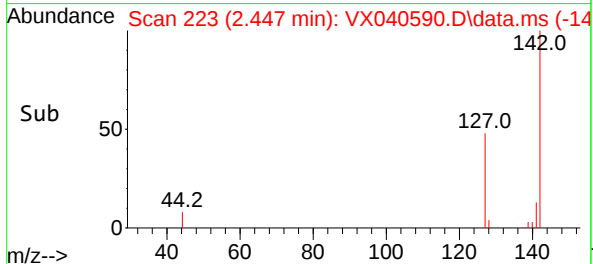
Instrument : MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



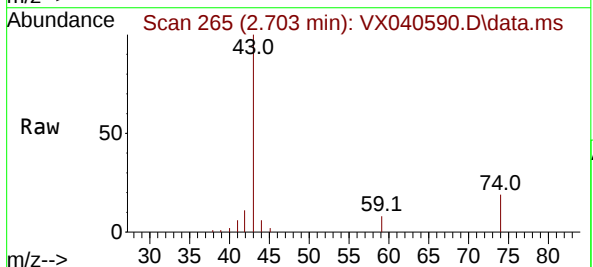
Tgt Ion:142 Resp: 505  
Ion Ratio Lower Upper  
142 100  
127 48.2 23.8 71.4  
141 13.2 6.9 20.6

Manual Integrations  
APPROVED

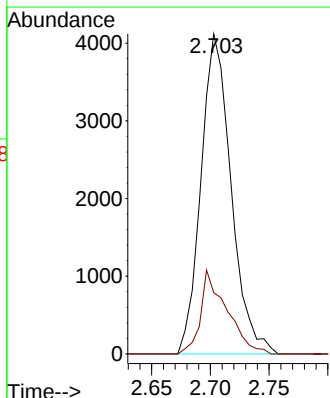
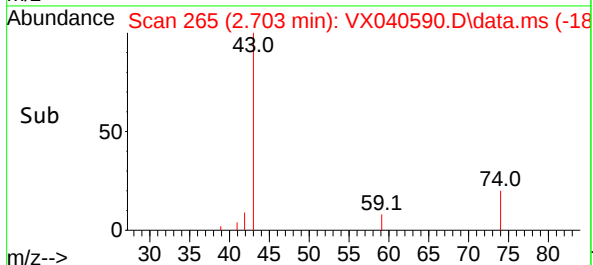
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024

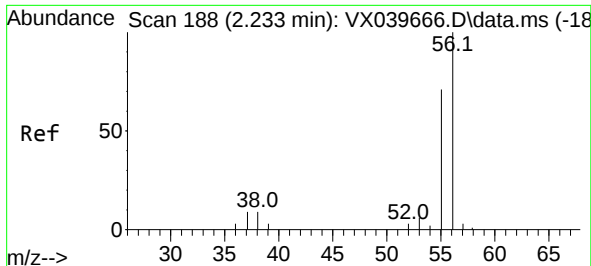


#12  
Methyl Acetate  
Concen: 4.594 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50



Tgt Ion: 43 Resp: 7331  
Ion Ratio Lower Upper  
43 100  
74 19.2 17.8 26.6





#13

Acrolein

Concen: 24.921 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX040590.D

Acq: 05 Mar 2024 15:50

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT1-2024

Tgt Ion: 56 Resp: 7498

Ion Ratio Lower Upper

56 100

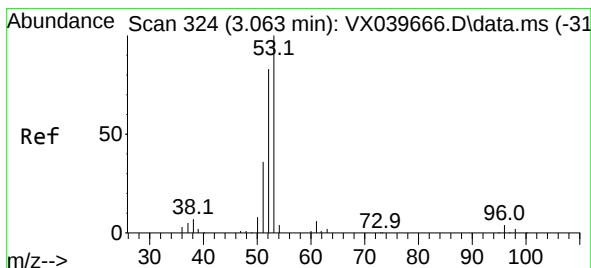
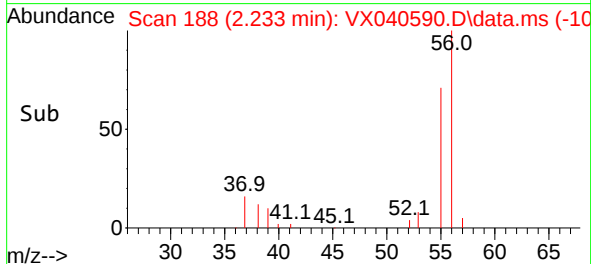
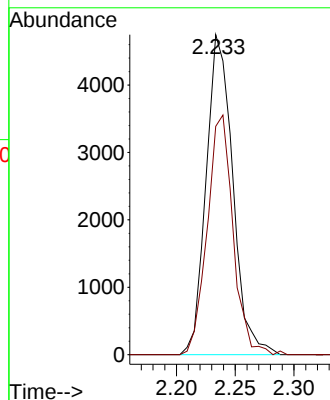
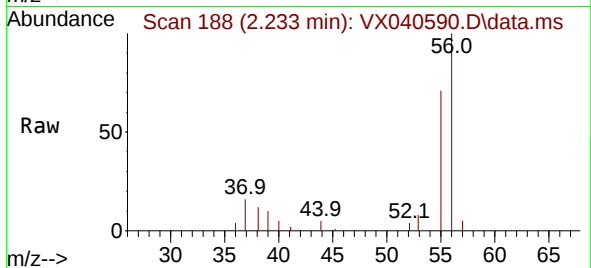
55 71.3 57.2 85.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2024

Supervised By :Mahesh Dadoda 03/06/2024



#14

Acrylonitrile

Concen: 24.846 ug/l

RT: 3.063 min Scan# 324

Delta R.T. -0.001 min

Lab File: VX040590.D

Acq: 05 Mar 2024 15:50

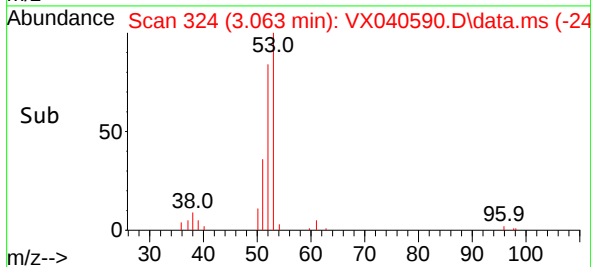
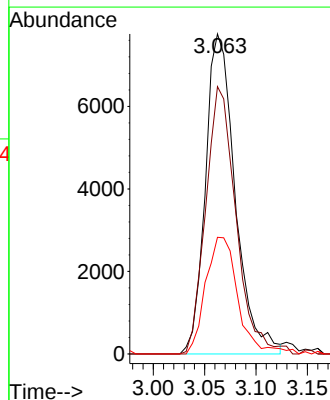
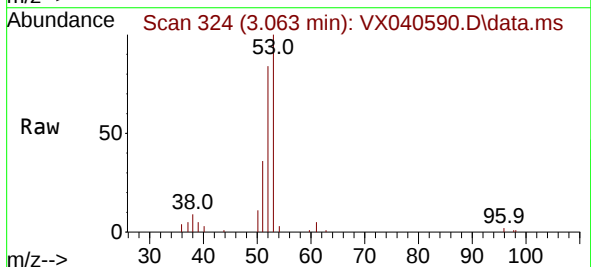
Tgt Ion: 53 Resp: 15614

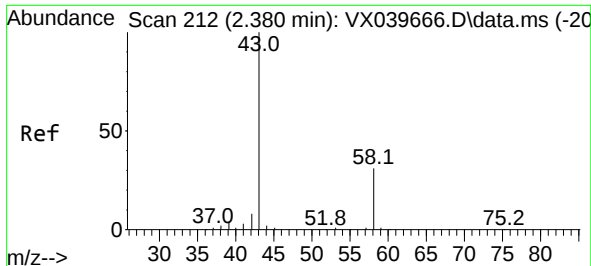
Ion Ratio Lower Upper

53 100

52 84.1 41.9 125.6

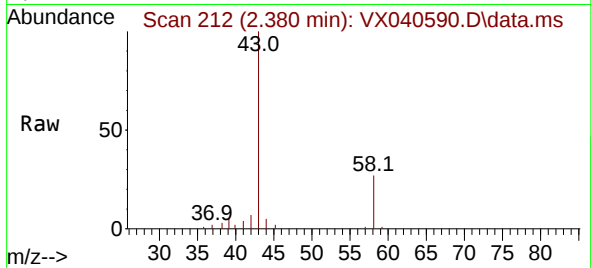
51 38.0 18.3 54.9





#15  
Acetone  
Concen: 25.563 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

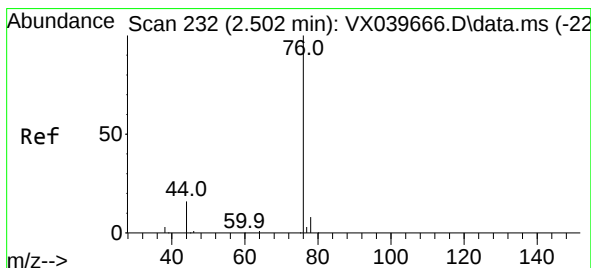
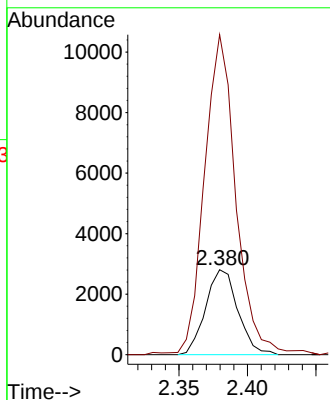
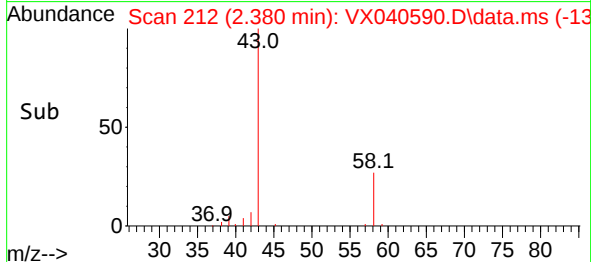
Instrument : MSVOA\_X  
ClientSampleId : LOQ-WATER-02-QT1-2024



Tgt Ion: 58 Resp: 4592  
Ion Ratio Lower Upper  
58 100  
43 374.1 249.9 374.9

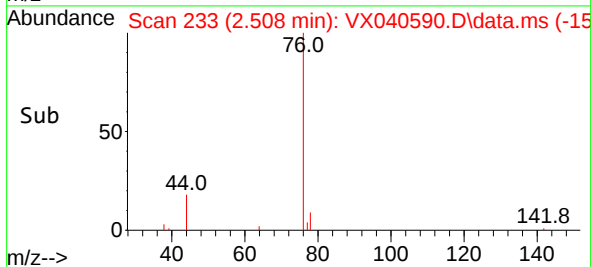
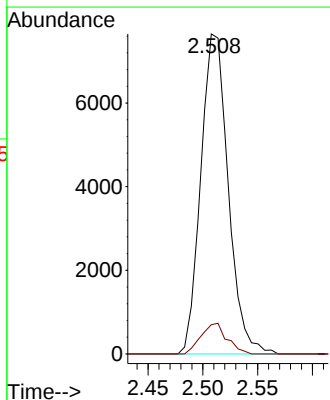
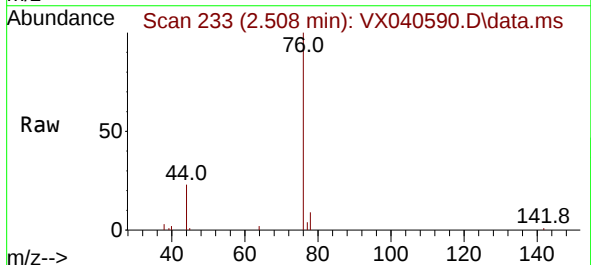
Manual Integrations  
APPROVED

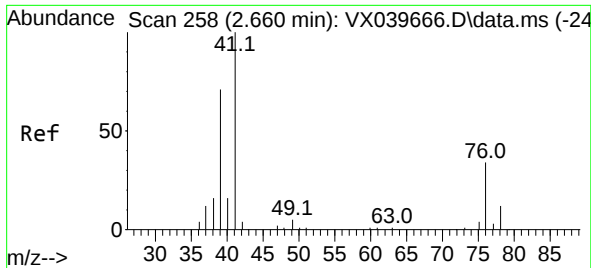
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#16  
Carbon Disulfide  
Concen: 5.001 ug/l  
RT: 2.508 min Scan# 233  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

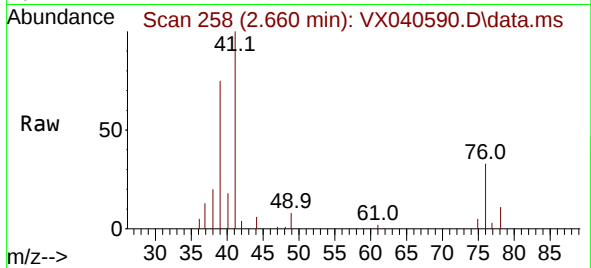
Tgt Ion: 76 Resp: 13316  
Ion Ratio Lower Upper  
76 100  
78 9.1 8.0 12.0





#17  
 Allyl chloride  
 Concen: 5.110 ug/l  
 RT: 2.660 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VX040590.D  
 Acq: 05 Mar 2024 15:50

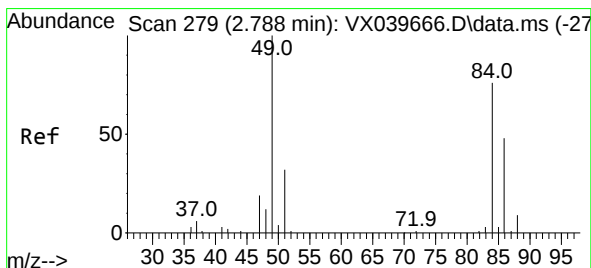
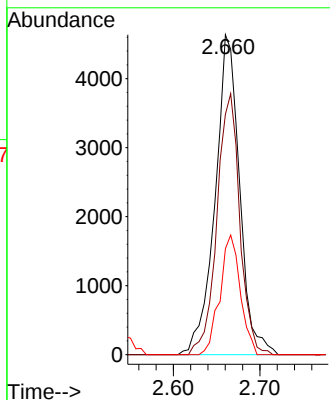
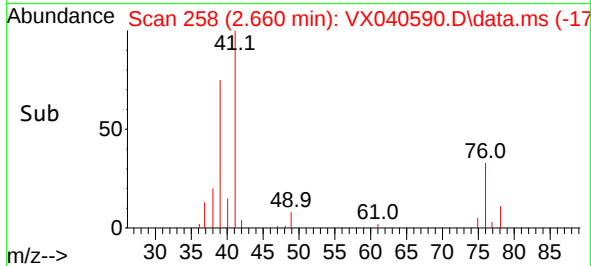
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2024



Tgt Ion: 41 Resp: 9130  
 Ion Ratio Lower Upper  
 41 100  
 39 75.1 36.5 109.5  
 76 33.1 19.7 59.0

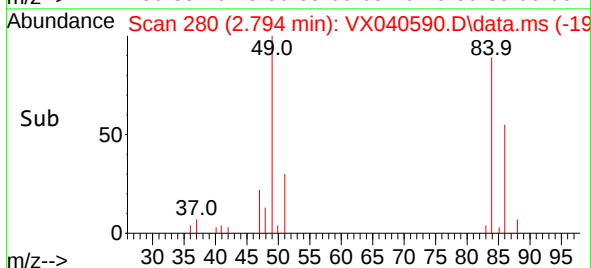
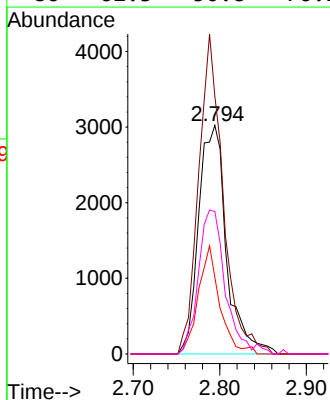
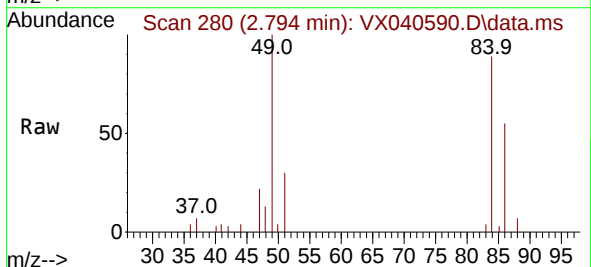
Manual Integrations  
 APPROVED

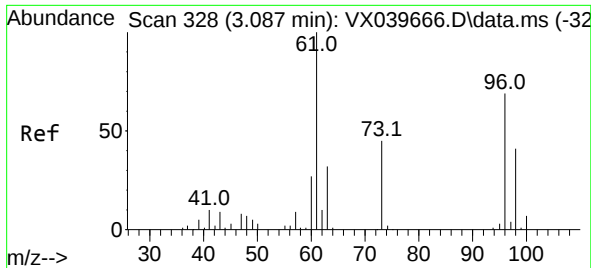
Reviewed By :John Carlone 03/06/2024  
 Supervised By :Mahesh Dadoda 03/06/2024



#18  
 Methylene Chloride  
 Concen: 6.108 ug/l  
 RT: 2.794 min Scan# 280  
 Delta R.T. 0.006 min  
 Lab File: VX040590.D  
 Acq: 05 Mar 2024 15:50

Tgt Ion: 84 Resp: 6756  
 Ion Ratio Lower Upper  
 84 100  
 49 112.9 103.8 155.8  
 51 33.5 31.8 47.6  
 86 62.3 50.8 76.2





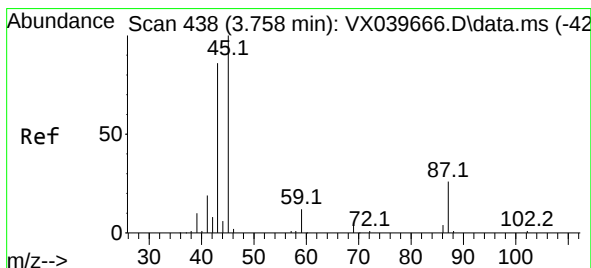
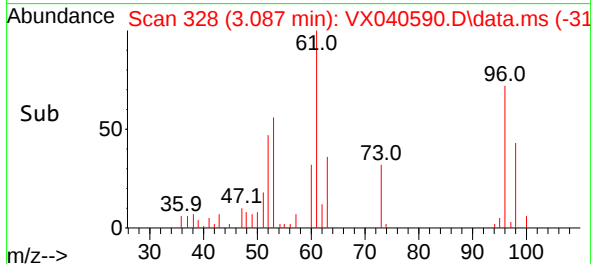
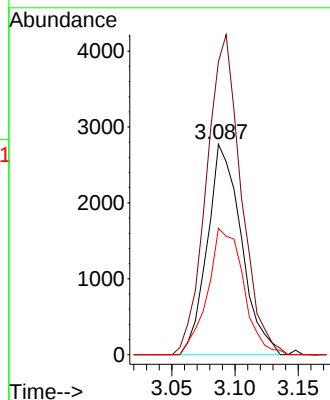
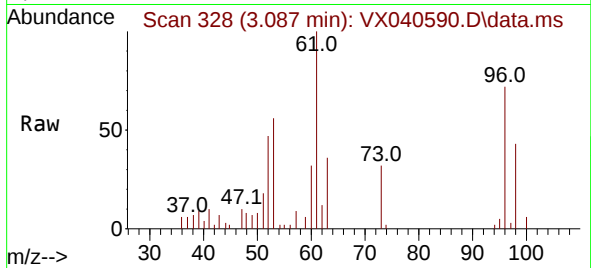
#19  
trans-1,2-Dichloroethene  
Concen: 4.891 ug/l  
RT: 3.087 min Scan# 317  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument : MSVOA\_X  
ClientSampleId : LOQ-WATER-02-QT1-2024

Tgt Ion: 96 Resp: 517  
Ion Ratio Lower Upper  
96 100  
61 136.2 117.9 176.9  
98 60.1 51.0 76.6

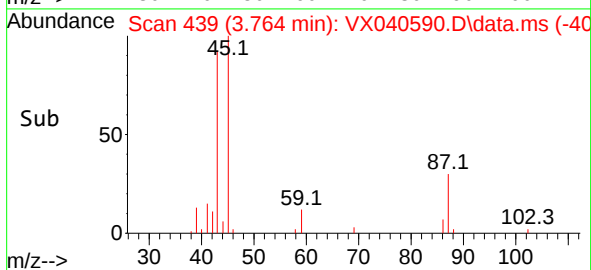
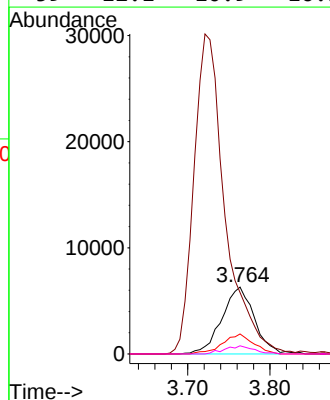
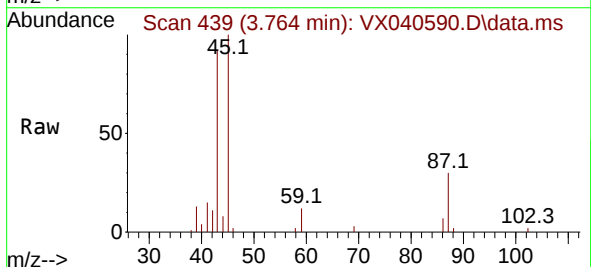
Manual Integrations  
APPROVED

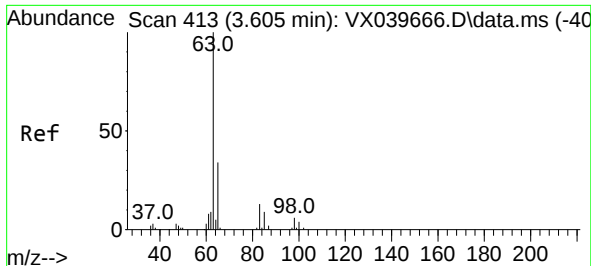
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#20  
Diisopropyl ether  
Concen: 4.798 ug/l  
RT: 3.764 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion: 45 Resp: 17156  
Ion Ratio Lower Upper  
45 100  
43 85.4 67.7 101.5  
87 30.0 21.5 32.3  
59 12.1 10.9 16.3





#21

1,1-Dichloroethane

Concen: 5.056 ug/l

RT: 3.611 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX040590.D

Acq: 05 Mar 2024 15:50

Instrument :

MSVOA\_X

ClientSampleId :

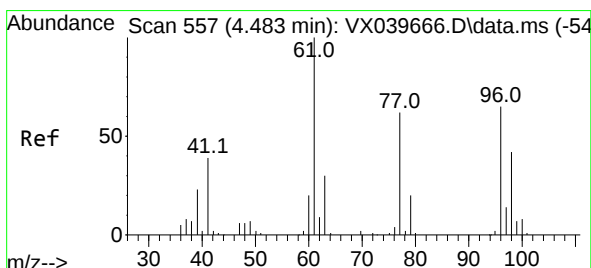
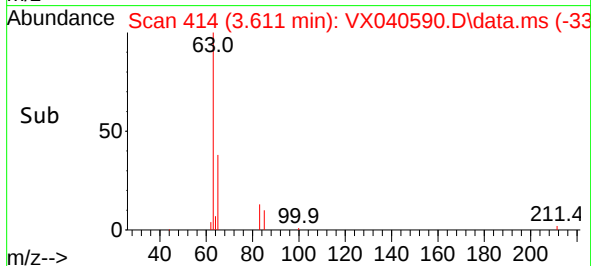
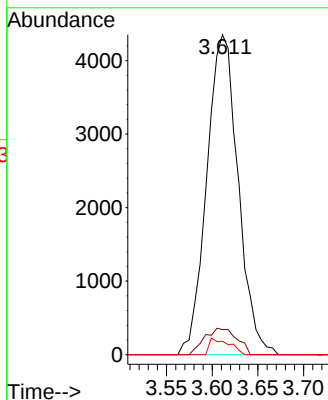
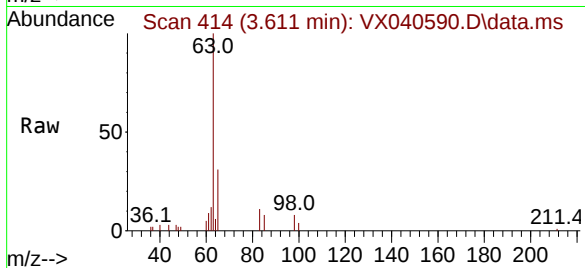
LOQ-WATER-02-QT1-2024

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 1040  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 98 7.9      | 2.9 8.8     |
| 100 4.2     | 2.0 5.8     |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/06/2024

Supervised By :Mahesh Dadoda 03/06/2024



#22

cis-1,2-Dichloroethene

Concen: 5.060 ug/l

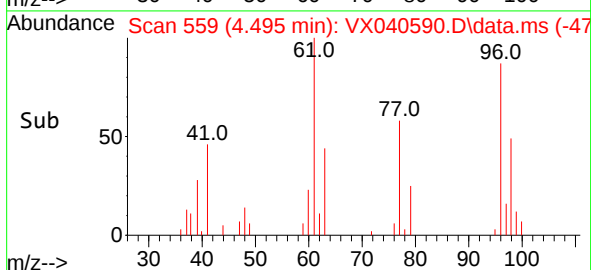
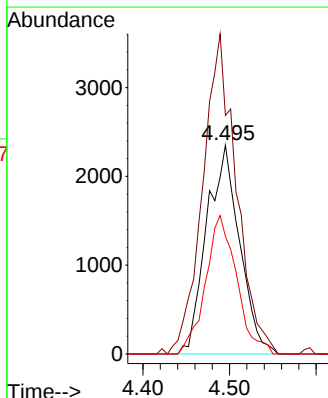
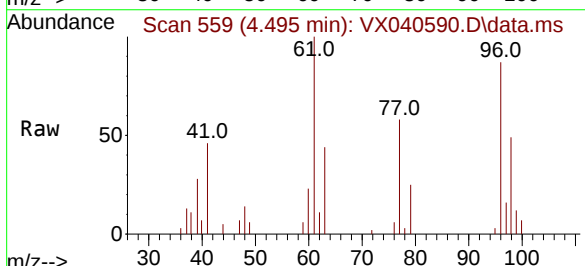
RT: 4.495 min Scan# 559

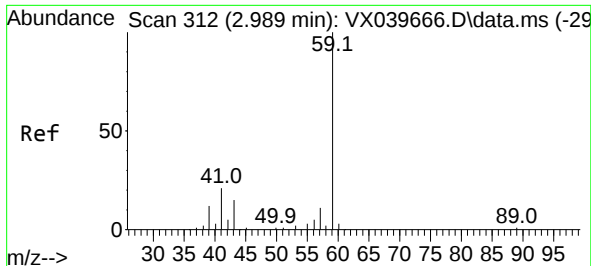
Delta R.T. 0.012 min

Lab File: VX040590.D

Acq: 05 Mar 2024 15:50

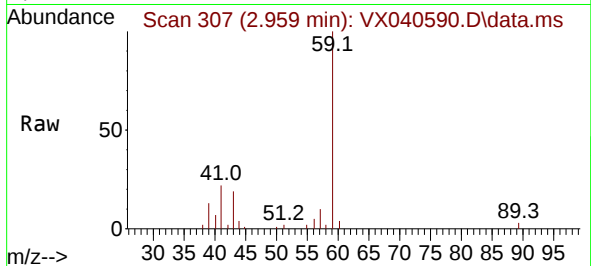
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 6215  |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 155.8    | 119.8 179.6 |
| 98 62.5     | 50.9 76.3   |





#23  
tert-Butyl Alcohol  
Concen: 26.189 ug/l  
RT: 2.959 min Scan# 307  
Delta R.T. -0.030 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

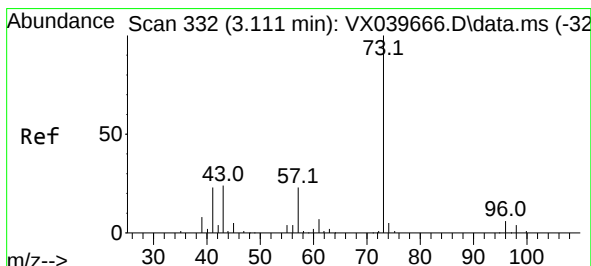
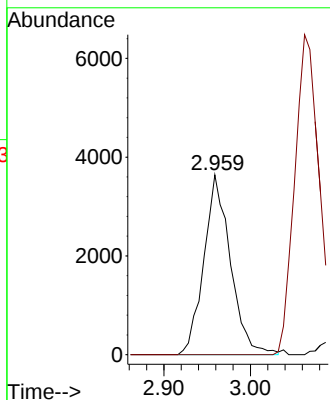
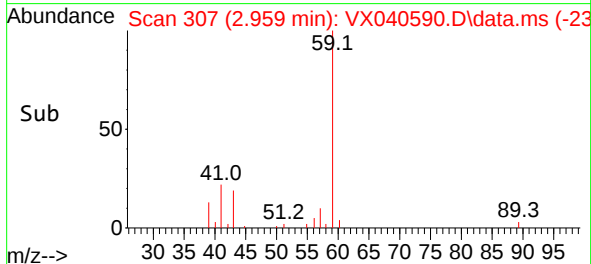
Instrument : MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



Tgt Ion: 59 Resp: 7770  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

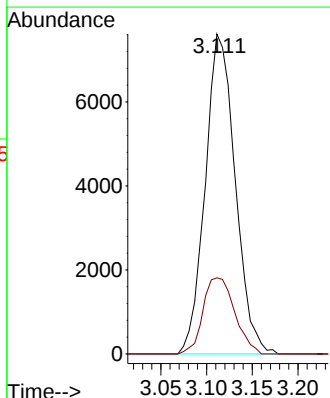
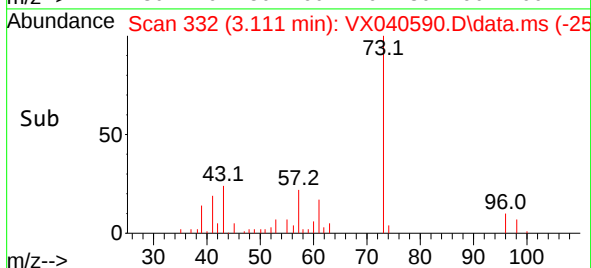
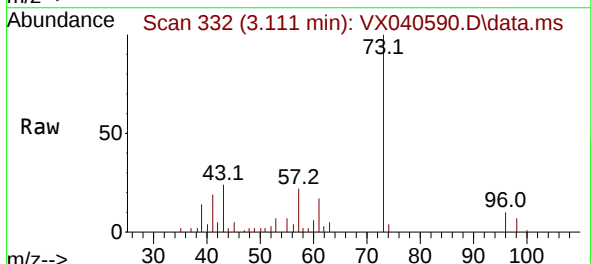
Manual Integrations  
APPROVED

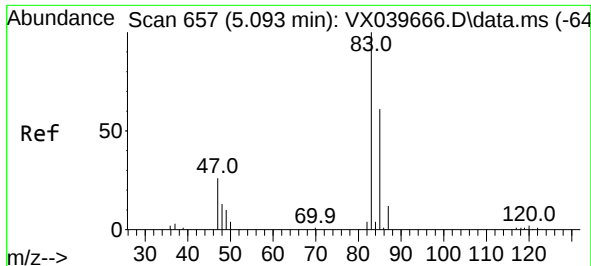
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#24  
Methyl tert-Butyl Ether  
Concen: 4.866 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. 0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion: 73 Resp: 17398  
Ion Ratio Lower Upper  
73 100  
43 25.1 17.0 25.6





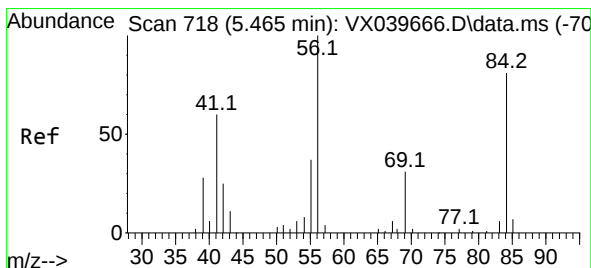
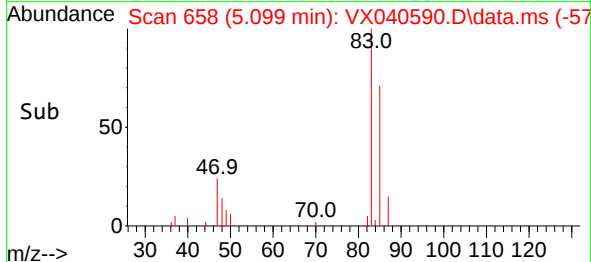
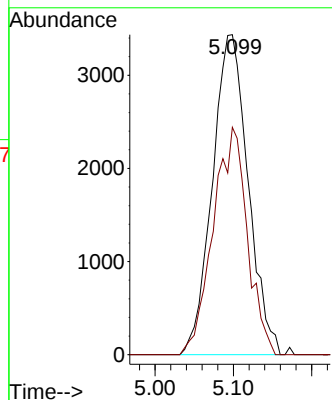
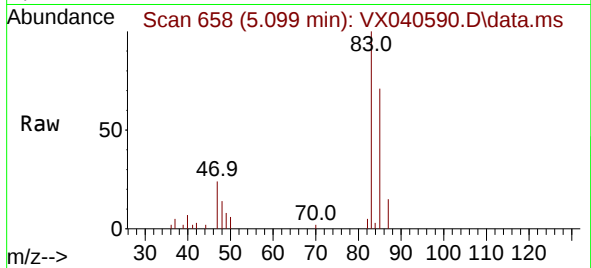
#25  
Chloroform  
Concen: 4.844 ug/l  
RT: 5.099 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion: 83 Resp: 10908  
Ion Ratio Lower Upper  
83 100  
85 71.1 54.6 81.8

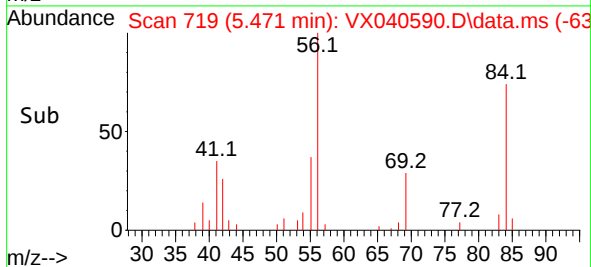
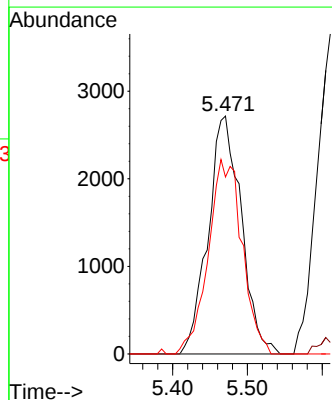
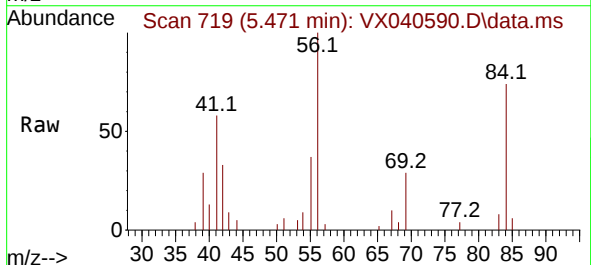
Manual Integrations  
APPROVED

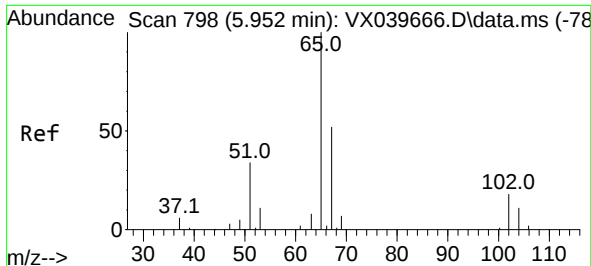
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#26  
Cyclohexane  
Concen: 5.046 ug/l  
RT: 5.471 min Scan# 719  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion: 56 Resp: 8379  
Ion Ratio Lower Upper  
56 100  
89 0.8 0.0 0.0#  
84 46.2 67.2 100.8#





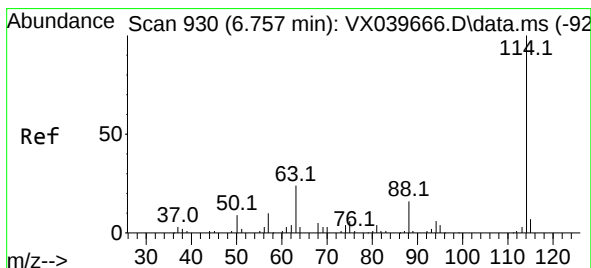
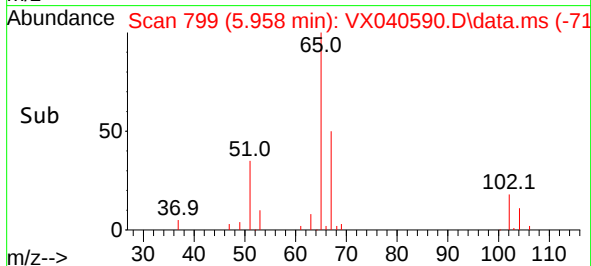
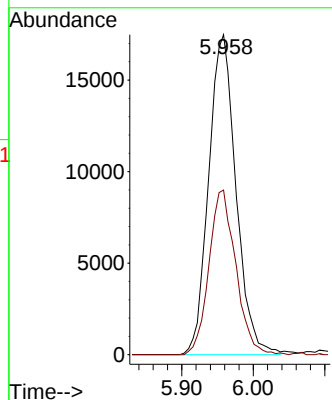
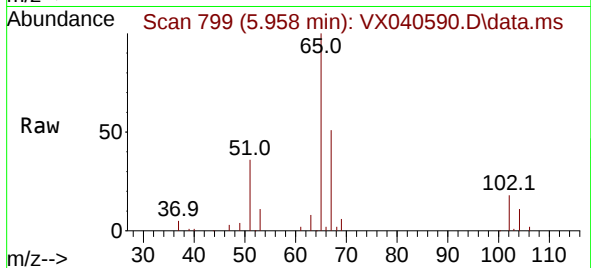
#27  
1,2-Dichloroethane-d4  
Concen: 28.588 ug/l  
RT: 5.958 min Scan# 798  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion: 65 Resp: 46388  
Ion Ratio Lower Upper  
65 100  
67 50.4 42.5 63.7

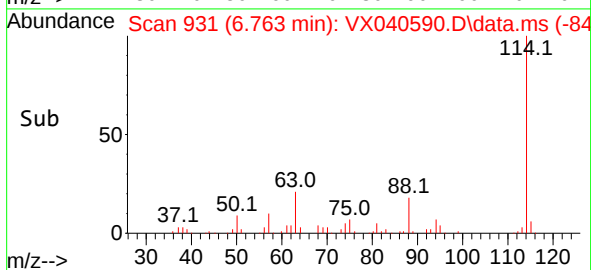
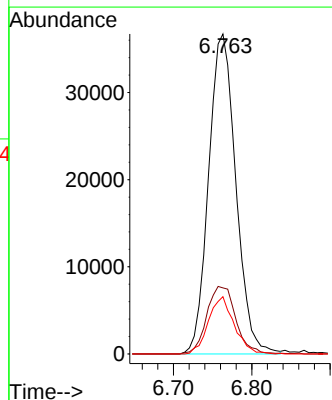
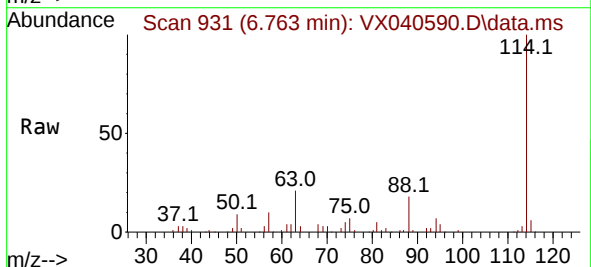
Manual Integrations  
APPROVED

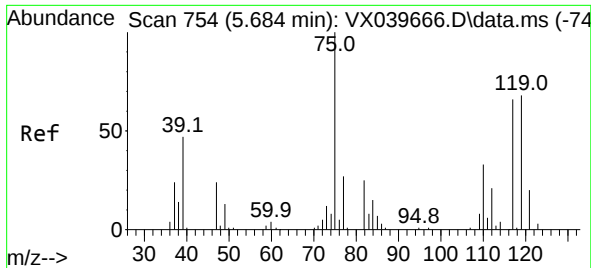
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion:114 Resp: 88766  
Ion Ratio Lower Upper  
114 100  
63 22.5 17.0 25.4  
88 16.7 12.7 19.1





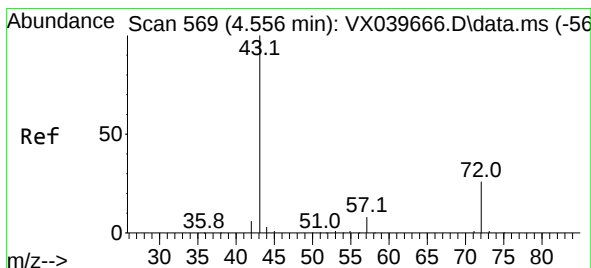
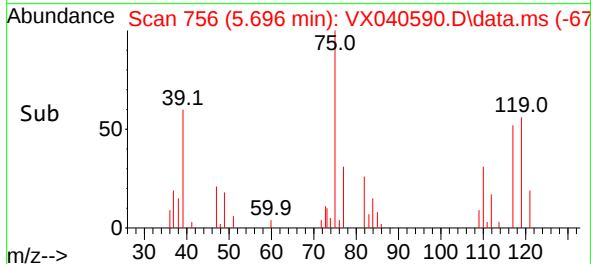
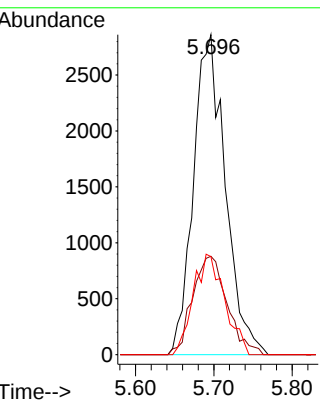
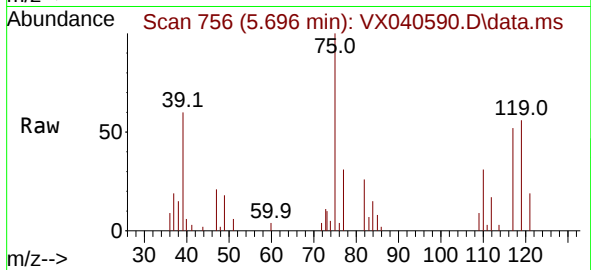
#29  
1,1-Dichloropropene  
Concen: 5.264 ug/l  
RT: 5.696 min Scan# 754  
Delta R.T. 0.012 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 808   |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 33.4    | 0.0 71.2    |
| 77 29.4     | 0.0 62.6    |

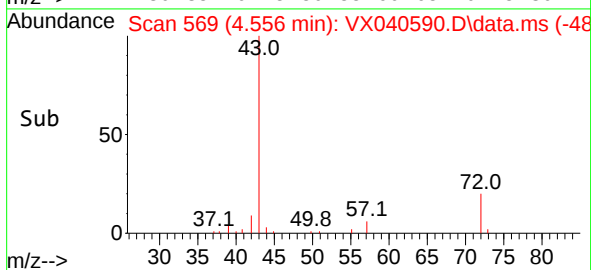
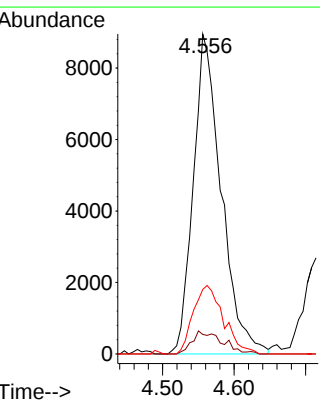
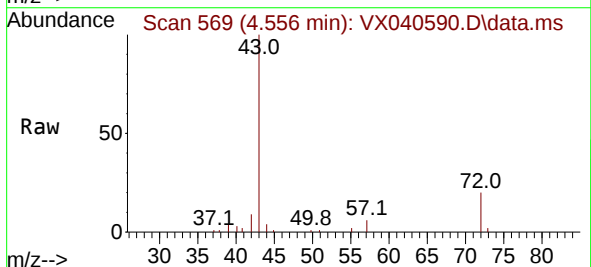
Manual Integrations  
APPROVED

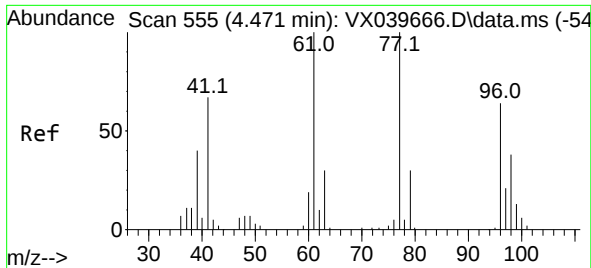
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#30  
2-Butanone  
Concen: 25.825 ug/l  
RT: 4.556 min Scan# 569  
Delta R.T. 0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 24213 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 57 3.9      | 6.6 10.0#   |
| 72 23.2     | 20.6 31.0   |





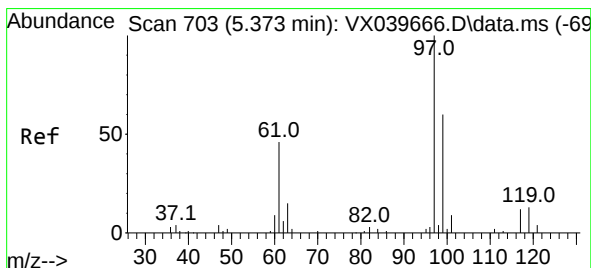
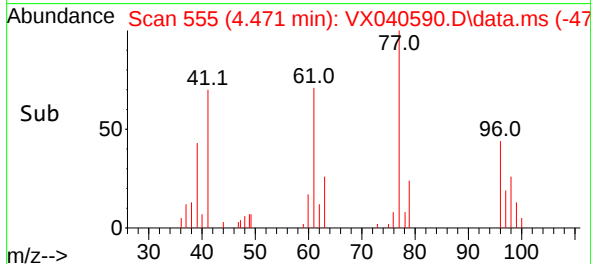
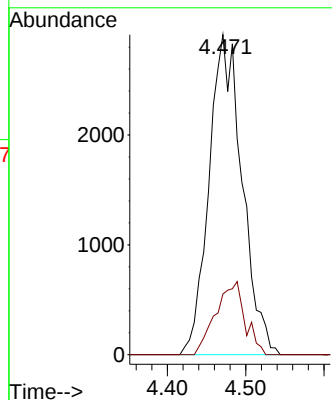
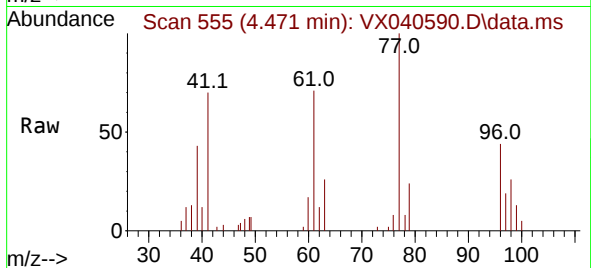
#31  
2,2-Dichloropropane  
Concen: 5.162 ug/l  
RT: 4.471 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion: 77 Resp: 856  
Ion Ratio Lower Upper  
77 100  
97 20.1 18.2 27.4

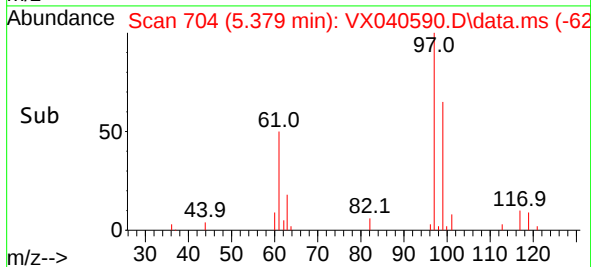
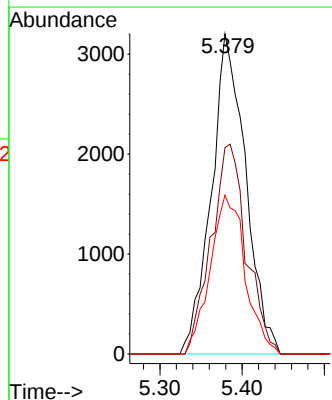
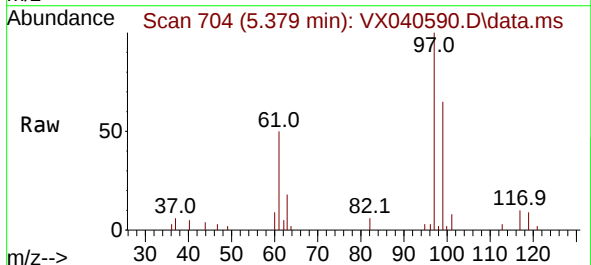
Manual Integrations  
APPROVED

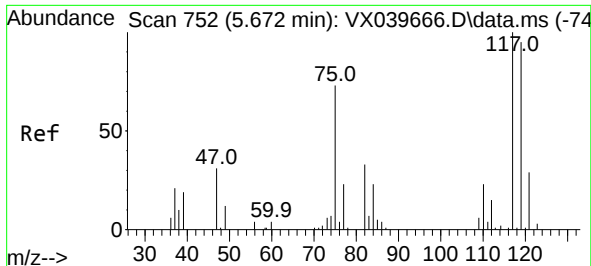
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#32  
1,1,1-Trichloroethane  
Concen: 4.800 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

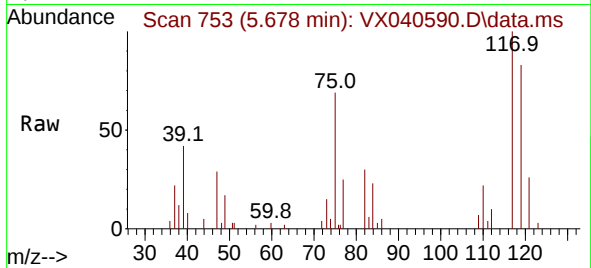
Tgt Ion: 97 Resp: 9293  
Ion Ratio Lower Upper  
97 100  
99 60.4 52.6 79.0  
61 50.6 36.9 55.3





#33  
Carbon Tetrachloride  
Concen: 4.740 ug/l  
RT: 5.678 min Scan# 752  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

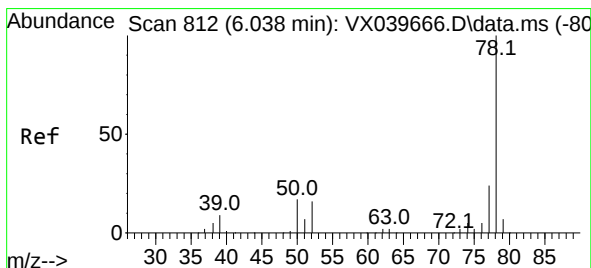
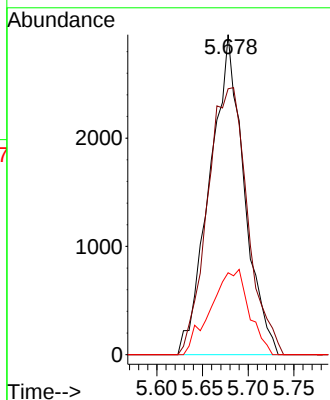
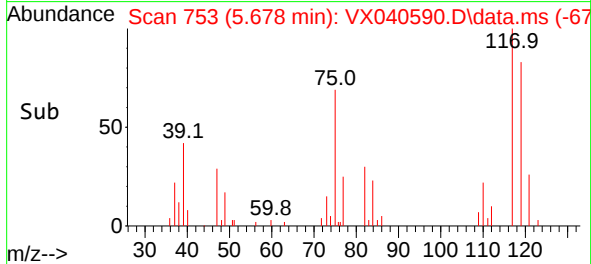
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



Tgt Ion:117 Resp: 772  
Ion Ratio Lower Upper  
117 100  
119 83.1 78.2 117.4  
121 25.6 24.7 37.1

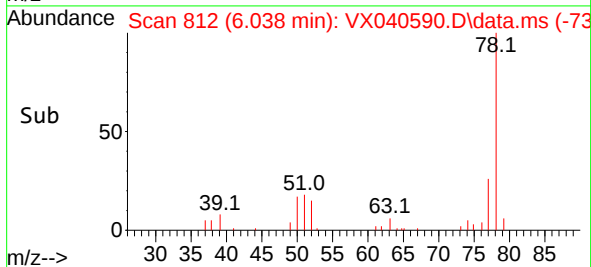
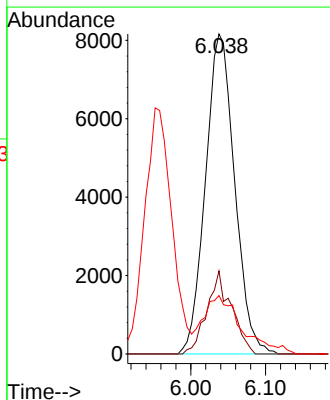
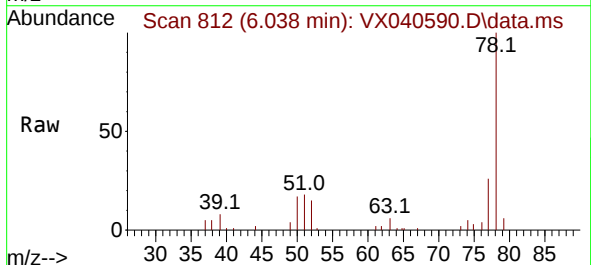
Manual Integrations  
APPROVED

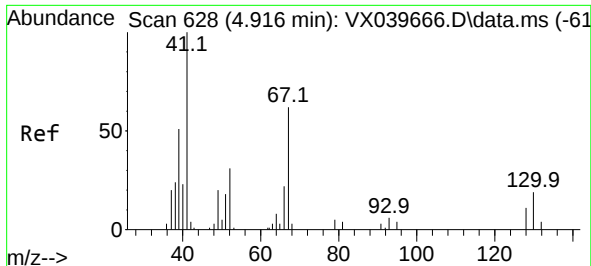
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#34  
Benzene  
Concen: 5.345 ug/l  
RT: 6.038 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

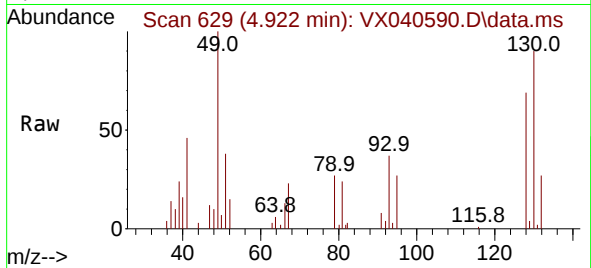
Tgt Ion: 78 Resp: 22169  
Ion Ratio Lower Upper  
78 100  
77 26.0 19.3 28.9  
51 16.3 14.4 21.6





#35  
Methacrylonitrile  
Concen: 5.569 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

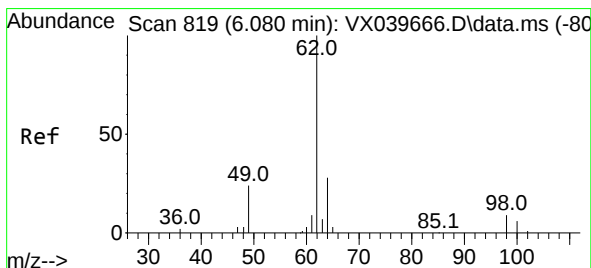
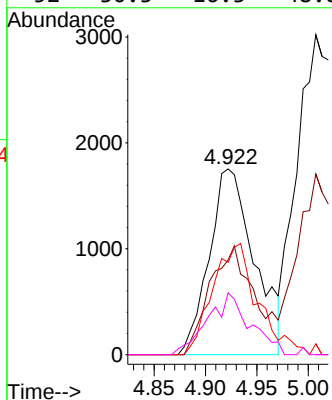
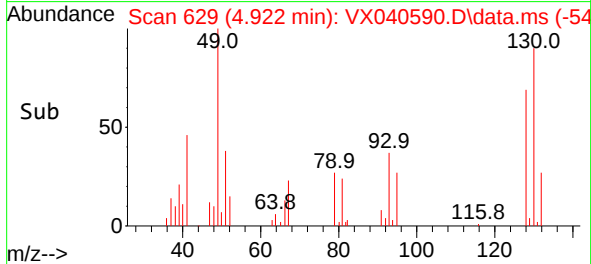
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



Tgt Ion: 41 Resp: 5360  
Ion Ratio Lower Upper  
41 100  
39 51.0 28.2 84.7  
67 49.7 34.5 103.5  
52 30.3 16.3 48.8

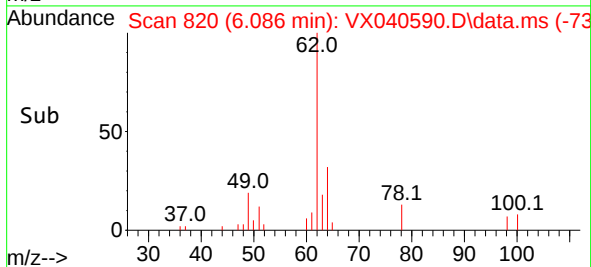
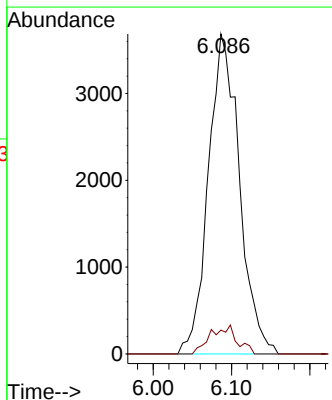
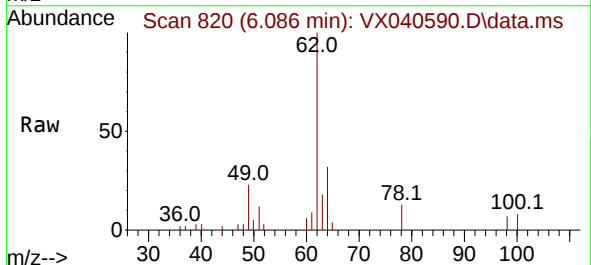
Manual Integrations  
APPROVED

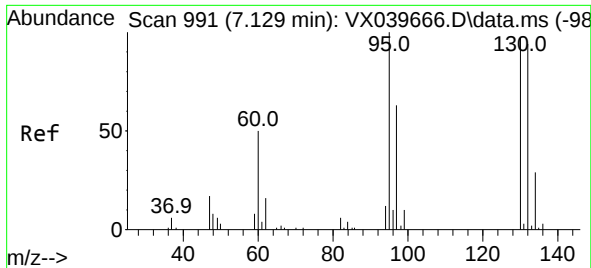
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#36  
1,2-Dichloroethane  
Concen: 5.287 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

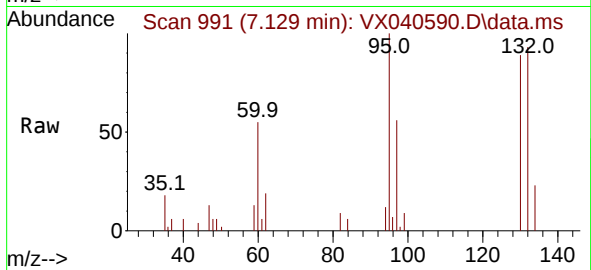
Tgt Ion: 62 Resp: 10140  
Ion Ratio Lower Upper  
62 100  
98 2.9 7.0 10.4#





#37  
Trichloroethene  
Concen: 5.487 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

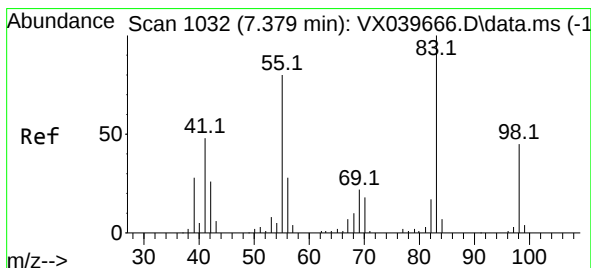
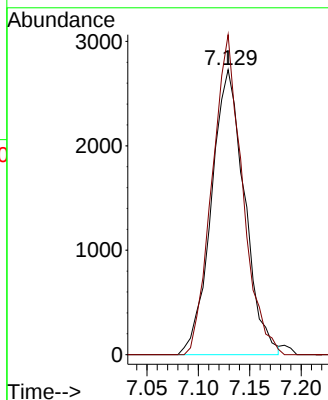
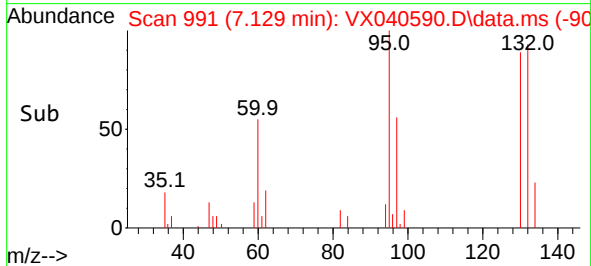
Instrument : MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



Tgt Ion:130 Resp: 6110  
Ion Ratio Lower Upper  
130 100  
95 112.3 85.8 128.8

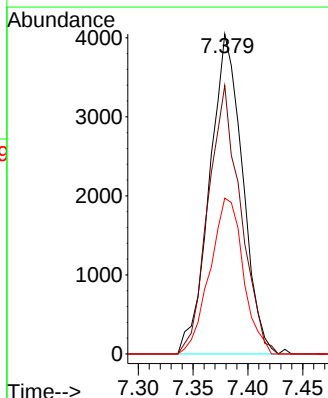
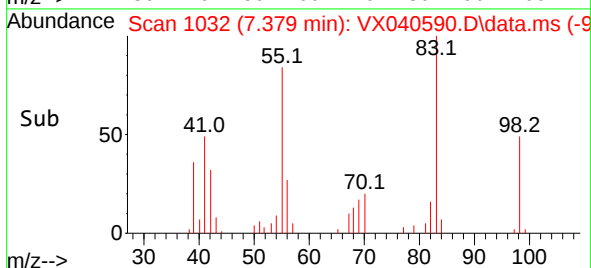
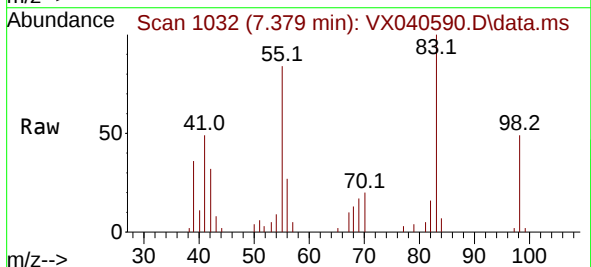
Manual Integrations  
APPROVED

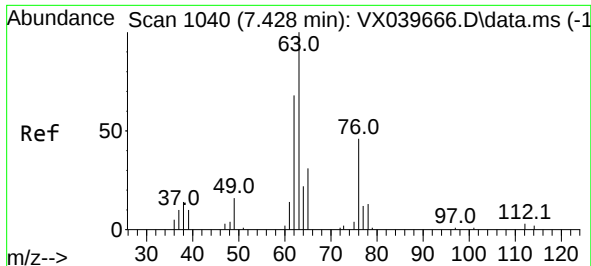
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#38  
Methylcyclohexane  
Concen: 5.088 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion: 83 Resp: 8418  
Ion Ratio Lower Upper  
83 100  
55 82.6 38.6 116.0  
98 49.6 22.3 66.8





#39

1,2-Dichloropropane

Concen: 5.178 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VX040590.D

Acq: 05 Mar 2024 15:50

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT1-2024

Tgt Ion: 63 Resp: 546

Ion Ratio Lower Upper

63 100

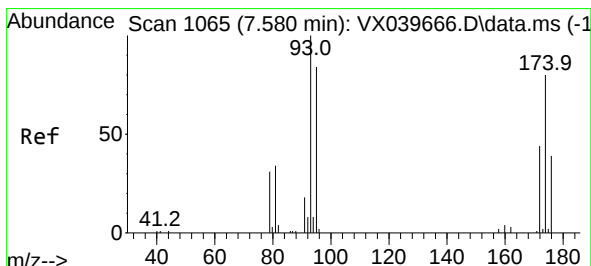
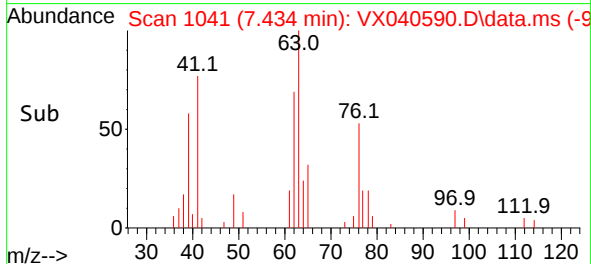
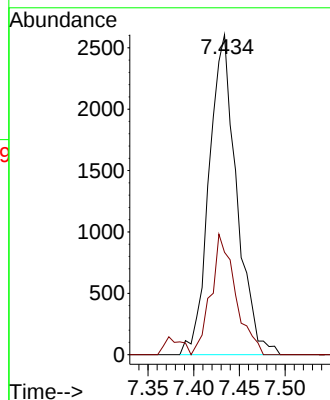
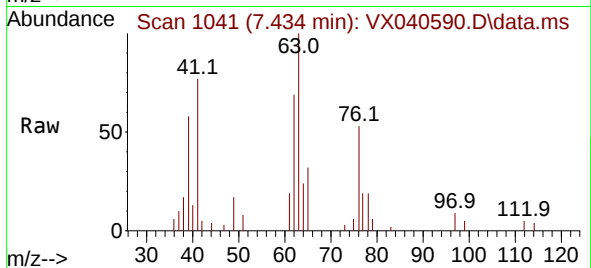
65 32.0 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2024

Supervised By :Mahesh Dadoda 03/06/2024



#40

Dibromomethane

Concen: 5.842 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX040590.D

Acq: 05 Mar 2024 15:50

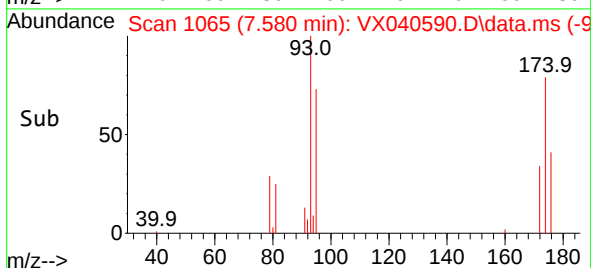
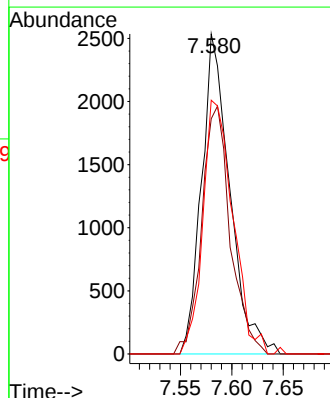
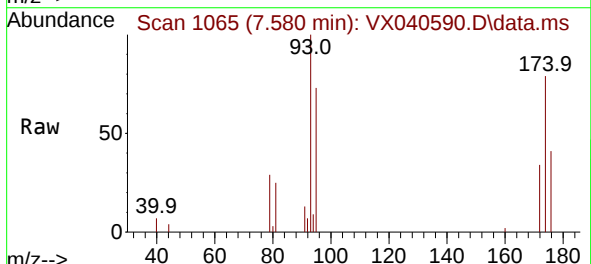
Tgt Ion: 93 Resp: 4847

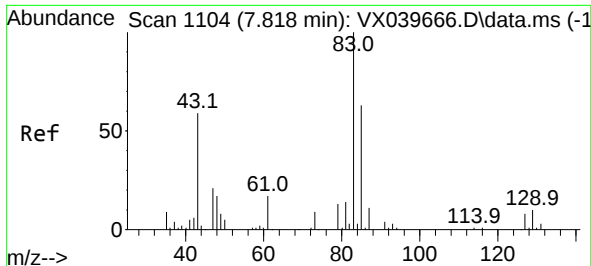
Ion Ratio Lower Upper

93 100

95 78.2 0.0 163.4

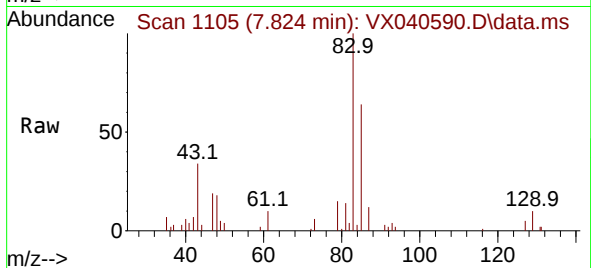
174 83.0 0.0 166.4





#41  
Bromodichloromethane  
Concen: 5.044 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

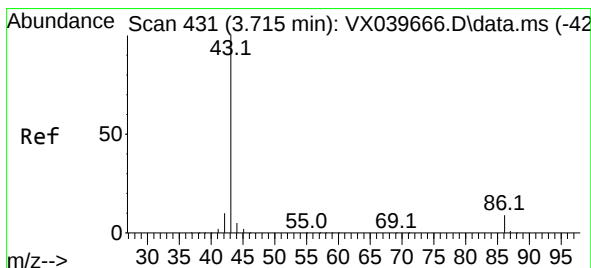
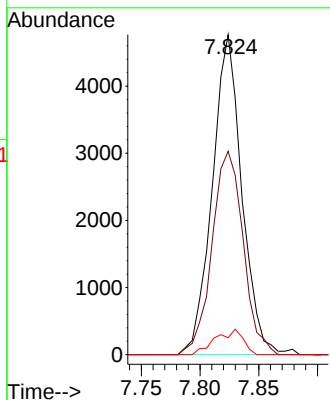
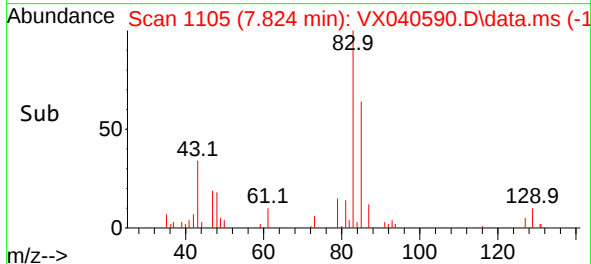
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



Tgt Ion: 83 Resp: 832  
Ion Ratio Lower Upper  
83 100  
85 63.5 50.8 76.2  
127 5.3 5.9 8.9

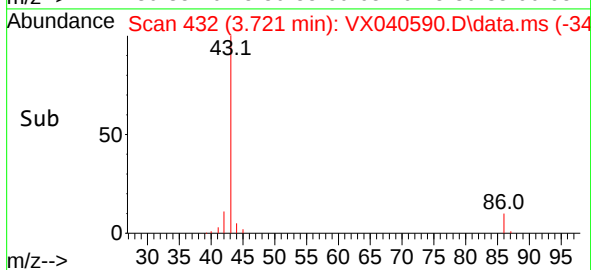
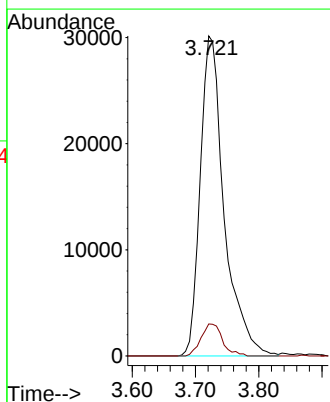
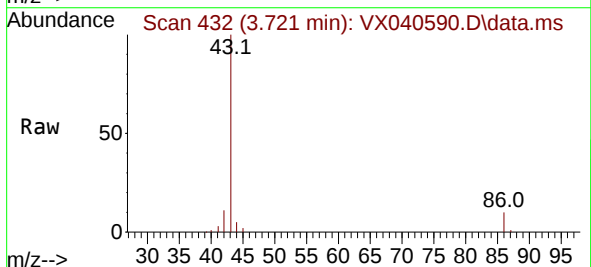
Manual Integrations  
APPROVED

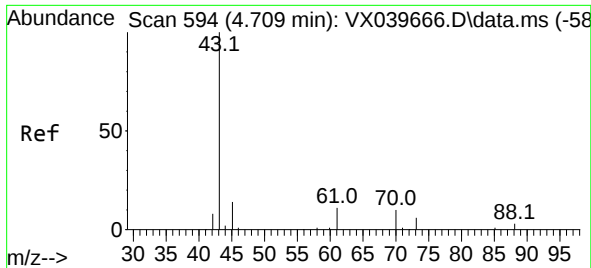
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#42  
Vinyl Acetate  
Concen: 24.572 ug/l  
RT: 3.721 min Scan# 432  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion: 43 Resp: 79322  
Ion Ratio Lower Upper  
43 100  
86 9.0 6.7 10.1





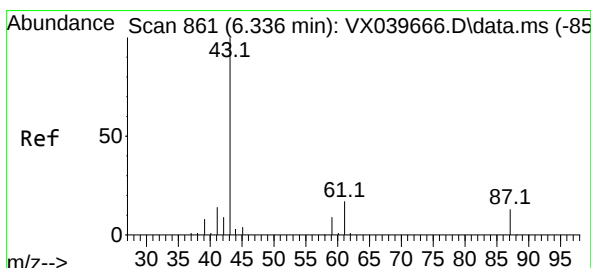
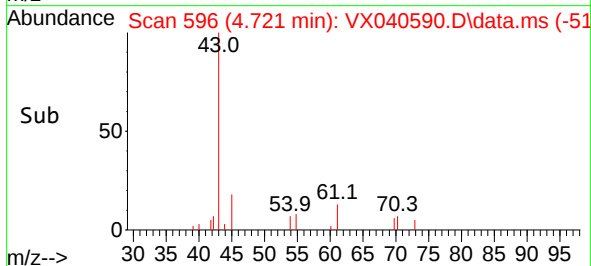
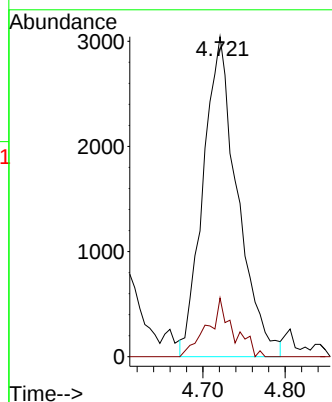
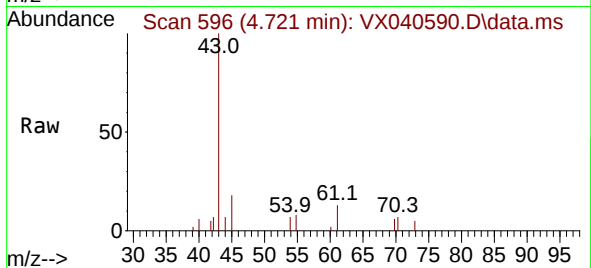
#43  
Ethyl Acetate  
Concen: 4.990 ug/l  
RT: 4.721 min Scan# 596  
Delta R.T. 0.012 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument : MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion: 43 Resp: 8812  
Ion Ratio Lower Upper  
43 100  
45 5.7 11.8 17.8

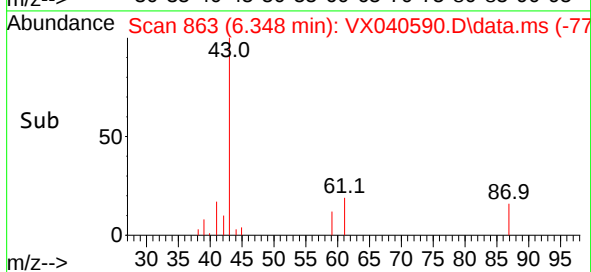
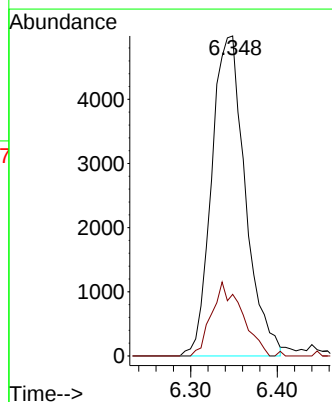
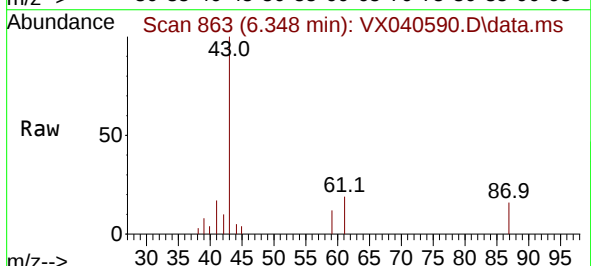
Manual Integrations  
APPROVED

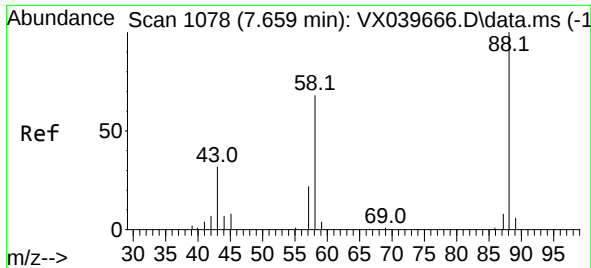
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#44  
Isopropyl Acetate  
Concen: 4.773 ug/l  
RT: 6.348 min Scan# 863  
Delta R.T. 0.012 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

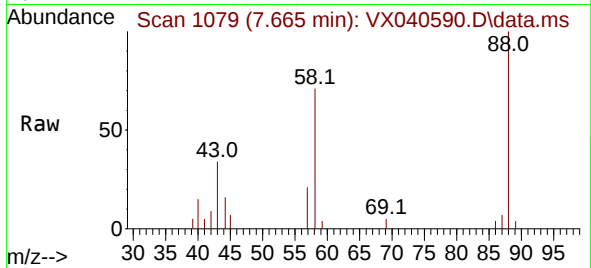
Tgt Ion: 43 Resp: 13454  
Ion Ratio Lower Upper  
43 100  
61 11.4 15.6 23.4





#45  
1,4-Dioxane  
Concen: 92.292 ug/l  
RT: 7.665 min Scan# 1078  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

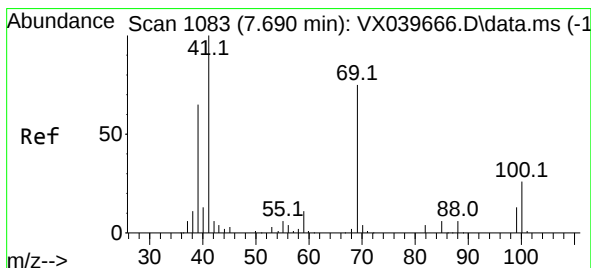
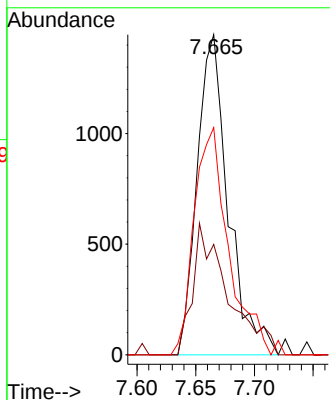
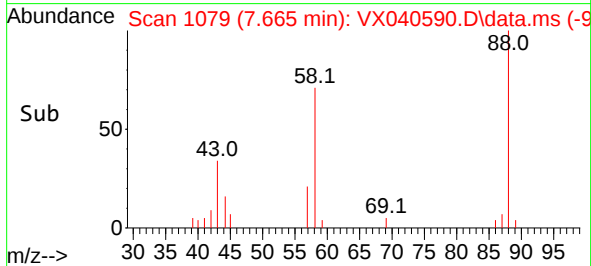
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



Tgt Ion: 88 Resp: 2674  
Ion Ratio Lower Upper  
88 100  
43 43.5 28.1 42.1  
58 78.1 57.7 86.5

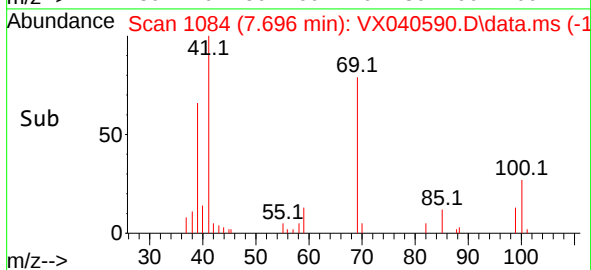
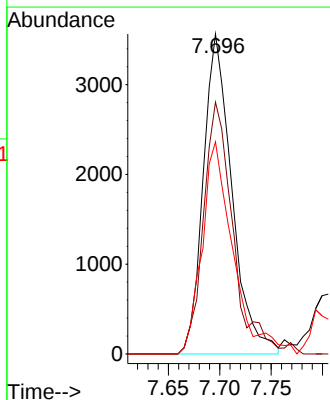
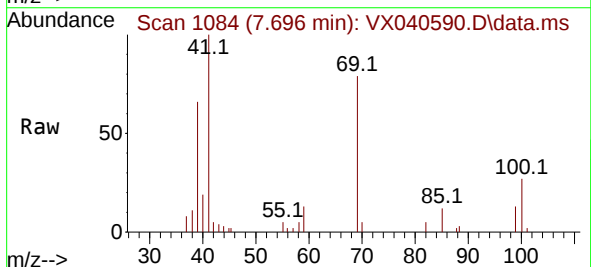
Manual Integrations  
APPROVED

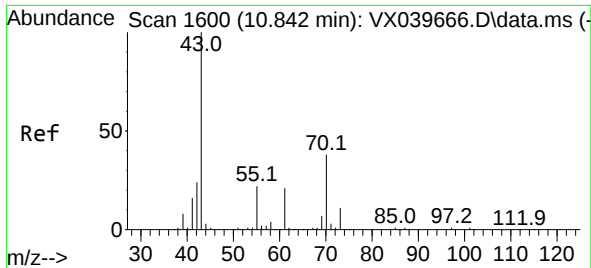
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#46  
Methyl methacrylate  
Concen: 4.934 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

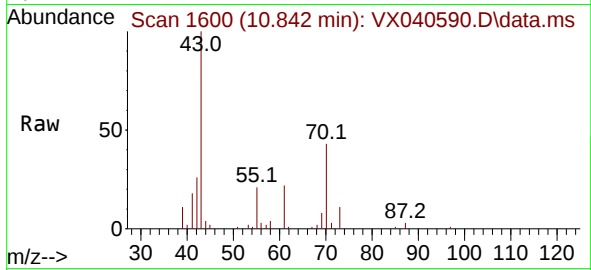
Tgt Ion: 41 Resp: 6908  
Ion Ratio Lower Upper  
41 100  
69 78.7 39.6 118.8  
39 66.3 30.1 90.3





#47  
n-amy1 Acetate  
Concen: 4.101 ug/l  
RT: 10.842 min Scan# 1100  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

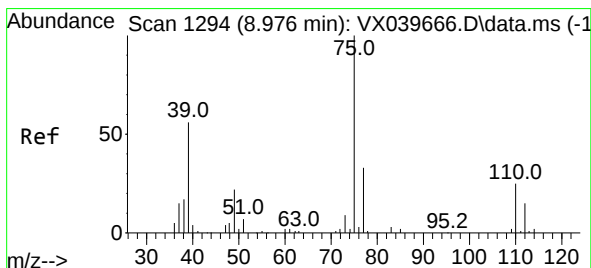
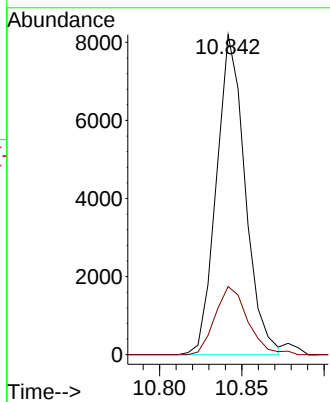
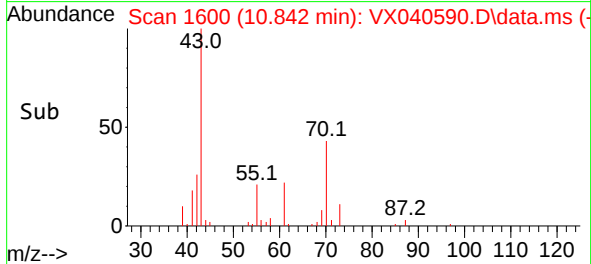
Instrument : MSVOA\_X  
ClientSampleId : LOQ-WATER-02-QT1-2024



Tgt Ion: 43 Resp: 996  
Ion Ratio Lower Upper  
43 100  
55 23.9 18.2 27.2

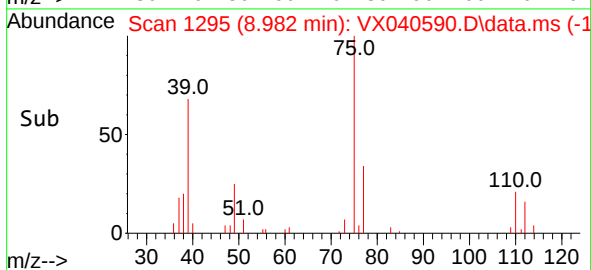
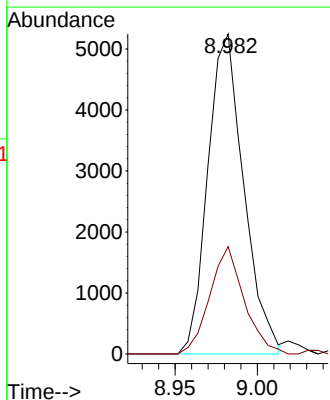
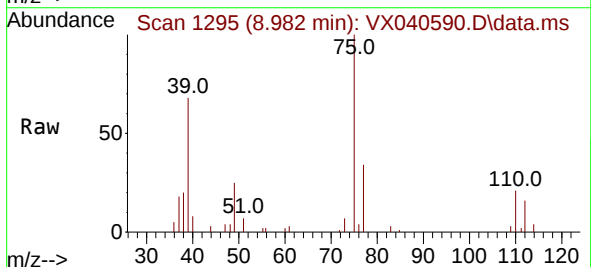
Manual Integrations  
APPROVED

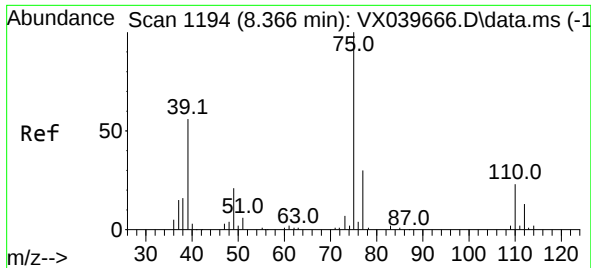
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#48  
t-1,3-Dichloropropene  
Concen: 4.568 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

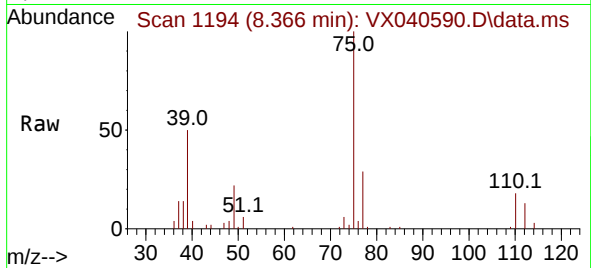
Tgt Ion: 75 Resp: 7969  
Ion Ratio Lower Upper  
75 100  
77 33.6 26.8 40.2





#49  
 cis-1,3-Dichloropropene  
 Concen: 4.928 ug/l  
 RT: 8.366 min Scan# 1194  
 Delta R.T. 0.000 min  
 Lab File: VX040590.D  
 Acq: 05 Mar 2024 15:50

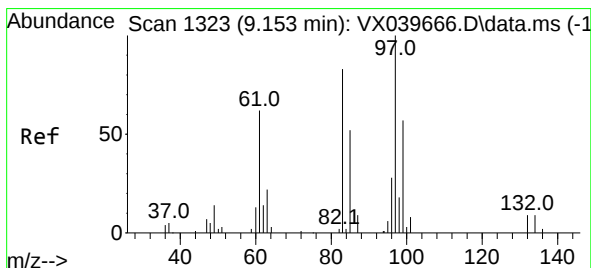
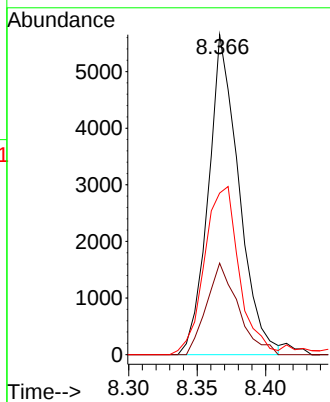
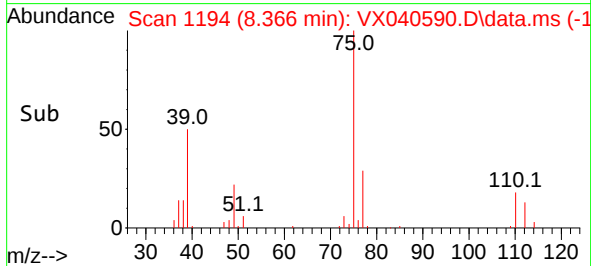
Instrument : MSVOA\_X  
 ClientSampleId : LOQ-WATER-02-QT1-2024



Tgt Ion: 75 Resp: 8758  
 Ion Ratio Lower Upper  
 75 100  
 77 28.6 24.4 36.6  
 39 49.2 40.6 60.8

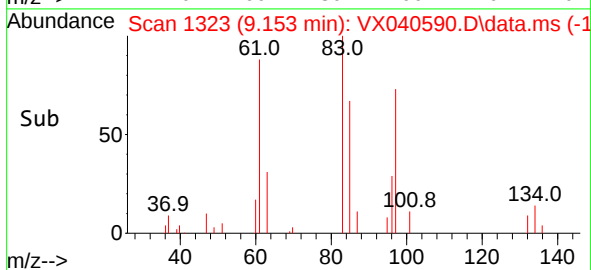
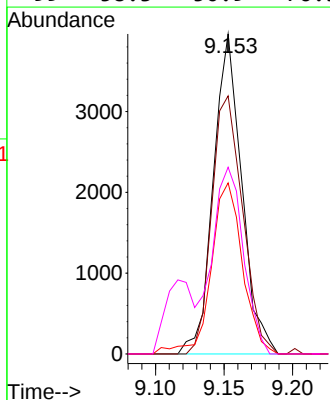
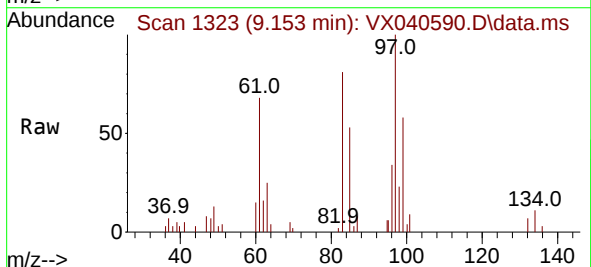
Manual Integrations  
 APPROVED

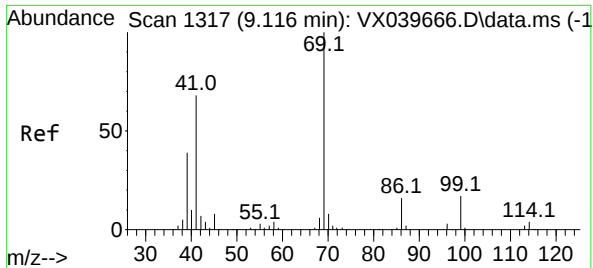
Reviewed By :John Carlone 03/06/2024  
 Supervised By :Mahesh Dadoda 03/06/2024



#50  
 1,1,2-Trichloroethane  
 Concen: 5.168 ug/l  
 RT: 9.153 min Scan# 1323  
 Delta R.T. -0.000 min  
 Lab File: VX040590.D  
 Acq: 05 Mar 2024 15:50

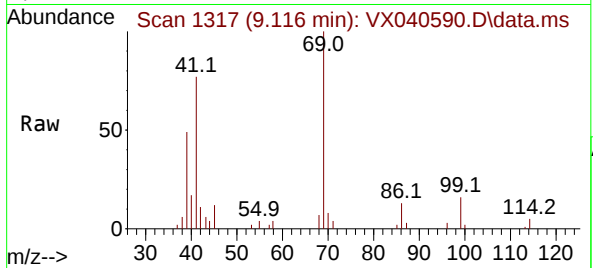
Tgt Ion: 97 Resp: 5695  
 Ion Ratio Lower Upper  
 97 100  
 83 80.6 69.0 103.6  
 85 53.4 46.3 69.5  
 99 58.3 50.9 76.3





#51  
Ethyl methacrylate  
Concen: 4.750 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

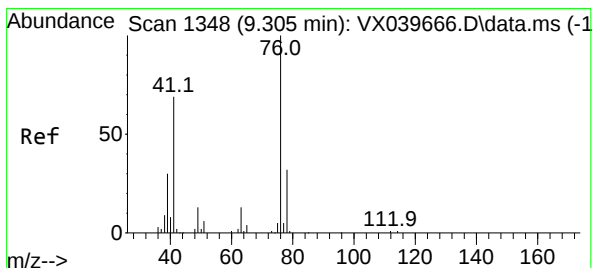
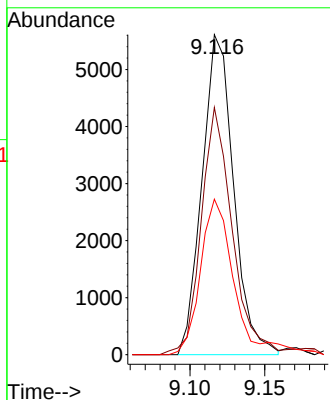
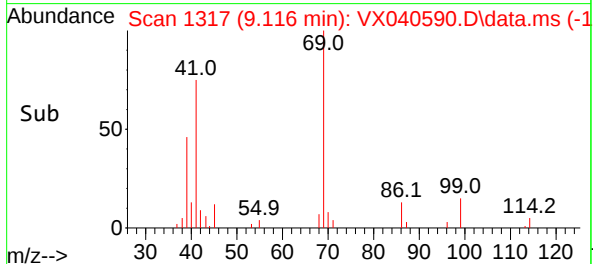
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



Tgt Ion: 69 Resp: 824  
Ion Ratio Lower Upper  
69 100  
41 75.9 36.2 108.6  
39 47.6 21.1 63.4

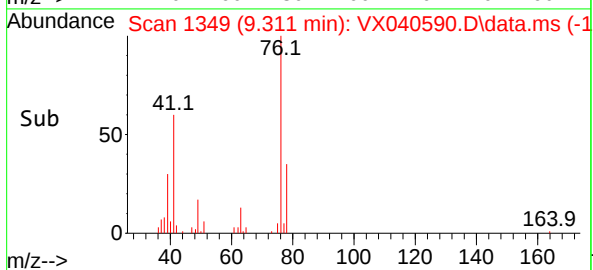
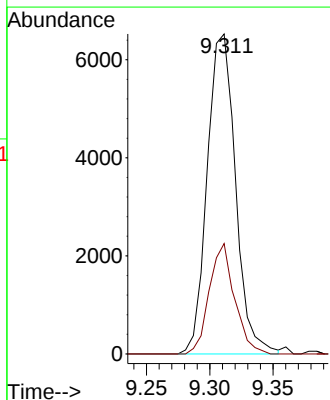
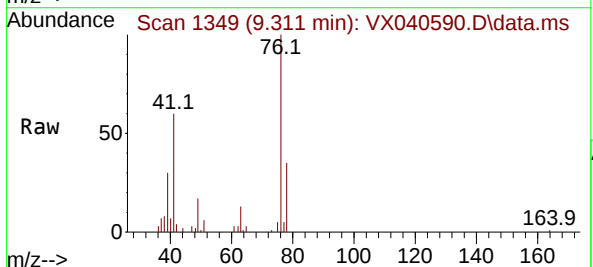
Manual Integrations  
APPROVED

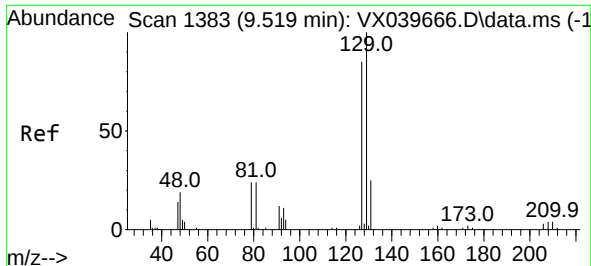
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#52  
1,3-Dichloropropane  
Concen: 5.403 ug/l  
RT: 9.311 min Scan# 1349  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

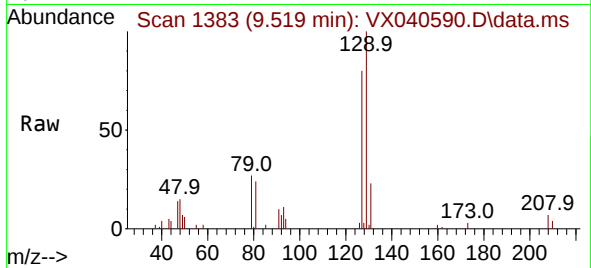
Tgt Ion: 76 Resp: 10160  
Ion Ratio Lower Upper  
76 100  
78 30.7 0.0 65.0





#53  
Dibromochloromethane  
Concen: 4.536 ug/l  
RT: 9.519 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

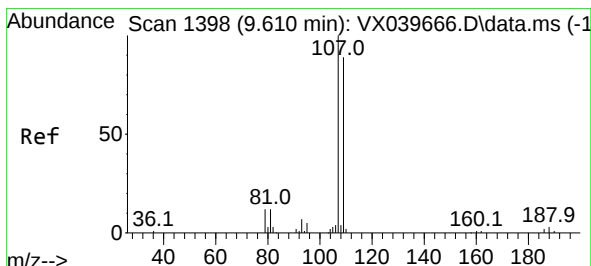
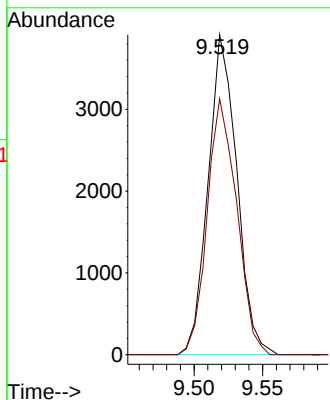
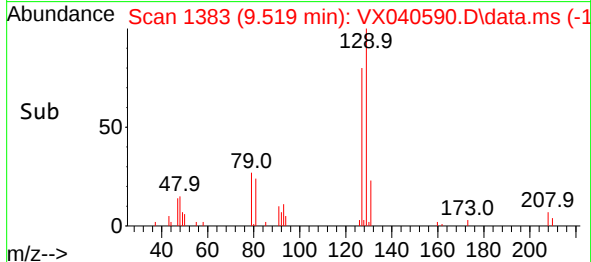
Instrument : MSVOA\_X  
ClientSampleId : LOQ-WATER-02-QT1-2024



Tgt Ion:129 Resp: 569  
Ion Ratio Lower Upper  
129 100  
127 82.2 38.3 114.9

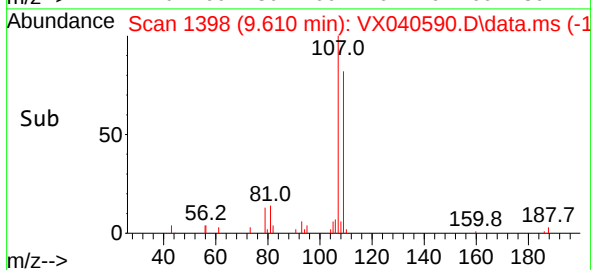
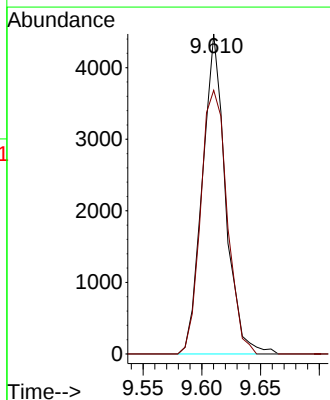
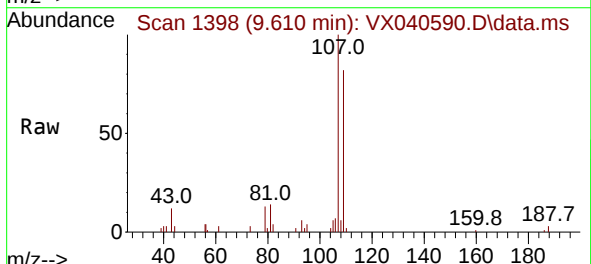
Manual Integrations  
APPROVED

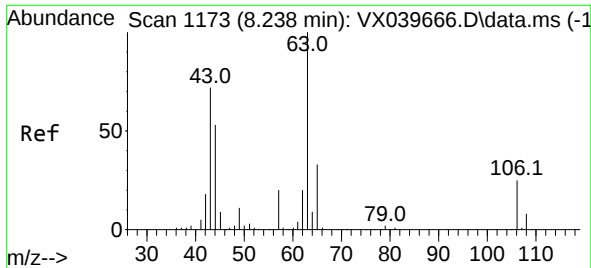
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#54  
1,2-Dibromoethane  
Concen: 5.028 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion:107 Resp: 6131  
Ion Ratio Lower Upper  
107 100  
109 94.2 75.1 112.7





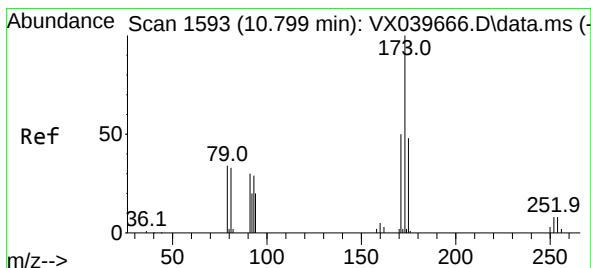
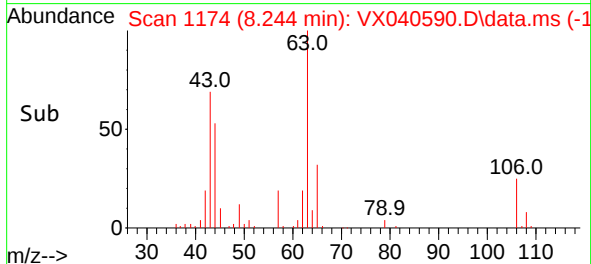
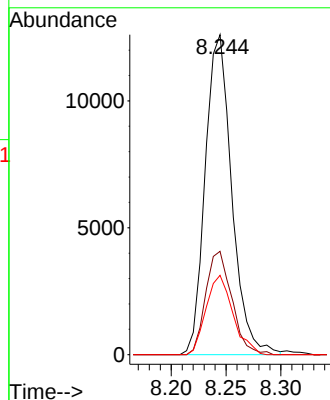
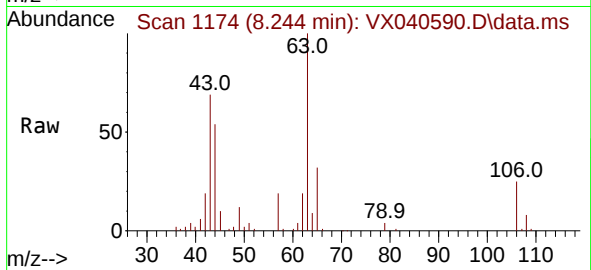
#55  
2-Chloroethyl vinyl ether  
Concen: 24.085 ug/l  
RT: 8.244 min Scan# 1174  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion: 63 Resp: 21280  
Ion Ratio Lower Upper  
63 100  
65 31.8 25.8 38.6  
106 25.1 20.6 31.0

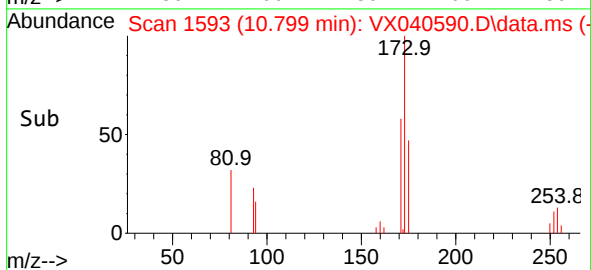
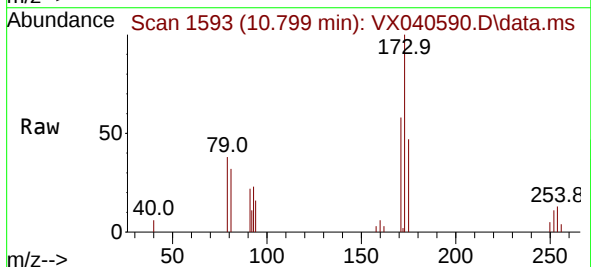
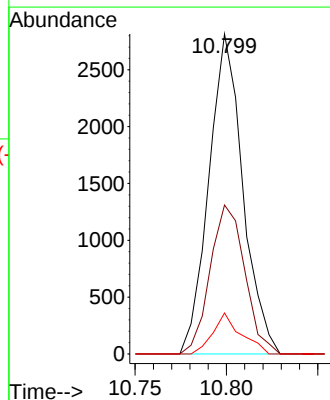
Manual Integrations  
APPROVED

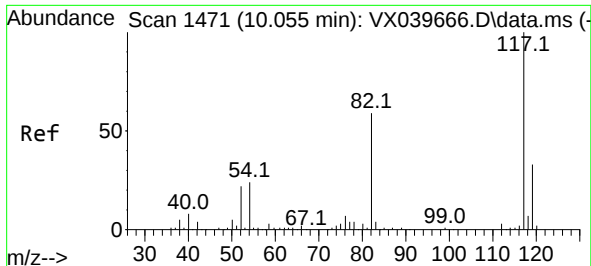
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#56  
Bromoform  
Concen: 4.087 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion:173 Resp: 3642  
Ion Ratio Lower Upper  
173 100  
175 47.4 37.6 56.4  
254 10.6 5.8 8.8#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX040590.D

Acq: 05 Mar 2024 15:50

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT1-2024

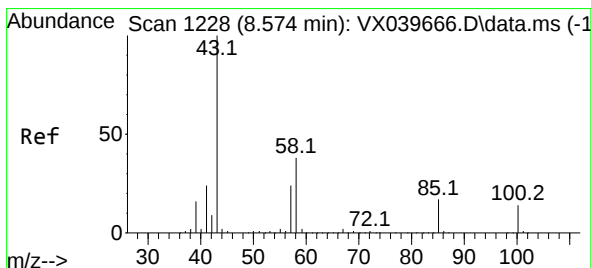
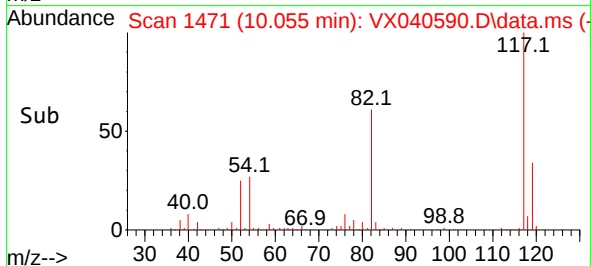
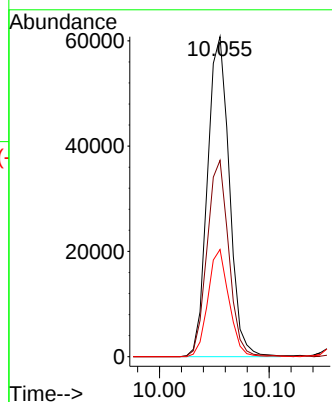
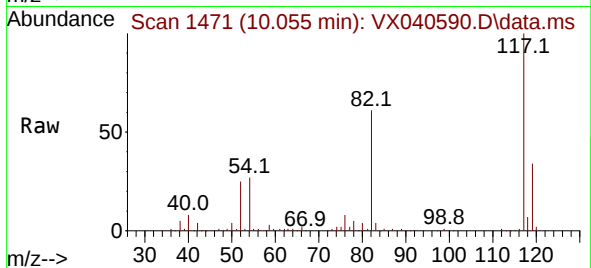
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 117   | Resp: | 8415 |
| Ion Ratio | Lower | Upper |      |
| 117       | 100   |       |      |
| 82        | 60.9  | 47.0  | 70.6 |
| 119       | 32.2  | 25.2  | 37.8 |

Manual Integrations

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Reviewed By :John Carlone 03/06/2024

Supervised By :Mahesh Dadoda 03/06/2024



#58

4-Methyl-2-Pentanone

Concen: 25.574 ug/l

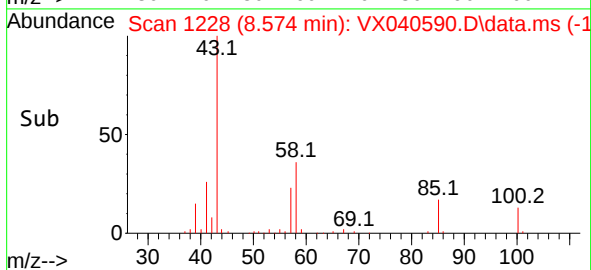
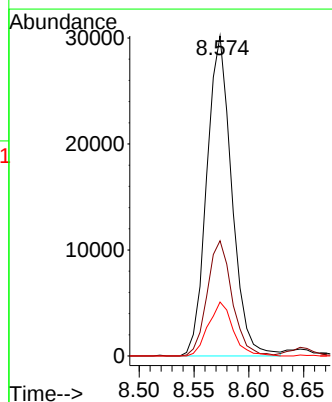
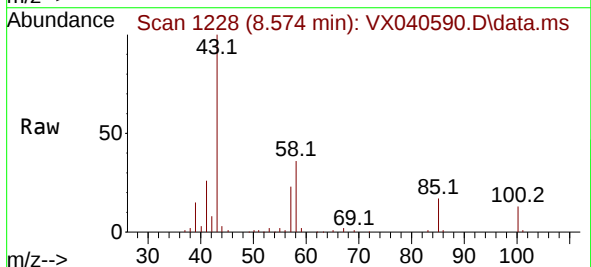
RT: 8.574 min Scan# 1228

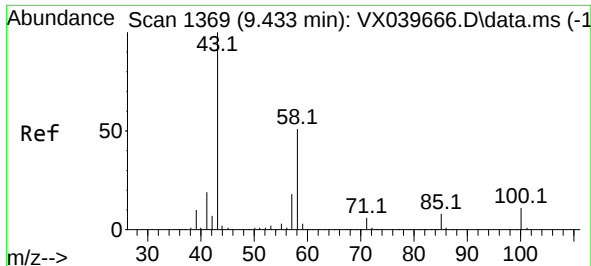
Delta R.T. -0.000 min

Lab File: VX040590.D

Acq: 05 Mar 2024 15:50

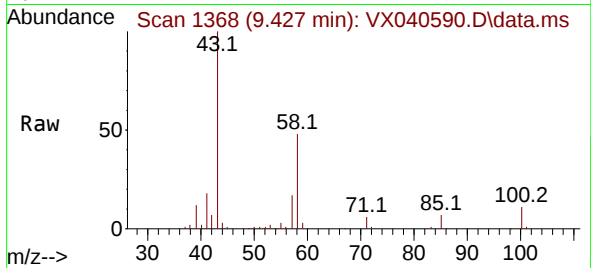
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 47923 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 35.9  | 30.1  | 45.1  |
| 85        | 16.6  | 13.9  | 20.9  |





#59  
2-Hexanone  
Concen: 24.505 ug/l  
RT: 9.427 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

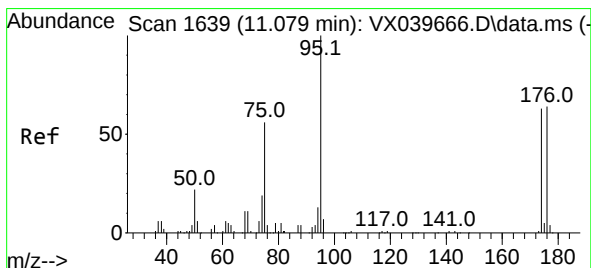
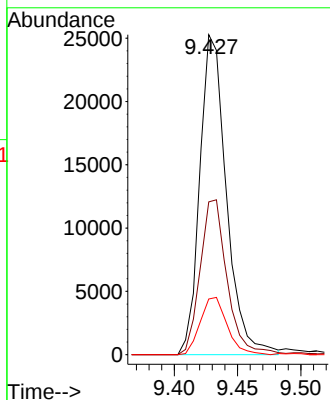
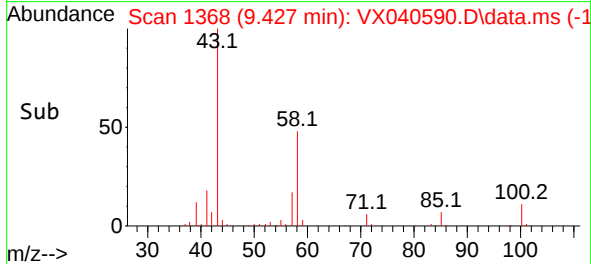
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



Tgt Ion: 43 Resp: 3709  
Ion Ratio Lower Upper  
43 100  
58 49.0 42.7 64.1  
57 18.1 14.8 22.2

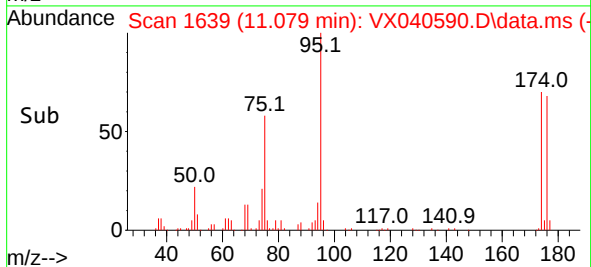
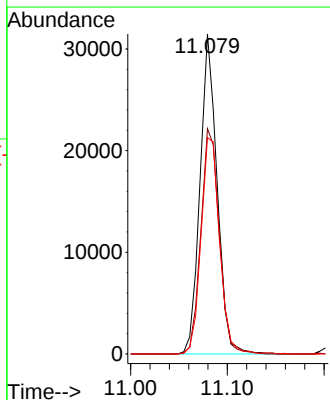
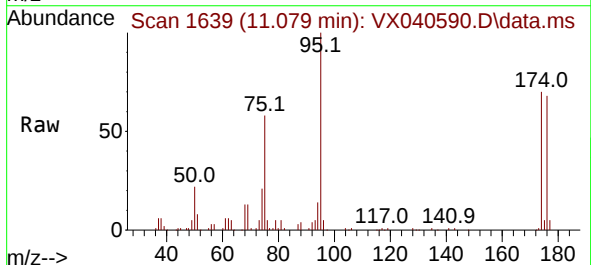
Manual Integrations  
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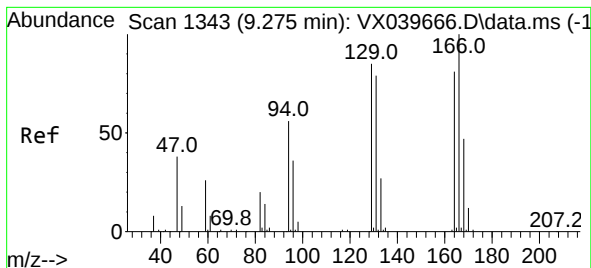
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#60  
4-Bromofluorobenzene  
Concen: 26.884 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion: 95 Resp: 38807  
Ion Ratio Lower Upper  
95 100  
174 75.2 55.4 83.2  
176 73.3 52.6 78.8





#61

Tetrachloroethene

Concen: 5.603 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX040590.D

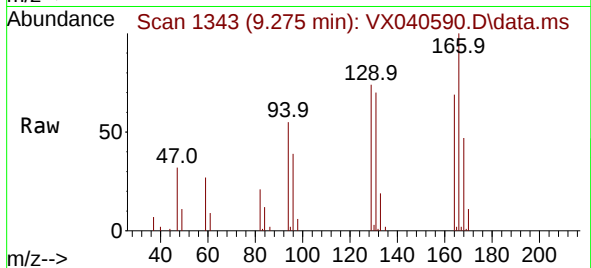
Acq: 05 Mar 2024 15:50

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT1-2024



Tgt Ion:164 Resp: 5590

Ion Ratio Lower Upper

164 100

166 144.2 104.0 156.0

129 106.3 82.0 123.0

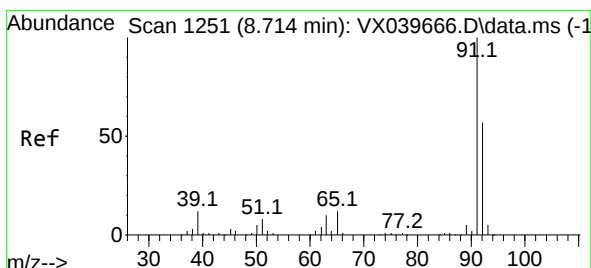
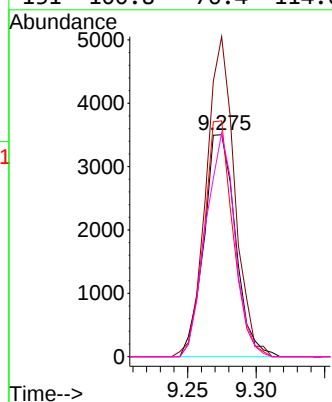
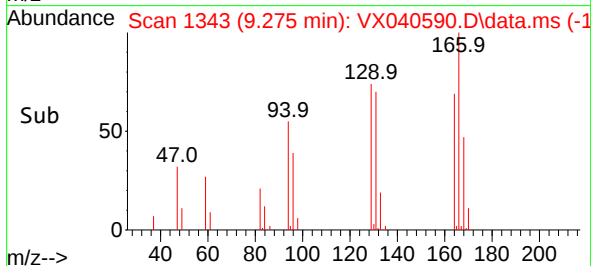
131 100.8 76.4 114.6

Manual Integrations

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Reviewed By :John Carlone 03/06/2024

Supervised By :Mahesh Dadoda 03/06/2024



#62

Toluene

Concen: 5.169 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX040590.D

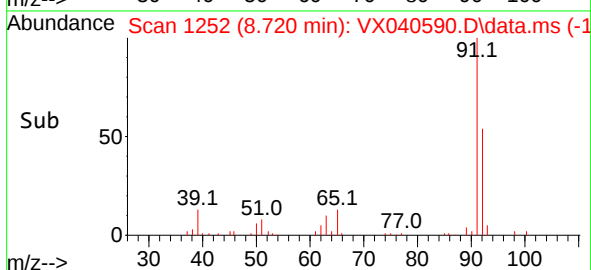
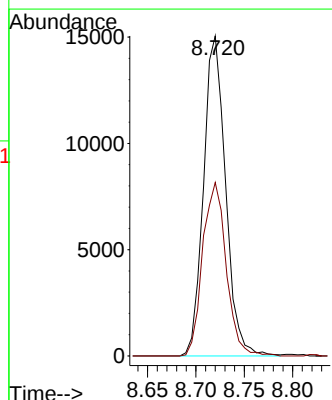
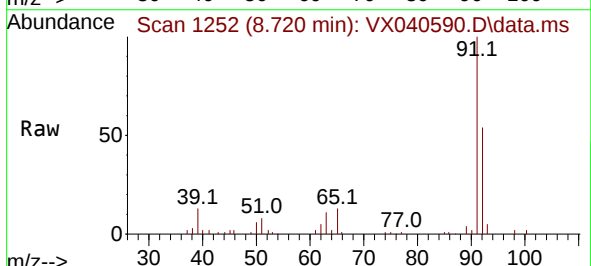
Acq: 05 Mar 2024 15:50

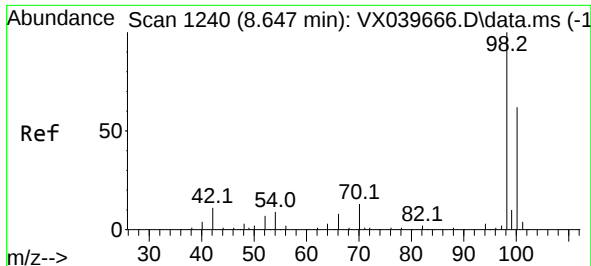
Tgt Ion: 91 Resp: 23958

Ion Ratio Lower Upper

91 100

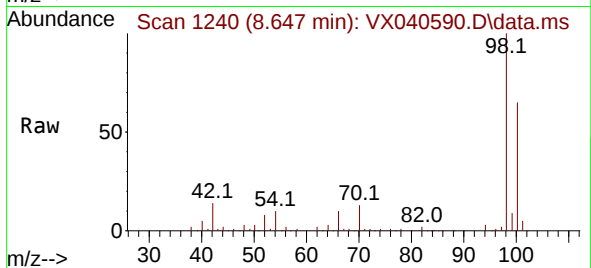
92 57.6 45.9 68.9





#63  
Toluene-d8  
Concen: 29.907 ug/l  
RT: 8.647 min Scan# 11122  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

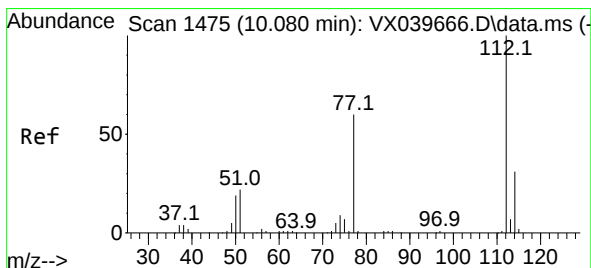
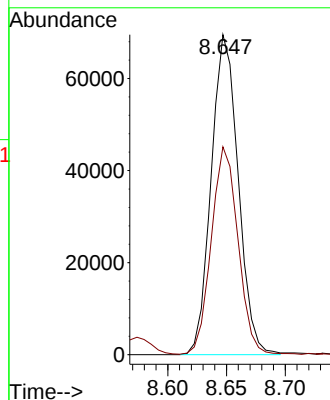
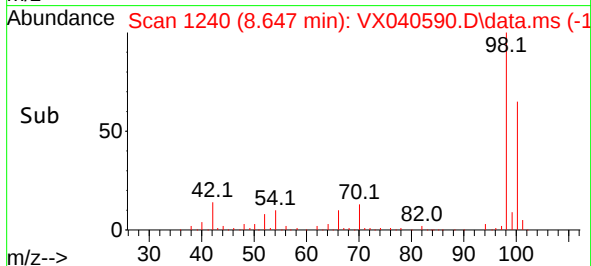
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



Tgt Ion: 98 Resp: 11122  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.0 76.4

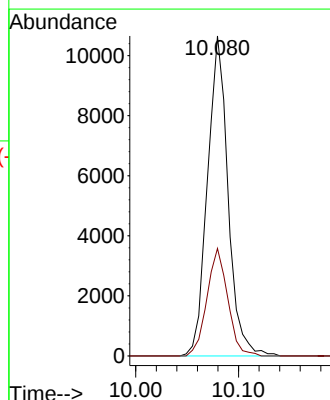
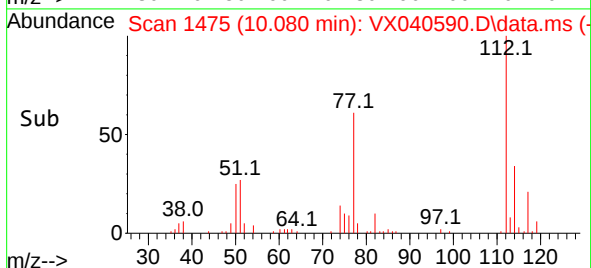
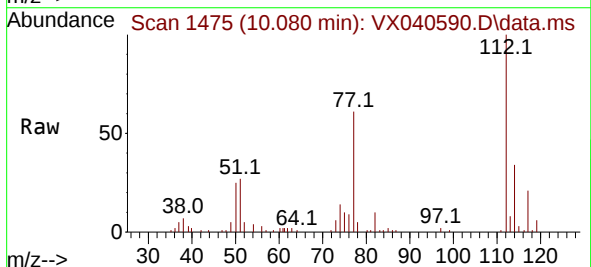
Manual Integrations  
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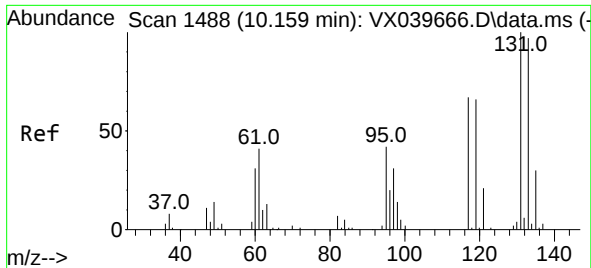
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#64  
Chlorobenzene  
Concen: 5.232 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion:112 Resp: 14820  
Ion Ratio Lower Upper  
112 100  
114 33.6 25.9 38.9





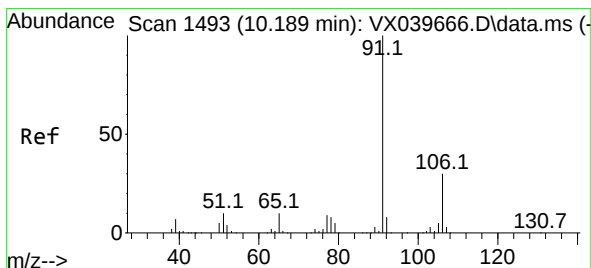
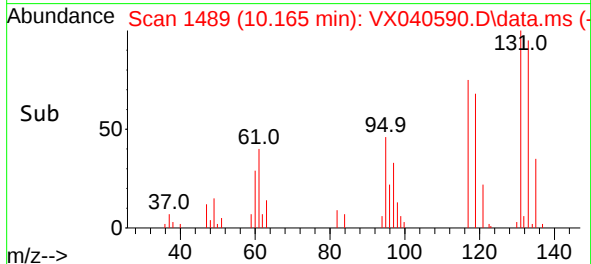
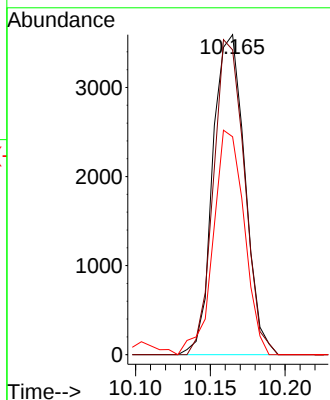
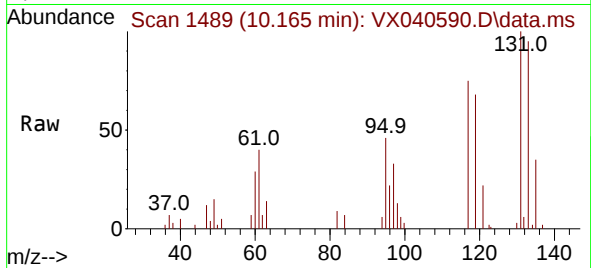
#65  
1,1,1,2-Tetrachloroethane  
Concen: 4.939 ug/l  
RT: 10.165 min Scan# 1488  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument : MSVOA\_X  
ClientSampleId : LOQ-WATER-02-QT1-2024

Tgt Ion:131 Resp: 533  
Ion Ratio Lower Upper  
131 100  
133 95.3 0.0 191.8  
119 68.0 0.0 135.4

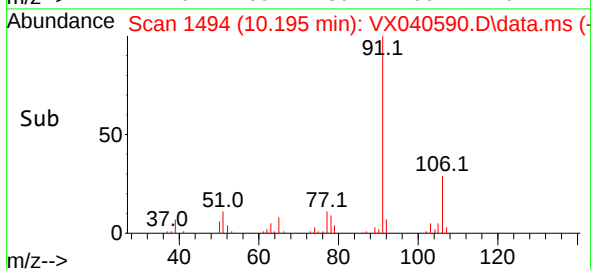
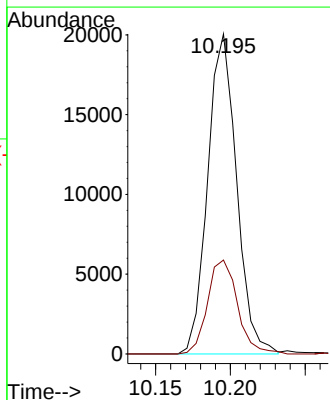
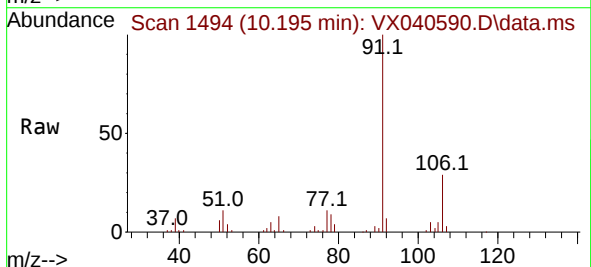
Manual Integrations  
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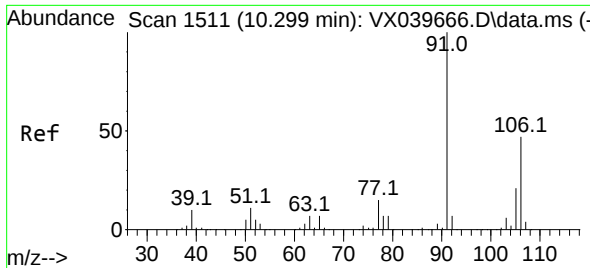
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#66  
Ethyl Benzene  
Concen: 5.040 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion: 91 Resp: 26934  
Ion Ratio Lower Upper  
91 100  
106 29.3 24.4 36.6





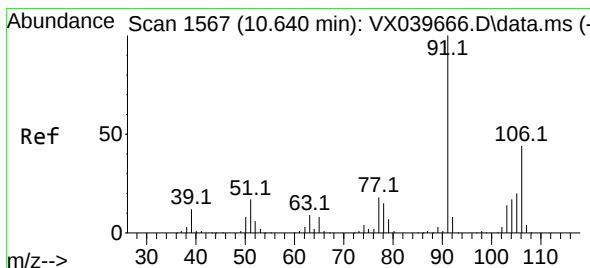
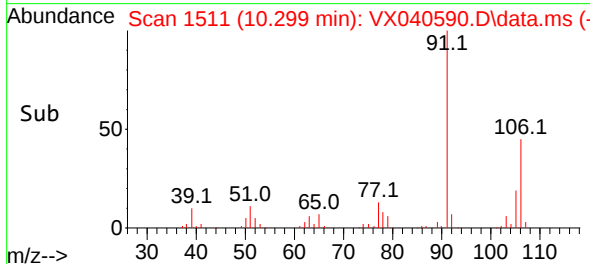
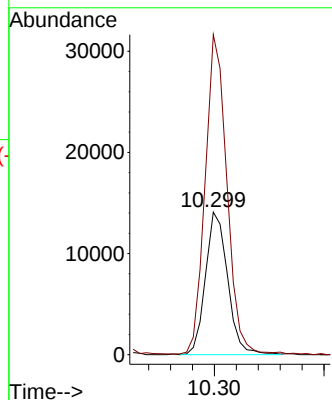
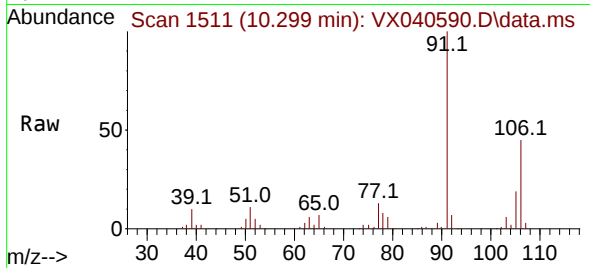
#67  
m/p-Xylenes  
Concen: 10.058 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion:106 Resp: 1984  
Ion Ratio Lower Upper  
106 100  
91 218.0 169.4 254.0

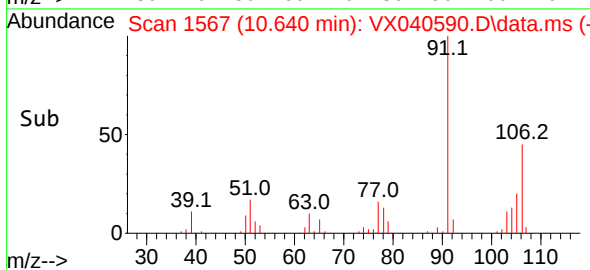
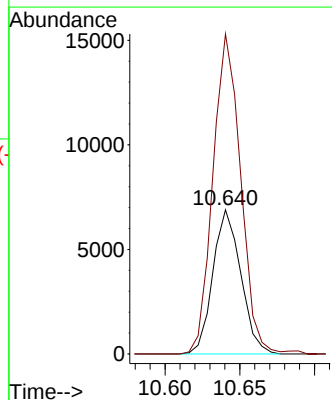
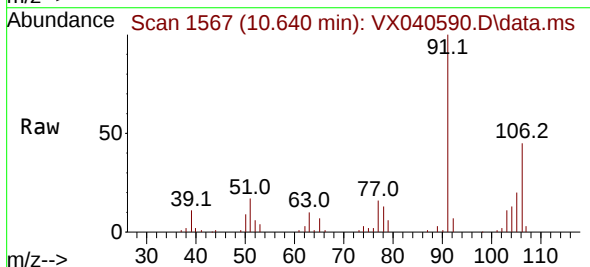
Manual Integrations  
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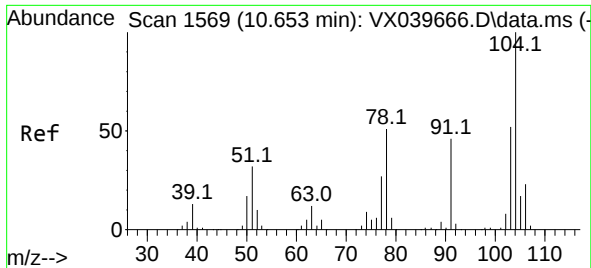
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#68  
o-Xylene  
Concen: 4.713 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion:106 Resp: 8953  
Ion Ratio Lower Upper  
106 100  
91 219.7 111.2 333.6





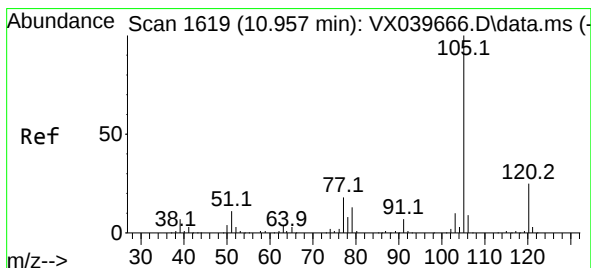
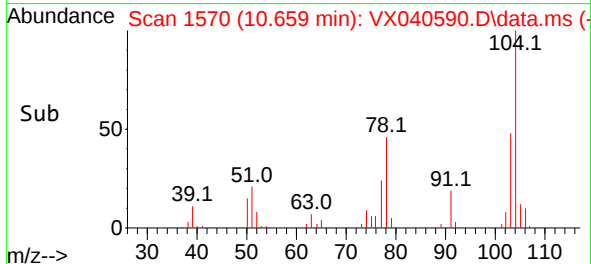
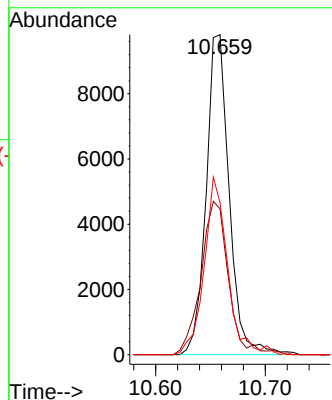
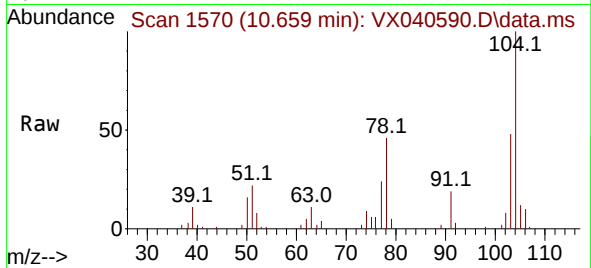
#69  
Styrene  
Concen: 4.481 ug/l  
RT: 10.659 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion:104 Resp: 1430  
Ion Ratio Lower Upper  
104 100  
78 55.2 43.7 65.5  
103 55.5 44.6 67.0

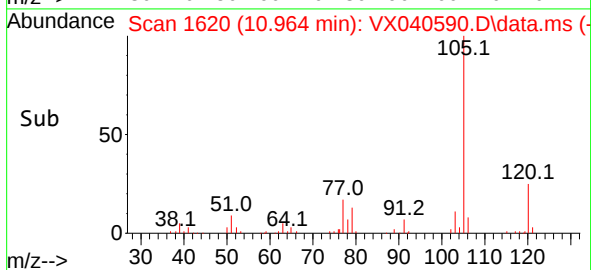
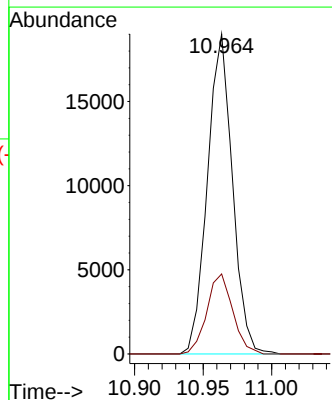
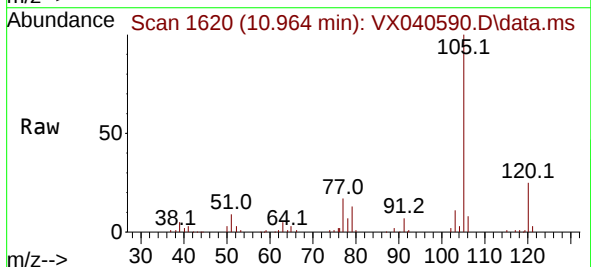
Manual Integrations  
APPROVED

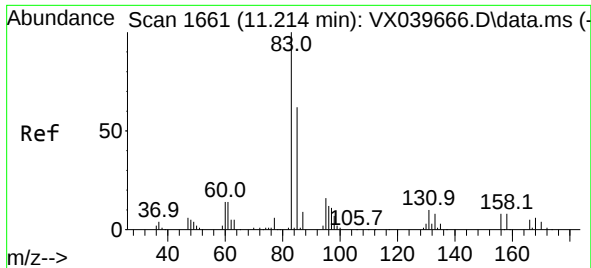
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#70  
Isopropylbenzene  
Concen: 4.705 ug/l  
RT: 10.964 min Scan# 1620  
Delta R.T. 0.007 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion:105 Resp: 24152  
Ion Ratio Lower Upper  
105 100  
120 25.9 18.5 34.3





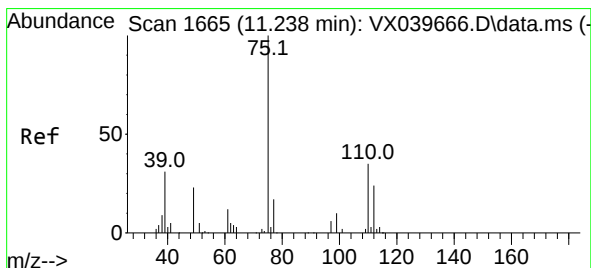
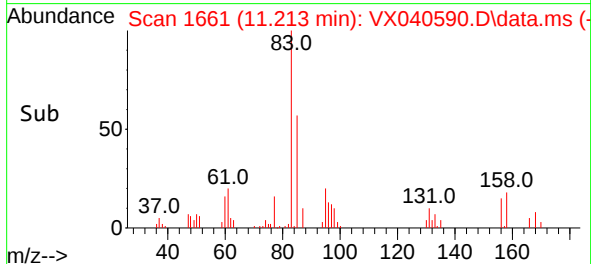
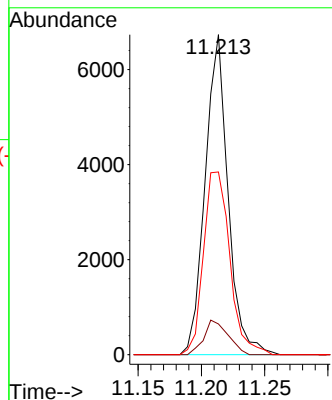
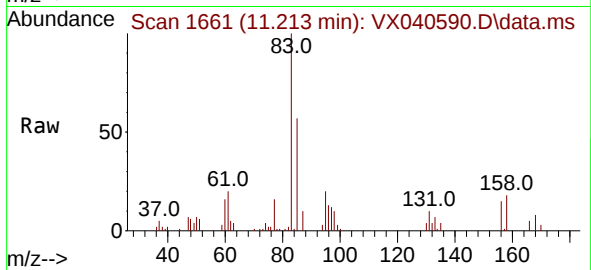
#71  
1,1,2,2-Tetrachloroethane  
Concen: 4.723 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.001 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument : MSVOA\_X  
ClientSampleId : LOQ-WATER-02-QT1-2024

Tgt Ion: 83 Resp: 8498  
Ion Ratio Lower Upper  
83 100  
131 11.3 4.6 13.8  
85 65.8 32.5 97.4

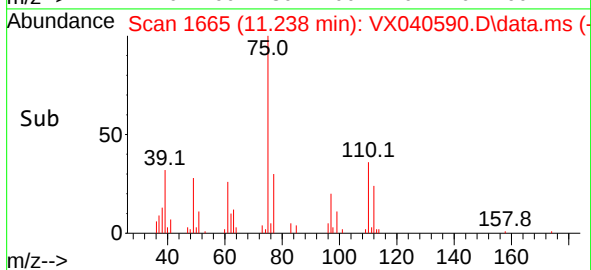
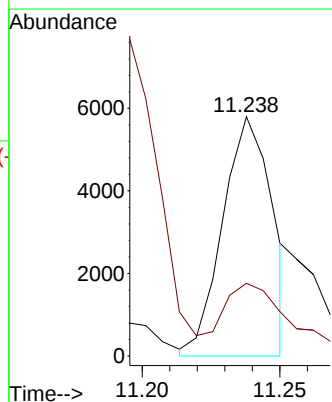
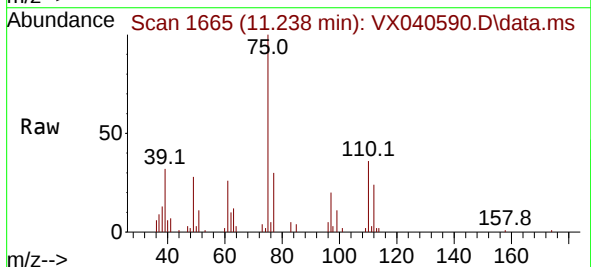
Manual Integrations  
APPROVED

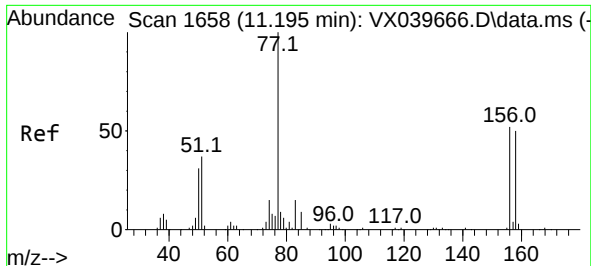
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#72  
1,2,3-Trichloropropane  
Concen: 4.504 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion: 75 Resp: 7293  
Ion Ratio Lower Upper  
75 100  
77 42.2 0.0 76.4





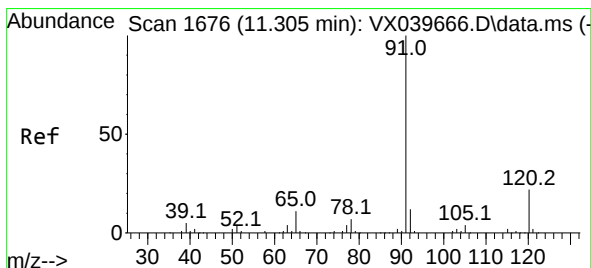
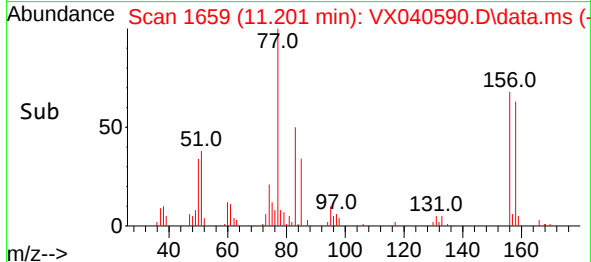
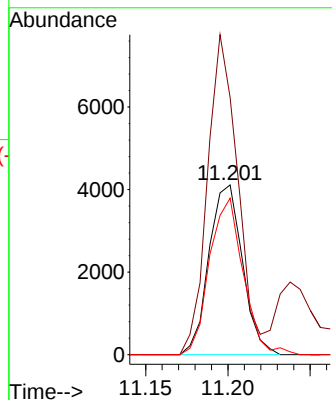
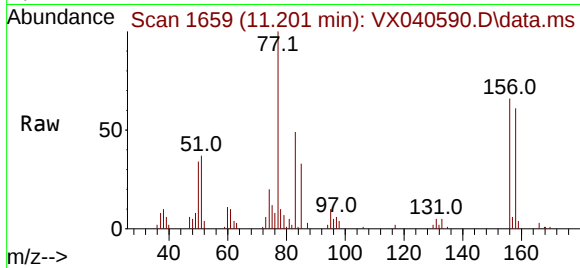
#73  
Bromobenzene  
Concen: 4.796 ug/l  
RT: 11.201 min Scan# 1659  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion:156 Resp: 5828  
Ion Ratio Lower Upper  
156 100  
77 168.5 0.0 363.2  
158 91.0 0.0 197.8

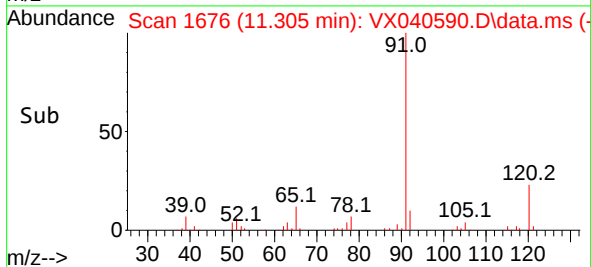
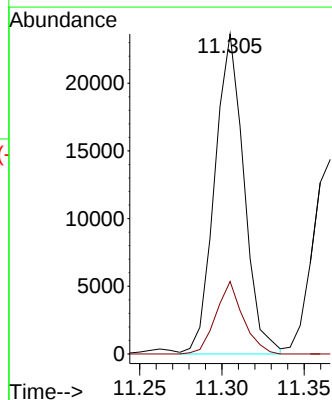
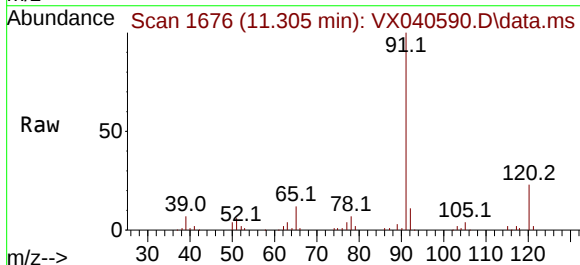
Manual Integrations  
APPROVED

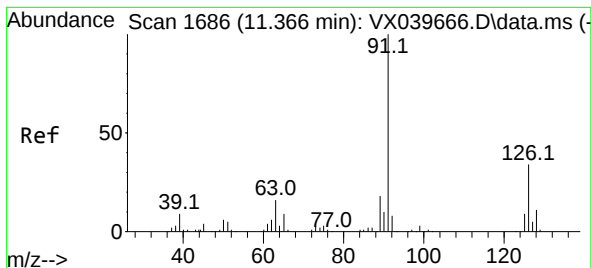
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#74  
n-propylbenzene  
Concen: 4.614 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion: 91 Resp: 29254  
Ion Ratio Lower Upper  
91 100  
120 21.0 0.0 43.4





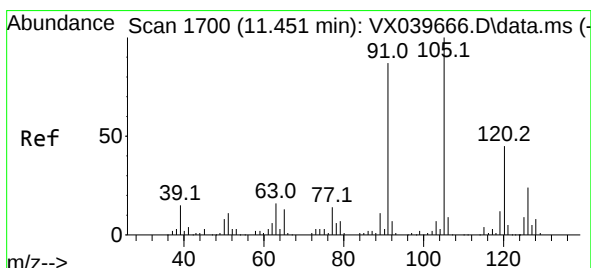
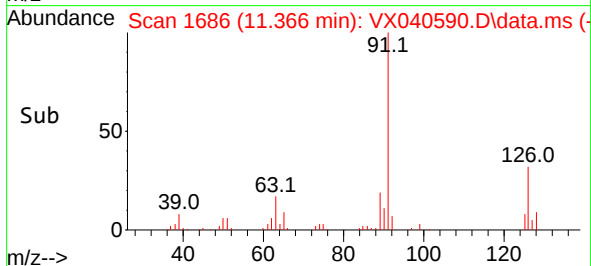
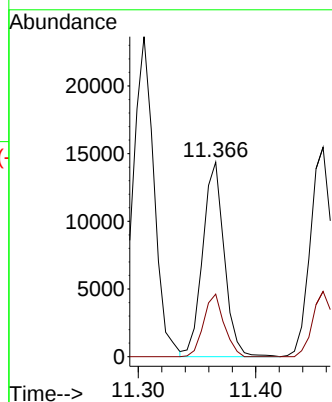
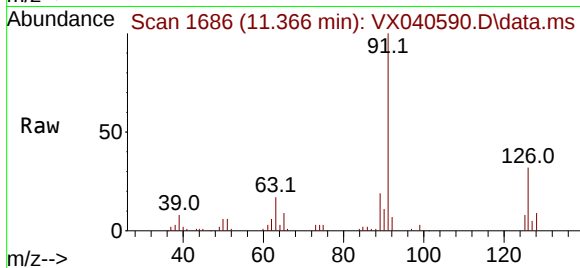
#75  
2-Chlorotoluene  
Concen: 4.873 ug/l  
RT: 11.366 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion: 91 Resp: 1833  
Ion Ratio Lower Upper  
91 100  
126 30.4 0.0 64.2

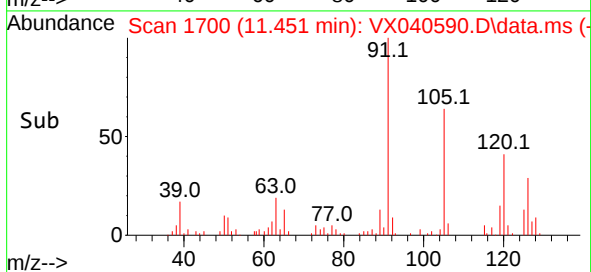
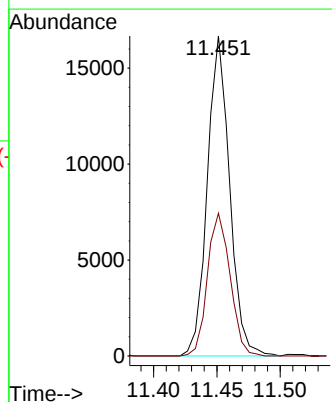
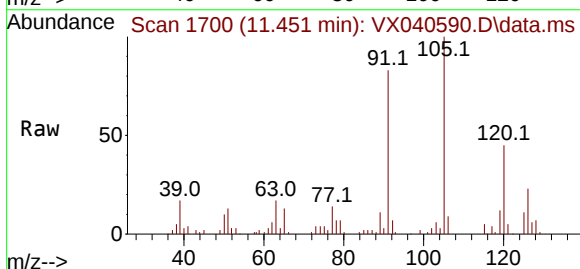
Manual Integrations  
APPROVED

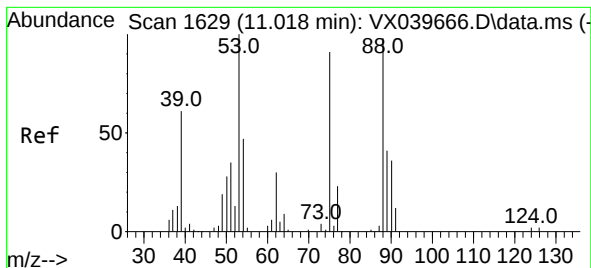
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#76  
1,3,5-Trimethylbenzene  
Concen: 4.529 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

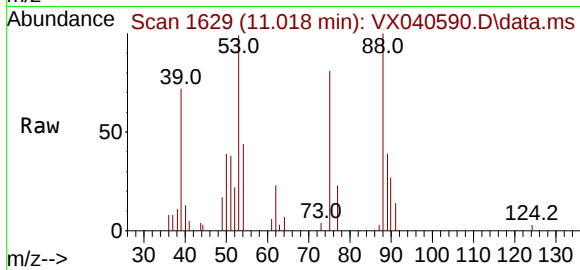
Tgt Ion:105 Resp: 20468  
Ion Ratio Lower Upper  
105 100  
120 45.3 0.0 92.6





#77  
t-1,4-Dichloro-2-butene  
Concen: 3.830 ug/l  
RT: 11.018 min Scan# 1101  
Delta R.T. 0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

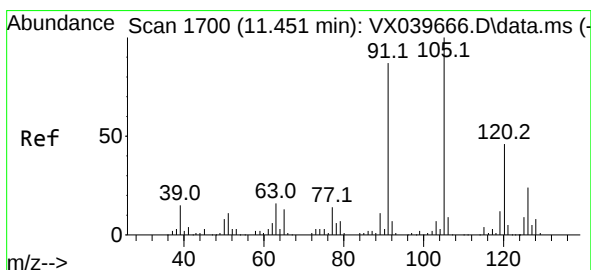
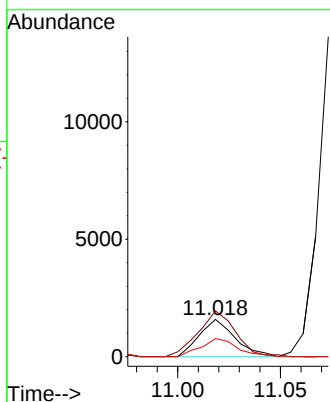
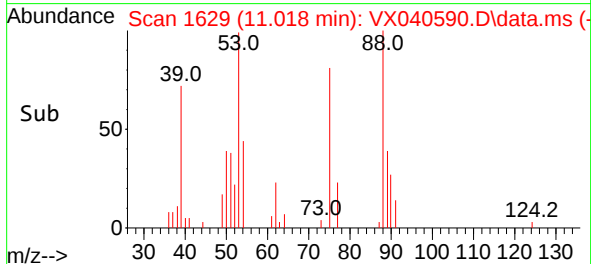
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



Tgt Ion: 75 Resp: 192  
Ion Ratio Lower Upper  
75 100  
53 117.7 46.9 140.8  
89 48.4 21.3 63.7

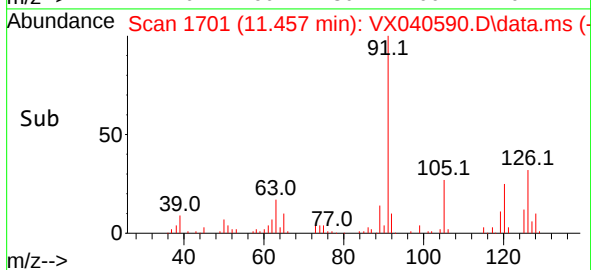
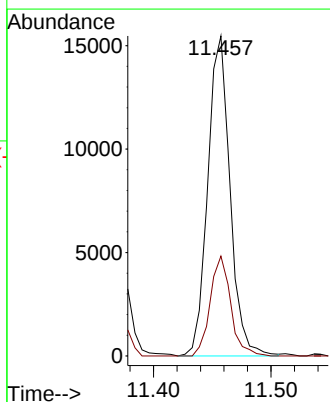
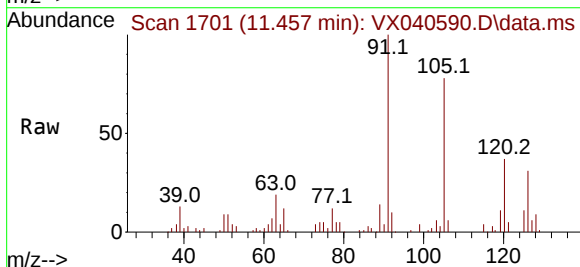
Manual Integrations  
APPROVED

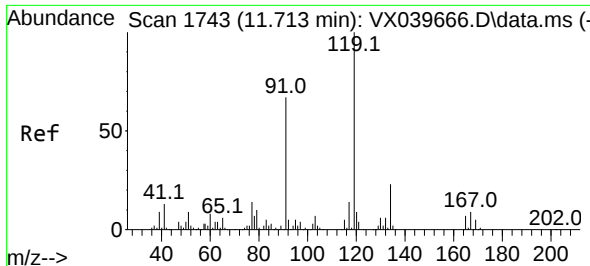
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#78  
4-Chlorotoluene  
Concen: 4.546 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion: 91 Resp: 20402  
Ion Ratio Lower Upper  
91 100  
126 28.8 0.0 57.4





#79

tert-butylbenzene

Concen: 4.403 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX040590.D

Acq: 05 Mar 2024 15:50

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT1-2024

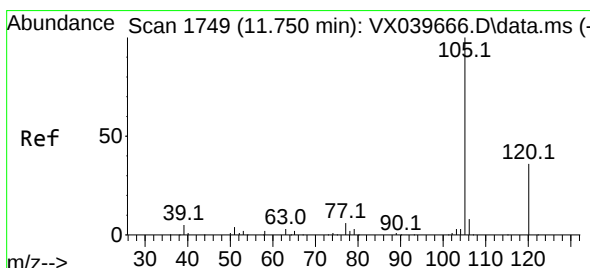
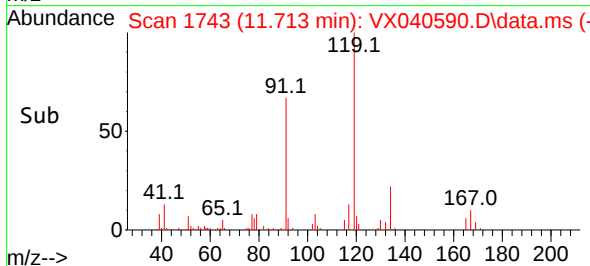
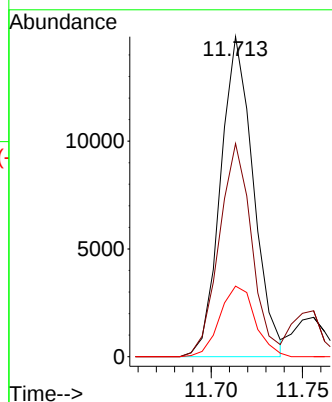
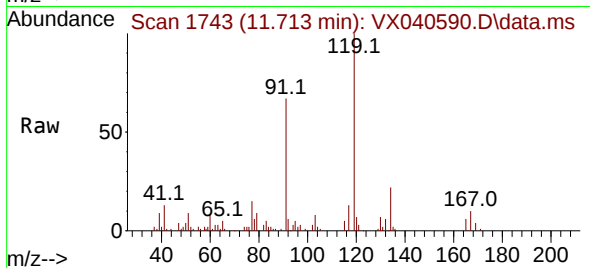
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 18572 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 66.5  | 0.0   | 125.6 |
| 134       | 23.7  | 0.0   | 43.8  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2024

Supervised By :Mahesh Dadoda 03/06/2024



#80

1,2,4-Trimethylbenzene

Concen: 4.716 ug/l

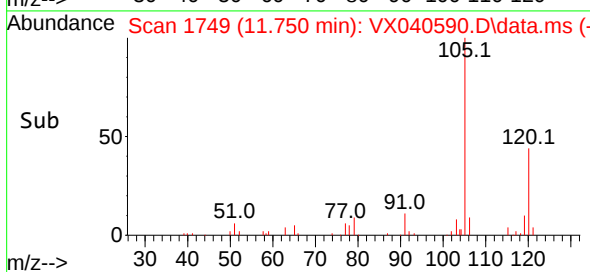
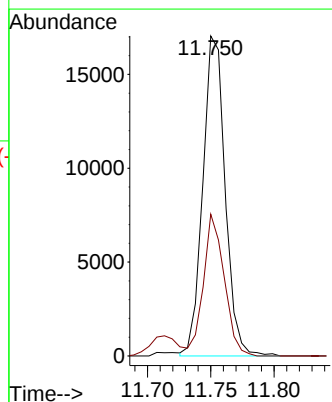
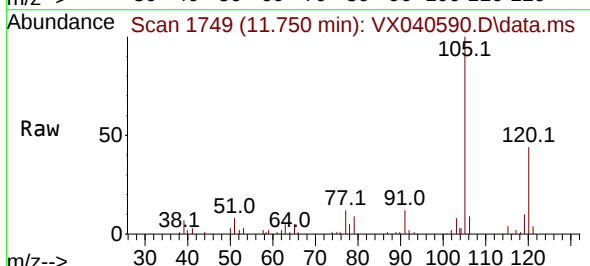
RT: 11.750 min Scan# 1749

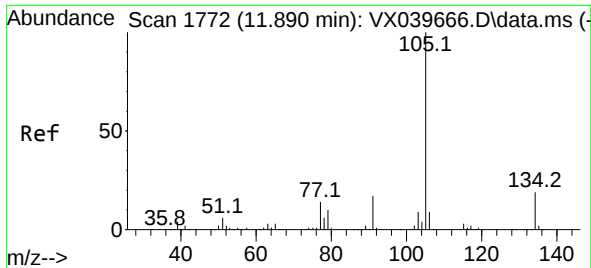
Delta R.T. -0.000 min

Lab File: VX040590.D

Acq: 05 Mar 2024 15:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 20999 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 41.0  | 0.0   | 86.4  |





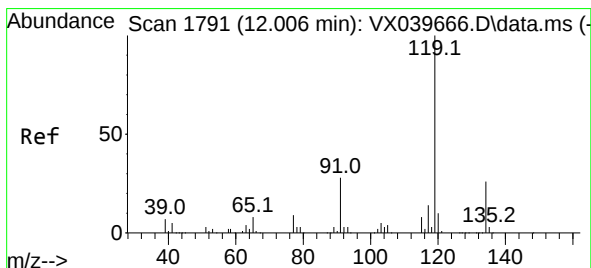
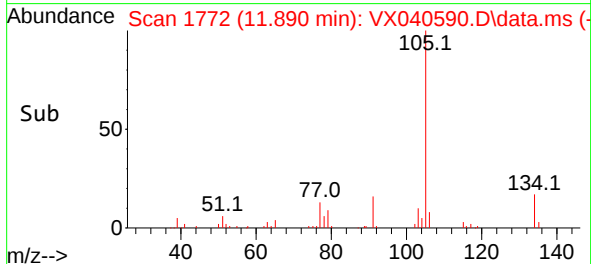
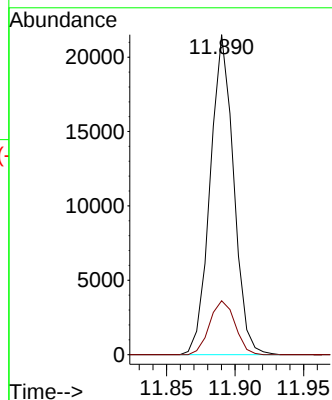
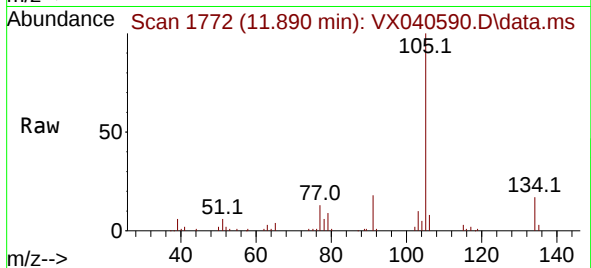
#81  
 sec-Butylbenzene  
 Concen: 4.604 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX040590.D  
 Acq: 05 Mar 2024 15:50

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2024

Tgt Ion:105 Resp: 25639  
 Ion Ratio Lower Upper  
 105 100  
 134 18.2 0.0 38.4

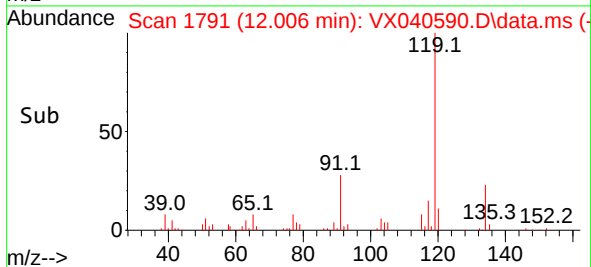
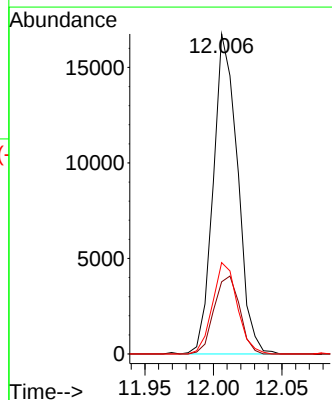
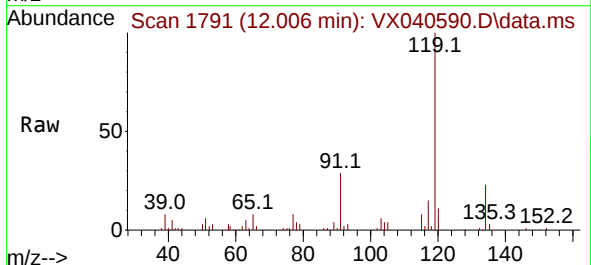
Manual Integrations  
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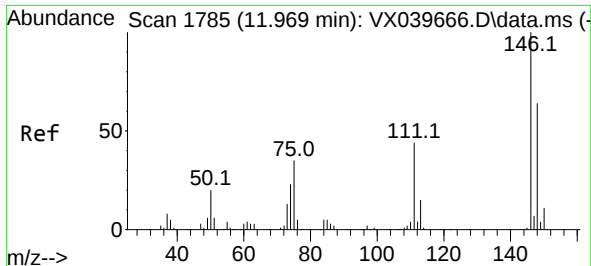
Reviewed By :John Carlone 03/06/2024  
 Supervised By :Mahesh Dadoda 03/06/2024



#82  
 p-Isopropyltoluene  
 Concen: 4.537 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. 0.000 min  
 Lab File: VX040590.D  
 Acq: 05 Mar 2024 15:50

Tgt Ion:119 Resp: 20681  
 Ion Ratio Lower Upper  
 119 100  
 134 25.6 0.0 52.6  
 91 29.1 0.0 54.2





#83

1,3-Dichlorobenzene

Concen: 4.907 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX040590.D

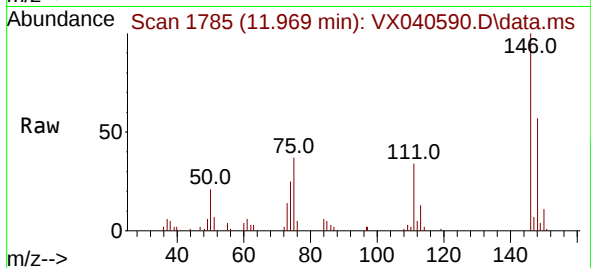
Acq: 05 Mar 2024 15:50

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT1-2024

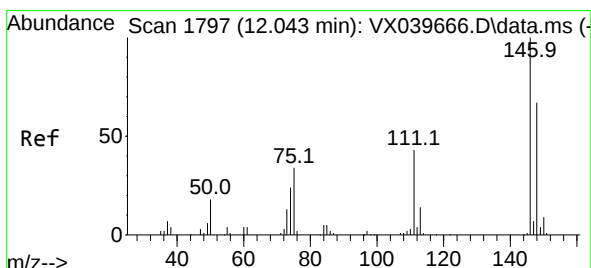
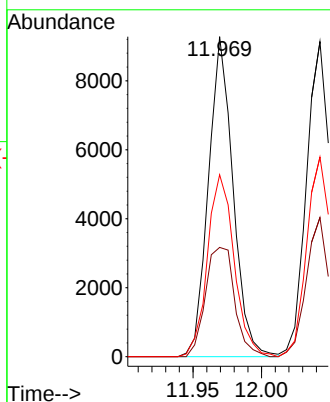
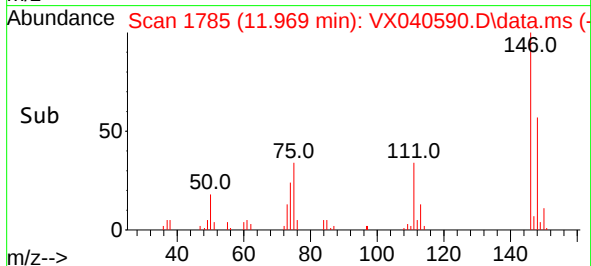


|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 1160      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 40.5  | 22.3 66.9 |
| 148         | 61.8  | 32.8 98.3 |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/06/2024

Supervised By :Mahesh Dadoda 03/06/2024



#84

1,4-Dichlorobenzene

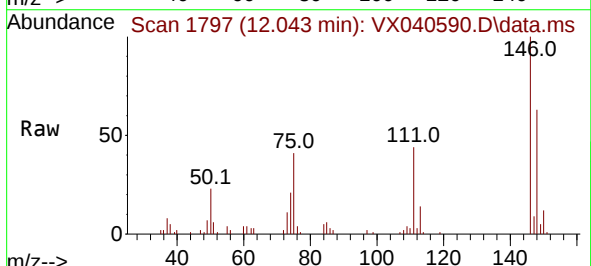
Concen: 4.875 ug/l

RT: 12.043 min Scan# 1797

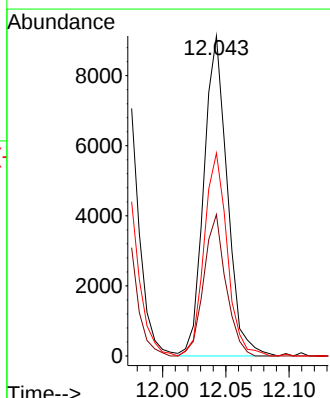
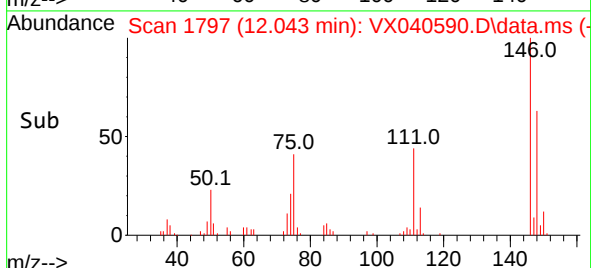
Delta R.T. -0.000 min

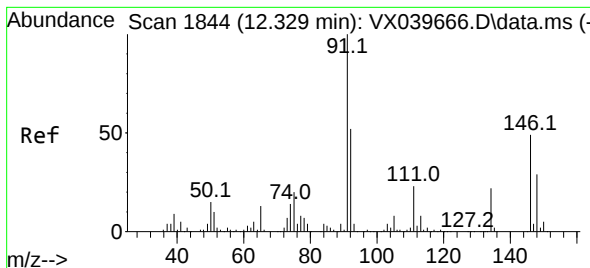
Lab File: VX040590.D

Acq: 05 Mar 2024 15:50



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 11788     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 42.0  | 21.4 64.2 |
| 148         | 62.4  | 31.8 95.4 |





#85

n-Butylbenzene

Concen: 4.820 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX040590.D

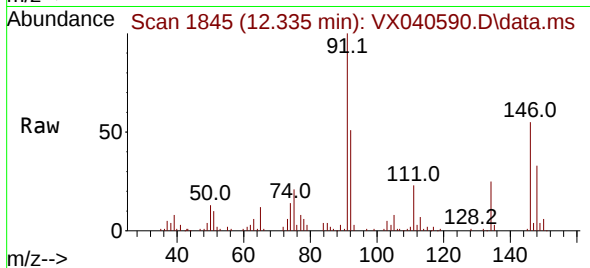
Acq: 05 Mar 2024 15:50

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT1-2024



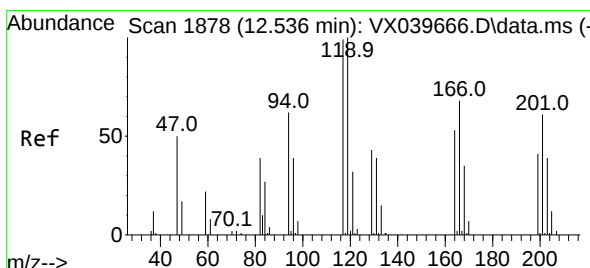
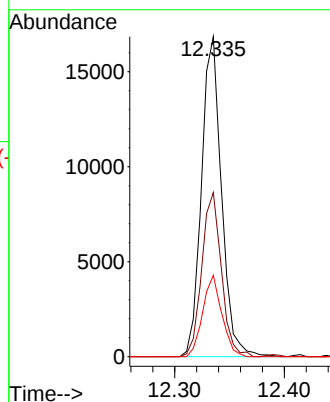
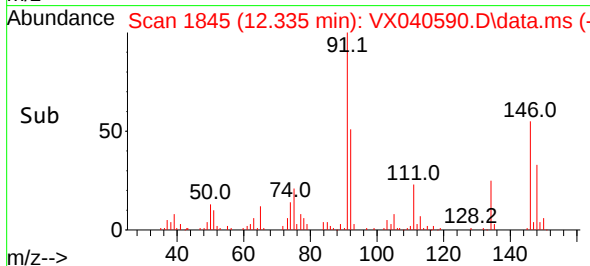
|             |                |
|-------------|----------------|
| Tgt Ion: 91 | Resp: 2138     |
| Ion Ratio   | Lower Upper    |
| 91          | 100            |
| 92          | 50.1 0.0 106.2 |
| 134         | 24.3 0.0 48.8  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2024

Supervised By :Mahesh Dadoda 03/06/2024



#86

Hexachloroethane

Concen: 4.529 ug/l

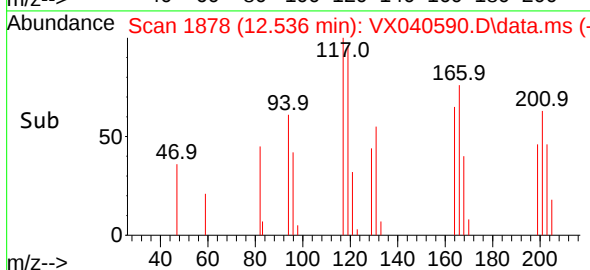
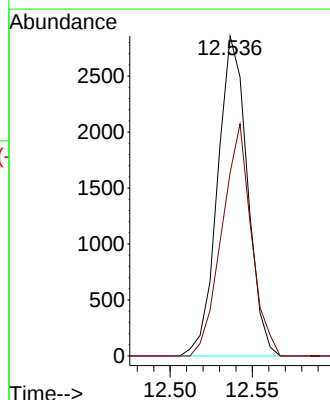
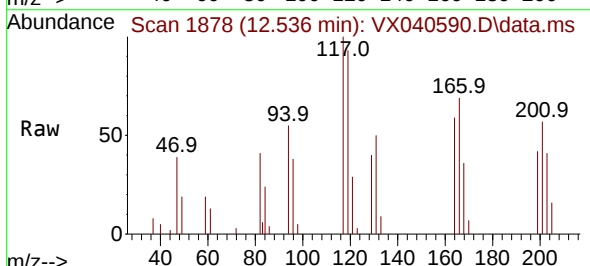
RT: 12.536 min Scan# 1878

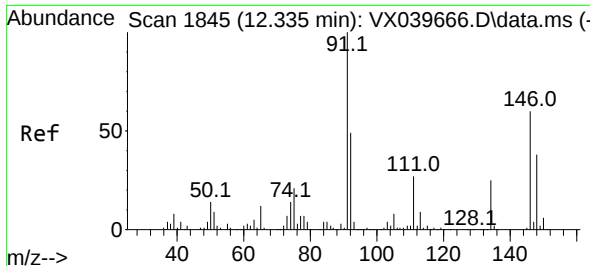
Delta R.T. 0.000 min

Lab File: VX040590.D

Acq: 05 Mar 2024 15:50

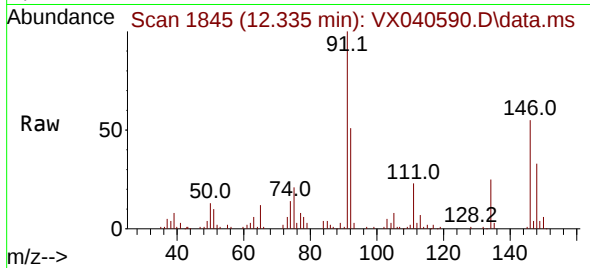
|              |                |
|--------------|----------------|
| Tgt Ion: 117 | Resp: 3602     |
| Ion Ratio    | Lower Upper    |
| 117          | 100            |
| 201          | 71.6 31.8 95.3 |





#87  
1,2-Dichlorobenzene  
Concen: 5.042 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

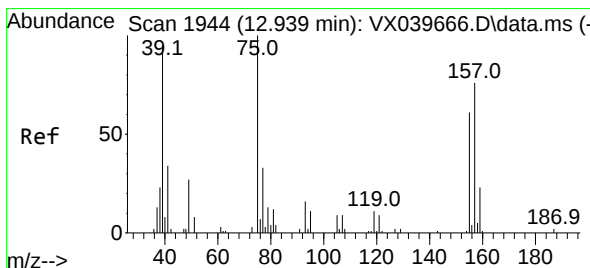
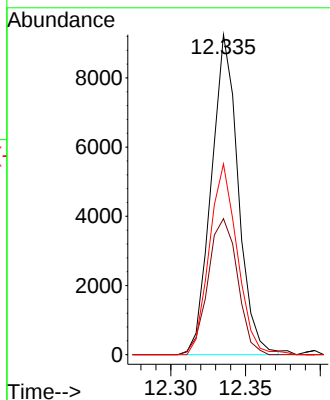
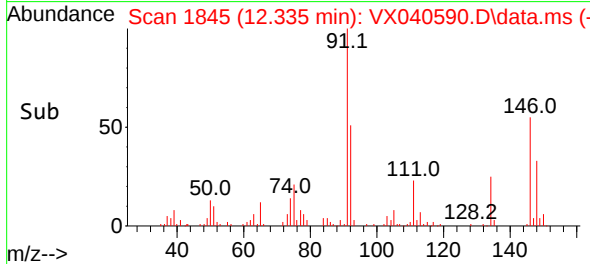
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024



Tgt Ion:146 Resp: 1158  
Ion Ratio Lower Upper  
146 100  
111 46.6 22.4 67.2  
148 61.7 31.9 95.7

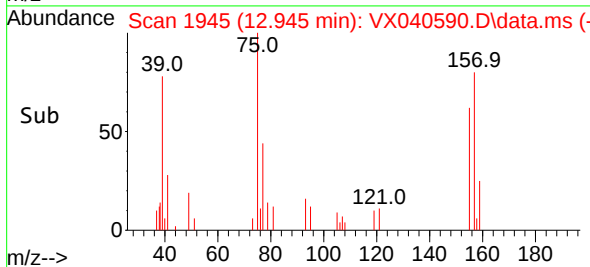
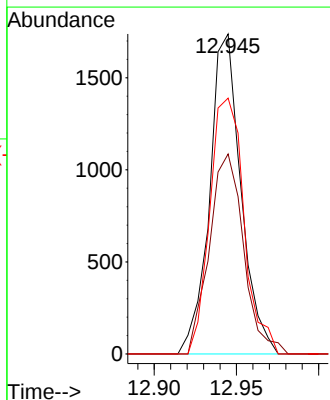
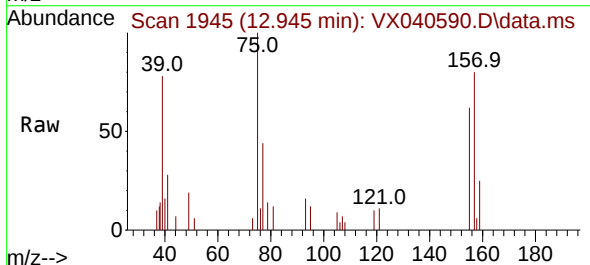
Manual Integrations  
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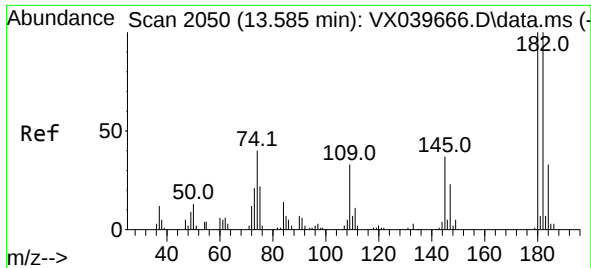
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 4.788 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Tgt Ion: 75 Resp: 2304  
Ion Ratio Lower Upper  
75 100  
155 68.4 58.2 87.4  
157 87.1 76.5 114.7





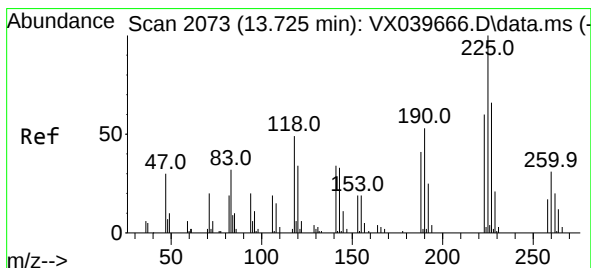
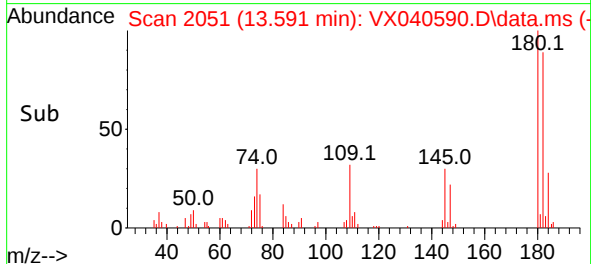
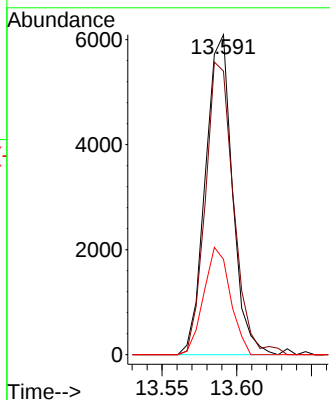
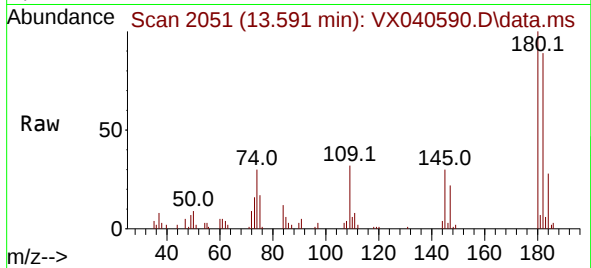
#89  
1,2,4-Trichlorobenzene  
Concen: 4.953 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT1-2024

Tgt Ion:180 Resp: 766  
Ion Ratio Lower Upper  
180 100  
182 94.2 74.5 111.7  
145 33.1 26.6 40.0

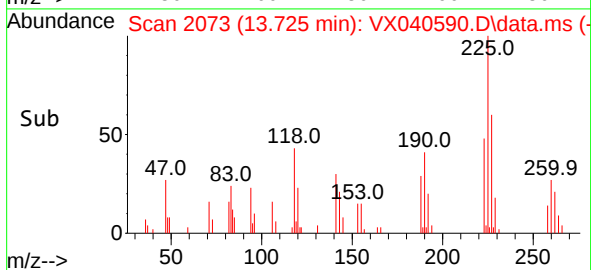
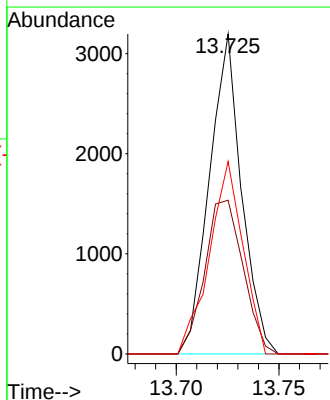
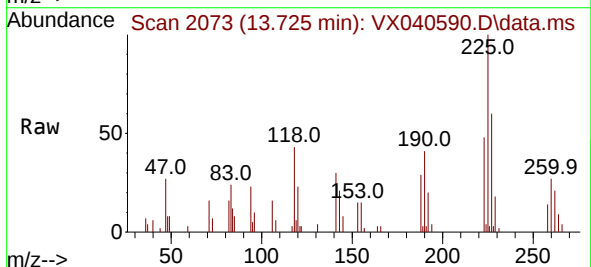
Manual Integrations  
APPROVED

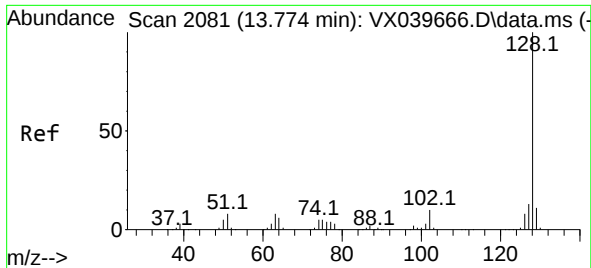
Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#90  
Hexachlorobutadiene  
Concen: 5.561 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

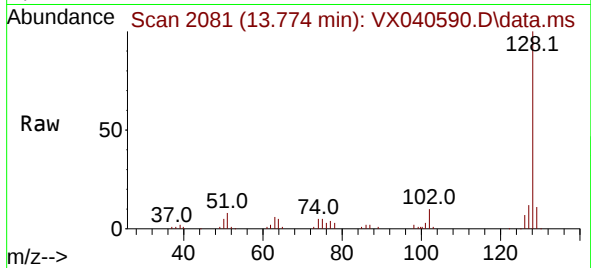
Tgt Ion:225 Resp: 3479  
Ion Ratio Lower Upper  
225 100  
223 57.5 0.0 124.4  
227 62.9 0.0 124.4





#91  
Naphthalene  
Concen: 4.764 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50

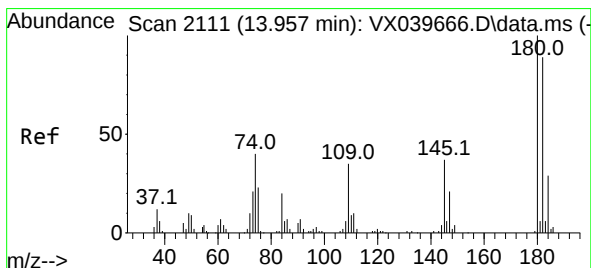
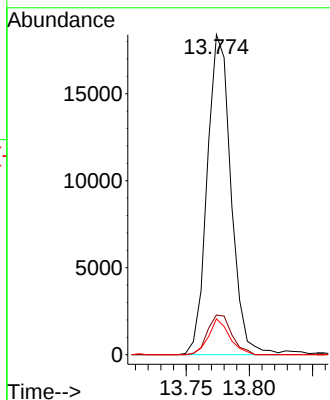
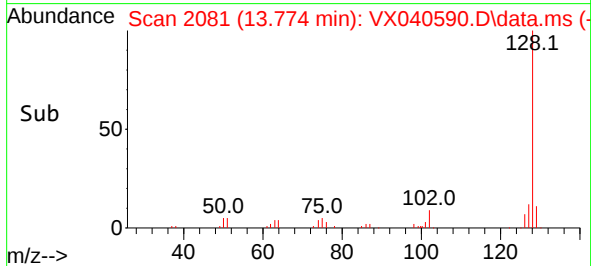
Instrument : MSVOA\_X  
ClientSampleId : LOQ-WATER-02-QT1-2024



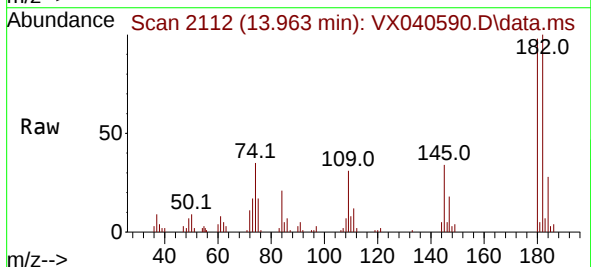
Tgt Ion:128 Resp: 2404  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.2 15.2  
129 9.9 8.6 12.8

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/06/2024  
Supervised By :Mahesh Dadoda 03/06/2024



#92  
1,2,3-Trichlorobenzene  
Concen: 5.060 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.006 min  
Lab File: VX040590.D  
Acq: 05 Mar 2024 15:50



Tgt Ion:180 Resp: 7719  
Ion Ratio Lower Upper  
180 100  
182 97.3 0.0 191.6  
145 36.3 0.0 69.6

