

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052424\  
 Data File : VU058967.D  
 Acq On : 24 May 2024 13:42  
 Operator : MD/SY  
 Sample : P2409-02  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT2-2024-04

Quant Time: May 24 22:41:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052324WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 24 22:25:41 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024  
 Supervised By :Mahesh Dadoda 05/27/2024

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242          | 114  | 177526     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412          | 117  | 175269     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807         | 152  | 72679      | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596          | 65   | 89818      | 47.837   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 95.680%  |        |          |
| 7) Chloroethane-d5            | 1.908          | 69   | 97276      | 62.339   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 124.680% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.557          | 63   | 114369     | 39.869   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 79.740%  |        |          |
| 21) 2-Butanone-d5             | 4.621          | 46   | 145396     | 112.735  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 112.730% |        |          |
| 24) Chloroform-d              | 5.052          | 84   | 160113     | 49.716   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 99.440%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.692          | 65   | 103110     | 52.350   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 104.700% |        |          |
| 32) Benzene-d6                | 5.718          | 84   | 327857     | 54.869   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 109.740% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.682          | 67   | 108846     | 55.151   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 110.300% |        |          |
| 41) Toluene-d8                | 7.891          | 98   | 271220     | 50.639   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 101.280% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.174          | 79   | 42827      | 48.326   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 96.660%  |        |          |
| 47) 2-Hexanone-d5             | 8.631          | 63   | 87926      | 107.719  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 107.720% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750         | 84   | 159927     | 53.863   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 107.720% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187         | 152  | 86033      | 57.369   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 114.740% |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380          | 85   | 3291       | 2.771    | ug/L   | 91       |
| 3) Chloromethane              | 1.515          | 50   | 4113       | 3.232    | ug/L   | 82       |
| 5) Vinyl chloride             | 1.599          | 62   | 4203       | 2.828    | ug/L # | 68       |
| 6) Bromomethane               | 1.853          | 94   | 2352       | 2.670    | ug/L   | 88       |
| 8) Chloroethane               | 1.924          | 64   | 4319       | 4.237    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.126          | 101  | 5605       | 2.773    | ug/L   | 94       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.570          | 101  | 4325       | 3.147    | ug/L # | 68       |
| 12) 1,1-Dichloroethene        | 2.570          | 96   | 3764       | 3.423    | ug/L # | 1        |
| 13) Acetone                   | 2.641          | 43   | 6209       | 5.460    | ug/L   | 98       |
| 14) Carbon disulfide          | 2.782          | 76   | 5598       | 2.706    | ug/L   | 97       |
| 15) Methyl Acetate            | 2.953          | 43   | 5548       | 3.028    | ug/L # | 76       |
| 16) Methylene chloride        | 3.033          | 84   | 5814       | 3.314    | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 3.348          | 96   | 2961m      | 2.680    | ug/L   |          |
| 18) Methyl tert-butyl Ether   | 3.354          | 73   | 11986      | 2.741    | ug/L # | 93       |
| 19) 1,1-Dichloroethane        | 3.856          | 63   | 7691m      | 2.733    | ug/L   |          |
| 20) cis-1,2-Dichloroethene    | 4.657          | 96   | 3926       | 2.685    | ug/L   | 97       |
| 22) 2-Butanone                | 4.727          | 43   | 6738       | 4.549    | ug/L   | 74       |
| 23) Bromochloromethane        | 4.972          | 128  | 1974       | 2.589    | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 5.792          | 62   | 6431       | 2.835    | ug/L   | 96       |

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 Sample : P2409-02  
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT2-2024-04

Quant Time: May 24 22:41:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052324WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 24 22:25:41 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024  
 Supervised By :Mahesh Dadoda 05/27/2024

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 29) Cyclohexane               | 5.377  | 56   | 3623m    | 2.429 | ug/L   |          |
| 30) 1,1,1-Trichloroethane     | 5.309  | 97   | 5654     | 2.688 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 4768     | 2.806 | ug/L   | 93       |
| 34) Trichloroethene           | 6.534  | 95   | 5969     | 4.268 | ug/L   | 89       |
| 35) Methylcyclohexane         | 6.759  | 83   | 4209     | 2.568 | ug/L   | 92       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 4977     | 2.906 | ug/L # | 93       |
| 38) Bromodichloromethane      | 7.100  | 83   | 6460     | 3.035 | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 5919     | 2.509 | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone      | 7.792  | 43   | 14209    | 5.821 | ug/L   | 98       |
| 42) Toluene                   | 7.965  | 91   | 14835    | 2.627 | ug/L   | 87       |
| 44) trans-1,3-Dichloropropene | 8.210  | 75   | 6637     | 2.972 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 4620     | 2.733 | ug/L   | 92       |
| 46) Tetrachloroethene         | 8.550  | 164  | 2564     | 2.750 | ug/L   | 91       |
| 48) 2-Hexanone                | 8.685  | 43   | 14894    | 7.410 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.804  | 129  | 4252     | 2.632 | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 8.923  | 107  | 4427     | 2.740 | ug/L # | 97       |
| 51) Chlorobenzene             | 9.441  | 112  | 10283    | 2.754 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.566  | 91   | 15034    | 2.460 | ug/L   | 95       |
| 53) m,p-Xylene                | 9.692  | 106  | 5024     | 2.288 | ug/L   | 96       |
| 54) o-Xylene                  | 10.097 | 106  | 5162     | 2.349 | ug/L   | 95       |
| 55) Styrene                   | 10.116 | 104  | 7666m    | 1.953 | ug/L   |          |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 9852     | 3.234 | ug/L # | 99       |
| 59) Bromoform                 | 10.287 | 173  | 3398     | 3.527 | ug/L # | 91       |
| 60) 1,2,3-Trichloropropane    | 10.817 | 75   | 6934     | 3.749 | ug/L   | 94       |
| 61) Isopropylbenzene          | 10.480 | 105  | 12856    | 2.770 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.087 | 105  | 9301     | 2.544 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 9241     | 2.506 | ug/L   | 95       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 5987     | 2.485 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 6164     | 2.533 | ug/L   | 79       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 7420     | 3.028 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 1533     | 3.064 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.222 | 180  | 4213     | 2.482 | ug/L # | 87       |
| 70) 1,2,4-trichlorobenzene    | 13.843 | 180  | 3184     | 2.178 | ug/L   | 88       |
| 71) Naphthalene               | 14.094 | 128  | 8503m    | 1.994 | ug/L   |          |
| 72) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 3349     | 2.237 | ug/L   | 97       |

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

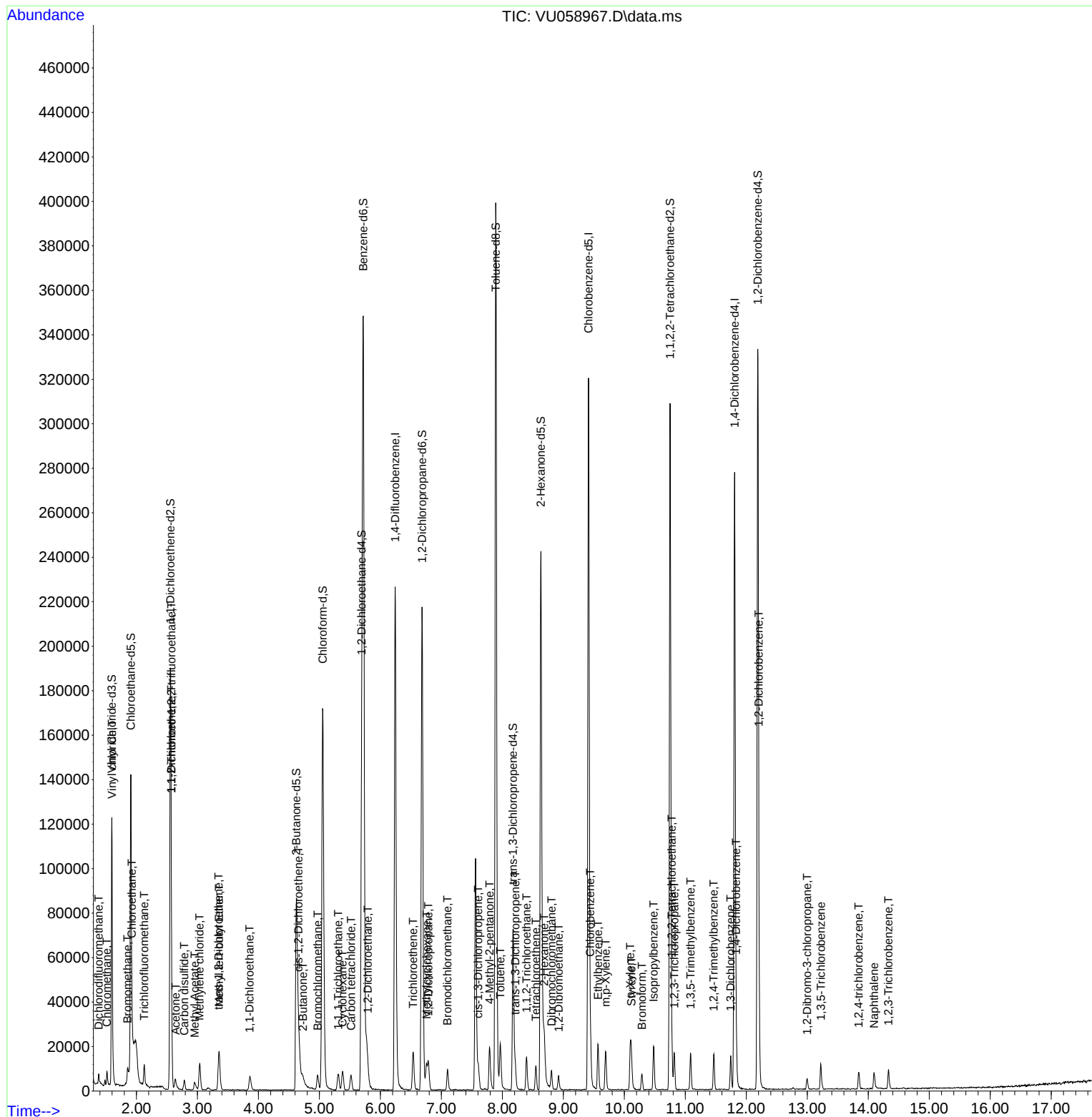
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Data File : VU058967.D  
Acq On : 24 May 2024 13:42  
Operator : MD/SY  
Sample : P2409-02  
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 6 Sample Multiplier: 1

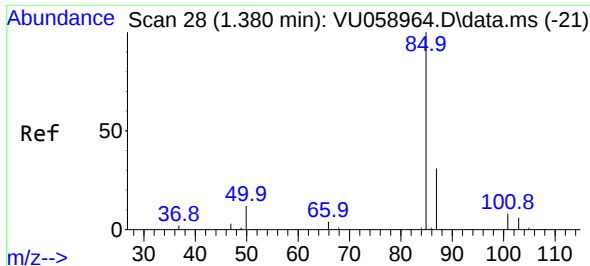
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04

Quant Time: May 24 22:41:01 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052324WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 24 22:25:41 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

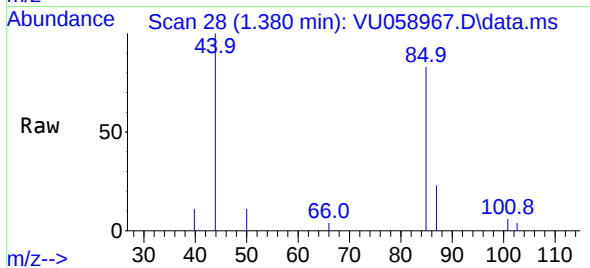
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024





#2  
Dichlorodifluoromethane  
Concen: 2.771 ug/L  
RT: 1.380 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

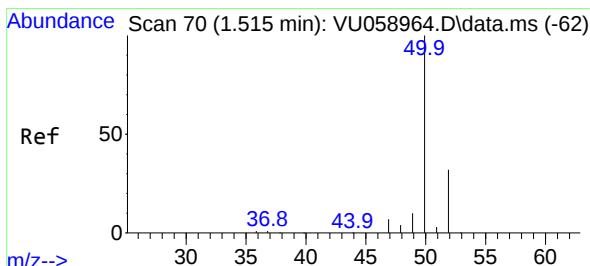
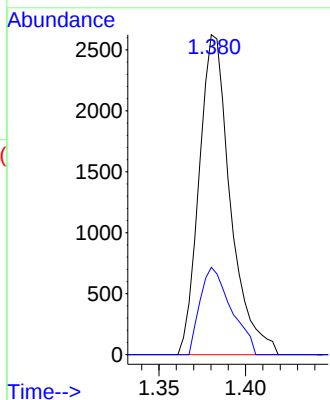
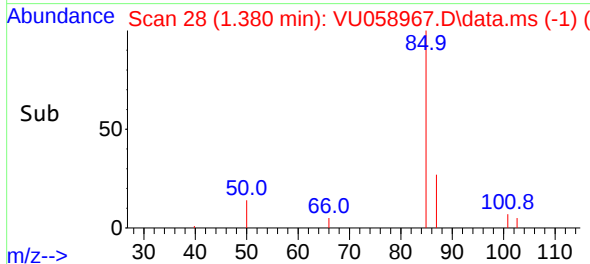
Instrument : MSVOA\_U  
ClientSampleId : VU058967.D  
MDL-WATER-QT2-2024-04



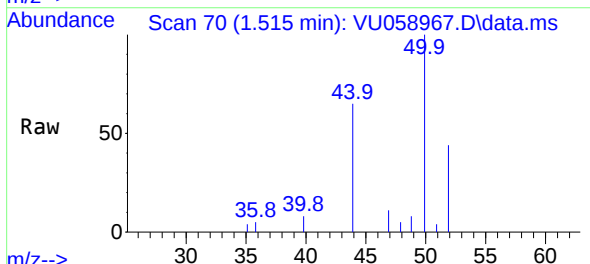
Tgt Ion: 85 Resp: 329  
Ion Ratio Lower Upper  
85 100  
87 27.1 25.7 38.5

Manual Integrations  
APPROVED

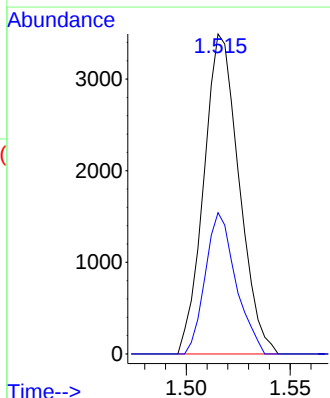
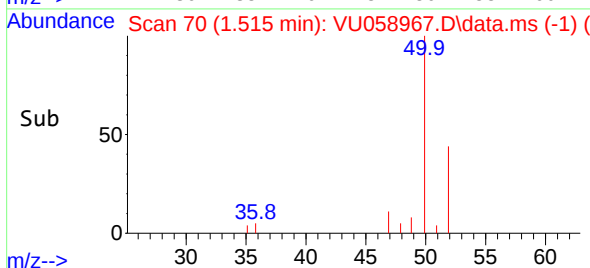
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024

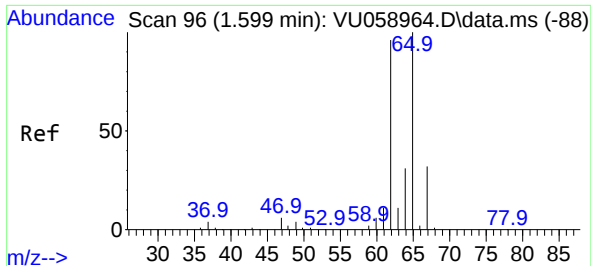


#3  
Chloromethane  
Concen: 3.232 ug/L  
RT: 1.515 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42



Tgt Ion: 50 Resp: 4113  
Ion Ratio Lower Upper  
50 100  
52 44.1 23.9 44.3





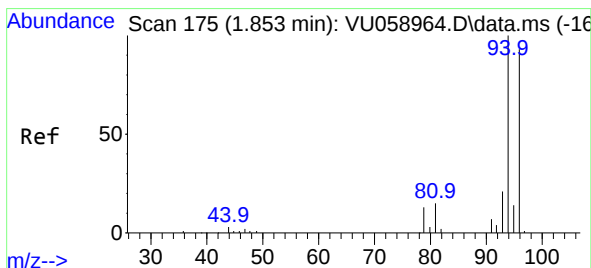
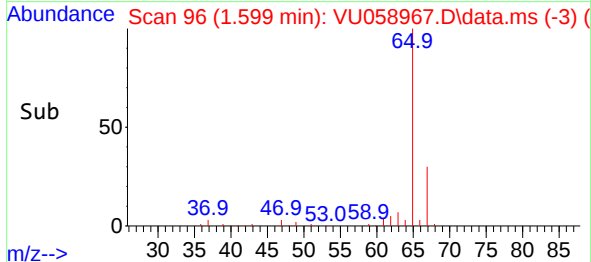
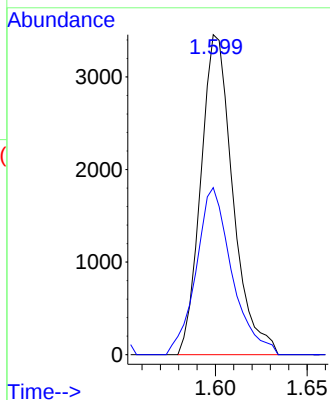
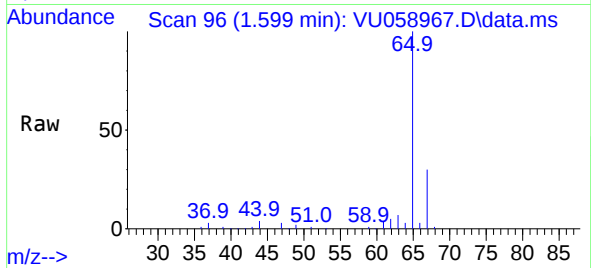
#5  
 Vinyl chloride  
 Concen: 2.828 ug/L  
 RT: 1.599 min Scan# 96  
 Delta R.T. -0.000 min  
 Lab File: VU058967.D  
 Acq: 24 May 2024 13:42

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT2-2024-04

Tgt Ion: 62 Resp: 420  
 Ion Ratio Lower Upper  
 62 100  
 64 52.2 23.7 43.9

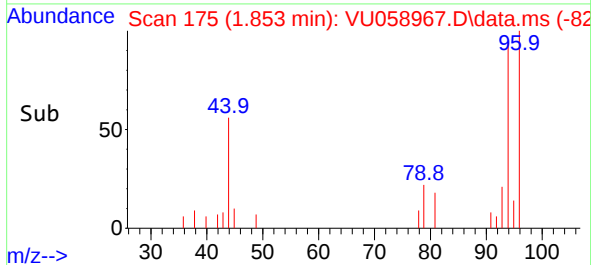
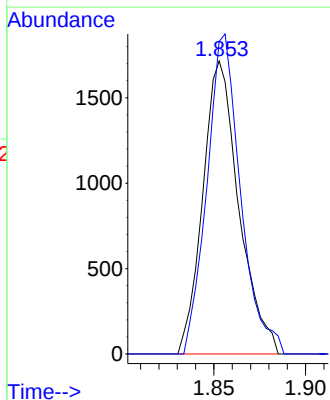
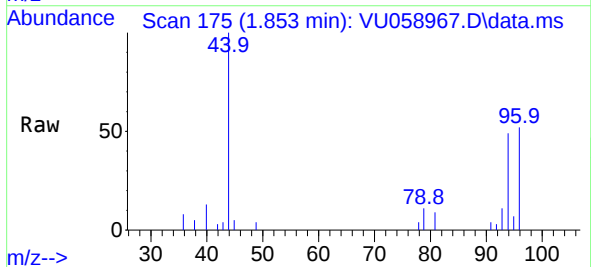
Manual Integrations  
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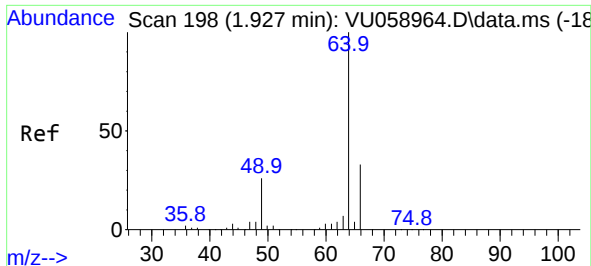
Reviewed By :Semsettin Yesilyurt 05/27/2024  
 Supervised By :Mahesh Dadoda 05/27/2024



#6  
 Bromomethane  
 Concen: 2.670 ug/L  
 RT: 1.853 min Scan# 175  
 Delta R.T. -0.000 min  
 Lab File: VU058967.D  
 Acq: 24 May 2024 13:42

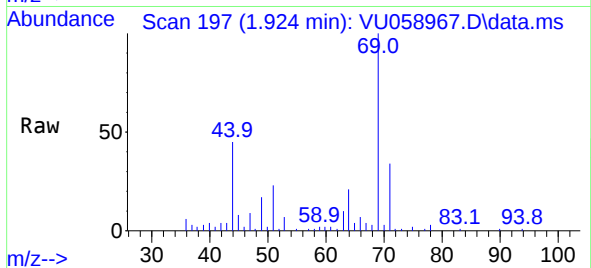
Tgt Ion: 94 Resp: 2352  
 Ion Ratio Lower Upper  
 94 100  
 96 106.6 66.6 123.6





#8  
Chloroethane  
Concen: 4.237 ug/L  
RT: 1.924 min Scan# 198  
Delta R.T. -0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

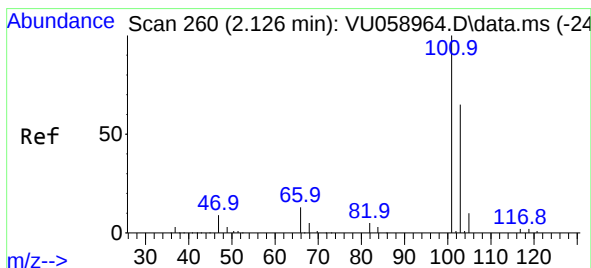
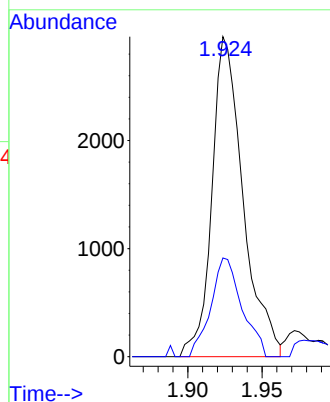
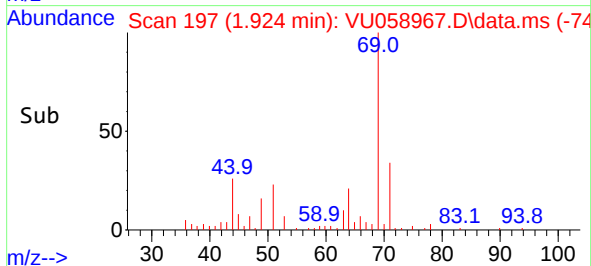
Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04



Tgt Ion: 64 Resp: 4319  
Ion Ratio Lower Upper  
64 100  
66 30.8 22.7 42.1

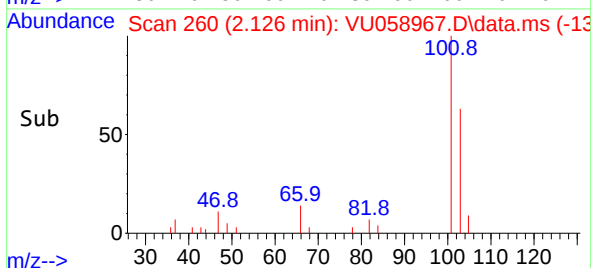
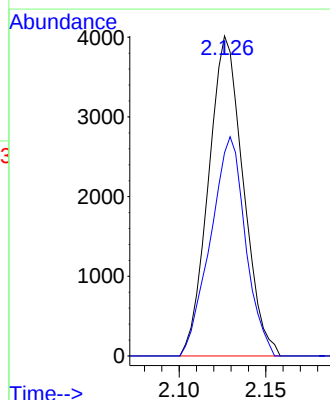
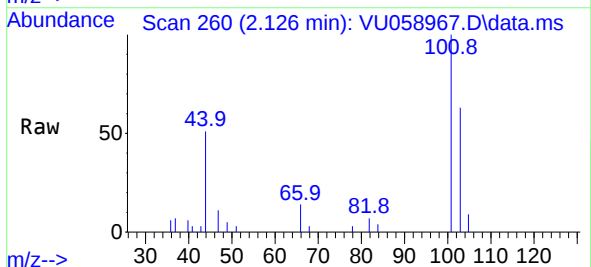
Manual Integrations  
APPROVED

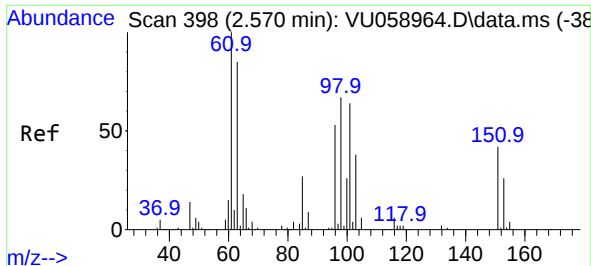
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#9  
Trichlorofluoromethane  
Concen: 2.773 ug/L  
RT: 2.126 min Scan# 260  
Delta R.T. -0.000 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Tgt Ion:101 Resp: 5605  
Ion Ratio Lower Upper  
101 100  
103 69.0 51.6 77.4





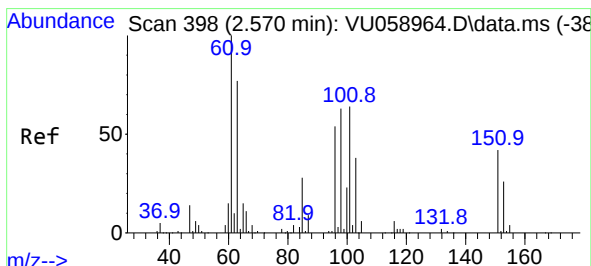
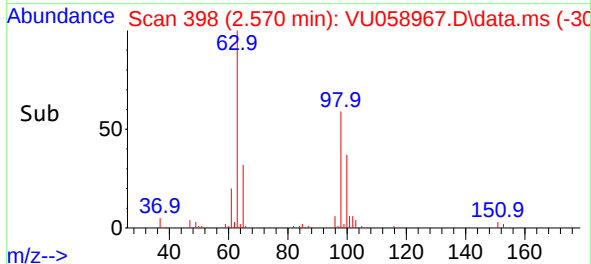
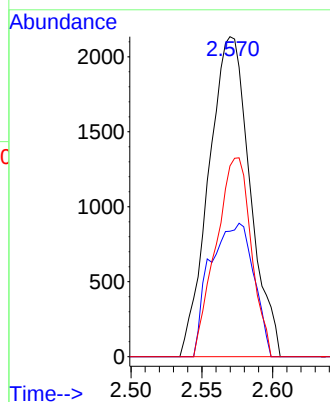
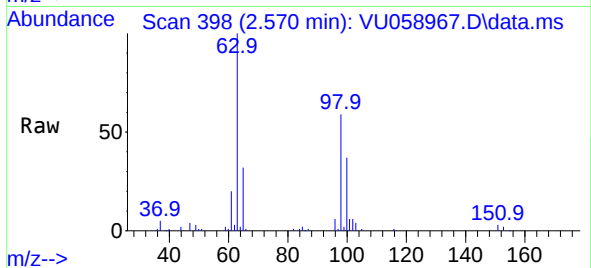
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1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 3.147 ug/L  
RT: 2.570 min Scan# 398  
Delta R.T. -0.000 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04

Tgt Ion:101 Resp: 4329  
Ion Ratio Lower Upper  
101 100  
85 8.7 34.9 52.3  
151 53.1 54.5 81.7

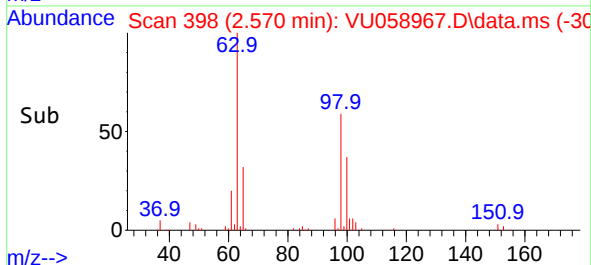
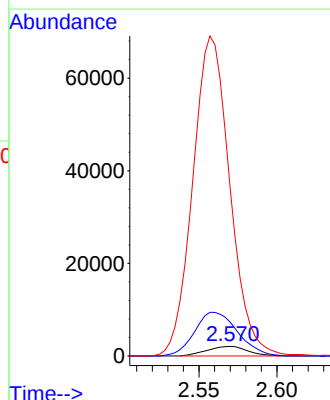
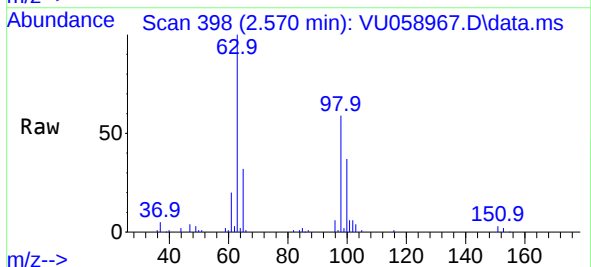
Manual Integrations  
APPROVED

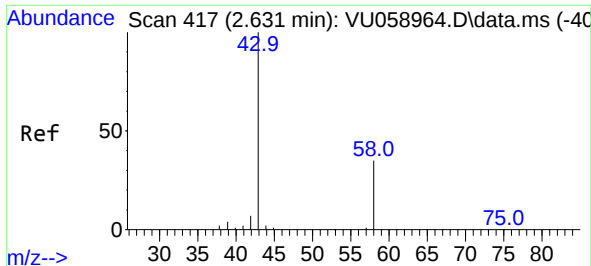
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#12  
1,1-Dichloroethene  
Concen: 3.423 ug/L  
RT: 2.570 min Scan# 398  
Delta R.T. -0.000 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Tgt Ion: 96 Resp: 3764  
Ion Ratio Lower Upper  
96 100  
61 352.2 122.2 227.0#  
63 1754.4 102.8 190.8#





#13

Acetone

Concen: 5.460 ug/L

RT: 2.641 min Scan# 41

Delta R.T. 0.009 min

Lab File: VU058967.D

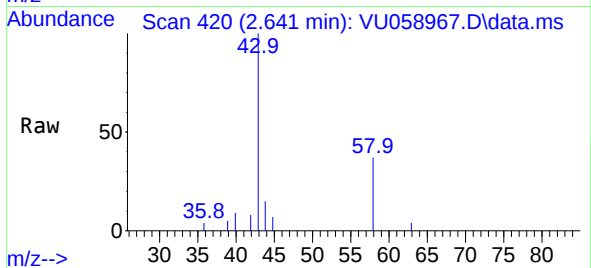
Acq: 24 May 2024 13:42

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-QT2-2024-04



Tgt Ion: 43 Resp: 6209

Ion Ratio Lower Upper

43 100

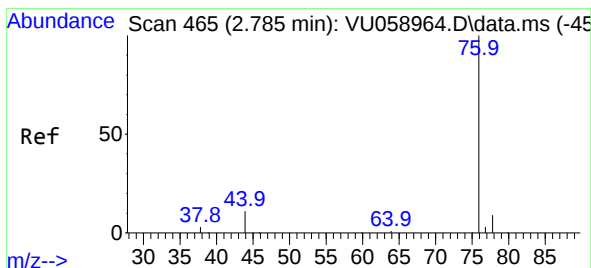
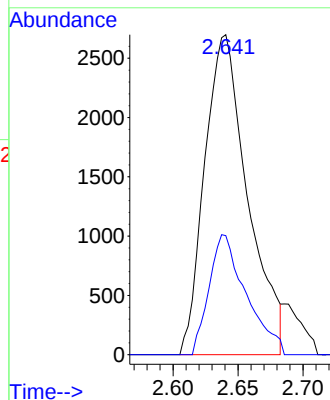
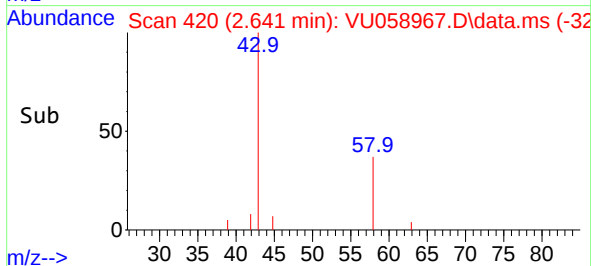
58 32.4 0.0 67.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024

Supervised By :Mahesh Dadoda 05/27/2024



#14

Carbon disulfide

Concen: 2.706 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.003 min

Lab File: VU058967.D

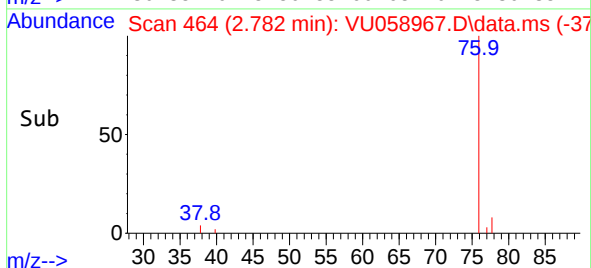
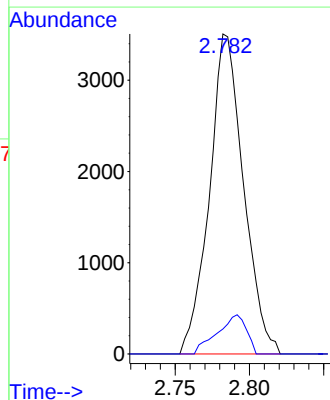
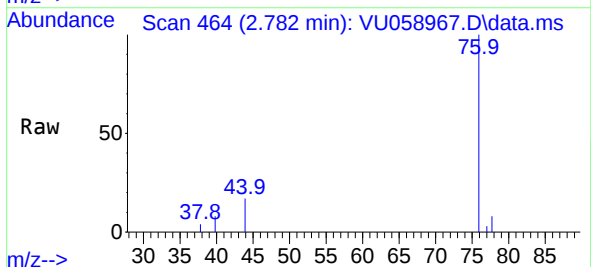
Acq: 24 May 2024 13:42

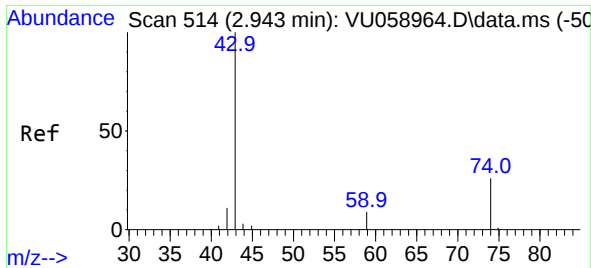
Tgt Ion: 76 Resp: 5598

Ion Ratio Lower Upper

76 100

78 7.8 7.1 10.7





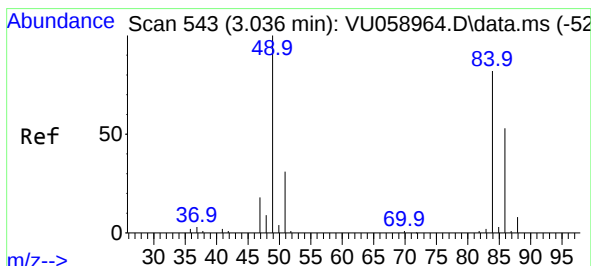
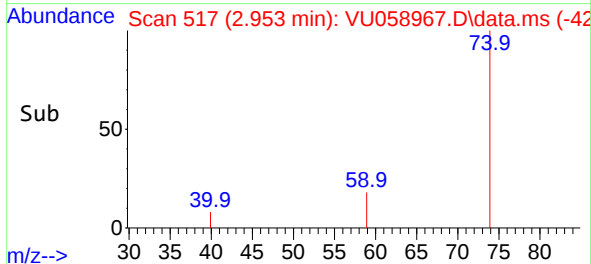
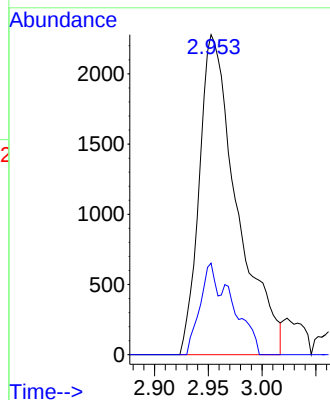
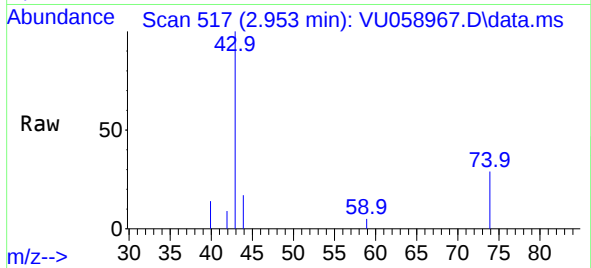
#15  
Methyl Acetate  
Concen: 3.028 ug/L  
RT: 2.953 min Scan# 514  
Delta R.T. 0.009 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04

Tgt Ion: 43 Resp: 554  
Ion Ratio Lower Upper  
43 100  
74 12.7 19.8 29.8

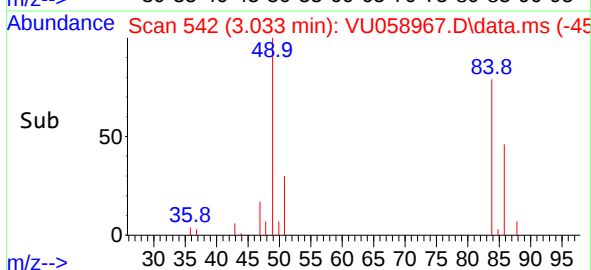
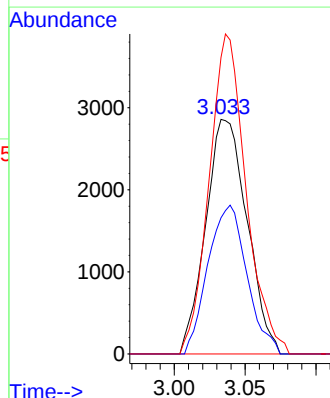
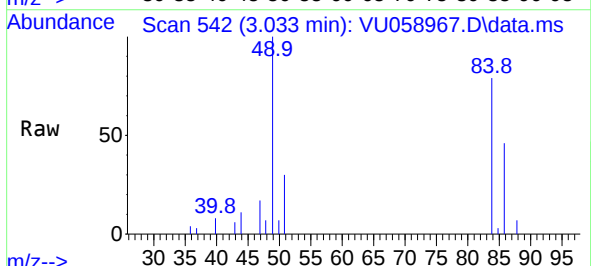
Manual Integrations  
APPROVED

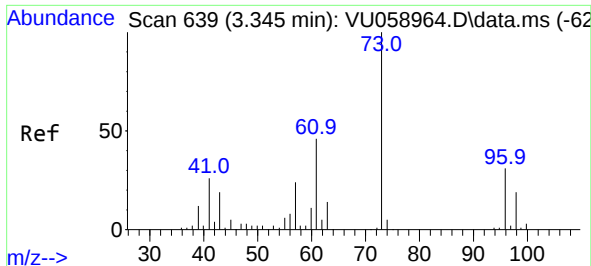
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#16  
Methylene chloride  
Concen: 3.314 ug/L  
RT: 3.033 min Scan# 542  
Delta R.T. -0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

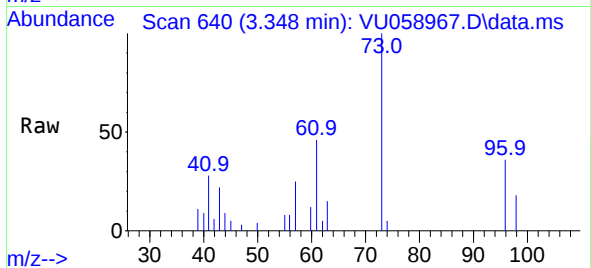
Tgt Ion: 84 Resp: 5814  
Ion Ratio Lower Upper  
84 100  
86 58.0 44.9 83.5  
49 126.4 85.4 158.6





#17  
trans-1,2-Dichloroethene  
Concen: 2.680 ug/L m  
RT: 3.348 min Scan# 640  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

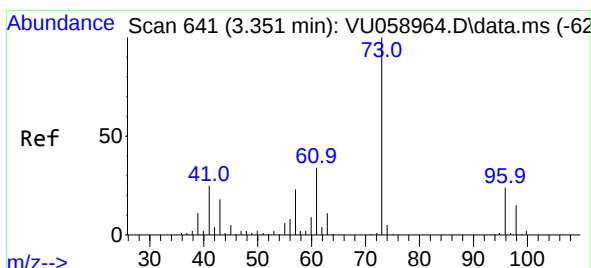
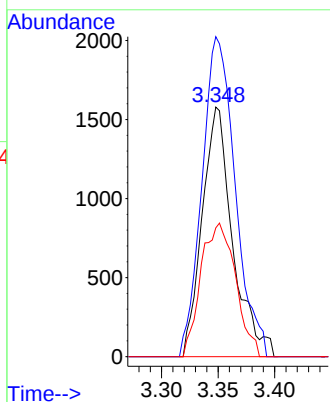
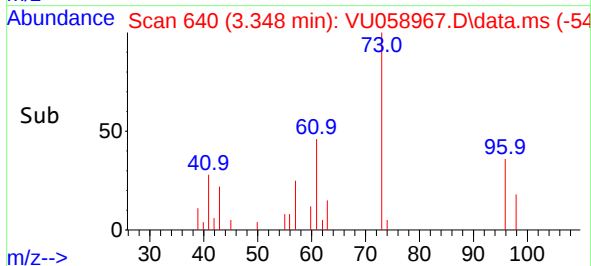
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04



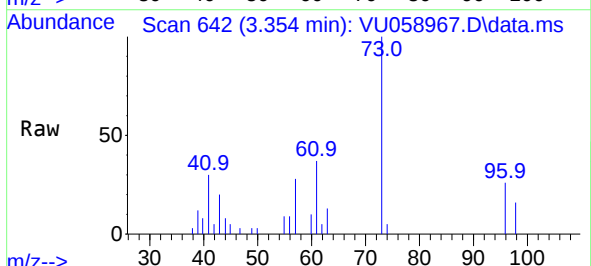
Tgt Ion: 96 Resp: 296  
Ion Ratio Lower Upper  
96 100  
61 128.2 103.5 192.1  
98 51.6 44.9 83.3

Manual Integrations  
APPROVED

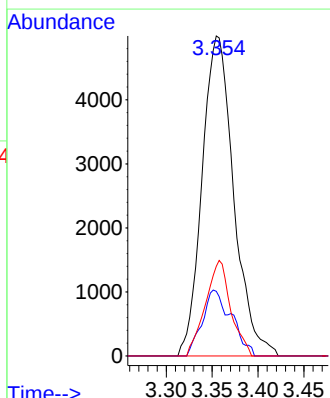
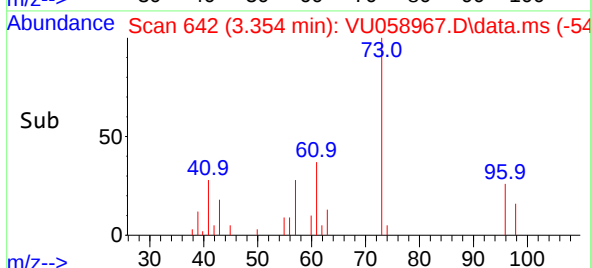
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024

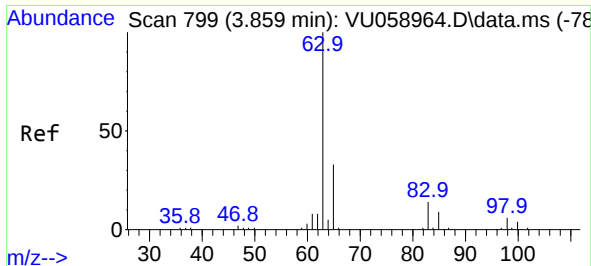


#18  
Methyl tert-butyl Ether  
Concen: 2.741 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42



Tgt Ion: 73 Resp: 11986  
Ion Ratio Lower Upper  
73 100  
43 13.4 15.4 23.2#  
57 23.9 18.6 27.8





#19

1,1-Dichloroethane

Concen: 2.733 ug/L m

RT: 3.856 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU058967.D

Acq: 24 May 2024 13:42

Instrument :

MSVOA\_U

ClientSampleId :

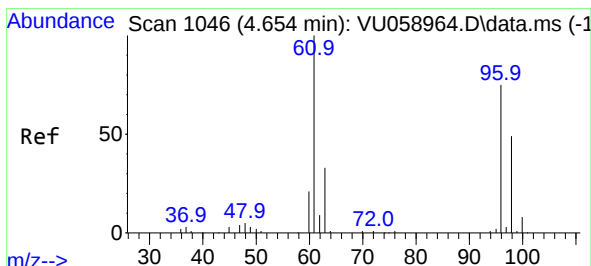
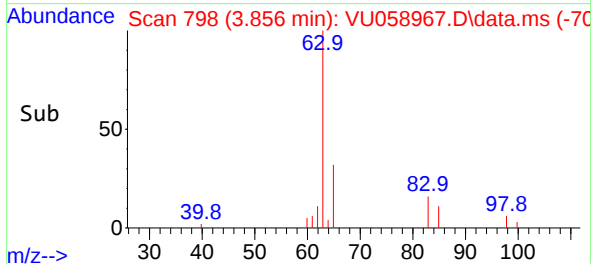
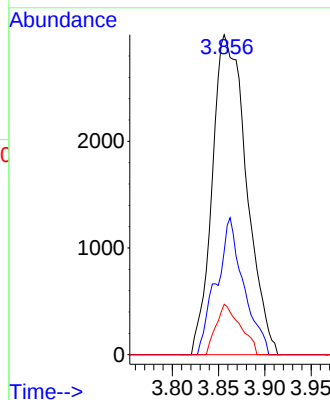
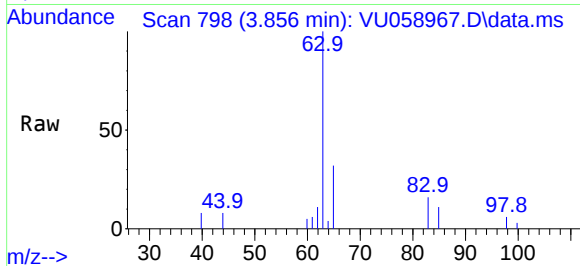
MDL-WATER-QT2-2024-04

|             |                |
|-------------|----------------|
| Tgt Ion: 63 | Resp: 769      |
| Ion Ratio   | Lower Upper    |
| 63          | 100            |
| 65          | 32.4 22.3 41.3 |
| 83          | 15.7 8.5 15.9  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#20

cis-1,2-Dichloroethene

Concen: 2.685 ug/L

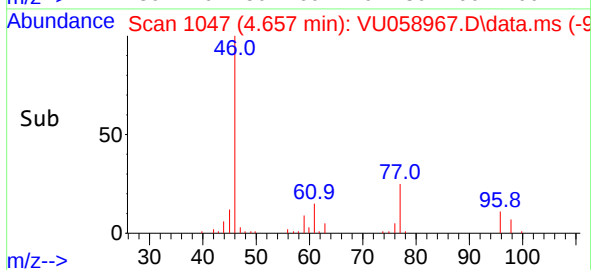
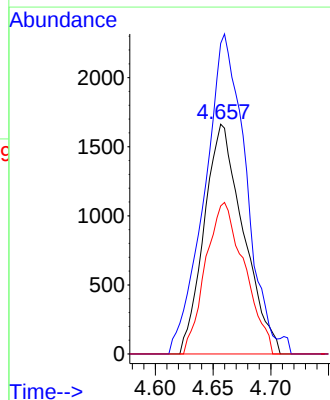
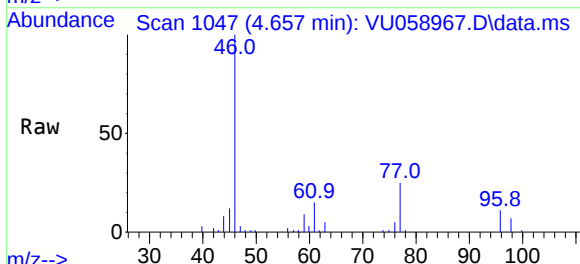
RT: 4.657 min Scan# 1047

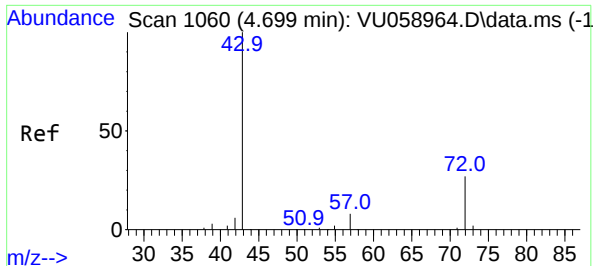
Delta R.T. 0.003 min

Lab File: VU058967.D

Acq: 24 May 2024 13:42

|             |                  |
|-------------|------------------|
| Tgt Ion: 96 | Resp: 3926       |
| Ion Ratio   | Lower Upper      |
| 96          | 100              |
| 61          | 135.2 91.1 169.3 |
| 98          | 64.4 44.4 82.4   |





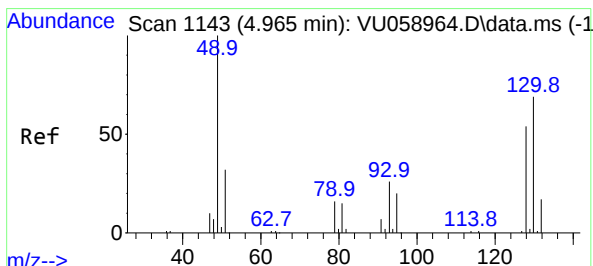
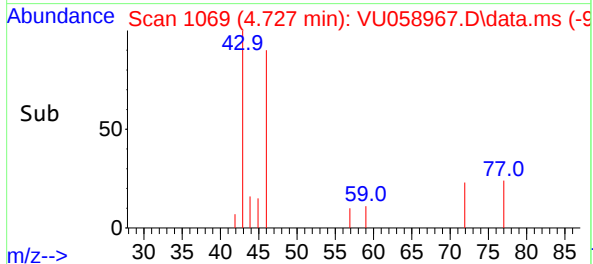
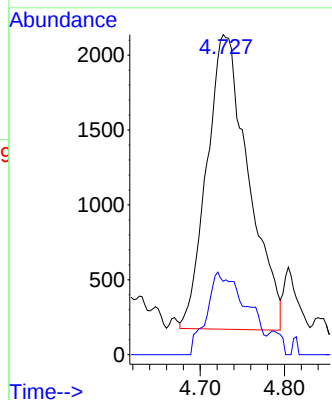
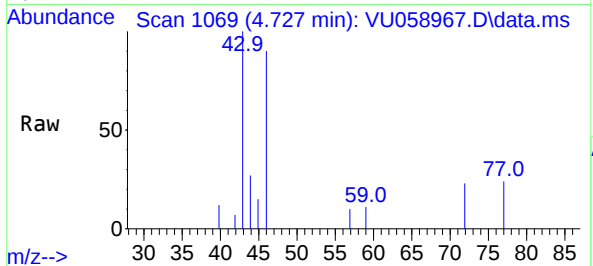
#22  
2-Butanone  
Concen: 4.549 ug/L  
RT: 4.727 min Scan# 1069  
Delta R.T. 0.029 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04

Tgt Ion: 43 Resp: 6738  
Ion Ratio Lower Upper  
43 100  
72 14.2 13.9 41.7

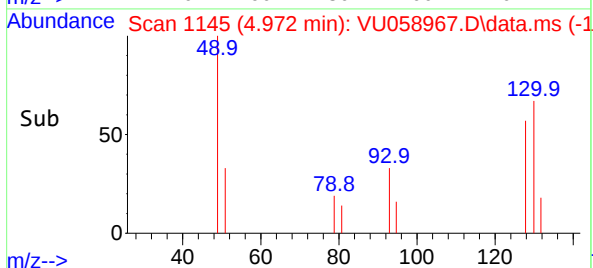
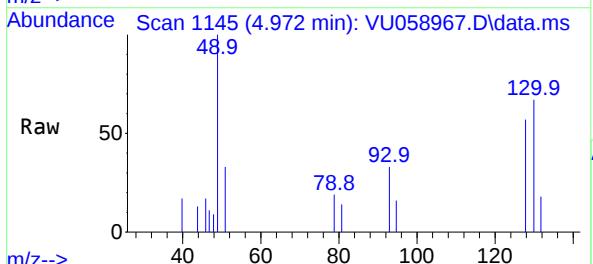
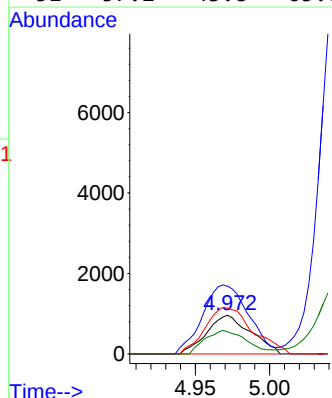
Manual Integrations  
APPROVED

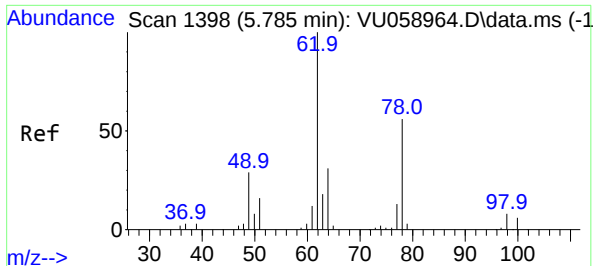
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#23  
Bromochloromethane  
Concen: 2.589 ug/L  
RT: 4.972 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Tgt Ion:128 Resp: 1974  
Ion Ratio Lower Upper  
128 100  
49 175.1 123.8 229.8  
130 118.1 90.6 168.2  
51 57.2 43.8 65.6





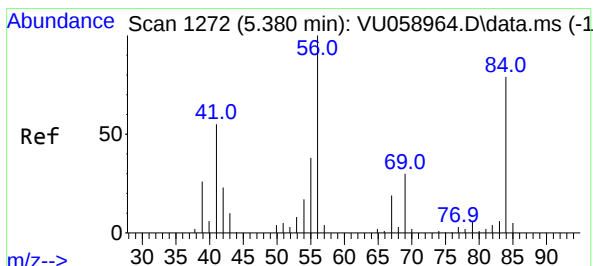
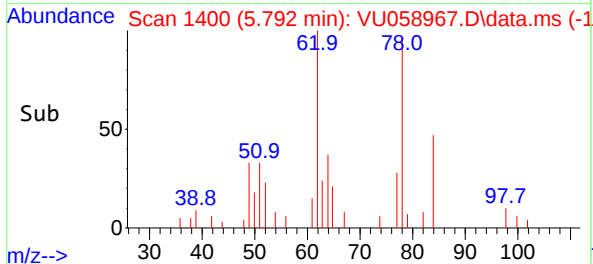
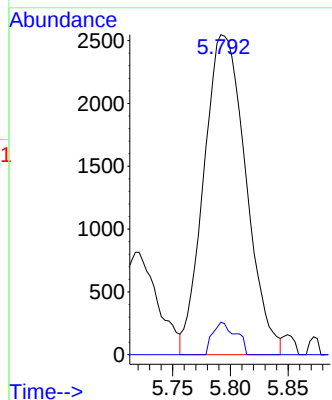
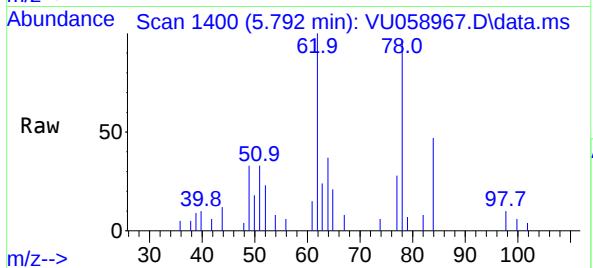
#27  
1,2-Dichloroethane  
Concen: 2.835 ug/L  
RT: 5.792 min Scan# 1400  
Delta R.T. 0.006 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04

Tgt Ion: 62 Resp: 643  
Ion Ratio Lower Upper  
62 100  
98 10.2 7.0 10.4

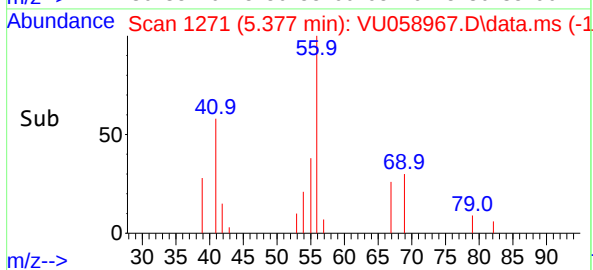
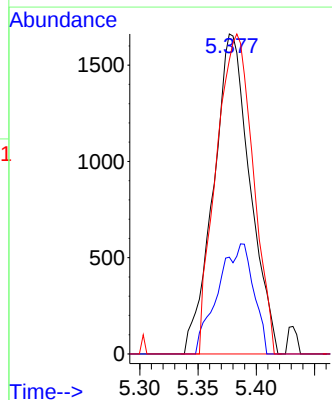
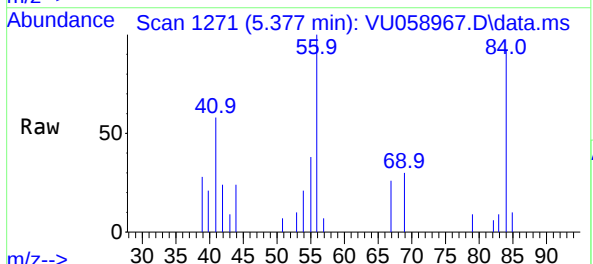
Manual Integrations  
APPROVED

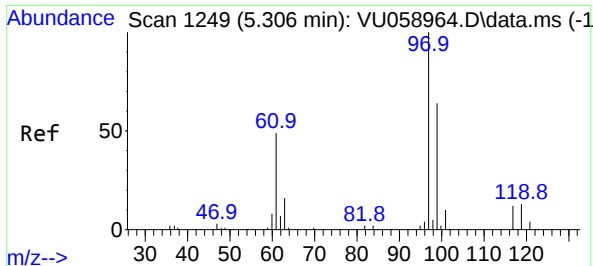
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#29  
Cyclohexane  
Concen: 2.429 ug/L m  
RT: 5.377 min Scan# 1271  
Delta R.T. -0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

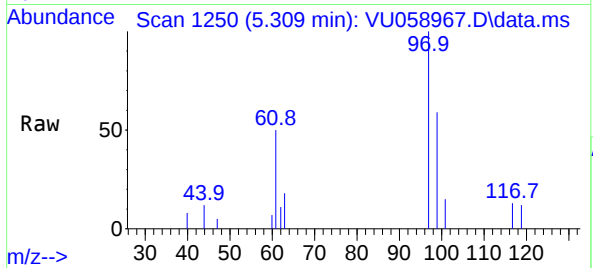
Tgt Ion: 56 Resp: 3623  
Ion Ratio Lower Upper  
56 100  
69 16.8 24.3 36.5#  
84 100.9 66.7 100.1#





#30  
1,1,1-Trichloroethane  
Concen: 2.688 ug/L  
RT: 5.309 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

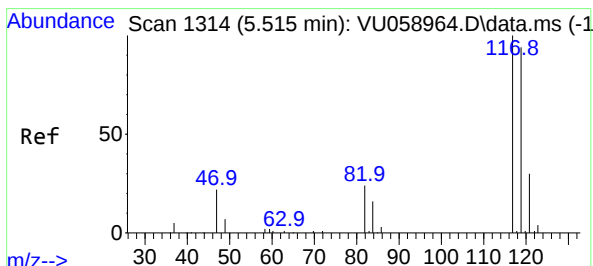
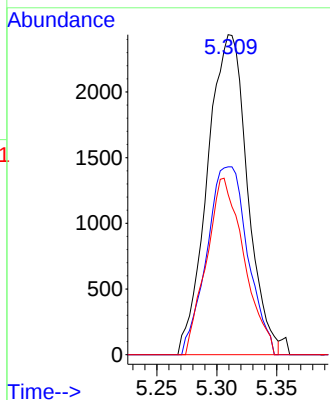
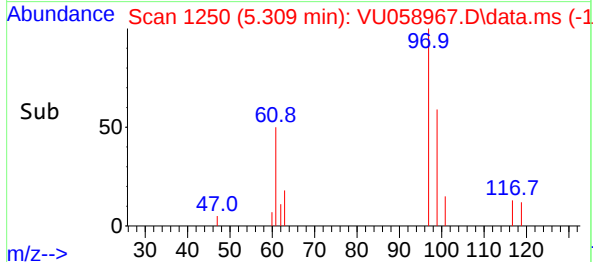
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04



Tgt Ion: 97 Resp: 5654  
Ion Ratio Lower Upper  
97 100  
99 60.1 51.8 77.8  
61 51.7 38.9 58.3

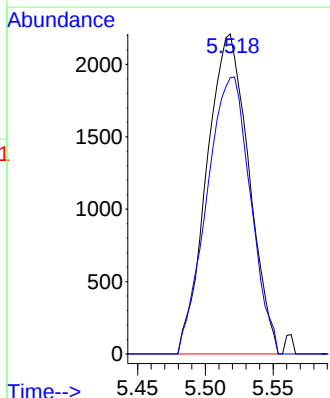
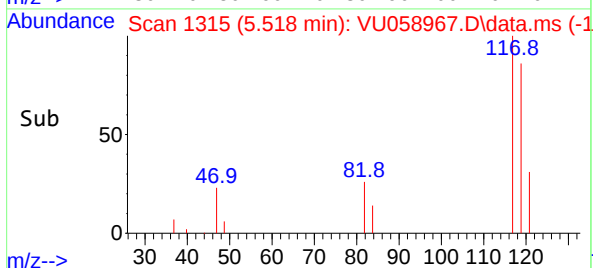
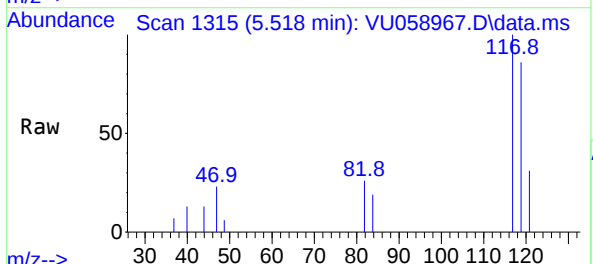
Manual Integrations  
APPROVED

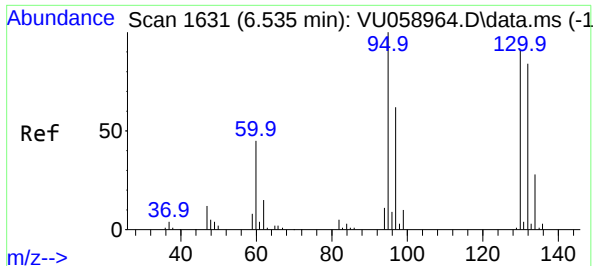
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#31  
Carbon tetrachloride  
Concen: 2.806 ug/L  
RT: 5.518 min Scan# 1315  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

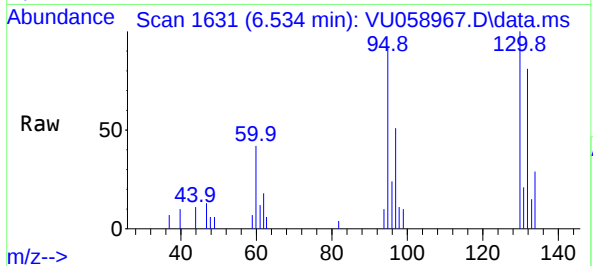
Tgt Ion:117 Resp: 4768  
Ion Ratio Lower Upper  
117 100  
119 89.8 77.4 116.0





#34  
Trichloroethene  
Concen: 4.268 ug/L  
RT: 6.534 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

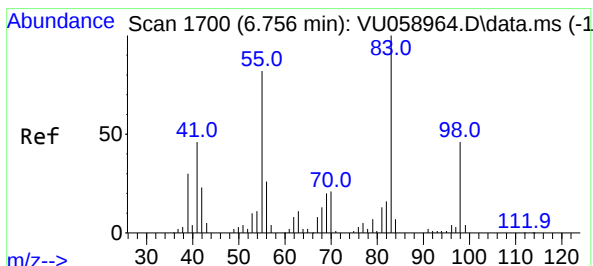
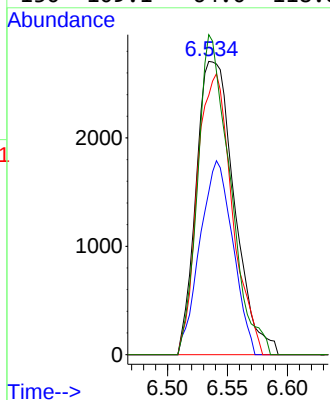
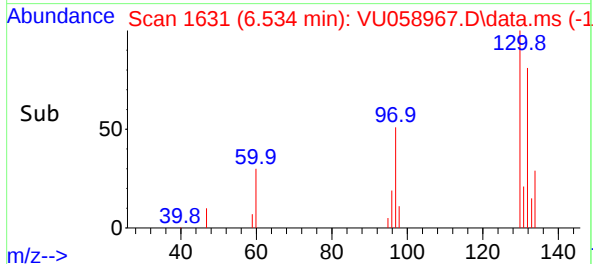
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04



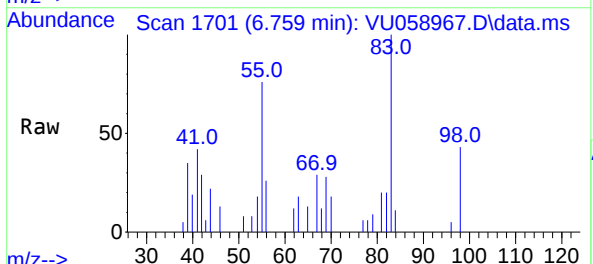
Tgt Ion: 95 Resp: 5969  
Ion Ratio Lower Upper  
95 100  
97 55.5 45.9 85.3  
132 88.4 60.5 112.5  
130 109.1 64.0 118.8

Manual Integrations  
APPROVED

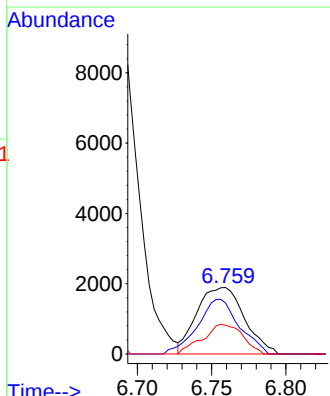
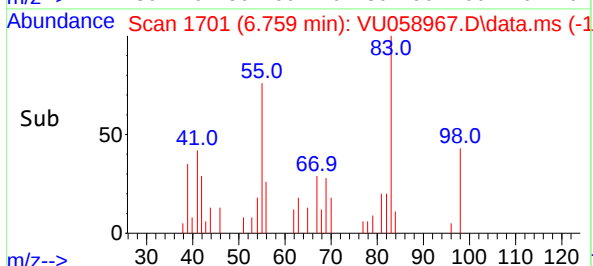
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024

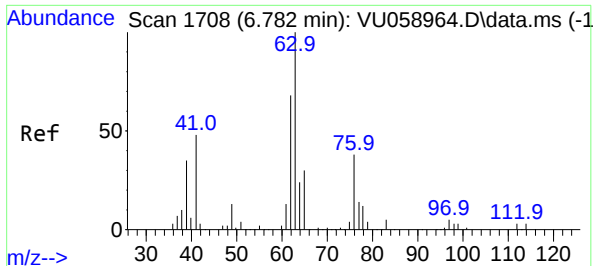


#35  
Methylcyclohexane  
Concen: 2.568 ug/L  
RT: 6.759 min Scan# 1701  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42



Tgt Ion: 83 Resp: 4209  
Ion Ratio Lower Upper  
83 100  
55 71.8 61.5 92.3  
98 37.5 36.2 54.2





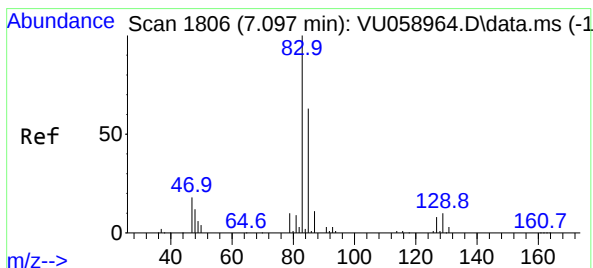
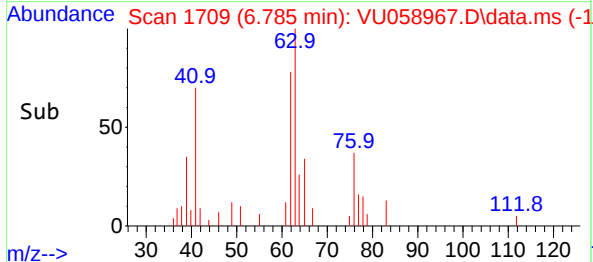
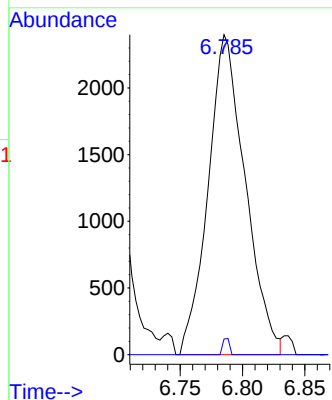
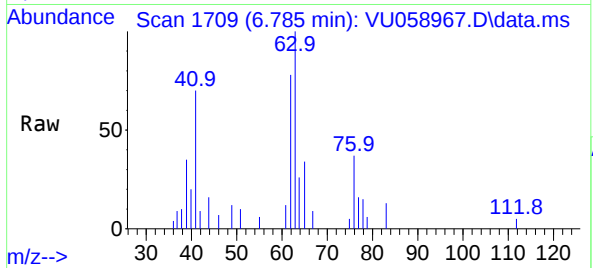
#37  
1,2-Dichloropropane  
Concen: 2.906 ug/L  
RT: 6.785 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04

Tgt Ion: 63 Resp: 497  
Ion Ratio Lower Upper  
63 100  
112 0.9 2.5 3.7

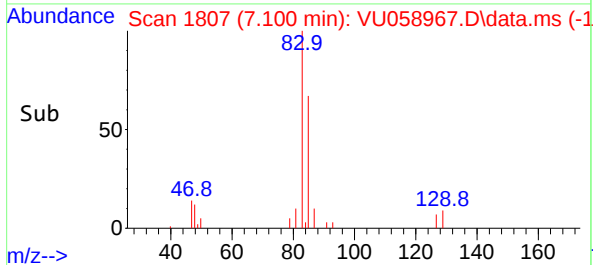
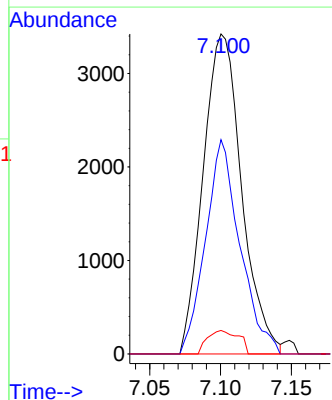
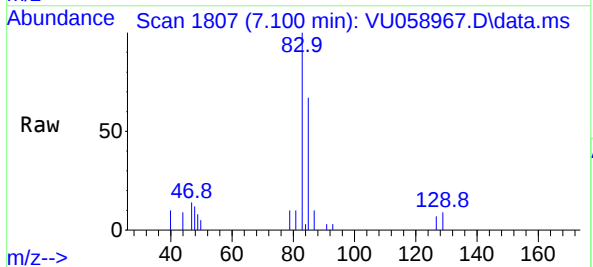
Manual Integrations  
APPROVED

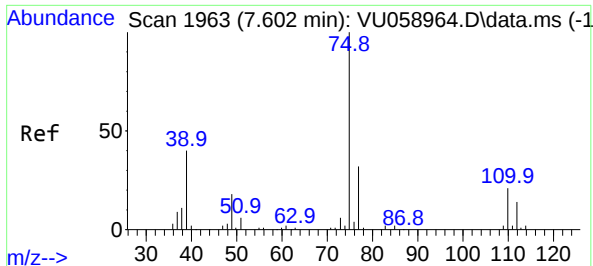
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#38  
Bromodichloromethane  
Concen: 3.035 ug/L  
RT: 7.100 min Scan# 1807  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Tgt Ion: 83 Resp: 6460  
Ion Ratio Lower Upper  
83 100  
85 66.9 43.5 80.9  
127 7.3 5.8 8.6





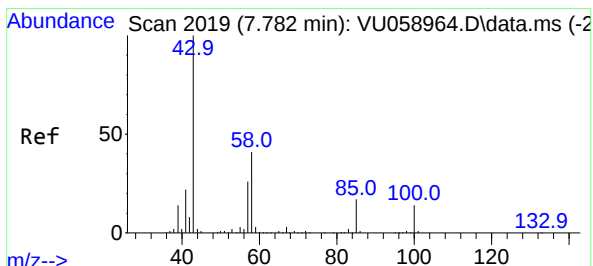
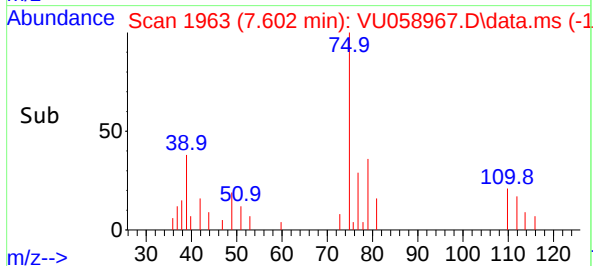
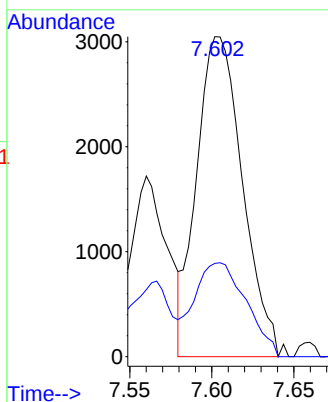
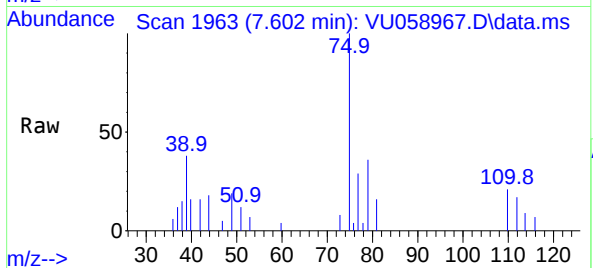
#39  
cis-1,3-Dichloropropene  
Concen: 2.509 ug/L  
RT: 7.602 min Scan# 1963  
Delta R.T. -0.000 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04

Tgt Ion: 75 Resp: 5919  
Ion Ratio Lower Upper  
75 100  
77 28.0 22.5 41.7

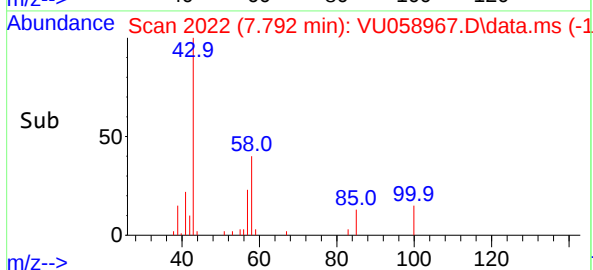
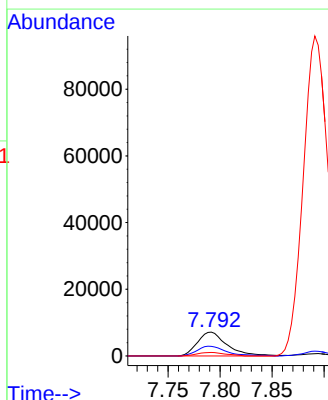
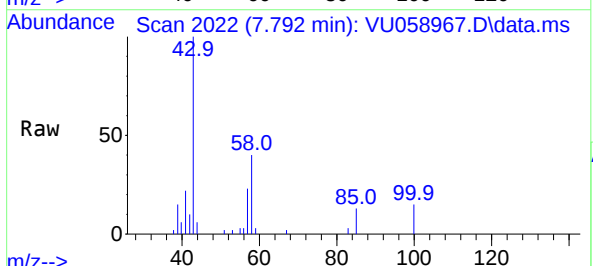
Manual Integrations  
APPROVED

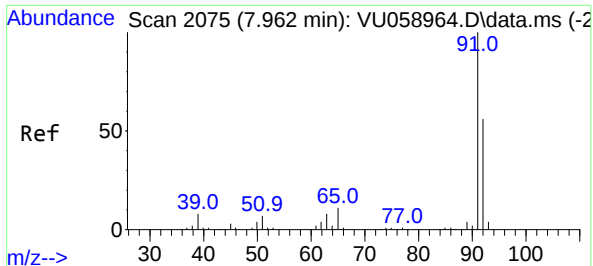
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#40  
4-Methyl-2-pentanone  
Concen: 5.821 ug/L  
RT: 7.792 min Scan# 2022  
Delta R.T. 0.009 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

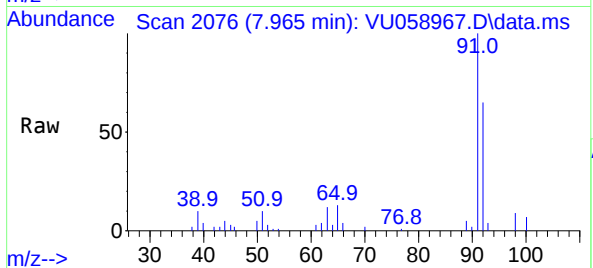
Tgt Ion: 43 Resp: 14209  
Ion Ratio Lower Upper  
43 100  
58 40.4 33.5 50.3  
100 14.3 11.8 17.8





#42  
Toluene  
Concen: 2.627 ug/L  
RT: 7.965 min Scan# 2075  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

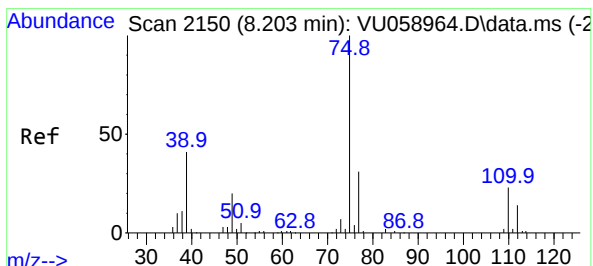
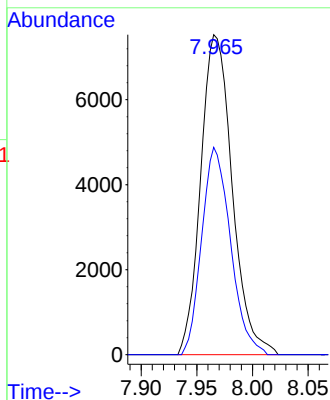
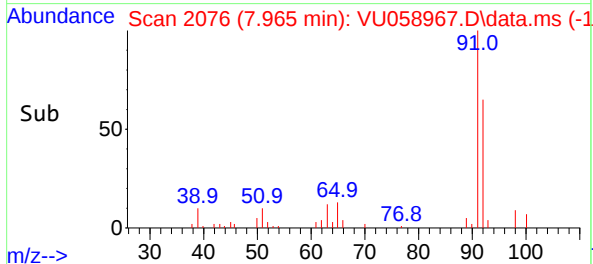
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04



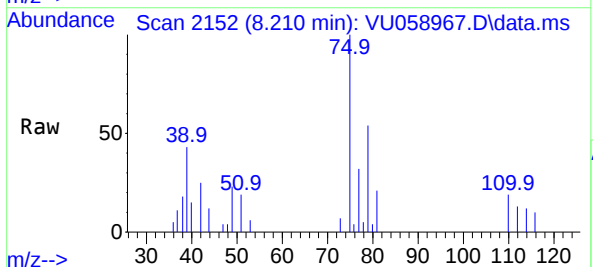
Tgt Ion: 91 Resp: 1483  
Ion Ratio Lower Upper  
91 100  
92 64.8 38.7 71.9

Manual Integrations  
APPROVED

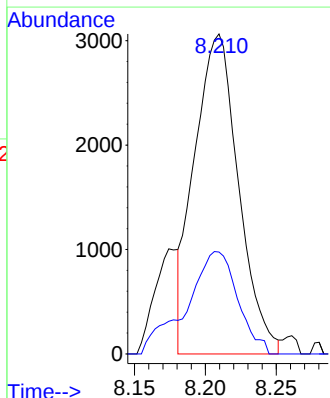
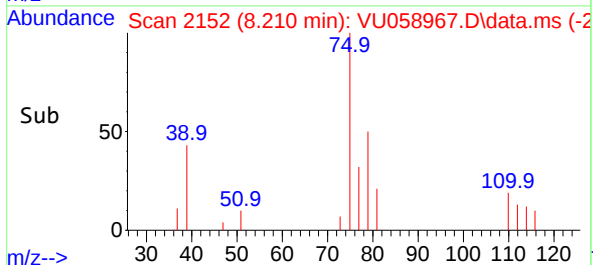
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024

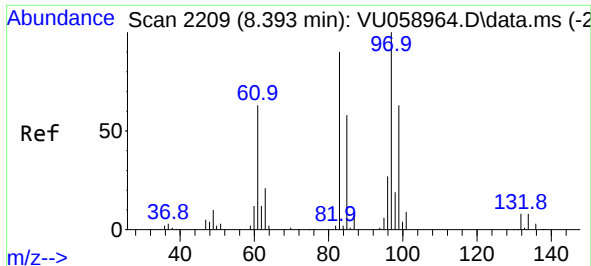


#44  
trans-1,3-Dichloropropene  
Concen: 2.972 ug/L  
RT: 8.210 min Scan# 2152  
Delta R.T. 0.006 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42



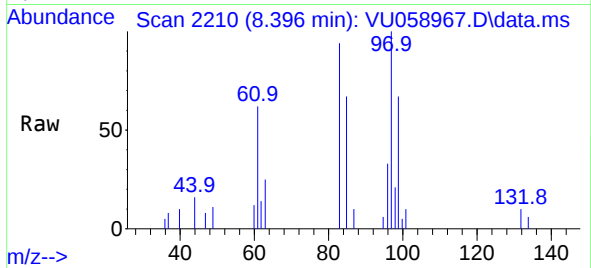
Tgt Ion: 75 Resp: 6637  
Ion Ratio Lower Upper  
75 100  
77 30.7 23.0 42.8





#45  
1,1,2-Trichloroethane  
Concen: 2.733 ug/L  
RT: 8.396 min Scan# 2110  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

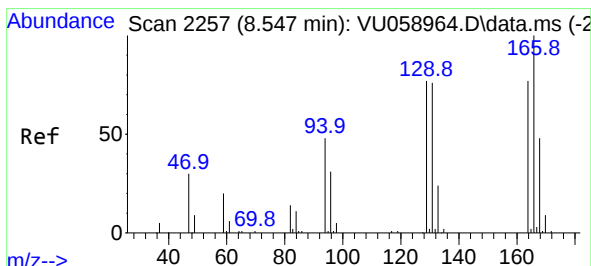
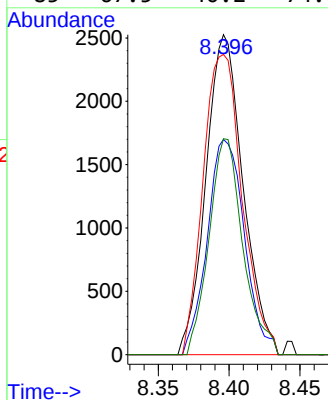
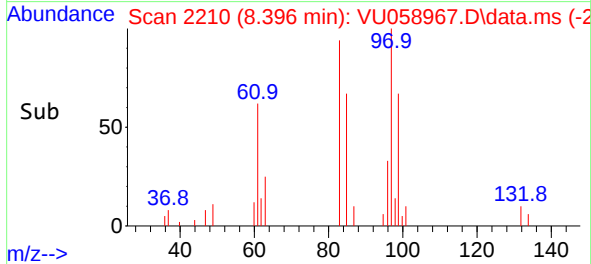
Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04



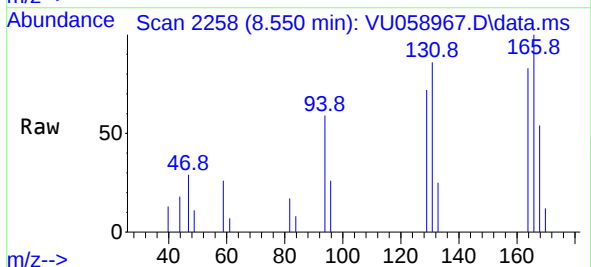
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 67.3  | 42.6  | 79.2  |
| 83      | 93.8  | 62.2  | 115.6 |
| 85      | 67.5  | 40.2  | 74.6  |

Manual Integrations  
APPROVED

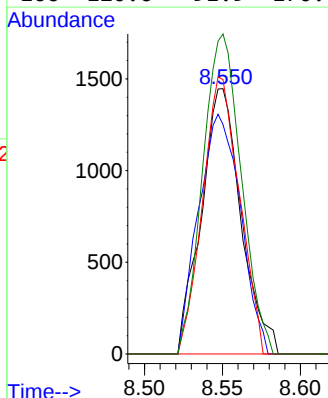
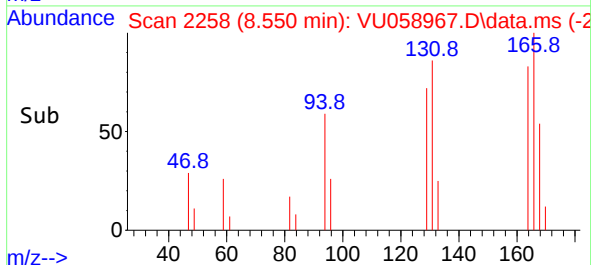
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024

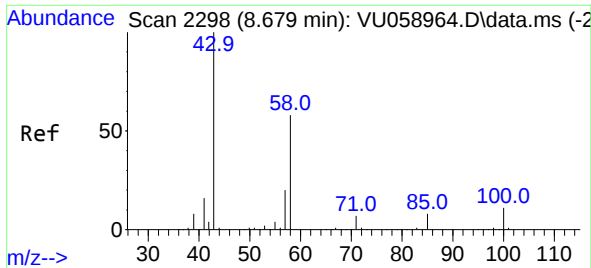


#46  
Tetrachloroethene  
Concen: 2.750 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42



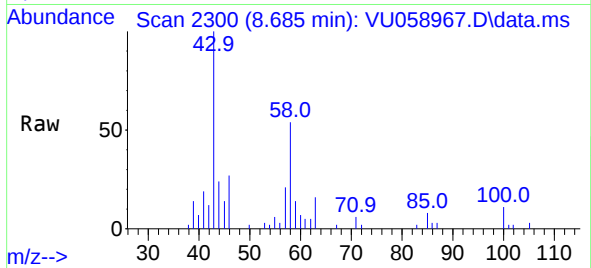
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 86.5  | 70.6  | 131.0 |
| 131     | 103.4 | 69.2  | 128.6 |
| 166     | 120.6 | 91.9  | 170.7 |





#48  
2-Hexanone  
Concen: 7.410 ug/L  
RT: 8.685 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

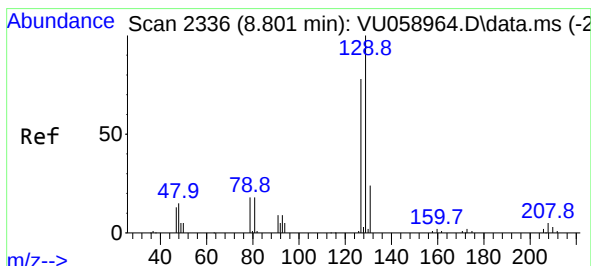
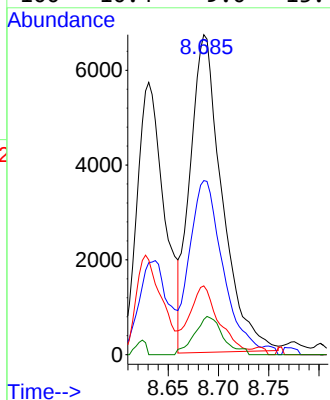
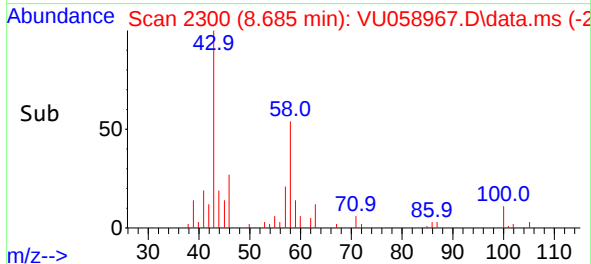
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04



Tgt Ion: 43 Resp: 14894  
Ion Ratio Lower Upper  
43 100  
58 56.8 47.8 71.6  
57 19.4 15.7 23.5  
100 10.4 9.0 13.4

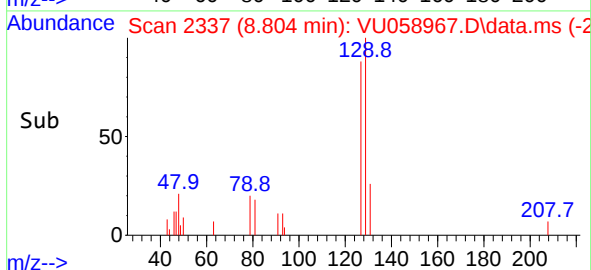
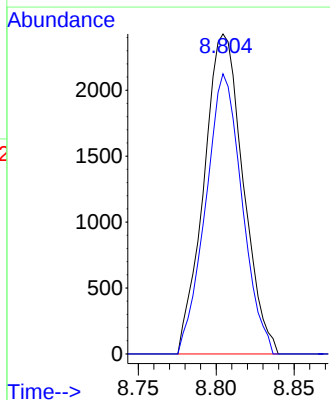
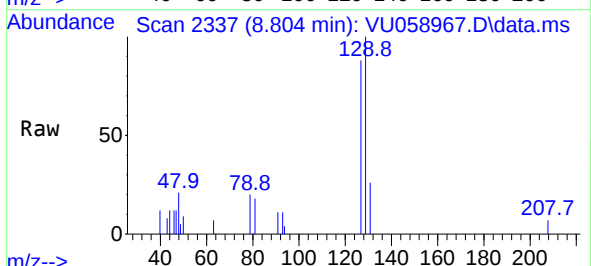
Manual Integrations  
APPROVED

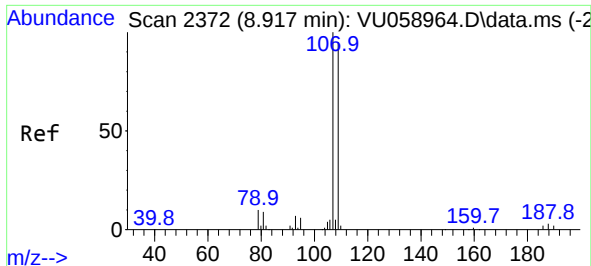
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#49  
Dibromochloromethane  
Concen: 2.632 ug/L  
RT: 8.804 min Scan# 2337  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

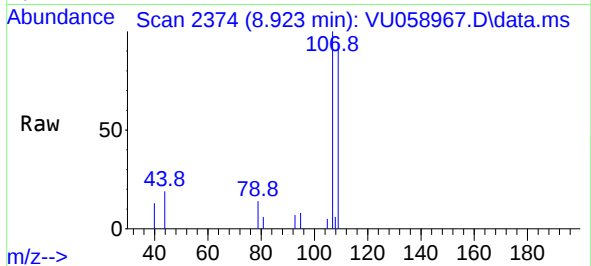
Tgt Ion:129 Resp: 4252  
Ion Ratio Lower Upper  
129 100  
127 87.6 56.8 105.4





#50  
1,2-Dibromoethane  
Concen: 2.740 ug/L  
RT: 8.923 min Scan# 2107  
Delta R.T. 0.006 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

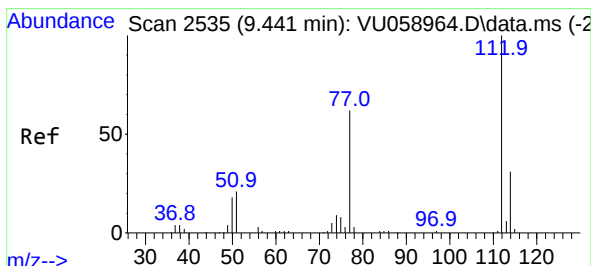
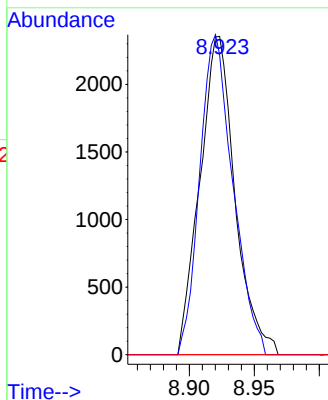
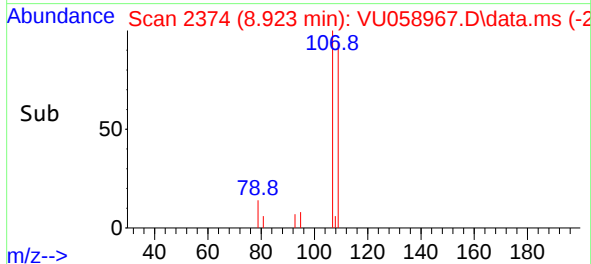
Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04



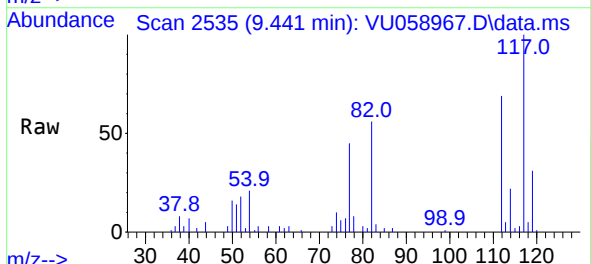
Tgt Ion:107 Resp: 442  
Ion Ratio Lower Upper  
107 100  
109 94.2 68.0 126.2  
188 0.0 2.6 3.8

Manual Integrations  
APPROVED

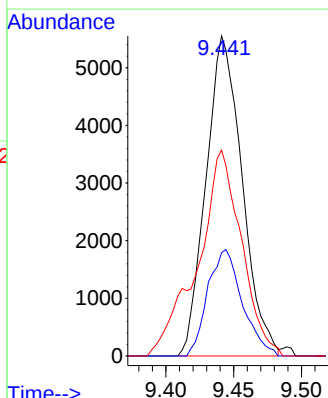
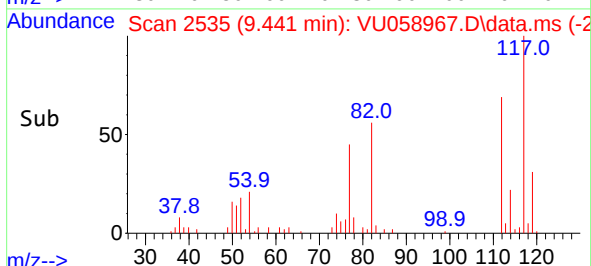
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024

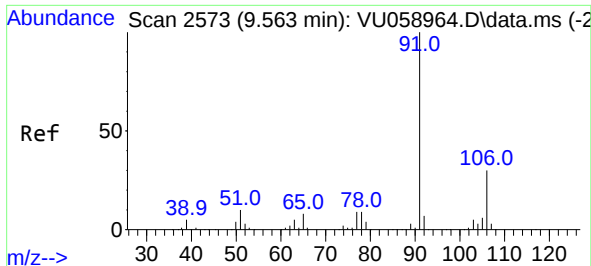


#51  
Chlorobenzene  
Concen: 2.754 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. -0.000 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42



Tgt Ion:112 Resp: 10283  
Ion Ratio Lower Upper  
112 100  
114 29.9 21.8 40.6  
77 59.7 48.8 73.2





#52

Ethylbenzene

Concen: 2.460 ug/L

RT: 9.566 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU058967.D

Acq: 24 May 2024 13:42

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-QT2-2024-04

Tgt Ion: 91 Resp: 15034

Ion Ratio Lower Upper

91 100

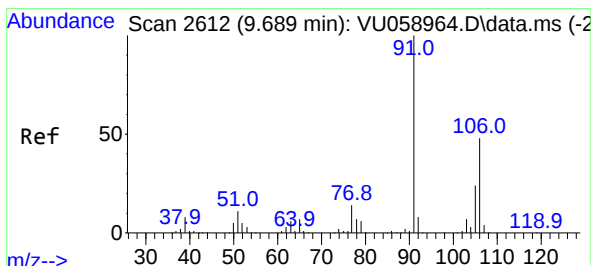
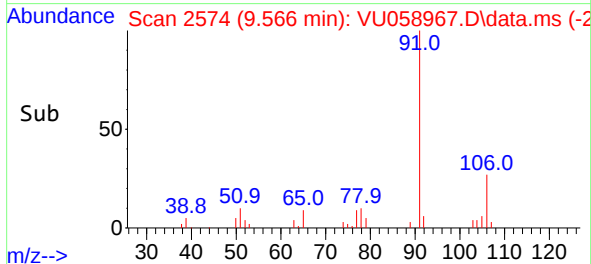
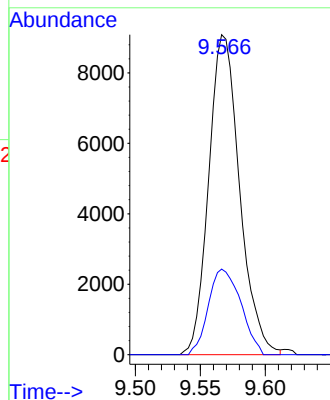
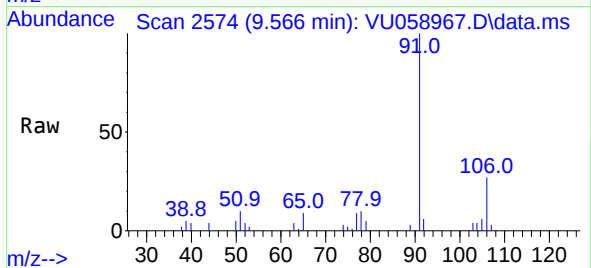
106 26.7 20.8 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024

Supervised By :Mahesh Dadoda 05/27/2024



#53

m,p-Xylene

Concen: 2.288 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.003 min

Lab File: VU058967.D

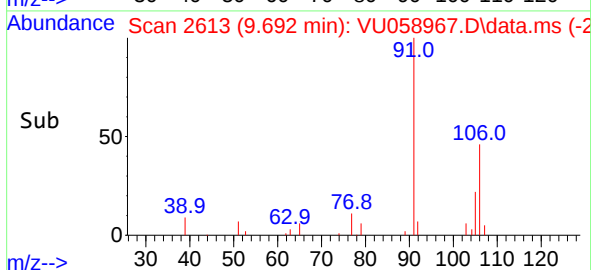
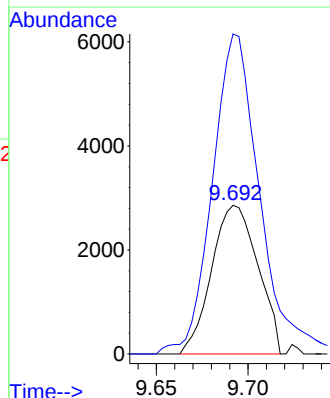
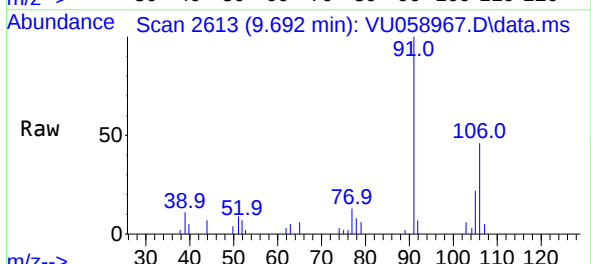
Acq: 24 May 2024 13:42

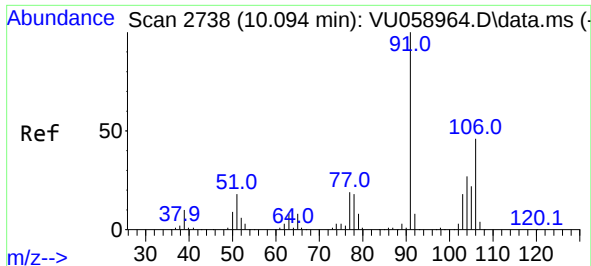
Tgt Ion:106 Resp: 5024

Ion Ratio Lower Upper

106 100

91 215.2 145.7 270.7





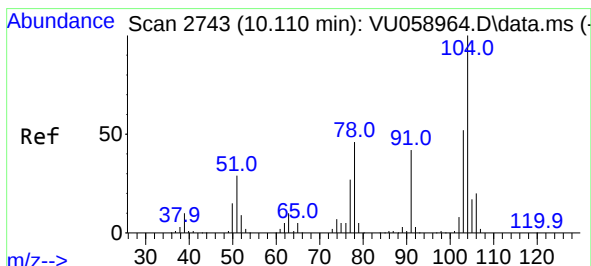
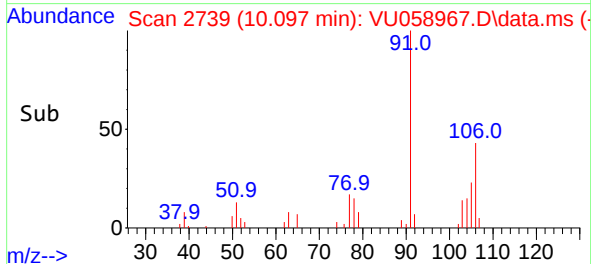
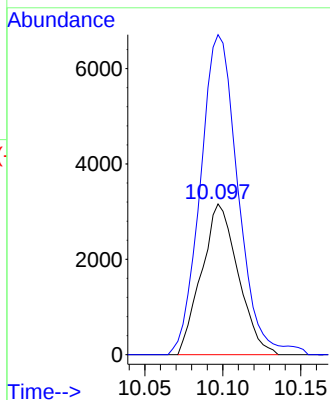
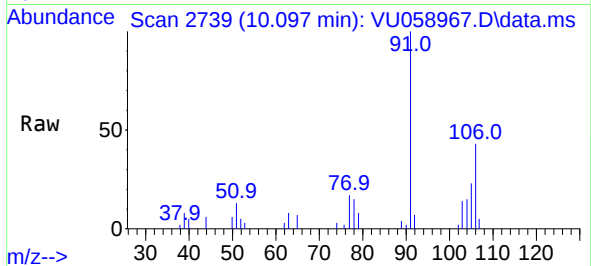
#54  
o-Xylene  
Concen: 2.349 ug/L  
RT: 10.097 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04

Tgt Ion:106 Resp: 5162  
Ion Ratio Lower Upper  
106 100  
91 212.3 154.0 286.0

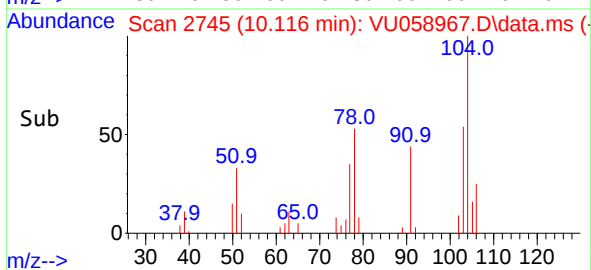
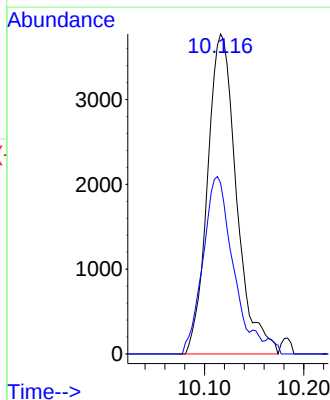
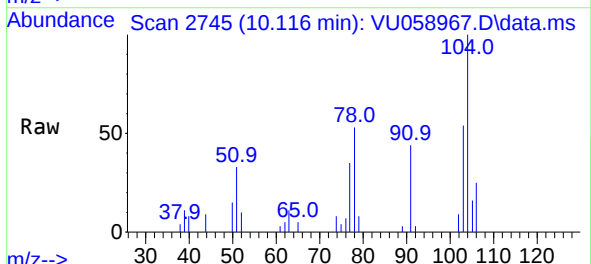
Manual Integrations  
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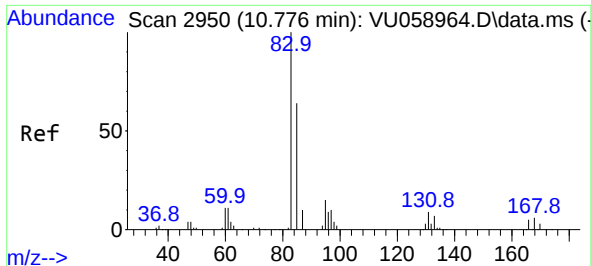
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#55  
Styrene  
Concen: 1.953 ug/L m  
RT: 10.116 min Scan# 2745  
Delta R.T. 0.006 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Tgt Ion:104 Resp: 7666  
Ion Ratio Lower Upper  
104 100  
78 53.4 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 3.234 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU058967.D

Acq: 24 May 2024 13:42

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-QT2-2024-04

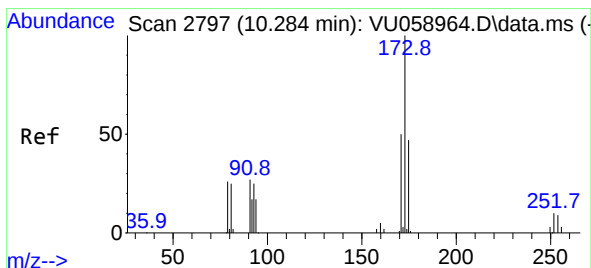
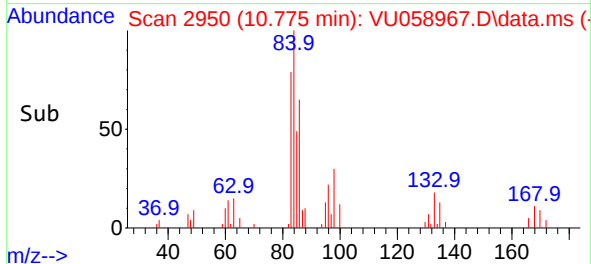
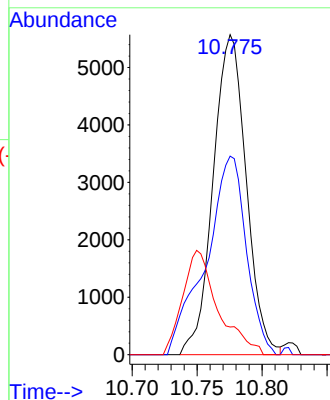
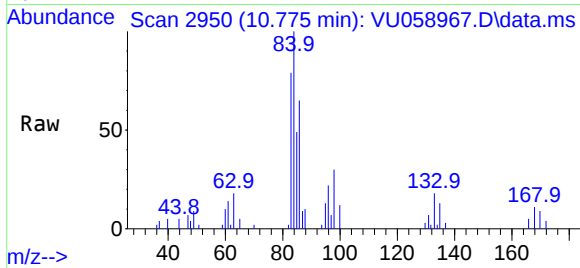
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 83    | Resp: | 985  |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 85        | 62.1  | 43.5  | 80.9 |
| 131       | 11.4  | 7.1   | 10.7 |

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Reviewed By :Semsettin Yesilyurt 05/27/2024

Supervised By :Mahesh Dadoda 05/27/2024



#59

Bromoform

Concen: 3.527 ug/L

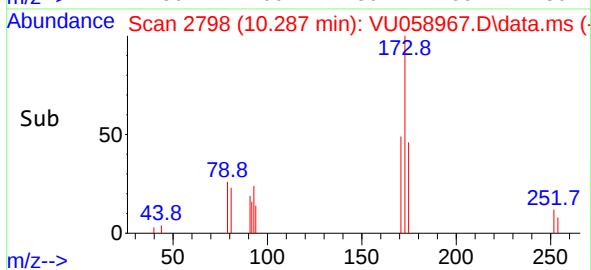
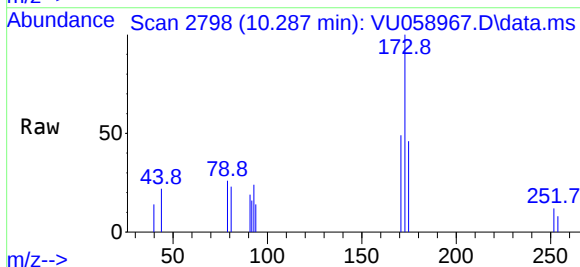
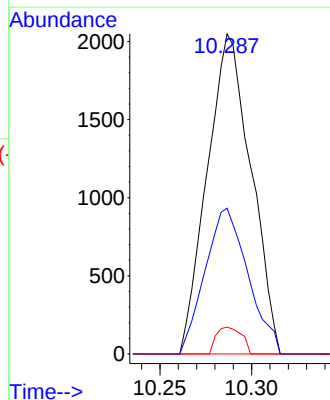
RT: 10.287 min Scan# 2798

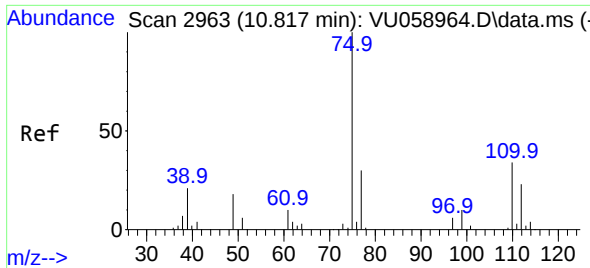
Delta R.T. 0.003 min

Lab File: VU058967.D

Acq: 24 May 2024 13:42

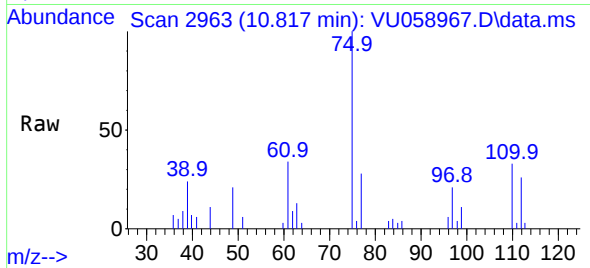
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 3398 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 44.7  | 40.6  | 61.0 |
| 254       | 4.9   | 7.3   | 10.9 |





#60  
1,2,3-Trichloropropane  
Concen: 3.749 ug/L  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.000 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

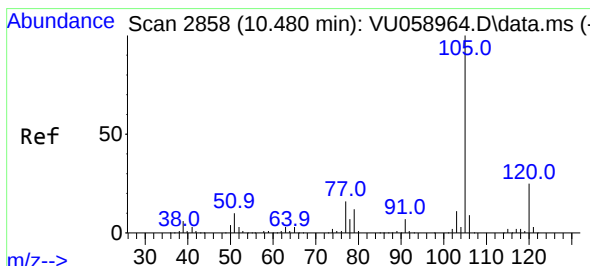
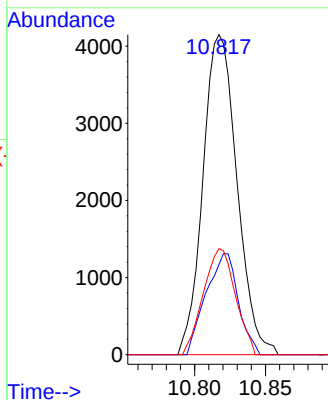
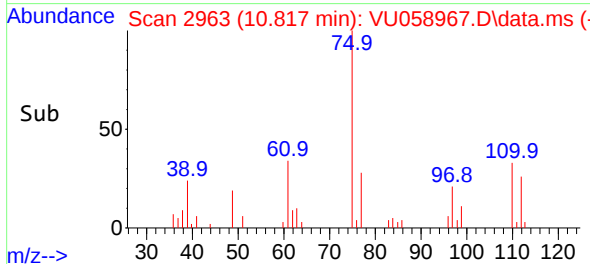
Instrument : MSVOA\_U  
ClientSampleId : VU058967.D  
MDL-WATER-QT2-2024-04



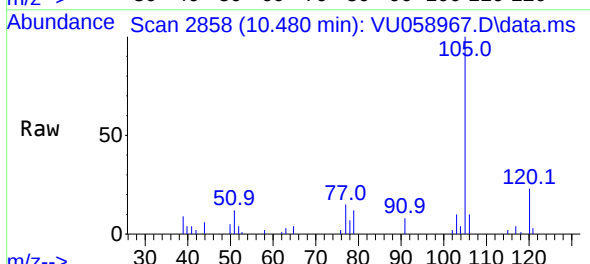
Tgt Ion: 75 Resp: 6934  
Ion Ratio Lower Upper  
75 100  
77 29.8 25.8 38.6  
110 31.3 28.3 42.5

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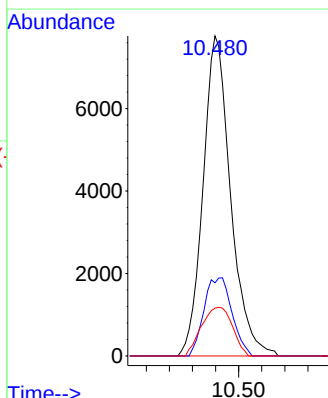
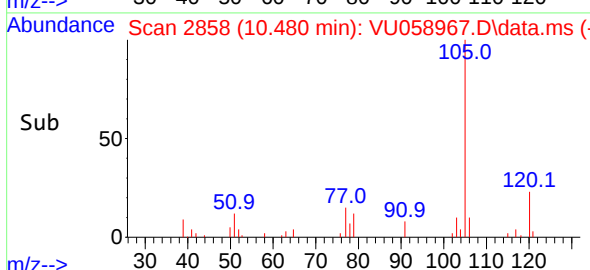
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024

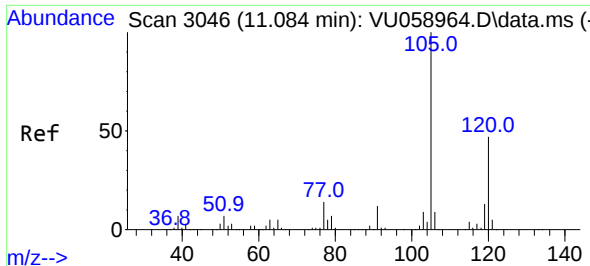


#61  
Isopropylbenzene  
Concen: 2.770 ug/L  
RT: 10.480 min Scan# 2858  
Delta R.T. -0.000 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42



Tgt Ion:105 Resp: 12856  
Ion Ratio Lower Upper  
105 100  
120 24.8 20.0 30.0  
77 17.0 13.4 20.0





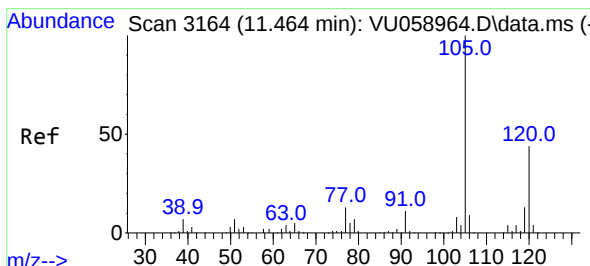
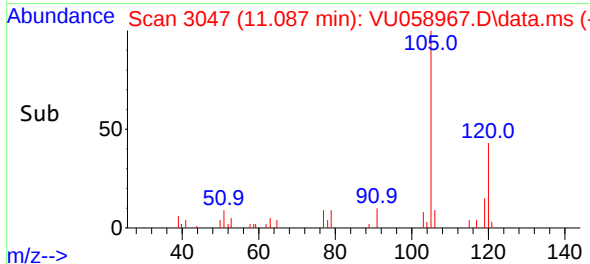
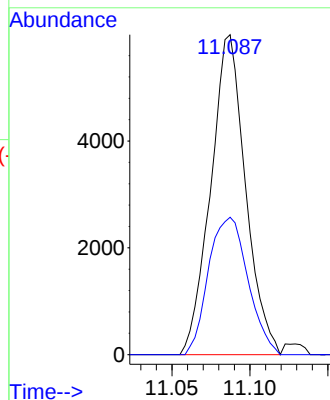
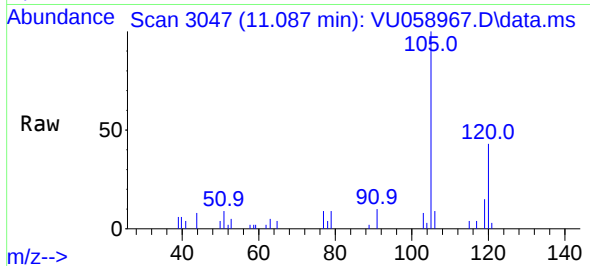
#62  
1,3,5-Trimethylbenzene  
Concen: 2.544 ug/L  
RT: 11.087 min Scan# 3046  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04

Tgt Ion:105 Resp: 930  
Ion Ratio Lower Upper  
105 100  
120 48.5 36.9 55.3

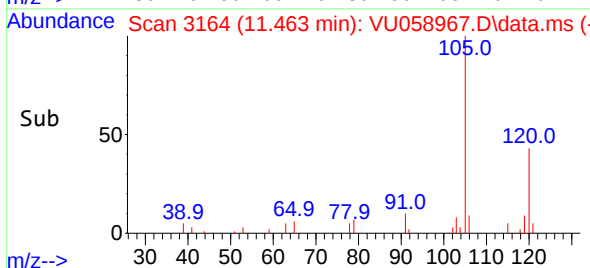
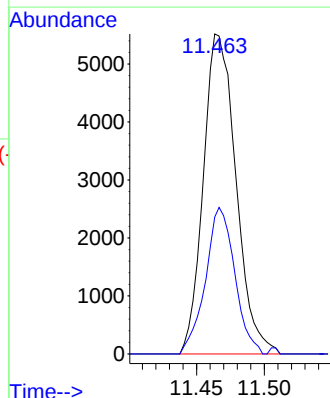
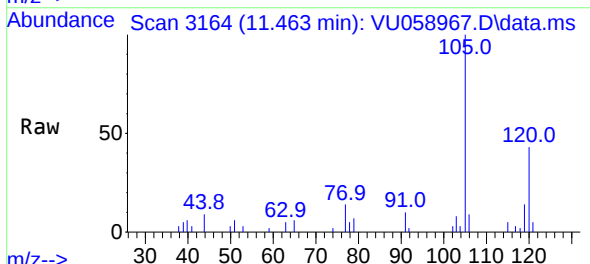
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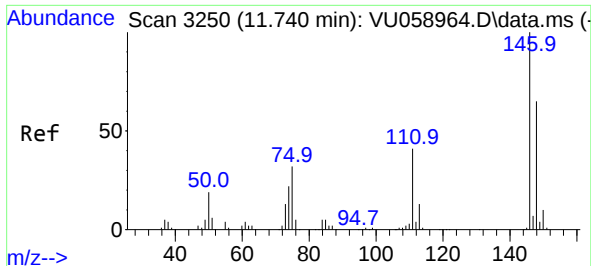
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#63  
1,2,4-Trimethylbenzene  
Concen: 2.506 ug/L  
RT: 11.463 min Scan# 3164  
Delta R.T. -0.000 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Tgt Ion:105 Resp: 9241  
Ion Ratio Lower Upper  
105 100  
120 41.0 35.3 52.9





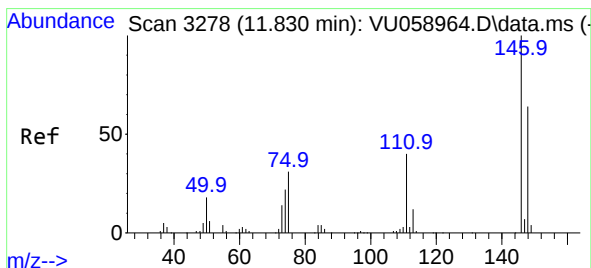
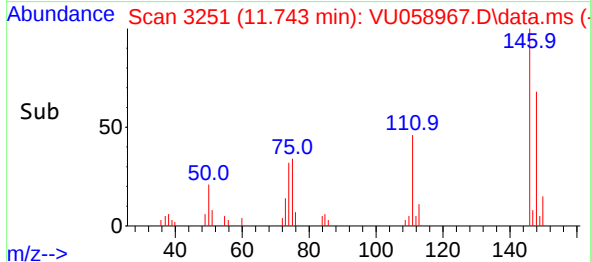
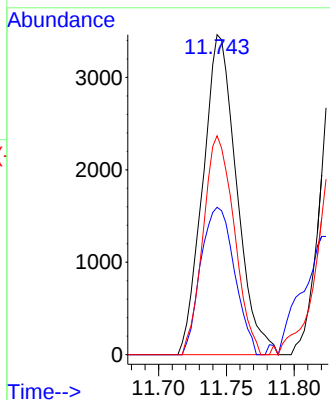
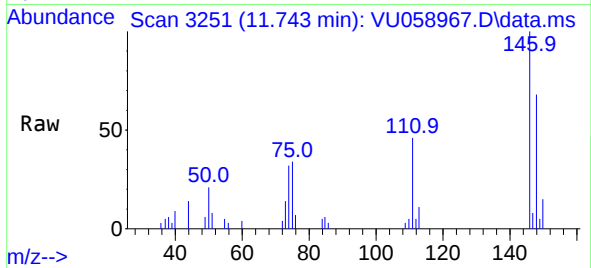
#64  
1,3-Dichlorobenzene  
Concen: 2.485 ug/L  
RT: 11.743 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04

Tgt Ion:146 Resp: 598  
Ion Ratio Lower Upper  
146 100  
111 42.6 28.6 53.0  
148 63.3 44.2 82.2

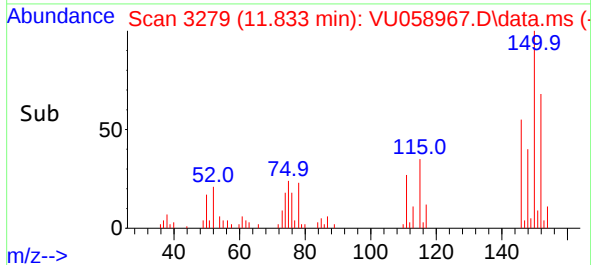
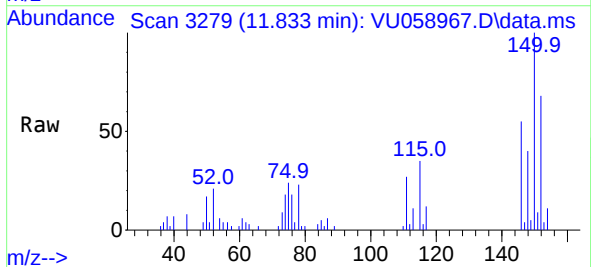
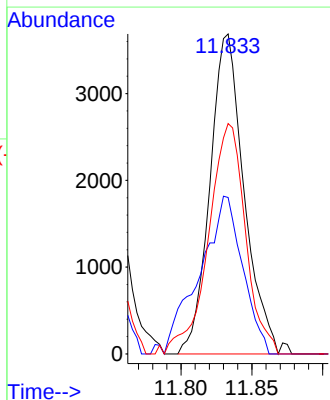
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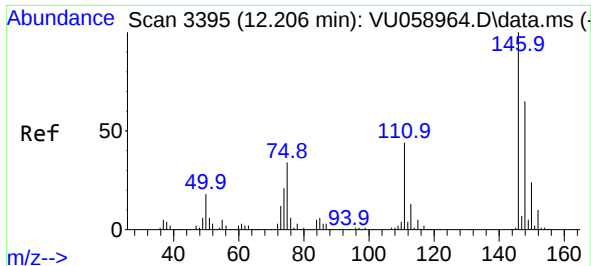
Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#65  
1,4-Dichlorobenzene  
Concen: 2.533 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. 0.003 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

Tgt Ion:146 Resp: 6164  
Ion Ratio Lower Upper  
146 100  
111 48.9 27.3 50.7  
148 82.0 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 3.028 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU058967.D

Acq: 24 May 2024 13:42

Instrument :

MSVOA\_U

ClientSampleId :

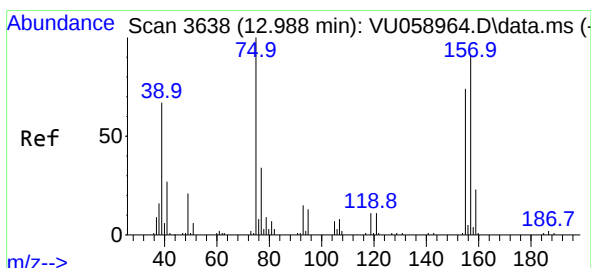
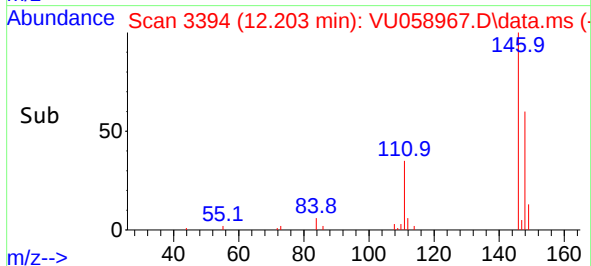
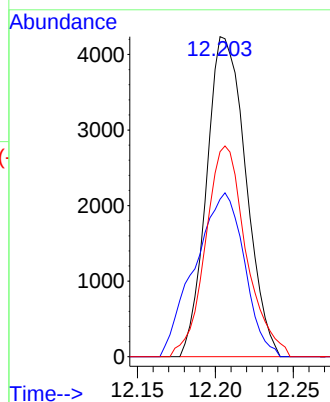
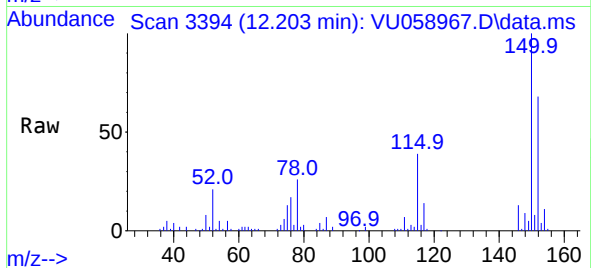
MDL-WATER-QT2-2024-04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 7420  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 49.2  | 34.1  | 51.1  |
| 148      | 64.0  | 52.2  | 78.4  |

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Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 3.064 ug/L

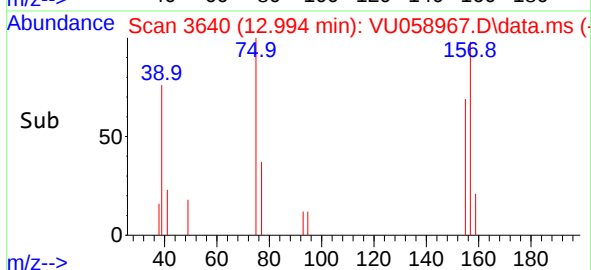
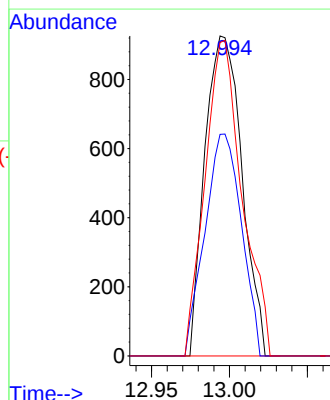
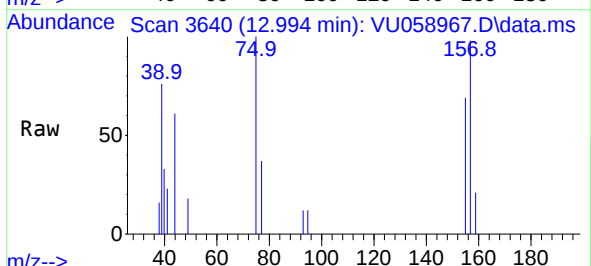
RT: 12.994 min Scan# 3640

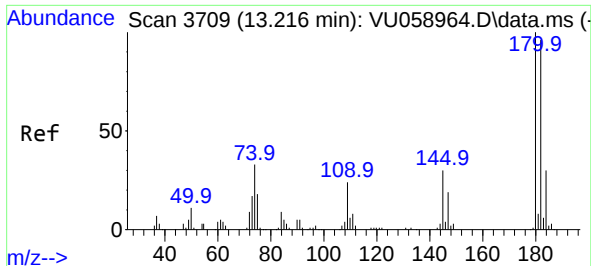
Delta R.T. 0.006 min

Lab File: VU058967.D

Acq: 24 May 2024 13:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 1533  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 69.2  | 60.2  | 90.4  |
| 157      | 97.9  | 77.2  | 115.8 |





#69

1,3,5-Trichlorobenzene

Concen: 2.482 ug/L

RT: 13.222 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU058967.D

Acq: 24 May 2024 13:42

Instrument :

MSVOA\_U

ClientSampleId :

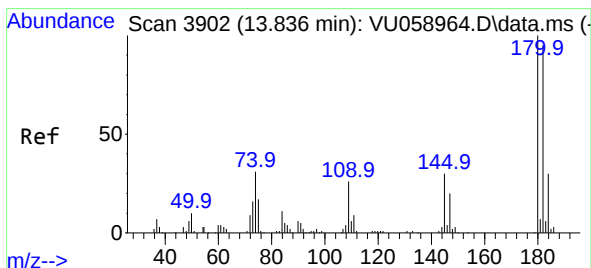
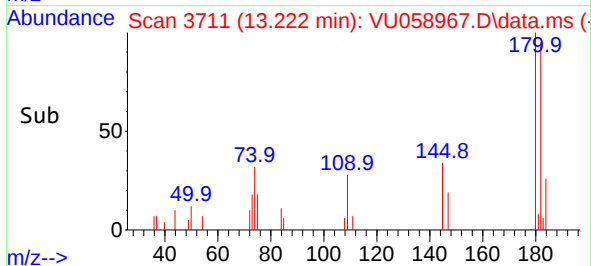
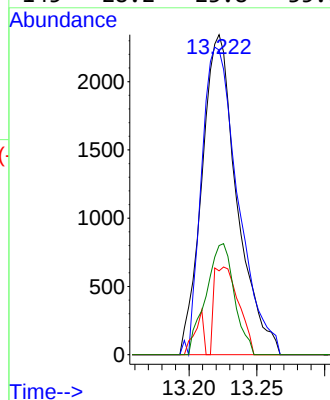
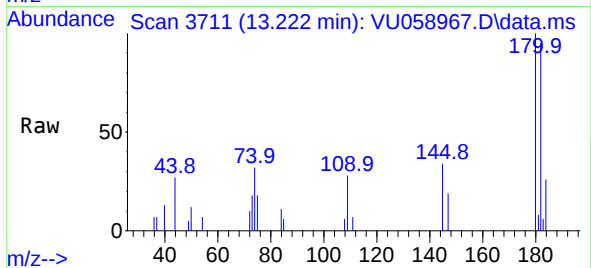
MDL-WATER-QT2-2024-04

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 421         |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 99.5  | 75.7 113.5  |
| 184         | 5.7   | 24.3 36.5   |
| 145         | 28.2  | 23.8 35.6   |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#70

1,2,4-trichlorobenzene

Concen: 2.178 ug/L

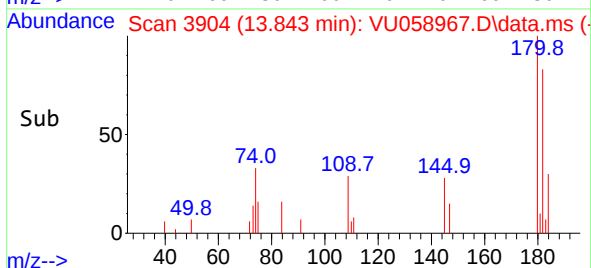
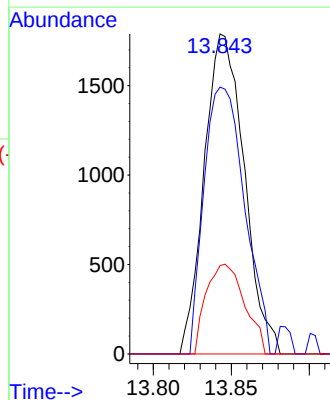
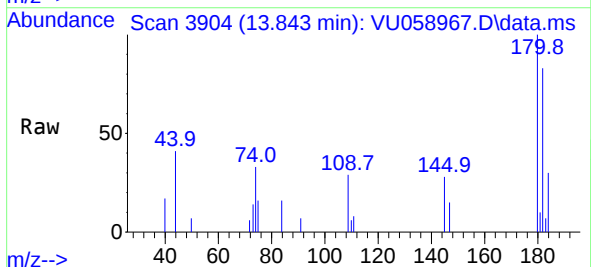
RT: 13.843 min Scan# 3904

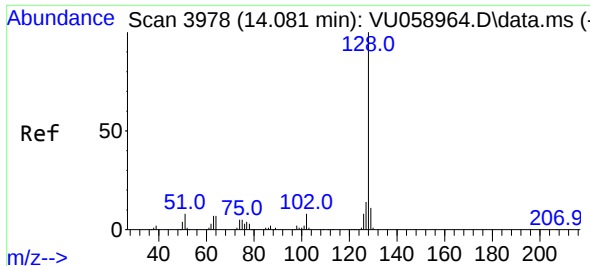
Delta R.T. 0.006 min

Lab File: VU058967.D

Acq: 24 May 2024 13:42

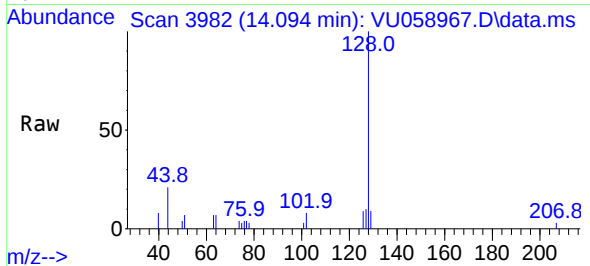
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 3184        |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 85.0  | 78.6 117.8  |
| 145         | 26.9  | 24.6 37.0   |





#71  
Naphthalene  
Concen: 1.994 ug/L m  
RT: 14.094 min Scan# 3978  
Delta R.T. 0.013 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42

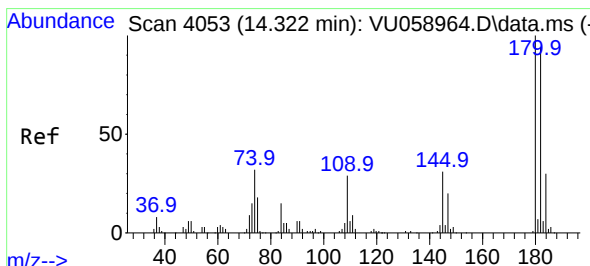
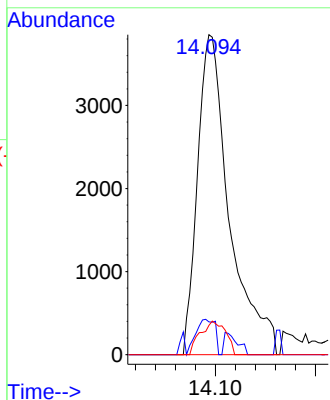
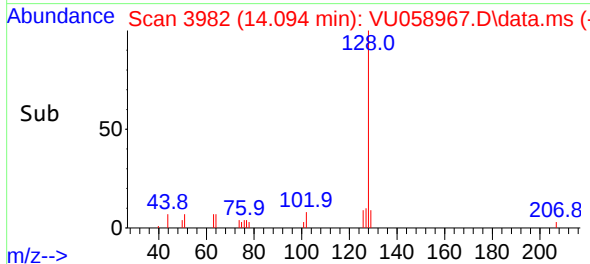
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2024-04



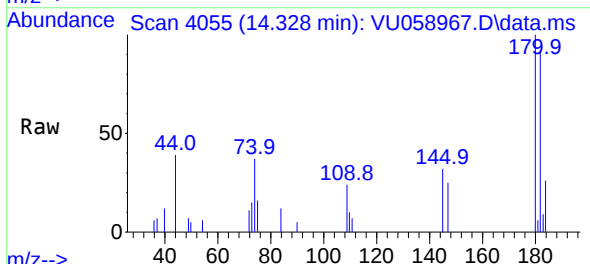
Tgt Ion:128 Resp: 850  
Ion Ratio Lower Upper  
128 100  
127 0.9 10.8 16.2  
129 6.3 8.8 13.2

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Reviewed By :Semsettin Yesilyurt 05/27/2024  
Supervised By :Mahesh Dadoda 05/27/2024



#72  
1,2,3-Trichlorobenzene  
Concen: 2.237 ug/L  
RT: 14.328 min Scan# 4055  
Delta R.T. 0.006 min  
Lab File: VU058967.D  
Acq: 24 May 2024 13:42



Tgt Ion:180 Resp: 3349  
Ion Ratio Lower Upper  
180 100  
182 95.3 76.1 114.1  
145 26.3 26.2 39.2

