

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX073124\  
 Data File : VX042760.D  
 Acq On : 31 Jul 2024 10:07  
 Operator : JC/MD  
 Sample : P3391-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-QT3-2024-06

Quant Time: Aug 01 01:47:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML072624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 01 01:44:51 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 08/01/2024  
 Supervised By : Mahesh Dadoda 08/01/2024

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.757          | 114  | 119641     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 108394     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 48349      | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368          | 65   | 25259      | 34.751   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 69.500%  |        |          |
| 7) Chloroethane-d5            | 1.648          | 69   | 15017      | 50.137   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 100.280% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.300          | 65   | 16195      | 45.221   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 90.440%  |        |          |
| 21) 2-Butanone-d5             | 4.459          | 46   | 43359      | 80.485   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 80.490%  |        |          |
| 24) Chloroform-d              | 5.056          | 84   | 73957      | 46.486   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.980%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.952          | 65   | 51522      | 50.196   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 100.400% |        |          |
| 32) Benzene-d6                | 5.971          | 84   | 144864     | 48.155   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.300%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 7.306          | 67   | 40719      | 45.734   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 91.460%  |        |          |
| 41) Toluene-d8                | 8.647          | 98   | 134548     | 49.883   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 99.760%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.952          | 79   | 18984      | 45.563   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 91.120%  |        |          |
| 47) 2-Hexanone-d5             | 9.385          | 63   | 33827      | 84.978   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 84.980%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189         | 84   | 60713      | 47.361   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 94.720%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.323         | 152  | 49796      | 54.497   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 109.000% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.167          | 85   | 3307       | 3.129    | ug/L # | 79       |
| 3) Chloromethane              | 1.301          | 50   | 1796       | 2.055    | ug/L # | 77       |
| 5) Vinyl chloride             | 1.374          | 62   | 1828       | 2.200    | ug/L   | 94       |
| 6) Bromomethane               | 1.599          | 94   | 882        | 3.393    | ug/L   | 97       |
| 8) Chloroethane               | 1.666          | 64   | 892        | 2.932    | ug/L # | 70       |
| 9) Trichlorofluoromethane     | 1.874          | 101  | 3843       | 3.268    | ug/L   | 89       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319          | 101  | 2840       | 3.360    | ug/L   | 92       |
| 12) 1,1-Dichloroethene        | 2.313          | 96   | 2410       | 3.116    | ug/L # | 1        |
| 13) Acetone                   | 2.386          | 43   | 2753m      | 6.538    | ug/L   |          |
| 14) Carbon disulfide          | 2.502          | 76   | 3619       | 1.916    | ug/L   | 96       |
| 15) Methyl Acetate            | 2.709          | 43   | 2003       | 2.146    | ug/L   | 96       |
| 16) Methylene chloride        | 2.788          | 84   | 2689       | 3.010    | ug/L   | 86       |
| 17) trans-1,2-Dichloroethene  | 3.087          | 96   | 2100       | 2.646    | ug/L   | 86       |
| 18) Methyl tert-butyl Ether   | 3.117          | 73   | 6706       | 2.437    | ug/L # | 83       |
| 19) 1,1-Dichloroethane        | 3.605          | 63   | 3789       | 2.500    | ug/L   | 91       |
| 20) cis-1,2-Dichloroethene    | 4.477          | 96   | 2556m      | 2.819    | ug/L   |          |
| 22) 2-Butanone                | 4.593          | 43   | 2988m      | 4.659    | ug/L   |          |
| 23) Bromochloromethane        | 4.910          | 128  | 1310m      | 3.051    | ug/L   |          |
| 27) 1,2-Dichloroethane        | 6.099          | 62   | 3363       | 2.620    | ug/L # | 75       |

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 Operator : JC/MD  
 Sample : P3391-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-QT3-2024-06

Quant Time: Aug 01 01:47:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML072624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 01 01:44:51 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 08/01/2024  
 Supervised By :Mahesh Dadoda 08/01/2024

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 29) Cyclohexane               | 5.465  | 56   | 2674     | 2.087 | ug/L # | 77       |
| 30) 1,1,1-Trichloroethane     | 5.373  | 97   | 3801m    | 2.745 | ug/L   |          |
| 31) Carbon tetrachloride      | 5.666  | 117  | 3143m    | 2.688 | ug/L   |          |
| 33) Benzene                   | 6.038  | 78   | 8081     | 2.436 | ug/L   | 100      |
| 35) Methylcyclohexane         | 7.379  | 83   | 3317     | 2.473 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 7.434  | 63   | 1815     | 2.105 | ug/L   | 97       |
| 38) Bromodichloromethane      | 7.824  | 83   | 2847     | 2.555 | ug/L # | 97       |
| 39) cis-1,3-Dichloropropene   | 8.373  | 75   | 3031     | 2.290 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 8.580  | 43   | 4637     | 3.909 | ug/L # | 91       |
| 42) Toluene                   | 8.720  | 91   | 8685     | 2.542 | ug/L   | 93       |
| 44) trans-1,3-Dichloropropene | 8.982  | 75   | 3922     | 3.270 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 2155     | 2.475 | ug/L   | 88       |
| 46) Tetrachloroethene         | 9.275  | 164  | 1690     | 2.796 | ug/L   | 94       |
| 48) 2-Hexanone                | 9.439  | 43   | 4226     | 4.581 | ug/L   | 89       |
| 49) Dibromochloromethane      | 9.519  | 129  | 2081     | 2.559 | ug/L   | 90       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 2634     | 2.909 | ug/L # | 92       |
| 51) Chlorobenzene             | 10.080 | 112  | 6069     | 2.747 | ug/L   | 98       |
| 52) Ethylbenzene              | 10.195 | 91   | 9340     | 2.492 | ug/L   | 97       |
| 53) m,p-Xylene                | 10.305 | 106  | 3254     | 2.305 | ug/L   | 94       |
| 54) o-Xylene                  | 10.640 | 106  | 3700     | 2.635 | ug/L   | 91       |
| 55) Styrene                   | 10.659 | 104  | 5820     | 2.486 | ug/L   | 86       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 3725     | 2.675 | ug/L   | 96       |
| 59) Bromoform                 | 10.799 | 173  | 1358     | 2.503 | ug/L # | 92       |
| 60) Isopropylbenzene          | 10.964 | 105  | 9058     | 2.479 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 2735     | 2.445 | ug/L # | 84       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 7269     | 2.392 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 6783     | 2.261 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 4428     | 2.818 | ug/L   | 90       |
| 65) 1,4-Dichlorobenzene       | 12.037 | 146  | 4287     | 2.709 | ug/L # | 82       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 4882     | 3.086 | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 696m     | 2.336 | ug/L   |          |
| 69) 1,3,5-Trichlorobenzene    | 13.116 | 180  | 2683     | 2.753 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.591 | 180  | 2022     | 2.366 | ug/L # | 86       |
| 71) Naphthalene               | 13.780 | 128  | 6976     | 2.116 | ug/L # | 91       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 2258     | 2.551 | ug/L   | 95       |

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

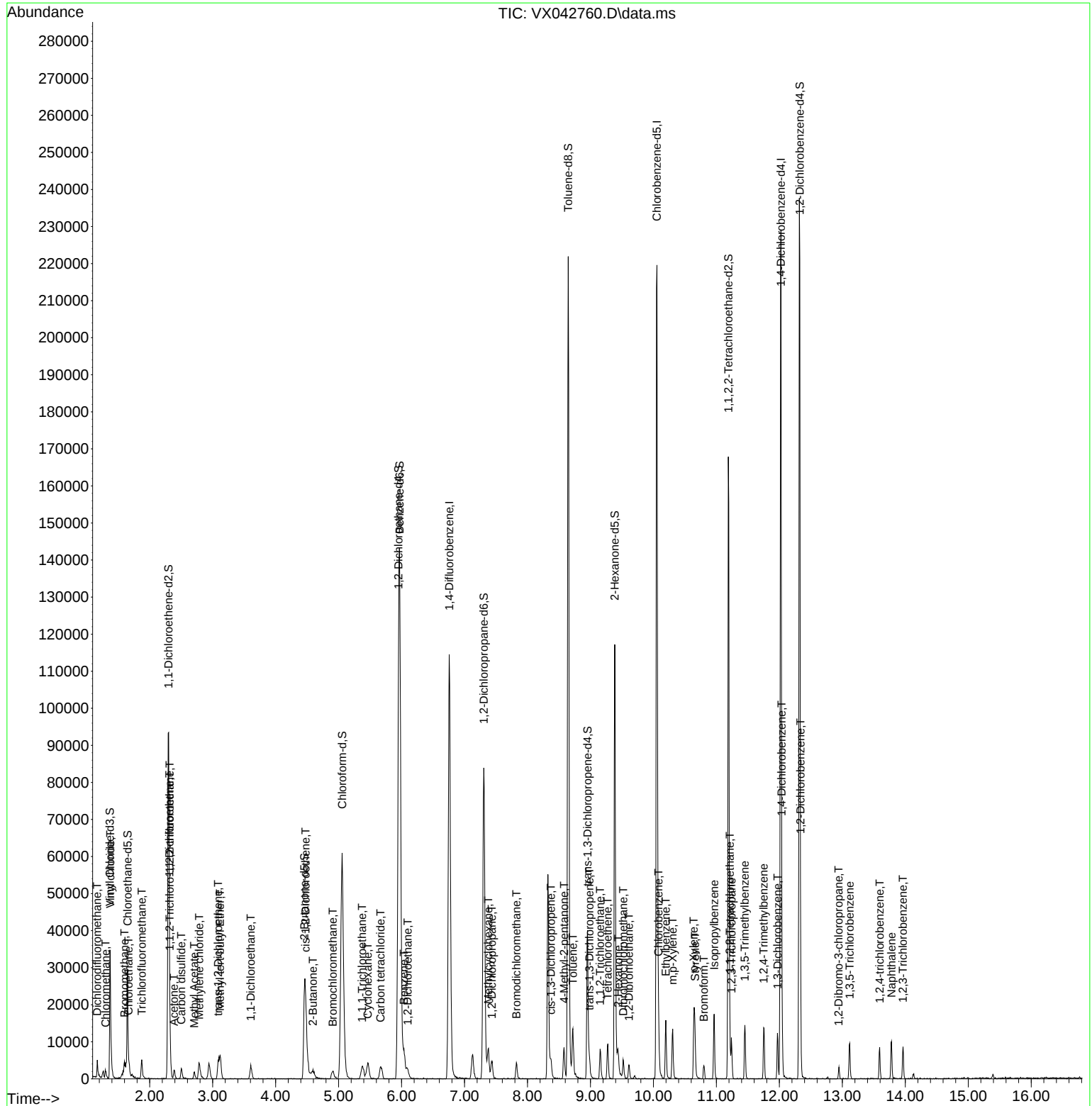
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073124\
Data File : VX042760.D
Acq On    : 31 Jul 2024  10:07
Operator  : JC/MD
Sample    : P3391-02
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 5      Sample Multiplier: 1
```

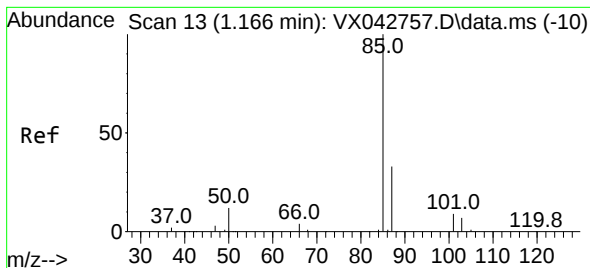
**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
MDL-WATER-QT3-2024-06

## Manual Integrations

Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024

Quant Time: Aug 01 01:47:05 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML072624WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Aug 01 01:44:51 2024  
Response via : Initial Calibration





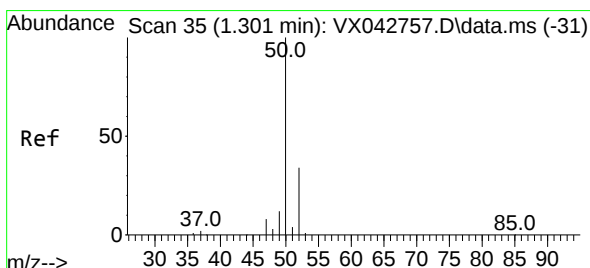
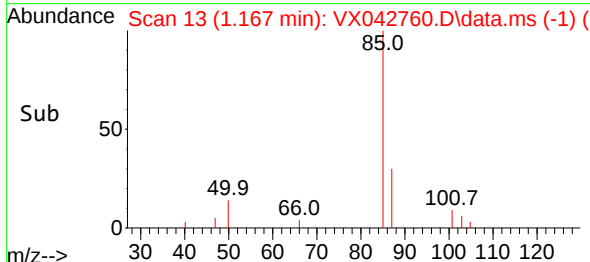
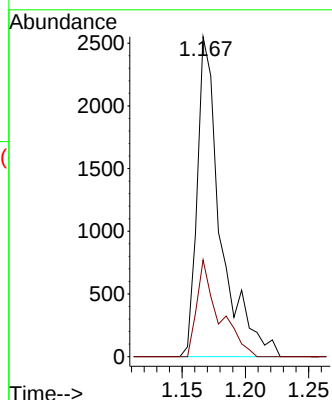
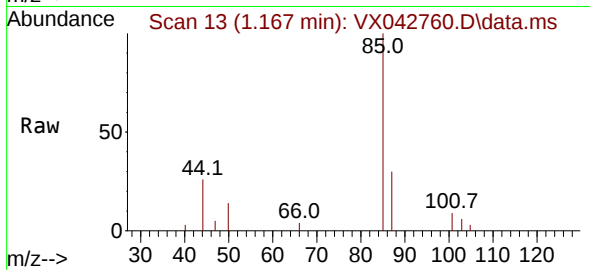
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Dichlorodifluoromethane  
Concen: 3.129 ug/L  
RT: 1.167 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Instrument : MSVOA\_X  
ClientSampleId : MDL-WATER-QT3-2024-06

Tgt Ion: 85 Resp: 330  
Ion Ratio Lower Upper  
85 100  
87 20.5 25.8 38.8

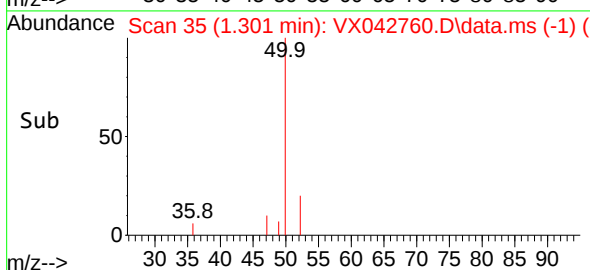
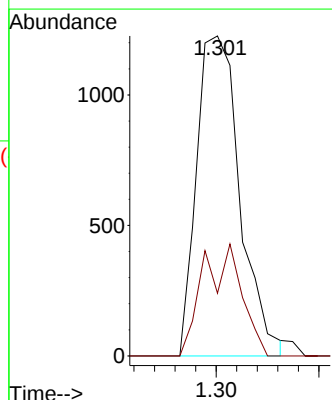
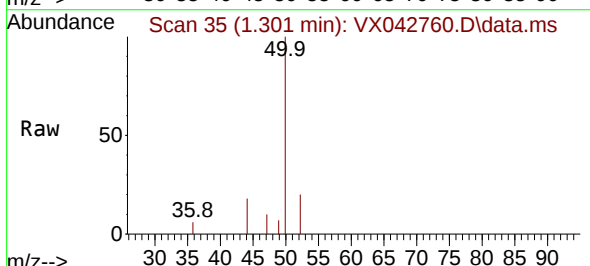
Manual Integrations  
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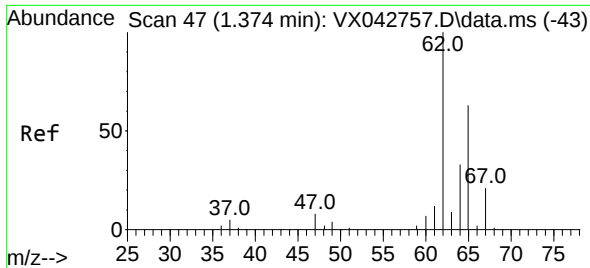
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#3  
Chloromethane  
Concen: 2.055 ug/L  
RT: 1.301 min Scan# 35  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

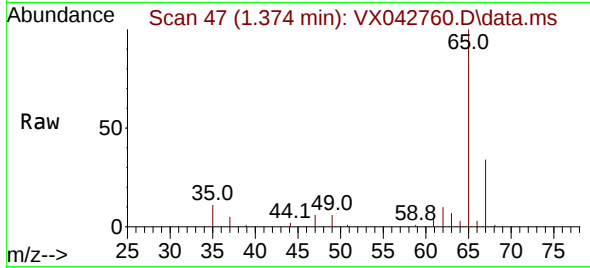
Tgt Ion: 50 Resp: 1796  
Ion Ratio Lower Upper  
50 100  
52 19.6 23.0 42.6





#5  
 Vinyl chloride  
 Concen: 2.200 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VX042760.D  
 Acq: 31 Jul 2024 10:07

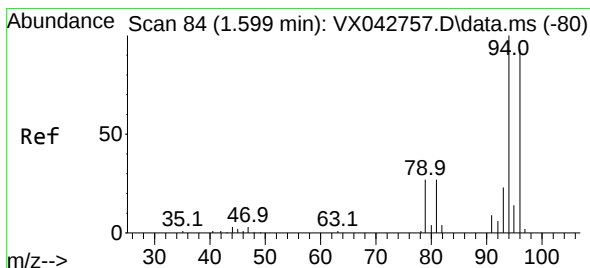
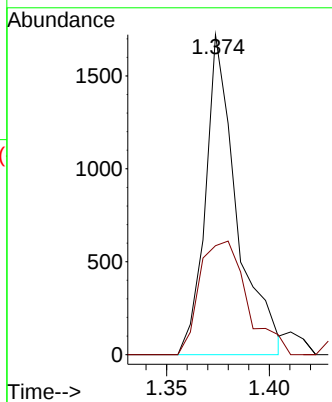
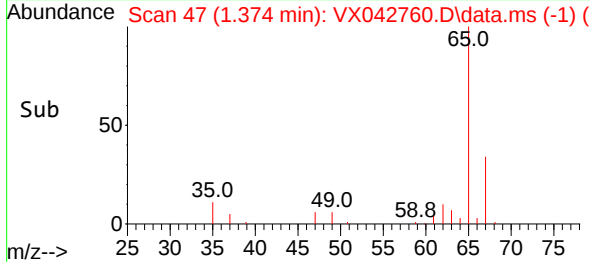
Instrument : MSVOA\_X  
 ClientSampleId : MDL-WATER-QT3-2024-06



Tgt Ion: 62 Resp: 1828  
 Ion Ratio Lower Upper  
 62 100  
 64 34.0 21.6 40.0

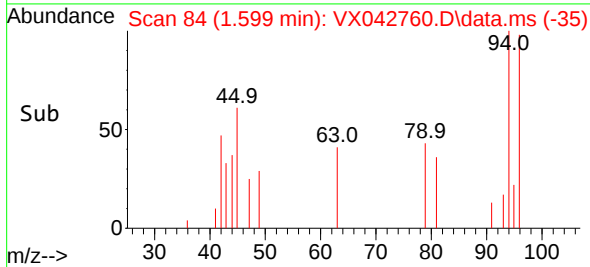
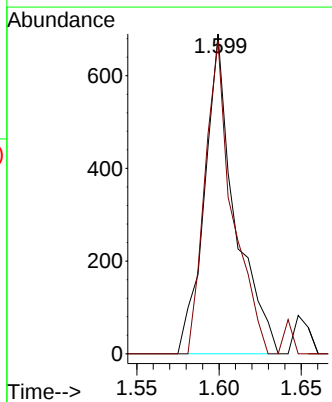
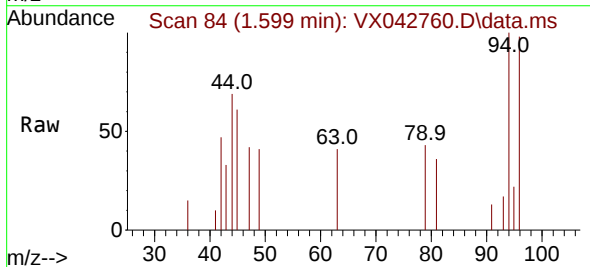
Manual Integrations  
 APPROVED

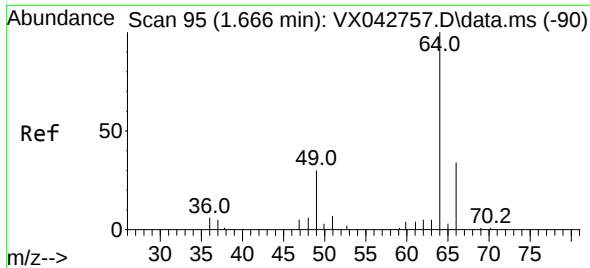
Reviewed By :John Carlone 08/01/2024  
 Supervised By :Mahesh Dadoda 08/01/2024



#6  
 Bromomethane  
 Concen: 3.393 ug/L  
 RT: 1.599 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VX042760.D  
 Acq: 31 Jul 2024 10:07

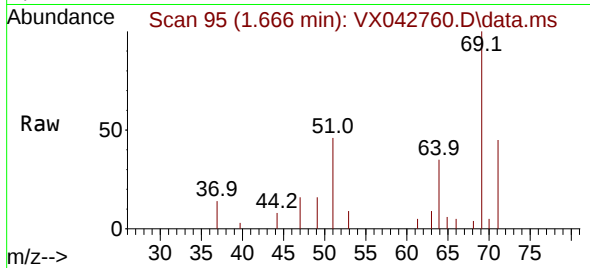
Tgt Ion: 94 Resp: 882  
 Ion Ratio Lower Upper  
 94 100  
 96 97.7 66.1 122.7





#8  
Chloroethane  
Concen: 2.932 ug/L  
RT: 1.666 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

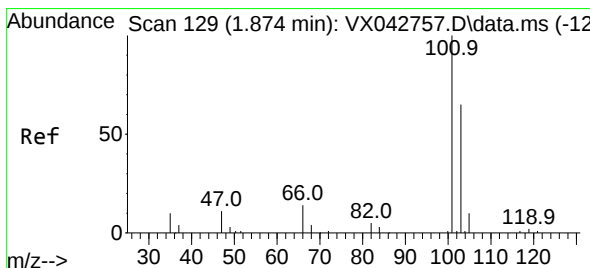
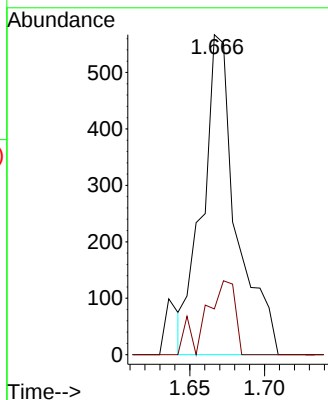
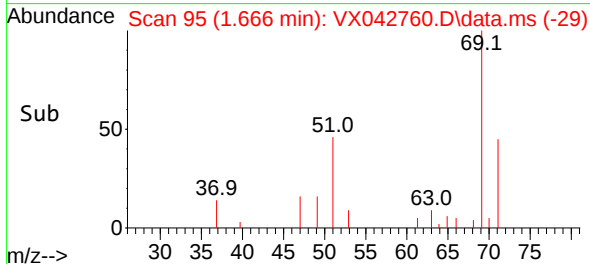
Instrument : MSVOA\_X  
ClientSampleId : MDL-WATER-QT3-2024-06



Tgt Ion: 64 Resp: 892  
Ion Ratio Lower Upper  
64 100  
66 14.3 21.4 39.8

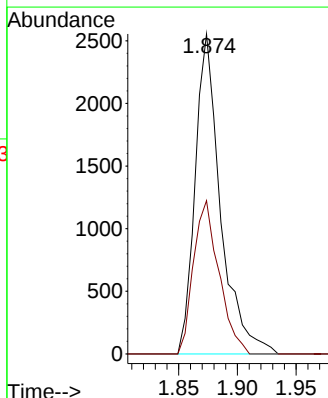
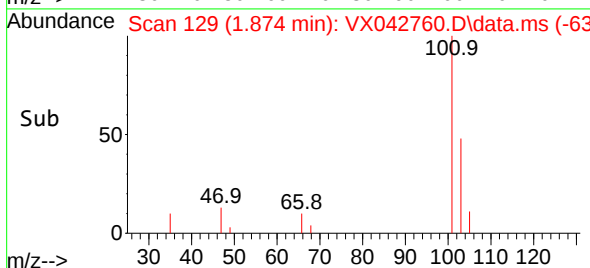
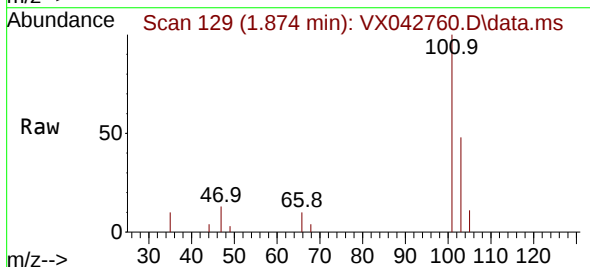
Manual Integrations  
APPROVED

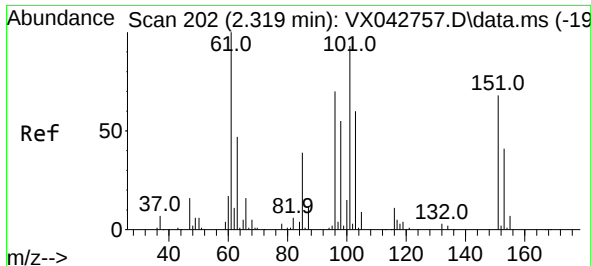
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#9  
Trichlorofluoromethane  
Concen: 3.268 ug/L  
RT: 1.874 min Scan# 129  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Tgt Ion:101 Resp: 3843  
Ion Ratio Lower Upper  
101 100  
103 48.1 45.2 67.8





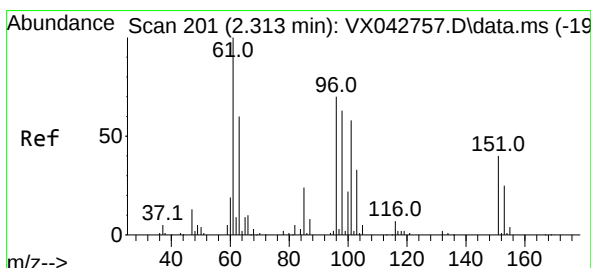
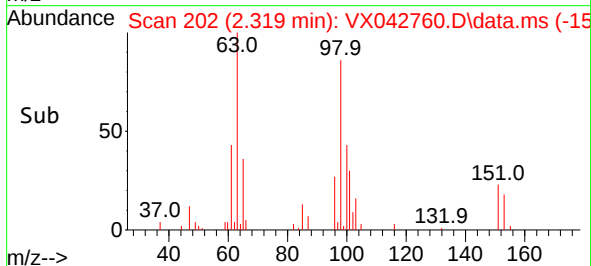
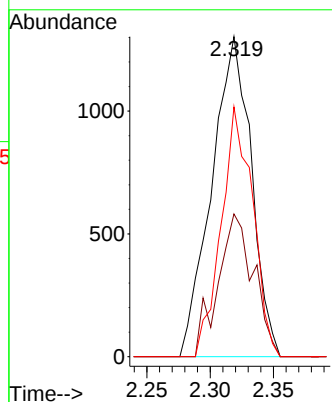
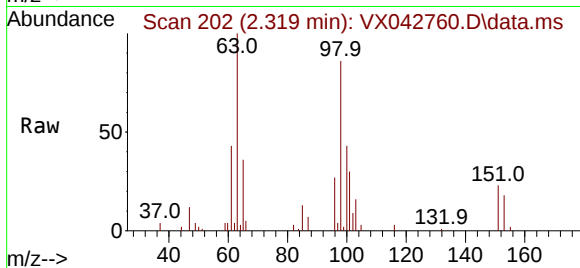
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1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 3.360 ug/L  
RT: 2.319 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06

Tgt Ion:101 Resp: 2840  
Ion Ratio Lower Upper  
101 100  
85 40.1 34.4 51.6  
151 62.1 56.6 85.0

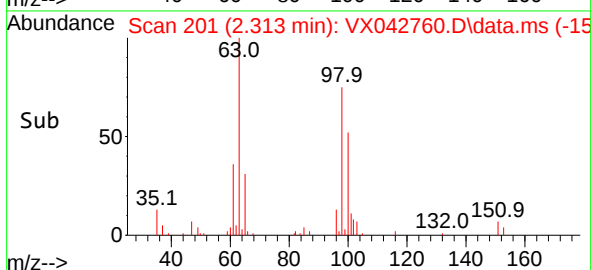
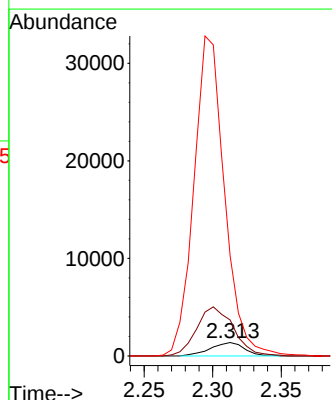
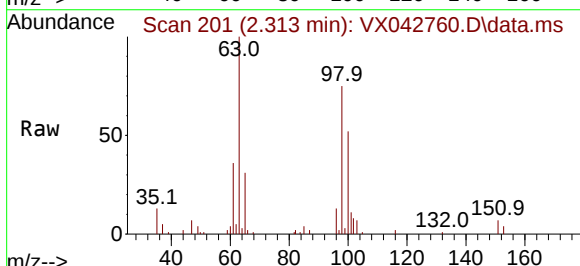
Manual Integrations  
APPROVED

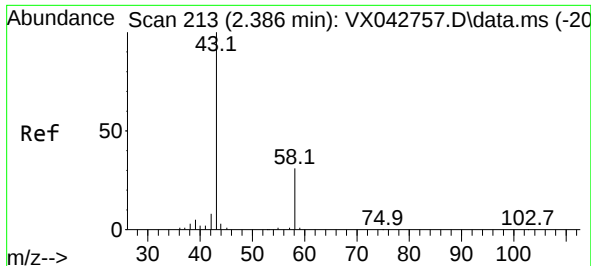
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#12  
1,1-Dichloroethene  
Concen: 3.116 ug/L  
RT: 2.313 min Scan# 201  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Tgt Ion: 96 Resp: 2410  
Ion Ratio Lower Upper  
96 100  
61 267.4 113.0 209.9#  
63 744.0 70.5 130.9#





#13

Acetone

Concen: 6.538 ug/L m

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX042760.D

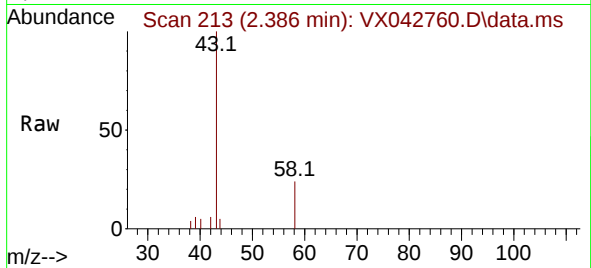
Acq: 31 Jul 2024 10:07

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-QT3-2024-06



Tgt Ion: 43 Resp: 275

Ion Ratio Lower Upper

43 100

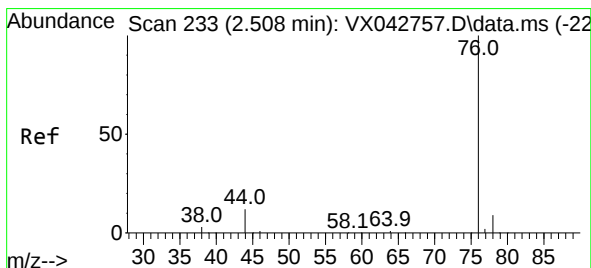
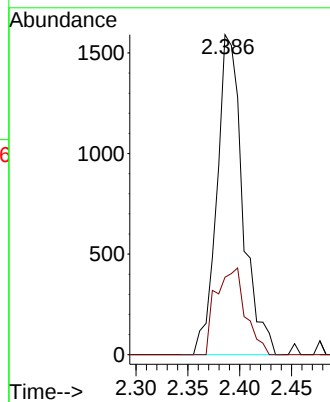
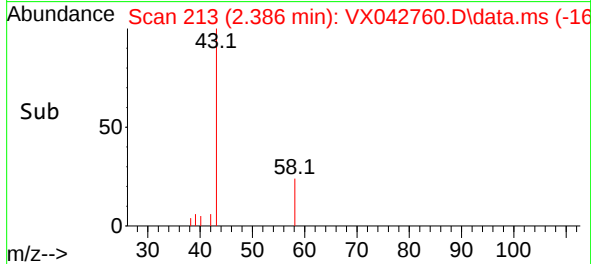
58 31.0 0.0 62.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#14

Carbon disulfide

Concen: 1.916 ug/L

RT: 2.502 min Scan# 232

Delta R.T. -0.006 min

Lab File: VX042760.D

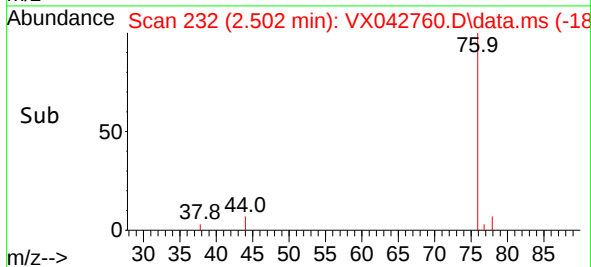
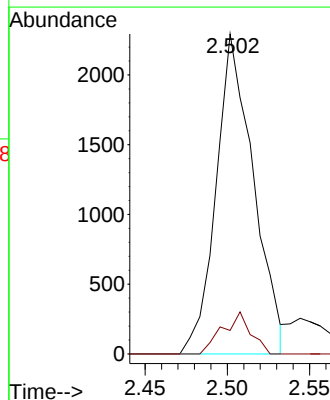
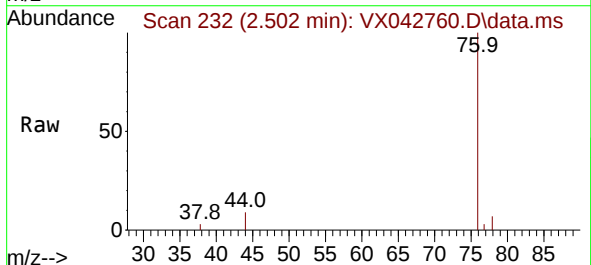
Acq: 31 Jul 2024 10:07

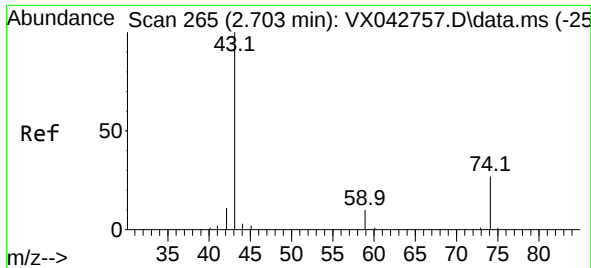
Tgt Ion: 76 Resp: 3619

Ion Ratio Lower Upper

76 100

78 7.3 7.0 10.6





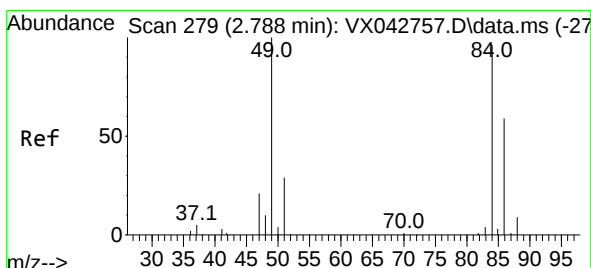
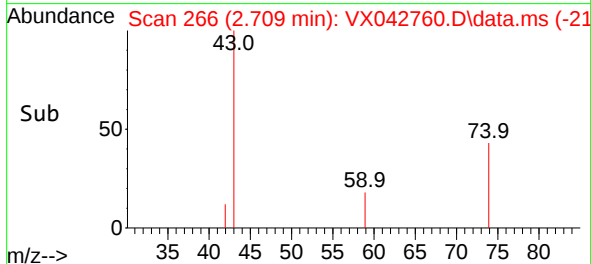
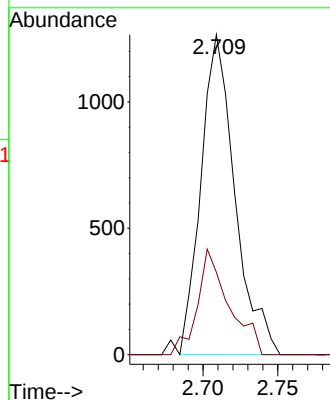
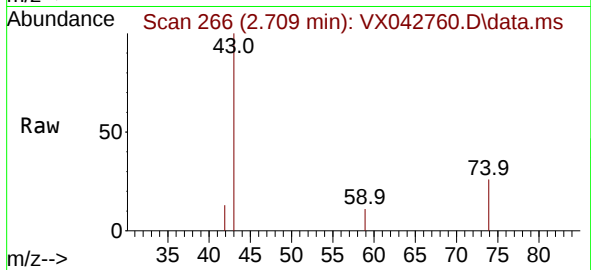
#15  
Methyl Acetate  
Concen: 2.146 ug/L  
RT: 2.709 min Scan# 265  
Delta R.T. 0.006 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06

Tgt Ion: 43 Resp: 200  
Ion Ratio Lower Upper  
43 100  
74 28.3 21.0 31.4

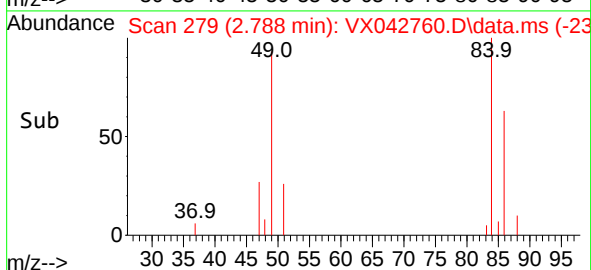
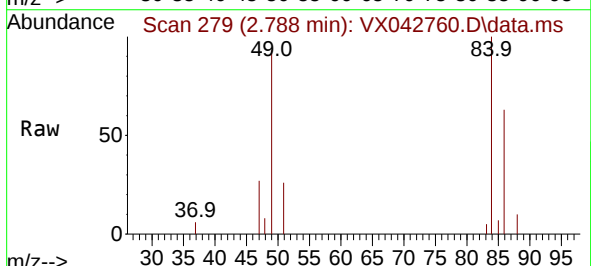
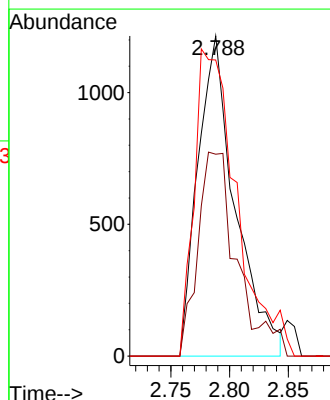
Manual Integrations  
APPROVED

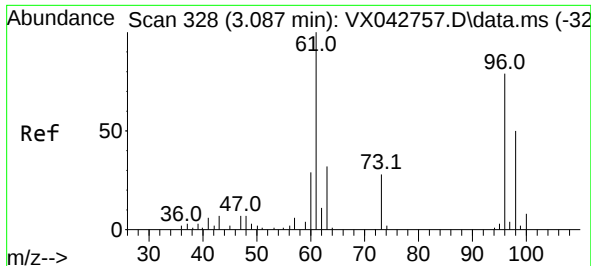
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#16  
Methylene chloride  
Concen: 3.010 ug/L  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

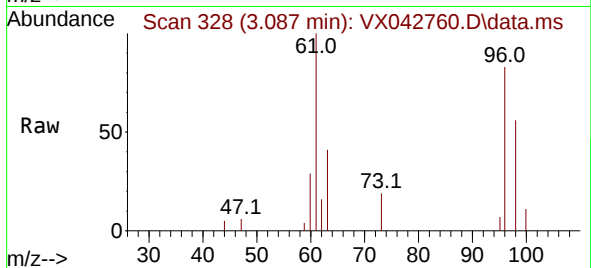
Tgt Ion: 84 Resp: 2689  
Ion Ratio Lower Upper  
84 100  
86 63.0 43.5 80.7  
49 92.5 81.1 150.7





#17  
trans-1,2-Dichloroethene  
Concen: 2.646 ug/L  
RT: 3.087 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

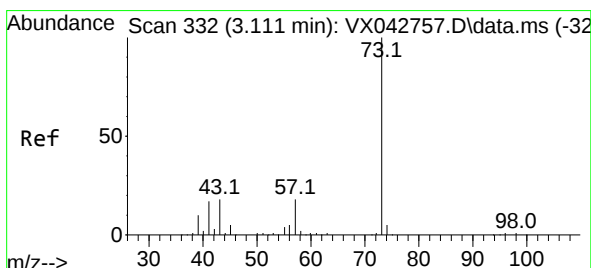
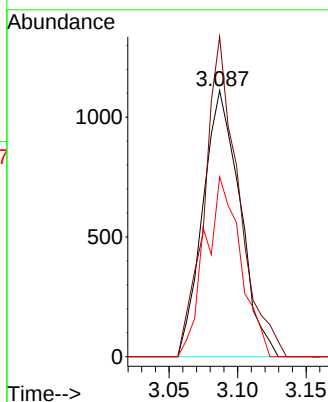
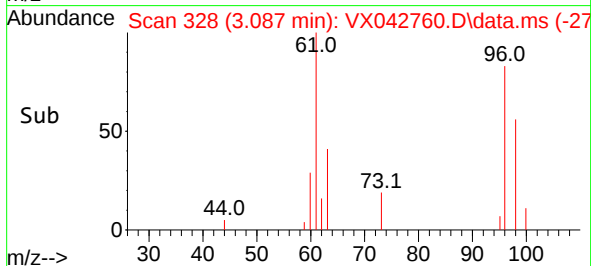
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06



Tgt Ion: 96 Resp: 2100  
Ion Ratio Lower Upper  
96 100  
61 120.3 99.3 184.3  
98 67.6 43.8 81.3

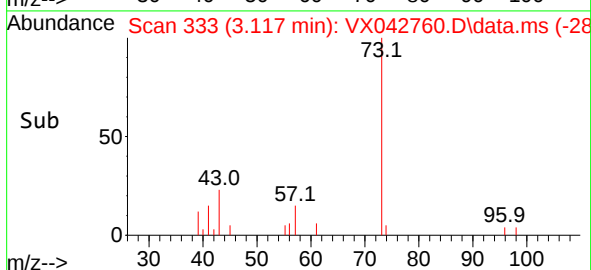
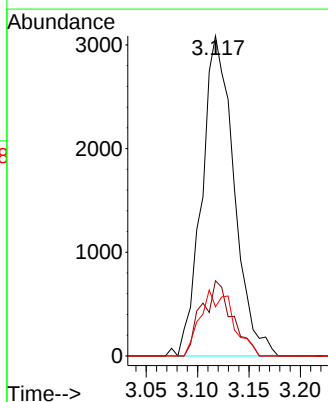
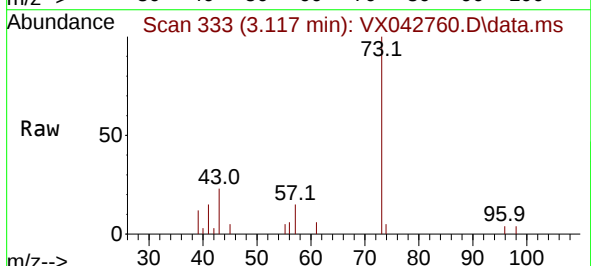
Manual Integrations  
APPROVED

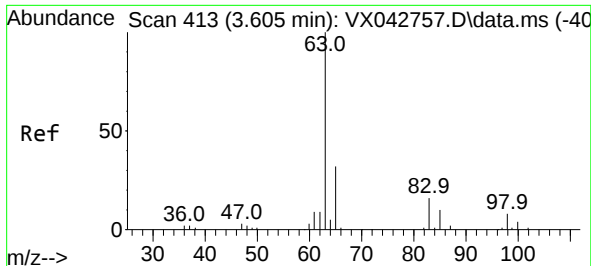
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#18  
Methyl tert-butyl Ether  
Concen: 2.437 ug/L  
RT: 3.117 min Scan# 333  
Delta R.T. 0.006 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Tgt Ion: 73 Resp: 6706  
Ion Ratio Lower Upper  
73 100  
43 14.2 15.4 23.2#  
57 10.8 16.9 25.3#





#19

1,1-Dichloroethane

Concen: 2.500 ug/L

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX042760.D

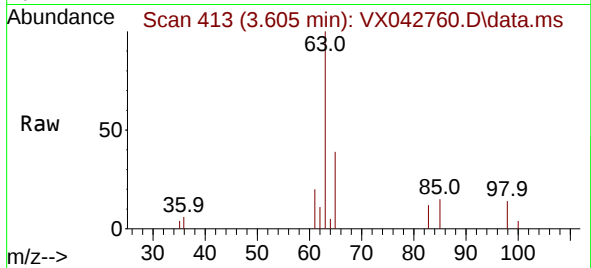
Acq: 31 Jul 2024 10:07

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-QT3-2024-06



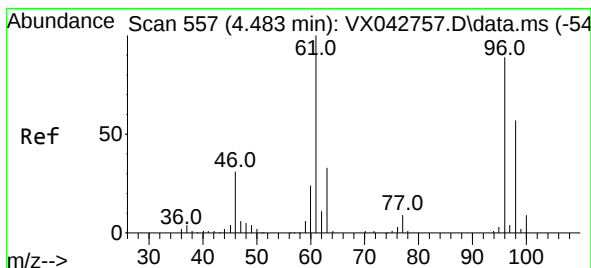
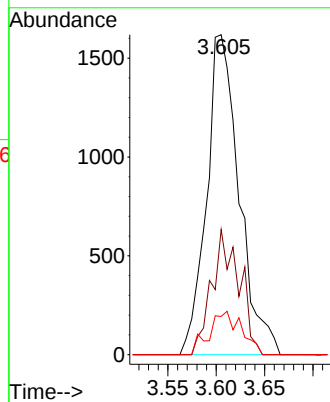
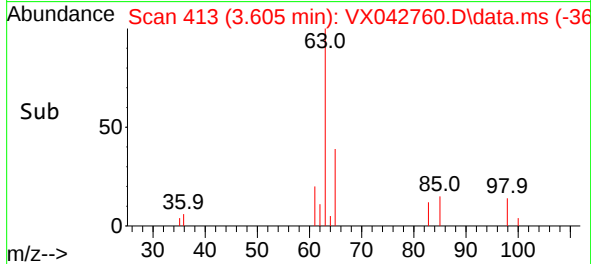
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 3789 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 65        | 39.1  | 23.6  | 43.8 |
| 83        | 11.9  | 10.9  | 20.3 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#20

cis-1,2-Dichloroethene

Concen: 2.819 ug/L m

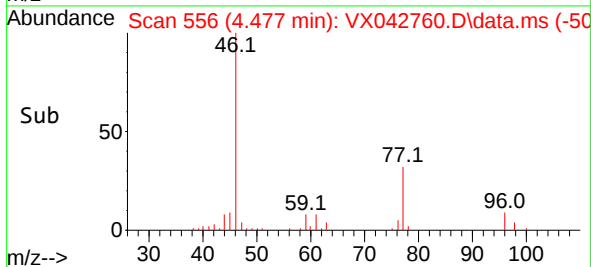
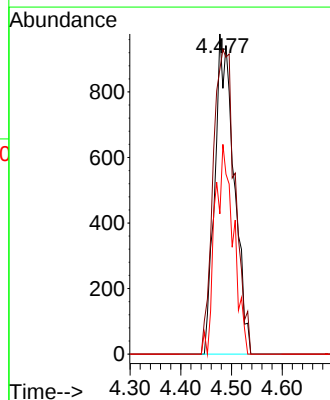
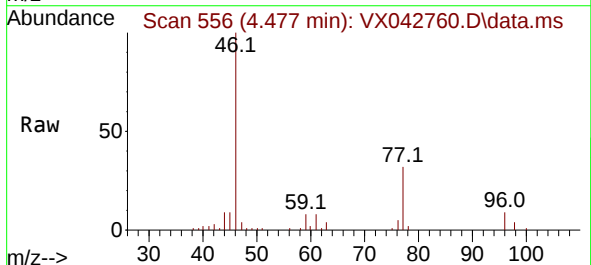
RT: 4.477 min Scan# 556

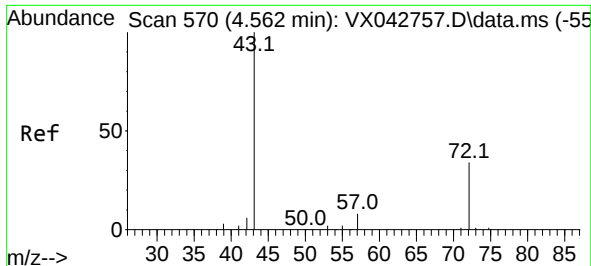
Delta R.T. -0.006 min

Lab File: VX042760.D

Acq: 31 Jul 2024 10:07

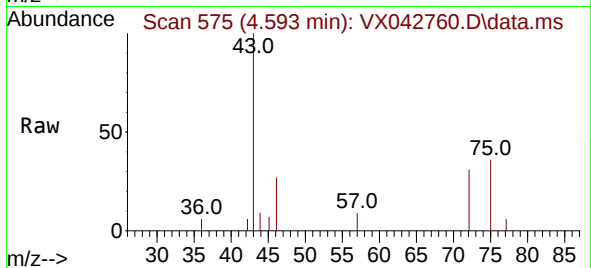
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 2556  |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 89.0  | 85.3  | 158.3 |
| 98        | 43.8  | 42.7  | 79.3  |





#22  
2-Butanone  
Concen: 4.659 ug/L m  
RT: 4.593 min Scan# 51  
Delta R.T. 0.030 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

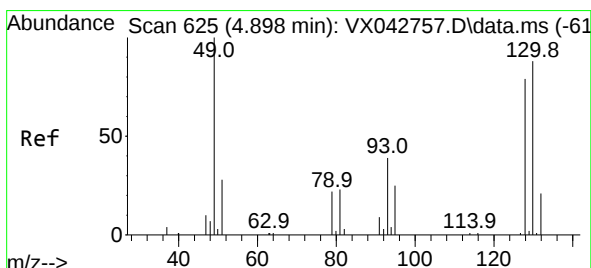
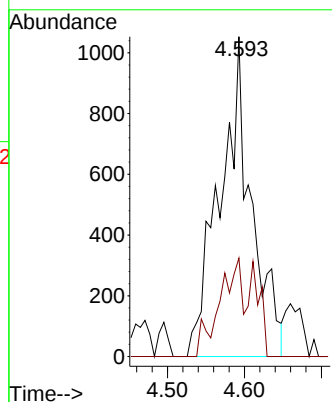
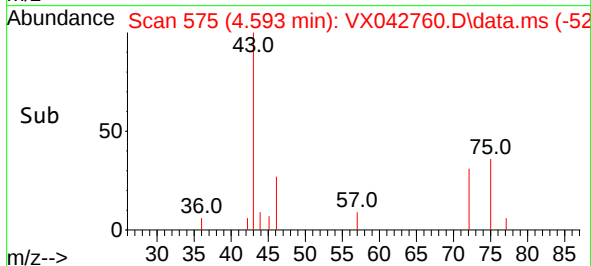
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06



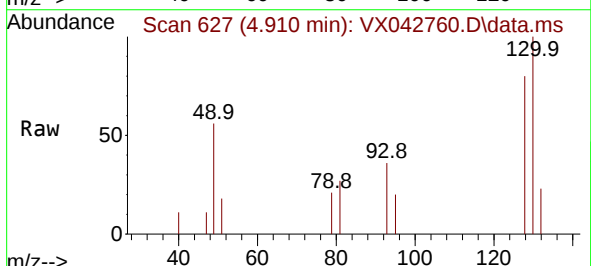
Tgt Ion: 43 Resp: 298  
Ion Ratio Lower Upper  
43 100  
72 3.3 13.4 40.2

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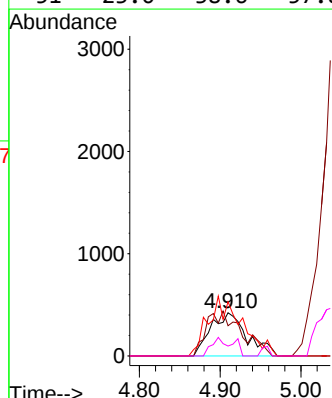
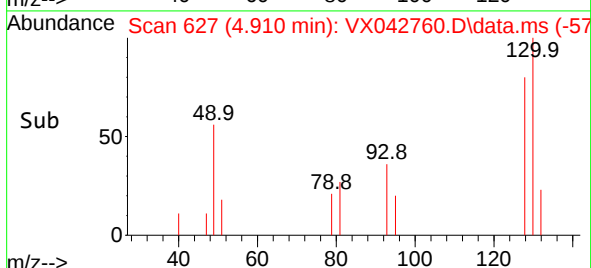
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024

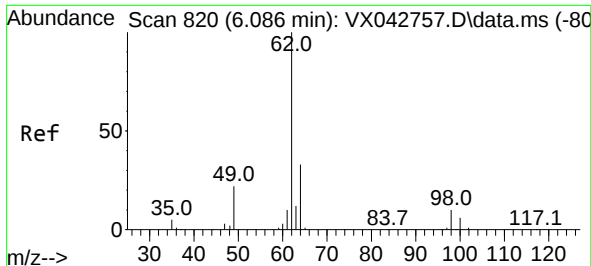


#23  
Bromochloromethane  
Concen: 3.051 ug/L m  
RT: 4.910 min Scan# 627  
Delta R.T. 0.012 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07



Tgt Ion:128 Resp: 1310  
Ion Ratio Lower Upper  
128 100  
49 70.1 107.0 198.6#  
130 125.6 85.5 158.9  
51 23.0 38.6 57.8#





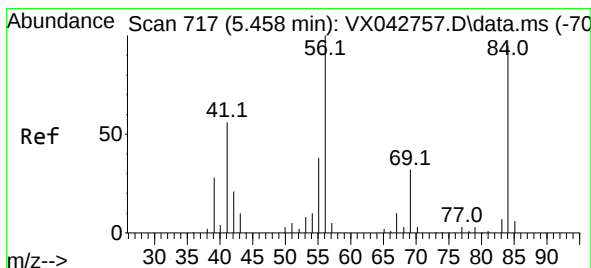
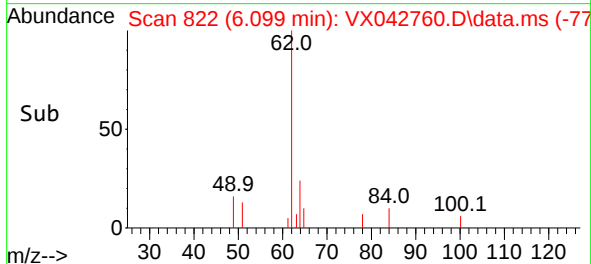
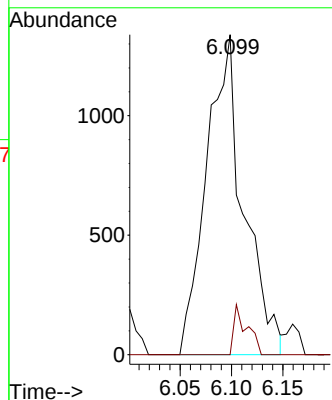
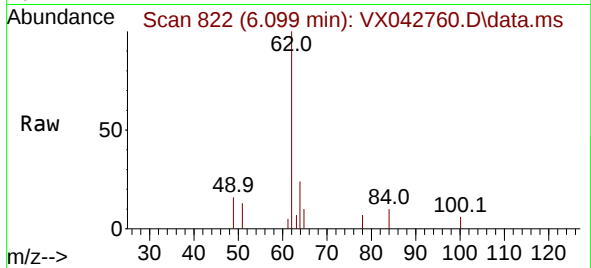
#27  
1,2-Dichloroethane  
Concen: 2.620 ug/L  
RT: 6.099 min Scan# 81  
Delta R.T. 0.012 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06

Tgt Ion: 62 Resp: 336  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.1 10.7

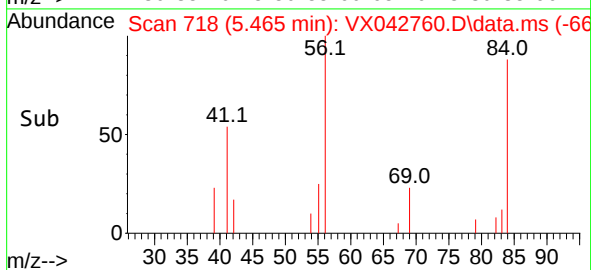
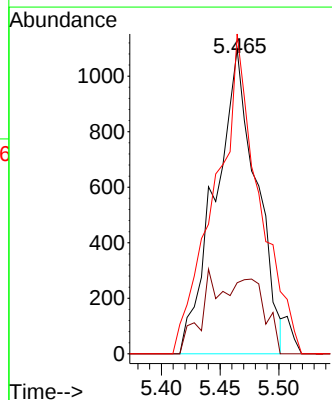
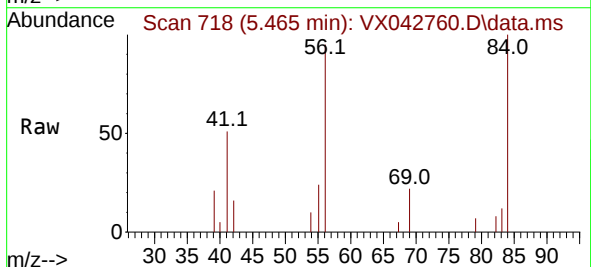
Manual Integrations  
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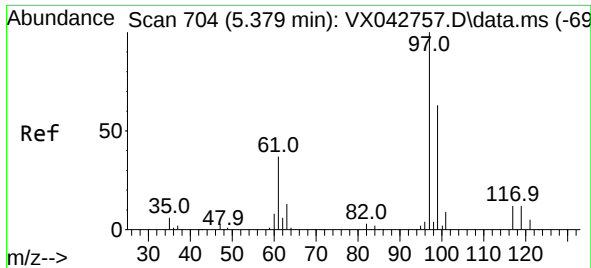
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#29  
Cyclohexane  
Concen: 2.087 ug/L  
RT: 5.465 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Tgt Ion: 56 Resp: 2674  
Ion Ratio Lower Upper  
56 100  
69 17.8 26.1 39.1#  
84 73.3 75.5 113.3#





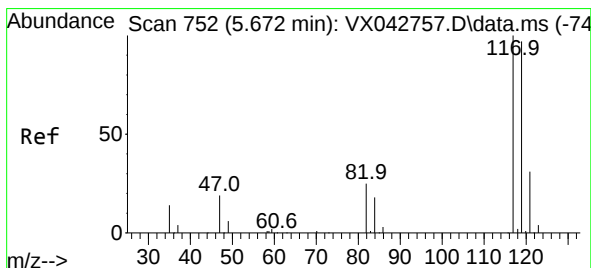
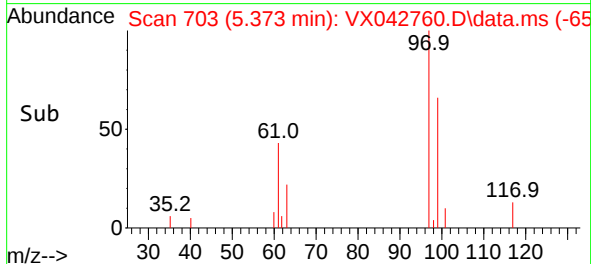
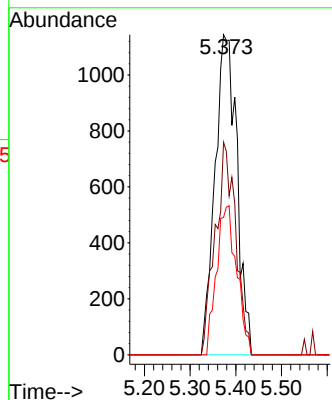
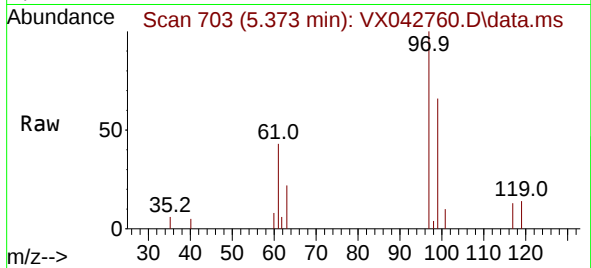
#30  
1,1,1-Trichloroethane  
Concen: 2.745 ug/L m  
RT: 5.373 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06

Tgt Ion: 97 Resp: 380  
Ion Ratio Lower Upper  
97 100  
99 9.5 51.4 77.0  
61 42.8 34.4 51.6

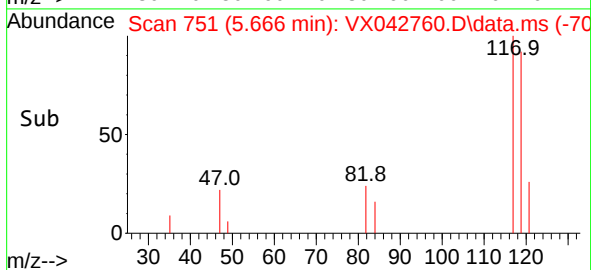
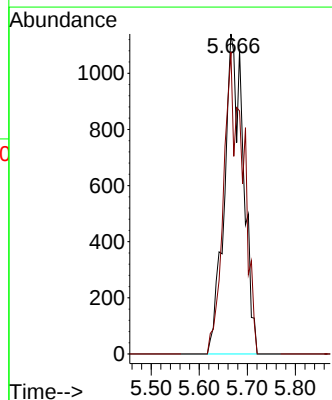
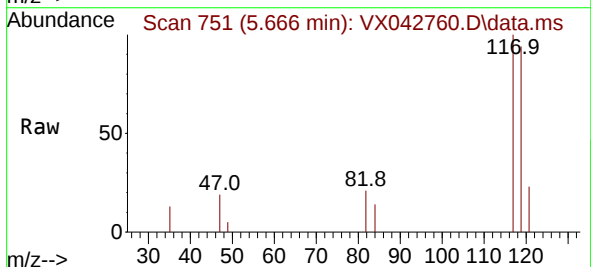
Manual Integrations  
APPROVED

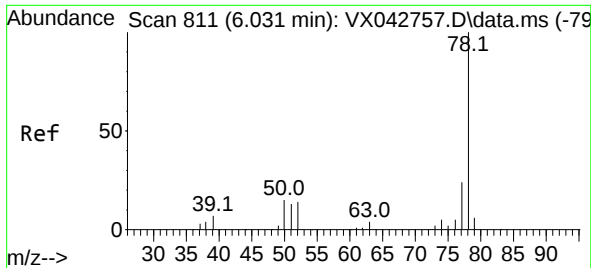
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#31  
Carbon tetrachloride  
Concen: 2.688 ug/L m  
RT: 5.666 min Scan# 751  
Delta R.T. -0.006 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Tgt Ion:117 Resp: 3143  
Ion Ratio Lower Upper  
117 100  
119 52.0 76.2 114.2#





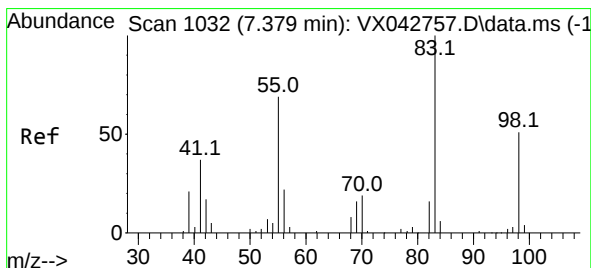
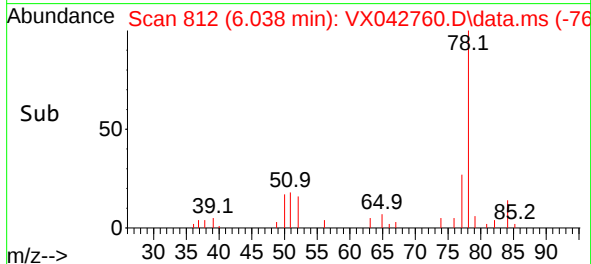
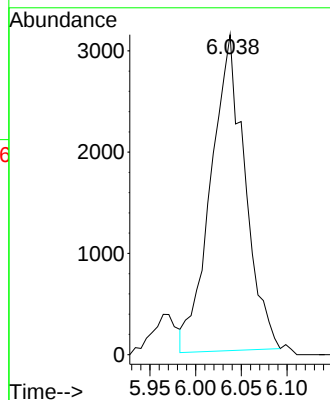
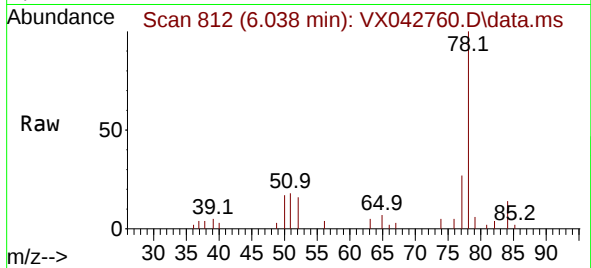
#33  
Benzene  
Concen: 2.436 ug/L  
RT: 6.038 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06

Tgt Ion: 78 Resp: 808

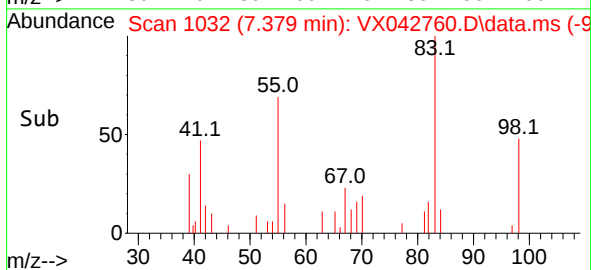
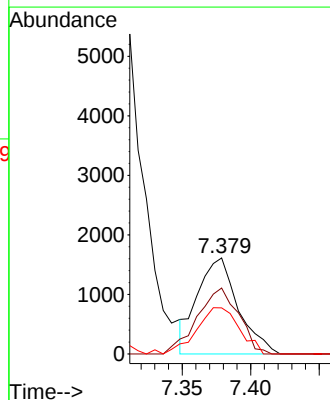
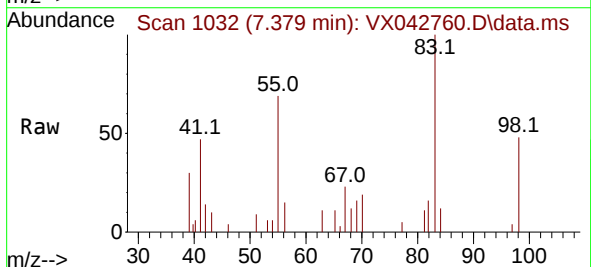
Manual Integrations  
APPROVED

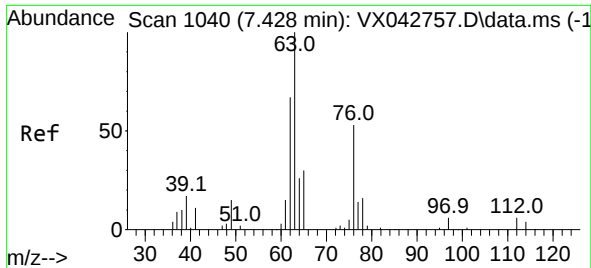
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#35  
Methylcyclohexane  
Concen: 2.473 ug/L  
RT: 7.379 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Tgt Ion: 83 Resp: 3317  
Ion Ratio Lower Upper  
83 100  
55 70.2 58.2 87.2  
98 50.5 38.5 57.7





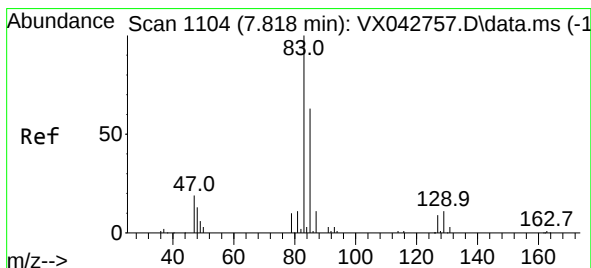
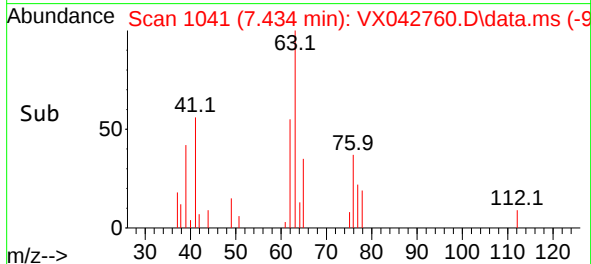
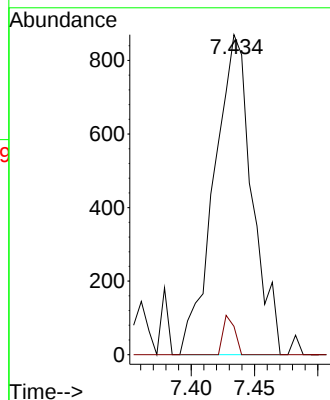
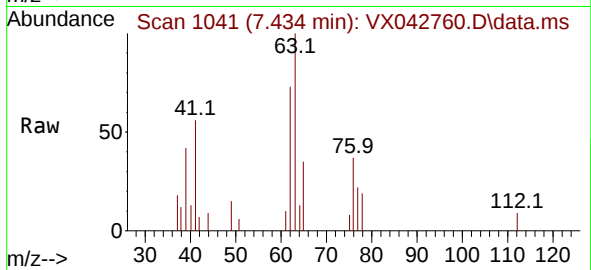
#37  
1,2-Dichloropropane  
Concen: 2.105 ug/L  
RT: 7.434 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06

Tgt Ion: 63 Resp: 181  
Ion Ratio Lower Upper  
63 100  
112 3.7 3.7 5.5

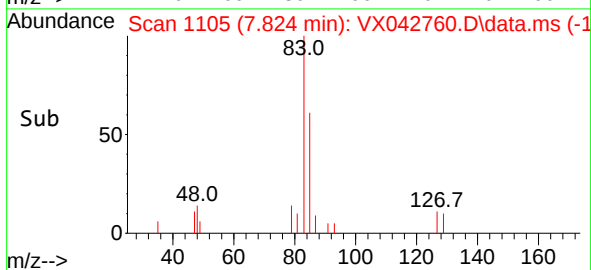
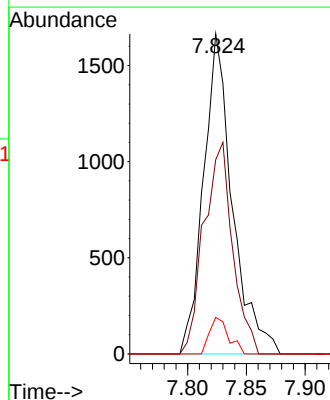
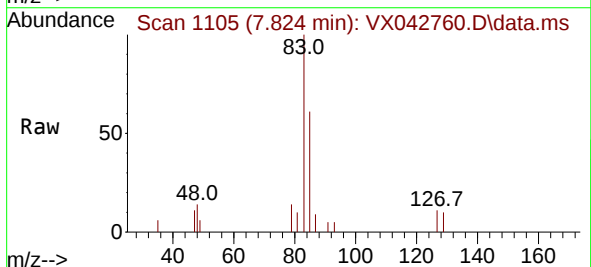
Manual Integrations  
APPROVED

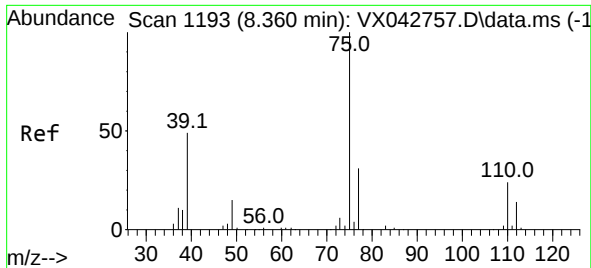
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#38  
Bromodichloromethane  
Concen: 2.555 ug/L  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Tgt Ion: 83 Resp: 2847  
Ion Ratio Lower Upper  
83 100  
85 60.7 43.7 81.1  
127 11.4 6.5 9.7#





#39

cis-1,3-Dichloropropene

Concen: 2.290 ug/L

RT: 8.373 min Scan# 1195

Delta R.T. 0.012 min

Lab File: VX042760.D

Acq: 31 Jul 2024 10:07

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-QT3-2024-06

Tgt Ion: 75 Resp: 303

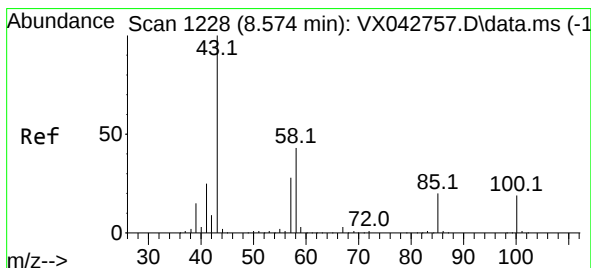
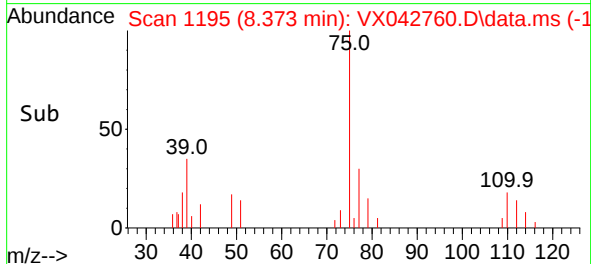
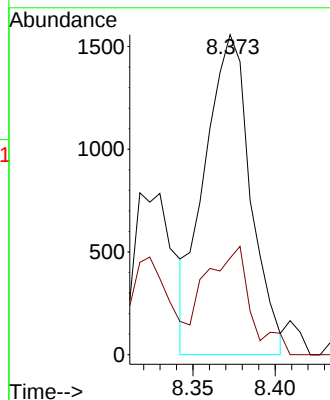
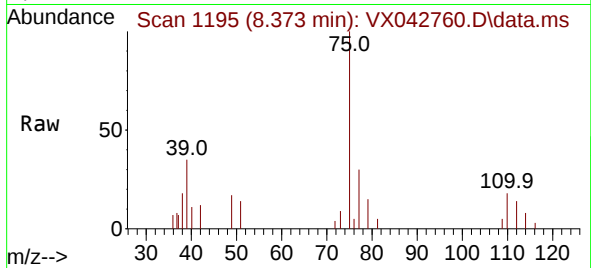
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 30.2  | 21.4  | 39.8  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#40

4-Methyl-2-pentanone

Concen: 3.909 ug/L

RT: 8.580 min Scan# 1229

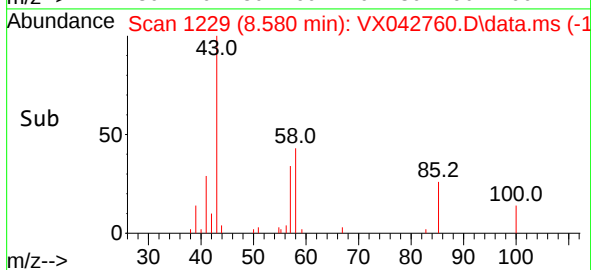
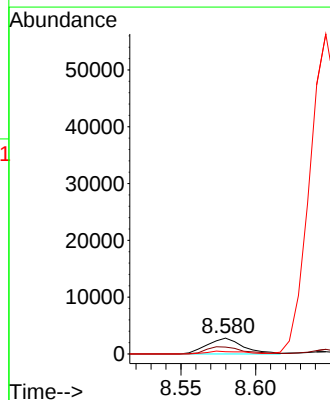
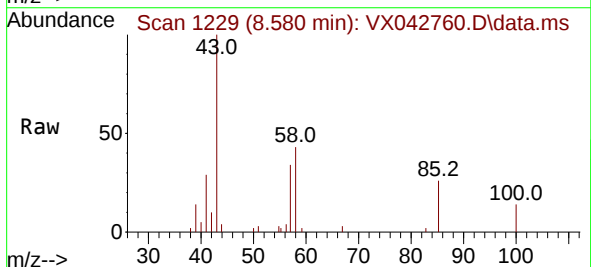
Delta R.T. 0.006 min

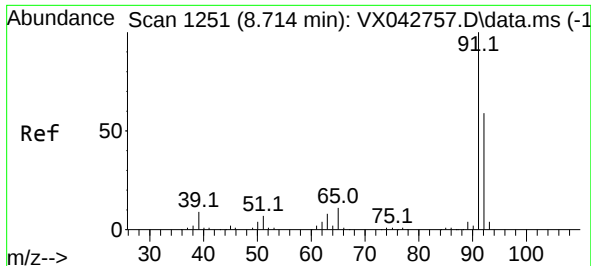
Lab File: VX042760.D

Acq: 31 Jul 2024 10:07

Tgt Ion: 43 Resp: 4637

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 45.9  | 32.4  | 48.6  |
| 100 | 12.9  | 13.4  | 20.0  |





#42

Toluene

Concen: 2.542 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX042760.D

Acq: 31 Jul 2024 10:07

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-QT3-2024-06

Tgt Ion: 91 Resp: 868

Ion Ratio Lower Upper

91 100

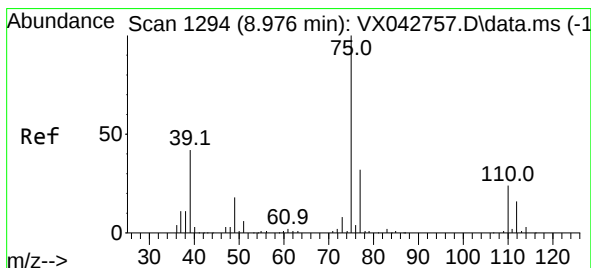
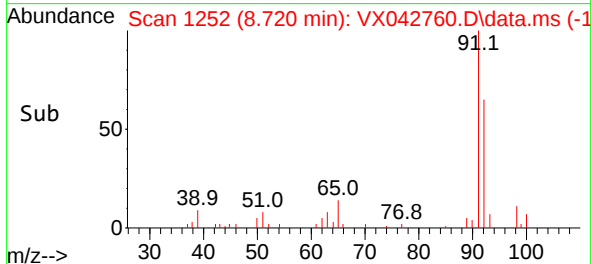
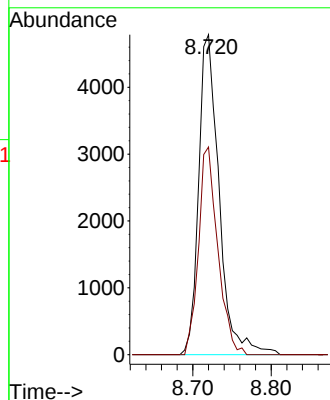
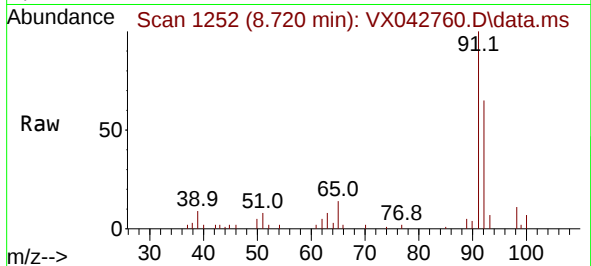
92 64.9 41.9 77.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#44

trans-1,3-Dichloropropene

Concen: 3.270 ug/L

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX042760.D

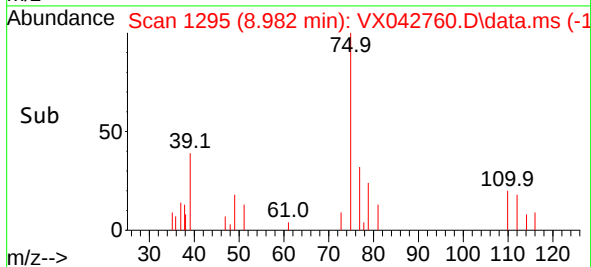
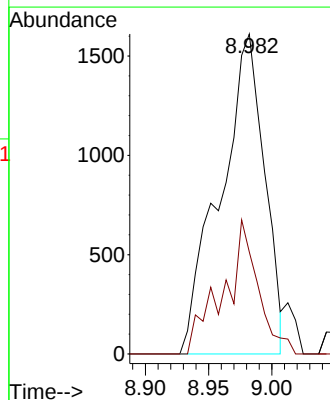
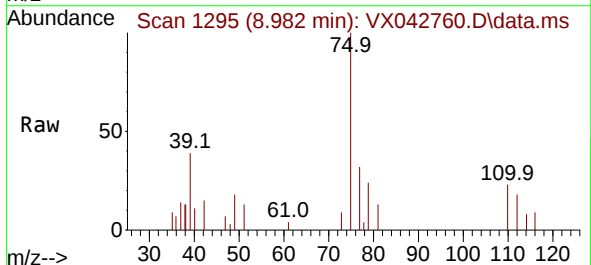
Acq: 31 Jul 2024 10:07

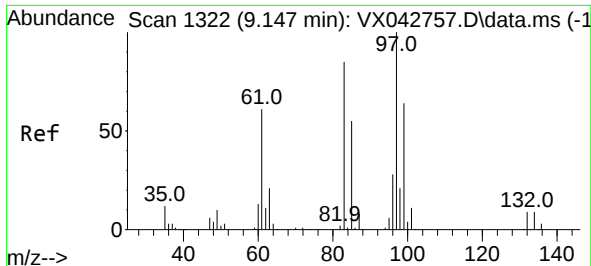
Tgt Ion: 75 Resp: 3922

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 2.475 ug/L

RT: 9.153 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX042760.D

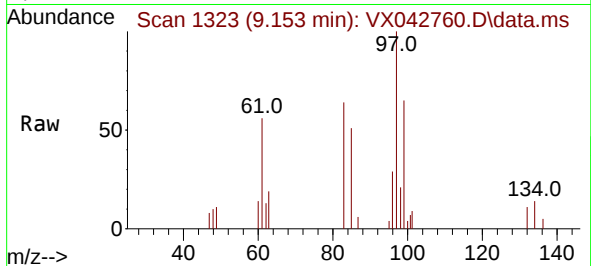
Acq: 31 Jul 2024 10:07

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-QT3-2024-06



Tgt Ion: 97 Resp: 215

Ion Ratio Lower Upper

97 100

99 64.8 42.6 79.2

83 64.5 59.3 110.1

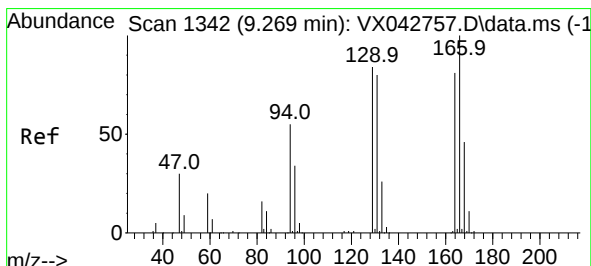
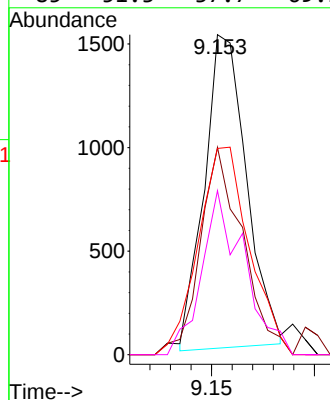
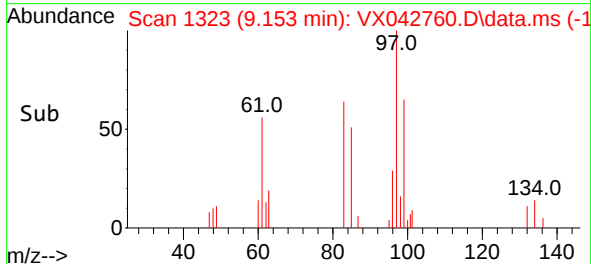
85 51.3 37.7 69.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#46

Tetrachloroethene

Concen: 2.796 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX042760.D

Acq: 31 Jul 2024 10:07

Tgt Ion:164 Resp: 1690

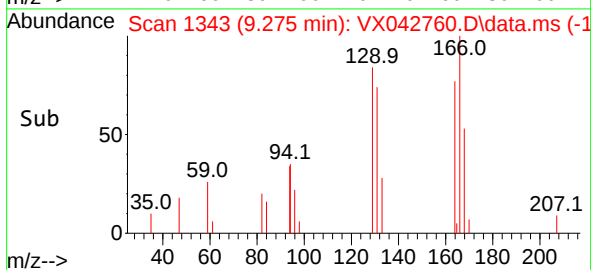
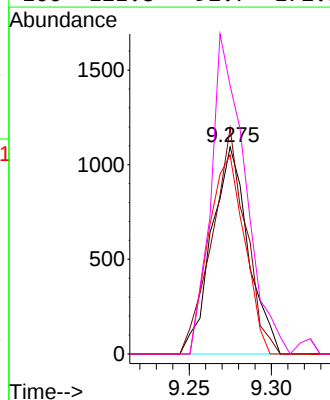
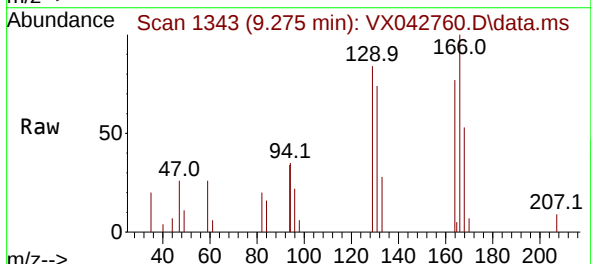
Ion Ratio Lower Upper

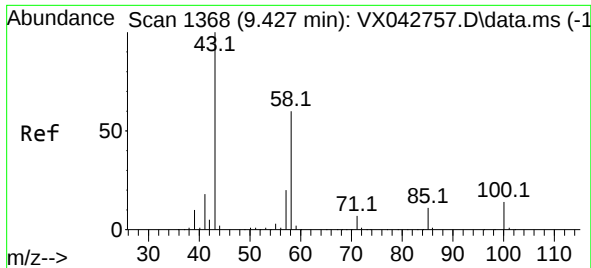
164 100

129 102.6 74.2 137.8

131 90.3 66.9 124.3

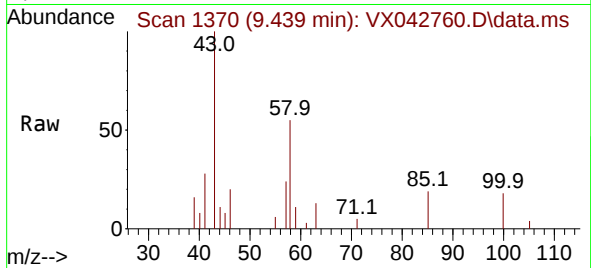
166 121.8 92.7 172.1





#48  
2-Hexanone  
Concen: 4.581 ug/L  
RT: 9.439 min Scan# 1370  
Delta R.T. 0.012 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

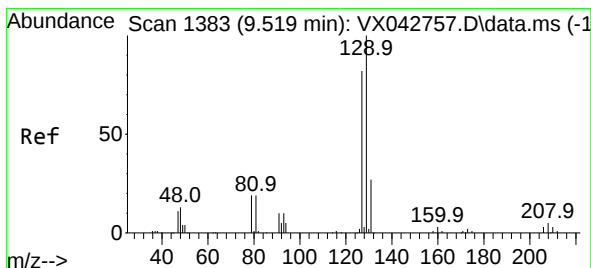
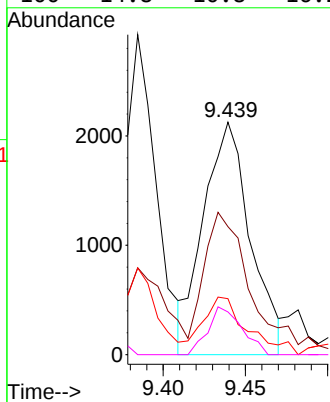
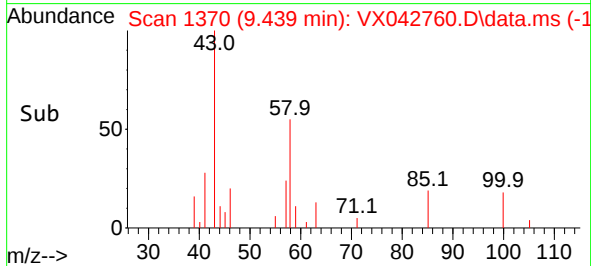
Instrument : MSVOA\_X  
ClientSampleId : MDL-WATER-QT3-2024-06



Tgt Ion: 43 Resp: 4220  
Ion Ratio Lower Upper  
43 100  
58 46.2 44.9 67.3  
57 23.0 15.8 23.6  
100 14.8 10.8 16.2

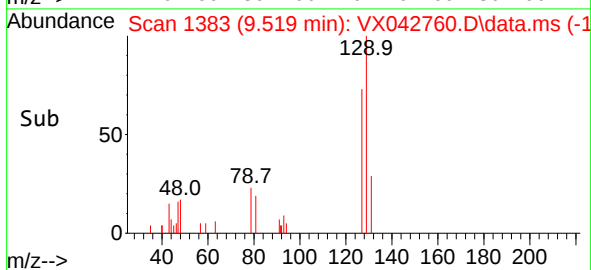
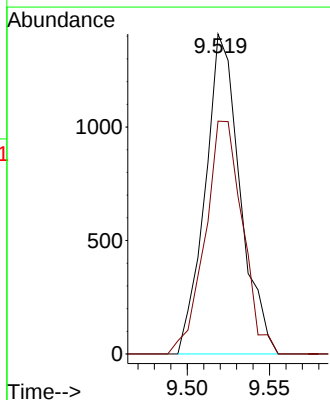
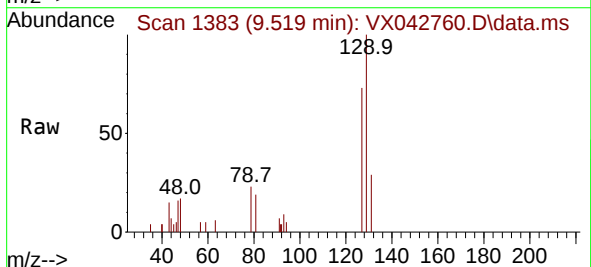
Manual Integrations  
APPROVED

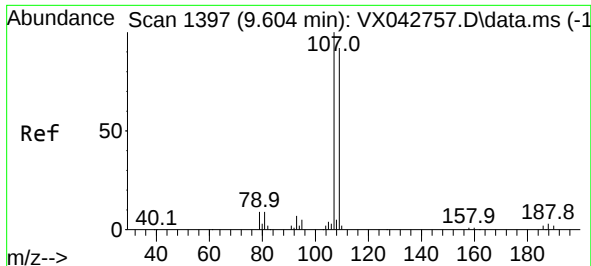
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#49  
Dibromochloromethane  
Concen: 2.559 ug/L  
RT: 9.519 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

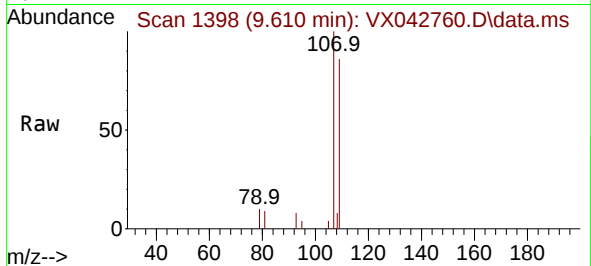
Tgt Ion:129 Resp: 2081  
Ion Ratio Lower Upper  
129 100  
127 72.8 57.4 106.6





#50  
1,2-Dibromoethane  
Concen: 2.909 ug/L  
RT: 9.610 min Scan# 1397  
Delta R.T. 0.006 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

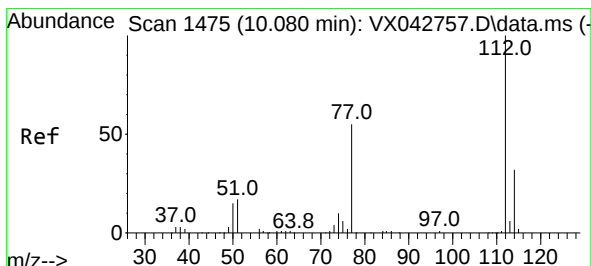
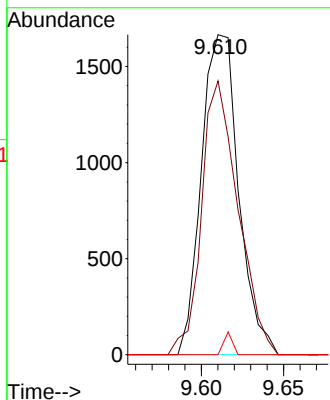
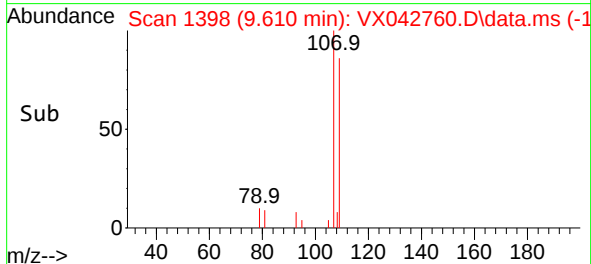
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06



Tgt Ion:107 Resp: 2634  
Ion Ratio Lower Upper  
107 100  
109 85.5 65.4 121.4  
188 0.0 2.2 3.2

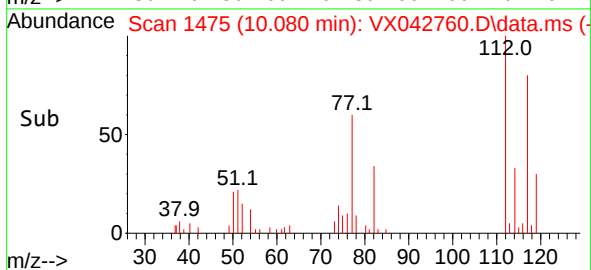
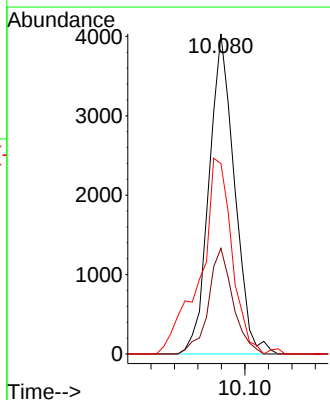
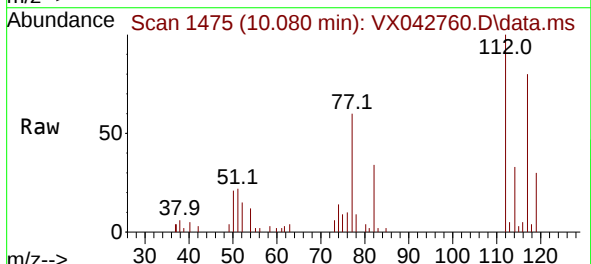
Manual Integrations  
APPROVED

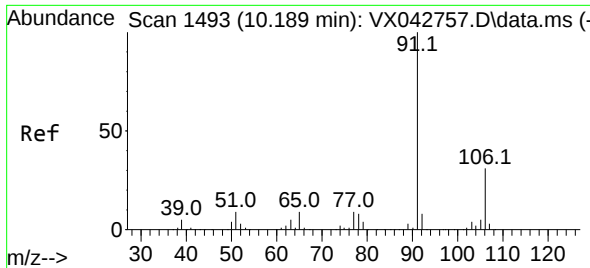
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#51  
Chlorobenzene  
Concen: 2.747 ug/L  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Tgt Ion:112 Resp: 6069  
Ion Ratio Lower Upper  
112 100  
114 33.0 23.2 43.2  
77 59.5 46.3 69.5





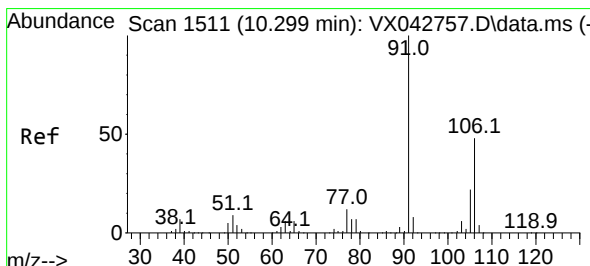
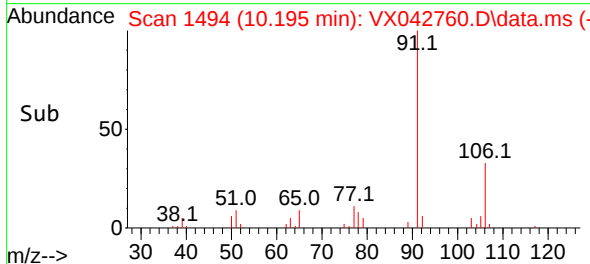
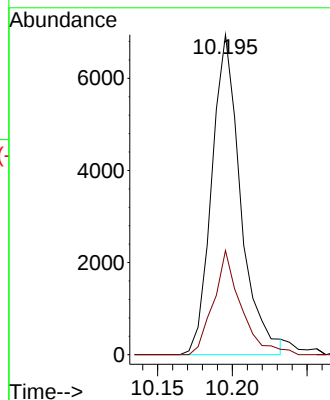
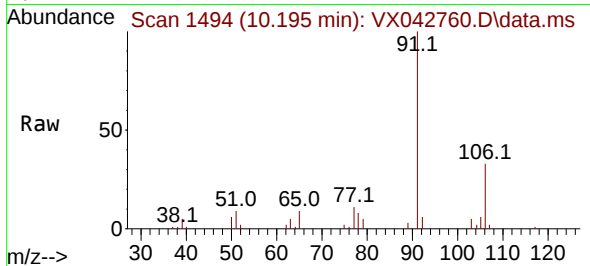
#52  
Ethylbenzene  
Concen: 2.492 ug/L  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06

Tgt Ion: 91 Resp: 9340  
Ion Ratio Lower Upper  
91 100  
106 32.5 21.8 40.4

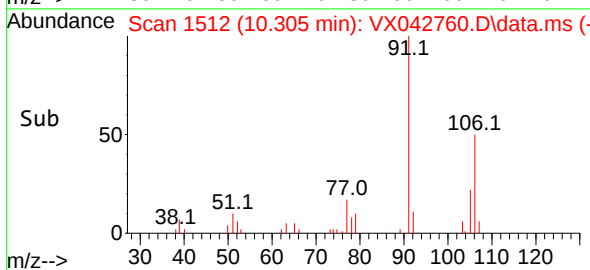
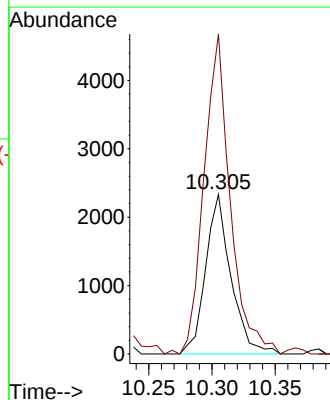
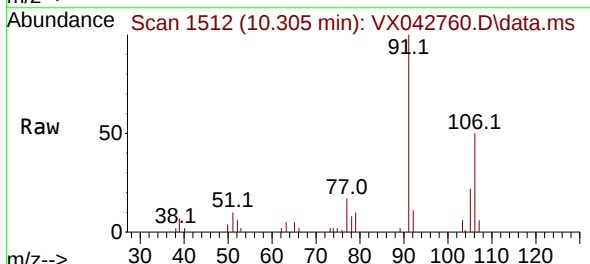
Manual Integrations  
APPROVED

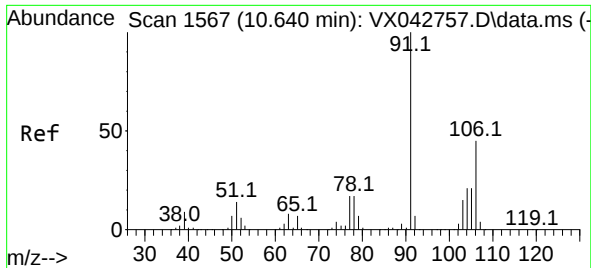
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#53  
m,p-Xylene  
Concen: 2.305 ug/L  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

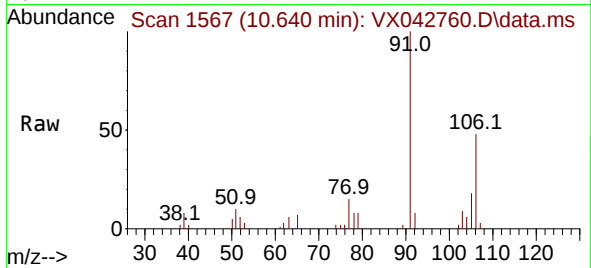
Tgt Ion:106 Resp: 3254  
Ion Ratio Lower Upper  
106 100  
91 200.5 146.8 272.6





#54  
o-Xylene  
Concen: 2.635 ug/L  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

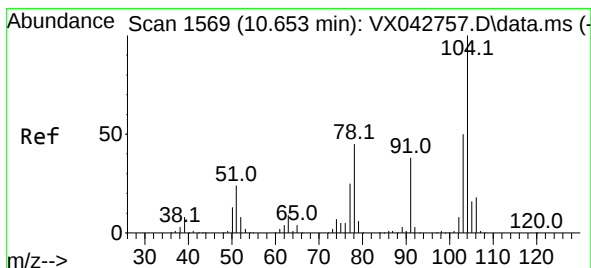
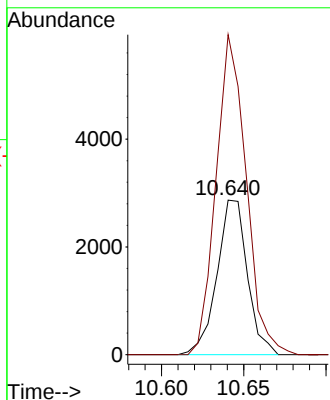
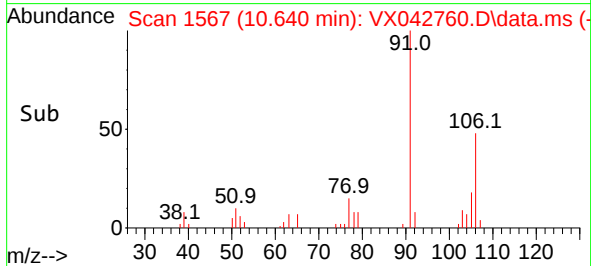
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06



Tgt Ion:106 Resp: 3700  
Ion Ratio Lower Upper  
106 100  
91 207.0 154.6 287.2

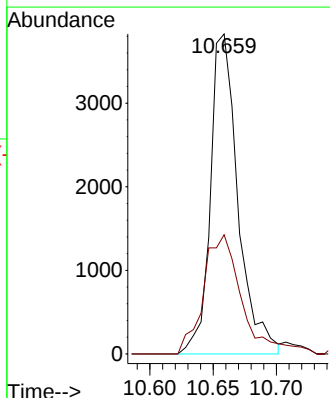
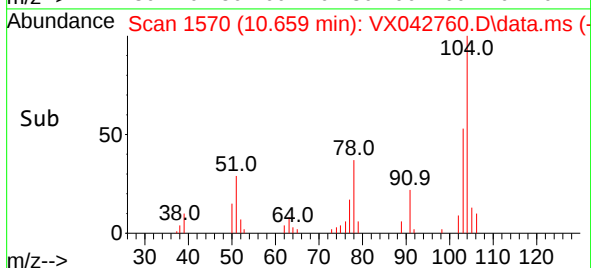
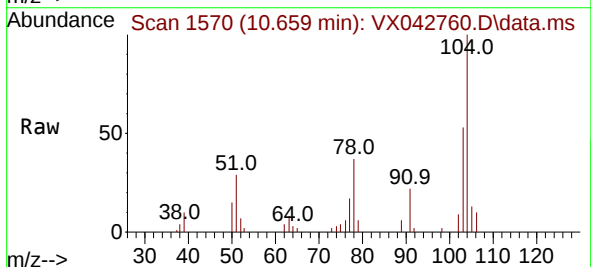
Manual Integrations  
APPROVED

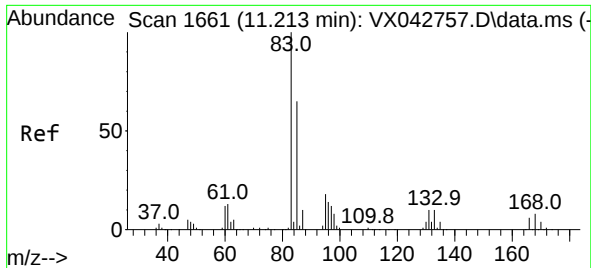
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#55  
Styrene  
Concen: 2.486 ug/L  
RT: 10.659 min Scan# 1570  
Delta R.T. 0.006 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Tgt Ion:104 Resp: 5820  
Ion Ratio Lower Upper  
104 100  
78 37.3 32.6 60.5





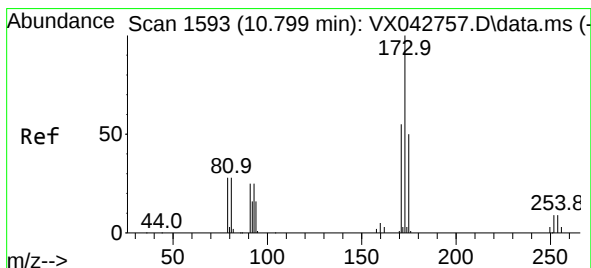
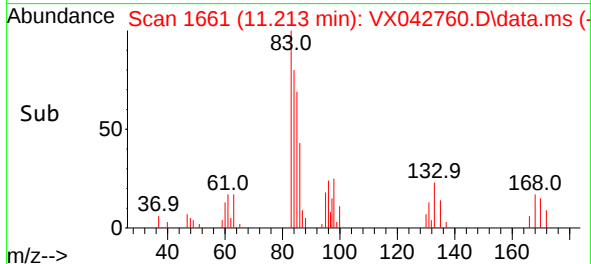
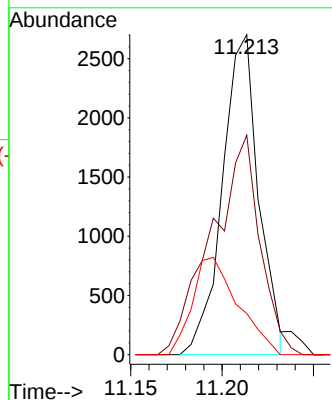
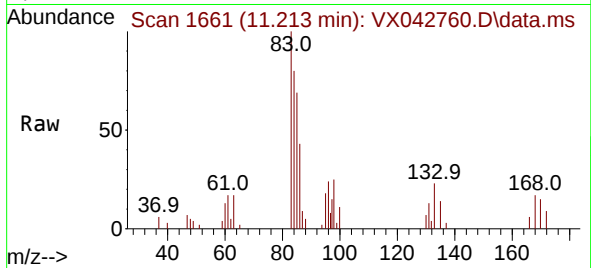
#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.675 ug/L  
RT: 11.213 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06

Tgt Ion: 83 Resp: 3725  
Ion Ratio Lower Upper  
83 100  
85 68.6 46.1 85.5  
131 12.9 8.6 13.0

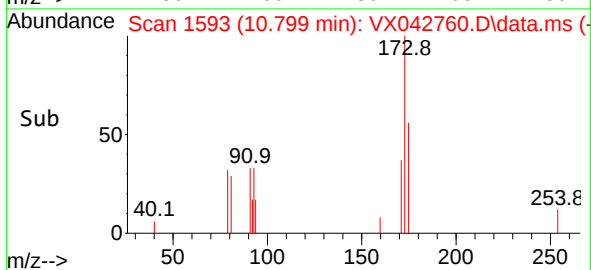
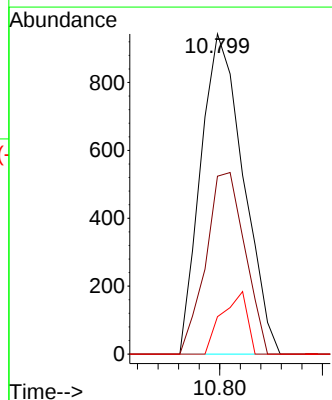
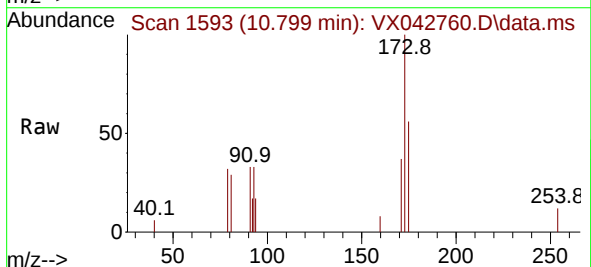
Manual Integrations  
APPROVED

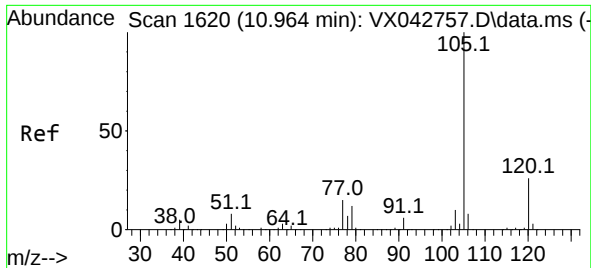
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#59  
Bromoform  
Concen: 2.503 ug/L  
RT: 10.799 min Scan# 1593  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

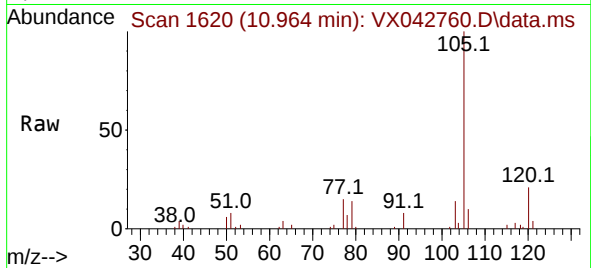
Tgt Ion:173 Resp: 1358  
Ion Ratio Lower Upper  
173 100  
175 51.9 37.4 56.2  
254 11.6 6.8 10.2#





#60  
Isopropylbenzene  
Concen: 2.479 ug/L  
RT: 10.964 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

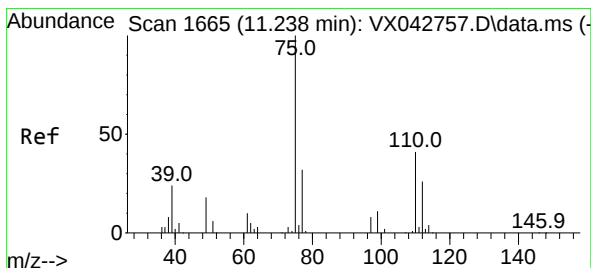
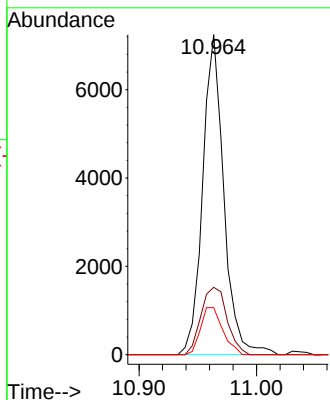
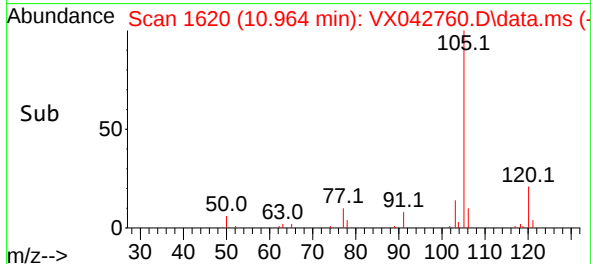
Instrument : MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06



Tgt Ion:105 Resp: 9058  
Ion Ratio Lower Upper  
105 100  
120 25.8 21.0 31.6  
77 15.5 12.9 19.3

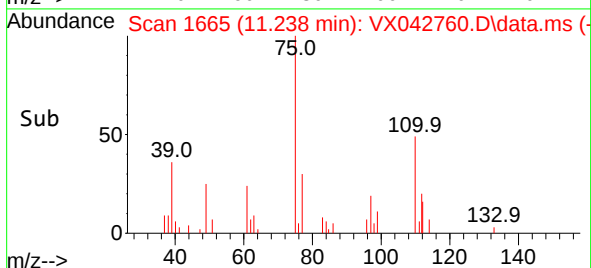
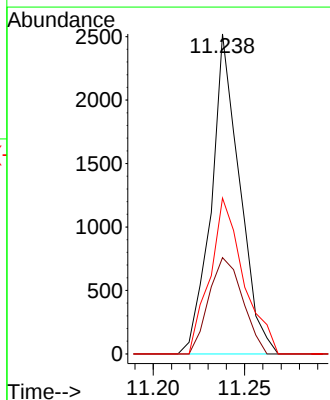
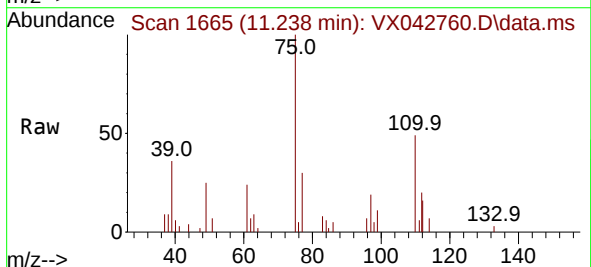
Manual Integrations  
APPROVED

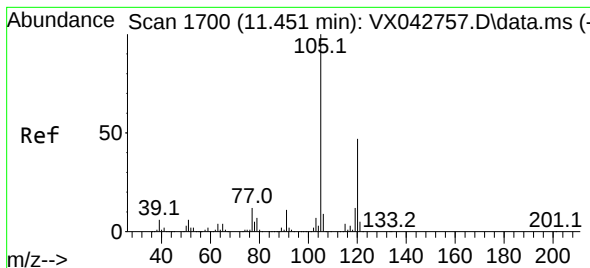
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024



#61  
1,2,3-Trichloropropane  
Concen: 2.445 ug/L  
RT: 11.238 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

Tgt Ion: 75 Resp: 2735  
Ion Ratio Lower Upper  
75 100  
77 35.5 26.2 39.4  
110 57.3 33.0 49.4#





#62

1,3,5-Trimethylbenzene

Concen: 2.392 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX042760.D

Acq: 31 Jul 2024 10:07

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-QT3-2024-06

Tgt Ion:105 Resp: 7269

Ion Ratio Lower Upper

105 100

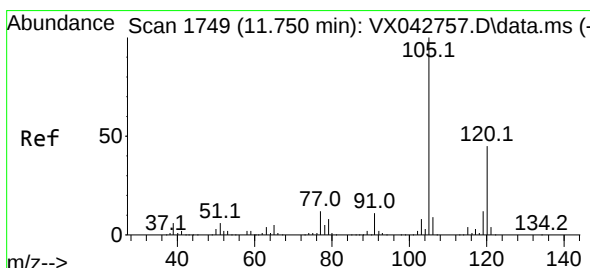
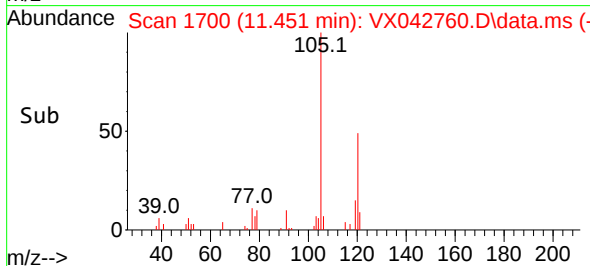
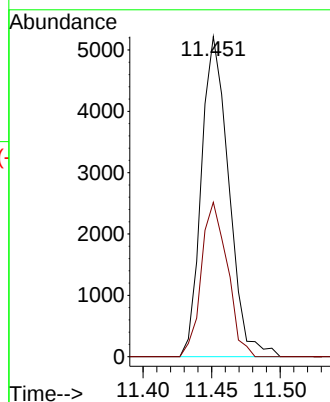
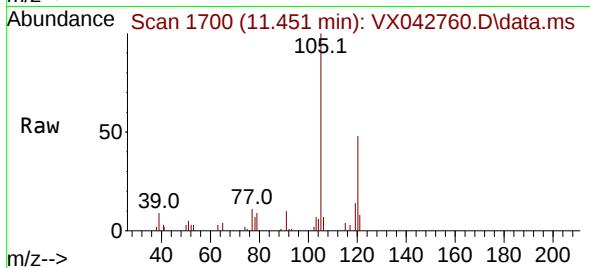
120 45.8 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#63

1,2,4-Trimethylbenzene

Concen: 2.261 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX042760.D

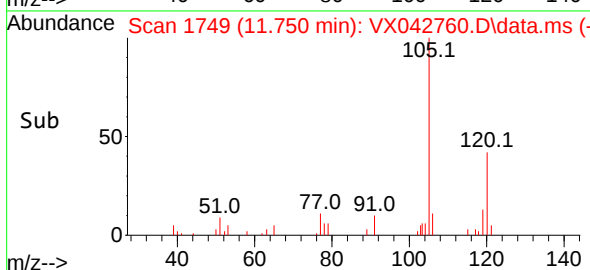
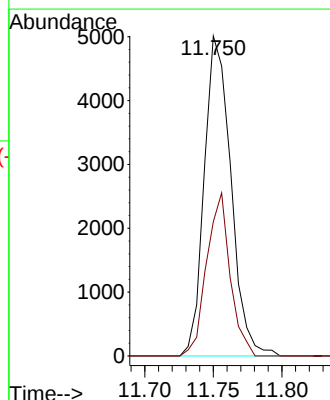
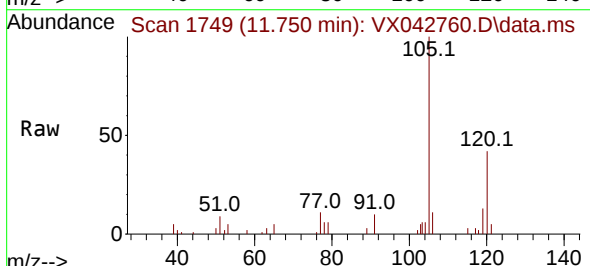
Acq: 31 Jul 2024 10:07

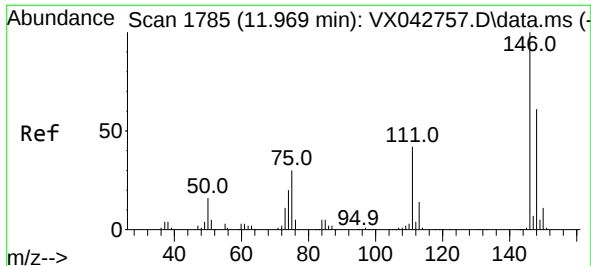
Tgt Ion:105 Resp: 6783

Ion Ratio Lower Upper

105 100

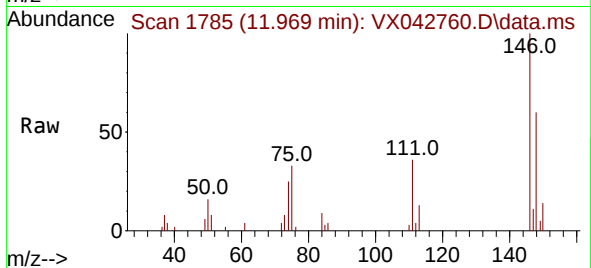
120 44.8 35.2 52.8





#64  
1,3-Dichlorobenzene  
Concen: 2.818 ug/L  
RT: 11.969 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

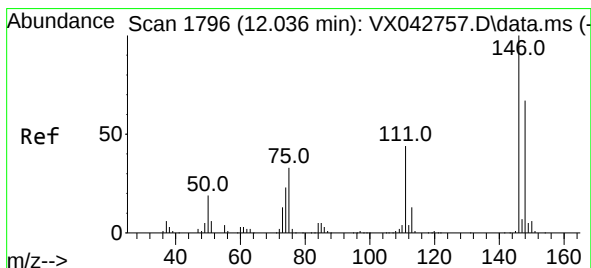
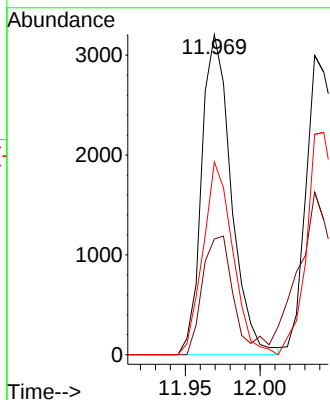
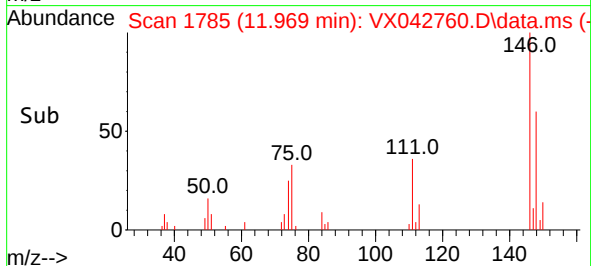
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-QT3-2024-06



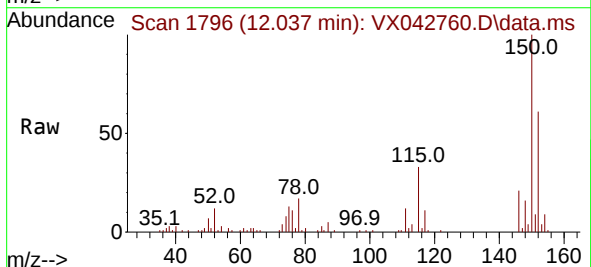
Tgt Ion:146 Resp: 4428  
Ion Ratio Lower Upper  
146 100  
111 36.2 30.4 56.5  
148 60.2 47.7 88.7

Manual Integrations  
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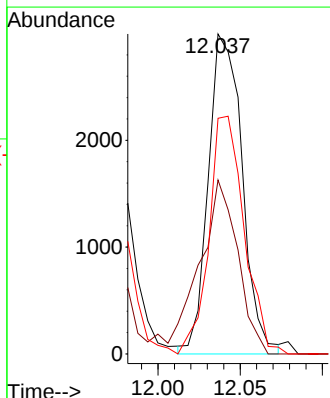
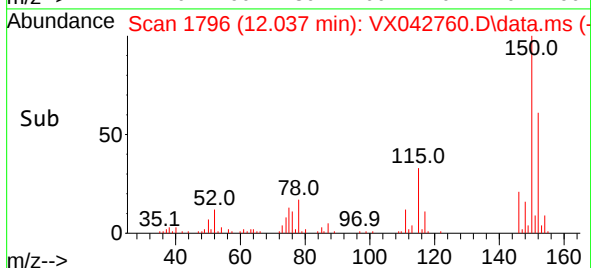
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024

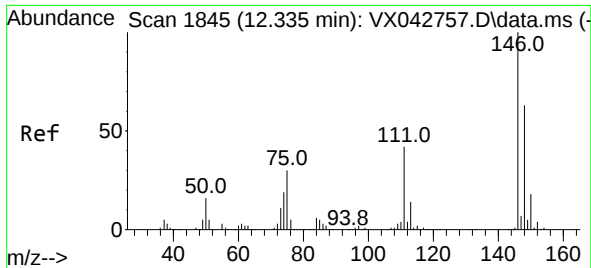


#65  
1,4-Dichlorobenzene  
Concen: 2.709 ug/L  
RT: 12.037 min Scan# 1796  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07



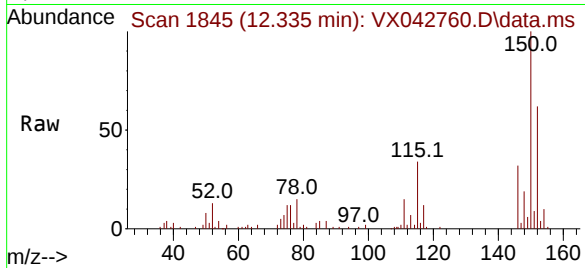
Tgt Ion:146 Resp: 4287  
Ion Ratio Lower Upper  
146 100  
111 54.4 27.9 51.7#  
148 73.6 44.1 81.9





#67  
1,2-Dichlorobenzene  
Concen: 3.086 ug/L  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07

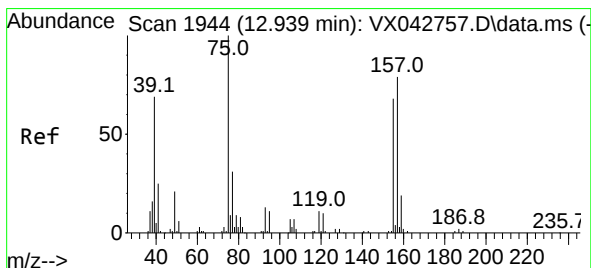
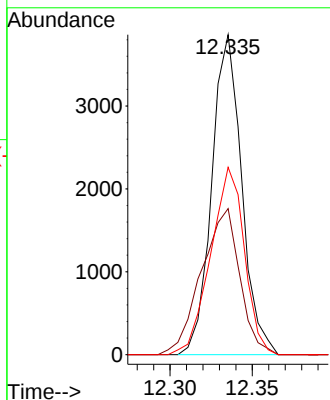
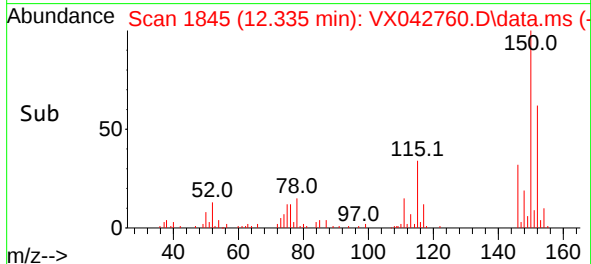
Instrument : MSVOA\_X  
ClientSampleId : MDL-WATER-QT3-2024-06



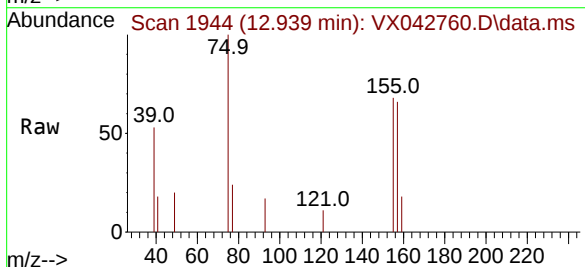
Tgt Ion:146 Resp: 488  
Ion Ratio Lower Upper  
146 100  
111 45.7 35.3 52.9  
148 58.5 52.7 79.1

Manual Integrations  
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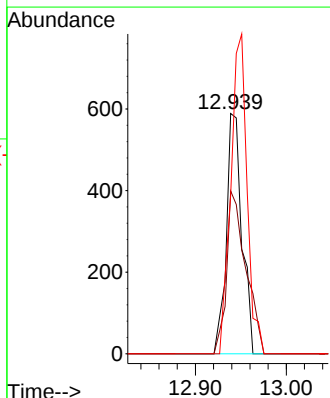
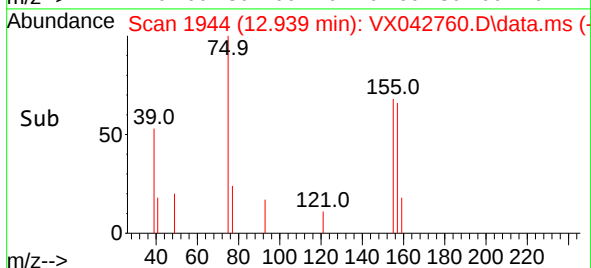
Reviewed By :John Carlone 08/01/2024  
Supervised By :Mahesh Dadoda 08/01/2024

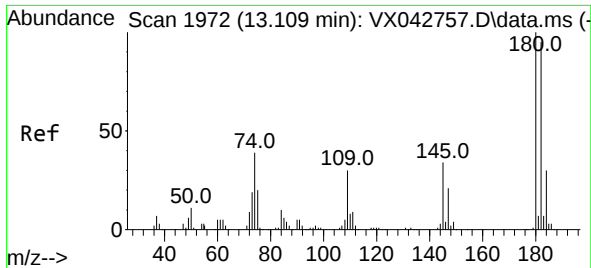


#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.336 ug/L m  
RT: 12.939 min Scan# 1944  
Delta R.T. 0.000 min  
Lab File: VX042760.D  
Acq: 31 Jul 2024 10:07



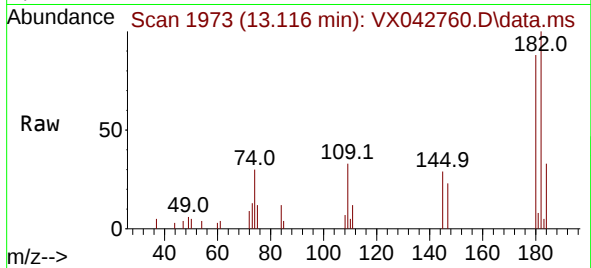
Tgt Ion: 75 Resp: 696  
Ion Ratio Lower Upper  
75 100  
155 67.7 65.1 97.7  
157 66.0 85.8 128.6#





#69  
 1,3,5-Trichlorobenzene  
 Concen: 2.753 ug/L  
 RT: 13.116 min Scan# 1972  
 Delta R.T. 0.006 min  
 Lab File: VX042760.D  
 Acq: 31 Jul 2024 10:07

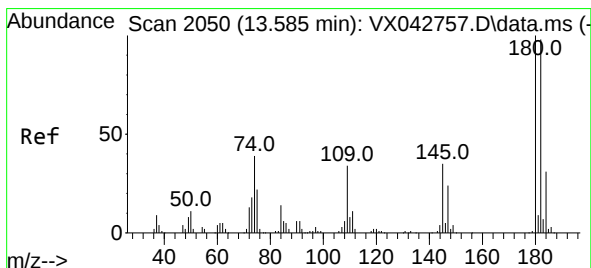
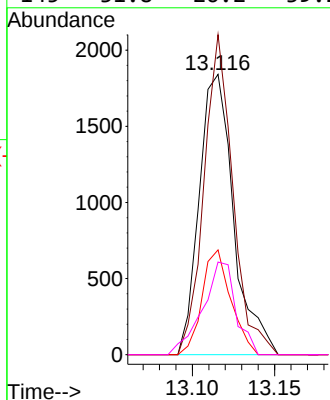
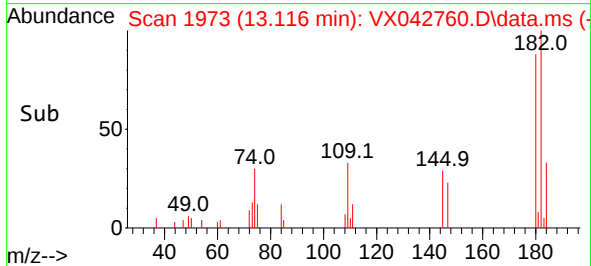
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-QT3-2024-06



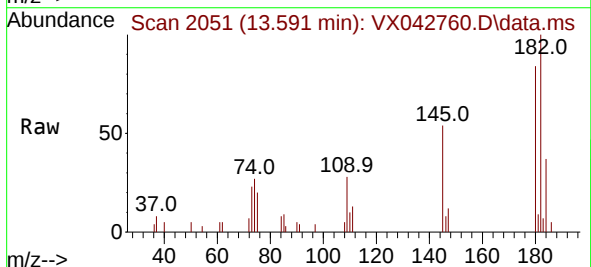
Tgt Ion:180 Resp: 268  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 75.4 113.0  
 184 31.3 23.4 35.0  
 145 31.8 26.2 39.2

Manual Integrations  
 APPROVED

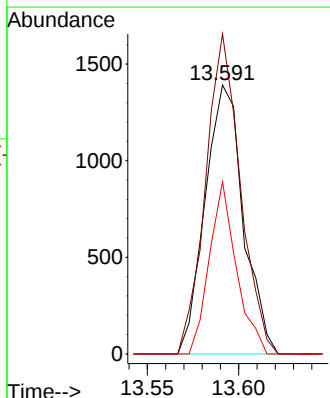
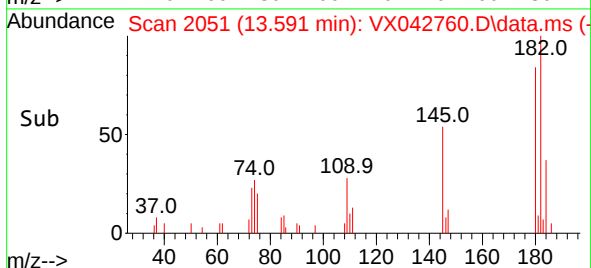
Reviewed By :John Carlone 08/01/2024  
 Supervised By :Mahesh Dadoda 08/01/2024

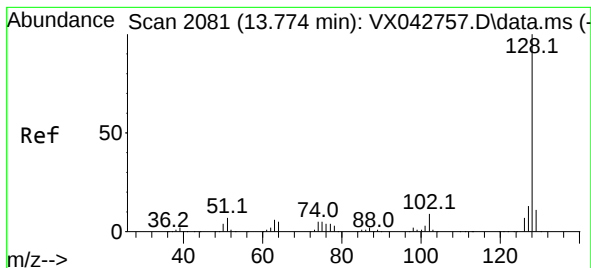


#70  
 1,2,4-trichlorobenzene  
 Concen: 2.366 ug/L  
 RT: 13.591 min Scan# 2051  
 Delta R.T. 0.006 min  
 Lab File: VX042760.D  
 Acq: 31 Jul 2024 10:07



Tgt Ion:180 Resp: 2022  
 Ion Ratio Lower Upper  
 180 100  
 182 107.9 77.0 115.4  
 145 45.3 27.0 40.6#





#71

Naphthalene

Concen: 2.116 ug/L

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX042760.D

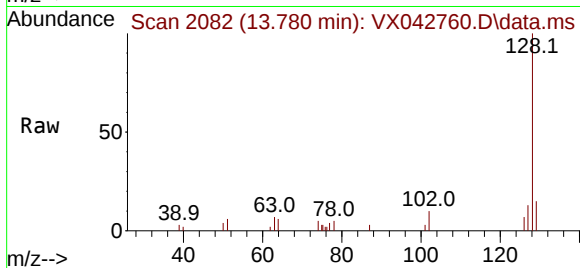
Acq: 31 Jul 2024 10:07

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-QT3-2024-06



Tgt Ion:128 Resp: 6970

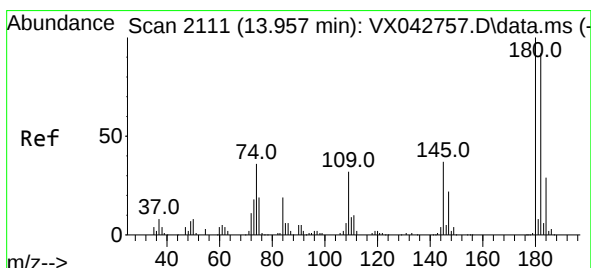
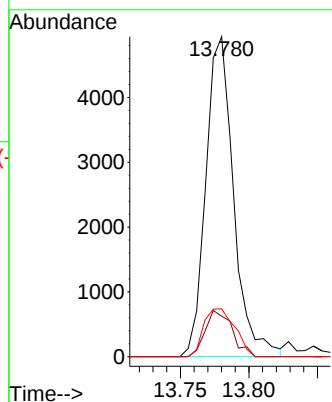
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 14.0  | 10.3  | 15.5  |
| 129 | 16.8  | 8.7   | 13.1  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2024

Supervised By :Mahesh Dadoda 08/01/2024



#72

1,2,3-Trichlorobenzene

Concen: 2.551 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX042760.D

Acq: 31 Jul 2024 10:07

Tgt Ion:180 Resp: 2258

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 99.9  | 76.2  | 114.2 |
| 145 | 30.5  | 27.6  | 41.4  |

