

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111522\  
 Data File : VU051866.D  
 Acq On : 15 Nov 2022 17:58  
 Operator : JC/MD  
 Sample : MDL01  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/16/2022  
 Supervised By : Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 01:24:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM111522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 16 01:02:23 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|---------|----------|----------|
| Internal Standards            |         |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 6.247   | 114            | 477761   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.414   | 117            | 472338   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809  | 152            | 185065   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65             | 100051   | 42.657  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 85.320%  |          |
| 7) Chloroethane-d5            | 1.906   | 69             | 110635   | 47.079  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 94.160%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63             | 126965   | 30.187  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 60.380%  |          |
| 21) 2-Butanone-d5             | 4.617   | 46             | 267813   | 100.414 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 100.410% |          |
| 24) Chloroform-d              | 5.060   | 84             | 269721   | 45.874  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 91.740%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65             | 173004   | 48.068  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 96.140%  |          |
| 32) Benzene-d6                | 5.726   | 84             | 481855   | 48.927  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 97.860%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.687   | 67             | 184979   | 50.460  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 100.920% |          |
| 41) Toluene-d8                | 7.896   | 98             | 356833   | 44.142  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 88.280%  |          |
| 43) trans-1,3-Dichloroprop... | 8.176   | 79             | 66791    | 45.742  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 91.480%  |          |
| 47) 2-Hexanone-d5             | 8.629   | 63             | 178352   | 95.729  | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 95.730%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751  | 84             | 331779   | 46.502  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 93.000%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.189  | 152            | 170268   | 52.280  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 104.560% |          |
| Target Compounds              |         |                |          |         |          |          |
|                               |         |                |          |         | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85             | 5772     | 1.968   | ug/L     | 98       |
| 3) Chloromethane              | 1.523   | 50             | 11592    | 2.976   | ug/L     | 97       |
| 5) Vinyl chloride             | 1.604   | 62             | 8694     | 2.152   | ug/L #   | 1        |
| 6) Bromomethane               | 1.845   | 94             | 4137     | 2.363   | ug/L     | 89       |
| 8) Chloroethane               | 1.929   | 64             | 6654     | 2.533   | ug/L     | 97       |
| 9) Trichlorofluoromethane     | 2.134   | 101            | 10064    | 2.080   | ug/L     | 95       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578   | 101            | 7667     | 2.515   | ug/L     | 89       |
| 12) 1,1-Dichloroethene        | 2.578   | 96             | 7066     | 2.482   | ug/L #   | 1        |
| 13) Acetone                   | 2.623   | 43             | 14378    | 5.039   | ug/L     | 98       |
| 14) Carbon disulfide          | 2.794   | 76             | 17475    | 2.215   | ug/L     | 98       |
| 15) Methyl Acetate            | 2.951   | 43             | 8644     | 2.222   | ug/L     | 94       |
| 16) Methylene chloride        | 3.044   | 84             | 10189    | 2.242   | ug/L     | 96       |
| 17) trans-1,2-Dichloroethene  | 3.353   | 96             | 6772     | 2.207   | ug/L     | 90       |
| 18) Methyl tert-butyl Ether   | 3.356   | 73             | 19419    | 2.045   | ug/L     | 98       |
| 19) 1,1-Dichloroethane        | 3.867   | 63             | 14040    | 2.248   | ug/L     | 99       |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96             | 7742     | 2.162   | ug/L     | 99       |
| 22) 2-Butanone                | 4.713   | 43             | 15605m   | 4.842   | ug/L     |          |
| 23) Bromochloromethane        | 4.973   | 128            | 4282     | 2.167   | ug/L     | 95       |
| 27) 1,2-Dichloroethane        | 5.800   | 62             | 11624    | 2.414   | ug/L     | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111522\  
 Data File : VU051866.D  
 Acq On : 15 Nov 2022 17:58  
 Operator : JC/MD  
 Sample : MDL01  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL01

Manual Integrations  
 APPROVED

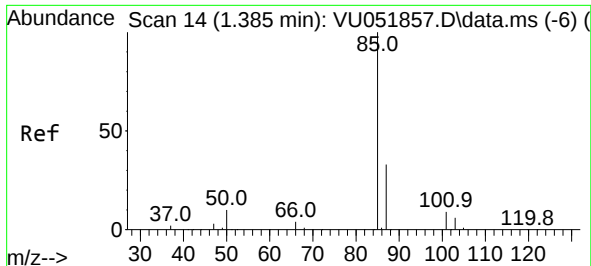
Reviewed By : John Carlone 11/16/2022  
 Supervised By : Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 01:24:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM111522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 16 01:02:23 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 29) Cyclohexane               | 5.385  | 56   | 7706     | 1.912 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 5.314  | 97   | 11112    | 2.327 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 5.520  | 117  | 8786     | 2.201 | ug/L   | 100      |
| 33) Benzene                   | 5.774  | 78   | 32977    | 2.427 | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.761  | 83   | 8795     | 2.015 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 8993     | 2.337 | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.102  | 83   | 11106    | 2.307 | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 10563    | 2.099 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 20046    | 3.957 | ug/L   | 94       |
| 42) Toluene                   | 7.967  | 91   | 31974    | 2.288 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 9991     | 2.072 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.395  | 97   | 8926     | 2.283 | ug/L   | 96       |
| 46) Tetrachloroethene         | 8.552  | 164  | 5984     | 2.328 | ug/L   | 89       |
| 49) Dibromochloromethane      | 8.806  | 129  | 8581     | 2.129 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 8867     | 2.253 | ug/L   | 95       |
| 51) Chlorobenzene             | 9.446  | 112  | 20659    | 2.163 | ug/L   | 95       |
| 52) Ethylbenzene              | 9.568  | 91   | 27862    | 1.948 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.694  | 106  | 9956     | 1.798 | ug/L   | 88       |
| 54) o-Xylene                  | 10.099 | 106  | 9213     | 1.635 | ug/L   | 99       |
| 55) Styrene                   | 10.115 | 104  | 13968    | 1.437 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.777 | 83   | 16993    | 2.300 | ug/L # | 95       |
| 59) Bromoform                 | 10.288 | 173  | 6625     | 2.640 | ug/L   | 91       |
| 60) 1,2,3-Trichloropropane    | 10.819 | 75   | 12298    | 2.778 | ug/L   | 99       |
| 61) Isopropylbenzene          | 10.481 | 105  | 22052    | 2.039 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 15554    | 1.765 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 15454    | 1.795 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 11876    | 2.166 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 13630    | 2.455 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 14635    | 2.511 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75   | 2783     | 2.455 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 8320     | 2.288 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 6008     | 2.084 | ug/L   | 96       |
| 71) Naphthalene               | 14.089 | 128  | 16329    | 1.722 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 6177     | 1.958 | ug/L   | 99       |

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





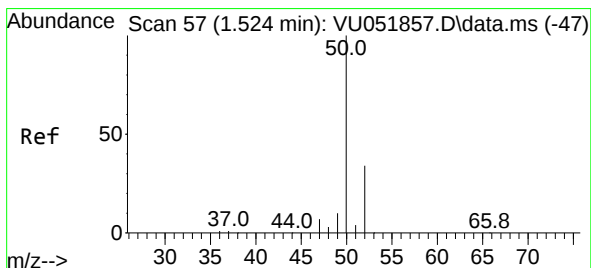
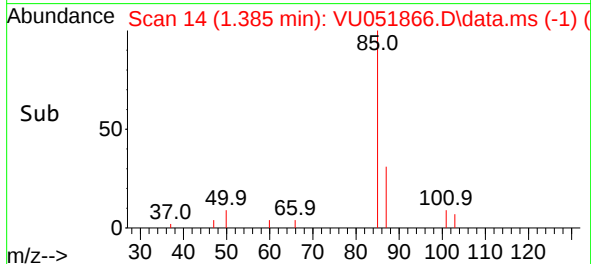
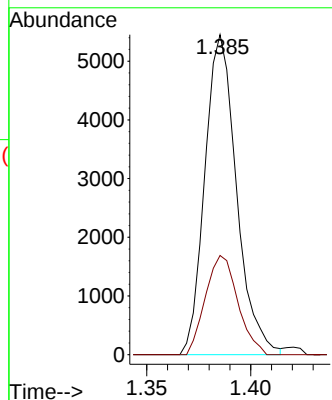
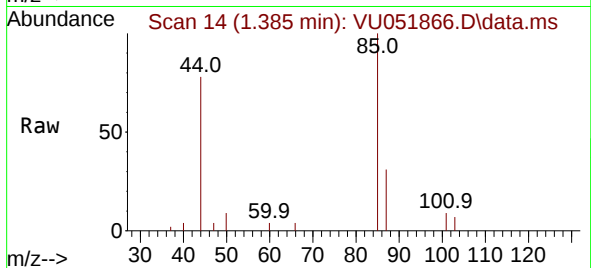
#2  
Dichlorodifluoromethane  
Concen: 1.968 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Tgt Ion: 85 Resp: 577  
Ion Ratio Lower Upper  
85 100  
87 31.6 26.0 39.0

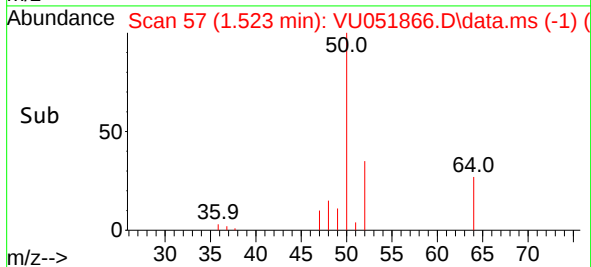
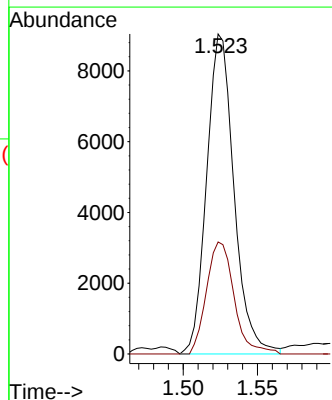
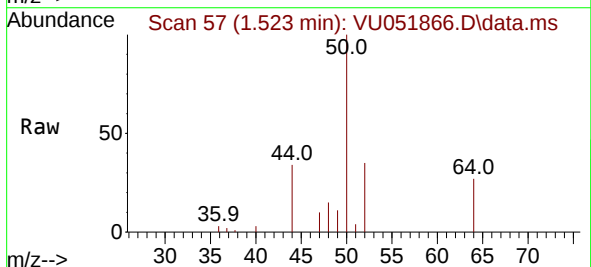
Manual Integrations  
APPROVED

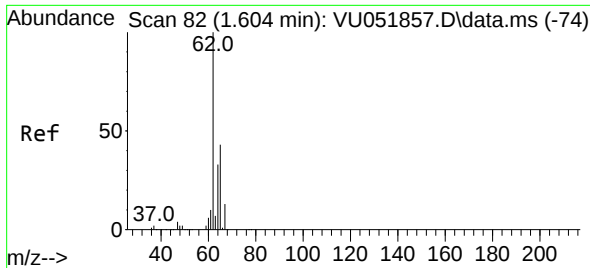
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#3  
Chloromethane  
Concen: 2.976 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

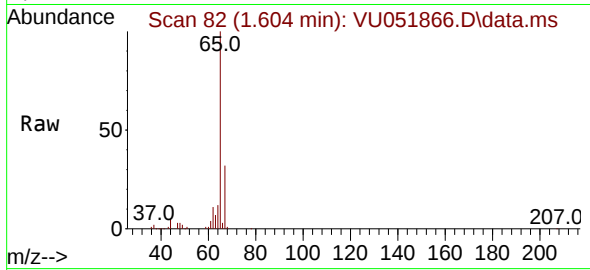
Tgt Ion: 50 Resp: 11592  
Ion Ratio Lower Upper  
50 100  
52 35.0 23.4 43.6





#5  
 Vinyl chloride  
 Concen: 2.152 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU051866.D  
 Acq: 15 Nov 2022 17:58

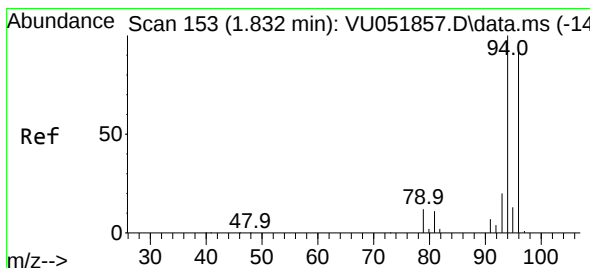
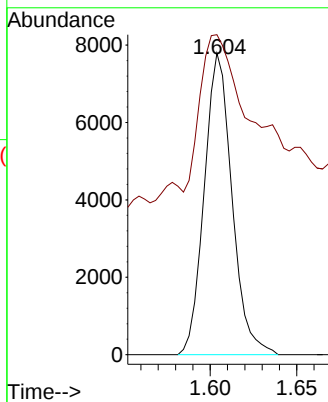
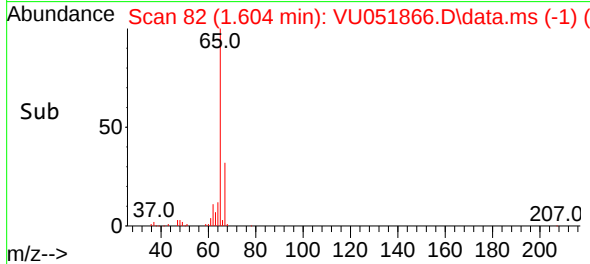
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL01



Tgt Ion: 62 Resp: 8694  
 Ion Ratio Lower Upper  
 62 100  
 64 106.1 24.3 45.1

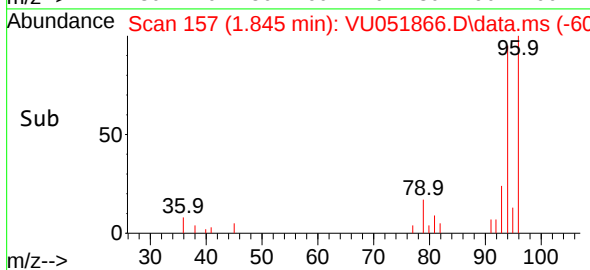
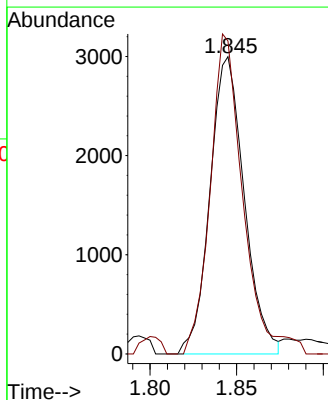
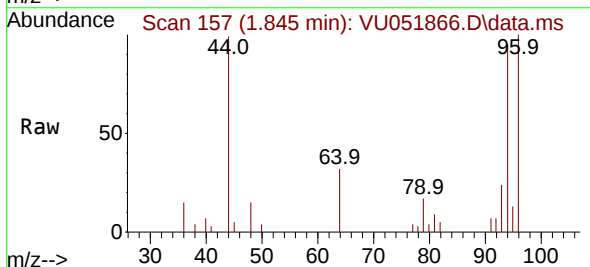
Manual Integrations  
 APPROVED

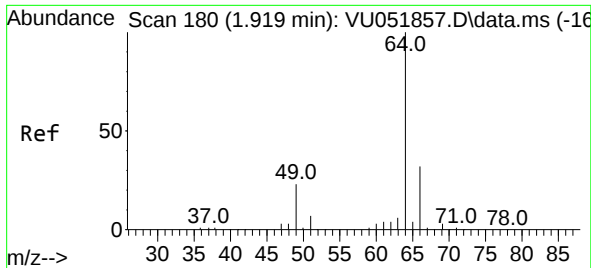
Reviewed By :John Carlone 11/16/2022  
 Supervised By :Mahesh Dadoda 11/16/2022



#6  
 Bromomethane  
 Concen: 2.363 ug/L  
 RT: 1.845 min Scan# 157  
 Delta R.T. 0.013 min  
 Lab File: VU051866.D  
 Acq: 15 Nov 2022 17:58

Tgt Ion: 94 Resp: 4137  
 Ion Ratio Lower Upper  
 94 100  
 96 105.3 66.1 122.7





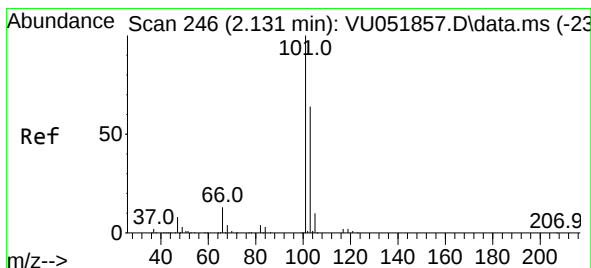
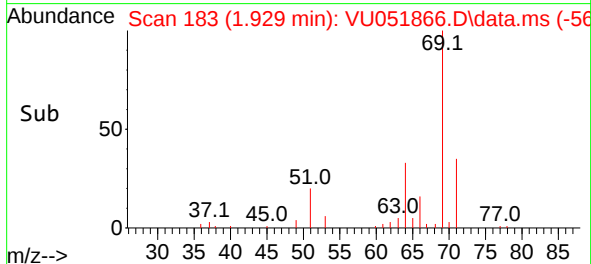
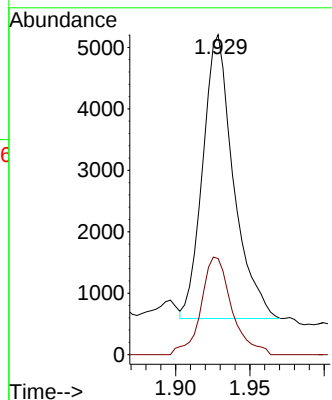
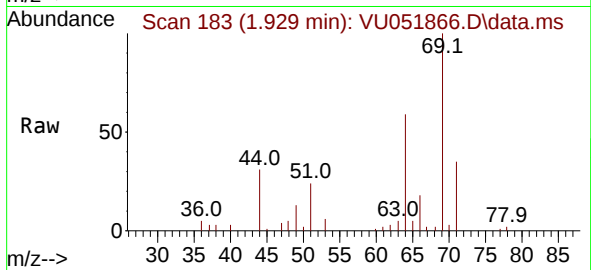
#8  
Chloroethane  
Concen: 2.533 ug/L  
RT: 1.929 min Scan# 11  
Delta R.T. 0.009 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Tgt Ion: 64 Resp: 6654  
Ion Ratio Lower Upper  
64 100  
66 30.1 22.4 41.6

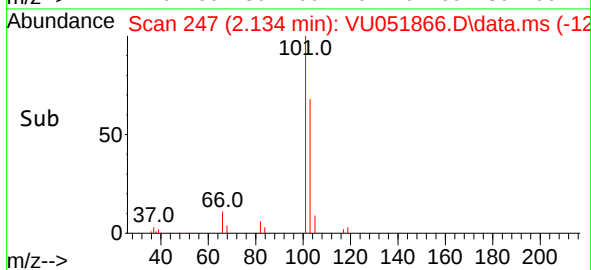
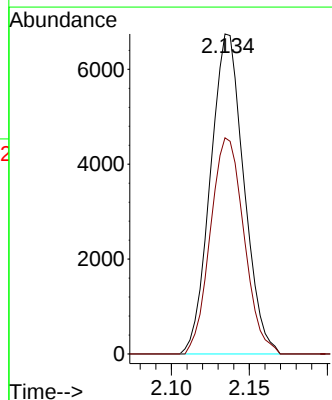
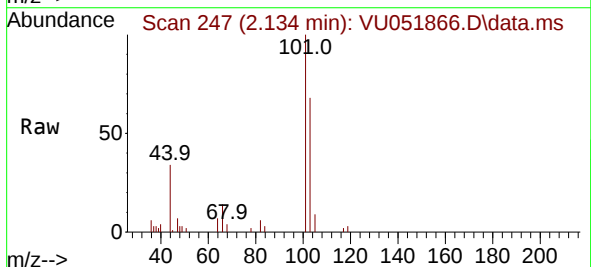
Manual Integrations  
APPROVED

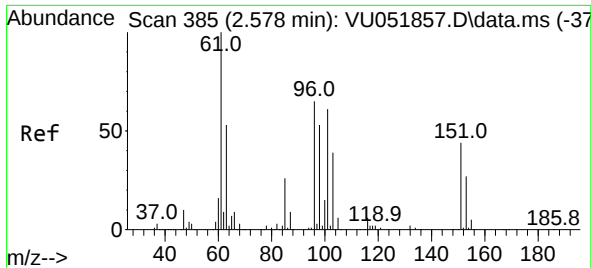
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#9  
Trichlorofluoromethane  
Concen: 2.080 ug/L  
RT: 2.134 min Scan# 247  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Tgt Ion:101 Resp: 10064  
Ion Ratio Lower Upper  
101 100  
103 67.9 51.4 77.2





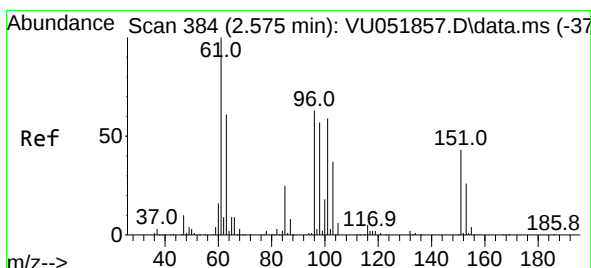
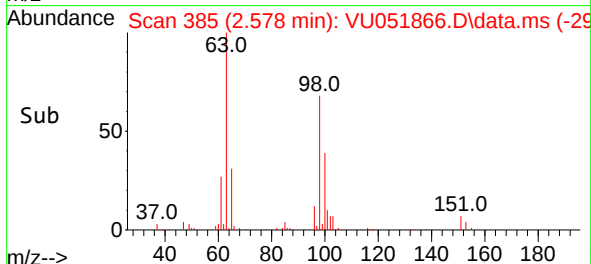
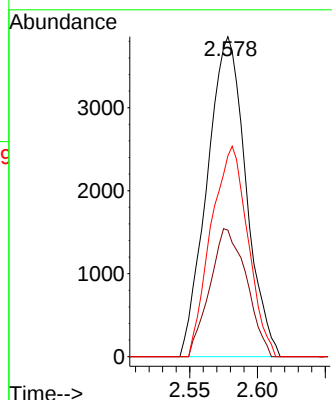
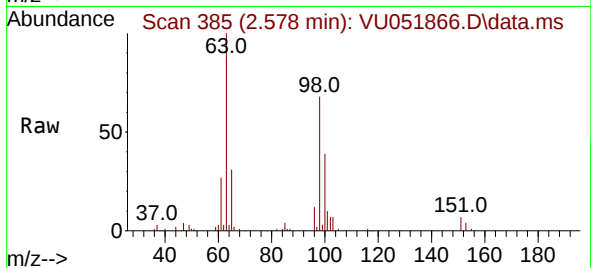
#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 2.515 ug/L  
RT: 2.578 min Scan# 385  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Tgt Ion: 101 Resp: 766  
Ion Ratio Lower Upper  
101 100  
85 37.7 34.2 51.2  
151 62.6 58.3 87.5

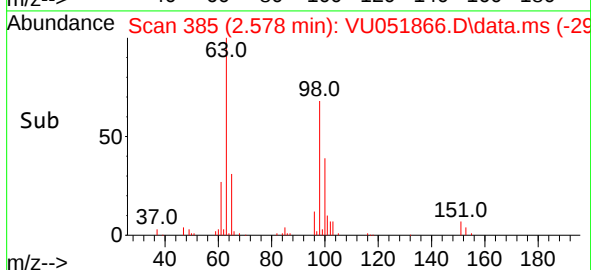
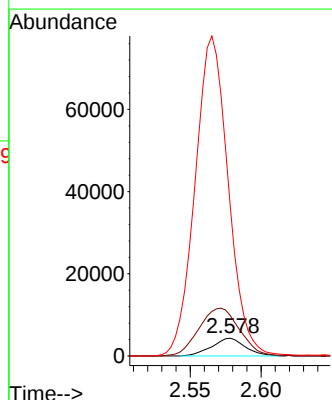
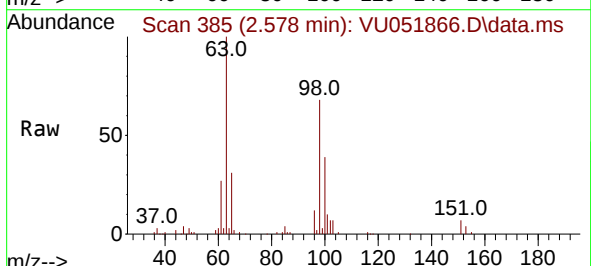
Manual Integrations  
APPROVED

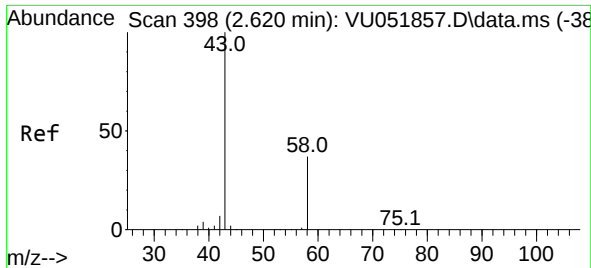
Reviewed By : John Carlone 11/16/2022  
Supervised By : Mahesh Dadoda 11/16/2022



#12  
1,1-Dichloroethene  
Concen: 2.482 ug/L  
RT: 2.578 min Scan# 385  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Tgt Ion: 96 Resp: 7066  
Ion Ratio Lower Upper  
96 100  
61 229.4 110.7 205.5#  
63 854.2 68.6 127.4#





#13

Acetone

Concen: 5.039 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

Instrument :

MSVOA\_U

ClientSampleId :

MDL01

Tgt Ion: 43 Resp: 14378

Ion Ratio Lower Upper

43 100

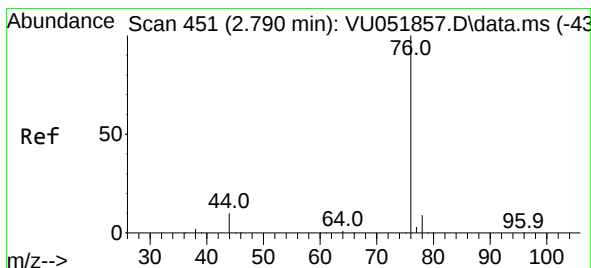
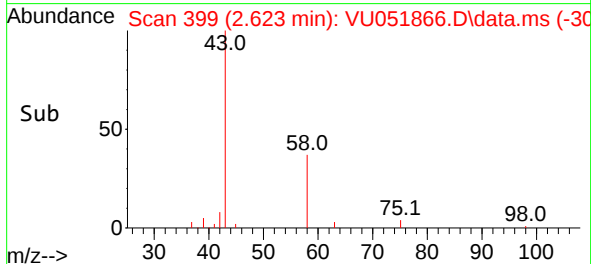
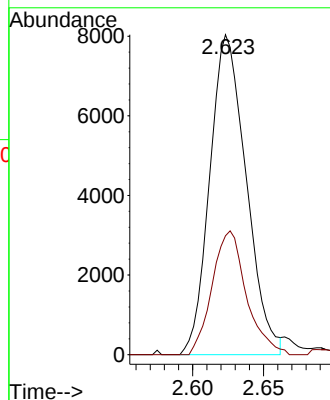
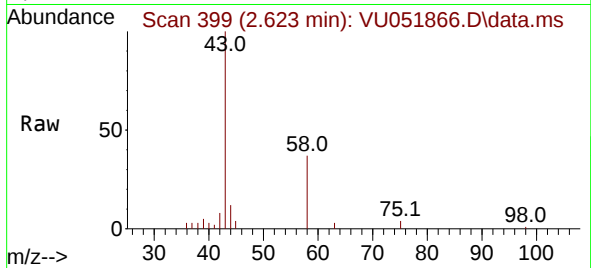
58 36.4 0.0 75.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#14

Carbon disulfide

Concen: 2.215 ug/L

RT: 2.794 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU051866.D

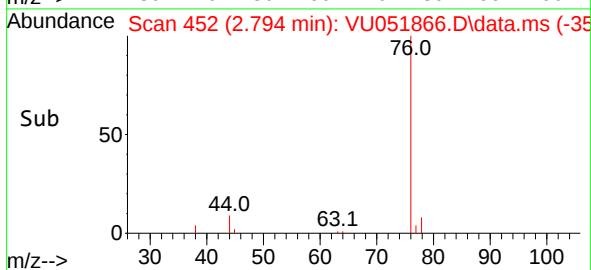
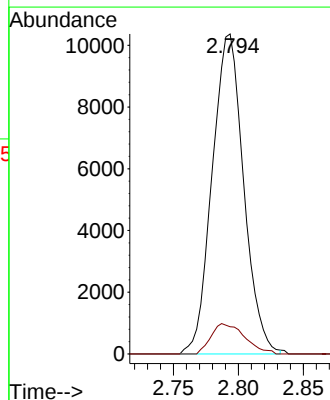
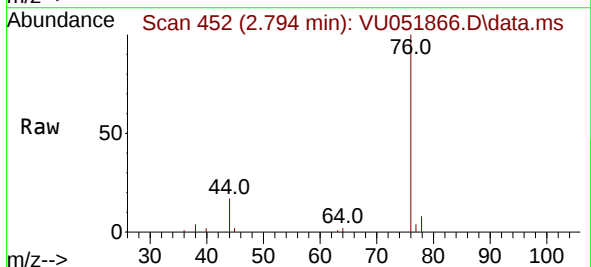
Acq: 15 Nov 2022 17:58

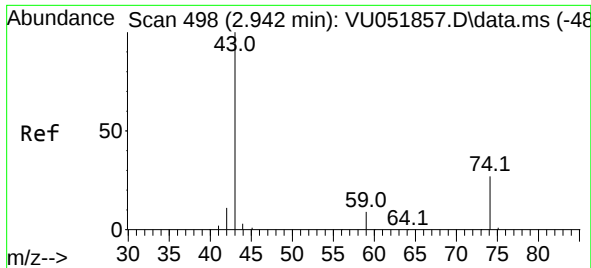
Tgt Ion: 76 Resp: 17475

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0





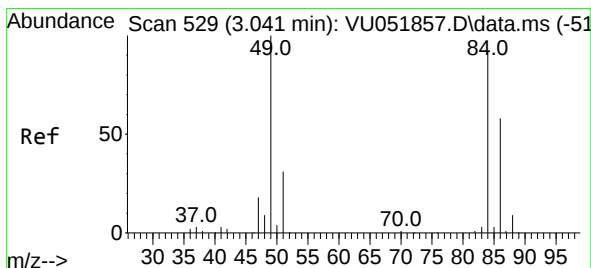
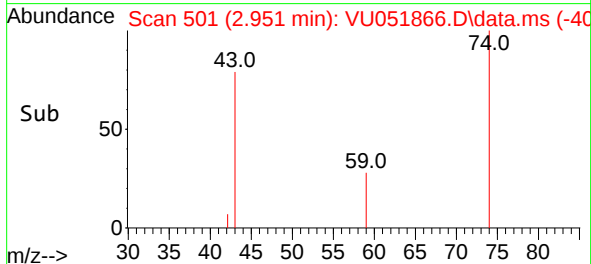
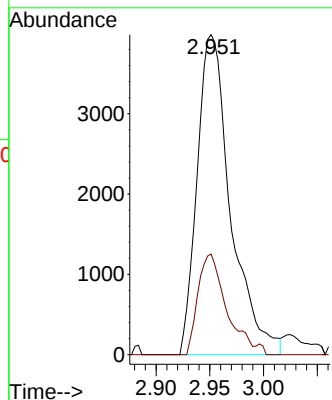
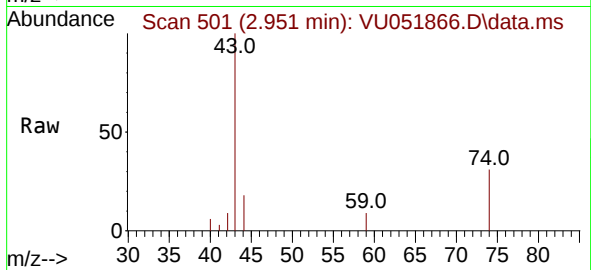
#15  
Methyl Acetate  
Concen: 2.222 ug/L  
RT: 2.951 min Scan# 501  
Delta R.T. 0.009 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Tgt Ion: 43 Resp: 864  
Ion Ratio Lower Upper  
43 100  
74 24.4 21.8 32.8

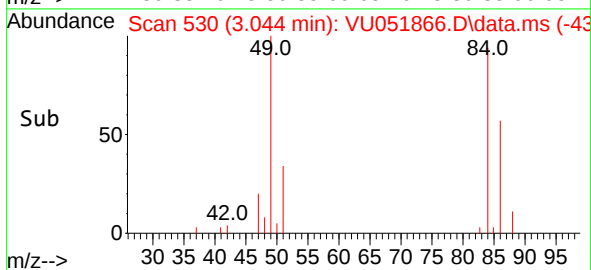
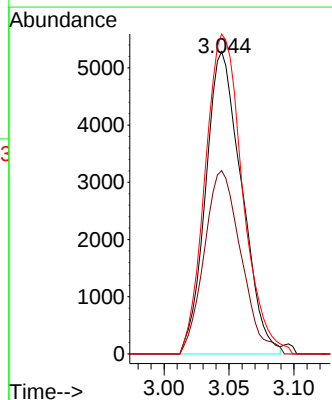
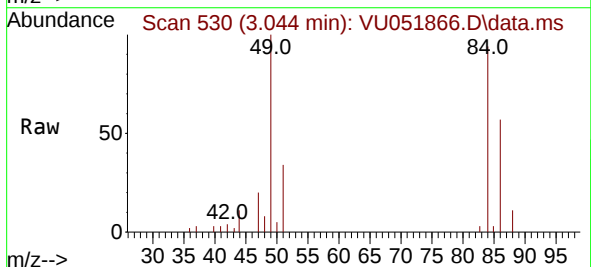
Manual Integrations  
APPROVED

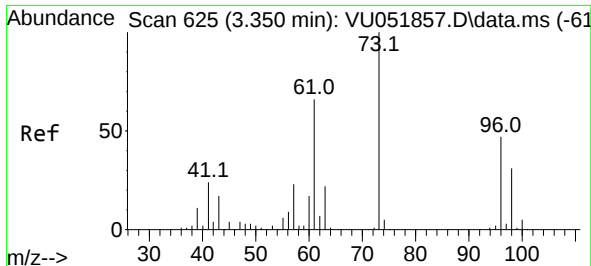
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#16  
Methylene chloride  
Concen: 2.242 ug/L  
RT: 3.044 min Scan# 530  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Tgt Ion: 84 Resp: 10189  
Ion Ratio Lower Upper  
84 100  
86 60.7 44.7 82.9  
49 105.9 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 2.207 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

Instrument :

MSVOA\_U

ClientSampleId :

MDL01

Tgt Ion: 96 Resp: 6772

Ion Ratio Lower Upper

96 100

61 130.3 98.3 182.7

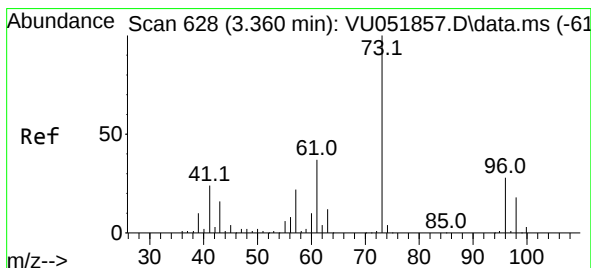
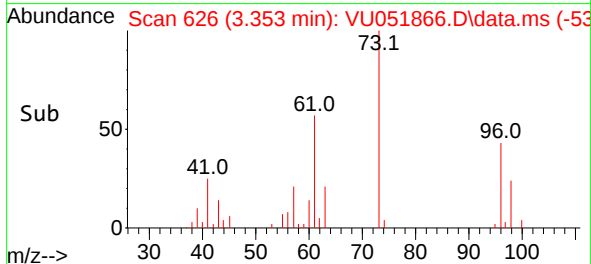
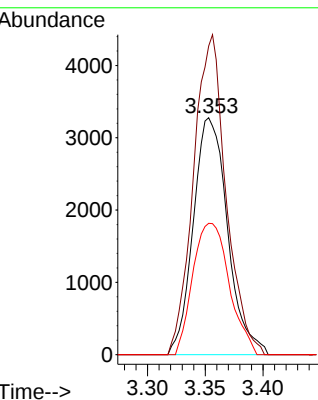
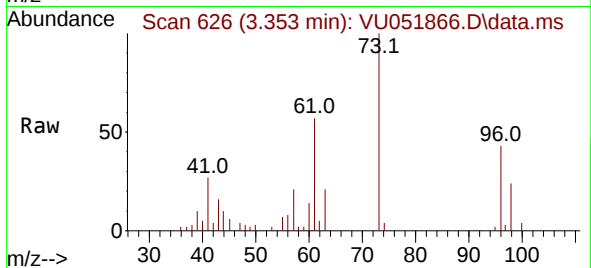
98 55.4 45.5 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#18

Methyl tert-butyl Ether

Concen: 2.045 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.003 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

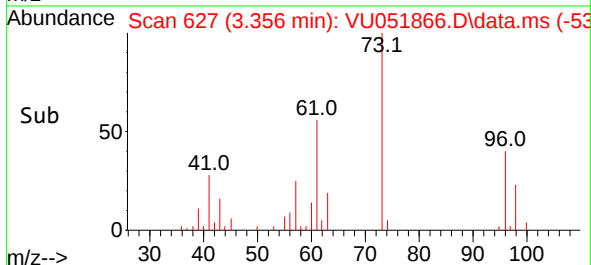
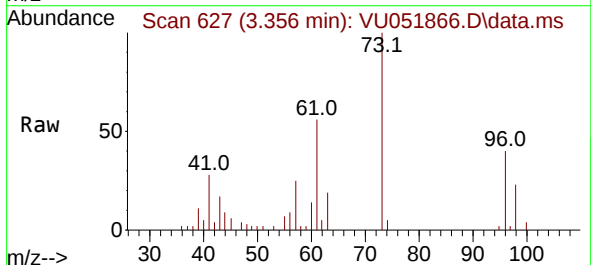
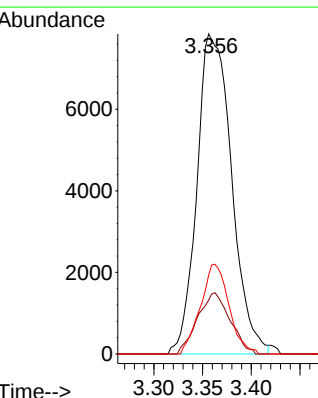
Tgt Ion: 73 Resp: 19419

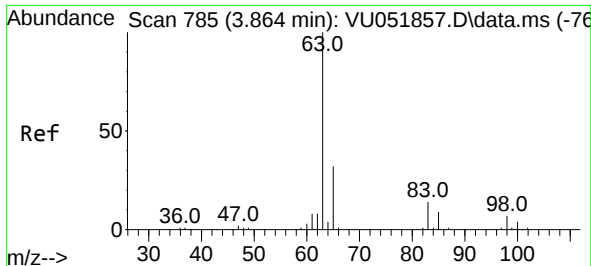
Ion Ratio Lower Upper

73 100

43 17.8 13.4 20.0

57 22.9 17.7 26.5





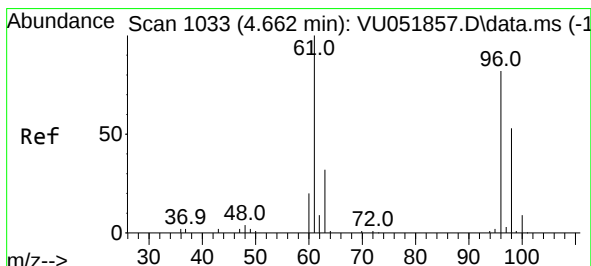
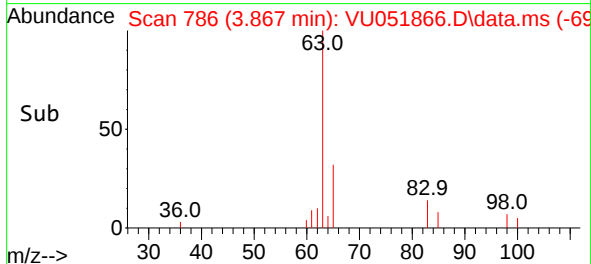
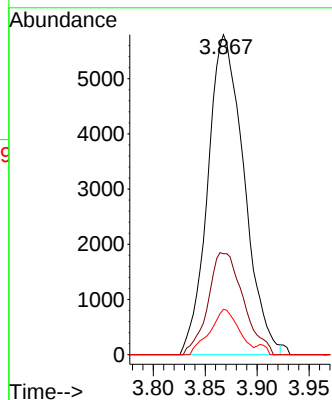
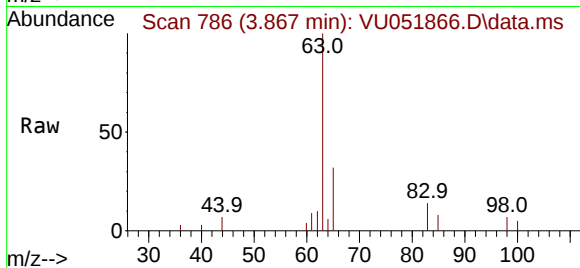
#19  
1,1-Dichloroethane  
Concen: 2.248 ug/L  
RT: 3.867 min Scan# 786  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Tgt Ion: 63 Resp: 14040  
Ion Ratio Lower Upper  
63 100  
65 31.6 22.2 41.2  
83 14.2 9.6 17.8

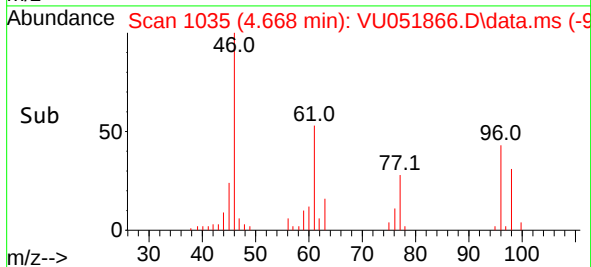
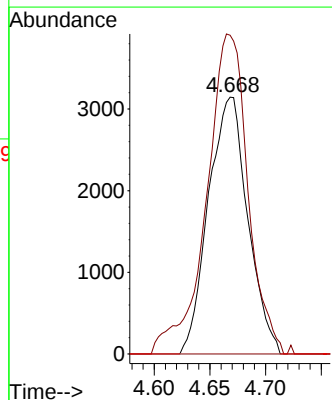
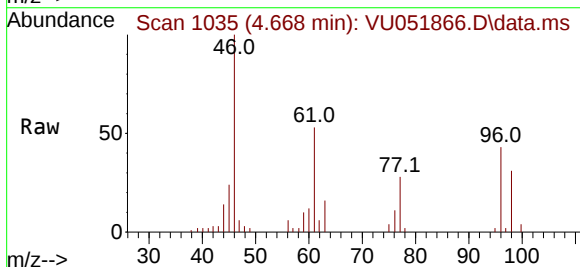
Manual Integrations  
APPROVED

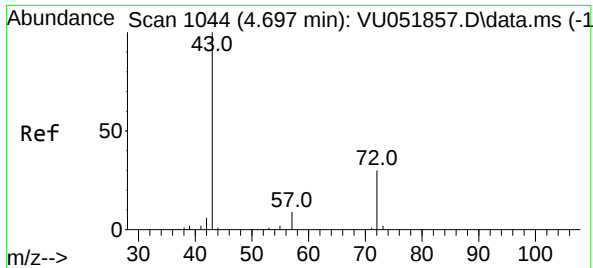
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#20  
cis-1,2-Dichloroethene  
Concen: 2.162 ug/L  
RT: 4.668 min Scan# 1035  
Delta R.T. 0.006 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Tgt Ion: 96 Resp: 7742  
Ion Ratio Lower Upper  
96 100  
61 124.2 86.0 159.8  
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.842 ug/L m

RT: 4.713 min Scan# 1044

Delta R.T. 0.016 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

Instrument :

MSVOA\_U

ClientSampleId :

MDL01

Tgt Ion: 43 Resp: 1560

Ion Ratio Lower Upper

43 100

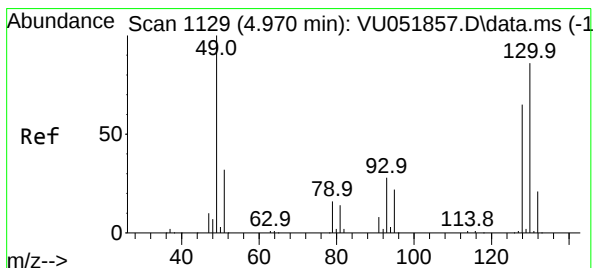
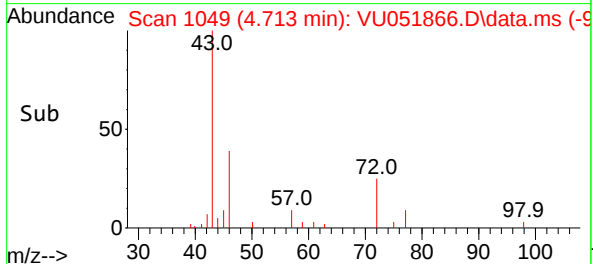
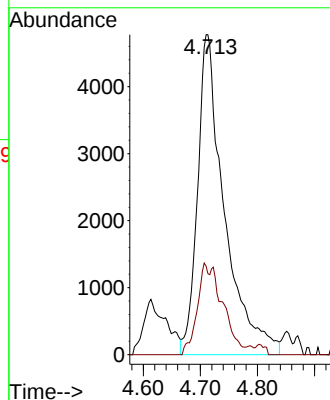
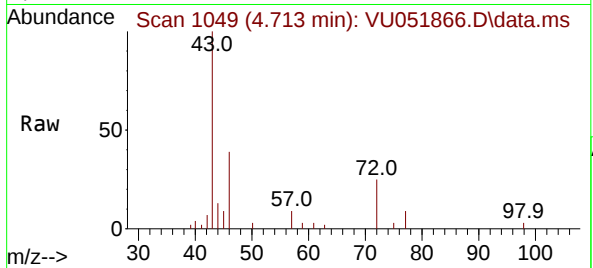
72 0.3 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#23

Bromochloromethane

Concen: 2.167 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

Tgt Ion:128 Resp: 4282

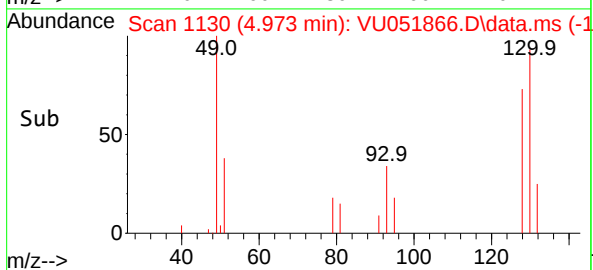
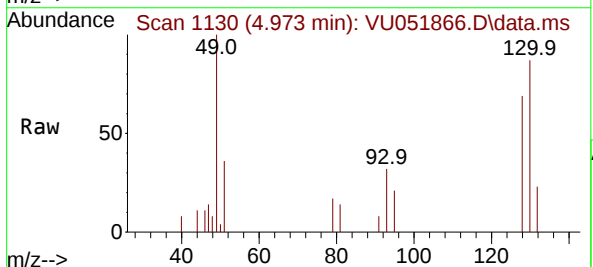
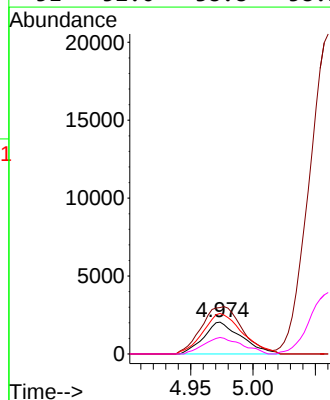
Ion Ratio Lower Upper

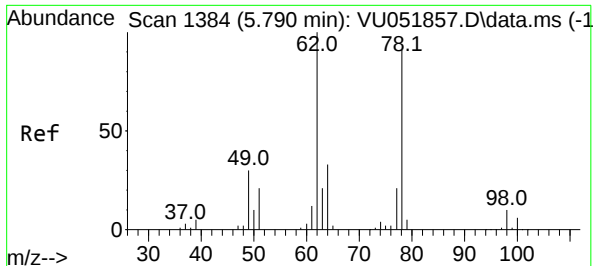
128 100

49 145.6 107.2 199.0

130 127.1 92.5 171.7

51 52.0 38.8 58.2





#27

1,2-Dichloroethane

Concen: 2.414 ug/L

RT: 5.800 min Scan# 11624

Delta R.T. 0.009 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

Instrument :

MSVOA\_U

ClientSampleId :

MDL01

Tgt Ion: 62 Resp: 11624

Ion Ratio Lower Upper

62 100

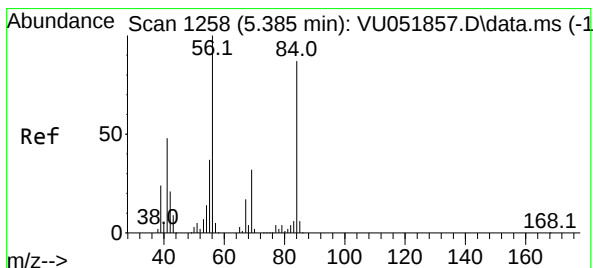
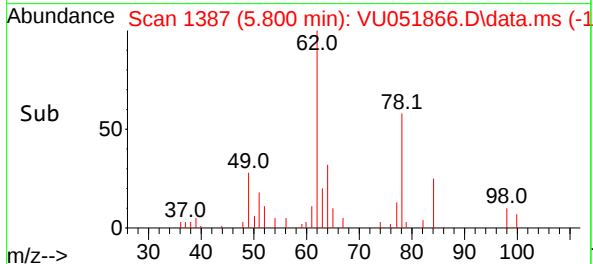
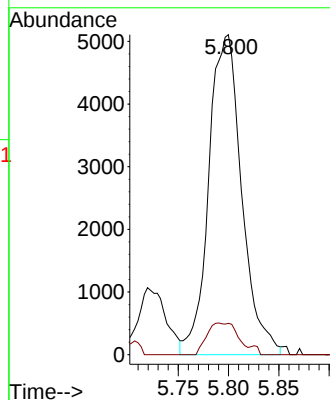
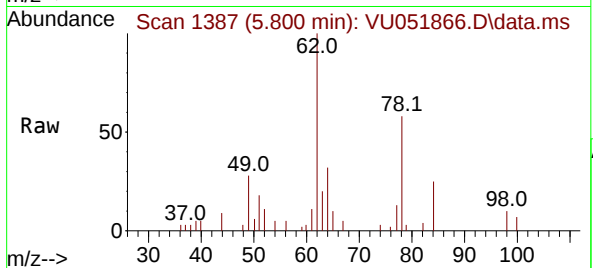
98 9.8 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#29

Cyclohexane

Concen: 1.912 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

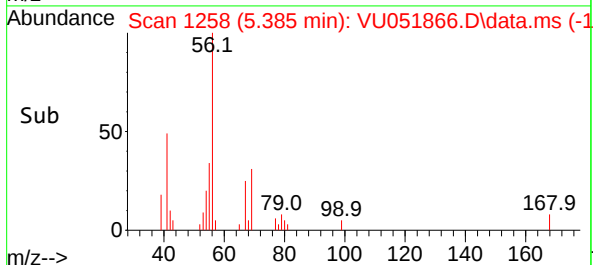
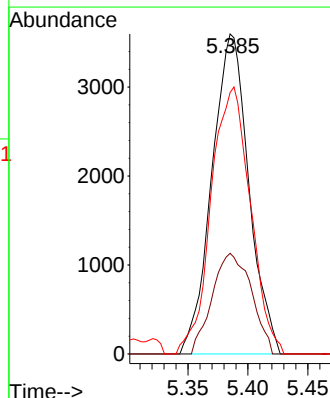
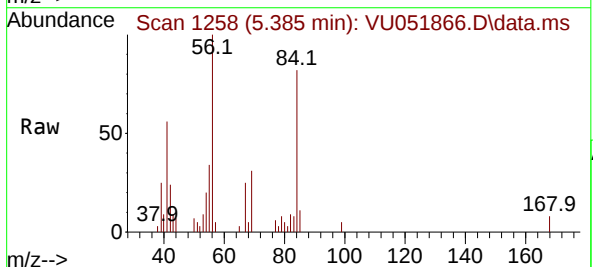
Tgt Ion: 56 Resp: 7706

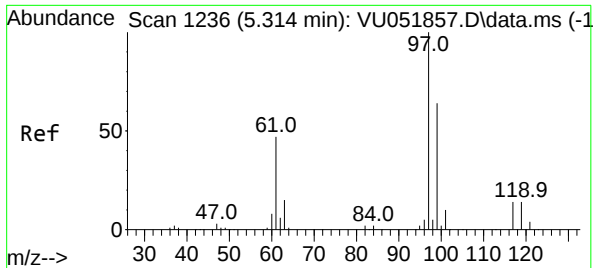
Ion Ratio Lower Upper

56 100

69 33.4 25.4 38.2

84 88.5 71.4 107.0





#30

1,1,1-Trichloroethane

Concen: 2.327 ug/L

RT: 5.314 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

Instrument :

MSVOA\_U

ClientSampleId :

MDL01

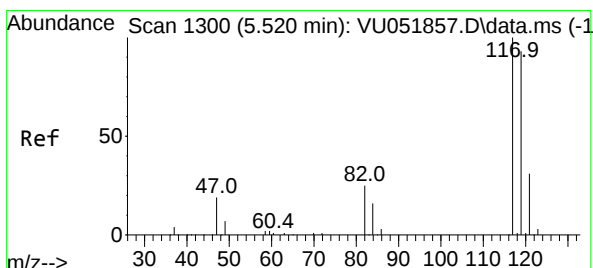
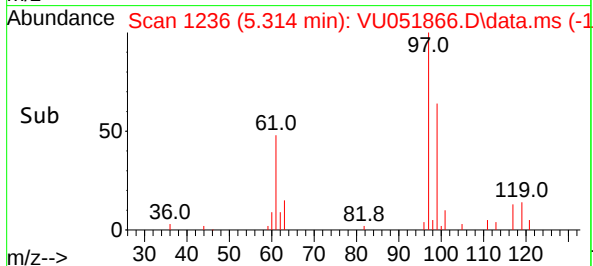
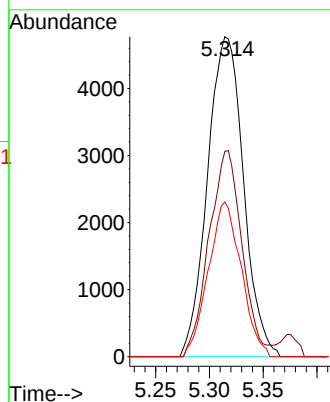
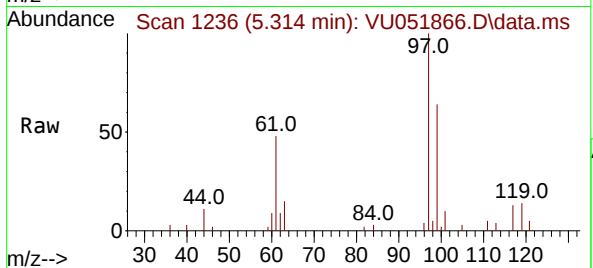
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 1111  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 59.4     | 51.2 76.8   |
| 61 44.3     | 37.4 56.2   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#31

Carbon tetrachloride

Concen: 2.201 ug/L

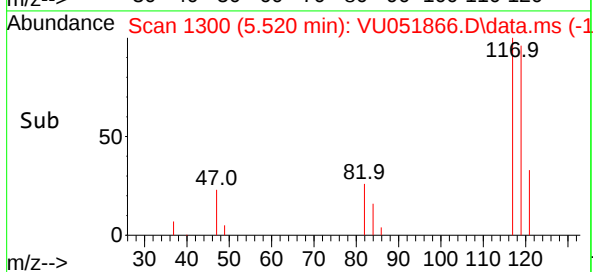
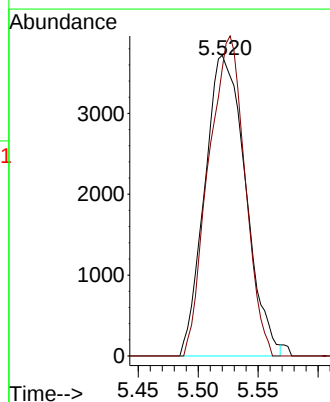
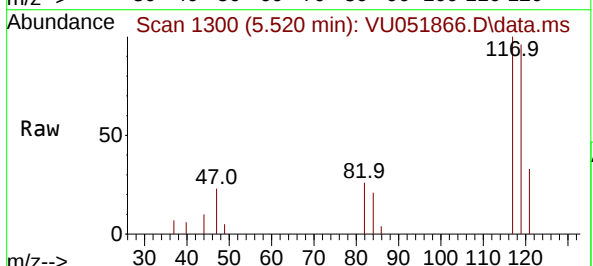
RT: 5.520 min Scan# 1300

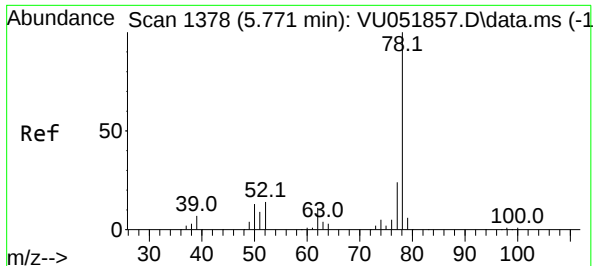
Delta R.T. -0.000 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

|              |             |
|--------------|-------------|
| Tgt Ion: 117 | Resp: 8786  |
| Ion Ratio    | Lower Upper |
| 117 100      |             |
| 119 94.9     | 75.6 113.4  |





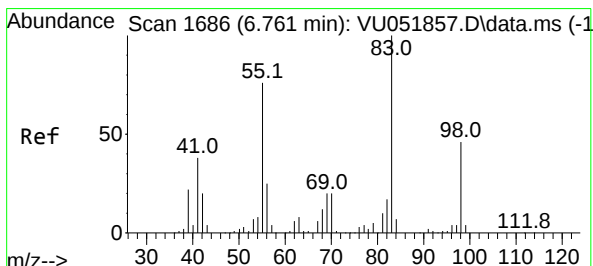
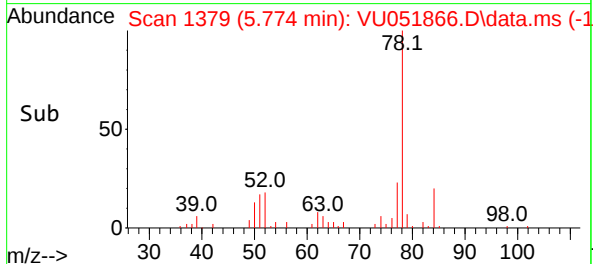
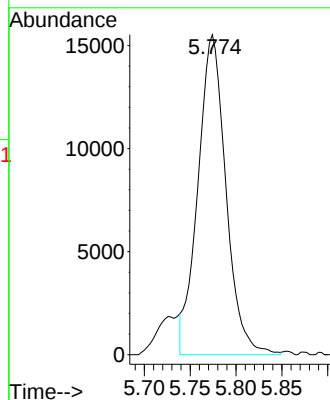
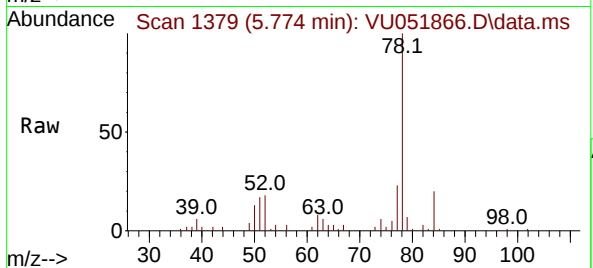
#33  
Benzene  
Concen: 2.427 ug/L  
RT: 5.774 min Scan# 1378  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Tgt Ion: 78 Resp: 3297

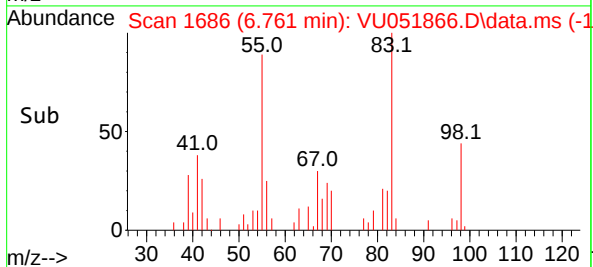
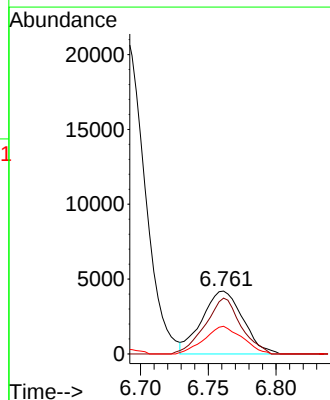
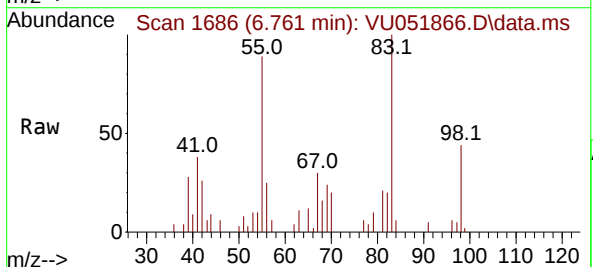
Manual Integrations  
APPROVED

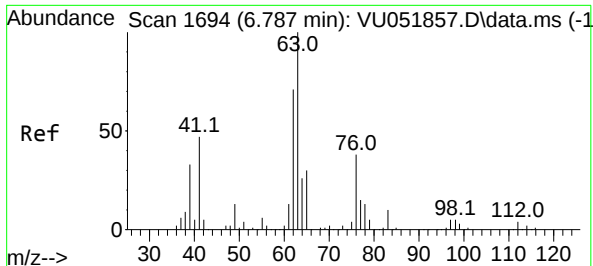
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#35  
Methylcyclohexane  
Concen: 2.015 ug/L  
RT: 6.761 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Tgt Ion: 83 Resp: 8795  
Ion Ratio Lower Upper  
83 100  
55 77.3 60.0 90.0  
98 41.0 35.8 53.8





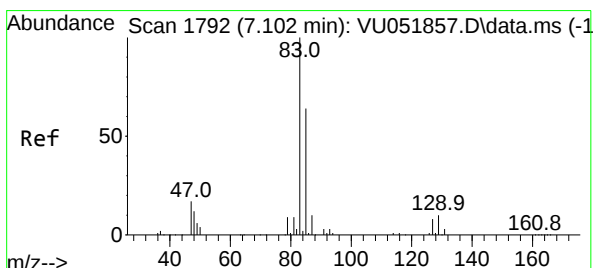
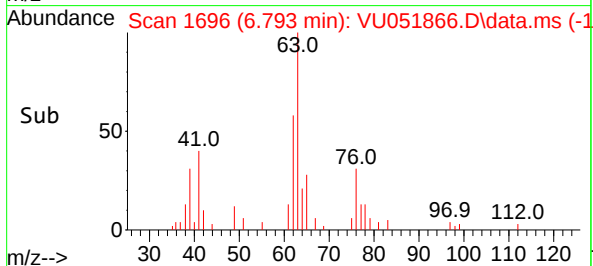
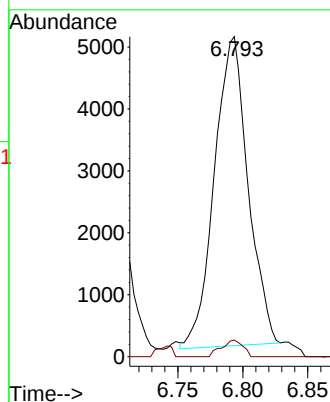
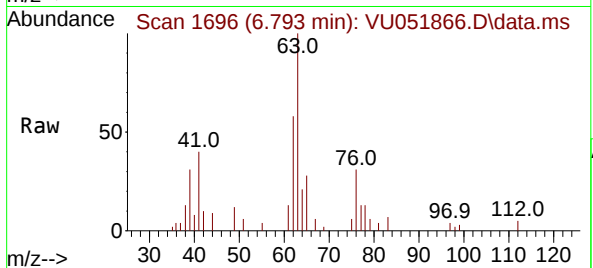
#37  
1,2-Dichloropropane  
Concen: 2.337 ug/L  
RT: 6.793 min Scan# 1696  
Delta R.T. 0.006 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Tgt Ion: 63 Resp: 899  
Ion Ratio Lower Upper  
63 100  
112 3.4 3.0 4.6

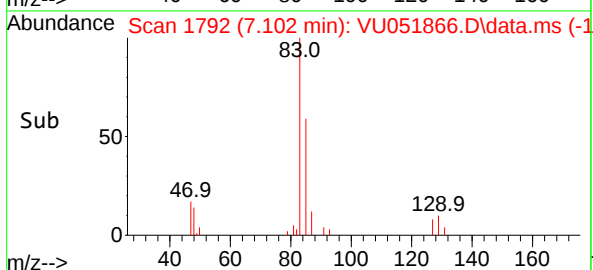
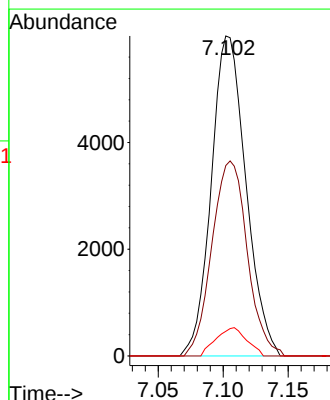
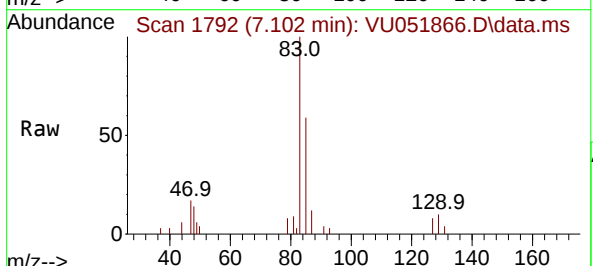
Manual Integrations  
APPROVED

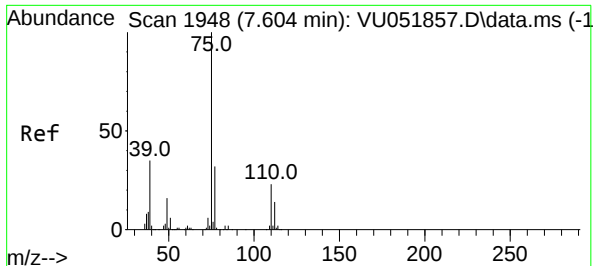
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#38  
Bromodichloromethane  
Concen: 2.307 ug/L  
RT: 7.102 min Scan# 1792  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Tgt Ion: 83 Resp: 11106  
Ion Ratio Lower Upper  
83 100  
85 59.5 44.6 82.8  
127 7.7 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 2.099 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

Instrument :

MSVOA\_U

ClientSampleId :

MDL01

Tgt Ion: 75 Resp: 1056

Ion Ratio Lower Upper

75 100

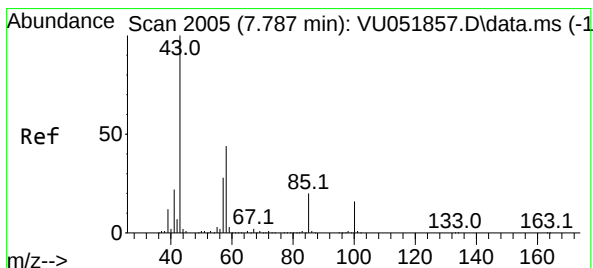
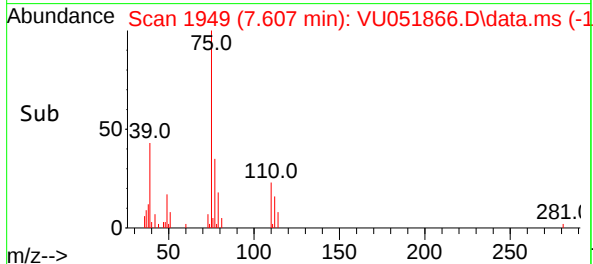
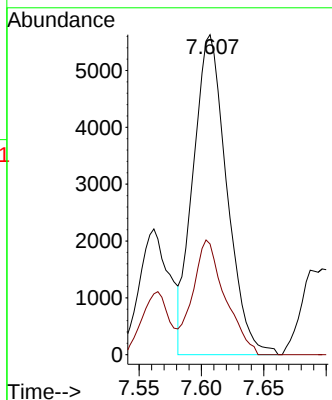
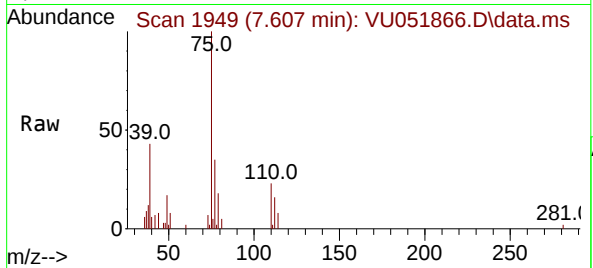
77 34.6 22.5 41.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#40

4-Methyl-2-pentanone

Concen: 3.957 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

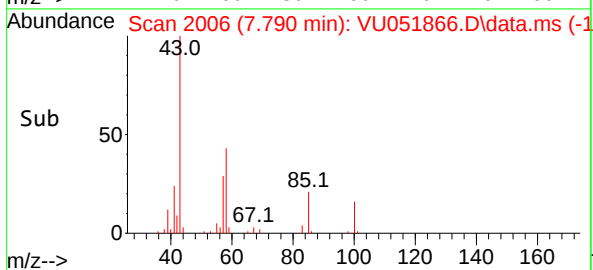
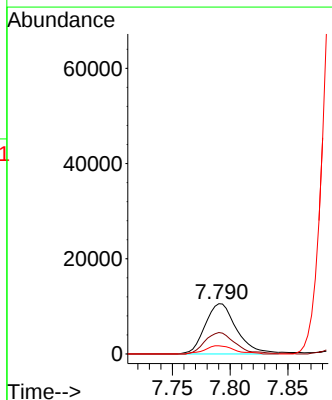
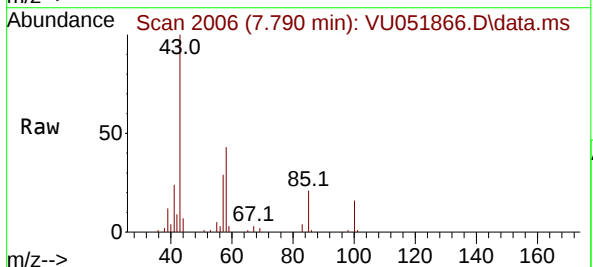
Tgt Ion: 43 Resp: 20046

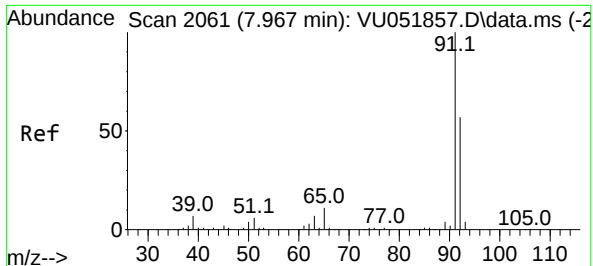
Ion Ratio Lower Upper

43 100

58 39.6 35.4 53.2

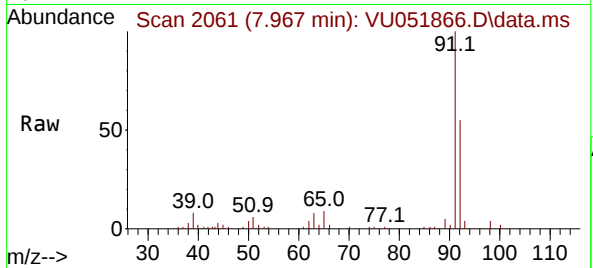
100 15.3 13.4 20.0





#42  
Toluene  
Concen: 2.288 ug/L  
RT: 7.967 min Scan# 2061  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

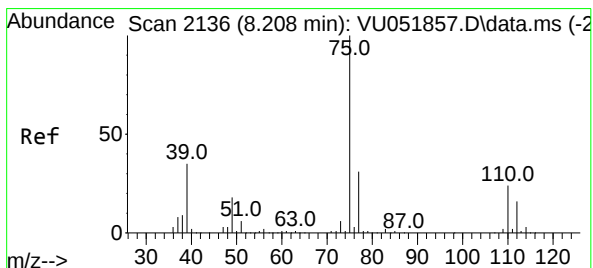
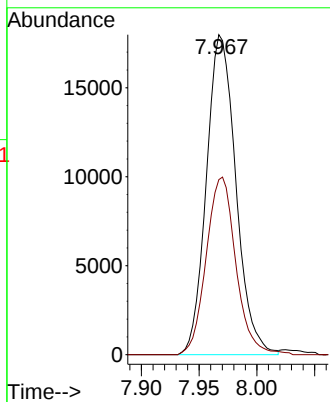
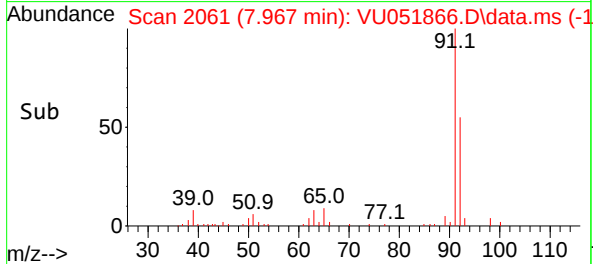
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01



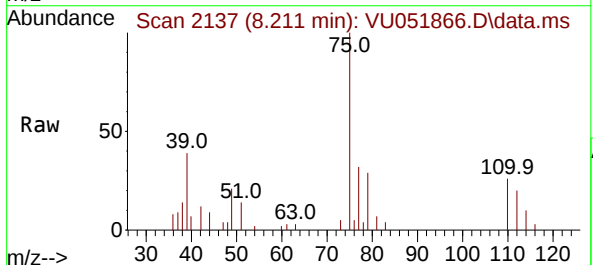
Tgt Ion: 91 Resp: 31974  
Ion Ratio Lower Upper  
91 100  
92 54.7 39.5 73.4

Manual Integrations  
APPROVED

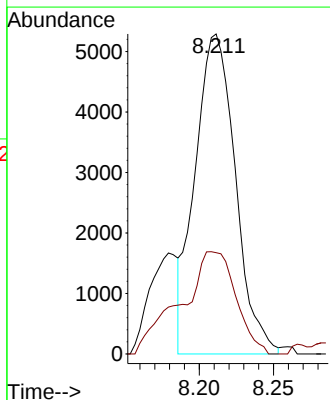
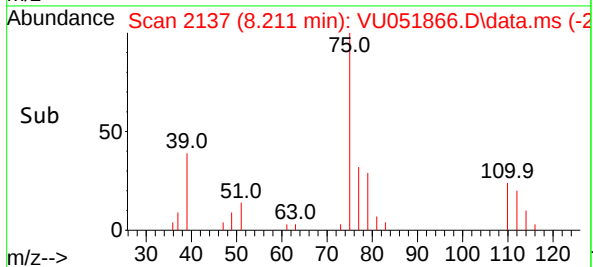
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022

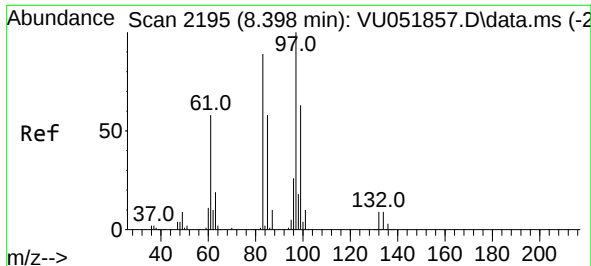


#44  
trans-1,3-Dichloropropene  
Concen: 2.072 ug/L  
RT: 8.211 min Scan# 2137  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58



Tgt Ion: 75 Resp: 9991  
Ion Ratio Lower Upper  
75 100  
77 31.6 21.8 40.6





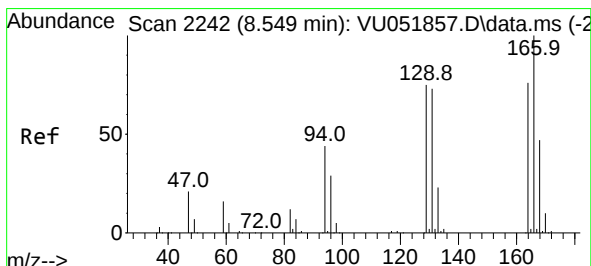
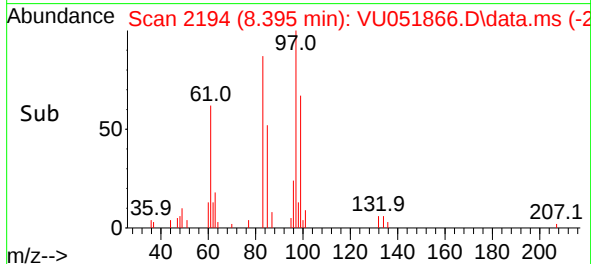
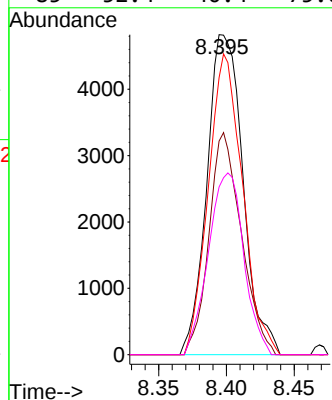
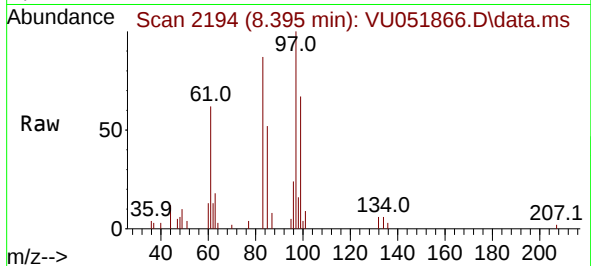
#45  
1,1,2-Trichloroethane  
Concen: 2.283 ug/L  
RT: 8.395 min Scan# 2194  
Delta R.T. -0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument : MSVOA\_U  
ClientSampleId : MDL01

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 8920  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 66.7     | 44.3 82.3   |
| 83 86.6     | 62.3 115.7  |
| 85 52.4     | 40.4 75.0   |

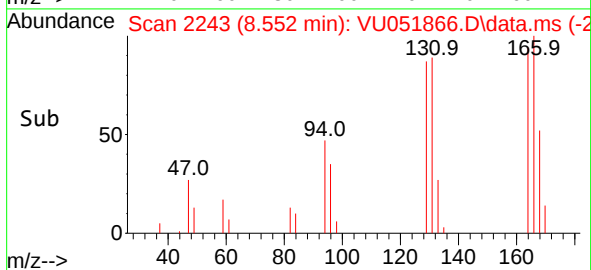
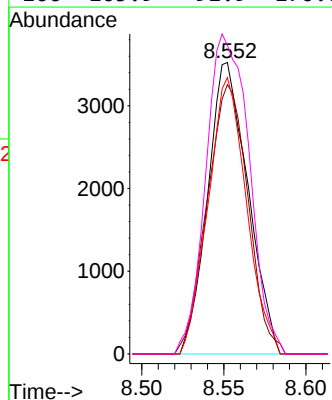
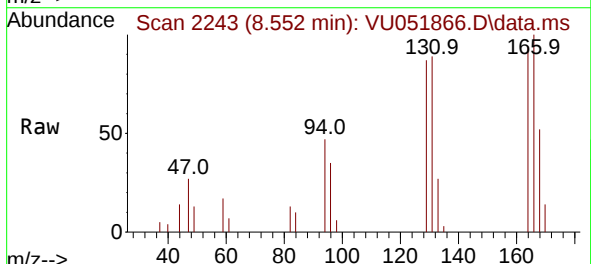
Manual Integrations  
APPROVED

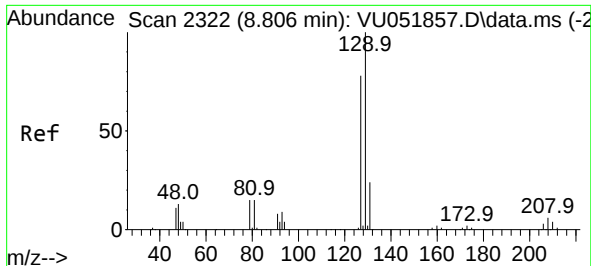
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#46  
Tetrachloroethene  
Concen: 2.328 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 5984  |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 92.4    | 68.5  | 127.1 |
| 131 | 94.8    | 66.6  | 123.8 |
| 166 | 105.9   | 91.9  | 170.7 |





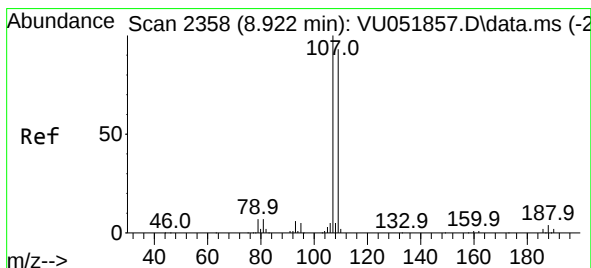
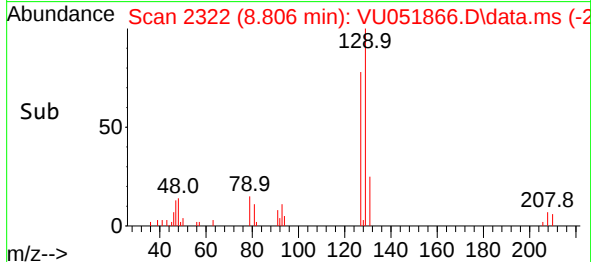
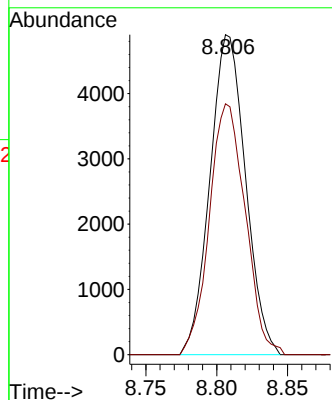
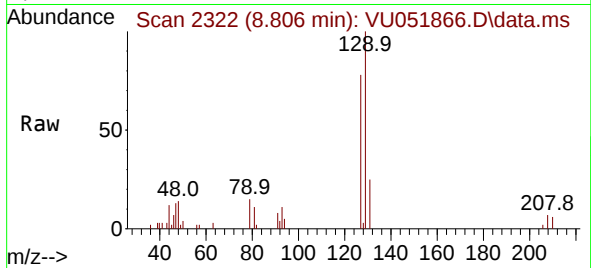
#49  
Dibromochloromethane  
Concen: 2.129 ug/L  
RT: 8.806 min Scan# 2322  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Tgt Ion:129 Resp: 858  
Ion Ratio Lower Upper  
129 100  
127 78.4 54.4 101.0

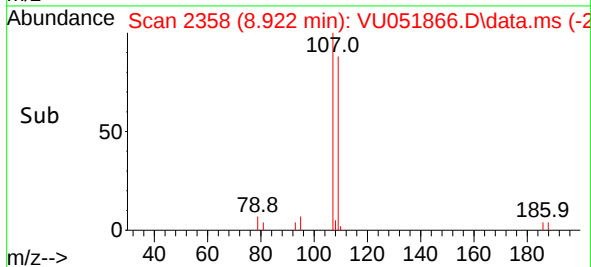
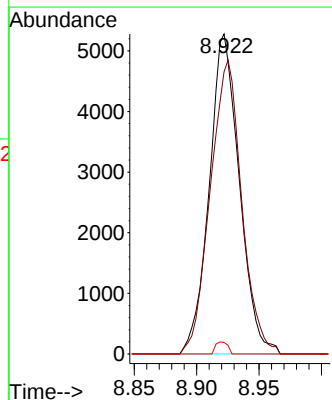
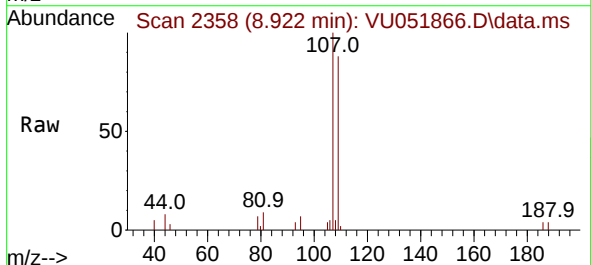
Manual Integrations  
APPROVED

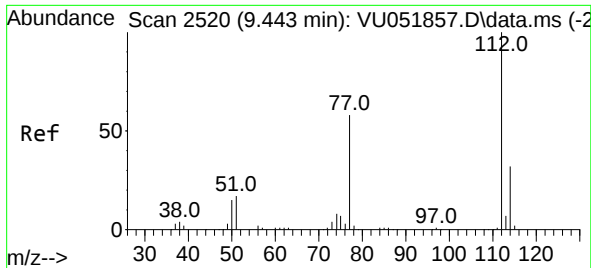
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#50  
1,2-Dibromoethane  
Concen: 2.253 ug/L  
RT: 8.922 min Scan# 2358  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

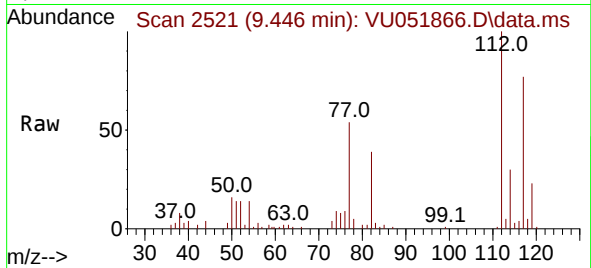
Tgt Ion:107 Resp: 8867  
Ion Ratio Lower Upper  
107 100  
109 88.2 65.0 120.6  
188 3.6 2.9 4.3





#51  
Chlorobenzene  
Concen: 2.163 ug/L  
RT: 9.446 min Scan# 2520  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

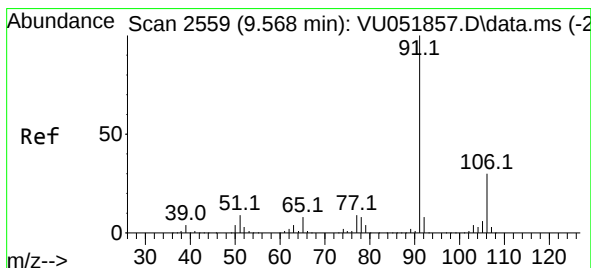
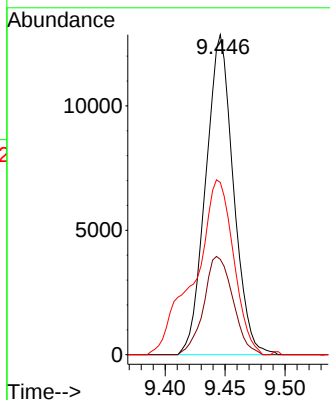
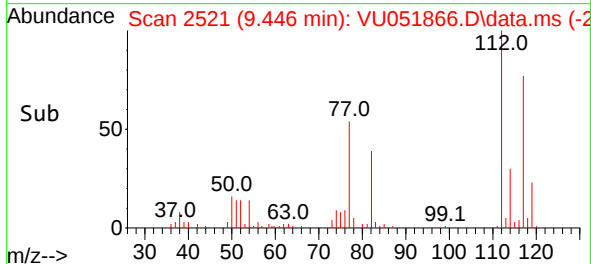
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01



Tgt Ion:112 Resp: 20659  
Ion Ratio Lower Upper  
112 100  
114 29.8 22.2 41.2  
77 53.9 46.7 70.1

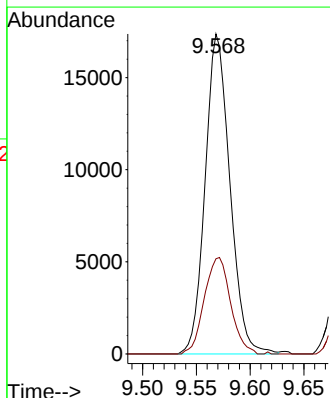
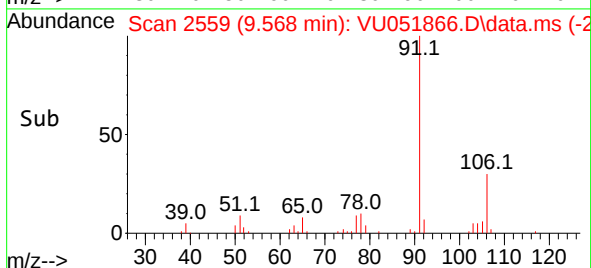
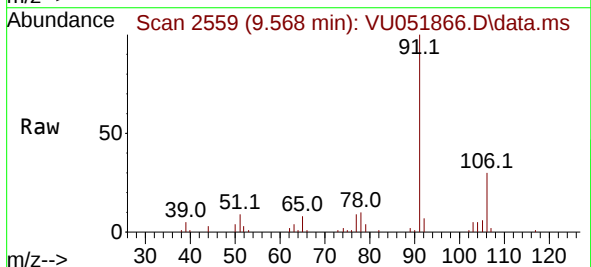
Manual Integrations  
APPROVED

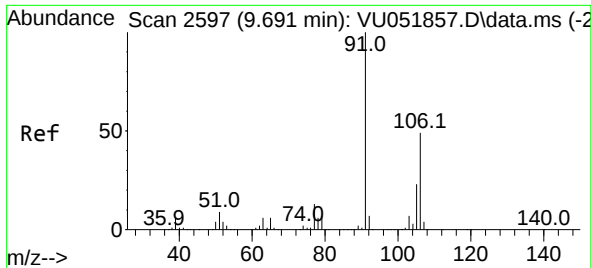
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#52  
Ethylbenzene  
Concen: 1.948 ug/L  
RT: 9.568 min Scan# 2559  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Tgt Ion: 91 Resp: 27862  
Ion Ratio Lower Upper  
91 100  
106 29.8 21.3 39.6





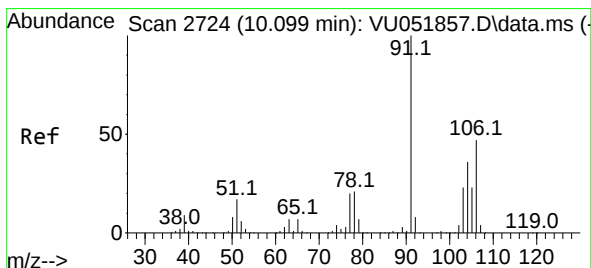
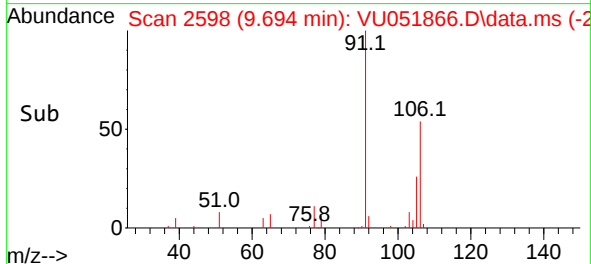
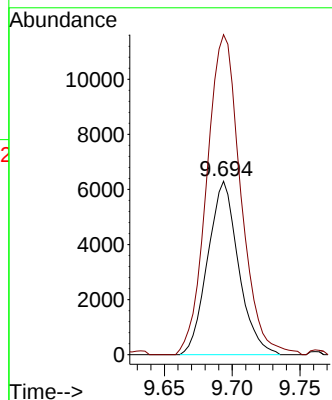
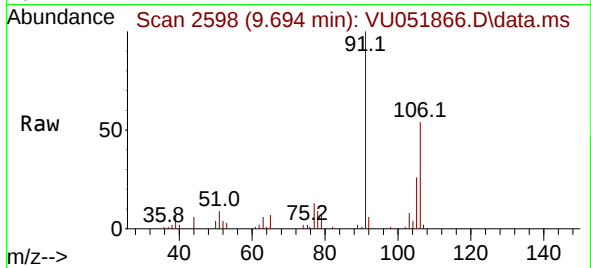
#53  
m,p-Xylene  
Concen: 1.798 ug/L  
RT: 9.694 min Scan# 2597  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Tgt Ion:106 Resp: 9950  
Ion Ratio Lower Upper  
106 100  
91 184.6 141.7 263.3

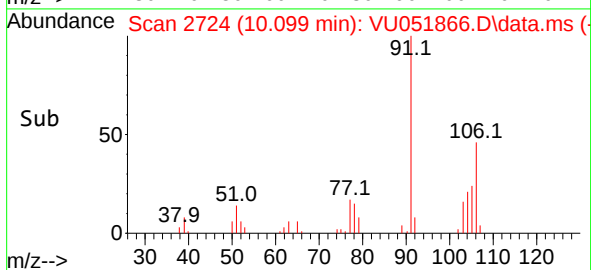
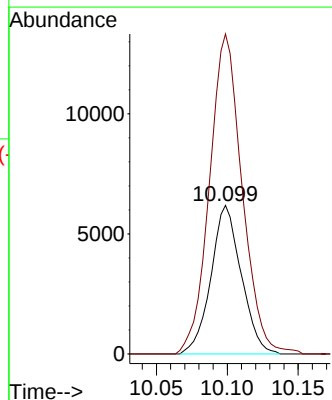
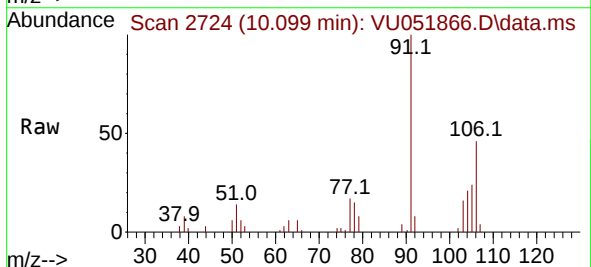
Manual Integrations  
APPROVED

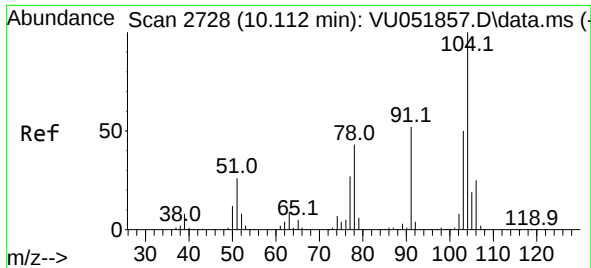
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#54  
o-Xylene  
Concen: 1.635 ug/L  
RT: 10.099 min Scan# 2724  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Tgt Ion:106 Resp: 9213  
Ion Ratio Lower Upper  
106 100  
91 215.3 149.7 278.1





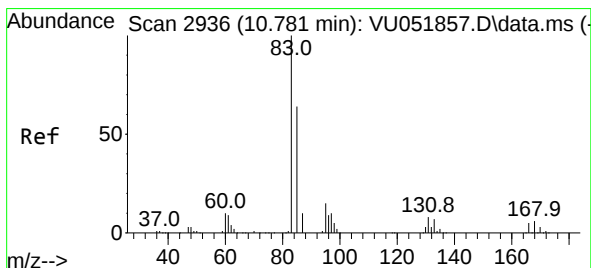
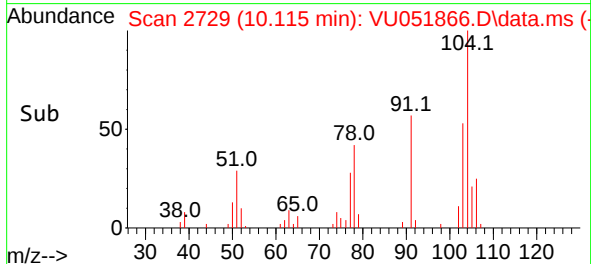
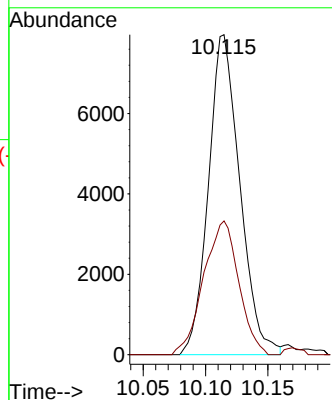
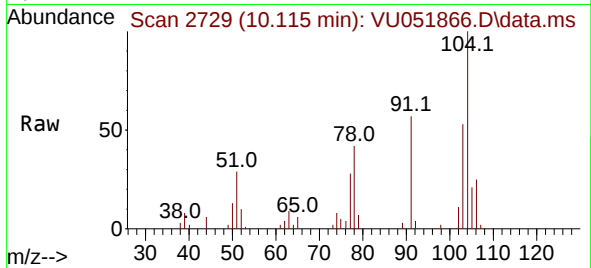
#55  
Styrene  
Concen: 1.437 ug/L  
RT: 10.115 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Tgt Ion:104 Resp: 1396  
Ion Ratio Lower Upper  
104 100  
78 41.8 30.3 56.3

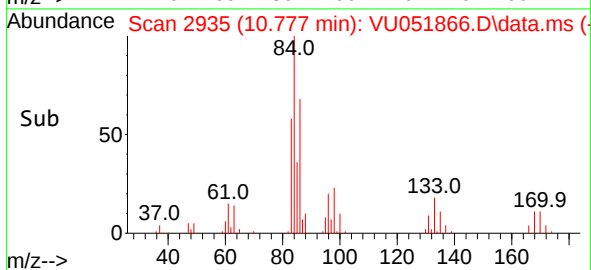
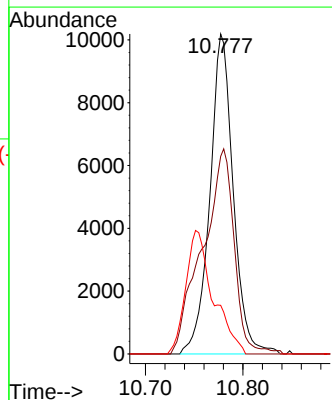
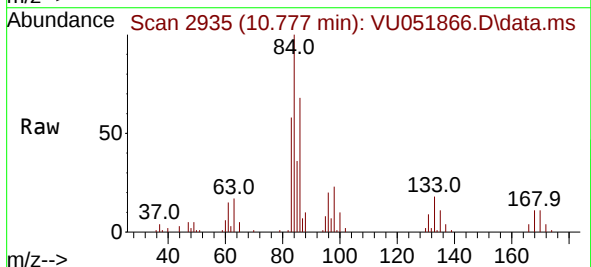
Manual Integrations  
APPROVED

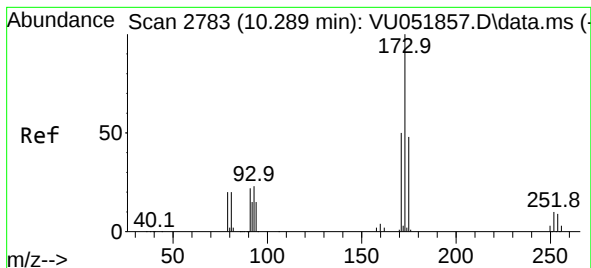
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.300 ug/L  
RT: 10.777 min Scan# 2935  
Delta R.T. -0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Tgt Ion: 83 Resp: 16993  
Ion Ratio Lower Upper  
83 100  
85 61.8 44.9 83.3  
131 15.2 6.8 10.2#





#59

Bromoform

Concen: 2.640 ug/L

RT: 10.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

Instrument :

MSVOA\_U

ClientSampleId :

MDL01

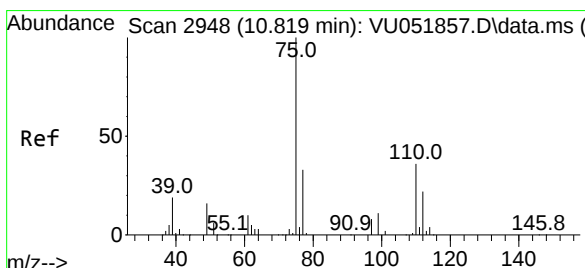
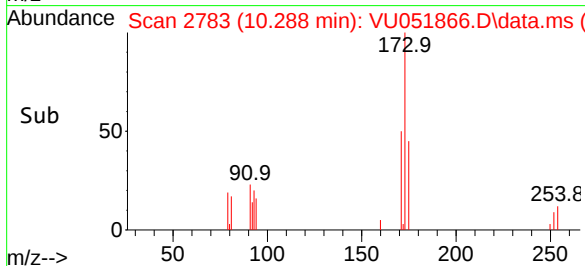
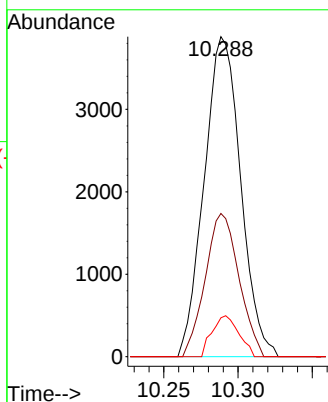
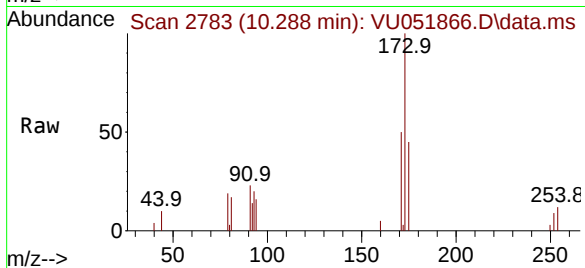
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 662  |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 41.3  | 38.9  | 58.3 |
| 254       | 9.4   | 7.4   | 11.2 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#60

1,2,3-Trichloropropane

Concen: 2.778 ug/L

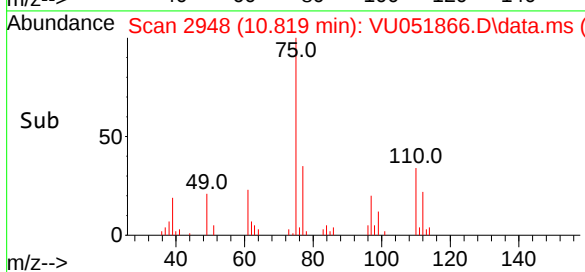
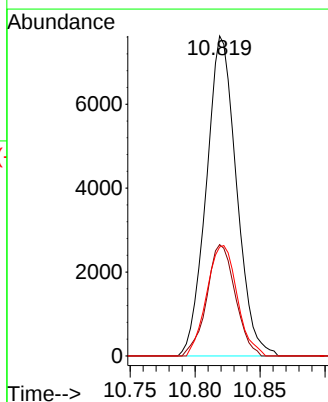
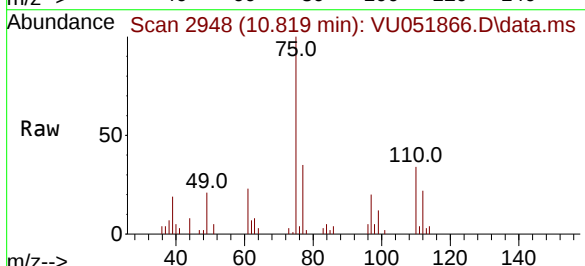
RT: 10.819 min Scan# 2948

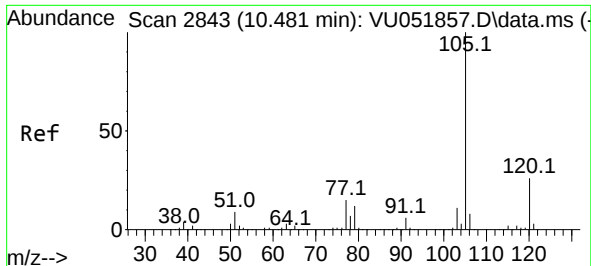
Delta R.T. -0.000 min

Lab File: VU051866.D

Acq: 15 Nov 2022 17:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 12298 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 32.9  | 26.2  | 39.4  |
| 110       | 34.8  | 29.0  | 43.4  |





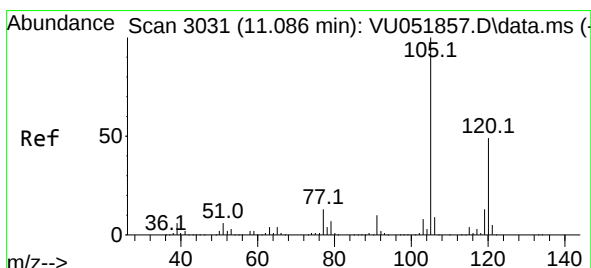
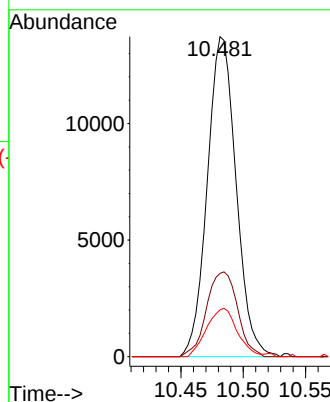
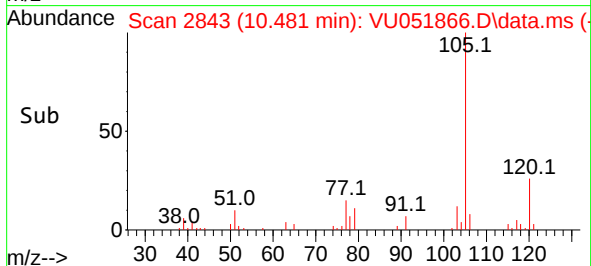
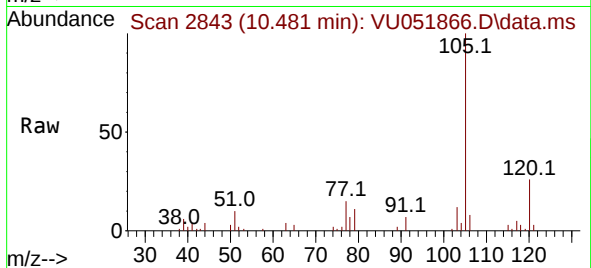
#61  
Isopropylbenzene  
Concen: 2.039 ug/L  
RT: 10.481 min Scan# 2843  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument : MSVOA\_U  
ClientSampleId : MDL01

Tgt Ion:105 Resp: 22052  
Ion Ratio Lower Upper  
105 100  
120 28.5 21.1 31.7  
77 16.0 12.2 18.4

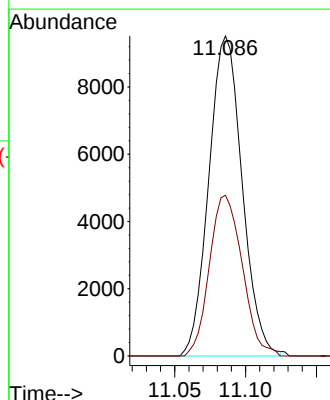
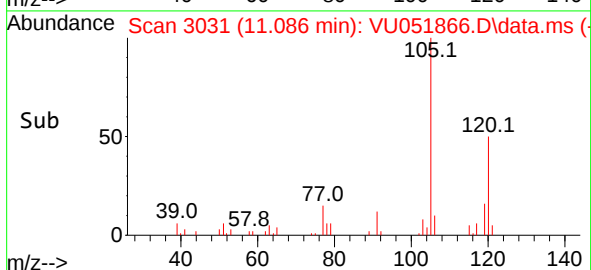
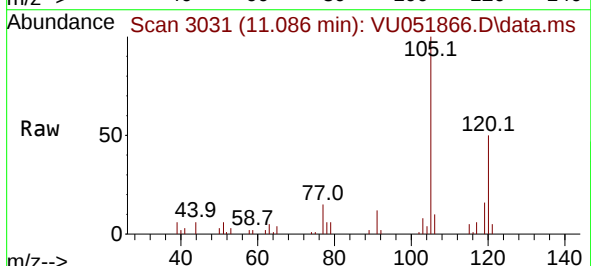
Manual Integrations  
APPROVED

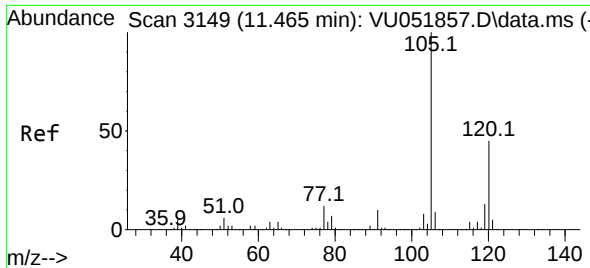
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#62  
1,3,5-Trimethylbenzene  
Concen: 1.765 ug/L  
RT: 11.086 min Scan# 3031  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Tgt Ion:105 Resp: 15554  
Ion Ratio Lower Upper  
105 100  
120 49.5 39.1 58.7





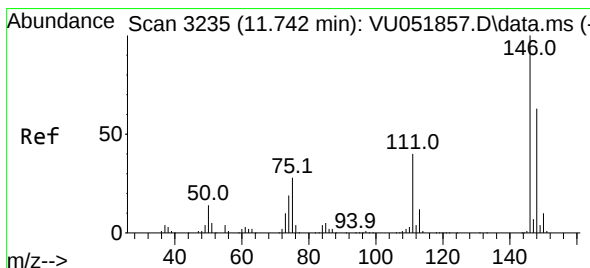
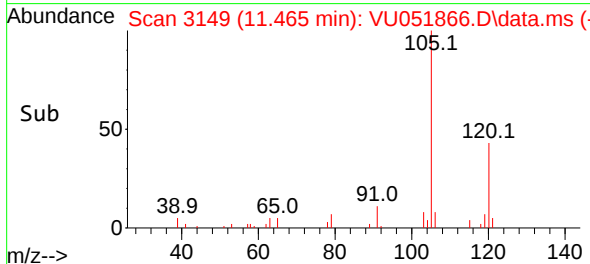
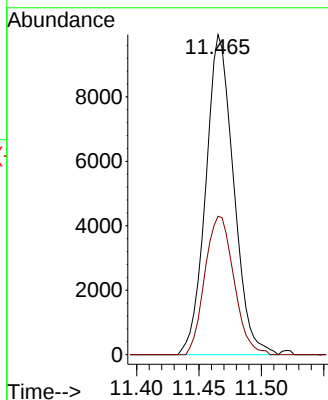
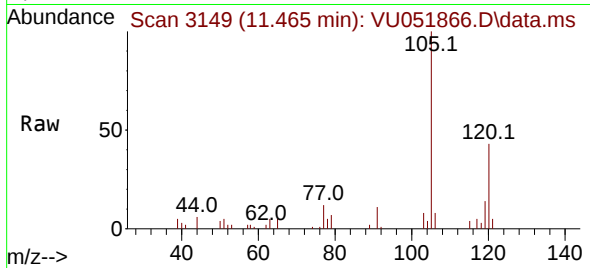
#63  
1,2,4-Trimethylbenzene  
Concen: 1.795 ug/L  
RT: 11.465 min Scan# 3149  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument : MSVOA\_U  
ClientSampleId : MDL01

Tgt Ion:105 Resp: 15454  
Ion Ratio Lower Upper  
105 100  
120 44.9 36.2 54.2

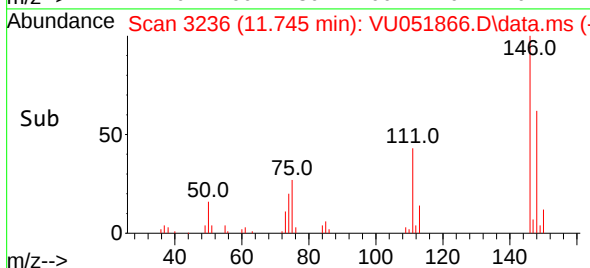
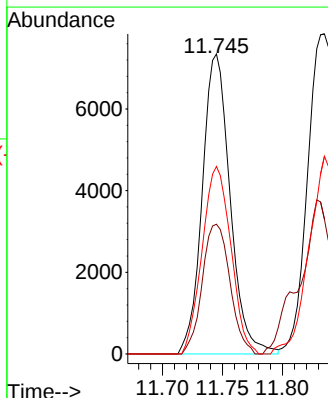
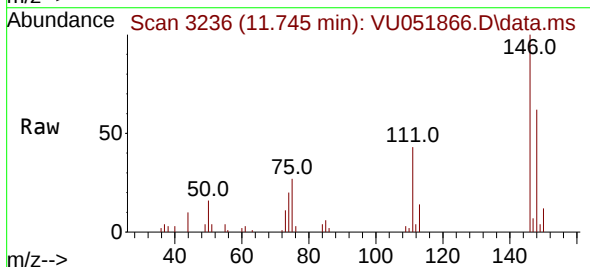
Manual Integrations  
APPROVED

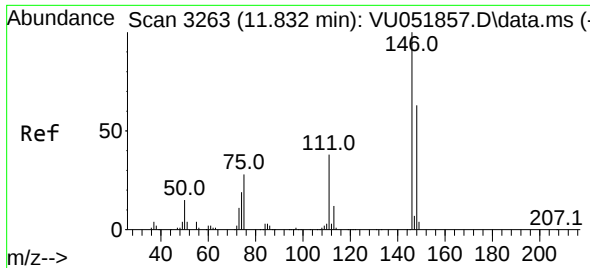
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#64  
1,3-Dichlorobenzene  
Concen: 2.166 ug/L  
RT: 11.745 min Scan# 3236  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Tgt Ion:146 Resp: 11876  
Ion Ratio Lower Upper  
146 100  
111 43.3 28.1 52.1  
148 62.5 44.4 82.4





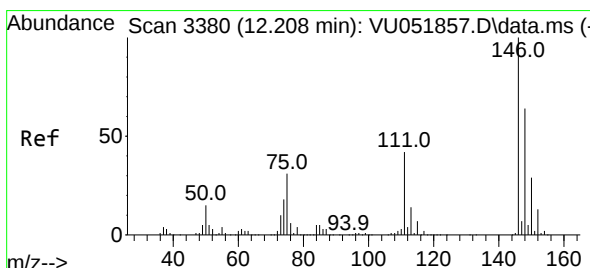
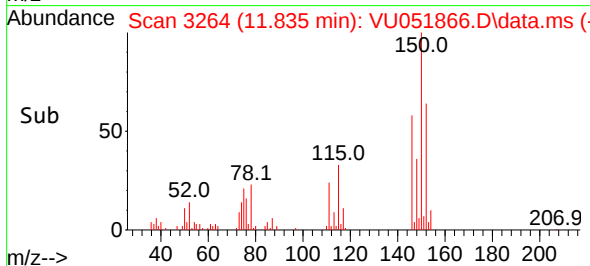
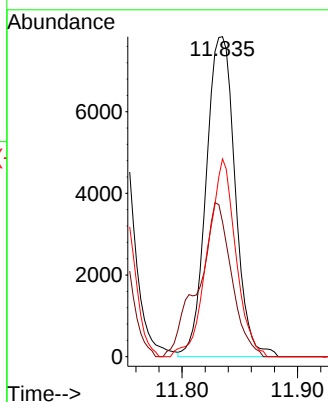
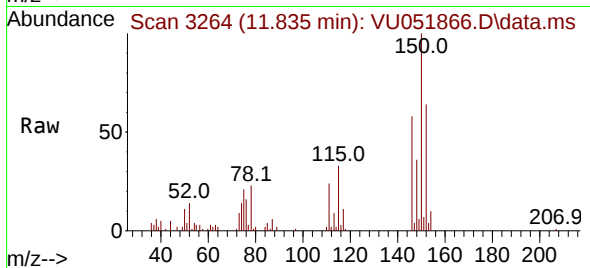
#65  
1,4-Dichlorobenzene  
Concen: 2.455 ug/L  
RT: 11.835 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Tgt Ion:146 Resp: 13630  
Ion Ratio Lower Upper  
146 100  
111 42.1 26.7 49.5  
148 61.8 44.4 82.4

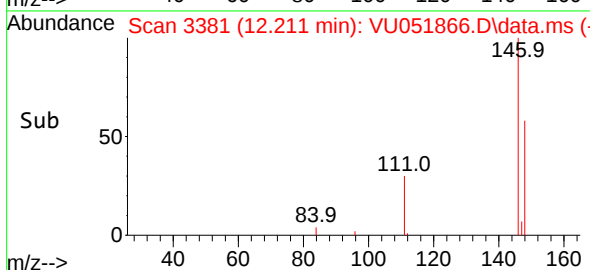
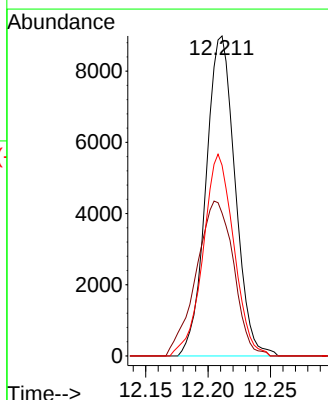
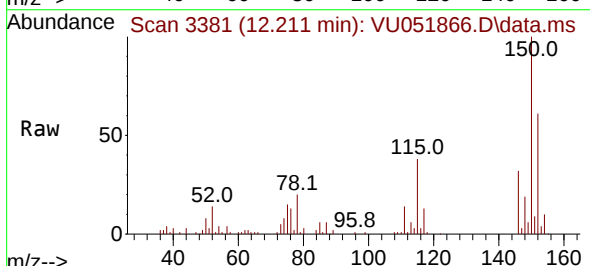
Manual Integrations  
APPROVED

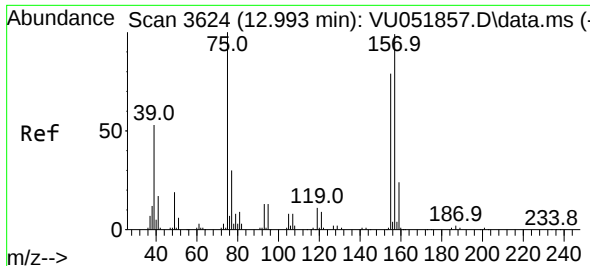
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022



#67  
1,2-Dichlorobenzene  
Concen: 2.511 ug/L  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

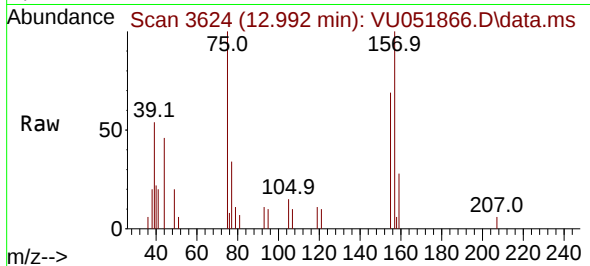
Tgt Ion:146 Resp: 14635  
Ion Ratio Lower Upper  
146 100  
111 44.6 33.6 50.4  
148 59.6 50.9 76.3





#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.455 ug/L  
RT: 12.992 min Scan# 3624  
Delta R.T. -0.000 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

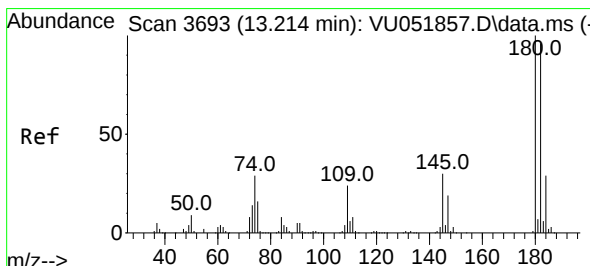
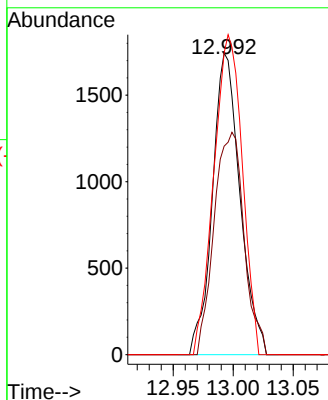
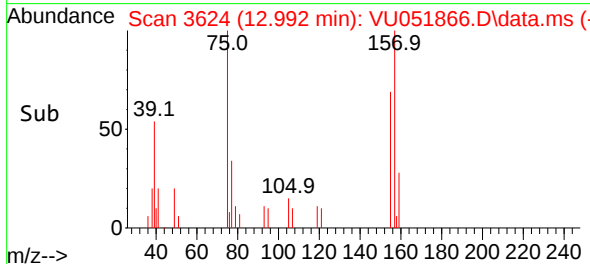
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01



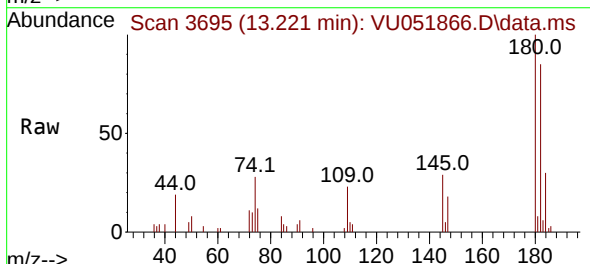
Tgt Ion: 75 Resp: 278  
Ion Ratio Lower Upper  
75 100  
155 69.1 63.0 94.6  
157 100.0 79.4 119.0

Manual Integrations  
APPROVED

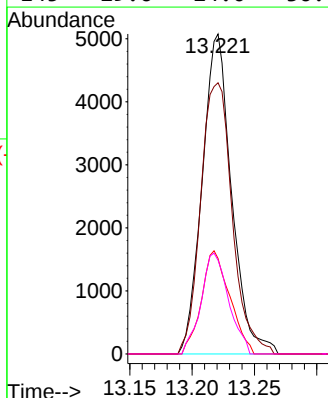
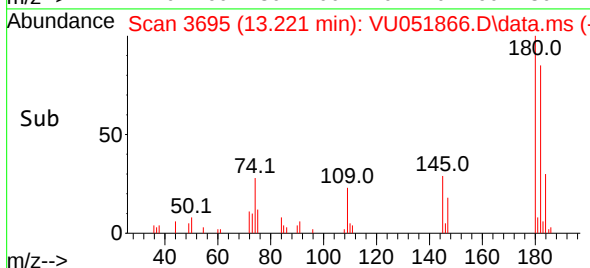
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022

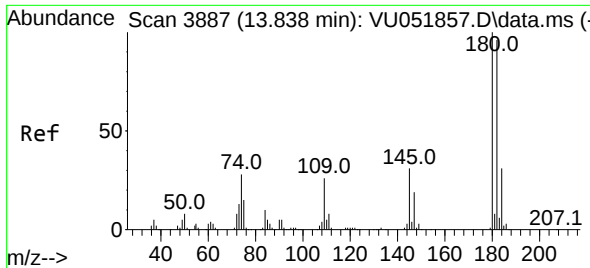


#69  
1,3,5-Trichlorobenzene  
Concen: 2.288 ug/L  
RT: 13.221 min Scan# 3695  
Delta R.T. 0.006 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58



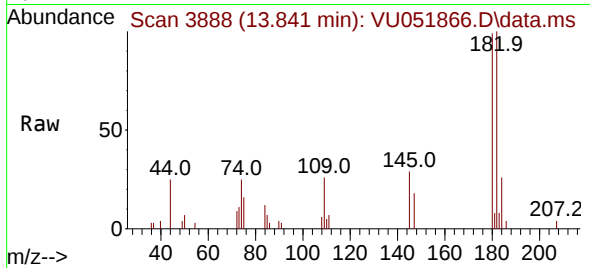
Tgt Ion:180 Resp: 8320  
Ion Ratio Lower Upper  
180 100  
182 91.1 77.0 115.4  
184 31.2 23.8 35.8  
145 29.6 24.0 36.0





#70  
1,2,4-trichlorobenzene  
Concen: 2.084 ug/L  
RT: 13.841 min Scan# 3888  
Delta R.T. 0.003 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58

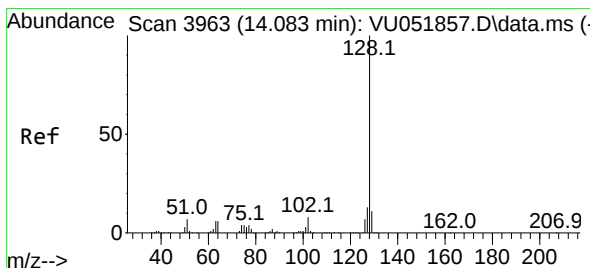
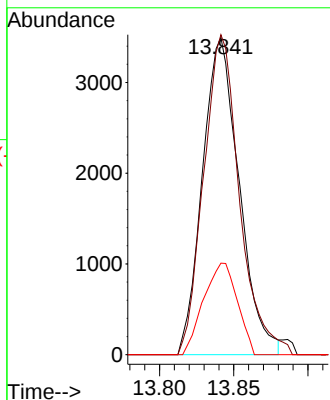
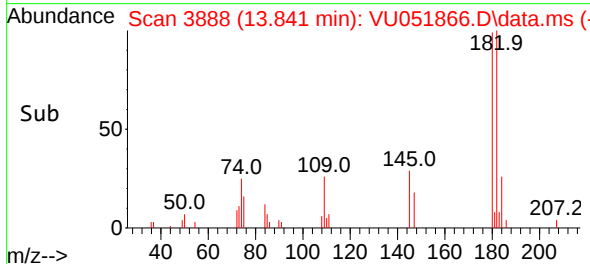
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01



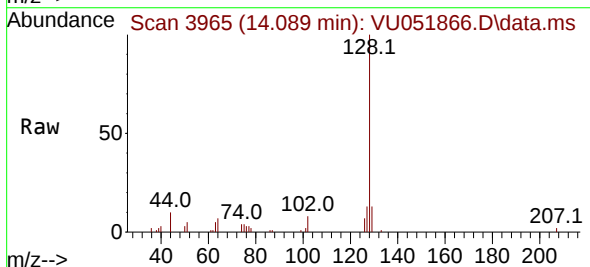
Tgt Ion:180 Resp: 6008  
Ion Ratio Lower Upper  
180 100  
182 98.4 76.4 114.6  
145 26.5 24.2 36.2

Manual Integrations  
APPROVED

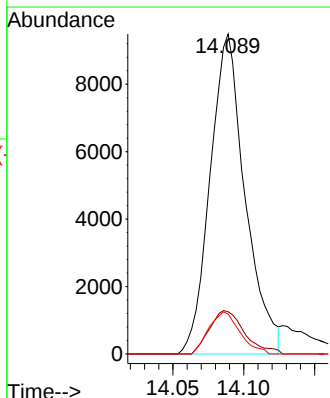
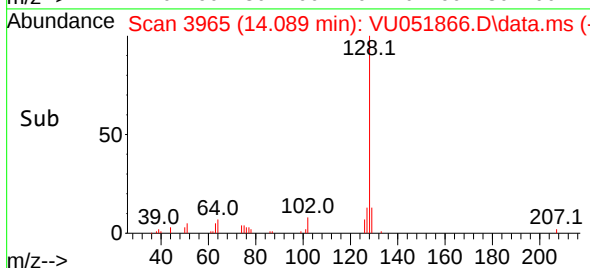
Reviewed By :John Carlone 11/16/2022  
Supervised By :Mahesh Dadoda 11/16/2022

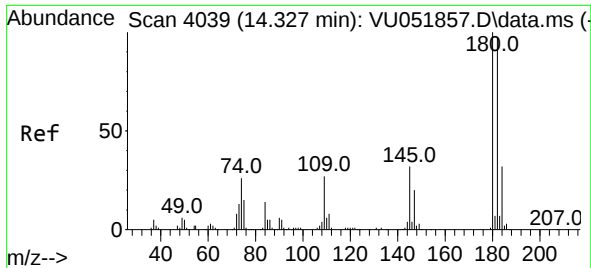


#71  
Naphthalene  
Concen: 1.722 ug/L  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.006 min  
Lab File: VU051866.D  
Acq: 15 Nov 2022 17:58



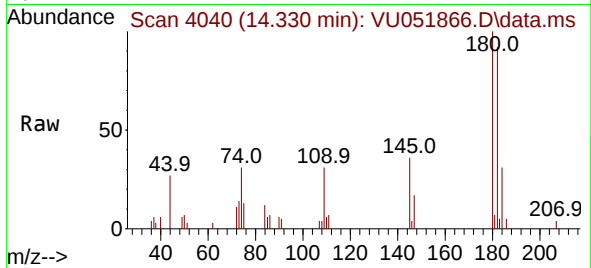
Tgt Ion:128 Resp: 16329  
Ion Ratio Lower Upper  
128 100  
127 13.6 10.4 15.6  
129 11.7 8.5 12.7





#72  
 1,2,3-Trichlorobenzene  
 Concen: 1.958 ug/L  
 RT: 14.330 min Scan# 4039  
 Delta R.T. 0.003 min  
 Lab File: VU051866.D  
 Acq: 15 Nov 2022 17:58

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL01



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.7  | 76.9  | 115.3 |
| 145     | 31.5  | 24.9  | 37.3  |

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 11/16/2022  
 Supervised By :Mahesh Dadoda 11/16/2022

