

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071322\  
 Data File : VU049700.D  
 Acq On : 13 Jul 2022 11:58  
 Operator : SY/MD  
 Sample : N3670-02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT2-2022-04

Quant Time: Jul 14 05:32:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 14 05:07:30 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 07/14/2022  
 Supervised By :Mahesh Dadoda 07/14/2022

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 206424     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 197855     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 89486      | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 66145      | 37.977   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 75.960%  |        |          |
| 7) Chloroethane-d5            | 1.903          | 69   | 54354      | 43.174   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 86.340%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.562          | 63   | 93598      | 30.424   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 60.840%  |        |          |
| 21) 2-Butanone-d5             | 4.623          | 46   | 160788     | 108.142  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 108.140% |        |          |
| 24) Chloroform-d              | 5.063          | 84   | 145508     | 47.169   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.340%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 104371     | 49.991   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 99.980%  |        |          |
| 32) Benzene-d6                | 5.726          | 84   | 274385     | 45.649   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.300%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 97278      | 48.115   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 96.240%  |        |          |
| 41) Toluene-d8                | 7.896          | 98   | 234005     | 44.705   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 89.400%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 39276      | 46.108   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 92.220%  |        |          |
| 47) 2-Hexanone-d5             | 8.632          | 63   | 88453      | 97.260   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 97.260%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754         | 84   | 138842     | 49.080   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 98.160%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 82380      | 48.826   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.660%  |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382          | 85   | 5178       | 2.093    | ug/L   | 100      |
| 3) Chloromethane              | 1.523          | 50   | 7028       | 2.588    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.600          | 62   | 6060       | 2.469    | ug/L   | 83       |
| 6) Bromomethane               | 1.845          | 94   | 2541       | 2.241    | ug/L   | 96       |
| 8) Chloroethane               | 1.925          | 64   | 3471       | 2.553    | ug/L   | 89       |
| 9) Trichlorofluoromethane     | 2.134          | 101  | 6699       | 2.210    | ug/L   | 94       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575          | 101  | 4567       | 2.872    | ug/L # | 80       |
| 12) 1,1-Dichloroethene        | 2.578          | 96   | 3823       | 2.590    | ug/L # | 1        |
| 13) Acetone                   | 2.633          | 43   | 8757       | 6.197    | ug/L   | 95       |
| 14) Carbon disulfide          | 2.790          | 76   | 10543      | 2.118    | ug/L   | 97       |
| 15) Methyl Acetate            | 2.951          | 43   | 6655       | 2.899    | ug/L # | 91       |
| 16) Methylene chloride        | 3.041          | 84   | 5583       | 3.004    | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.353          | 96   | 3997       | 2.476    | ug/L   | 90       |
| 18) Methyl tert-butyl Ether   | 3.362          | 73   | 14048      | 2.540    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.867          | 63   | 8895       | 2.646    | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 4.668          | 96   | 4646       | 2.560    | ug/L   | 95       |
| 22) 2-Butanone                | 4.713          | 43   | 10669      | 5.640    | ug/L   | 100      |
| 23) Bromochloromethane        | 4.970          | 128  | 2366       | 2.613    | ug/L   | 76       |
| 27) 1,2-Dichloroethane        | 5.793          | 62   | 8054       | 2.806    | ug/L # | 95       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071322\  
 Data File : VU049700.D  
 Acq On : 13 Jul 2022 11:58  
 Operator : SY/MD  
 Sample : N3670-02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT2-2022-04

Quant Time: Jul 14 05:32:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 14 05:07:30 2022  
 Response via : Initial Calibration

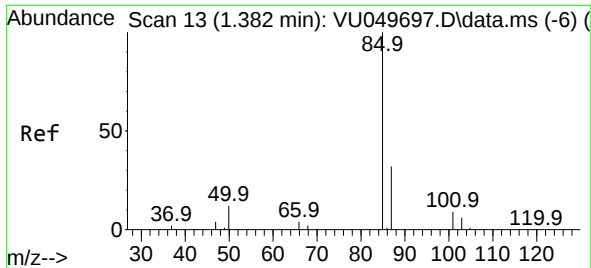
Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 07/14/2022  
 Supervised By :Mahesh Dadoda 07/14/2022

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 29) Cyclohexane               | 5.385  | 56   | 6315     | 2.045 | ug/L # | 93       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 6586     | 2.299 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 5747     | 2.453 | ug/L   | 93       |
| 33) Benzene                   | 5.774  | 78   | 19632    | 2.640 | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.758  | 83   | 5803     | 2.054 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 5545     | 2.690 | ug/L # | 95       |
| 38) Bromodichloromethane      | 7.105  | 83   | 6091     | 2.383 | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 7067     | 2.542 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 16935    | 5.075 | ug/L # | 91       |
| 42) Toluene                   | 7.970  | 91   | 18259    | 2.470 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 6454m    | 2.472 | ug/L   |          |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 4724     | 2.626 | ug/L   | 98       |
| 46) Tetrachloroethene         | 8.552  | 164  | 3070     | 2.462 | ug/L   | 92       |
| 48) 2-Hexanone                | 8.684  | 43   | 22035    | 8.263 | ug/L # | 92       |
| 49) Dibromochloromethane      | 8.812  | 129  | 4400     | 2.431 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 4778     | 2.673 | ug/L # | 97       |
| 51) Chlorobenzene             | 9.446  | 112  | 10546    | 2.356 | ug/L   | 92       |
| 52) Ethylbenzene              | 9.571  | 91   | 17777    | 2.279 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.693  | 106  | 6251     | 2.204 | ug/L   | 95       |
| 54) o-Xylene                  | 10.102 | 106  | 6398     | 2.240 | ug/L   | 96       |
| 55) Styrene                   | 10.115 | 104  | 10294    | 2.184 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 8819     | 2.738 | ug/L # | 87       |
| 59) Bromoform                 | 10.291 | 173  | 3205     | 2.670 | ug/L # | 90       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 6997     | 2.936 | ug/L   | 94       |
| 61) Isopropylbenzene          | 10.484 | 105  | 15348    | 2.297 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 12109    | 2.148 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 11331    | 2.024 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 7345     | 2.518 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 7638     | 2.607 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 8113     | 2.675 | ug/L   | 90       |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75   | 1654     | 2.368 | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 5186m    | 2.537 | ug/L   |          |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 4093     | 2.182 | ug/L   | 97       |
| 71) Naphthalene               | 14.089 | 128  | 14069    | 2.098 | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 4195     | 2.159 | ug/L   | 89       |

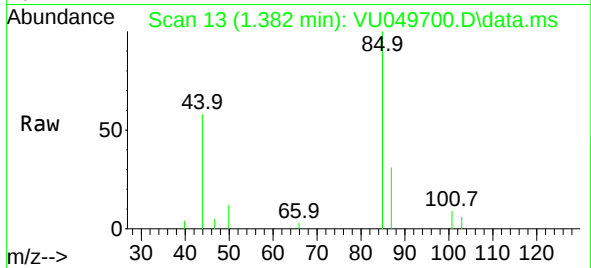
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#2  
Dichlorodifluoromethane  
Concen: 2.093 ug/L  
RT: 1.382 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

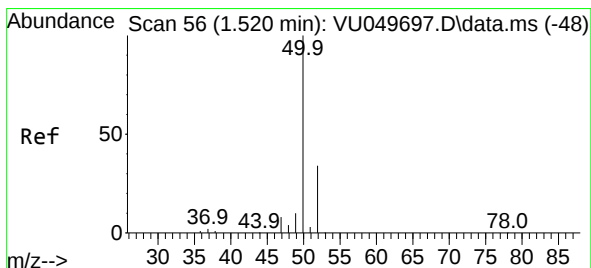
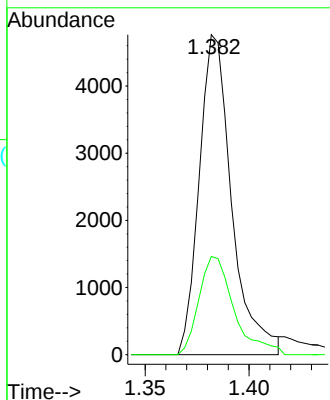
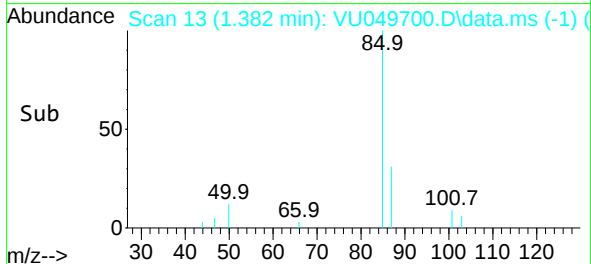
Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04



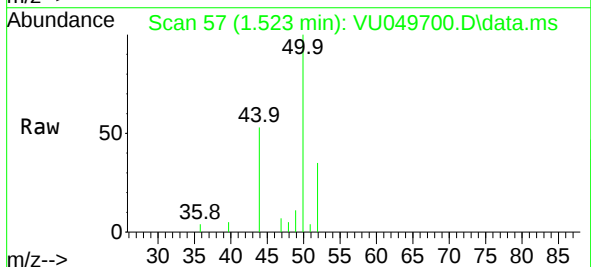
Tgt Ion: 85 Resp: 5178  
Ion Ratio Lower Upper  
85 100  
87 33.1 26.3 39.5

Manual Integrations  
APPROVED

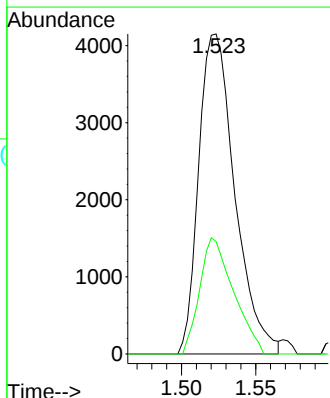
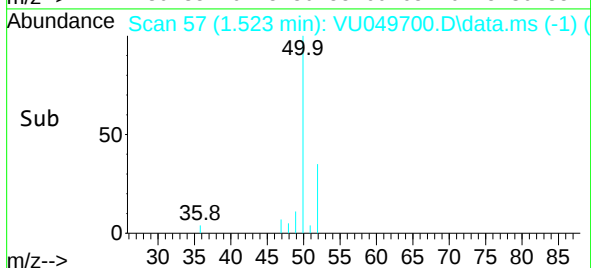
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022

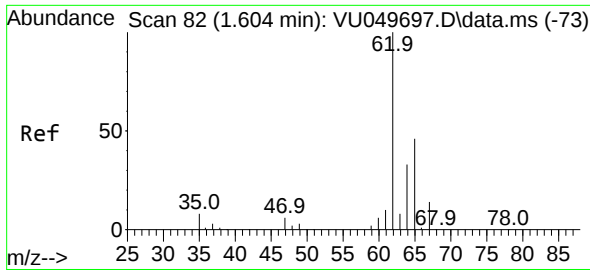


#3  
Chloromethane  
Concen: 2.588 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58



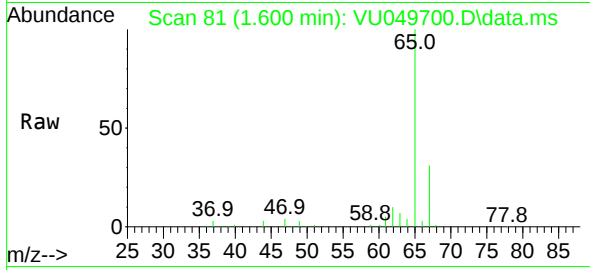
Tgt Ion: 50 Resp: 7028  
Ion Ratio Lower Upper  
50 100  
52 35.1 23.2 43.0





#5  
 Vinyl chloride  
 Concen: 2.469 ug/L  
 RT: 1.600 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VU049700.D  
 Acq: 13 Jul 2022 11:58

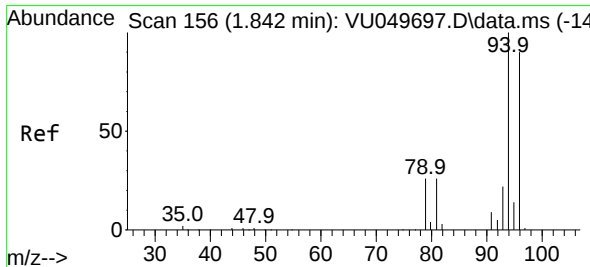
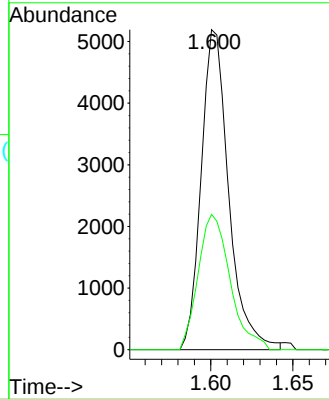
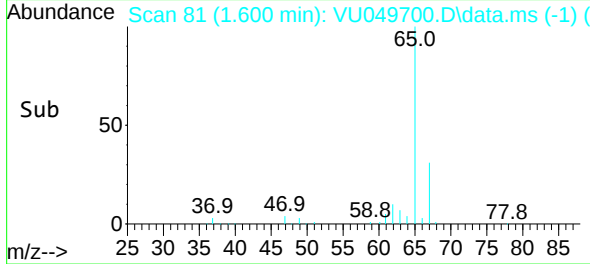
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT2-2022-04



Tgt Ion: 62 Resp: 6060  
 Ion Ratio Lower Upper  
 62 100  
 64 42.3 23.0 42.6

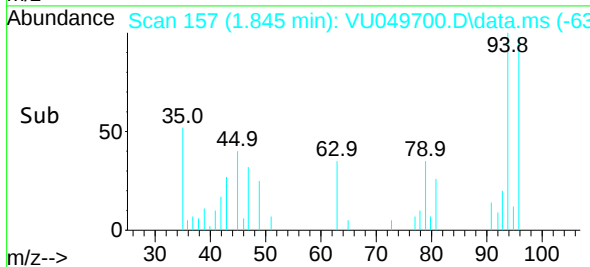
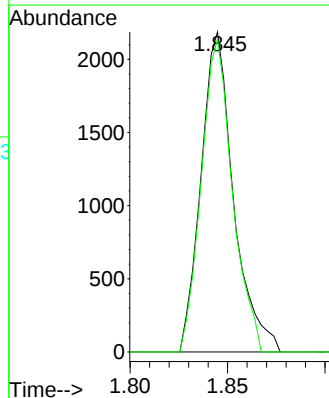
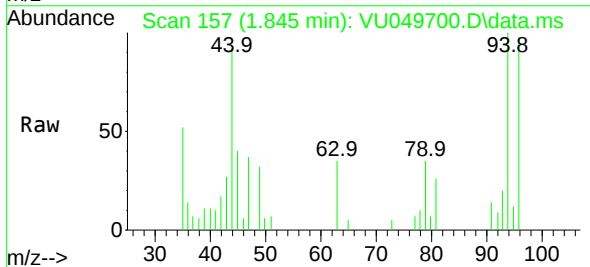
Manual Integrations  
 APPROVED

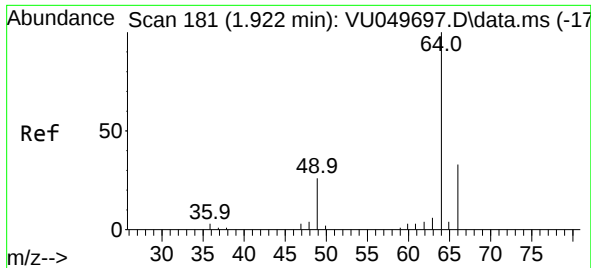
Reviewed By :Krupa Patel 07/14/2022  
 Supervised By :Mahesh Dadoda 07/14/2022



#6  
 Bromomethane  
 Concen: 2.241 ug/L  
 RT: 1.845 min Scan# 157  
 Delta R.T. 0.003 min  
 Lab File: VU049700.D  
 Acq: 13 Jul 2022 11:58

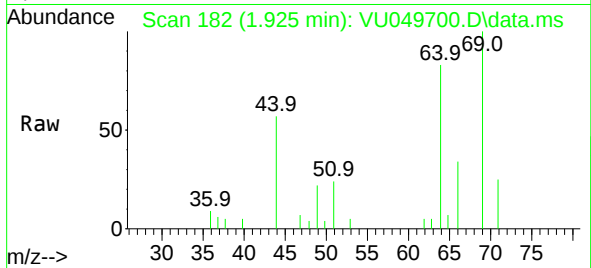
Tgt Ion: 94 Resp: 2541  
 Ion Ratio Lower Upper  
 94 100  
 96 97.9 66.1 122.7





#8  
Chloroethane  
Concen: 2.553 ug/L  
RT: 1.925 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

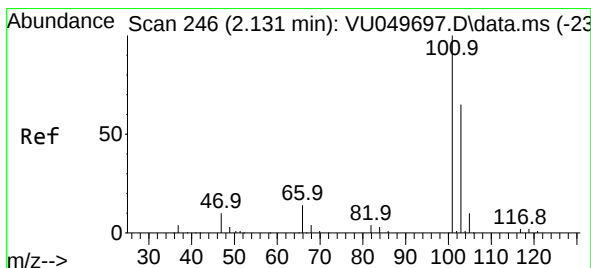
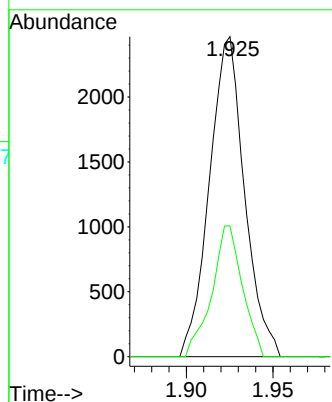
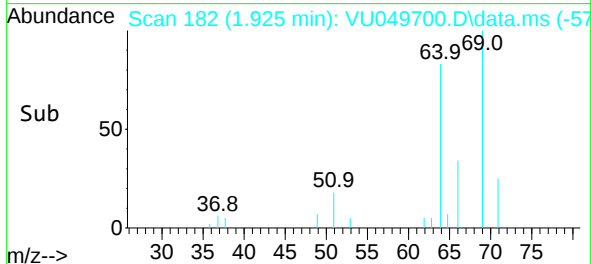
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04



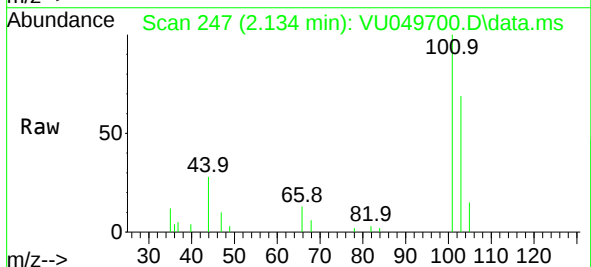
Tgt Ion: 64 Resp: 347  
Ion Ratio Lower Upper  
64 100  
66 37.6 22.1 41.1

Manual Integrations  
APPROVED

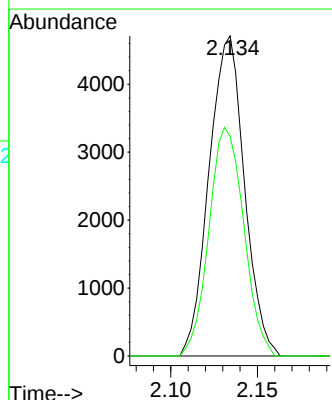
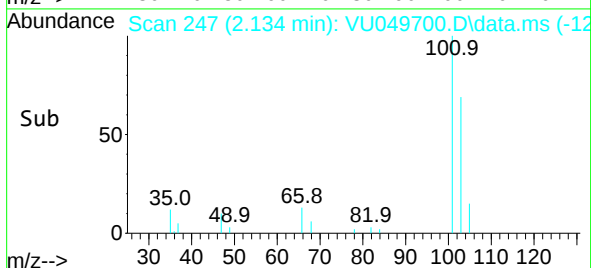
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022

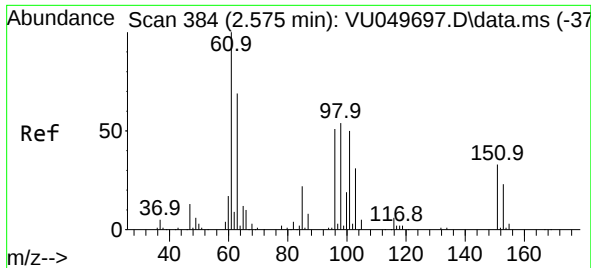


#9  
Trichlorofluoromethane  
Concen: 2.210 ug/L  
RT: 2.134 min Scan# 247  
Delta R.T. 0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58



Tgt Ion:101 Resp: 6699  
Ion Ratio Lower Upper  
101 100  
103 70.2 52.2 78.4





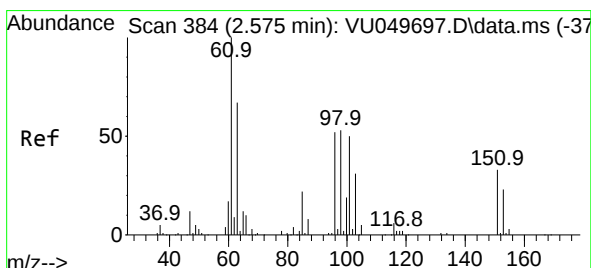
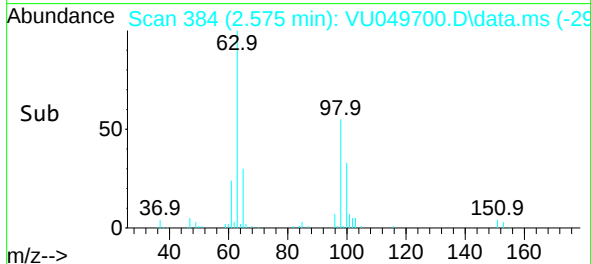
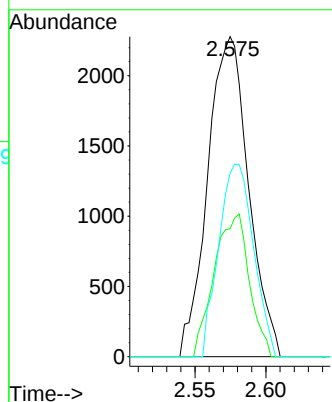
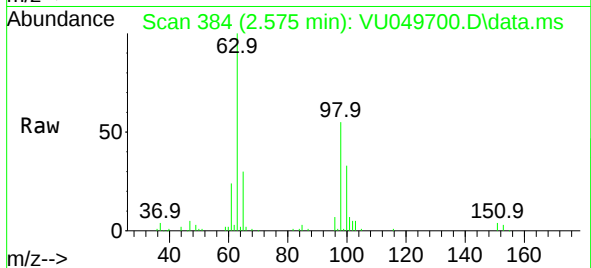
#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 2.872 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04

Tgt Ion:101 Resp: 456  
Ion Ratio Lower Upper  
101 100  
85 38.2 37.3 55.9  
151 51.2 56.9 85.3

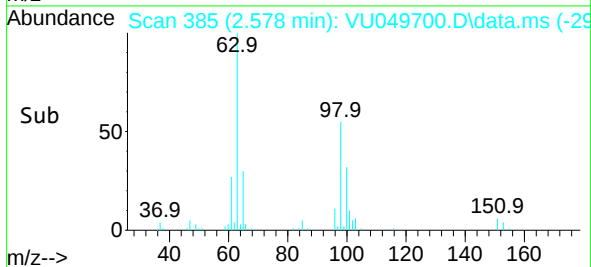
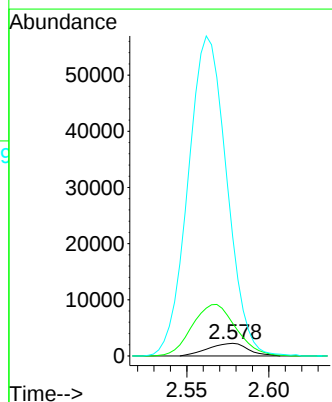
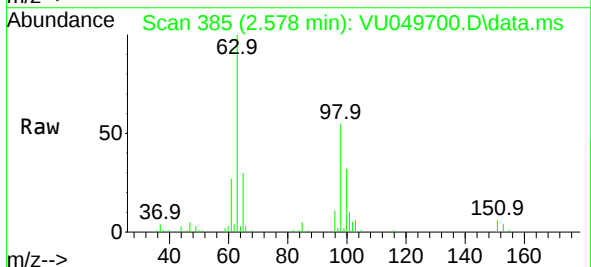
Manual Integrations  
APPROVED

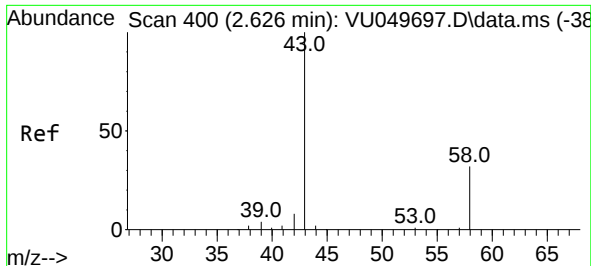
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022



#12  
1,1-Dichloroethene  
Concen: 2.590 ug/L  
RT: 2.578 min Scan# 385  
Delta R.T. 0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Tgt Ion: 96 Resp: 3823  
Ion Ratio Lower Upper  
96 100  
61 258.6 129.6 240.6#  
63 946.0 79.0 146.6#





#13

Acetone

Concen: 6.197 ug/L

RT: 2.633 min Scan# 400

Delta R.T. 0.006 min

Lab File: VU049700.D

Acq: 13 Jul 2022 11:58

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-QT2-2022-04

Tgt Ion: 43 Resp: 875

Ion Ratio Lower Upper

43 100

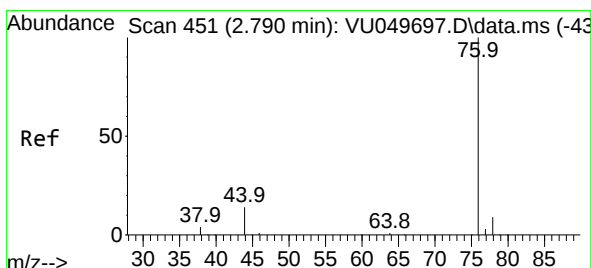
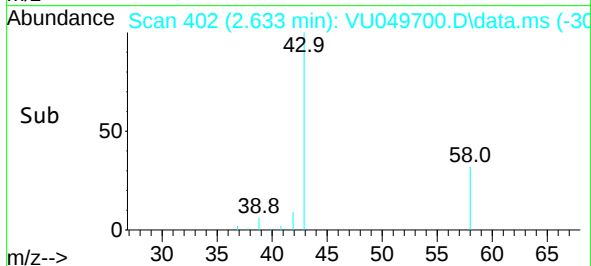
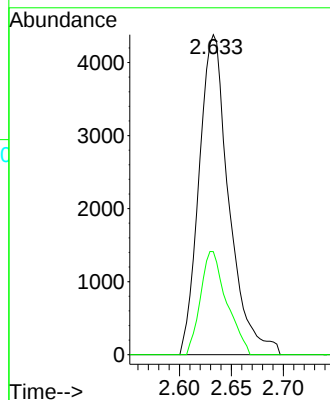
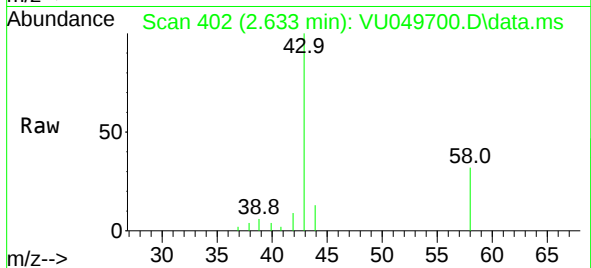
58 28.2 0.0 61.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/14/2022

Supervised By :Mahesh Dadoda 07/14/2022



#14

Carbon disulfide

Concen: 2.118 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU049700.D

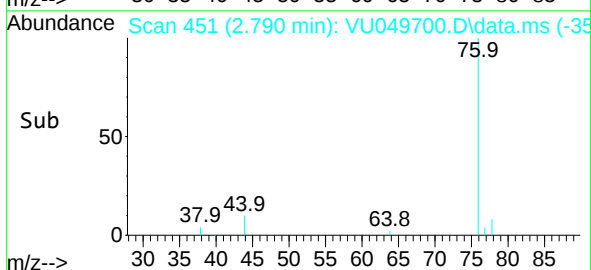
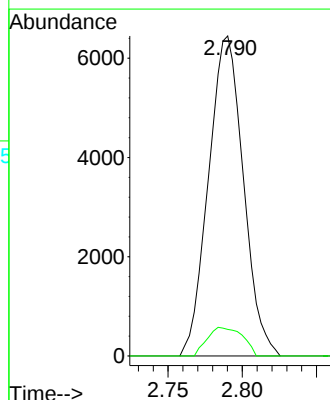
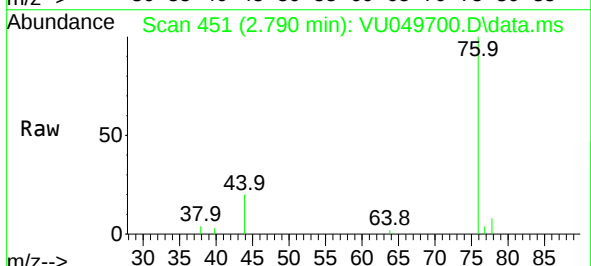
Acq: 13 Jul 2022 11:58

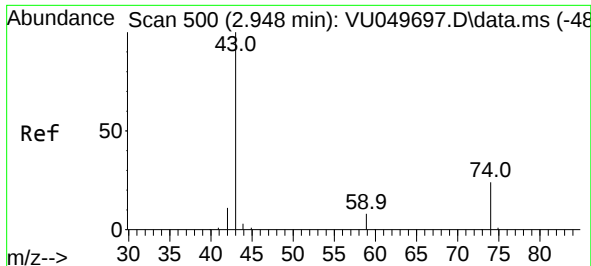
Tgt Ion: 76 Resp: 10543

Ion Ratio Lower Upper

76 100

78 8.3 7.6 11.4





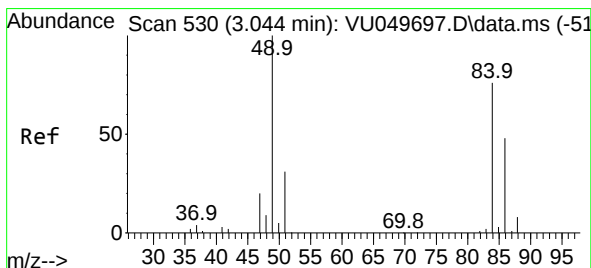
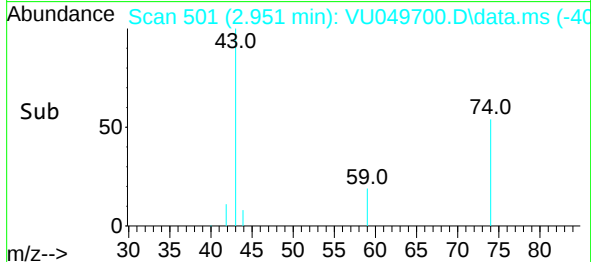
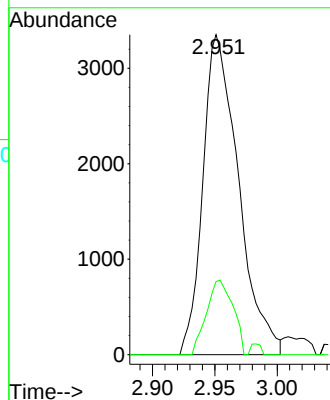
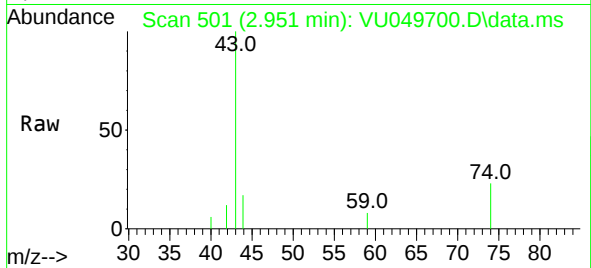
#15  
Methyl Acetate  
Concen: 2.899 ug/L  
RT: 2.951 min Scan# 501  
Delta R.T. 0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04

Tgt Ion: 43 Resp: 665  
Ion Ratio Lower Upper  
43 100  
74 17.4 17.4 26.0

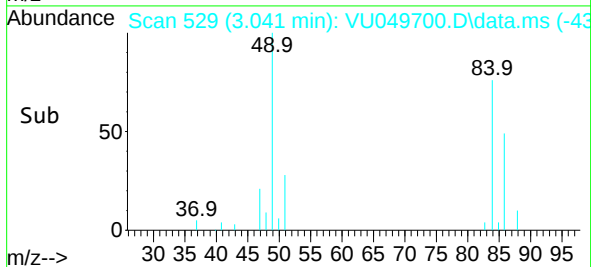
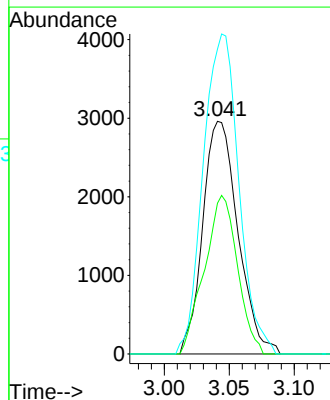
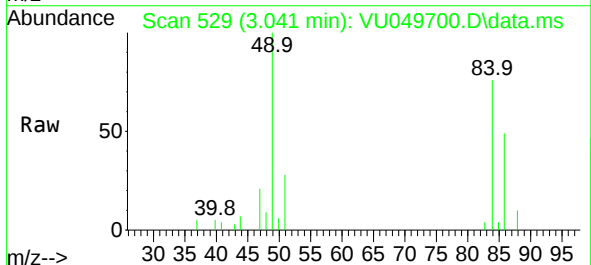
Manual Integrations  
APPROVED

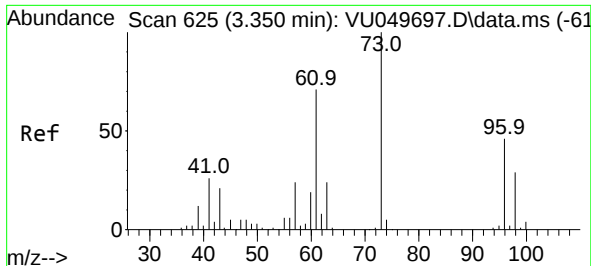
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022



#16  
Methylene chloride  
Concen: 3.004 ug/L  
RT: 3.041 min Scan# 529  
Delta R.T. -0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

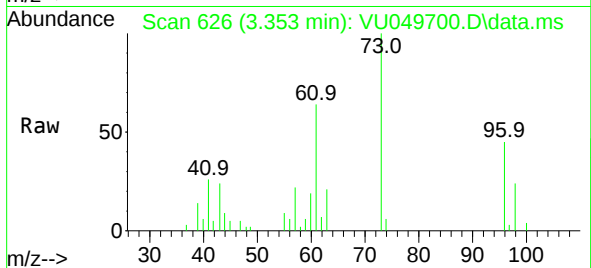
Tgt Ion: 84 Resp: 5583  
Ion Ratio Lower Upper  
84 100  
86 64.8 45.6 84.6  
49 131.0 94.4 175.4





#17  
trans-1,2-Dichloroethene  
Concen: 2.476 ug/L  
RT: 3.353 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

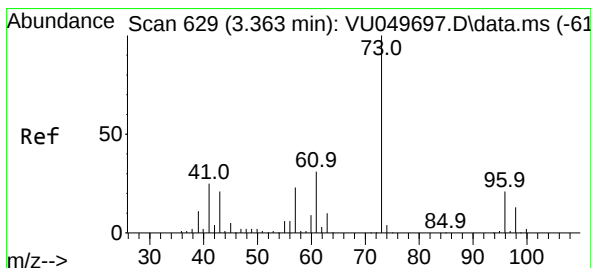
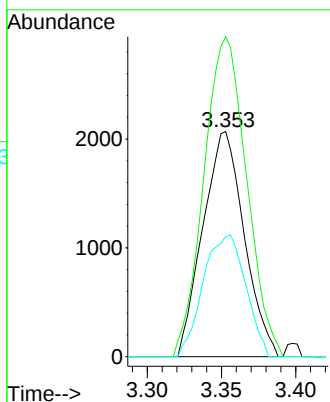
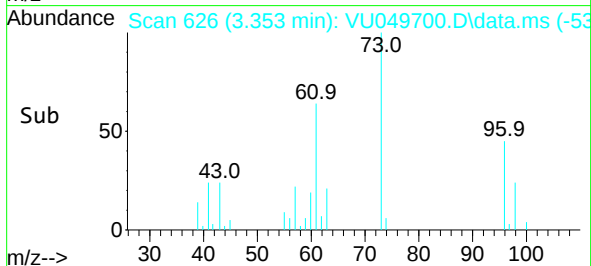
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04



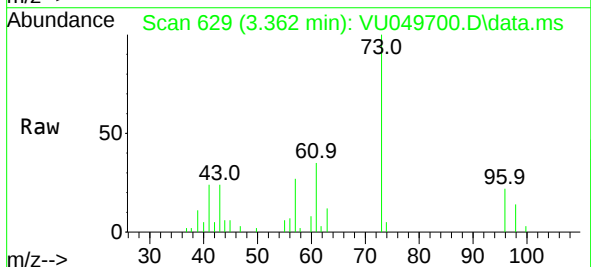
Tgt Ion: 96 Resp: 399  
Ion Ratio Lower Upper  
96 100  
61 142.2 107.6 199.8  
98 53.5 44.6 82.8

Manual Integrations  
APPROVED

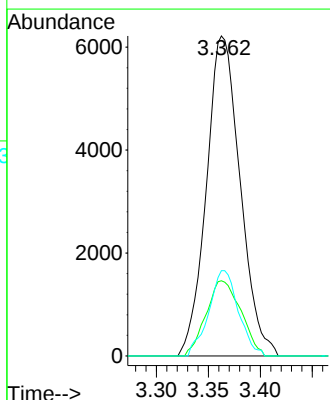
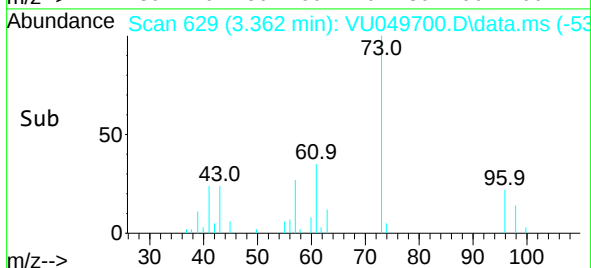
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022

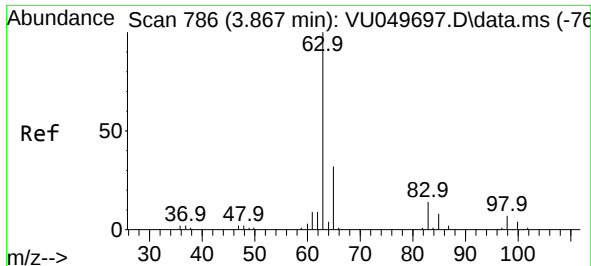


#18  
Methyl tert-butyl Ether  
Concen: 2.540 ug/L  
RT: 3.362 min Scan# 629  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58



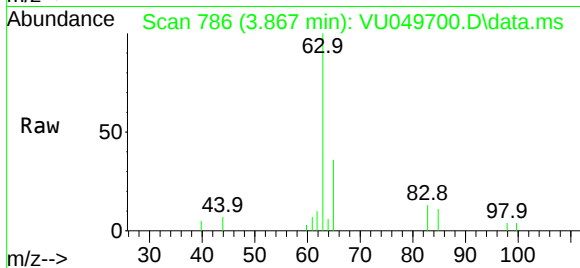
Tgt Ion: 73 Resp: 14048  
Ion Ratio Lower Upper  
73 100  
43 24.2 17.0 25.4  
57 23.2 18.5 27.7





#19  
1,1-Dichloroethane  
Concen: 2.646 ug/L  
RT: 3.867 min Scan# 786  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

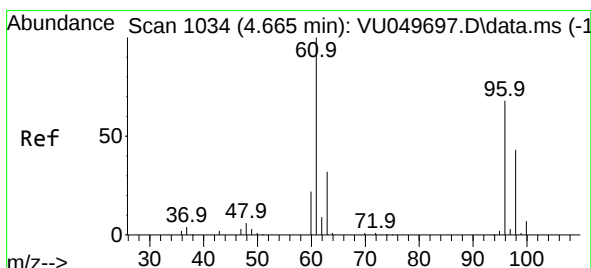
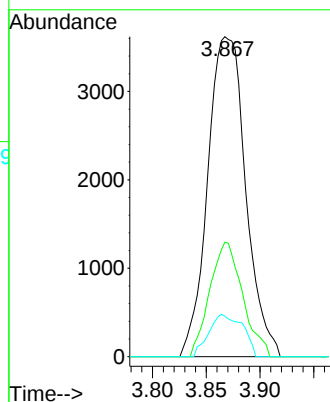
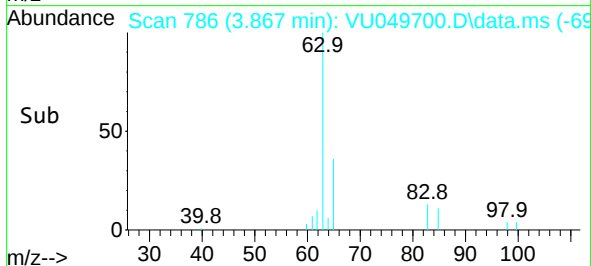
Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04



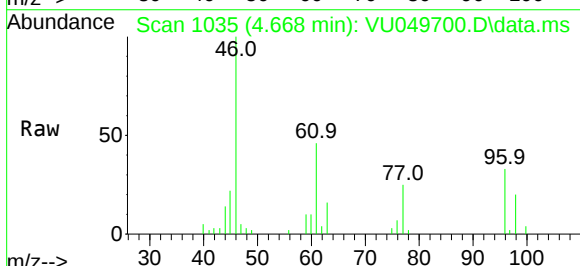
Tgt Ion: 63 Resp: 889  
Ion Ratio Lower Upper  
63 100  
65 35.7 22.6 42.0  
83 12.7 9.2 17.2

Manual Integrations  
APPROVED

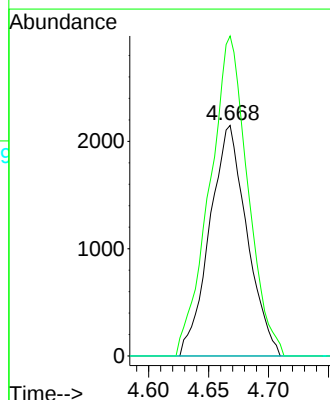
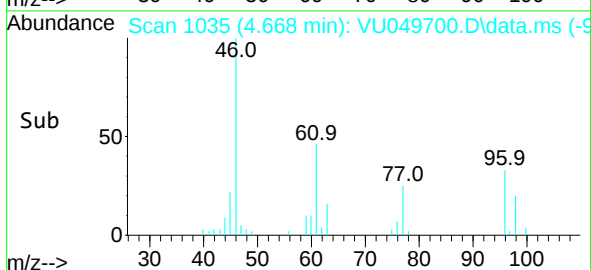
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022

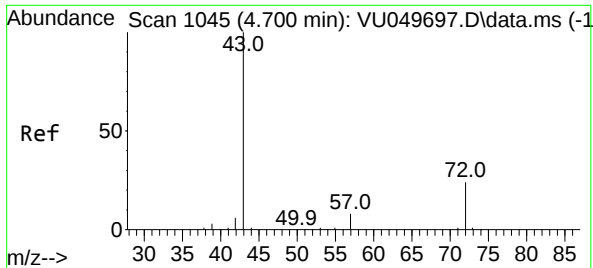


#20  
cis-1,2-Dichloroethene  
Concen: 2.560 ug/L  
RT: 4.668 min Scan# 1035  
Delta R.T. 0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58



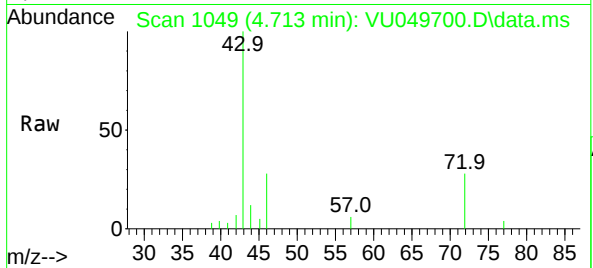
Tgt Ion: 96 Resp: 4646  
Ion Ratio Lower Upper  
96 100  
61 138.8 101.1 187.7  
68 0.0 0.0 0.0





#22  
2-Butanone  
Concen: 5.640 ug/L  
RT: 4.713 min Scan# 1049  
Delta R.T. 0.013 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

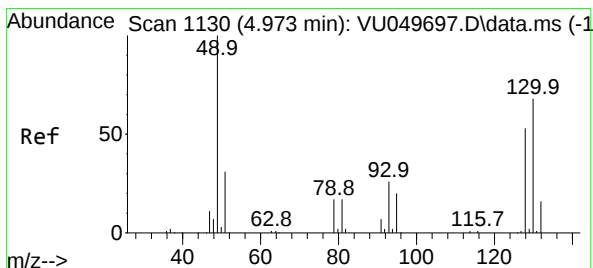
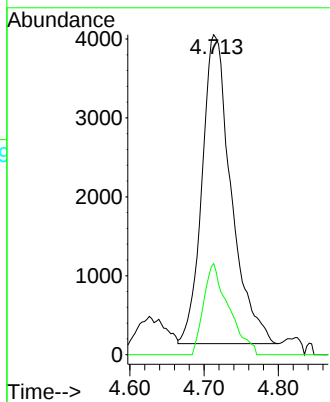
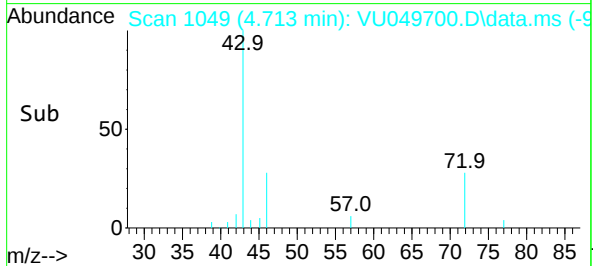
Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04



Tgt Ion: 43 Resp: 1066  
Ion Ratio Lower Upper  
43 100  
72 25.3 12.7 38.0

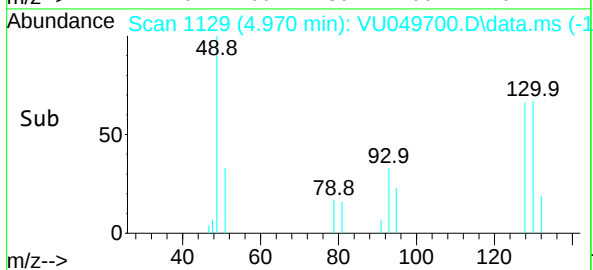
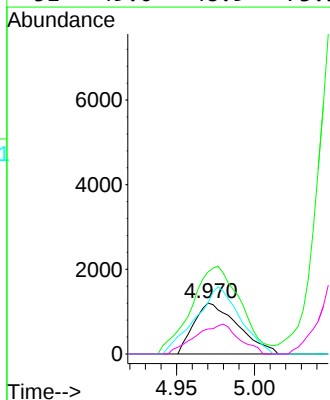
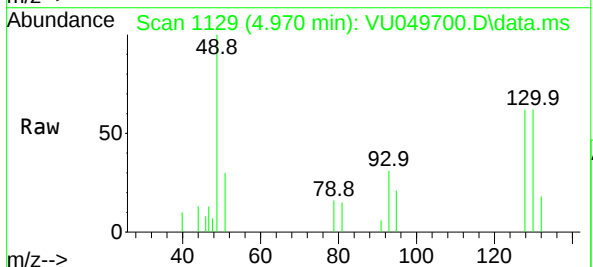
Manual Integrations  
APPROVED

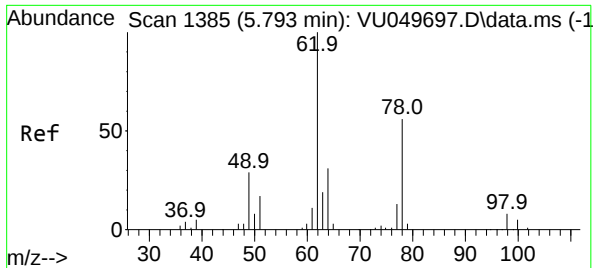
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022



#23  
Bromochloromethane  
Concen: 2.613 ug/L  
RT: 4.970 min Scan# 1129  
Delta R.T. -0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Tgt Ion:128 Resp: 2366  
Ion Ratio Lower Upper  
128 100  
49 160.9 140.9 261.7  
130 100.4 90.0 167.2  
51 49.0 48.9 73.3





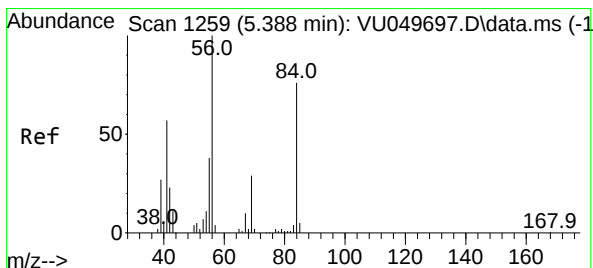
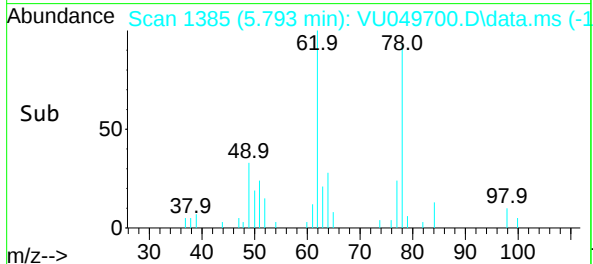
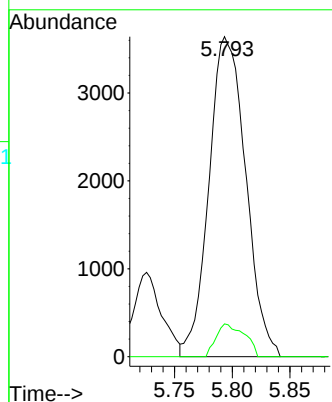
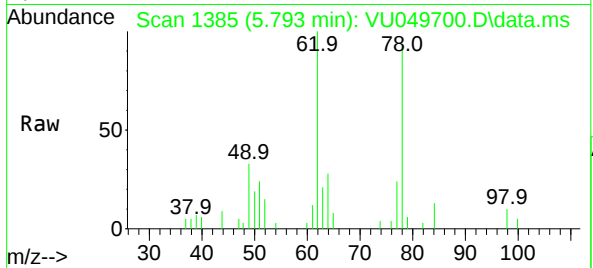
#27  
1,2-Dichloroethane  
Concen: 2.806 ug/L  
RT: 5.793 min Scan# 1385  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04

Tgt Ion: 62 Resp: 8054  
Ion Ratio Lower Upper  
62 100  
98 10.2 6.7 10.1

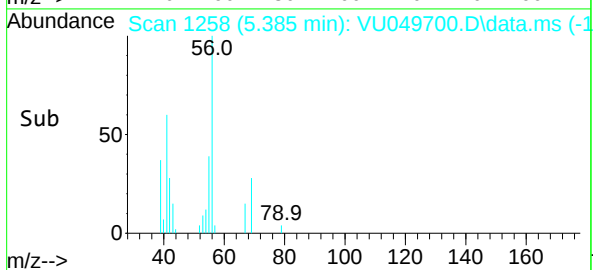
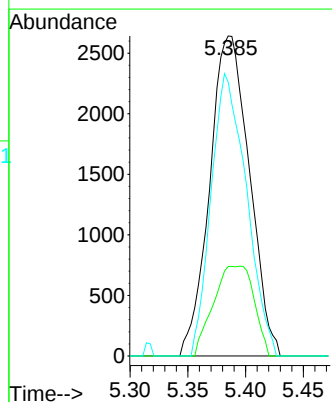
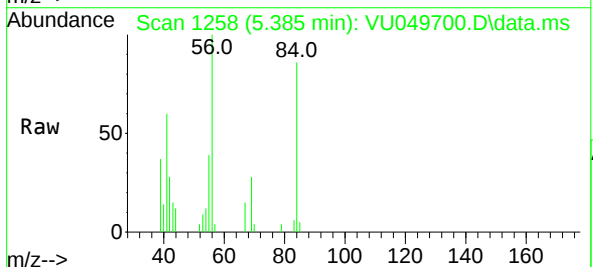
Manual Integrations  
APPROVED

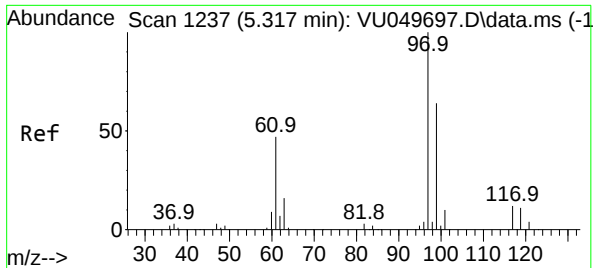
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022



#29  
Cyclohexane  
Concen: 2.045 ug/L  
RT: 5.385 min Scan# 1258  
Delta R.T. -0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Tgt Ion: 56 Resp: 6315  
Ion Ratio Lower Upper  
56 100  
69 16.6 23.4 35.2#  
84 78.5 63.1 94.7





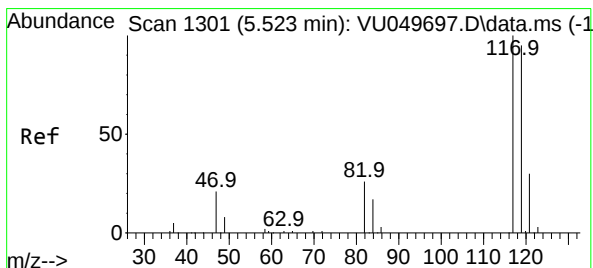
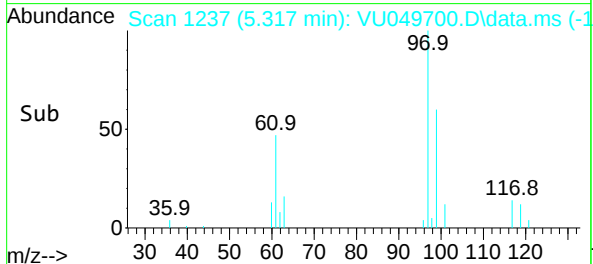
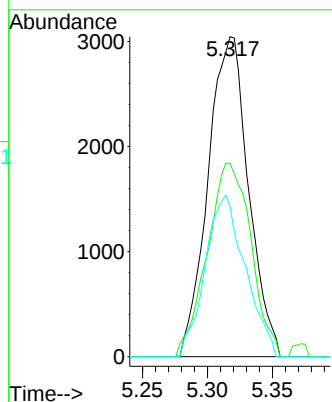
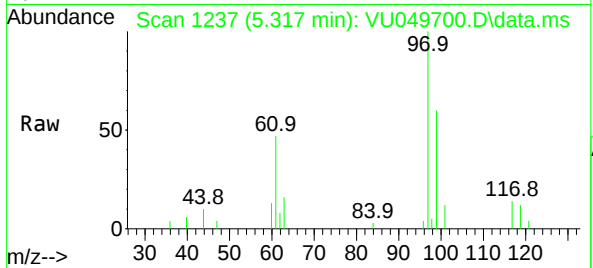
#30  
1,1,1-Trichloroethane  
Concen: 2.299 ug/L  
RT: 5.317 min Scan# 1237  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Instrument : MSVOA\_U  
ClientSampleId : VU049700.D  
MDL-WATER-QT2-2022-04

Tgt Ion: 97 Resp: 6580  
Ion Ratio Lower Upper  
97 100  
99 65.3 51.3 76.9  
61 50.2 38.2 57.2

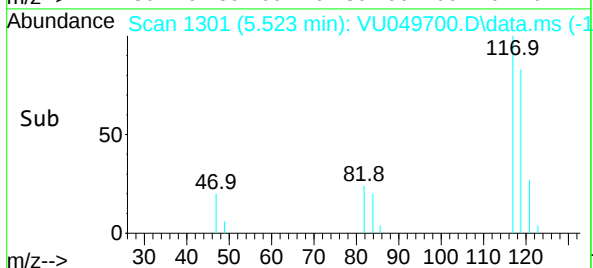
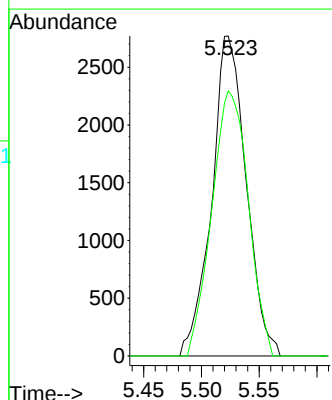
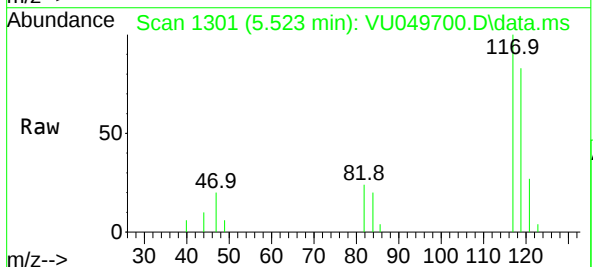
Manual Integrations  
APPROVED

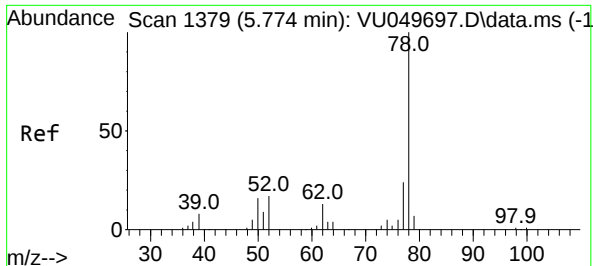
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022



#31  
Carbon tetrachloride  
Concen: 2.453 ug/L  
RT: 5.523 min Scan# 1301  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Tgt Ion:117 Resp: 5747  
Ion Ratio Lower Upper  
117 100  
119 87.7 75.8 113.8





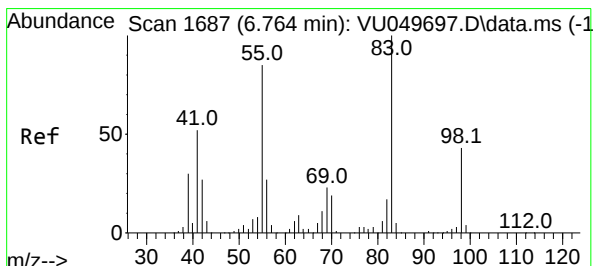
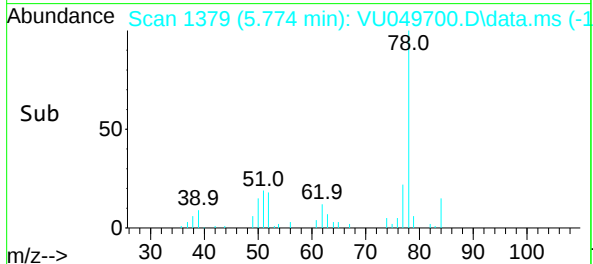
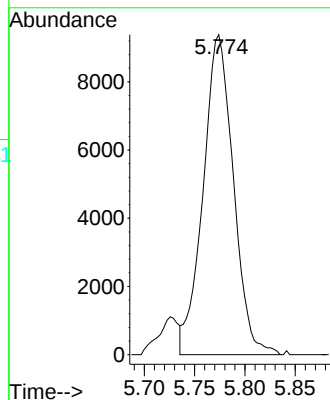
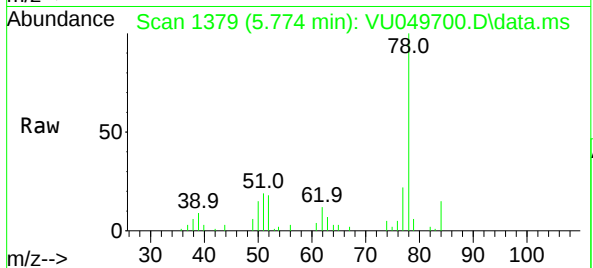
#33  
Benzene  
Concen: 2.640 ug/L  
RT: 5.774 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04

Tgt Ion: 78 Resp: 1963

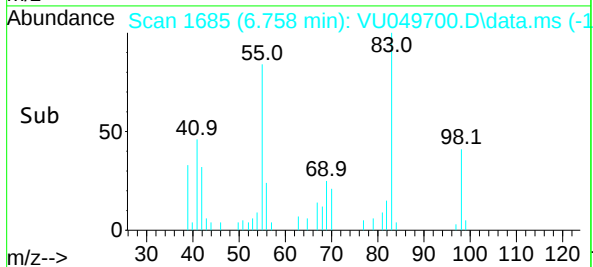
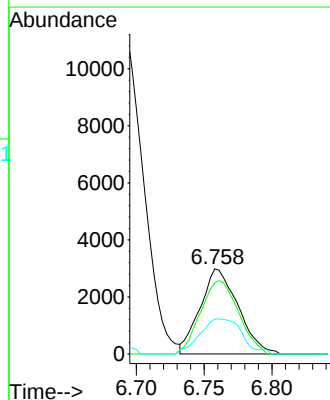
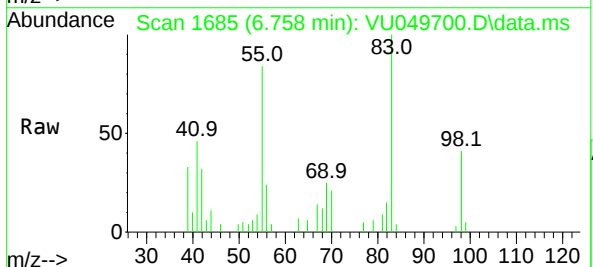
Manual Integrations  
APPROVED

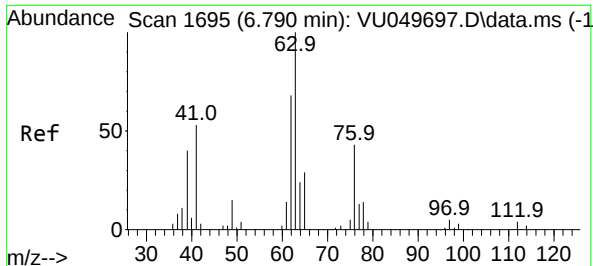
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022



#35  
Methylcyclohexane  
Concen: 2.054 ug/L  
RT: 6.758 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

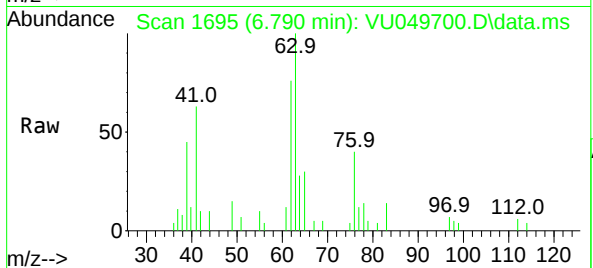
Tgt Ion: 83 Resp: 5803  
Ion Ratio Lower Upper  
83 100  
55 85.8 66.0 99.0  
98 44.3 34.6 51.8





#37  
1,2-Dichloropropane  
Concen: 2.690 ug/L  
RT: 6.790 min Scan# 1695  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

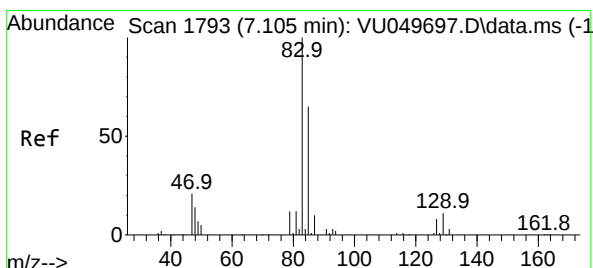
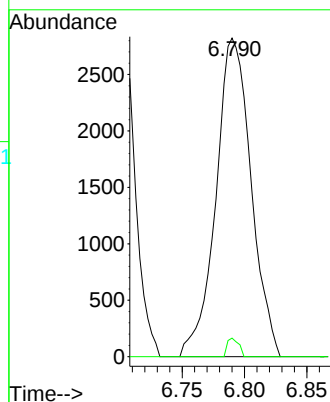
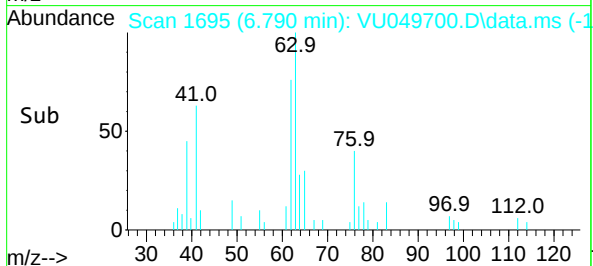
Instrument : MSVOA\_U  
ClientSampleId : MDL-WATER-QT2-2022-04



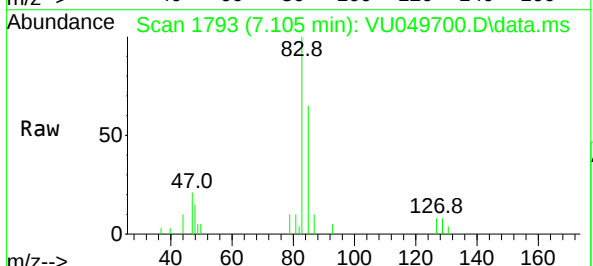
Tgt Ion: 63 Resp: 5549  
Ion Ratio Lower Upper  
63 100  
112 1.9 2.8 4.2

Manual Integrations  
APPROVED

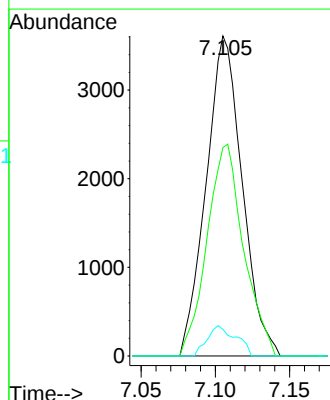
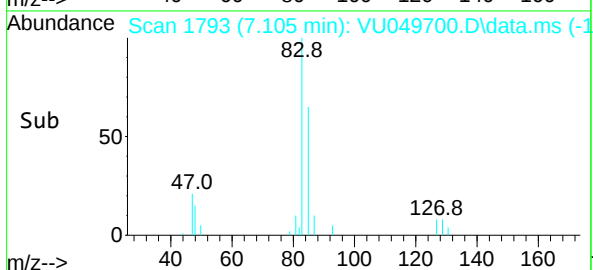
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022

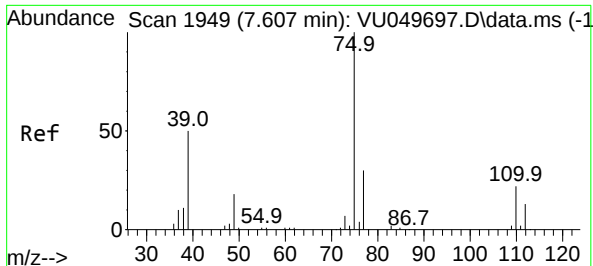


#38  
Bromodichloromethane  
Concen: 2.383 ug/L  
RT: 7.105 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58



Tgt Ion: 83 Resp: 6091  
Ion Ratio Lower Upper  
83 100  
85 65.1 45.4 84.2  
127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 2.542 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU049700.D

Acq: 13 Jul 2022 11:58

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-QT2-2022-04

Tgt Ion: 75 Resp: 706

Ion Ratio Lower Upper

75 100

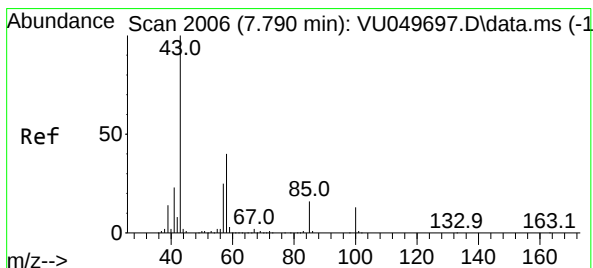
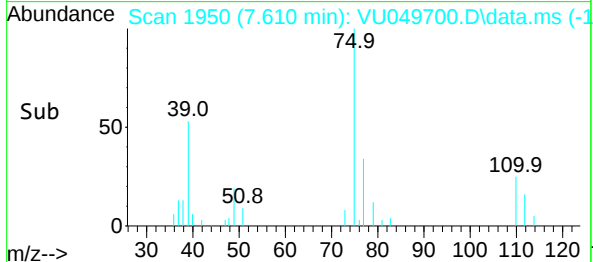
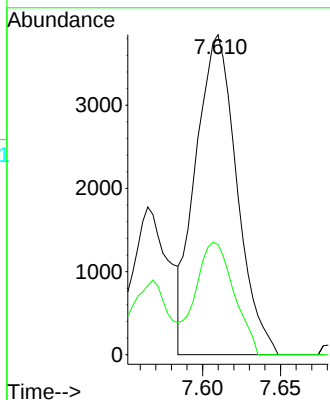
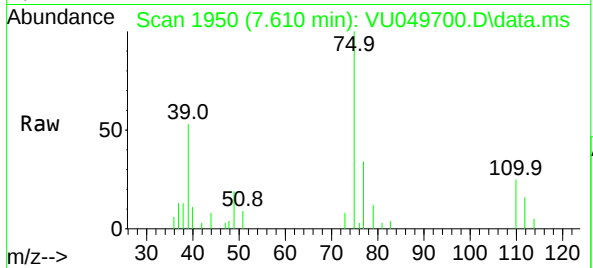
77 34.4 22.6 42.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/14/2022

Supervised By :Mahesh Dadoda 07/14/2022



#40

4-Methyl-2-pentanone

Concen: 5.075 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU049700.D

Acq: 13 Jul 2022 11:58

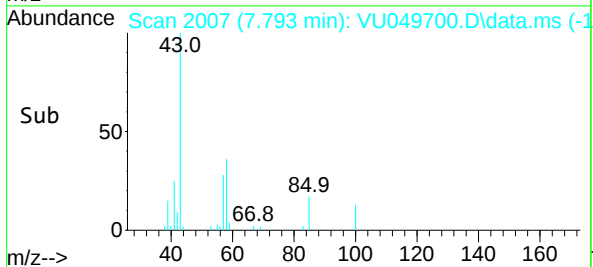
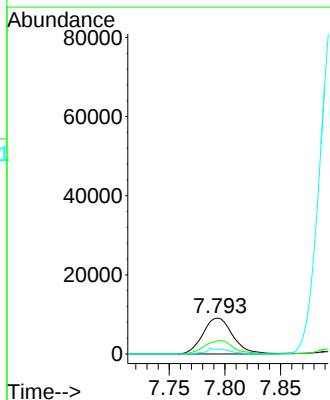
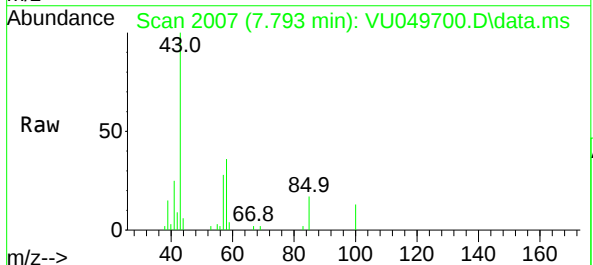
Tgt Ion: 43 Resp: 16935

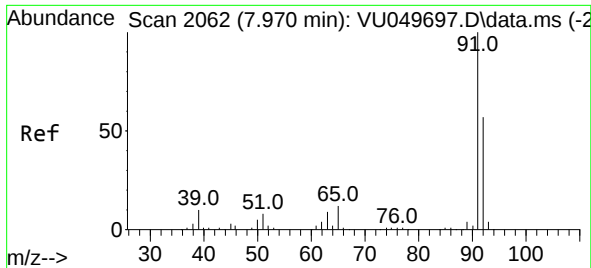
Ion Ratio Lower Upper

43 100

58 36.3 31.4 47.0

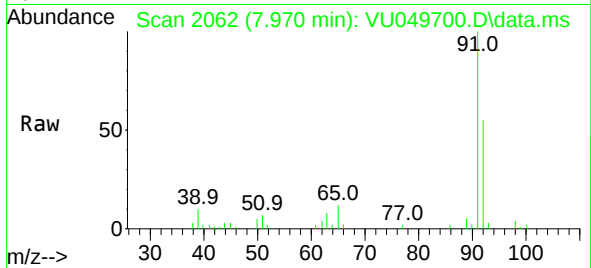
100 4.8 10.3 15.5





#42  
Toluene  
Concen: 2.470 ug/L  
RT: 7.970 min Scan# 2062  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

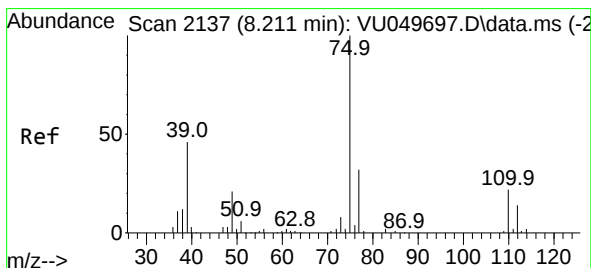
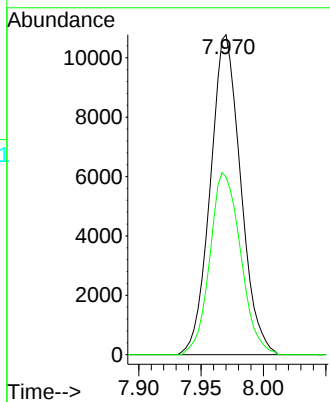
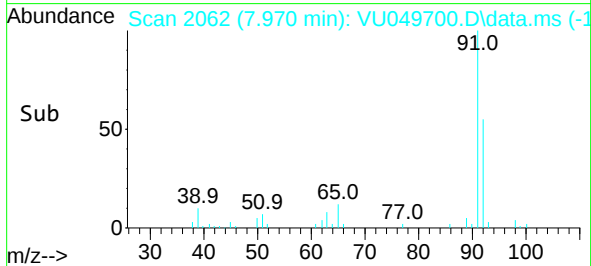
Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04



Tgt Ion: 91 Resp: 18259  
Ion Ratio Lower Upper  
91 100  
92 55.5 40.8 75.8

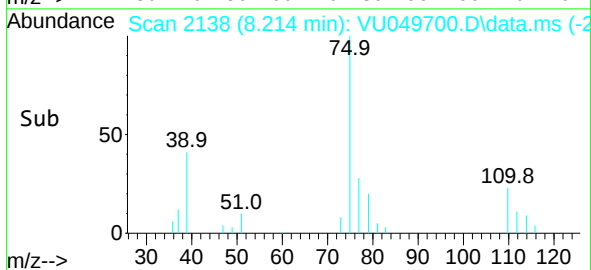
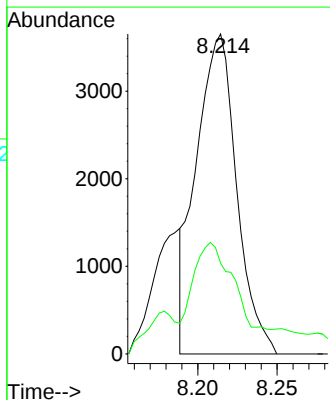
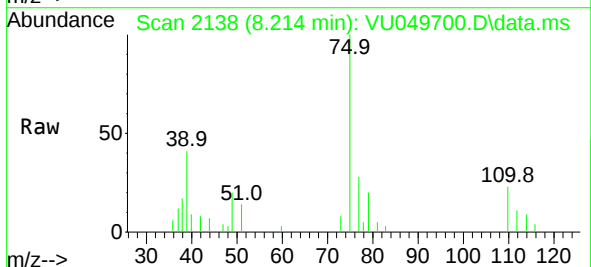
Manual Integrations  
APPROVED

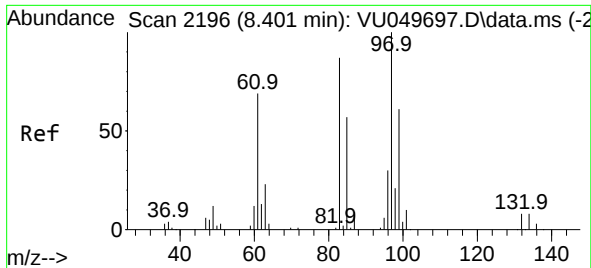
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022



#44  
trans-1,3-Dichloropropene  
Concen: 2.472 ug/L m  
RT: 8.214 min Scan# 2138  
Delta R.T. 0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

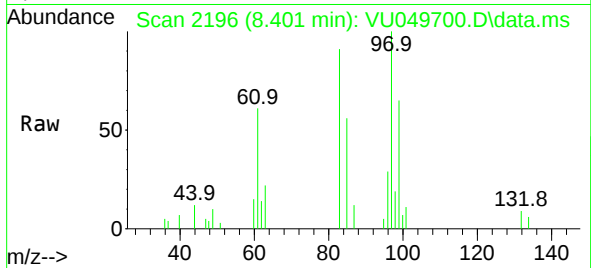
Tgt Ion: 75 Resp: 6454  
Ion Ratio Lower Upper  
75 100  
77 28.3 22.5 41.9





#45  
1,1,2-Trichloroethane  
Concen: 2.626 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

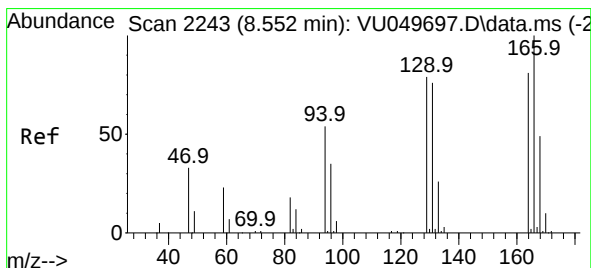
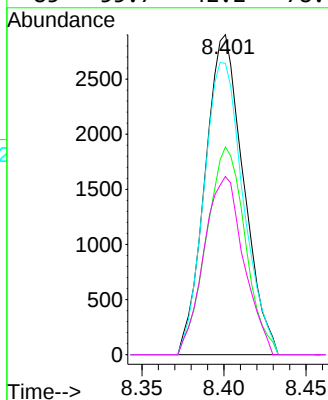
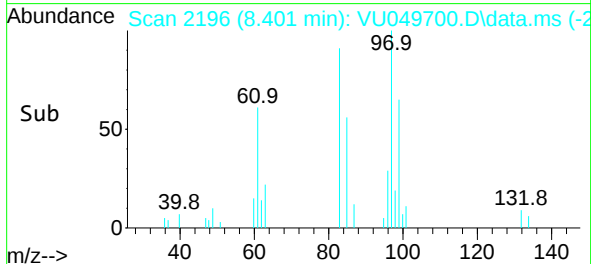
Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04



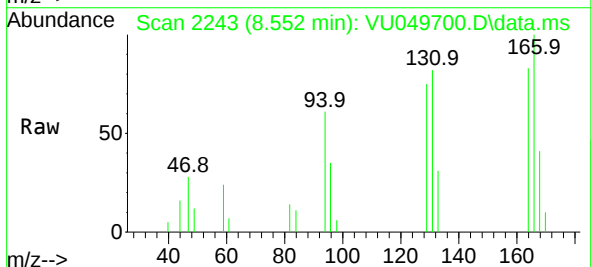
| Tgt Ion: | 97    | Resp: | 4724  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.9  | 44.3  | 82.3  |
| 83       | 91.0  | 64.0  | 118.8 |
| 85       | 55.7  | 42.2  | 78.4  |

Manual Integrations  
APPROVED

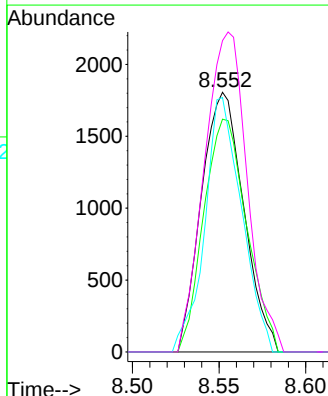
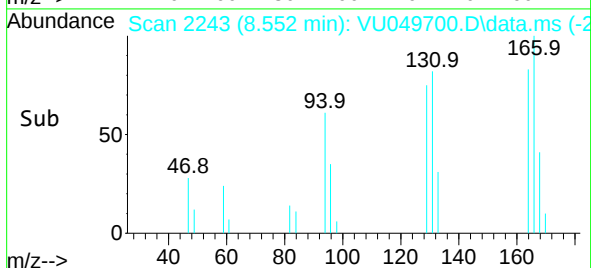
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022

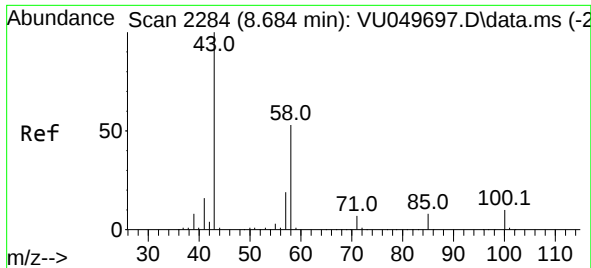


#46  
Tetrachloroethene  
Concen: 2.462 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58



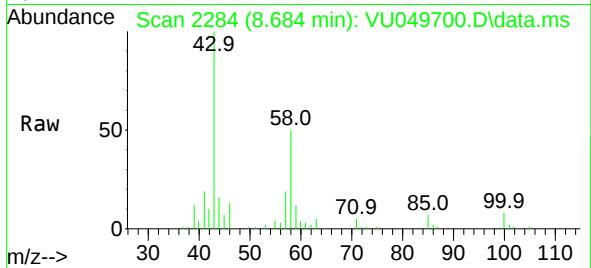
| Tgt Ion: | 164   | Resp: | 3070  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 89.6  | 72.0  | 133.8 |
| 131      | 98.0  | 69.0  | 128.1 |
| 166      | 119.9 | 91.1  | 169.3 |





#48  
2-Hexanone  
Concen: 8.263 ug/L  
RT: 8.684 min Scan# 2284  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

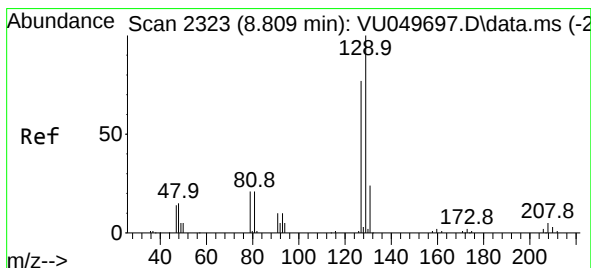
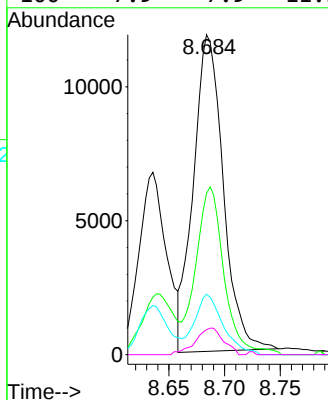
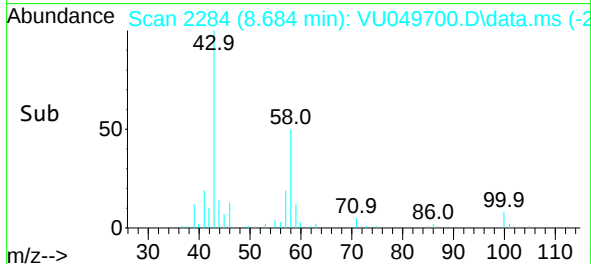
Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04



Tgt Ion: 43 Resp: 22035  
Ion Ratio Lower Upper  
43 100  
58 45.9 42.6 64.0  
57 18.4 15.0 22.6  
100 7.9 7.9 11.9#

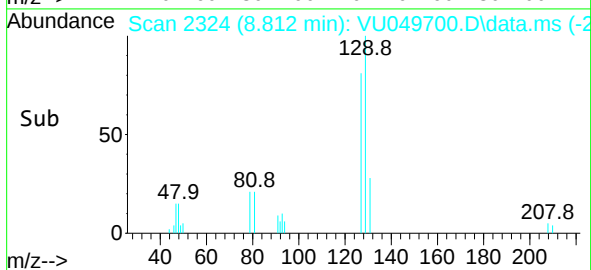
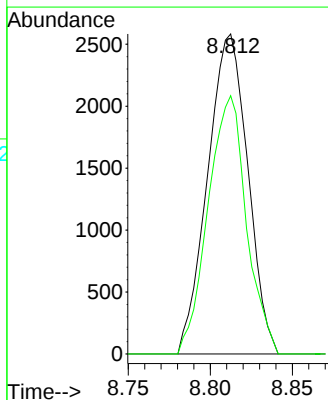
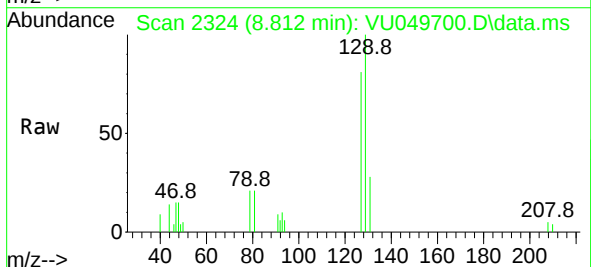
Manual Integrations  
APPROVED

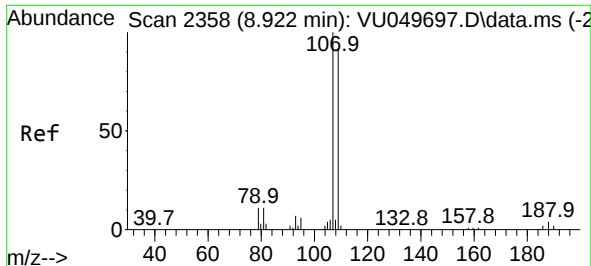
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022



#49  
Dibromochloromethane  
Concen: 2.431 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. 0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Tgt Ion:129 Resp: 4400  
Ion Ratio Lower Upper  
129 100  
127 80.7 56.9 105.7





#50

1,2-Dibromoethane

Concen: 2.673 ug/L

RT: 8.925 min Scan# 2358

Delta R.T. 0.003 min

Lab File: VU049700.D

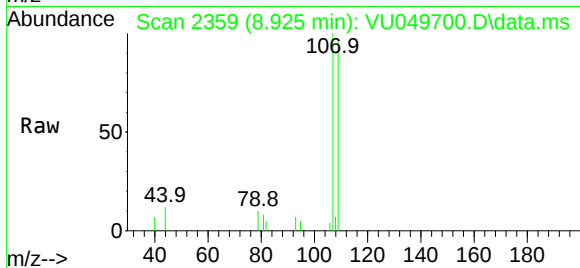
Acq: 13 Jul 2022 11:58

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-QT2-2022-04



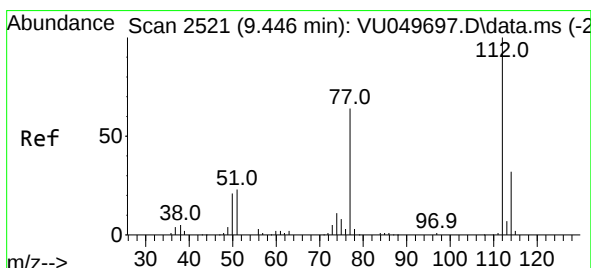
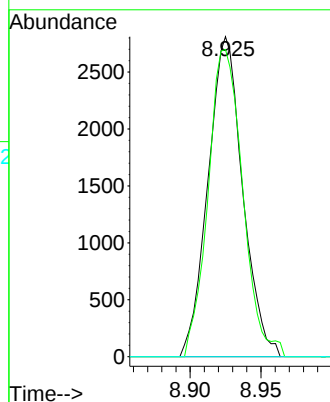
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 4778  |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 109       | 96.0  | 65.7  | 121.9 |
| 188       | 0.0   | 2.7   | 4.1   |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/14/2022

Supervised By :Mahesh Dadoda 07/14/2022



#51

Chlorobenzene

Concen: 2.356 ug/L

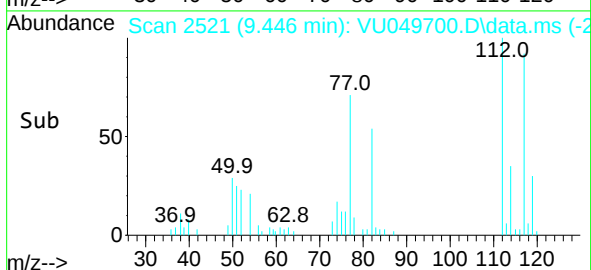
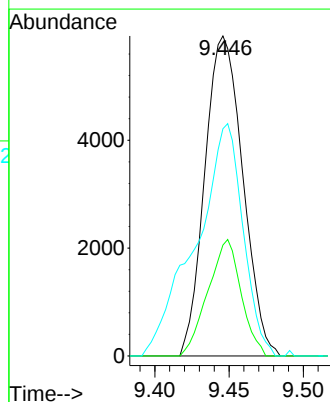
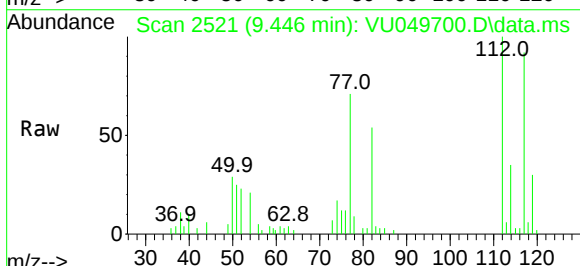
RT: 9.446 min Scan# 2521

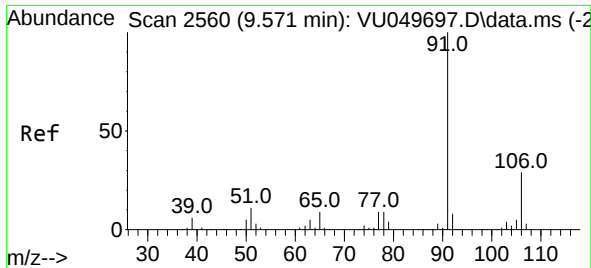
Delta R.T. -0.000 min

Lab File: VU049700.D

Acq: 13 Jul 2022 11:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 10546 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 114       | 34.6  | 22.1  | 41.1  |
| 77        | 71.0  | 51.2  | 76.8  |





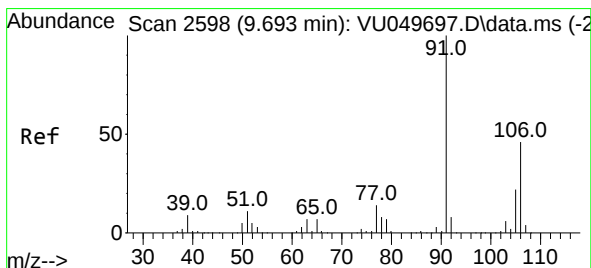
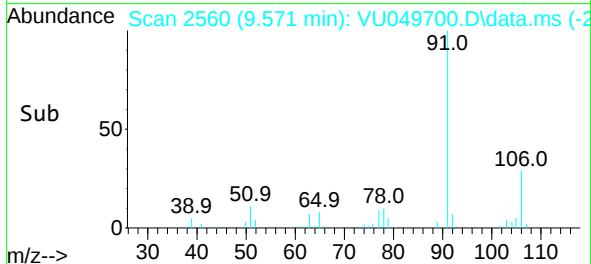
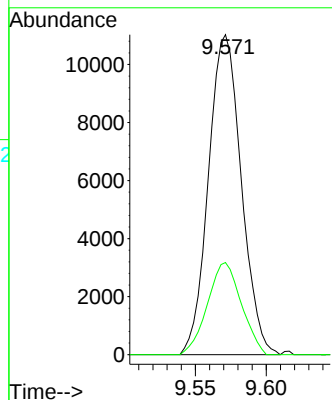
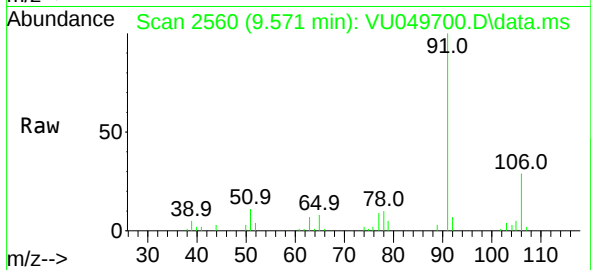
#52  
Ethylbenzene  
Concen: 2.279 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04

Tgt Ion: 91 Resp: 1777  
Ion Ratio Lower Upper  
91 100  
106 28.8 21.0 39.0

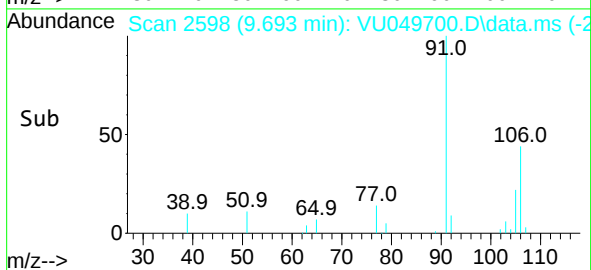
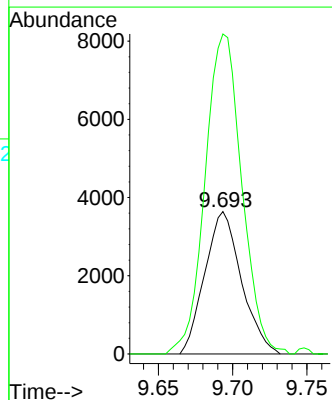
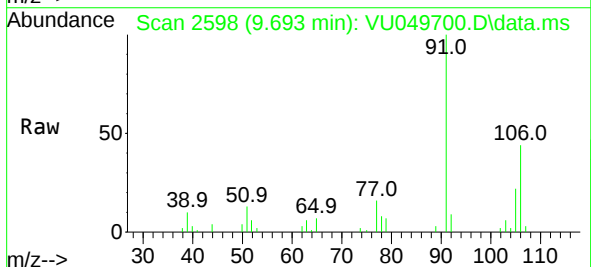
Manual Integrations  
APPROVED

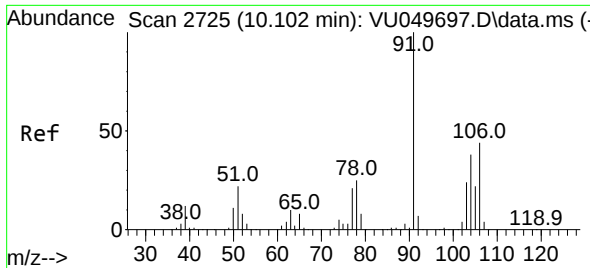
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022



#53  
m,p-Xylene  
Concen: 2.204 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Tgt Ion:106 Resp: 6251  
Ion Ratio Lower Upper  
106 100  
91 224.7 151.7 281.7





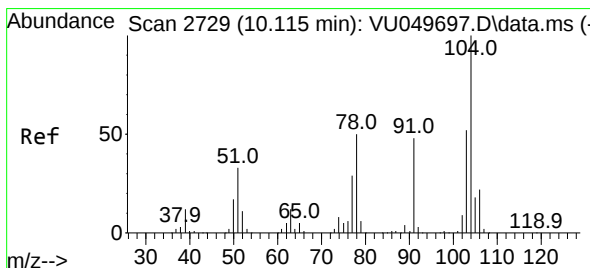
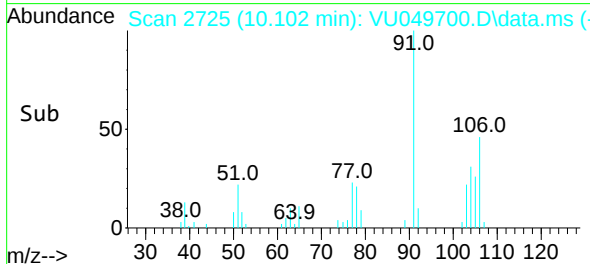
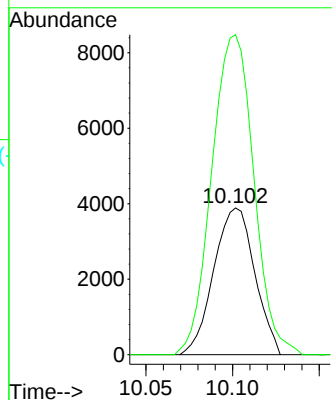
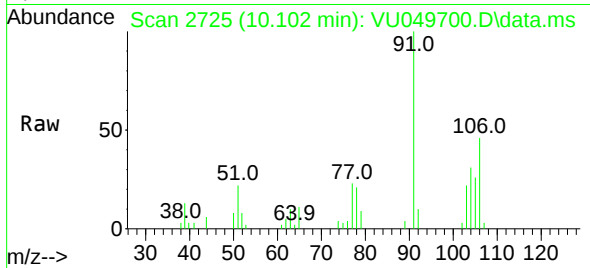
#54  
o-Xylene  
Concen: 2.240 ug/L  
RT: 10.102 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04

Tgt Ion:106 Resp: 6398  
Ion Ratio Lower Upper  
106 100  
91 218.0 156.9 291.5

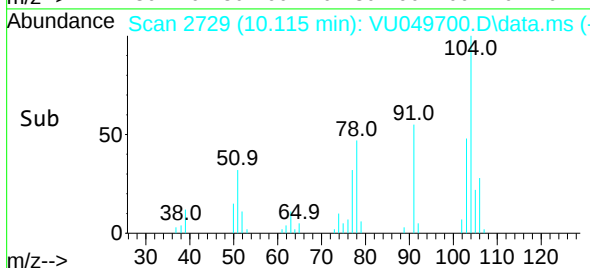
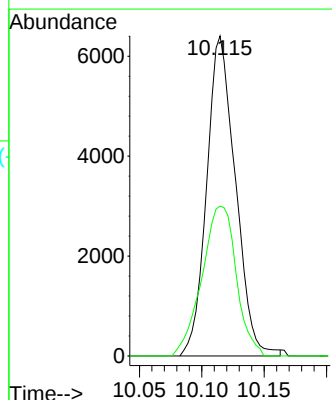
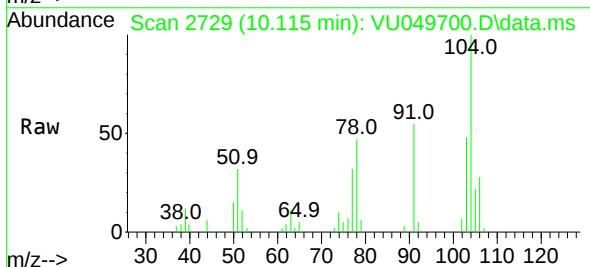
Manual Integrations  
APPROVED

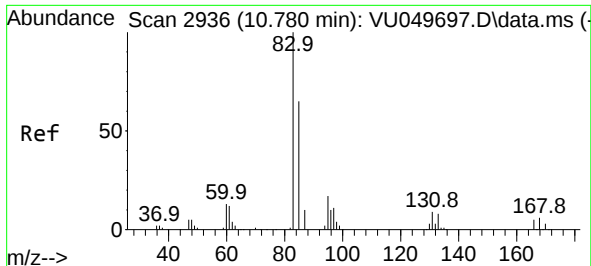
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022



#55  
Styrene  
Concen: 2.184 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Tgt Ion:104 Resp: 10294  
Ion Ratio Lower Upper  
104 100  
78 46.9 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 2.738 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU049700.D

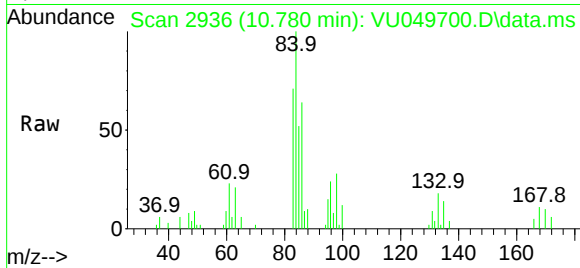
Acq: 13 Jul 2022 11:58

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-QT2-2022-04



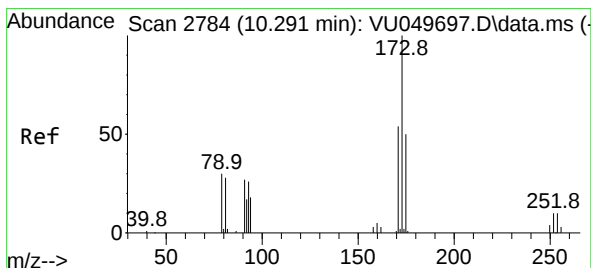
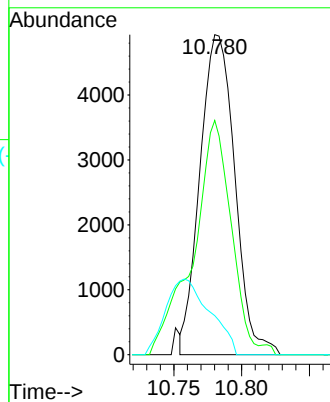
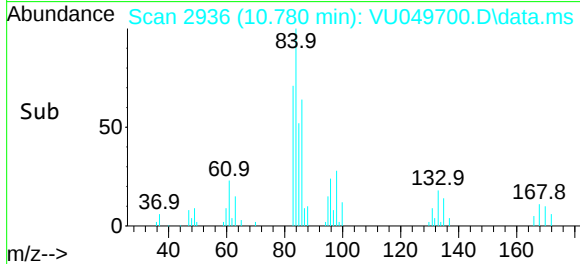
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 83    | Resp: | 8819 |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 85        | 73.2  | 45.0  | 83.6 |
| 131       | 17.4  | 7.0   | 10.6 |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/14/2022

Supervised By :Mahesh Dadoda 07/14/2022



#59

Bromoform

Concen: 2.670 ug/L

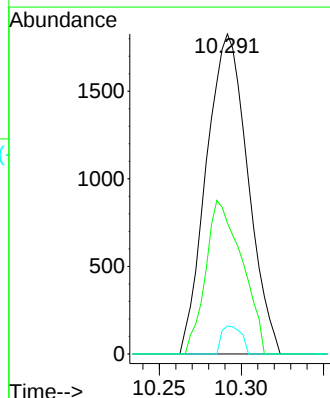
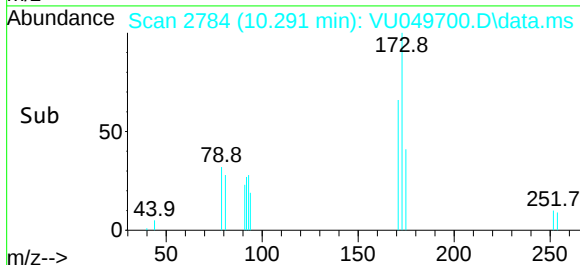
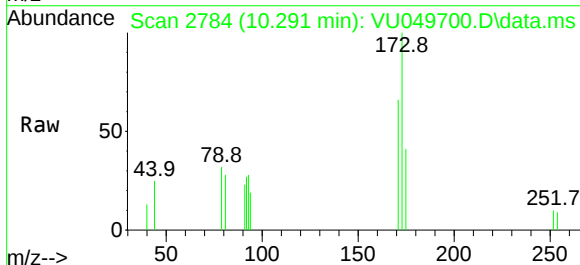
RT: 10.291 min Scan# 2784

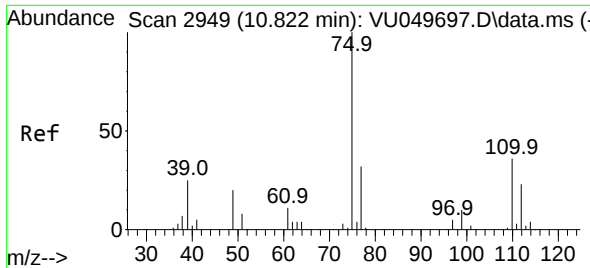
Delta R.T. -0.000 min

Lab File: VU049700.D

Acq: 13 Jul 2022 11:58

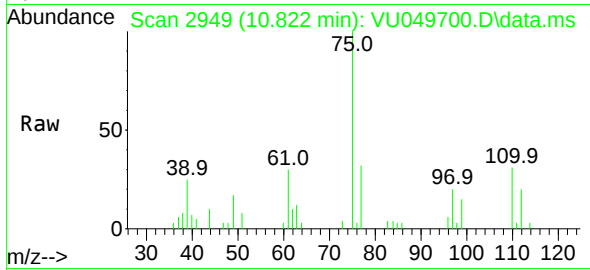
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 3205 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 42.0  | 38.6  | 58.0 |
| 254       | 4.1   | 7.4   | 11.0 |





#60  
1,2,3-Trichloropropane  
Concen: 2.936 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

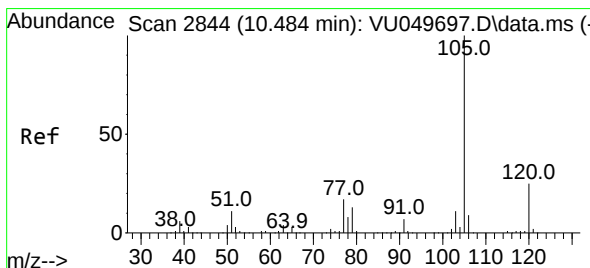
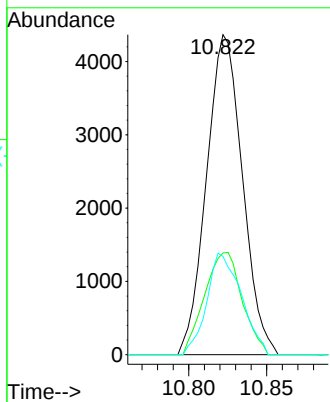
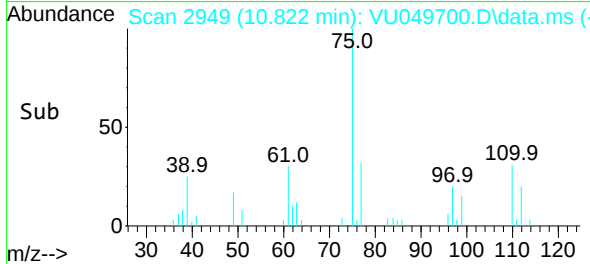
Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04



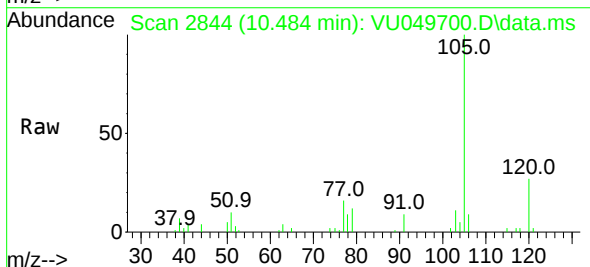
Tgt Ion: 75 Resp: 699  
Ion Ratio Lower Upper  
75 100  
77 33.4 25.5 38.3  
110 30.5 28.9 43.3

Manual Integrations  
APPROVED

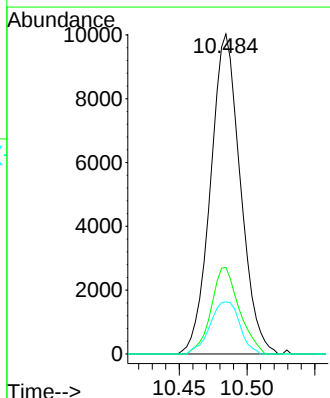
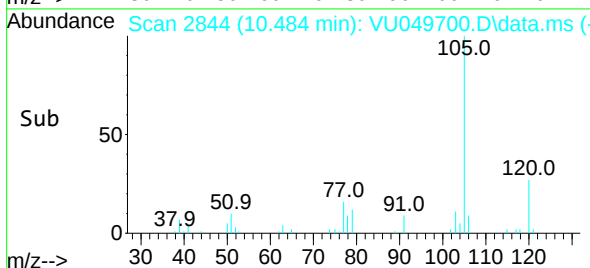
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022

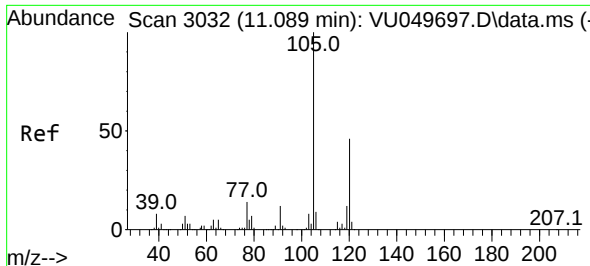


#61  
Isopropylbenzene  
Concen: 2.297 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58



Tgt Ion:105 Resp: 15348  
Ion Ratio Lower Upper  
105 100  
120 25.4 19.9 29.9  
77 16.2 13.8 20.8





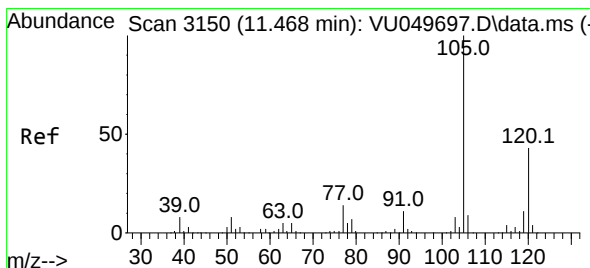
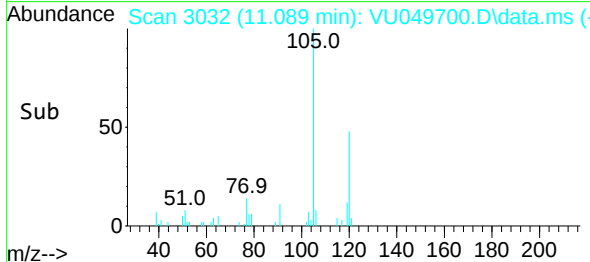
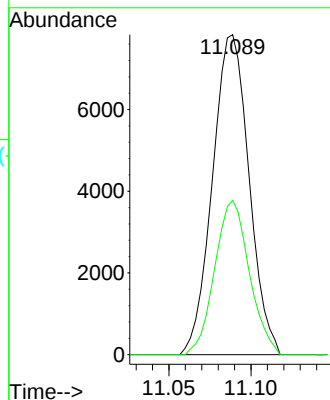
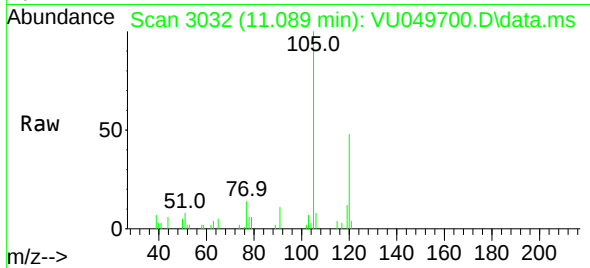
#62  
1,3,5-Trimethylbenzene  
Concen: 2.148 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

Instrument : MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04

Tgt Ion:105 Resp: 12109  
Ion Ratio Lower Upper  
105 100  
120 45.6 36.8 55.2

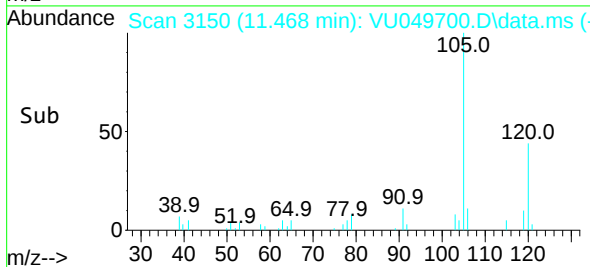
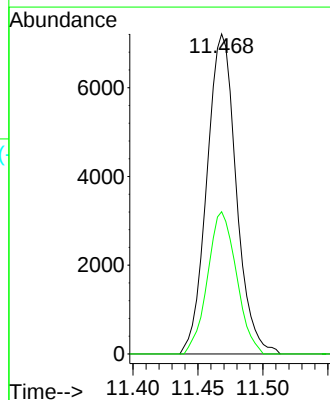
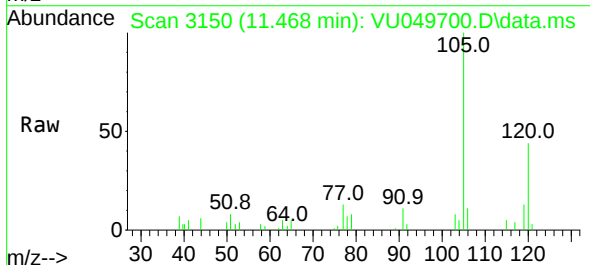
Manual Integrations  
APPROVED

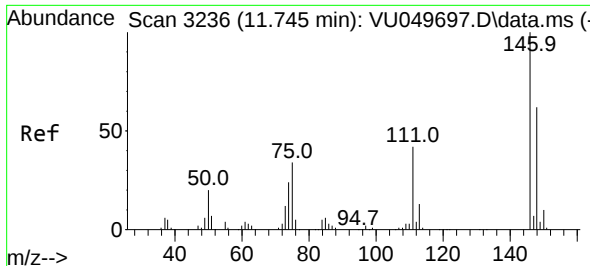
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022



#63  
1,2,4-Trimethylbenzene  
Concen: 2.024 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

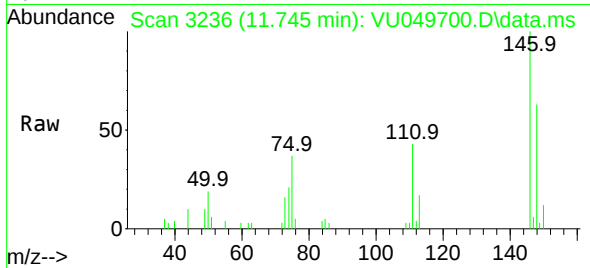
Tgt Ion:105 Resp: 11331  
Ion Ratio Lower Upper  
105 100  
120 43.7 33.9 50.9





#64  
1,3-Dichlorobenzene  
Concen: 2.518 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

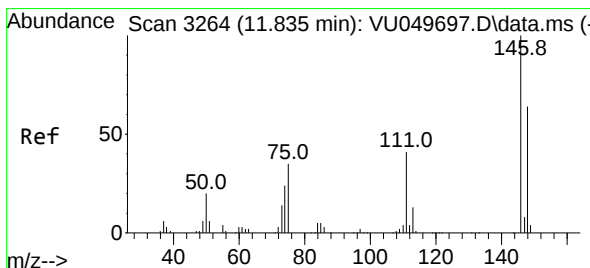
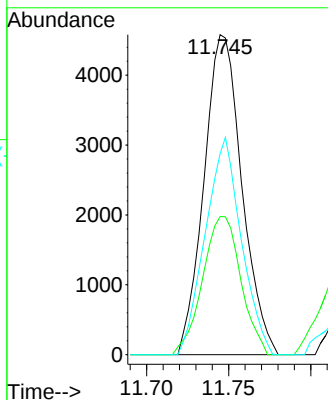
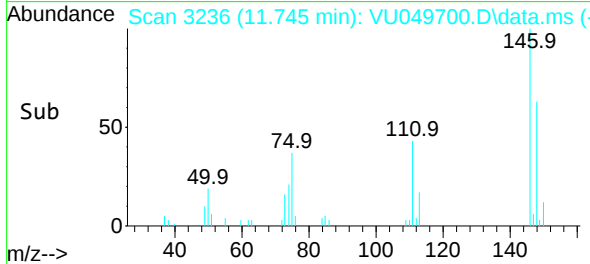
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04



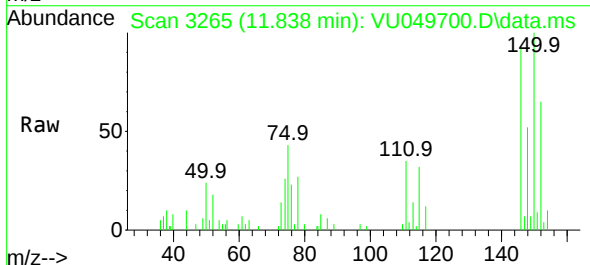
Tgt Ion:146 Resp: 7349  
Ion Ratio Lower Upper  
146 100  
111 43.1 30.0 55.6  
148 65.9 45.1 83.9

Manual Integrations  
APPROVED

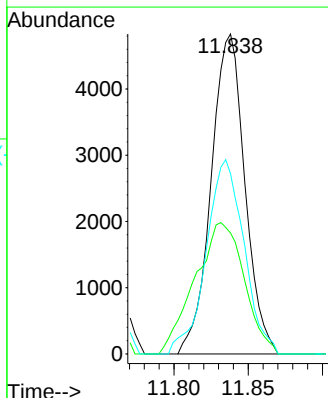
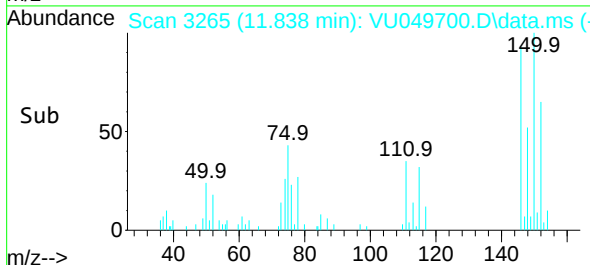
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022

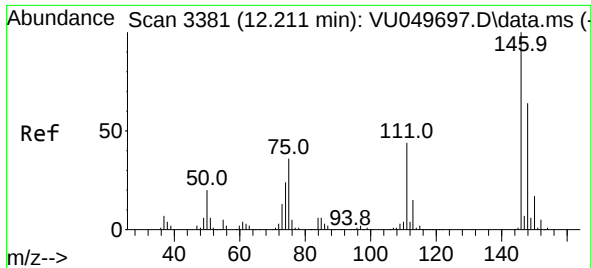


#65  
1,4-Dichlorobenzene  
Concen: 2.607 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58



Tgt Ion:146 Resp: 7638  
Ion Ratio Lower Upper  
146 100  
111 42.0 29.1 54.1  
148 56.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.675 ug/L

RT: 12.214 min Scan# 311

Delta R.T. 0.003 min

Lab File: VU049700.D

Acq: 13 Jul 2022 11:58

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-QT2-2022-04

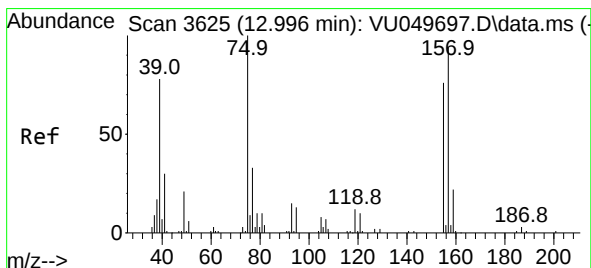
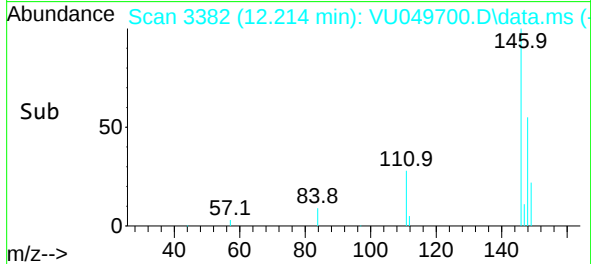
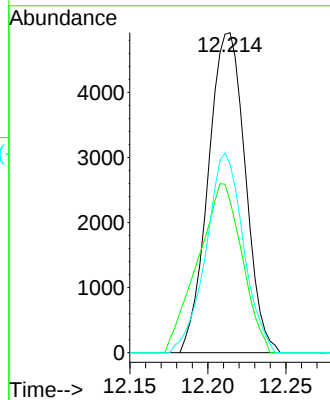
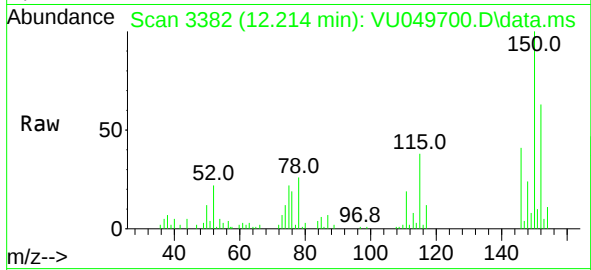
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 811  |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 52.3  | 35.8  | 53.8 |
| 148       | 58.9  | 52.7  | 79.1 |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 07/14/2022

Supervised By :Mahesh Dadoda 07/14/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 2.368 ug/L

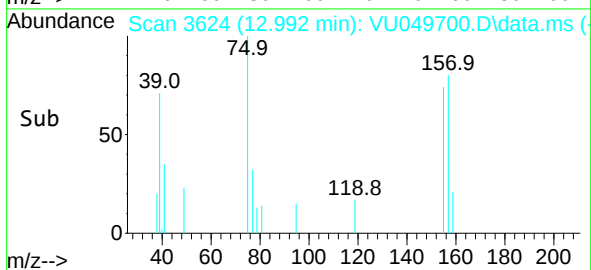
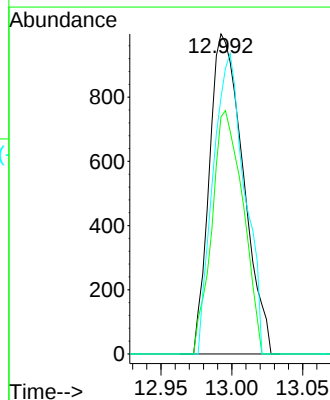
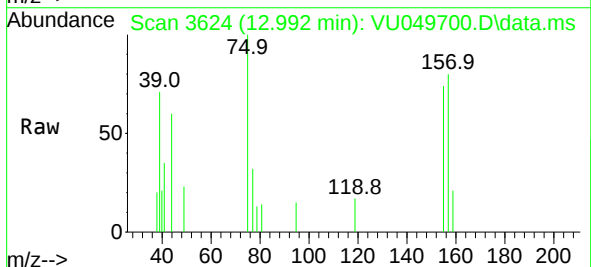
RT: 12.992 min Scan# 3624

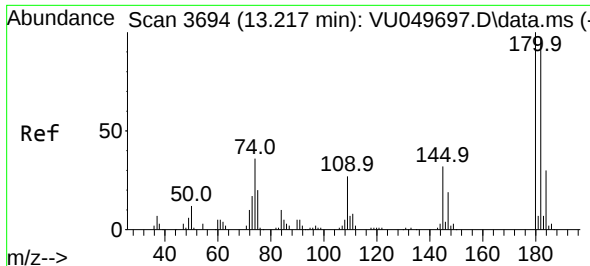
Delta R.T. -0.003 min

Lab File: VU049700.D

Acq: 13 Jul 2022 11:58

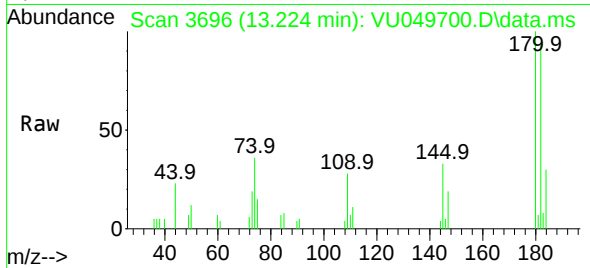
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 1654  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 74.1  | 57.7  | 86.5  |
| 157       | 80.1  | 75.6  | 113.4 |





#69  
1,3,5-Trichlorobenzene  
Concen: 2.537 ug/L m  
RT: 13.224 min Scan# 3696  
Delta R.T. 0.006 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

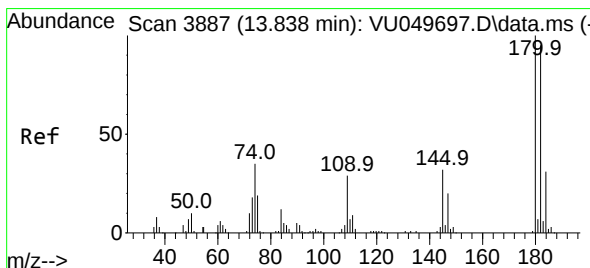
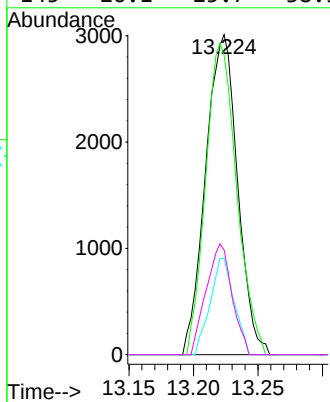
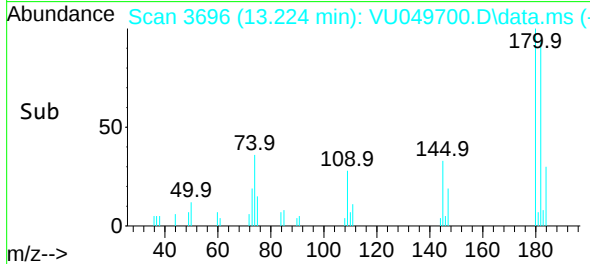
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04



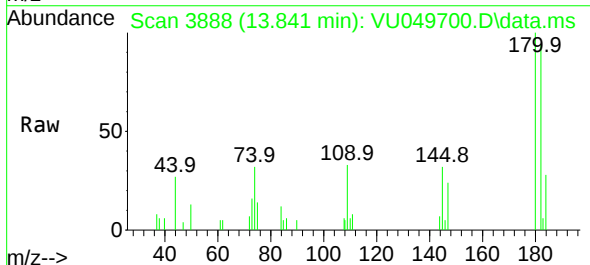
Tgt Ion:180 Resp: 5180  
Ion Ratio Lower Upper  
180 100  
182 76.1 76.0 114.0  
184 23.4 24.0 36.0  
145 26.1 25.7 38.5

Manual Integrations  
APPROVED

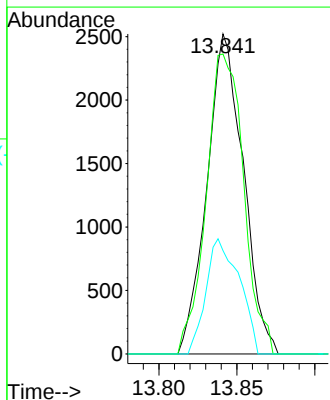
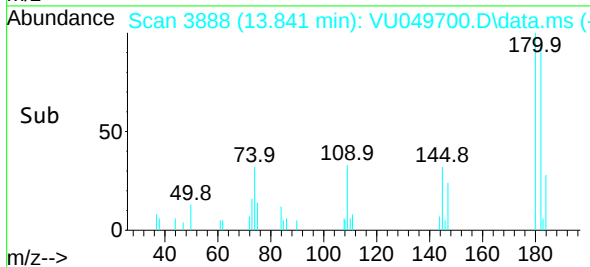
Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022

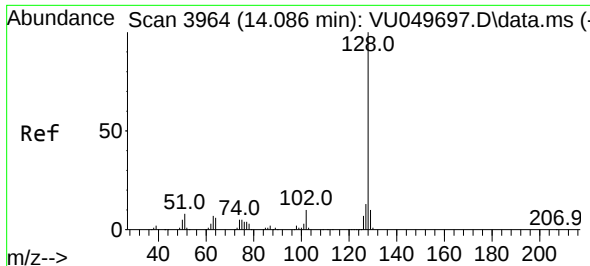


#70  
1,2,4-trichlorobenzene  
Concen: 2.182 ug/L  
RT: 13.841 min Scan# 3888  
Delta R.T. 0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58



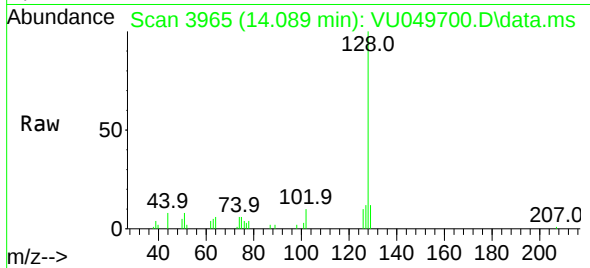
Tgt Ion:180 Resp: 4093  
Ion Ratio Lower Upper  
180 100  
182 96.4 74.8 112.2  
145 33.0 24.7 37.1





#71  
Naphthalene  
Concen: 2.098 ug/L  
RT: 14.089 min Scan# 3964  
Delta R.T. 0.003 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58

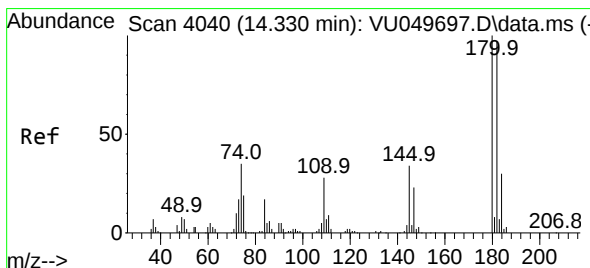
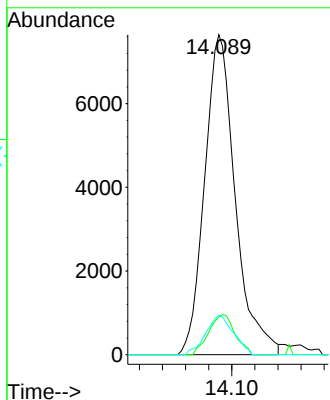
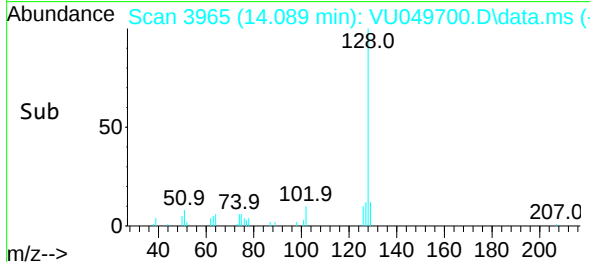
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2022-04



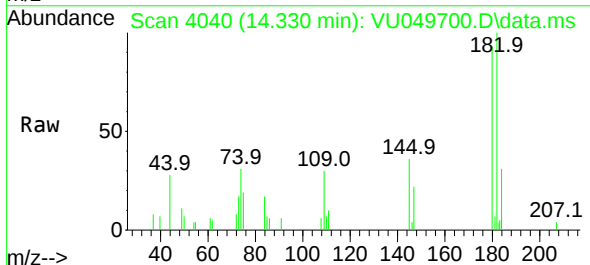
Tgt Ion:128 Resp: 14069  
Ion Ratio Lower Upper  
128 100  
127 10.7 10.2 15.4  
129 11.1 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 07/14/2022  
Supervised By :Mahesh Dadoda 07/14/2022



#72  
1,2,3-Trichlorobenzene  
Concen: 2.159 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU049700.D  
Acq: 13 Jul 2022 11:58



Tgt Ion:180 Resp: 4195  
Ion Ratio Lower Upper  
180 100  
182 110.0 76.6 115.0  
145 34.8 27.1 40.7

