

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU022723\  
 Data File : VU053147.D  
 Acq On : 27 Feb 2023 10:38  
 Operator : JC/MD  
 Sample : VSTDIC001  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 02/28/2023  
 Supervised By :Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 01:53:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U022723DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Feb 28 01:52:21 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.109  | 96   | 28742    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.630 | 95   | 11489    | 0.947 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 95.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.189 | 152  | 9366     | 0.974 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 97.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.386  | 85   | 6130     | 0.840 | ug/l    | 97       |
| 3) Chloromethane             | 1.521  | 50   | 7064     | 0.940 | ug/l    | 99       |
| 4) Vinyl Chloride            | 1.604  | 62   | 7336     | 0.917 | ug/l    | 97       |
| 5) Bromomethane              | 1.858  | 94   | 3791     | 0.832 | ug/l    | 88       |
| 6) Chloroethane              | 1.936  | 64   | 4260     | 0.876 | ug/l    | # 83     |
| 7) Trichlorofluoromethane    | 2.141  | 101  | 10228    | 0.888 | ug/l    | 92       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.582  | 101  | 6080     | 0.844 | ug/l    | 95       |
| 9) 1,1-Dichloroethene        | 2.579  | 96   | 5572     | 0.891 | ug/l    | 89       |
| 10) Iodomethane              | 2.723  | 142  | 4948     | 0.769 | ug/l    | 97       |
| 11) Allyl Chloride           | 2.923  | 41   | 8625     | 0.883 | ug/l    | 95       |
| 12) Acrylonitrile            | 3.325  | 53   | 3106     | 1.934 | ug/l    | # 91     |
| 13) Acetone                  | 2.640  | 43   | 11749    | 5.130 | ug/l    | 98       |
| 14) Carbon Disulfide         | 2.791  | 76   | 12415    | 0.865 | ug/l    | 100      |
| 15) Methylene Chloride       | 3.042  | 84   | 9197     | 1.028 | ug/l    | 93       |
| 16) trans-1,2-Dichloroethene | 3.354  | 96   | 6140     | 0.893 | ug/l    | 95       |
| 17) 1,1-Dichloroethane       | 3.868  | 63   | 13639    | 0.906 | ug/l    | 97       |
| 18) 2-Butanone               | 4.717  | 43   | 13164    | 4.788 | ug/l    | 94       |
| 19) Cyclohexane              | 5.379  | 56   | 11450m   | 0.954 | ug/l    |          |
| 20) Methylcyclohexane        | 6.755  | 83   | 9971     | 0.864 | ug/l    | 97       |
| 21) 2,2-Dichloropropane      | 4.659  | 77   | 11873    | 0.901 | ug/l    | 100      |
| 22) cis-1,2-Dichloroethene   | 4.662  | 96   | 7143     | 0.842 | ug/l    | 92       |
| 23) Diethyl Ether            | 2.376  | 59   | 4502     | 0.879 | ug/l    | 93       |
| 24) tert-Butyl Alcohol       | 3.235  | 59   | 5485m    | 9.121 | ug/l    |          |
| 25) Methyl tert-Butyl Ether  | 3.363  | 73   | 16094    | 0.885 | ug/l    | 96       |
| 26) Bromochloromethane       | 4.977  | 128  | 2856     | 0.870 | ug/l    | 96       |
| 27) Chloroform               | 5.087  | 83   | 14081    | 0.908 | ug/l    | 91       |
| 28) 1,1,1-Trichloroethane    | 5.312  | 97   | 11893    | 0.913 | ug/l    | 96       |
| 29) 1,1-Dichloropropene      | 5.521  | 75   | 8923     | 0.914 | ug/l    | 97       |
| 30) Carbon Tetrachloride     | 5.517  | 117  | 8055     | 0.898 | ug/l    | 92       |
| 31) Isopropyl Ether          | 3.990  | 45   | 21057    | 0.877 | ug/l    | 99       |
| 32) Ethyl-t-butyl ether      | 4.508  | 59   | 19727    | 0.867 | ug/l    | 99       |
| 33) Tert-Amyl methyl ether   | 5.945  | 73   | 16248    | 0.900 | ug/l    | 98       |
| 34) Propionitrile            | 4.794  | 54   | 2888     | 4.515 | ug/l    | # 93     |
| 35) Benzene                  | 5.771  | 78   | 26606    | 0.924 | ug/l    | 98       |
| 36) 1,2-Dichloroethane       | 5.794  | 62   | 8046     | 0.935 | ug/l    | 100      |
| 37) Trichloroethene          | 6.537  | 130  | 5809     | 0.879 | ug/l    | 96       |
| 38) 1,2-Dichloropropane      | 6.791  | 63   | 7425     | 0.891 | ug/l    | 90       |
| 39) Methacrylonitrile        | 4.977  | 41   | 2451     | 0.896 | ug/l    | # 85     |
| 40) Methyl acrylate          | 4.852  | 55   | 4003     | 0.949 | ug/l    | # 93     |
| 41) Tetrahydrofuran          | 5.064  | 42   | 2341     | 1.750 | ug/l    | 96       |
| 42) 1-Chlorobutane           | 5.453  | 56   | 12280    | 0.904 | ug/l    | 98       |
| 43) Dibromomethane           | 6.916  | 93   | 3292     | 0.892 | ug/l    | 99       |
| 44) Bromodichloromethane     | 7.103  | 83   | 8808     | 0.872 | ug/l    | # 96     |

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 Operator : JC/MD  
 Sample : VSTDIC001  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

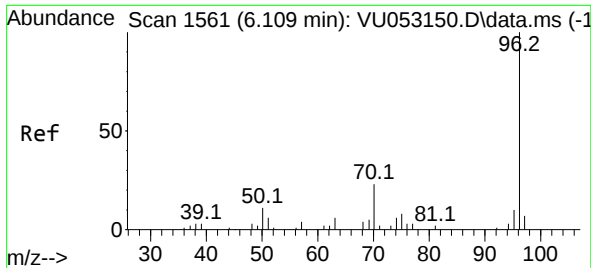
Reviewed By :Krupa Patel 02/28/2023  
 Supervised By :Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 01:53:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U022723DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Feb 28 01:52:21 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.797  | 43   | 20271    | 4.497 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.823 | 75   | 4663m    | 2.053 | ug/l   |          |
| 47) Methyl methacrylate       | 6.964  | 69   | 6544     | 1.722 | ug/l   | 94       |
| 48) Ethyl methacrylate        | 8.334  | 69   | 6787     | 0.870 | ug/l   | 88       |
| 49) Toluene                   | 7.967  | 92   | 16034    | 0.904 | ug/l   | 97       |
| 50) t-1,3-Dichloropropene     | 8.212  | 75   | 8434     | 0.860 | ug/l   | 96       |
| 51) cis-1,3-Dichloropropene   | 7.607  | 75   | 10841    | 0.912 | ug/l   | 99       |
| 52) 1,1,2-Trichloroethane     | 8.398  | 97   | 4588     | 0.846 | ug/l   | 95       |
| 53) 1,3-Dichloropropane       | 8.572  | 76   | 8891     | 0.915 | ug/l   | 100      |
| 54) 2-Hexanone                | 8.688  | 43   | 17927    | 4.668 | ug/l   | 99       |
| 55) Dibromochloromethane      | 8.807  | 129  | 5161     | 0.834 | ug/l   | 96       |
| 56) 1,2-Dibromoethane         | 8.922  | 107  | 4299     | 0.892 | ug/l   | 95       |
| 58) Tetrachloroethene         | 8.549  | 164  | 4801     | 0.911 | ug/l   | 97       |
| 59) Chlorobenzene             | 9.447  | 112  | 17468    | 0.881 | ug/l   | 100      |
| 60) 1,1,1,2-Tetrachloroethane | 9.527  | 131  | 5853     | 0.893 | ug/l   | 97       |
| 61) Pentachloroethane         | 11.424 | 117  | 4652     | 0.817 | ug/l   | 99       |
| 62) Hexachloroethane          | 12.472 | 117  | 5371     | 0.856 | ug/l   | 95       |
| 63) Ethyl Benzene             | 9.569  | 91   | 32250    | 0.881 | ug/l   | 97       |
| 64) m/p-Xylenes               | 9.691  | 106  | 22916    | 1.726 | ug/l   | 98       |
| 65) o-Xylene                  | 10.096 | 106  | 12039    | 0.888 | ug/l   | 96       |
| 66) Styrene                   | 10.112 | 104  | 18247    | 0.849 | ug/l   | 99       |
| 67) Bromoform                 | 10.289 | 173  | 2460     | 0.818 | ug/l # | 97       |
| 69) Isopropylbenzene          | 10.482 | 105  | 31497    | 0.867 | ug/l   | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 6538     | 0.895 | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.819 | 75   | 5998m    | 0.983 | ug/l   |          |
| 72) Bromobenzene              | 10.781 | 156  | 6110     | 0.867 | ug/l   | 96       |
| 73) n-propylbenzene           | 10.903 | 120  | 8357     | 0.867 | ug/l   | 100      |
| 74) 2-Chlorotoluene           | 10.983 | 126  | 6684     | 0.838 | ug/l   | 91       |
| 75) 1,3,5-Trimethylbenzene    | 11.083 | 105  | 26390    | 0.873 | ug/l   | 98       |
| 76) 4-Chlorotoluene           | 11.093 | 126  | 7170     | 0.855 | ug/l   | 98       |
| 77) tert-Butylbenzene         | 11.418 | 119  | 25490    | 0.861 | ug/l   | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.466 | 105  | 26701    | 0.867 | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.639 | 105  | 34505    | 0.840 | ug/l   | 97       |
| 80) Nitrobenzene              | 13.215 | 77   | 1608     | 4.210 | ug/l # | 94       |
| 81) p-Isopropyltoluene        | 11.787 | 119  | 28046    | 0.862 | ug/l   | 98       |
| 82) 1,3-Dichlorobenzene       | 11.742 | 146  | 13376    | 0.865 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.832 | 146  | 13785    | 0.873 | ug/l   | 100      |
| 84) n-Butylbenzene            | 12.205 | 91   | 28382    | 0.842 | ug/l   | 99       |
| 85) 1,2-Dichlorobenzene       | 12.208 | 146  | 12769    | 0.866 | ug/l   | 100      |
| 86) 1,2-Dibromo-3-Chloropr... | 12.993 | 75   | 856      | 0.991 | ug/l # | 72       |
| 87) 1,2,4-Trichlorobenzene    | 13.839 | 180  | 7518     | 0.831 | ug/l   | 97       |
| 88) Hexachlorobutadiene       | 14.015 | 225  | 3968     | 0.898 | ug/l   | 89       |
| 89) Naphthalene               | 14.086 | 128  | 16052    | 0.829 | ug/l   | 100      |
| 90) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 6895     | 0.866 | ug/l   | 96       |

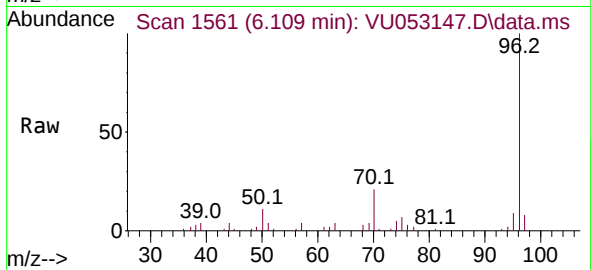
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.109 min Scan# 1561  
Delta R.T. 0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

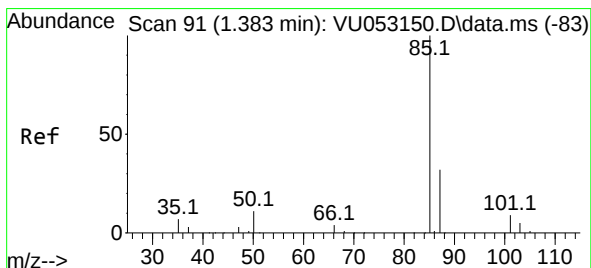
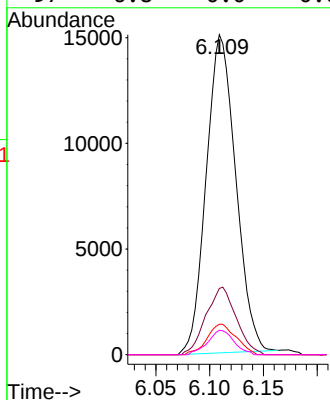
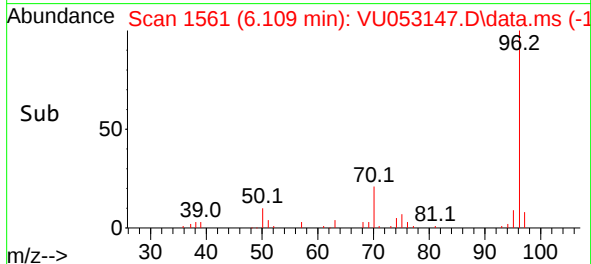
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



Tgt Ion: 96 Resp: 2874  
Ion Ratio Lower Upper  
96 100  
70 21.8 15.5 23.3  
95 9.4 7.0 10.6  
97 6.8 0.0 0.0#

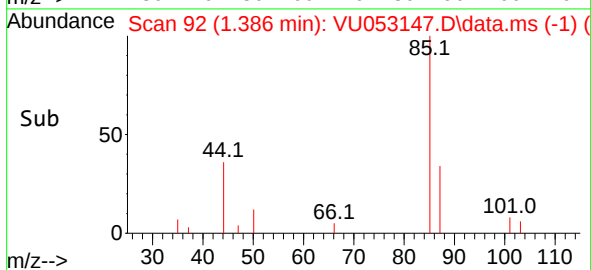
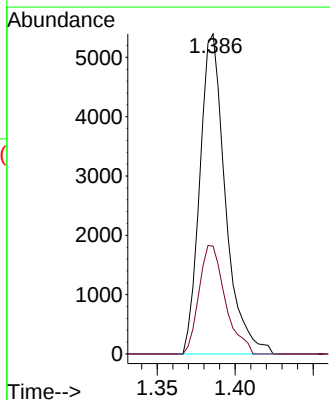
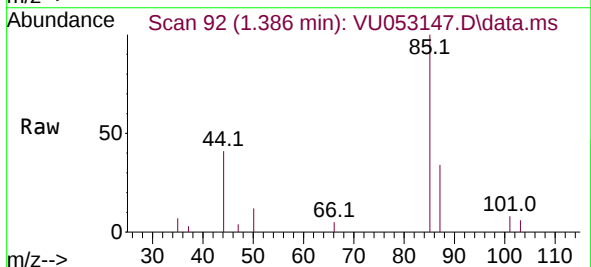
Manual Integrations  
APPROVED

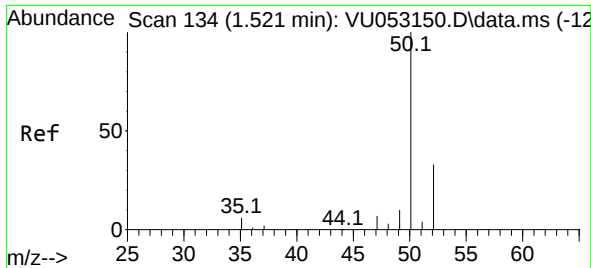
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#2  
Dichlorodifluoromethane  
Concen: 0.840 ug/l  
RT: 1.386 min Scan# 92  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

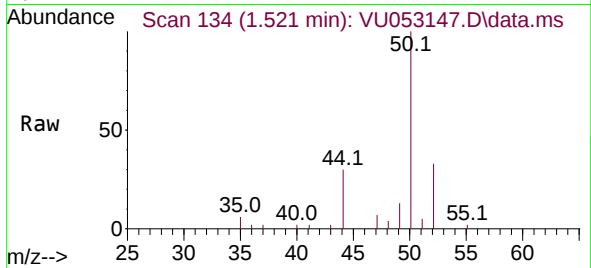
Tgt Ion: 85 Resp: 6130  
Ion Ratio Lower Upper  
85 100  
87 33.7 16.1 48.2





#3  
Chloromethane  
Concen: 0.940 ug/l  
RT: 1.521 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

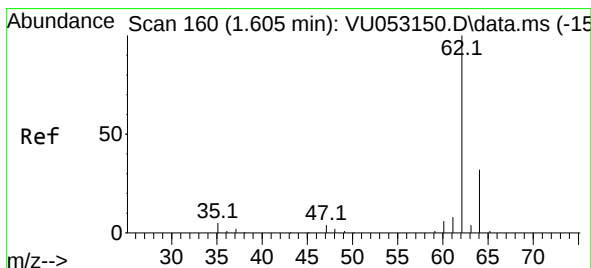
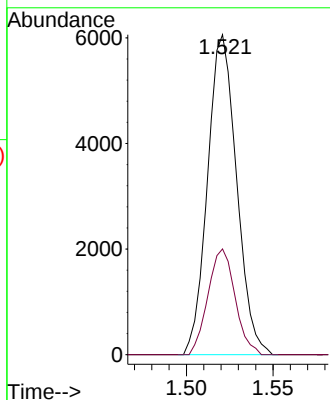
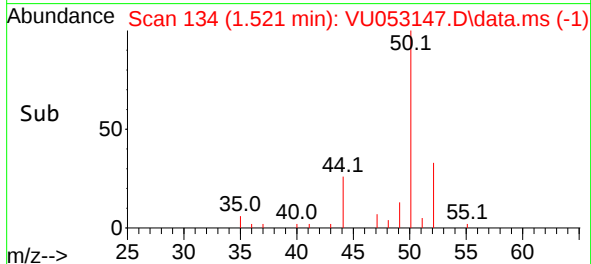
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



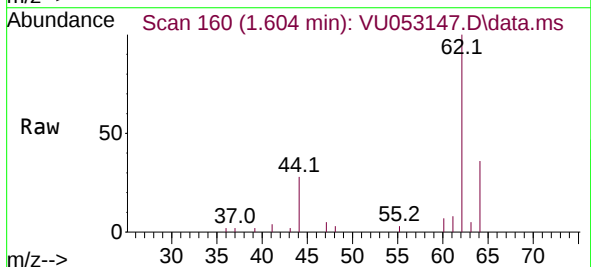
Tgt Ion: 50 Resp: 7064  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.7 40.1

Manual Integrations  
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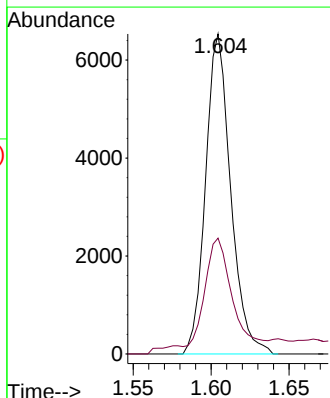
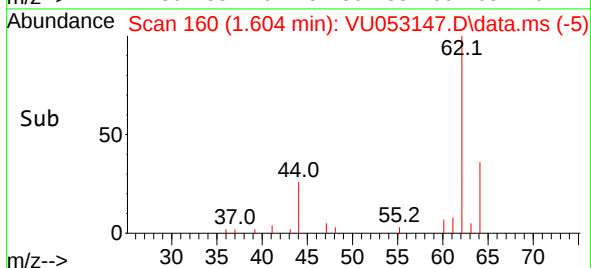
Reviewed By :Krupa Patel 02/28/2023  
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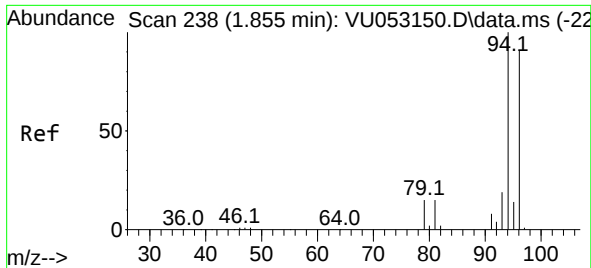


#4  
Vinyl Chloride  
Concen: 0.917 ug/l  
RT: 1.604 min Scan# 160  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38



Tgt Ion: 62 Resp: 7336  
Ion Ratio Lower Upper  
62 100  
64 33.7 25.8 38.6





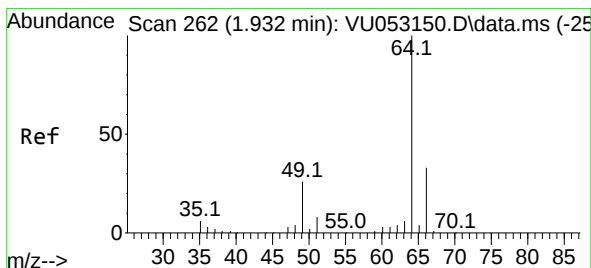
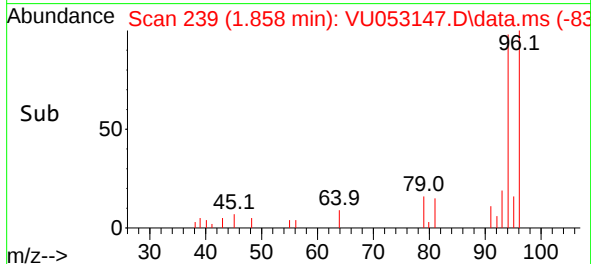
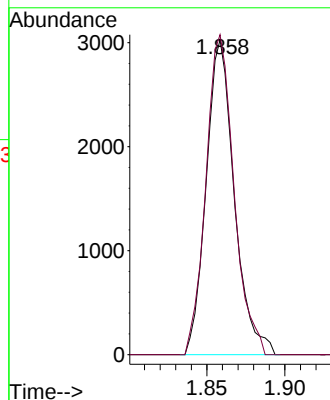
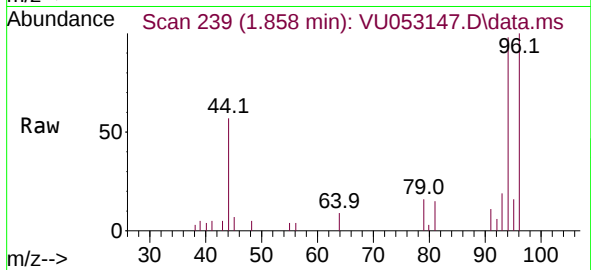
#5  
Bromomethane  
Concen: 0.832 ug/l  
RT: 1.858 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 94 Resp: 379  
Ion Ratio Lower Upper  
94 100  
96 101.6 72.6 108.8

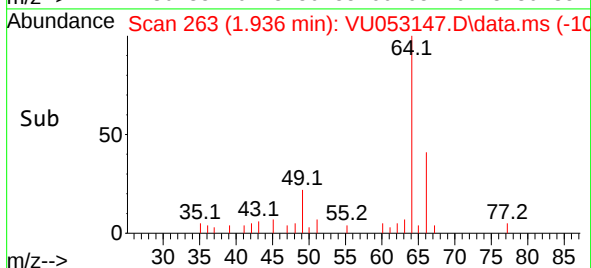
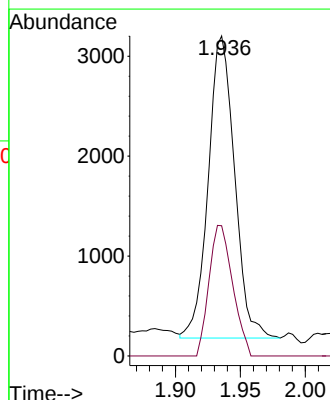
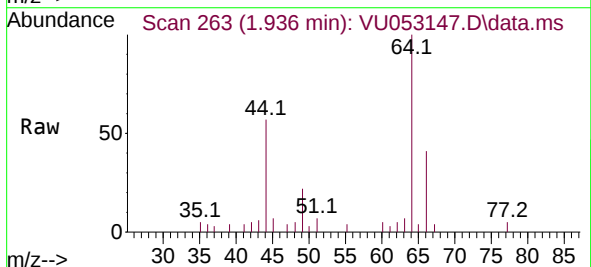
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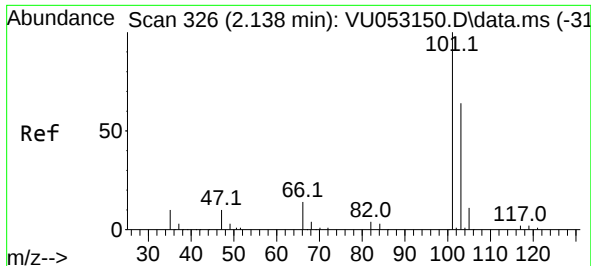
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#6  
Chloroethane  
Concen: 0.876 ug/l  
RT: 1.936 min Scan# 263  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

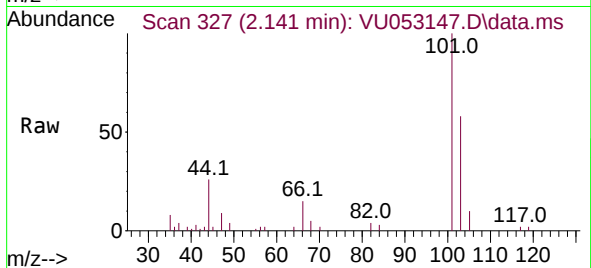
Tgt Ion: 64 Resp: 4260  
Ion Ratio Lower Upper  
64 100  
66 43.1 26.8 40.2#





#7  
Trichlorofluoromethane  
Concen: 0.888 ug/l  
RT: 2.141 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

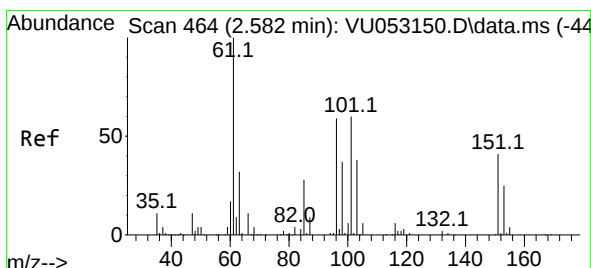
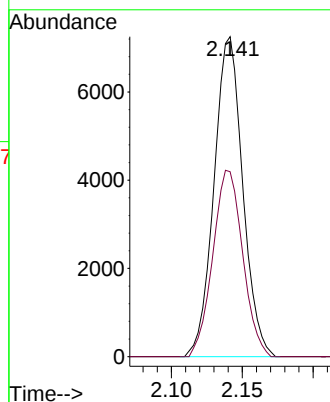
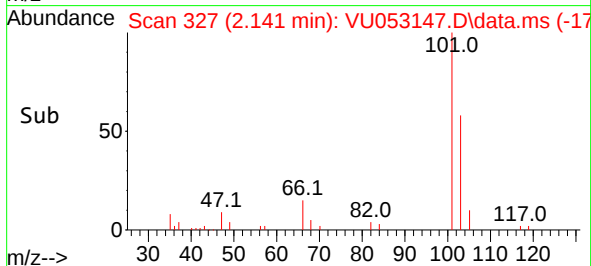
Instrument :  
MSVOA\_U  
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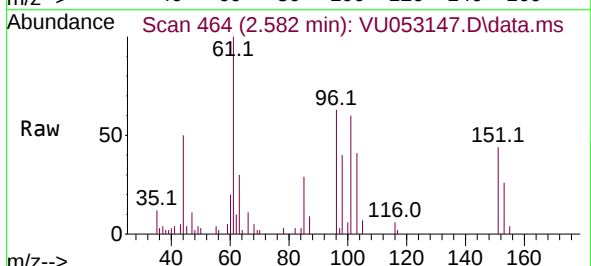
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Ion Ratio Lower Upper  
101 100  
103 57.8 51.2 76.8

Manual Integrations  
APPROVED

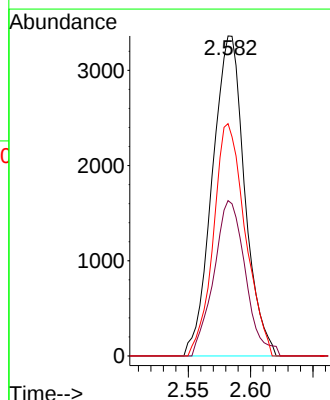
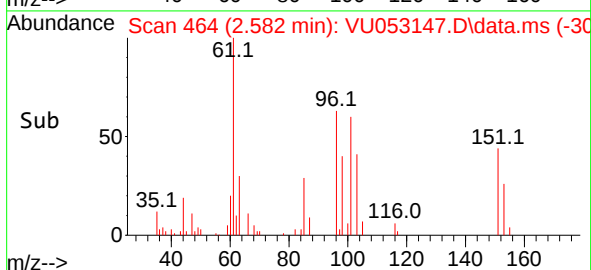
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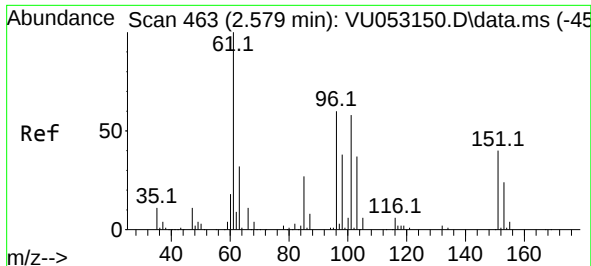


#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.844 ug/l  
RT: 2.582 min Scan# 464  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38



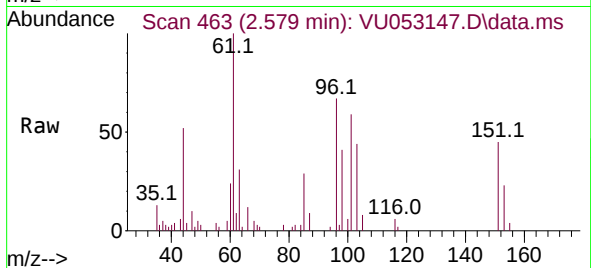
Tgt Ion:101 Resp: 6080  
Ion Ratio Lower Upper  
101 100  
85 47.3 37.3 55.9  
151 71.3 52.4 78.6





#9  
1,1-Dichloroethene  
Concen: 0.891 ug/l  
RT: 2.579 min Scan# 463  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

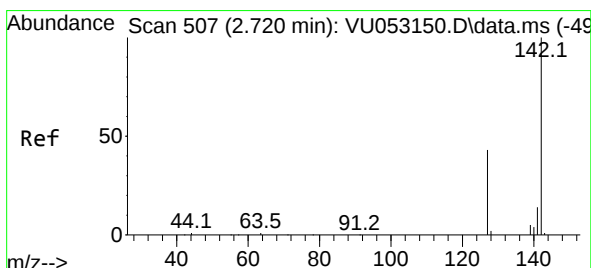
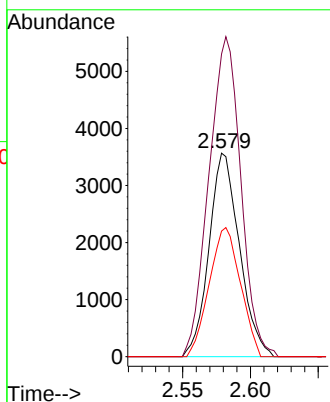
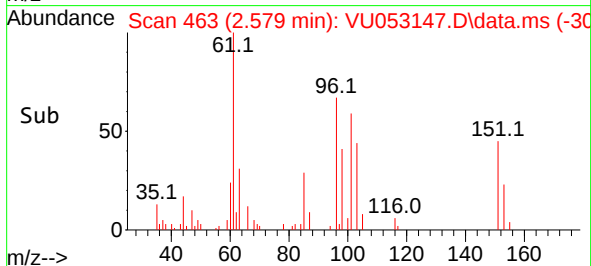
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



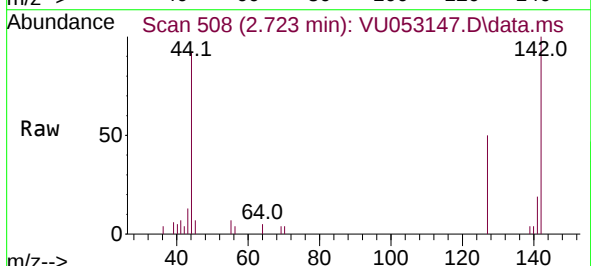
Tgt Ion: 96 Resp: 5572  
Ion Ratio Lower Upper  
96 100  
61 148.7 0.0 502.5  
98 61.7 0.0 126.2

Manual Integrations  
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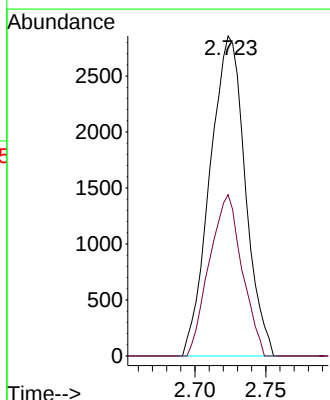
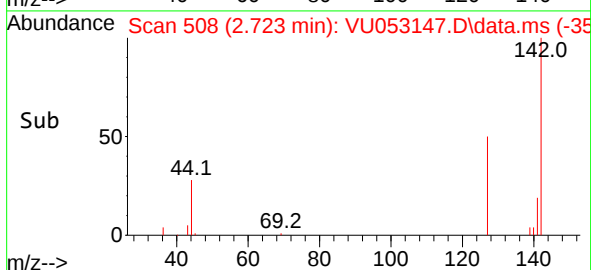
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023

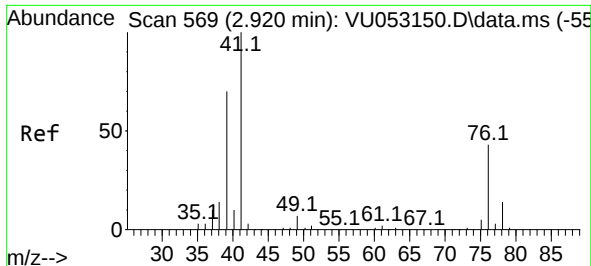


#10  
Iodomethane  
Concen: 0.769 ug/l  
RT: 2.723 min Scan# 508  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38



Tgt Ion:142 Resp: 4948  
Ion Ratio Lower Upper  
142 100  
127 46.7 35.8 53.8





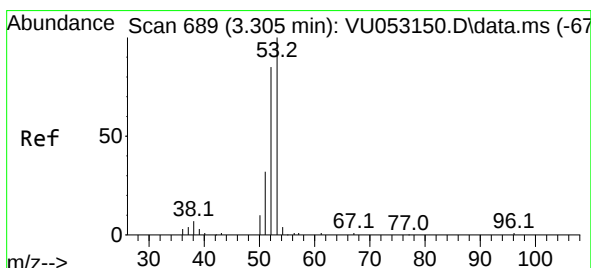
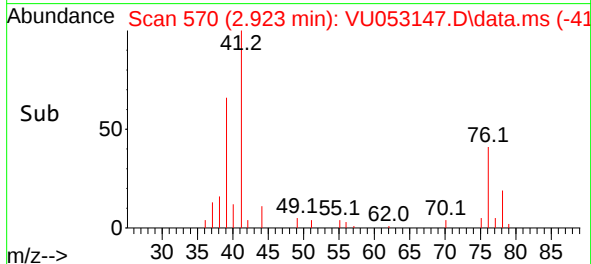
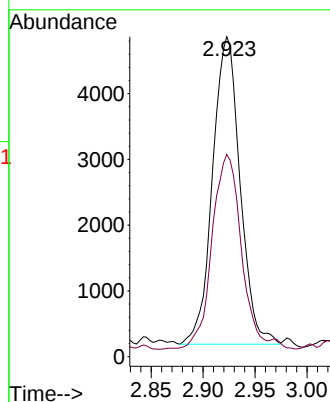
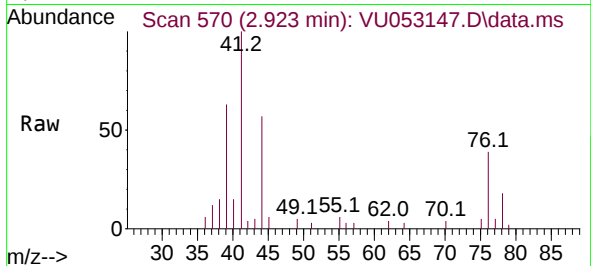
#11  
 Allyl Chloride  
 Concen: 0.883 ug/l  
 RT: 2.923 min Scan# 51  
 Delta R.T. 0.003 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

Instrument :  
 MSVOA\_U  
 Client Sample Id :  
 VSTDIC001

Tgt Ion: 41 Resp: 862  
 Ion Ratio Lower Upper  
 41 100  
 39 65.4 55.3 82.9

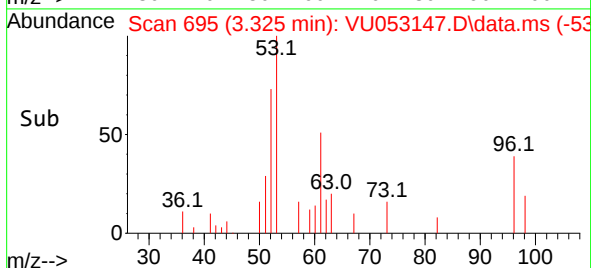
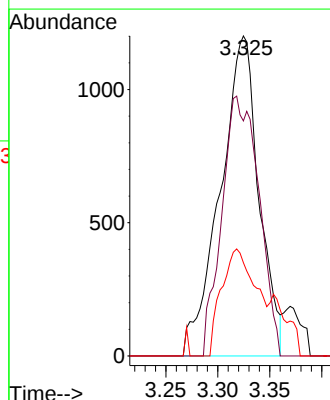
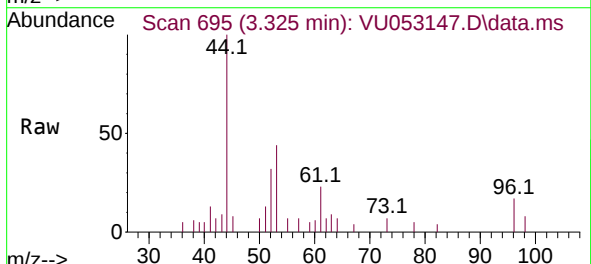
Manual Integrations  
 APPROVED

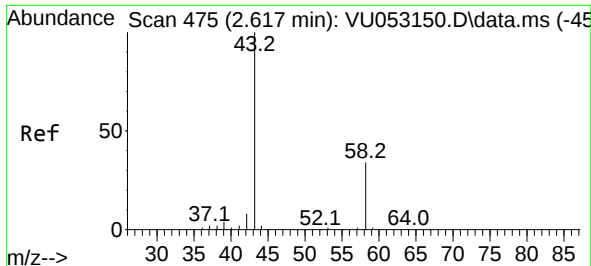
Reviewed By :Krupa Patel 02/28/2023  
 Supervised By :Mahesh Dadoda 02/28/2023



#12  
 Acrylonitrile  
 Concen: 1.934 ug/l  
 RT: 3.325 min Scan# 695  
 Delta R.T. 0.019 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

Tgt Ion: 53 Resp: 3106  
 Ion Ratio Lower Upper  
 53 100  
 52 78.0 65.9 98.9  
 51 29.9 31.8 47.8#





#13

Acetone

Concen: 5.130 ug/l

RT: 2.640 min Scan# 482

Delta R.T. 0.022 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 11749

Ion Ratio Lower Upper

43 100

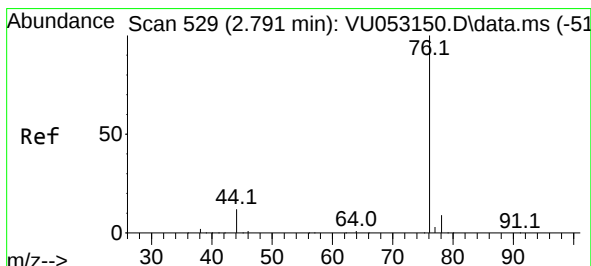
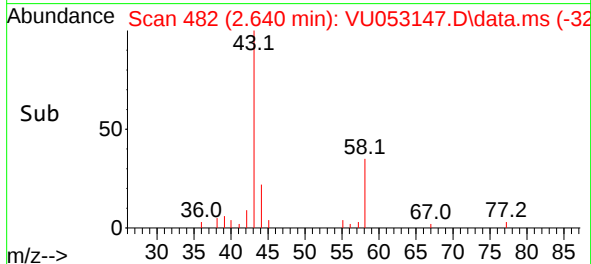
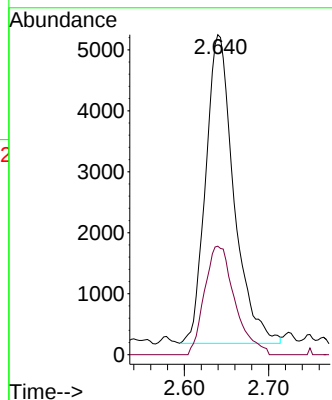
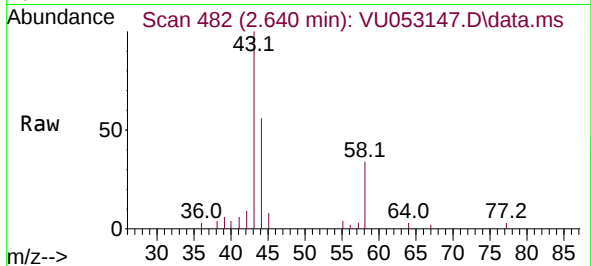
58 35.2 27.2 40.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#14

Carbon Disulfide

Concen: 0.865 ug/l

RT: 2.791 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU053147.D

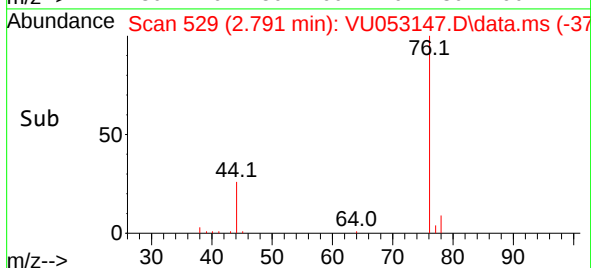
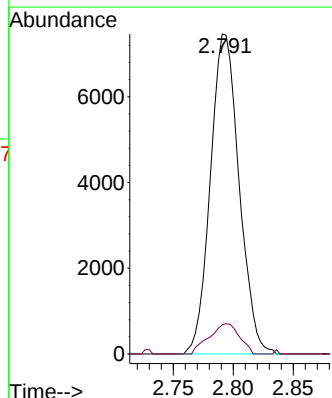
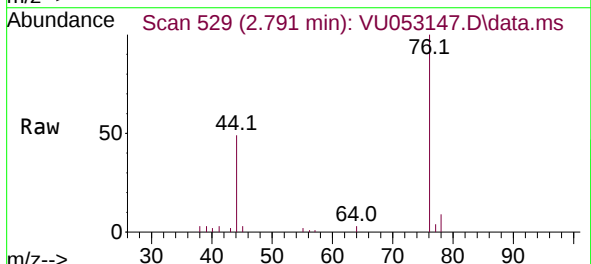
Acq: 27 Feb 2023 10:38

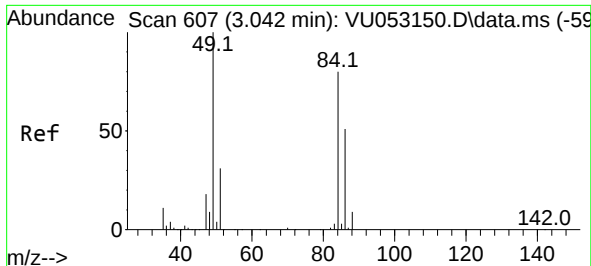
Tgt Ion: 76 Resp: 12415

Ion Ratio Lower Upper

76 100

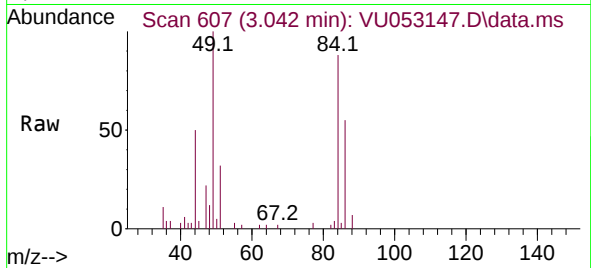
78 9.1 7.2 10.8





#15  
Methylene Chloride  
Concen: 1.028 ug/l  
RT: 3.042 min Scan# 607  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

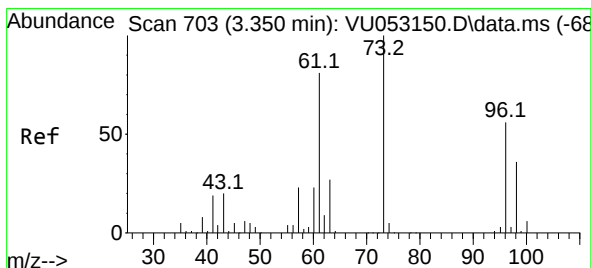
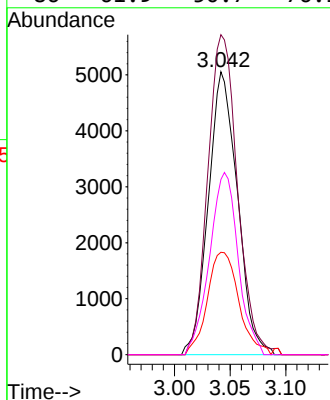
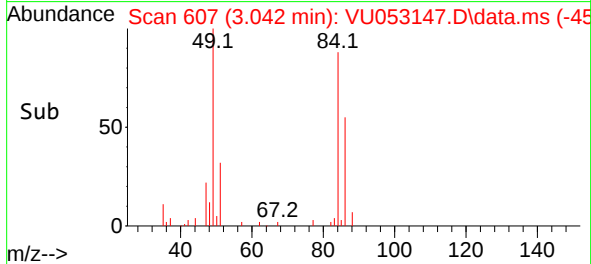
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 919   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.1 | 99.5  | 149.3 |
| 51       | 36.2  | 0.0   | 76.8  |
| 86       | 61.9  | 50.7  | 76.1  |

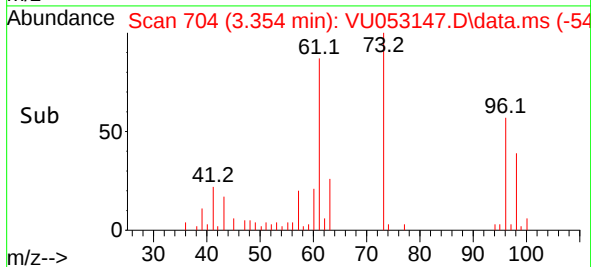
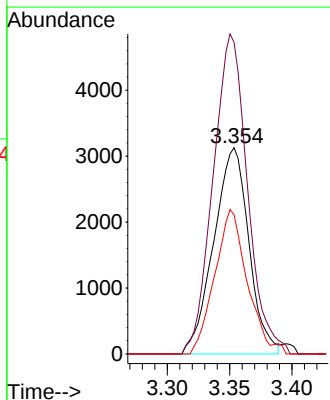
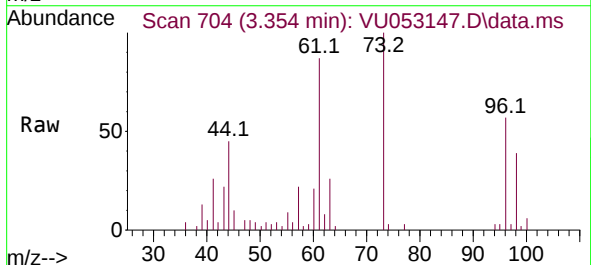
Manual Integrations  
APPROVED

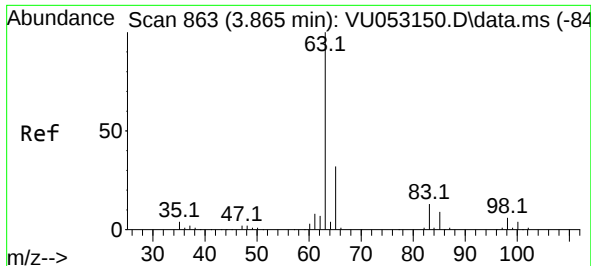
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#16  
trans-1,2-Dichloroethene  
Concen: 0.893 ug/l  
RT: 3.354 min Scan# 704  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

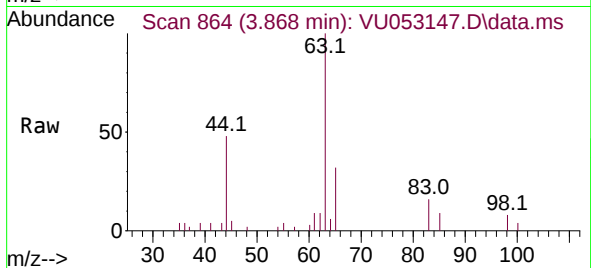
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 6140  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 151.2 | 116.1 | 174.1 |
| 98       | 67.5  | 51.4  | 77.2  |





#17  
1,1-Dichloroethane  
Concen: 0.906 ug/l  
RT: 3.868 min Scan# 864  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

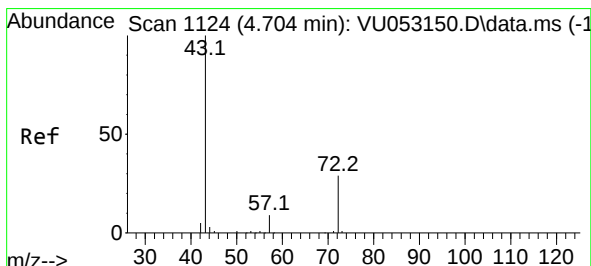
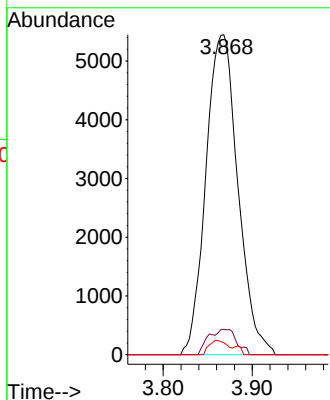
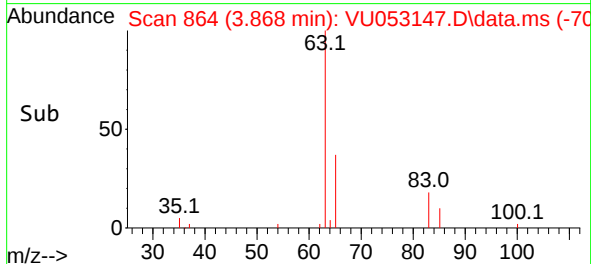
Instrument :  
MSVOA\_U  
Client Sample Id :  
VSTDIC001



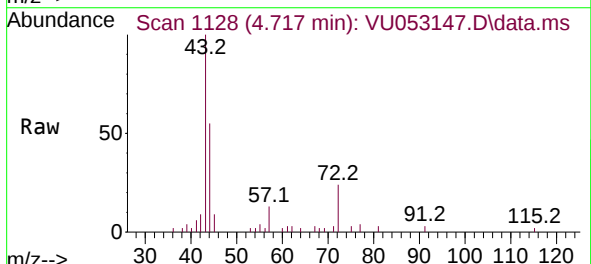
Tgt Ion: 63 Resp: 13639  
Ion Ratio Lower Upper  
63 100  
98 7.9 3.1 9.4  
100 3.8 2.1 6.2

Manual Integrations  
APPROVED

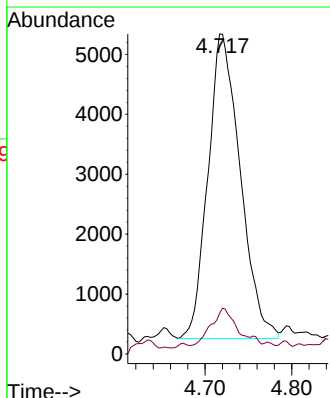
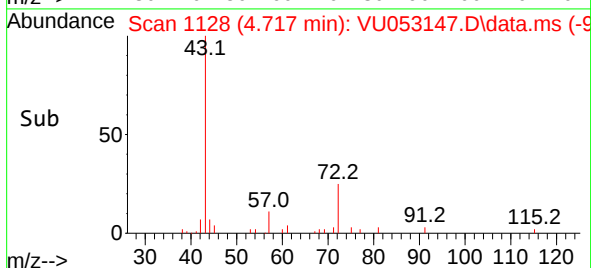
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023

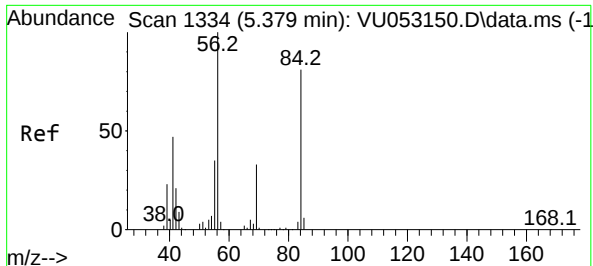


#18  
2-Butanone  
Concen: 4.788 ug/l  
RT: 4.717 min Scan# 1128  
Delta R.T. 0.013 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38



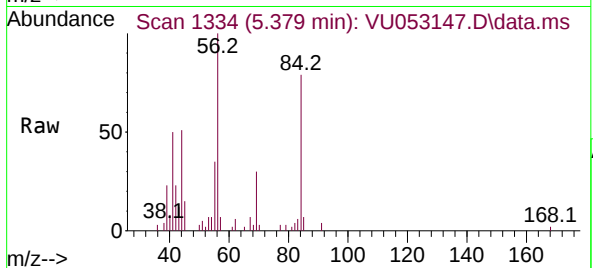
Tgt Ion: 43 Resp: 13164  
Ion Ratio Lower Upper  
43 100  
57 10.8 0.0 17.6





#19  
Cyclohexane  
Concen: 0.954 ug/l m  
RT: 5.379 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

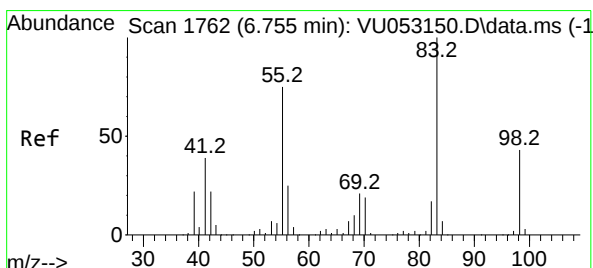
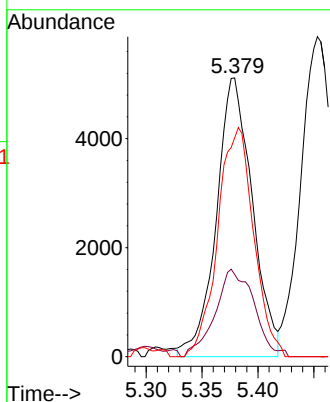
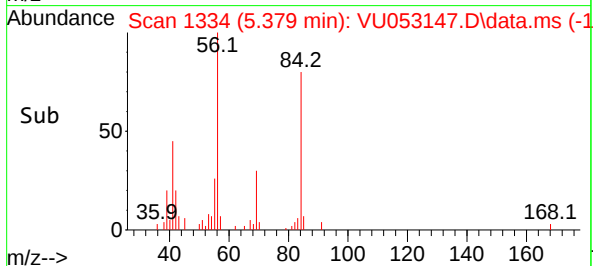
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



Tgt Ion: 56 Resp: 1145  
Ion Ratio Lower Upper  
56 100  
69 33.8 26.1 39.1  
84 81.9 64.7 97.1

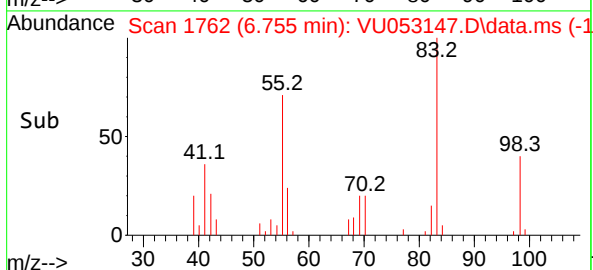
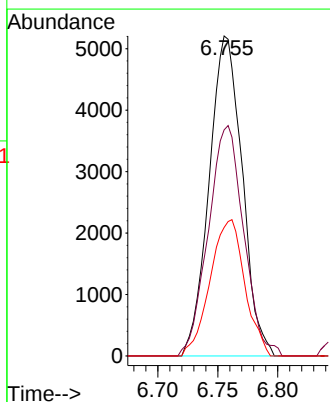
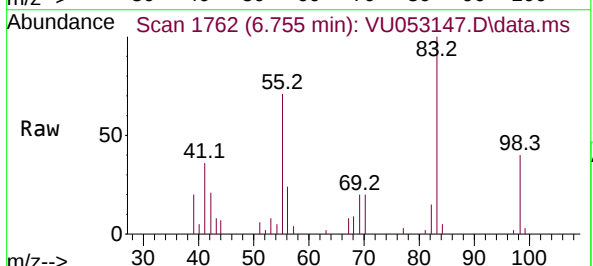
Manual Integrations  
APPROVED

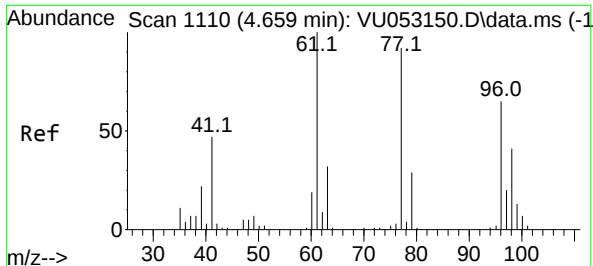
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#20  
Methylcyclohexane  
Concen: 0.864 ug/l  
RT: 6.755 min Scan# 1762  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion: 83 Resp: 9971  
Ion Ratio Lower Upper  
83 100  
55 76.9 60.2 90.2  
98 44.7 33.9 50.9





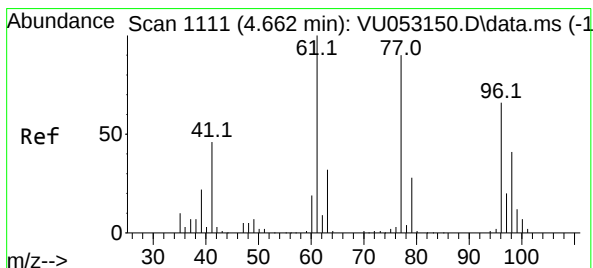
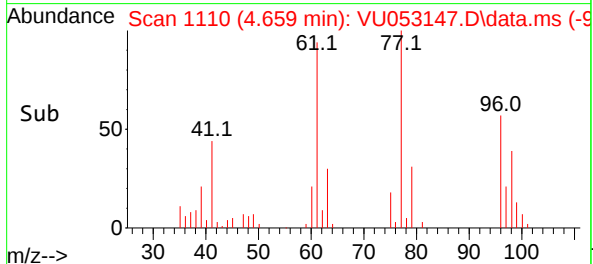
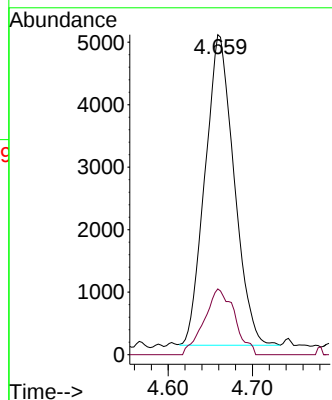
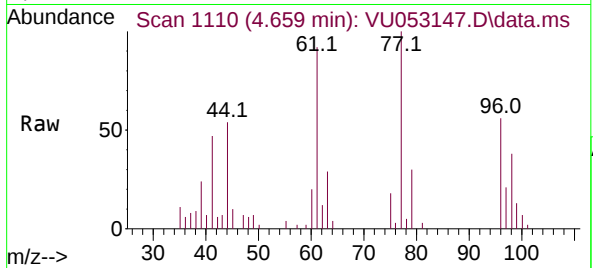
#21  
2,2-Dichloropropane  
Concen: 0.901 ug/l  
RT: 4.659 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 77 Resp: 1187  
Ion Ratio Lower Upper  
77 100  
97 22.3 17.9 26.9

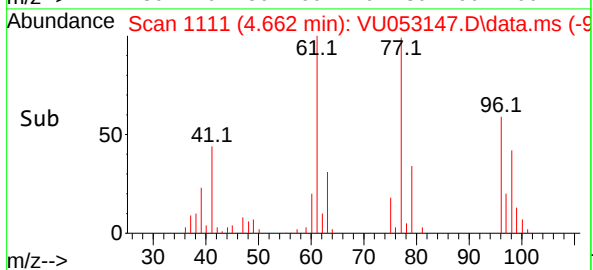
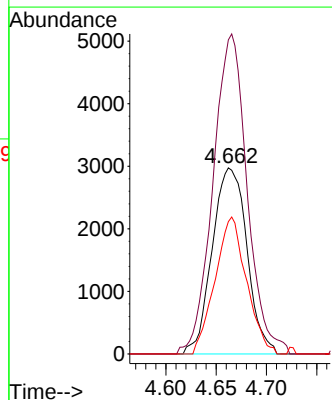
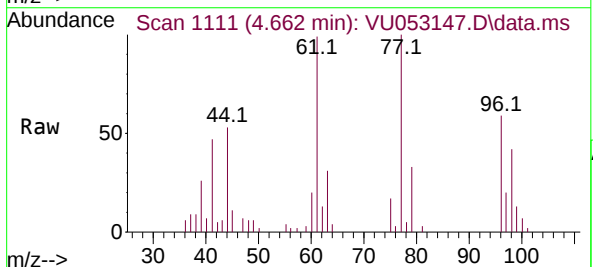
Manual Integrations  
APPROVED

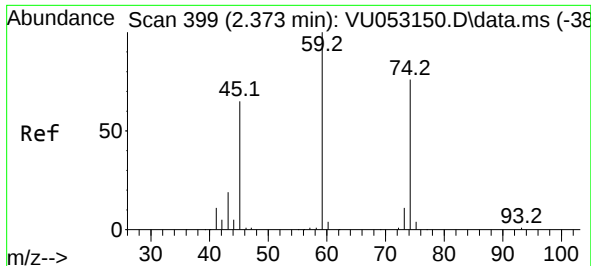
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#22  
cis-1,2-Dichloroethene  
Concen: 0.842 ug/l  
RT: 4.662 min Scan# 1111  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion: 96 Resp: 7143  
Ion Ratio Lower Upper  
96 100  
61 169.0 0.0 390.5  
98 66.6 31.9 95.9





#23

Diethyl Ether

Concen: 0.879 ug/l

RT: 2.376 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 450

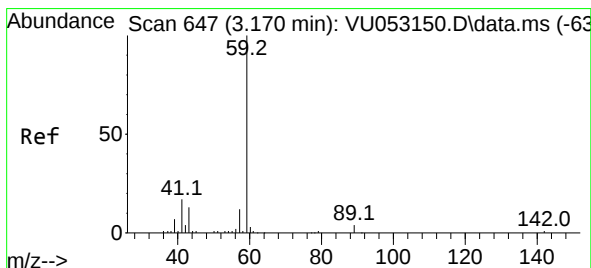
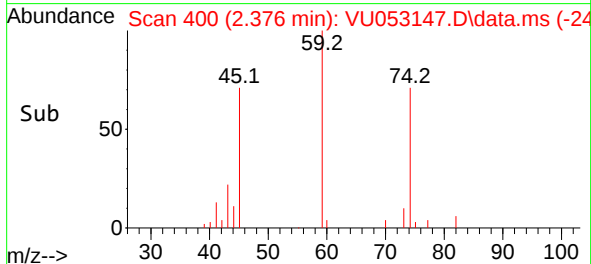
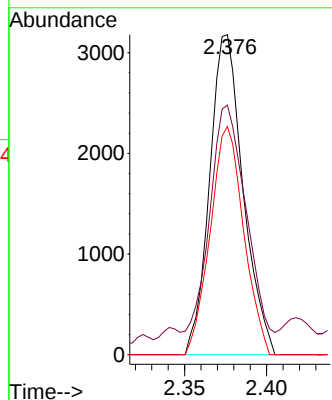
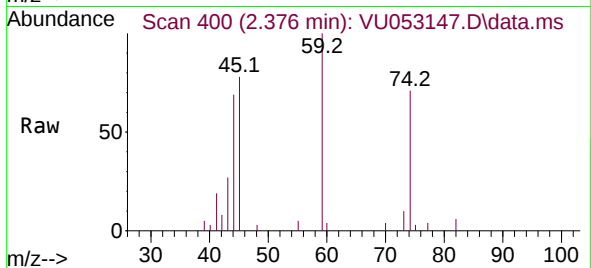
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 59  | 100   |       |       |
| 45  | 74.3  | 54.2  | 81.2  |
| 74  | 71.1  | 60.4  | 90.6  |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#24

tert-Butyl Alcohol

Concen: 9.121 ug/l m

RT: 3.235 min Scan# 667

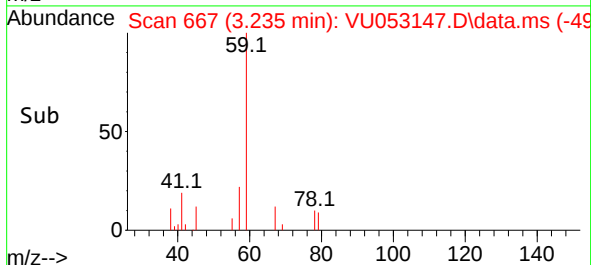
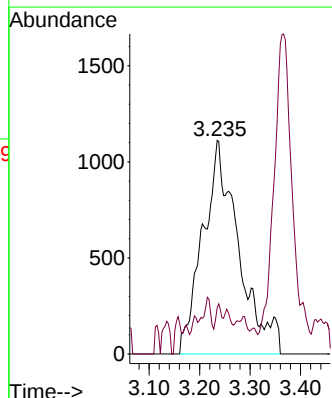
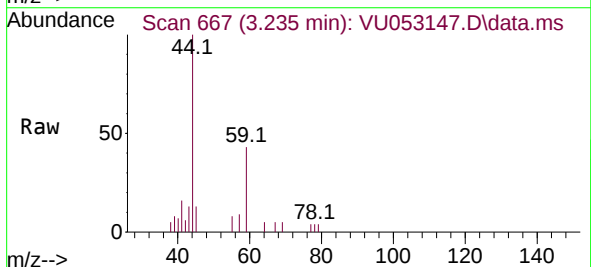
Delta R.T. 0.064 min

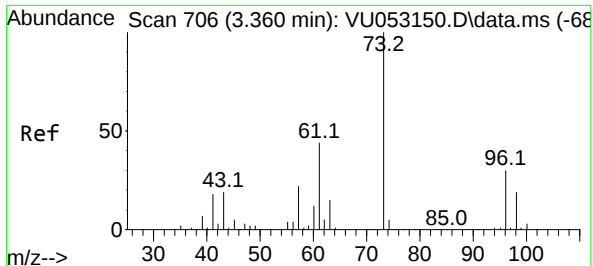
Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Tgt Ion: 59 Resp: 5485

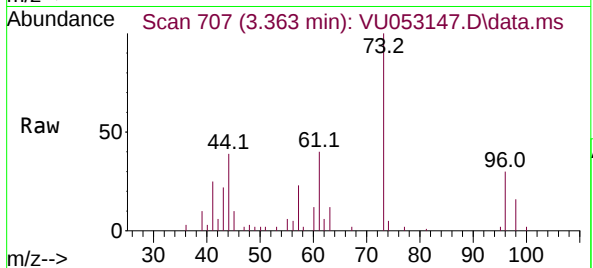
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 59  | 100   |       |       |
| 57  | 2.1   | 8.7   | 13.1# |





#25  
Methyl tert-Butyl Ether  
Concen: 0.885 ug/l  
RT: 3.363 min Scan# 706  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

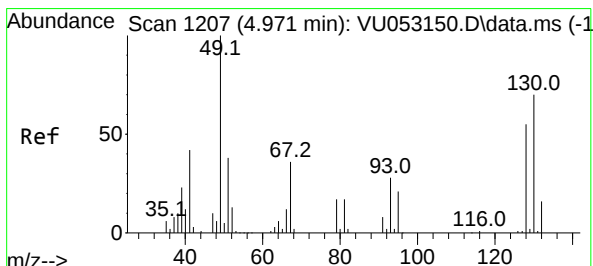
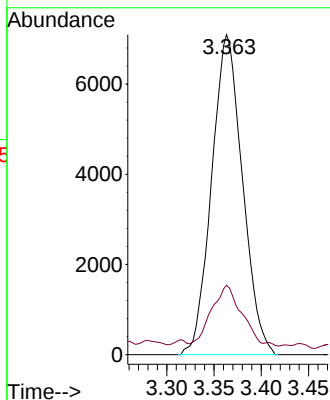
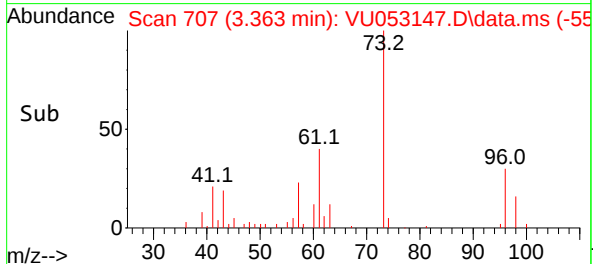
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



Tgt Ion: 73 Resp: 16094  
Ion Ratio Lower Upper  
73 100  
43 17.0 15.0 22.6

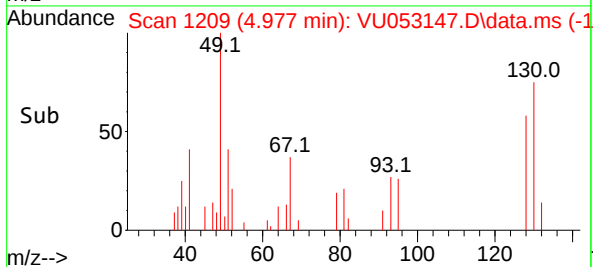
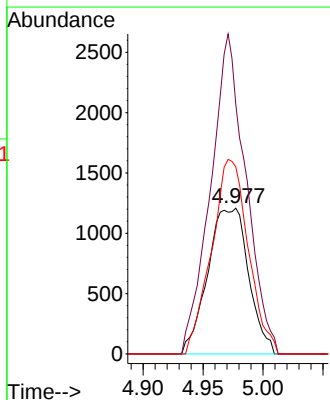
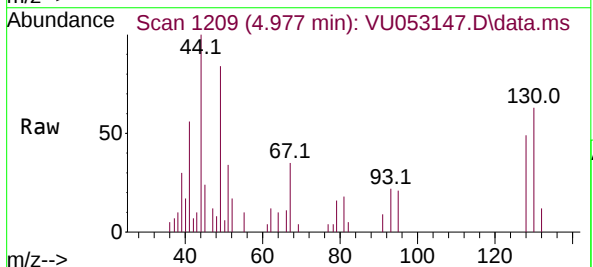
Manual Integrations  
APPROVED

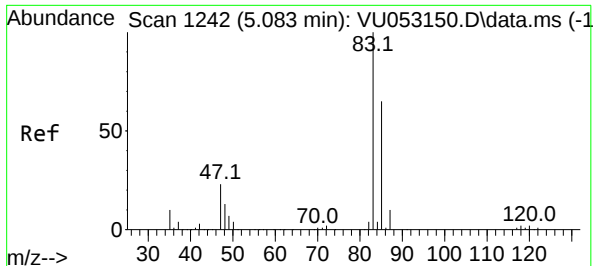
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#26  
Bromochloromethane  
Concen: 0.870 ug/l  
RT: 4.977 min Scan# 1209  
Delta R.T. 0.006 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion:128 Resp: 2856  
Ion Ratio Lower Upper  
128 100  
49 190.2 0.0 376.8  
130 120.7 104.8 157.2





#27

Chloroform

Concen: 0.908 ug/l

RT: 5.087 min Scan# 1242

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 1408

Ion Ratio Lower Upper

83 100

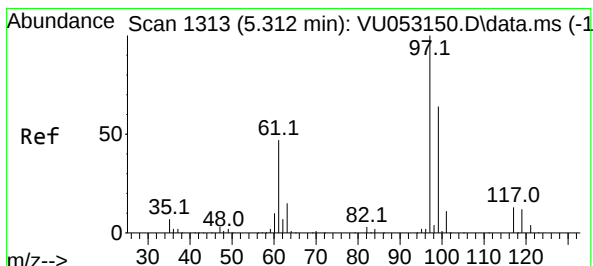
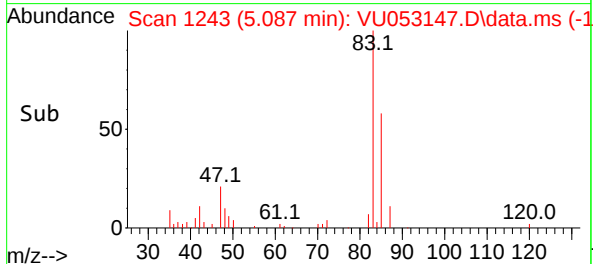
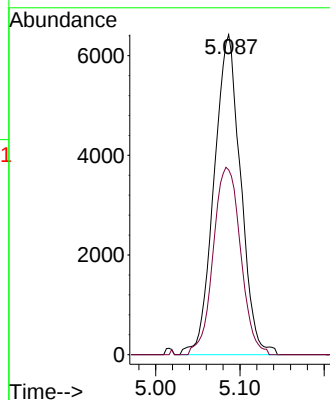
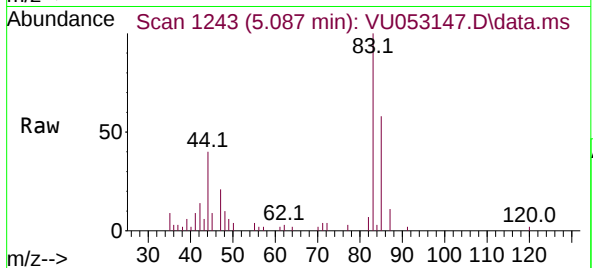
85 57.8 0.0 129.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#28

1,1,1-Trichloroethane

Concen: 0.913 ug/l

RT: 5.312 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

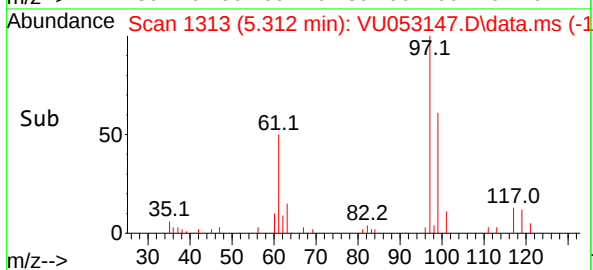
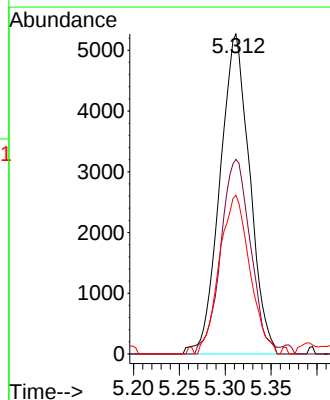
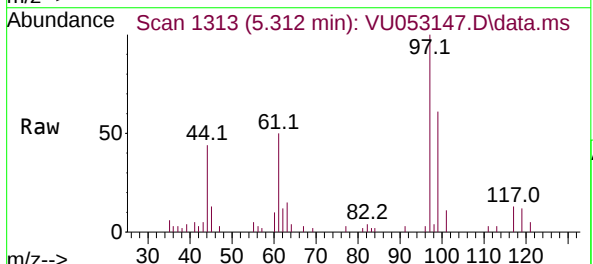
Tgt Ion: 97 Resp: 11893

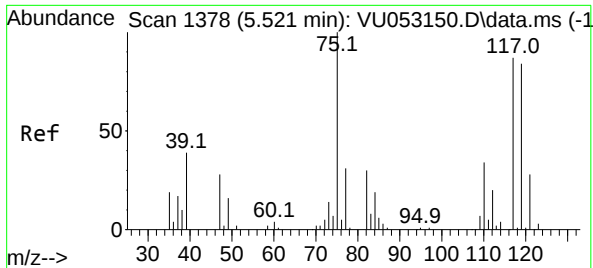
Ion Ratio Lower Upper

97 100

99 61.0 31.6 94.8

61 50.7 23.9 71.7





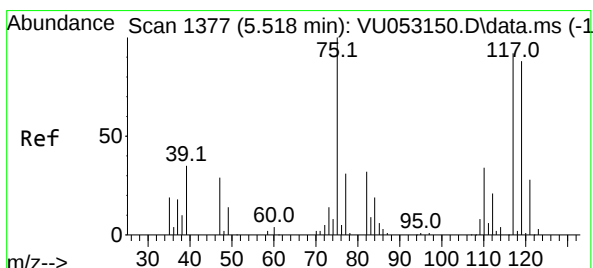
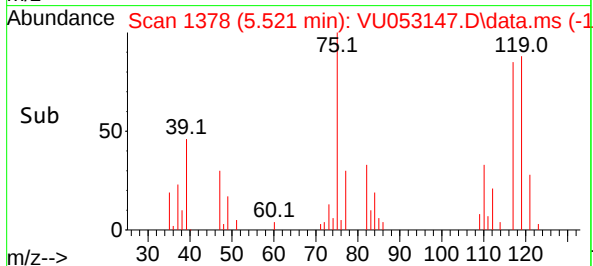
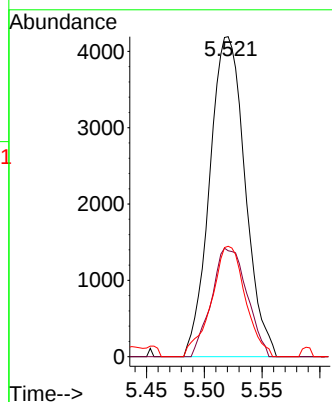
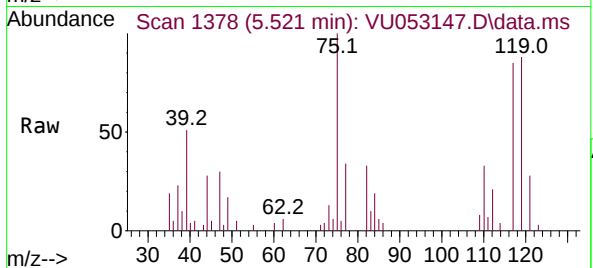
#29  
1,1-Dichloropropene  
Concen: 0.914 ug/l  
RT: 5.521 min Scan# 1378  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 892   |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 33.9    | 16.3 48.8   |
| 77 33.2     | 24.9 37.3   |

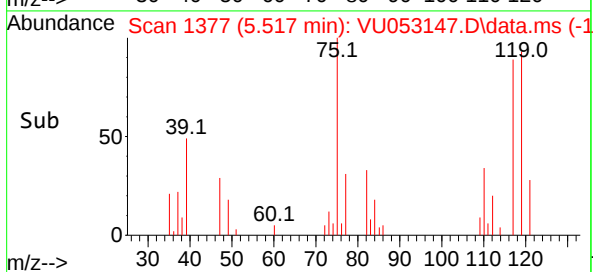
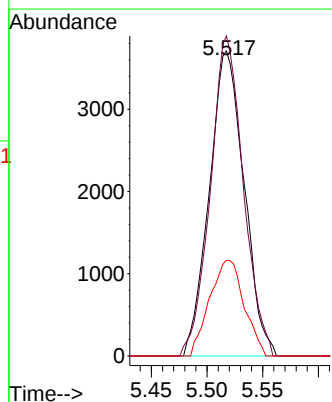
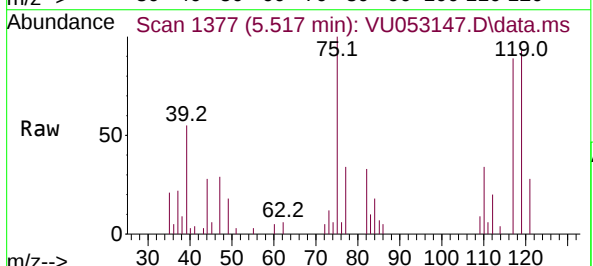
Manual Integrations  
APPROVED

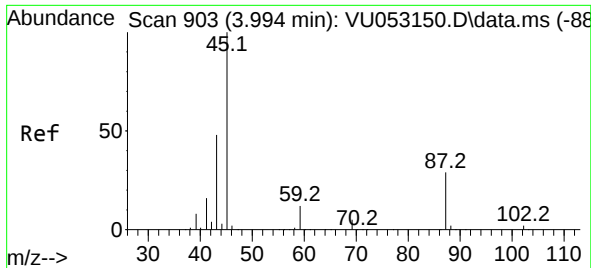
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#30  
Carbon Tetrachloride  
Concen: 0.898 ug/l  
RT: 5.517 min Scan# 1377  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

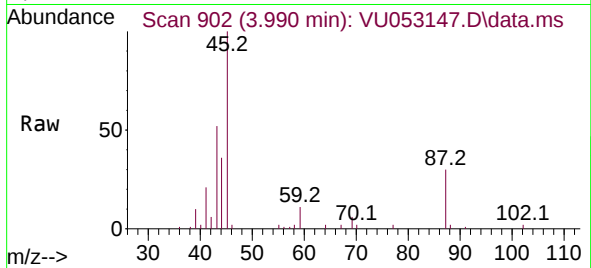
|             |             |
|-------------|-------------|
| Tgt Ion:117 | Resp: 8055  |
| Ion Ratio   | Lower Upper |
| 117 100     |             |
| 119 104.9   | 76.2 114.2  |
| 121 31.3    | 24.6 36.8   |





#31  
Isopropyl Ether  
Concen: 0.877 ug/l  
RT: 3.990 min Scan# 903  
Delta R.T. -0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

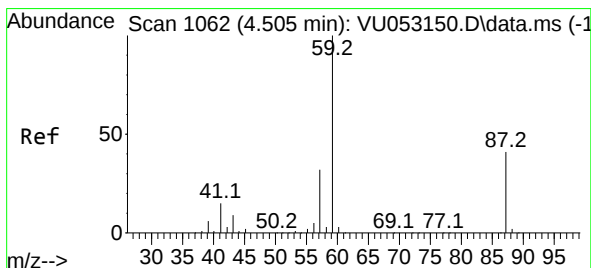
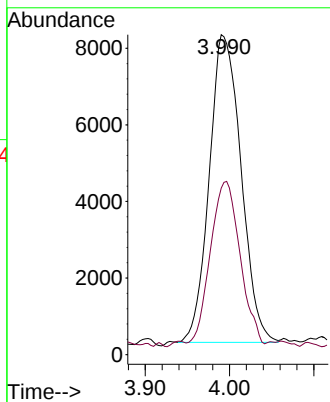
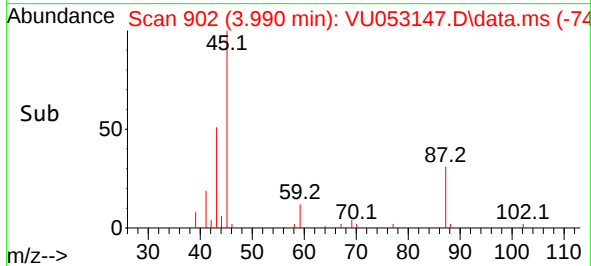
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



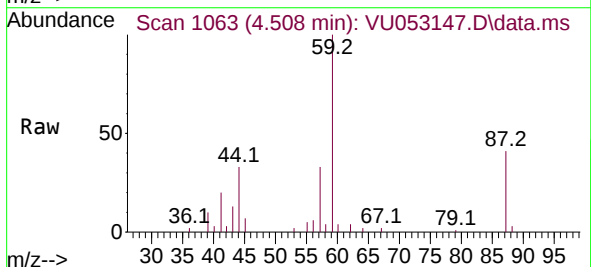
Tgt Ion: 45 Resp: 2105  
Ion Ratio Lower Upper  
45 100  
43 49.6 24.4 73.2

Manual Integrations  
APPROVED

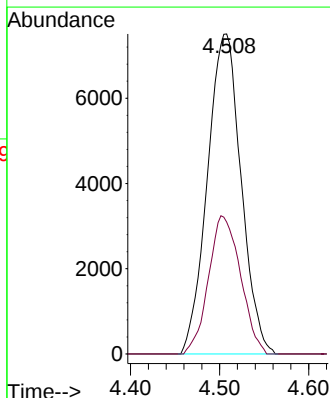
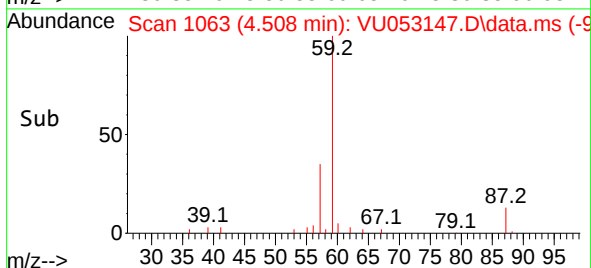
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023

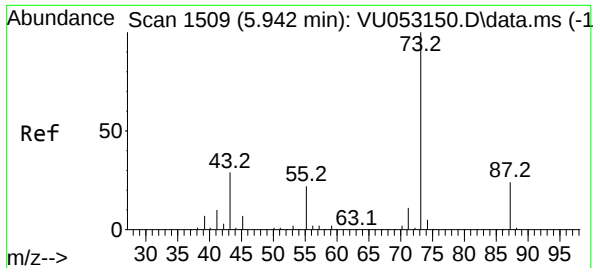


#32  
Ethyl-t-butyl ether  
Concen: 0.867 ug/l  
RT: 4.508 min Scan# 1063  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38



Tgt Ion: 59 Resp: 19727  
Ion Ratio Lower Upper  
59 100  
87 41.0 32.5 48.7





#33  
Tert-Amyl methyl ether  
Concen: 0.900 ug/l  
RT: 5.945 min Scan# 1150  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

Client Sample Id :

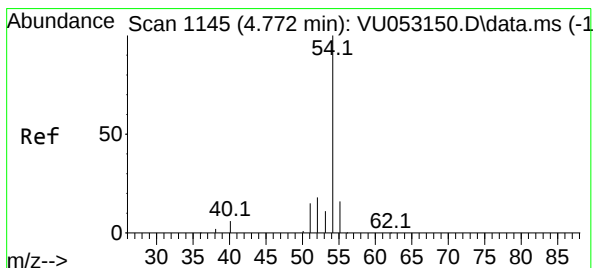
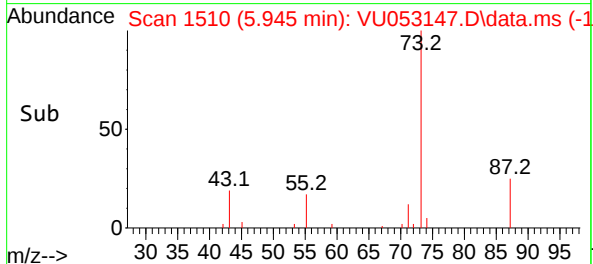
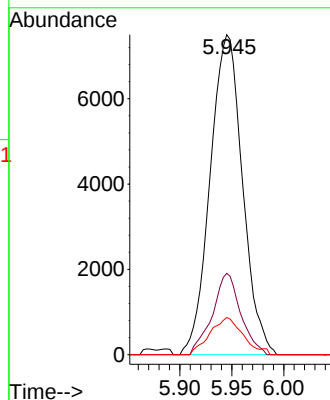
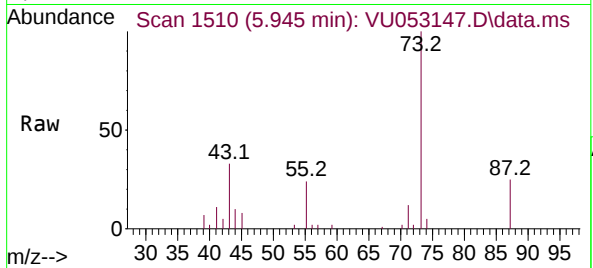
VSTDIC001

Tgt Ion: 73 Resp: 1624  
Ion Ratio Lower Upper  
73 100  
87 22.2 19.0 28.4  
71 11.9 9.2 13.8

Manual Integrations

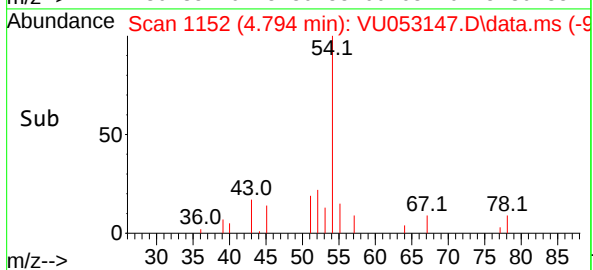
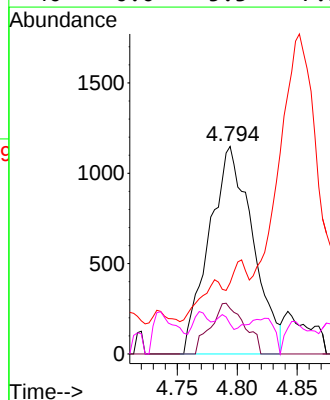
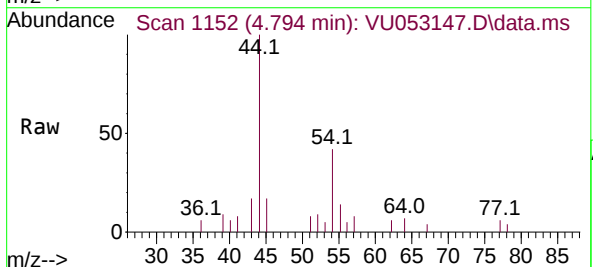
APPROVED

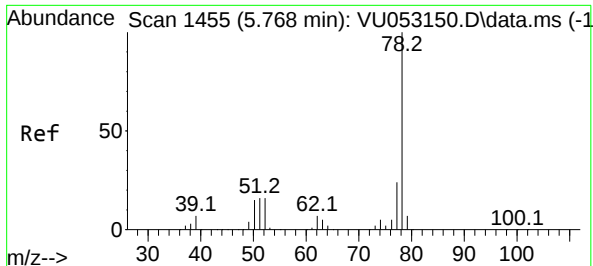
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#34  
Propionitrile  
Concen: 4.515 ug/l  
RT: 4.794 min Scan# 1152  
Delta R.T. 0.022 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion: 54 Resp: 2888  
Ion Ratio Lower Upper  
54 100  
52 18.9 16.5 24.7  
55 11.6 11.4 17.2  
40 0.0 5.3 7.9#





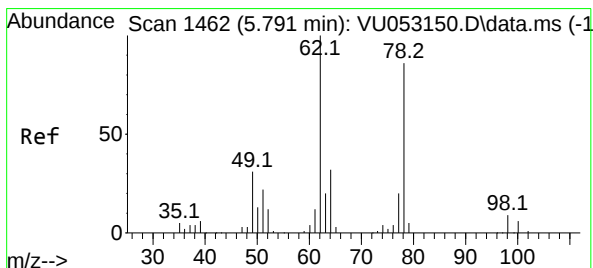
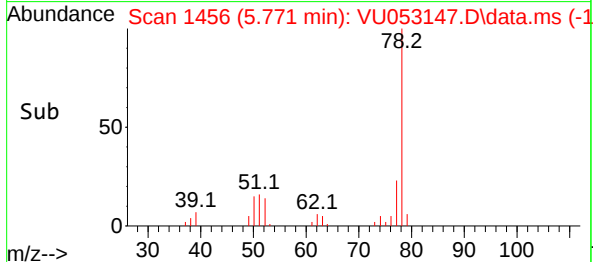
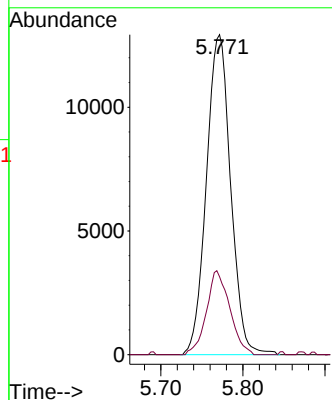
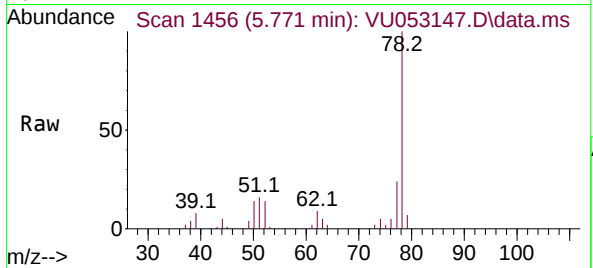
#35  
Benzene  
Concen: 0.924 ug/l  
RT: 5.771 min Scan# 1455  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 78 Resp: 26600  
Ion Ratio Lower Upper  
78 100  
77 24.4 18.9 28.3

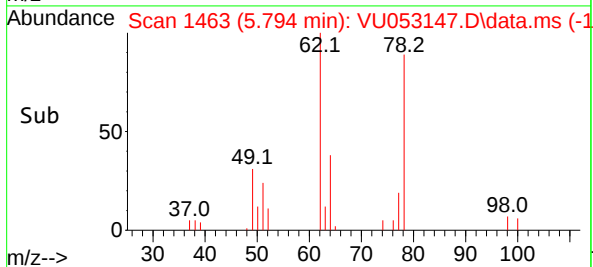
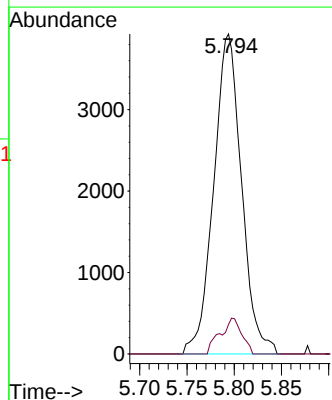
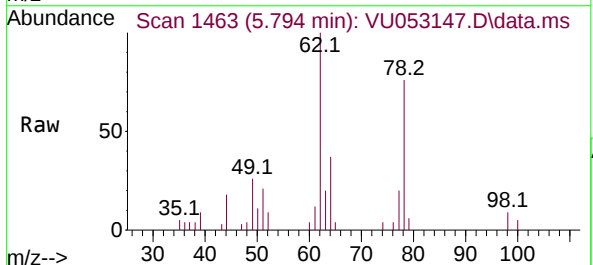
Manual Integrations  
APPROVED

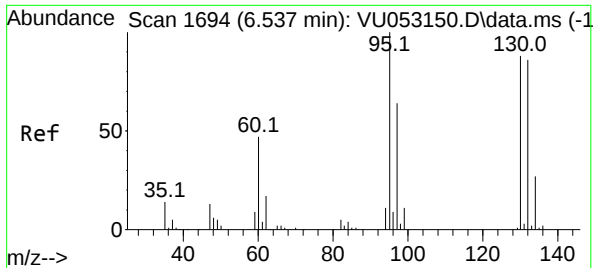
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#36  
1,2-Dichloroethane  
Concen: 0.935 ug/l  
RT: 5.794 min Scan# 1463  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion: 62 Resp: 8046  
Ion Ratio Lower Upper  
62 100  
98 8.6 7.0 10.4





#37

Trichloroethene

Concen: 0.879 ug/l

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion:130 Resp: 5809

Ion Ratio Lower Upper

130 100

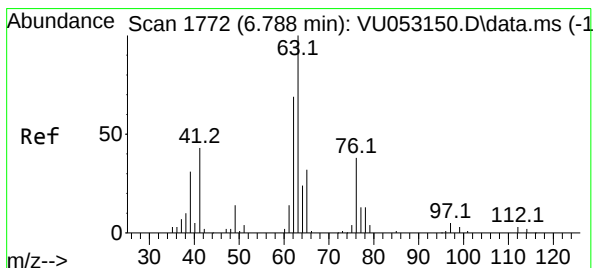
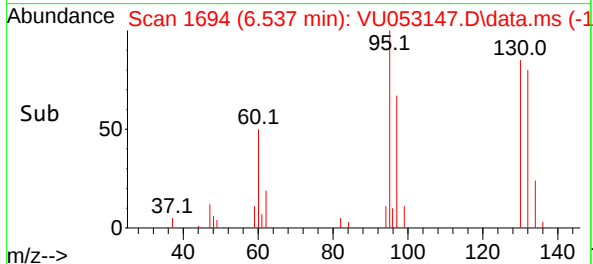
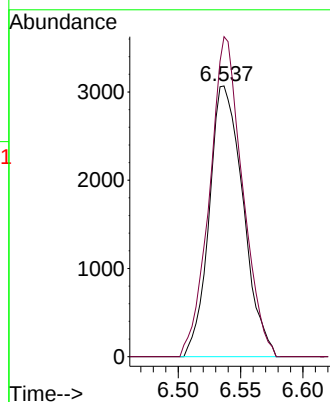
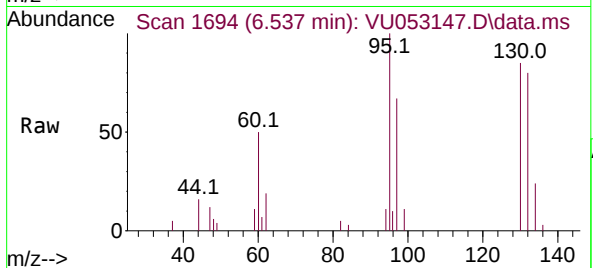
95 118.2 91.1 136.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#38

1,2-Dichloropropane

Concen: 0.891 ug/l

RT: 6.791 min Scan# 1773

Delta R.T. 0.003 min

Lab File: VU053147.D

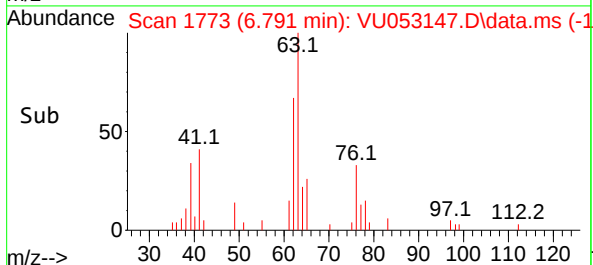
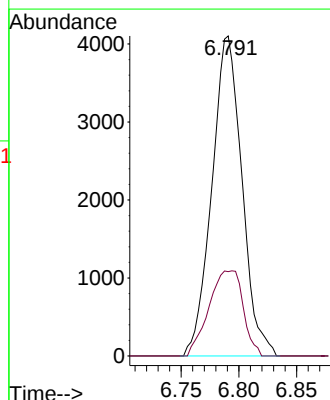
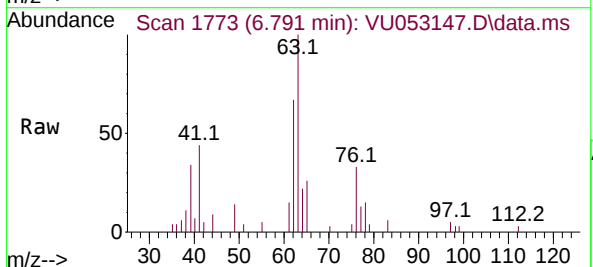
Acq: 27 Feb 2023 10:38

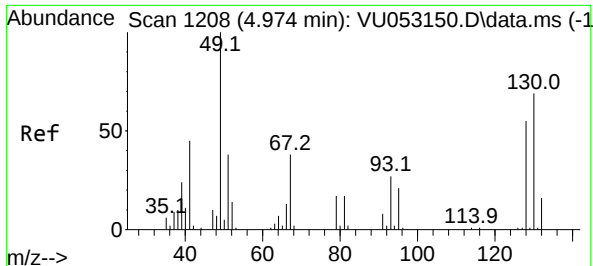
Tgt Ion: 63 Resp: 7425

Ion Ratio Lower Upper

63 100

65 26.4 25.5 38.3





#39

Methacrylonitrile

Concen: 0.896 ug/l

RT: 4.977 min Scan# 1170

Delta R.T. 0.003 min

Lab File: VU053147.D

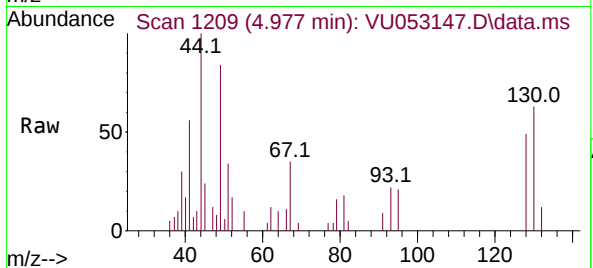
Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001



Tgt Ion: 41 Resp: 245

Ion Ratio Lower Upper

41 100

67 62.2 67.1 100.7

39 46.1 42.6 64.0

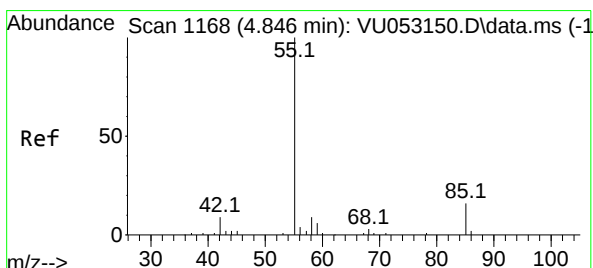
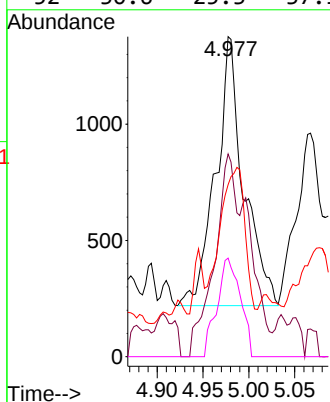
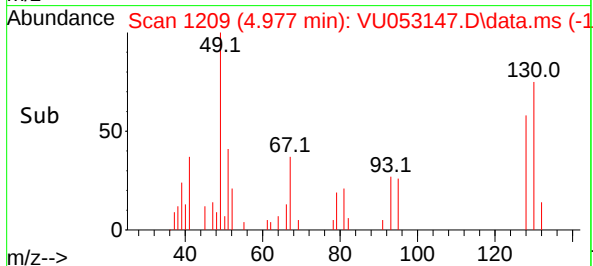
52 30.6 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#40

Methyl acrylate

Concen: 0.949 ug/l

RT: 4.852 min Scan# 1170

Delta R.T. 0.006 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Tgt Ion: 55 Resp: 4003

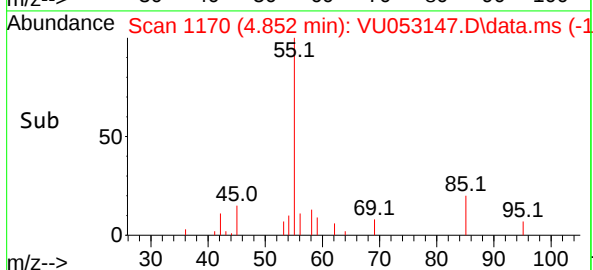
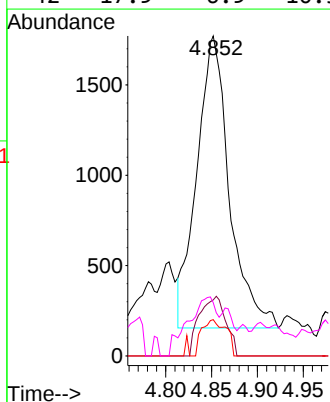
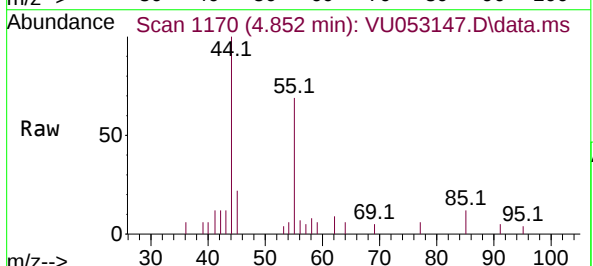
Ion Ratio Lower Upper

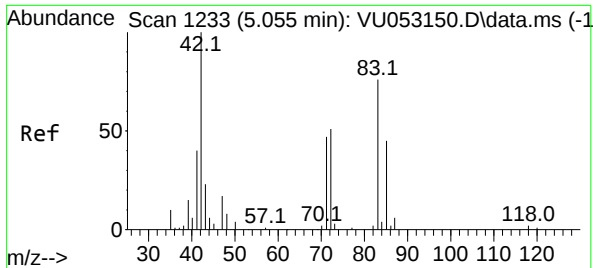
55 100

85 16.6 13.5 20.3

58 9.3 7.3 10.9

42 17.9 6.9 10.3





#41

Tetrahydrofuran

Concen: 1.750 ug/l

RT: 5.064 min Scan# 1236

Delta R.T. 0.010 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

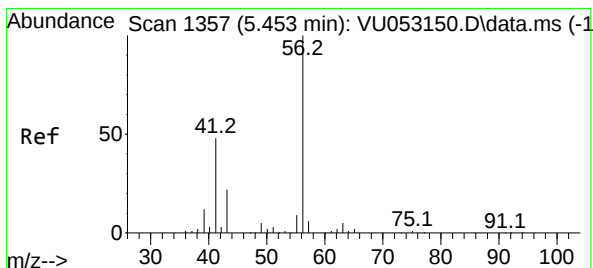
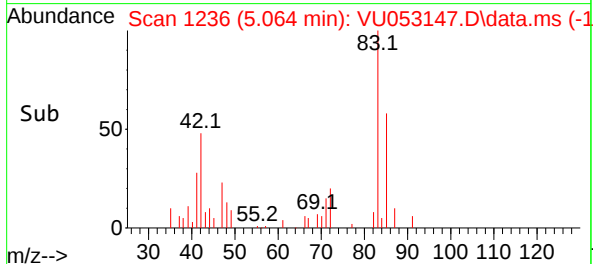
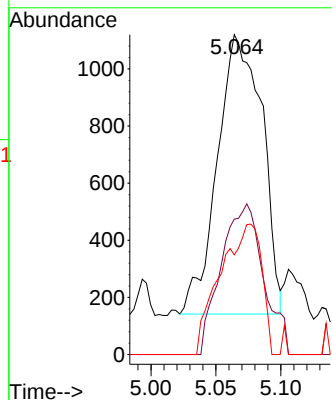
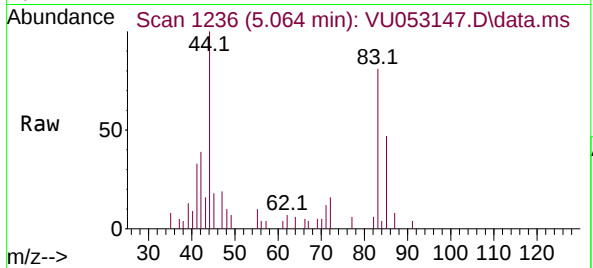
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 234  |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 51.1  | 41.6  | 62.4 |
| 71        | 43.3  | 37.9  | 56.9 |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#42

1-Chlorobutane

Concen: 0.904 ug/l

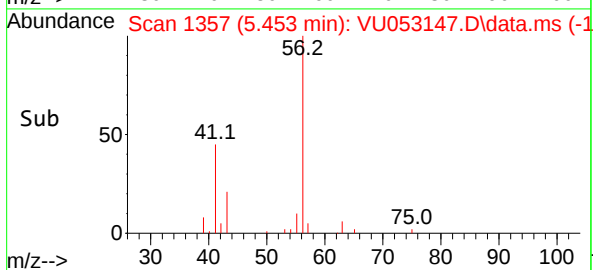
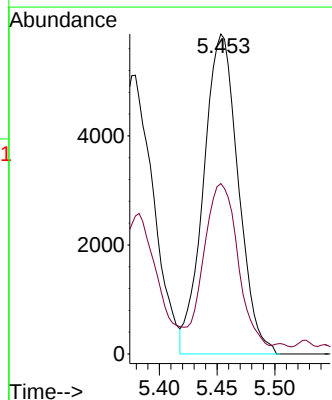
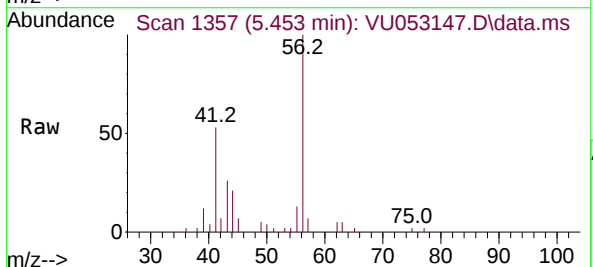
RT: 5.453 min Scan# 1357

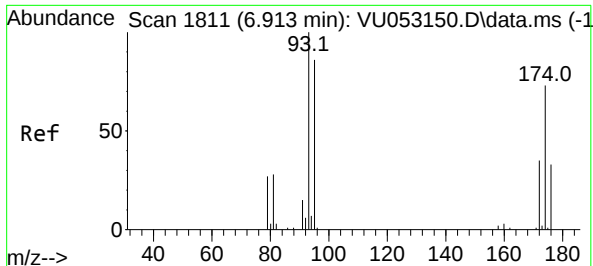
Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 12280 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 41        | 48.7  | 23.7  | 71.1  |





#43

Dibromomethane

Concen: 0.892 ug/l

RT: 6.916 min Scan# 1811

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion: 93 Resp: 3292

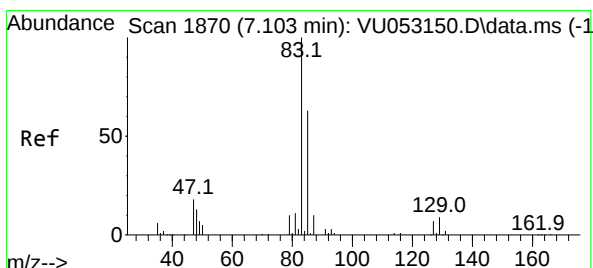
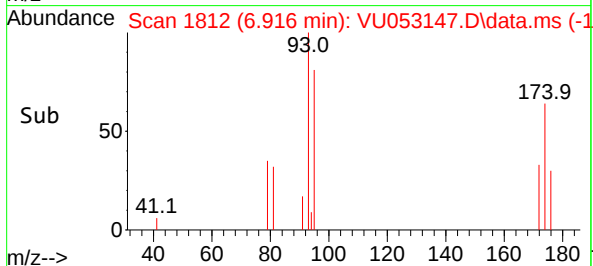
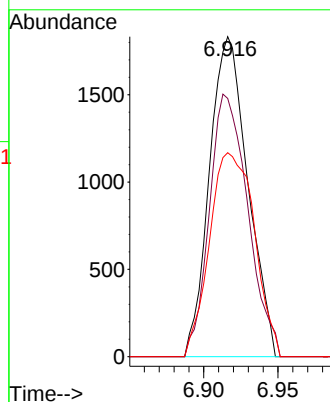
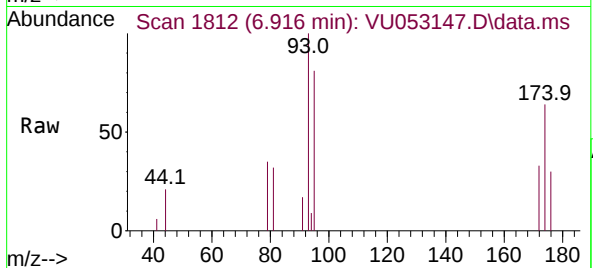
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 82.3  | 66.5  | 99.7  |
| 174 | 74.5  | 58.2  | 87.4  |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#44

Bromodichloromethane

Concen: 0.872 ug/l

RT: 7.103 min Scan# 1870

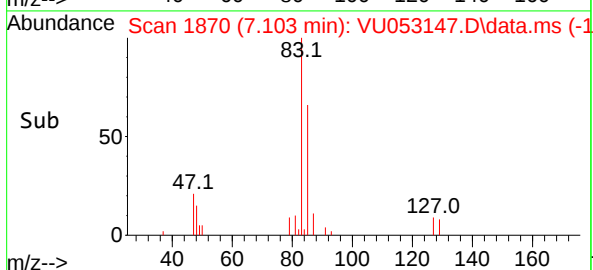
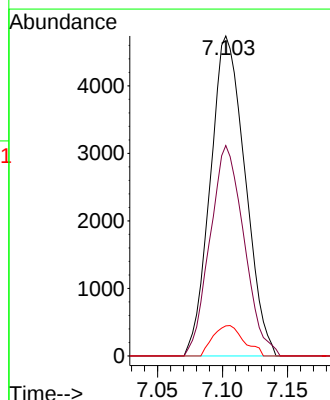
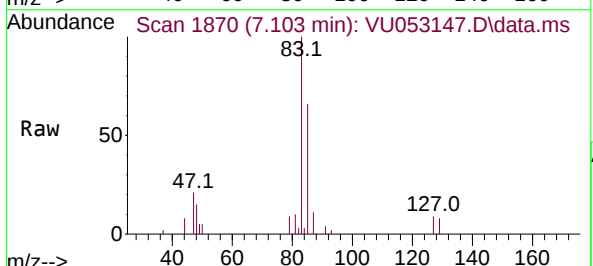
Delta R.T. -0.000 min

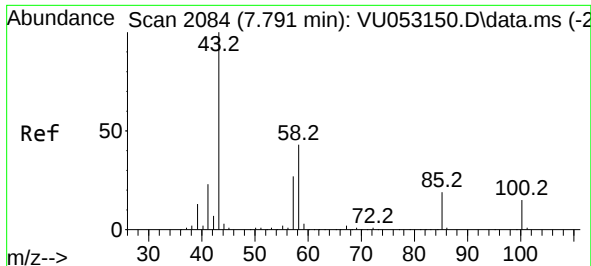
Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Tgt Ion: 83 Resp: 8808

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 65.8  | 50.6  | 75.8  |
| 127 | 9.4   | 5.8   | 8.8   |





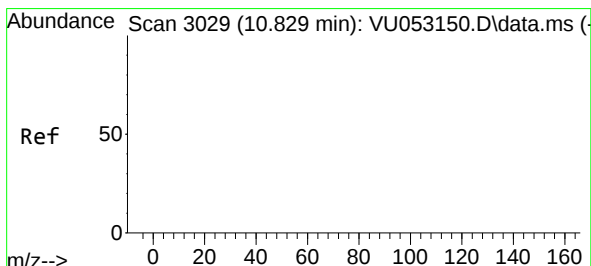
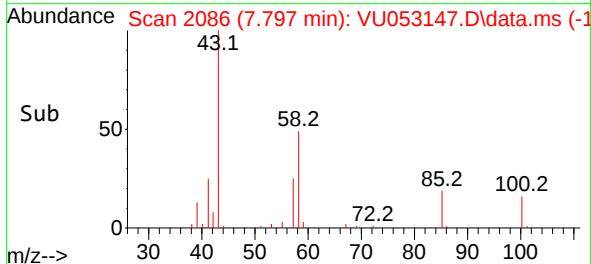
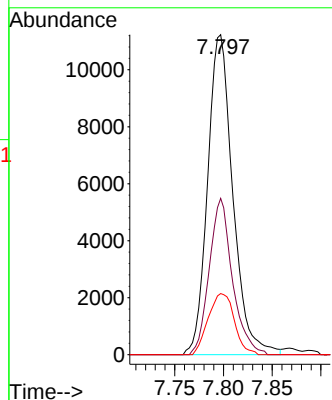
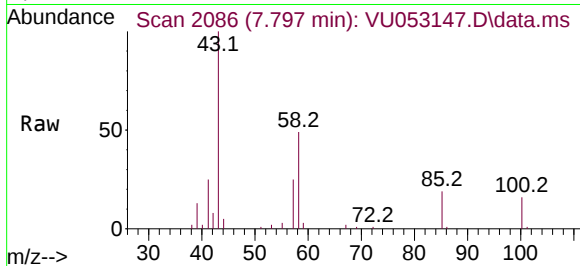
#45  
4-Methyl-2-Pentanone  
Concen: 4.497 ug/l  
RT: 7.797 min Scan# 2086  
Delta R.T. 0.006 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 43 Resp: 2027  
Ion Ratio Lower Upper  
43 100  
58 44.7 22.0 66.0  
85 19.7 15.7 23.5

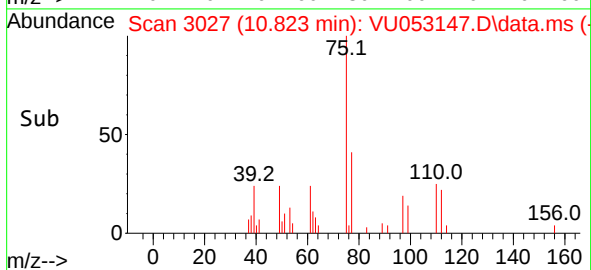
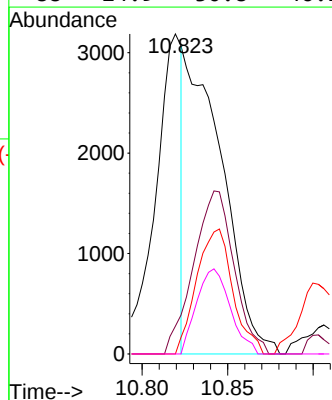
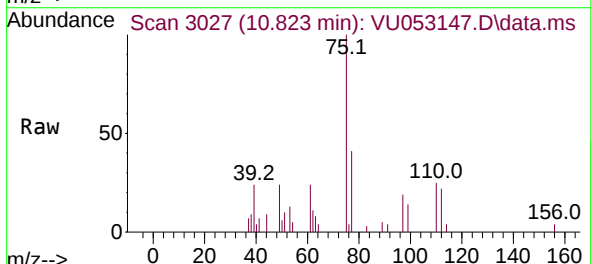
Manual Integrations  
APPROVED

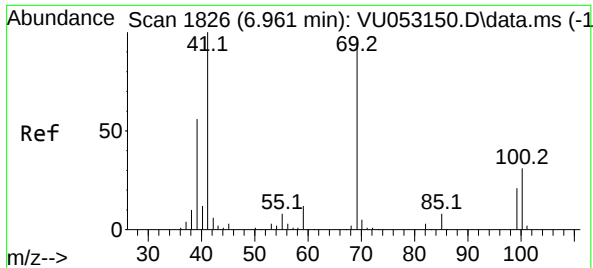
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#46  
t-1,4-Dichloro-2-butene  
Concen: 2.053 ug/l m  
RT: 10.823 min Scan# 3027  
Delta R.T. -0.007 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion: 75 Resp: 4663  
Ion Ratio Lower Upper  
75 100  
53 57.2 57.0 85.4  
89 39.2 43.1 64.7#  
88 24.9 30.8 46.2#





#47

Methyl methacrylate

Concen: 1.722 ug/l

RT: 6.964 min Scan# 1826

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 69 Resp: 6544

Ion Ratio Lower Upper

69 100

41 109.5 0.0 201.0

39 61.0 47.1 70.7

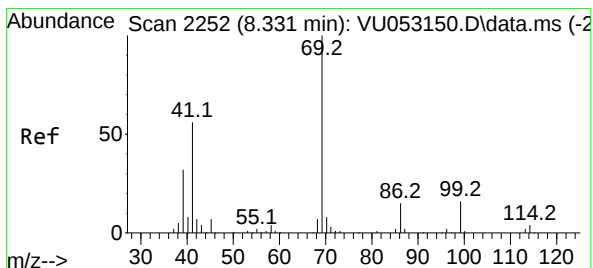
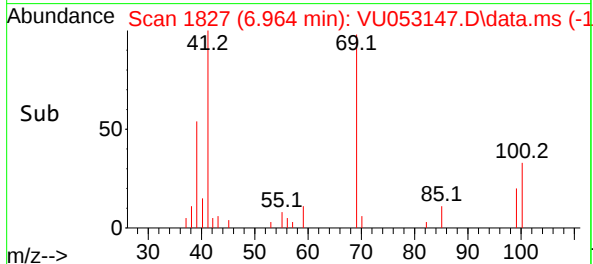
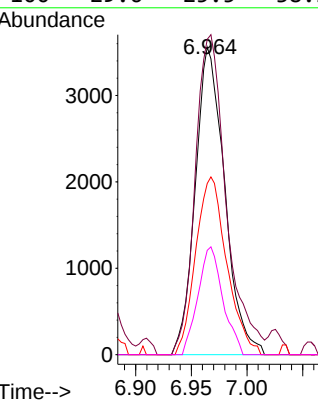
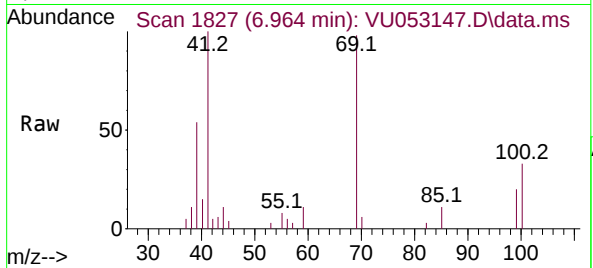
100 29.6 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#48

Ethyl methacrylate

Concen: 0.870 ug/l

RT: 8.334 min Scan# 2253

Delta R.T. 0.003 min

Lab File: VU053147.D

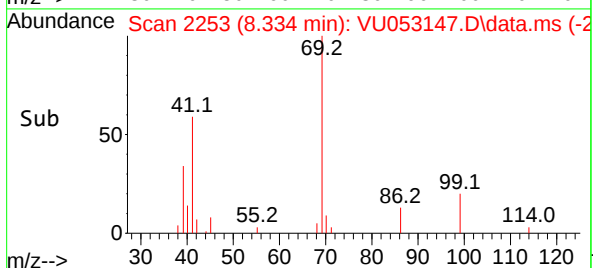
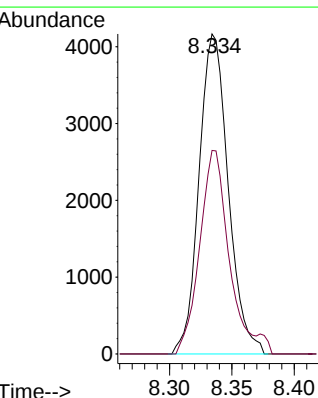
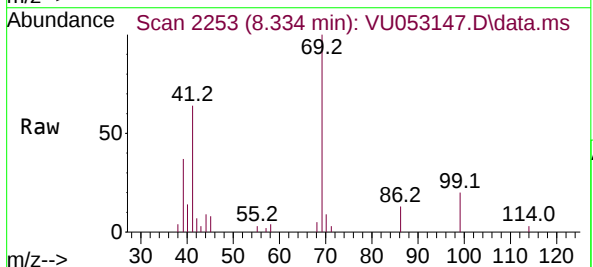
Acq: 27 Feb 2023 10:38

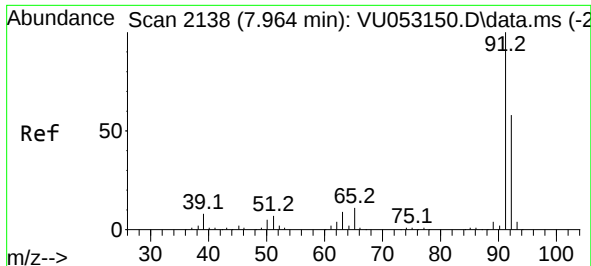
Tgt Ion: 69 Resp: 6787

Ion Ratio Lower Upper

69 100

41 65.0 28.2 84.6





#49

Toluene

Concen: 0.904 ug/l

RT: 7.967 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion: 92 Resp: 16034

Ion Ratio Lower Upper

92 100

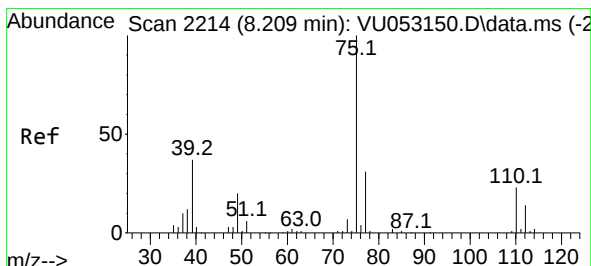
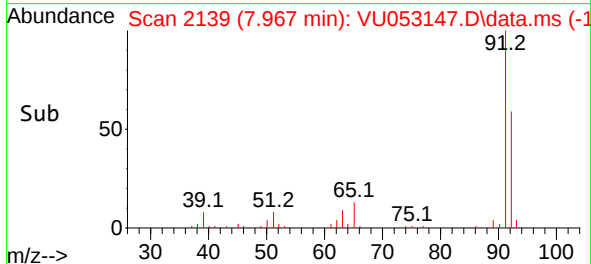
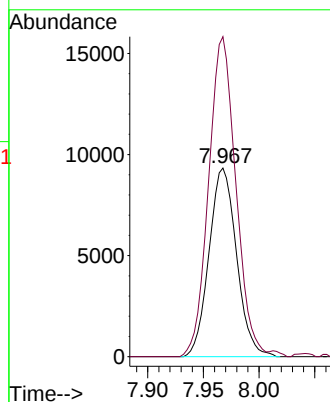
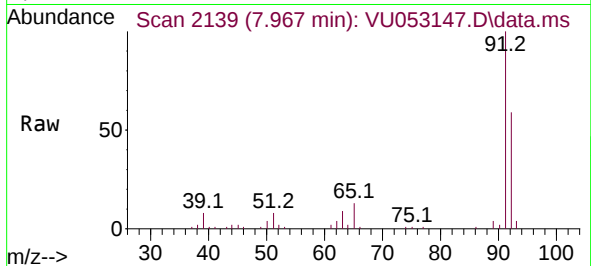
91 167.9 138.2 207.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#50

t-1,3-Dichloropropene

Concen: 0.860 ug/l

RT: 8.212 min Scan# 2215

Delta R.T. 0.003 min

Lab File: VU053147.D

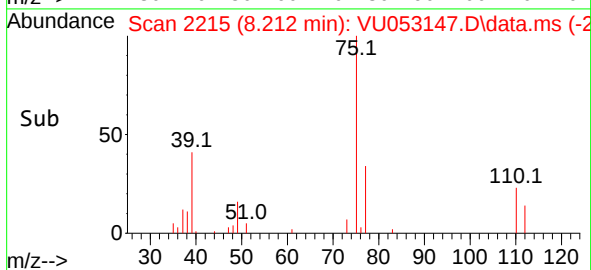
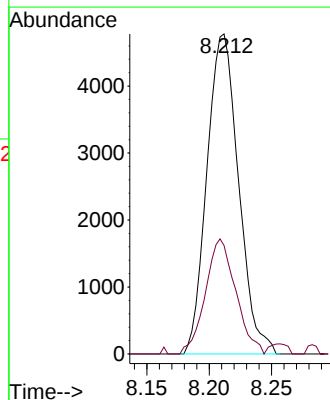
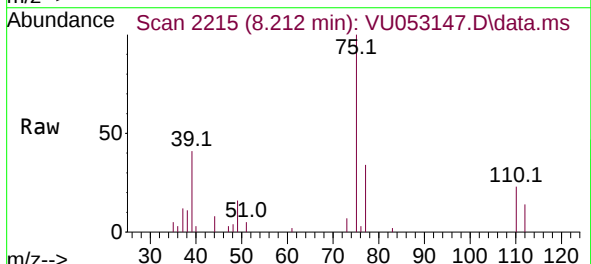
Acq: 27 Feb 2023 10:38

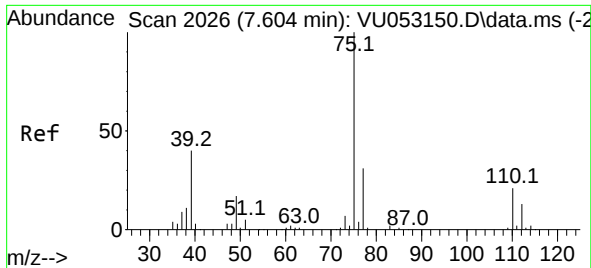
Tgt Ion: 75 Resp: 8434

Ion Ratio Lower Upper

75 100

77 33.9 25.1 37.7





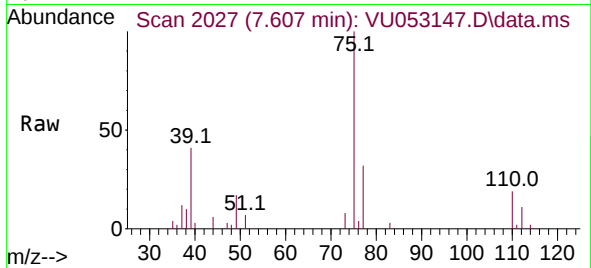
#51  
 cis-1,3-Dichloropropene  
 Concen: 0.912 ug/l  
 RT: 7.607 min Scan# 2026  
 Delta R.T. 0.003 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

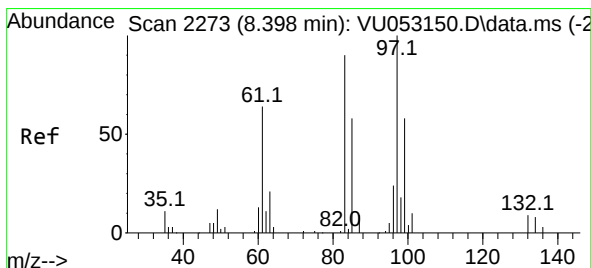
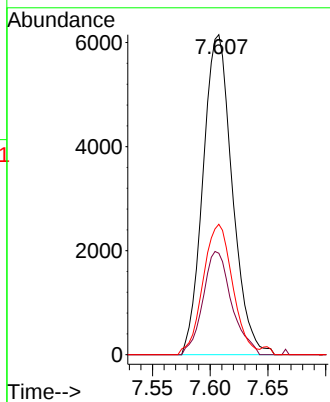
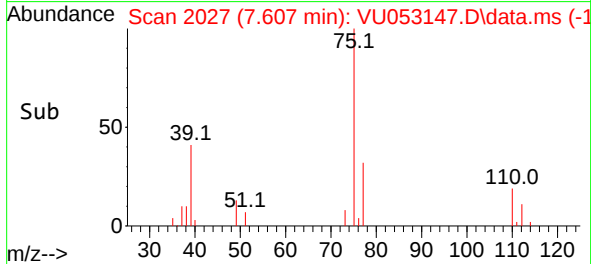


Tgt Ion: 75 Resp: 1084  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 24.9 37.3  
 39 40.7 32.2 48.2

Manual Integrations

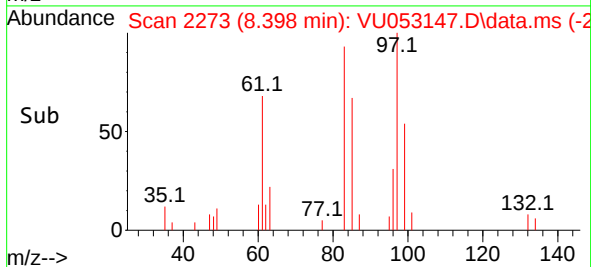
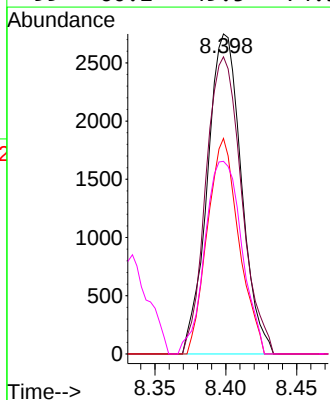
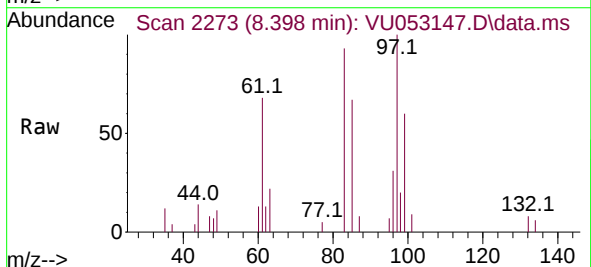
APPROVED

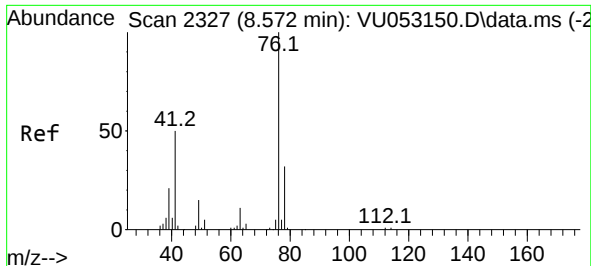
Reviewed By :Krupa Patel 02/28/2023  
 Supervised By :Mahesh Dadoda 02/28/2023



#52  
 1,1,2-Trichloroethane  
 Concen: 0.846 ug/l  
 RT: 8.398 min Scan# 2273  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

Tgt Ion: 97 Resp: 4588  
 Ion Ratio Lower Upper  
 97 100  
 83 92.9 71.9 107.9  
 85 67.4 46.5 69.7  
 99 60.2 49.5 74.3





#53

1,3-Dichloropropane

Concen: 0.915 ug/l

RT: 8.572 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion: 76 Resp: 889

Ion Ratio Lower Upper

76 100

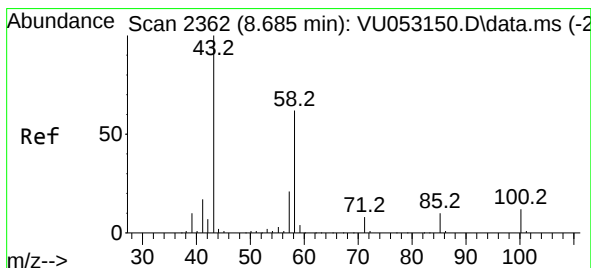
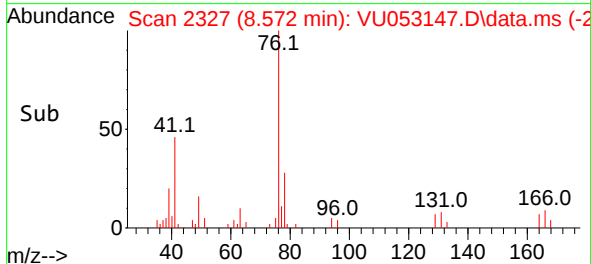
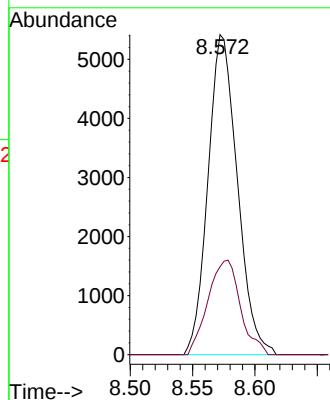
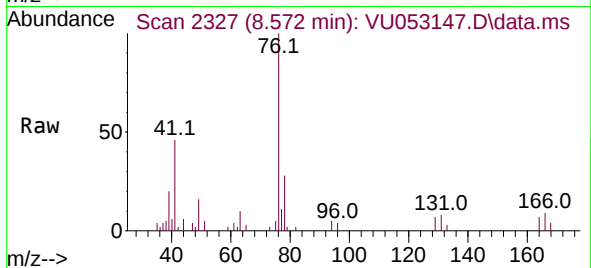
78 32.5 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#54

2-Hexanone

Concen: 4.668 ug/l

RT: 8.688 min Scan# 2363

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

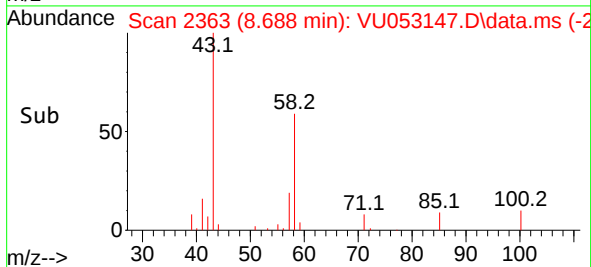
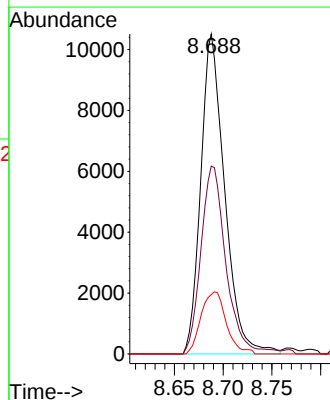
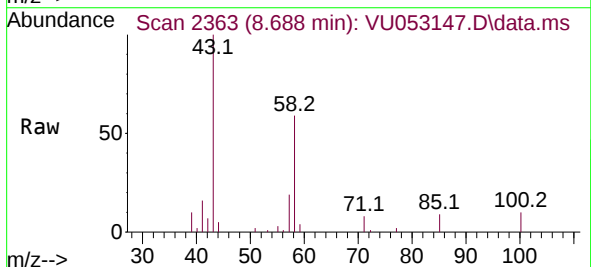
Tgt Ion: 43 Resp: 17927

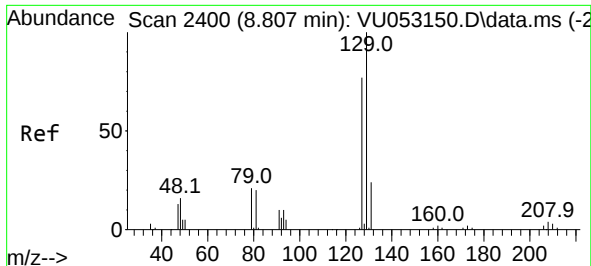
Ion Ratio Lower Upper

43 100

58 61.4 42.0 82.0

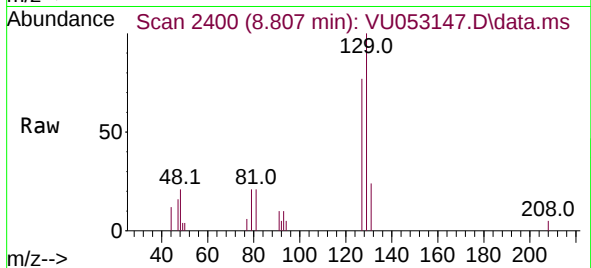
57 20.4 1.2 41.2





#55  
Dibromochloromethane  
Concen: 0.834 ug/l  
RT: 8.807 min Scan# 2400  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

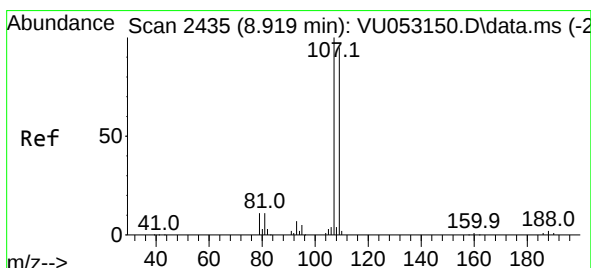
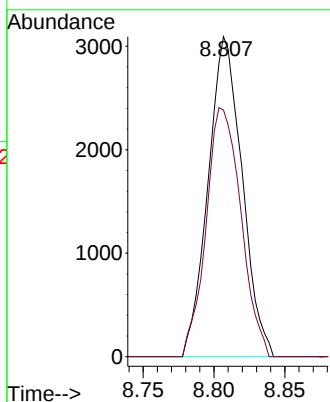
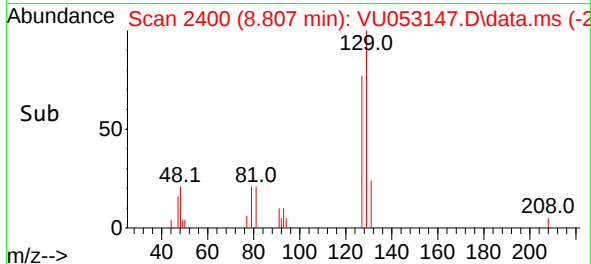
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



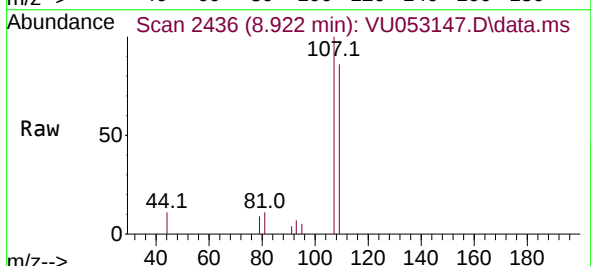
Tgt Ion:129 Resp: 516  
Ion Ratio Lower Upper  
129 100  
127 79.7 61.1 91.7

Manual Integrations  
APPROVED

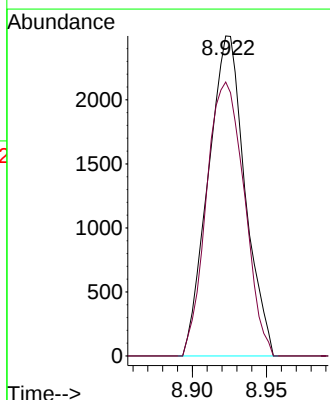
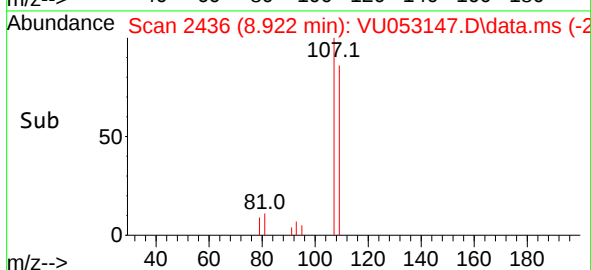
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023

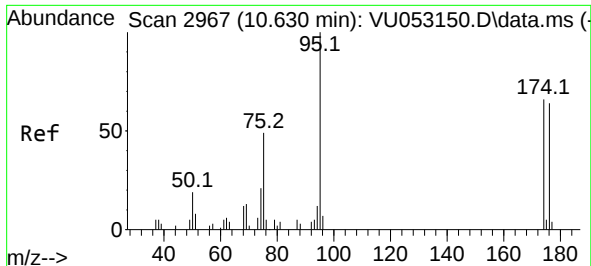


#56  
1,2-Dibromoethane  
Concen: 0.892 ug/l  
RT: 8.922 min Scan# 2436  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38



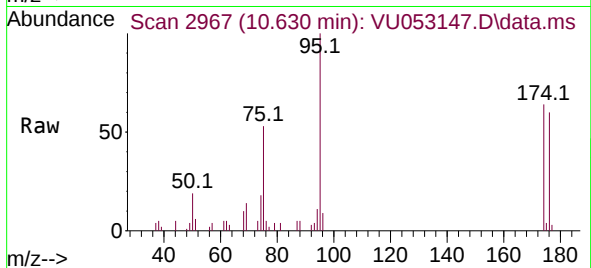
Tgt Ion:107 Resp: 4299  
Ion Ratio Lower Upper  
107 100  
109 88.1 0.0 186.2





#57  
4-Bromofluorobenzene  
Concen: 0.947 ug/l  
RT: 10.630 min Scan# 2967  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

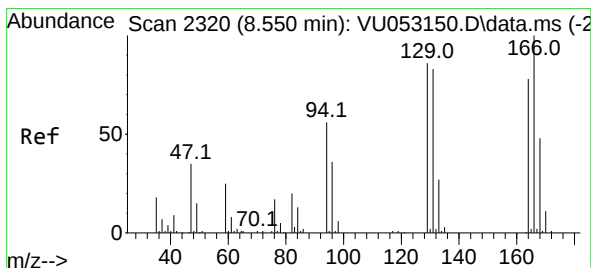
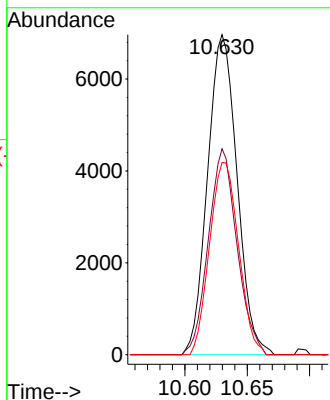
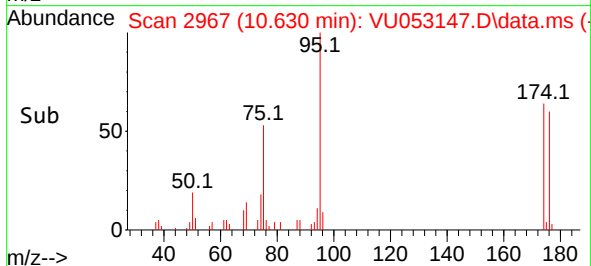
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



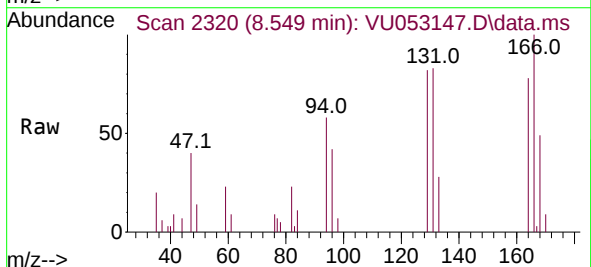
Tgt Ion: 95 Resp: 11489  
Ion Ratio Lower Upper  
95 100  
174 62.4 50.7 76.1  
176 59.0 47.8 71.6

Manual Integrations  
APPROVED

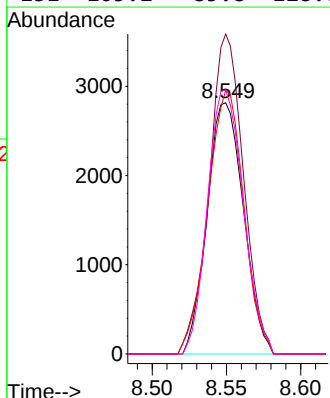
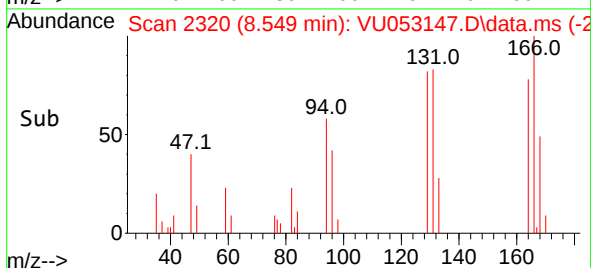
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023

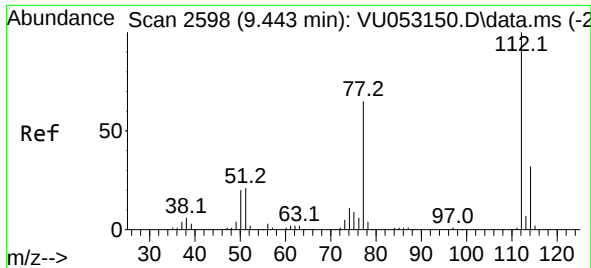


#58  
Tetrachloroethene  
Concen: 0.911 ug/l  
RT: 8.549 min Scan# 2320  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38



Tgt Ion:164 Resp: 4801  
Ion Ratio Lower Upper  
164 100  
166 127.4 103.2 154.8  
129 104.9 88.8 133.2  
131 105.2 85.8 128.6





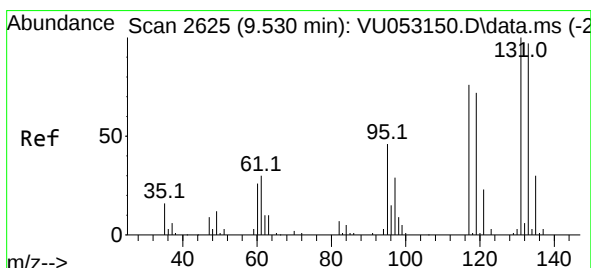
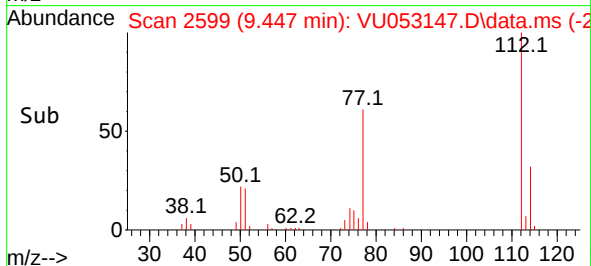
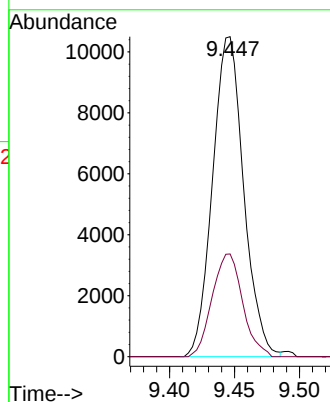
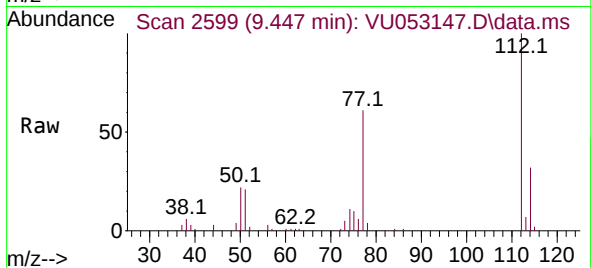
#59  
Chlorobenzene  
Concen: 0.881 ug/l  
RT: 9.447 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion:112 Resp: 1746  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.8 38.6

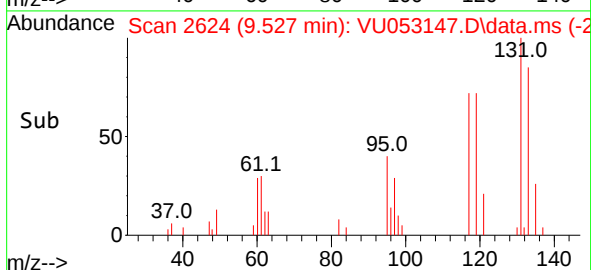
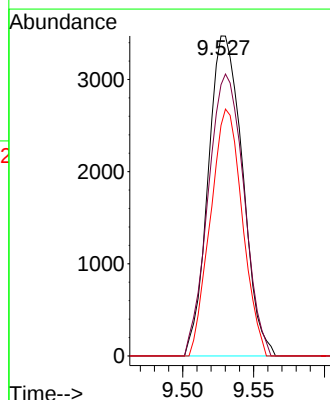
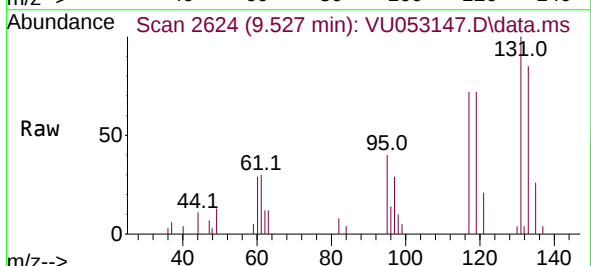
Manual Integrations  
APPROVED

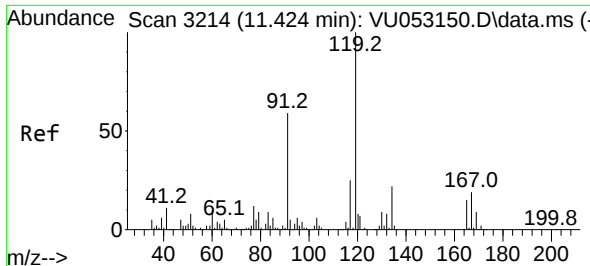
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#60  
1,1,1,2-Tetrachloroethane  
Concen: 0.893 ug/l  
RT: 9.527 min Scan# 2624  
Delta R.T. -0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

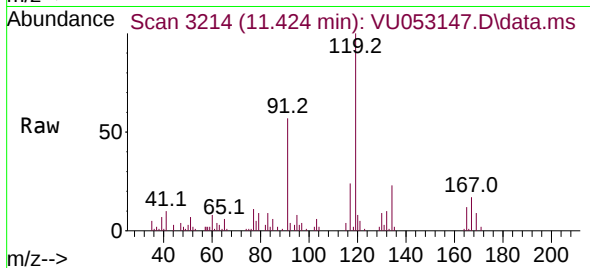
Tgt Ion:131 Resp: 5853  
Ion Ratio Lower Upper  
131 100  
133 91.4 76.7 115.1  
119 71.8 57.6 86.4





#61  
 Pentachloroethane  
 Concen: 0.817 ug/l  
 RT: 11.424 min Scan# 3214  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

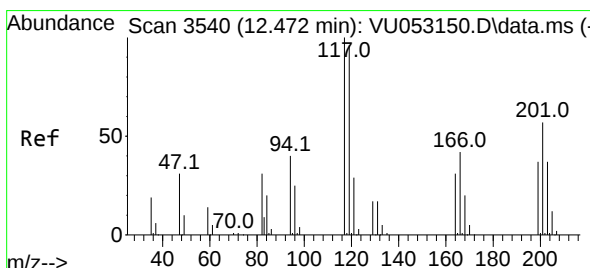
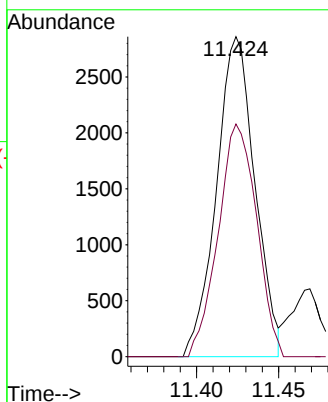
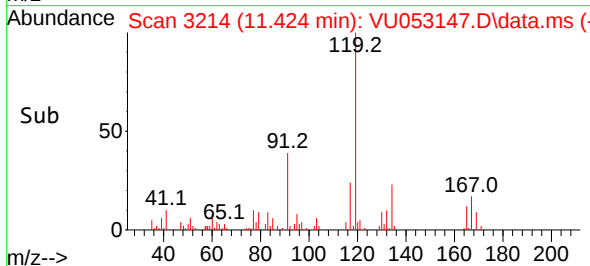
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001



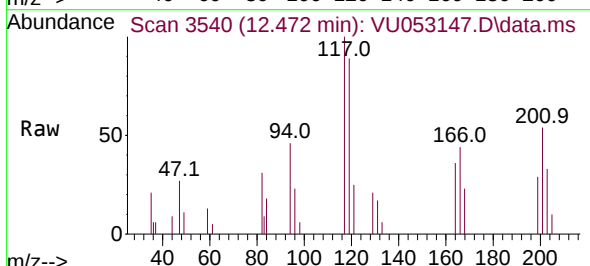
Tgt Ion:117 Resp: 4652  
 Ion Ratio Lower Upper  
 117 100  
 167 72.7 57.5 86.3

Manual Integrations  
 APPROVED

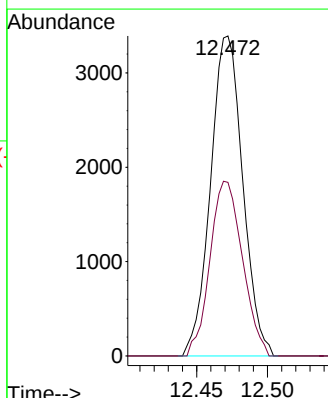
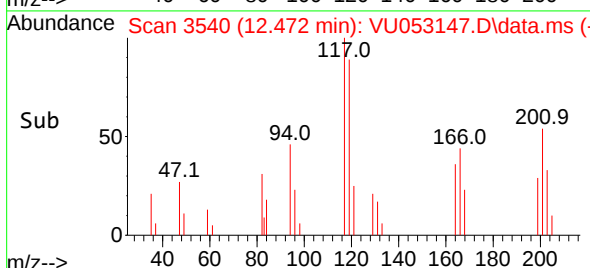
Reviewed By :Krupa Patel 02/28/2023  
 Supervised By :Mahesh Dadoda 02/28/2023

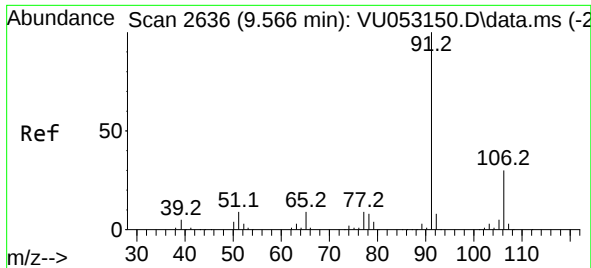


#62  
 Hexachloroethane  
 Concen: 0.856 ug/l  
 RT: 12.472 min Scan# 3540  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38



Tgt Ion:117 Resp: 5371  
 Ion Ratio Lower Upper  
 117 100  
 201 54.9 46.7 70.1





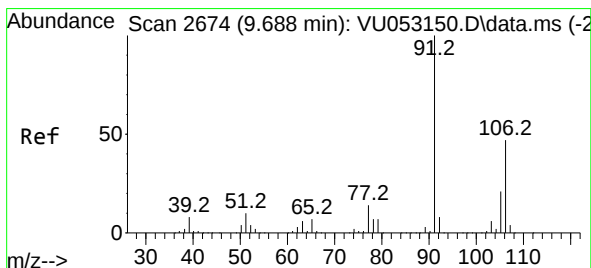
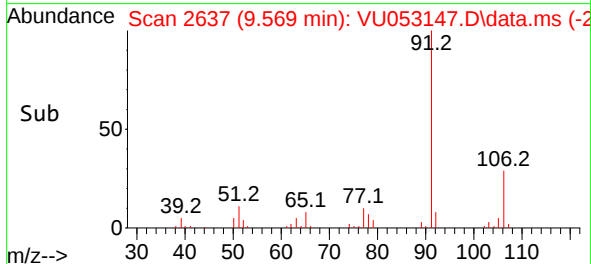
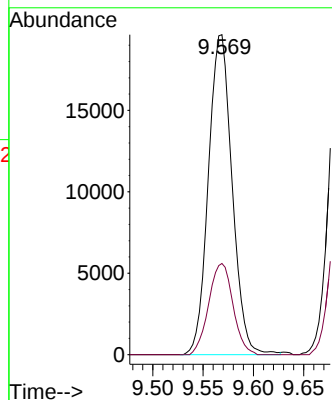
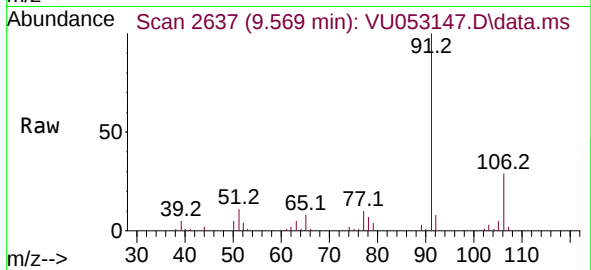
#63  
Ethyl Benzene  
Concen: 0.881 ug/l  
RT: 9.569 min Scan# 2636  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 91 Resp: 32250  
Ion Ratio Lower Upper  
91 100  
106 28.5 24.0 36.0

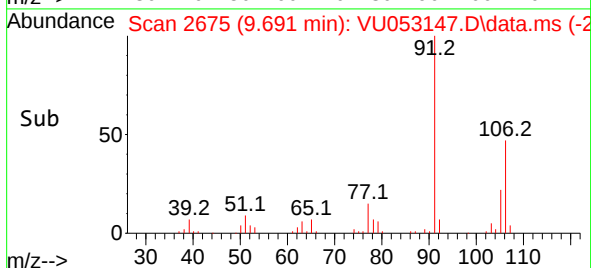
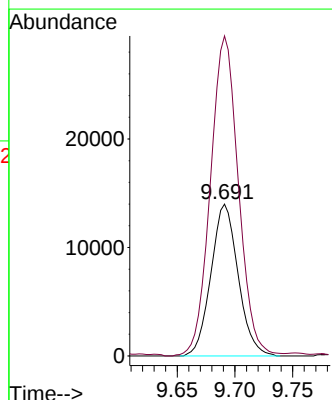
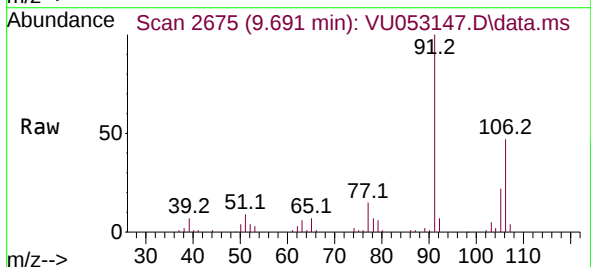
Manual Integrations  
APPROVED

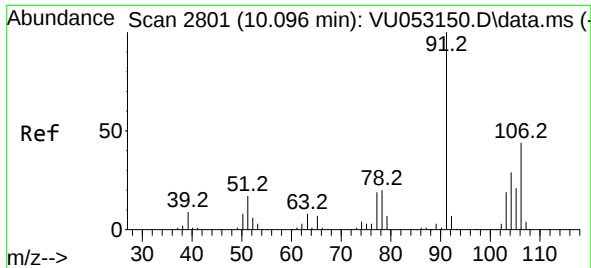
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#64  
m/p-Xylenes  
Concen: 1.726 ug/l  
RT: 9.691 min Scan# 2675  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion:106 Resp: 22916  
Ion Ratio Lower Upper  
106 100  
91 217.1 170.7 256.1





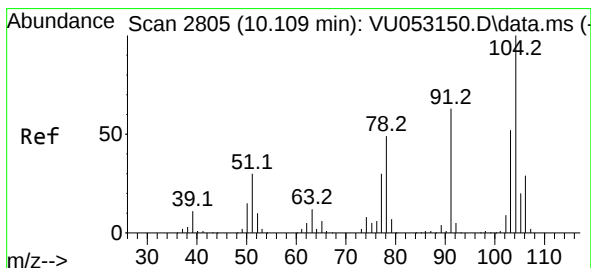
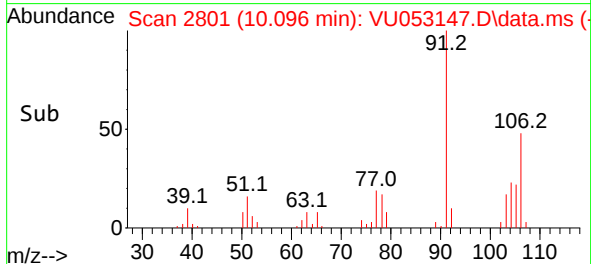
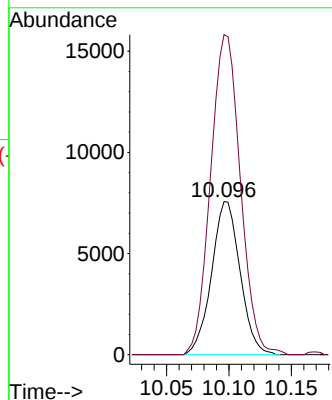
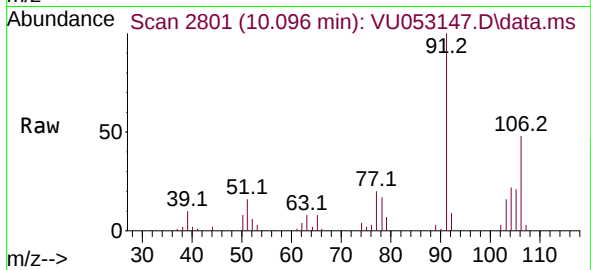
#65  
o-Xylene  
Concen: 0.888 ug/l  
RT: 10.096 min Scan# 2801  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion:106 Resp: 12039  
Ion Ratio Lower Upper  
106 100  
91 218.6 112.8 338.4

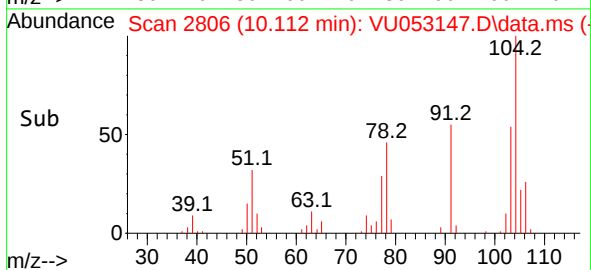
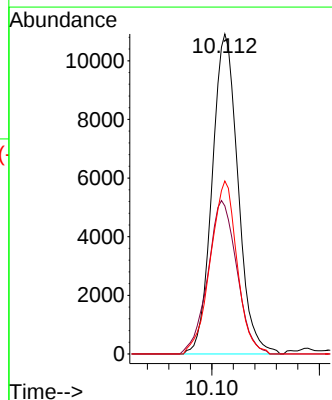
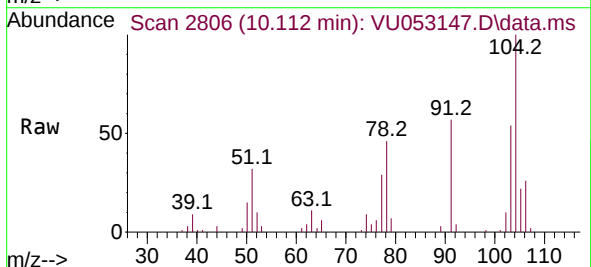
Manual Integrations  
APPROVED

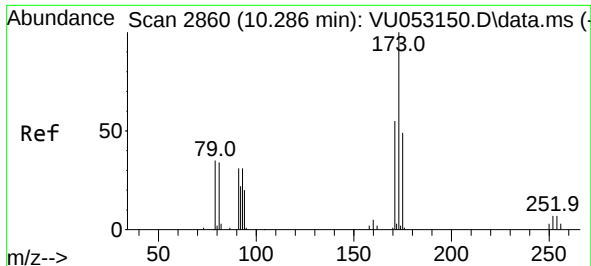
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#66  
Styrene  
Concen: 0.849 ug/l  
RT: 10.112 min Scan# 2806  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

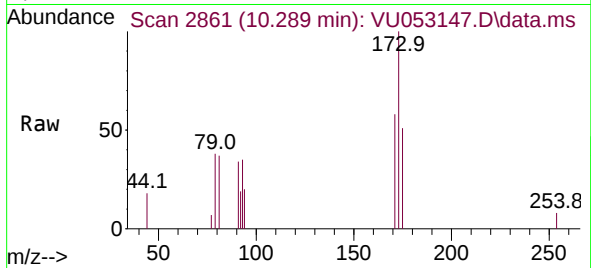
Tgt Ion:104 Resp: 18247  
Ion Ratio Lower Upper  
104 100  
78 53.8 43.3 64.9  
103 55.9 45.2 67.8





#67  
Bromoform  
Concen: 0.818 ug/l  
RT: 10.289 min Scan# 2860  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

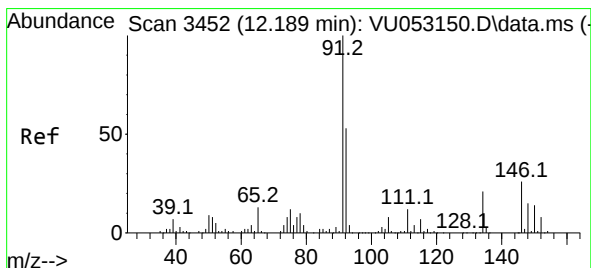
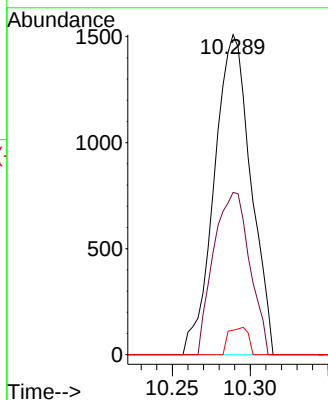
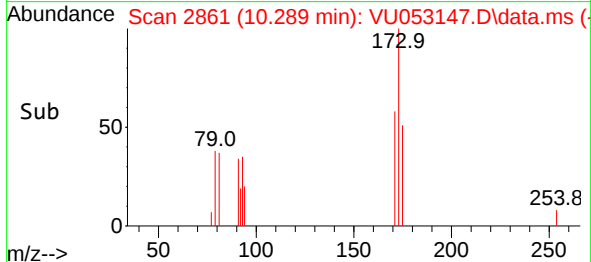
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



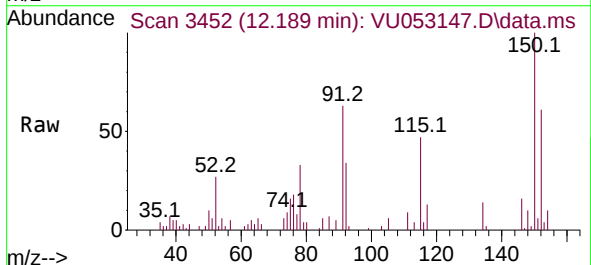
Tgt Ion:173 Resp: 2460  
Ion Ratio Lower Upper  
173 100  
175 49.9 38.7 58.1  
254 4.6 5.8 8.8

Manual Integrations  
APPROVED

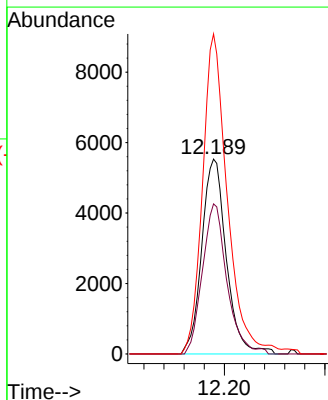
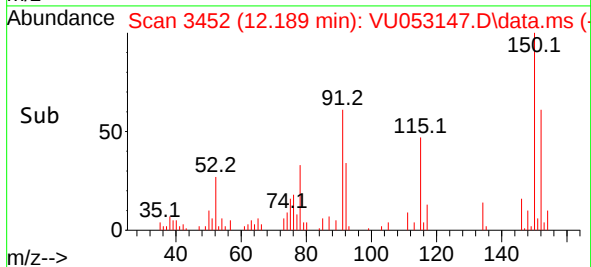
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023

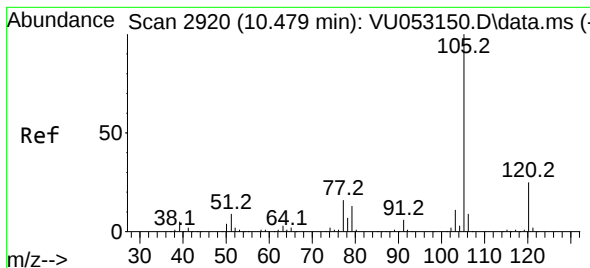


#68  
1,2-Dichlorobenzene-d4  
Concen: 0.974 ug/l  
RT: 12.189 min Scan# 3452  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38



Tgt Ion:152 Resp: 9366  
Ion Ratio Lower Upper  
152 100  
115 76.1 0.0 267.8  
150 165.5 0.0 623.0





#69

Isopropylbenzene

Concen: 0.867 ug/l

RT: 10.482 min Scan# 2920

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 3149

Ion Ratio Lower Upper

105 100

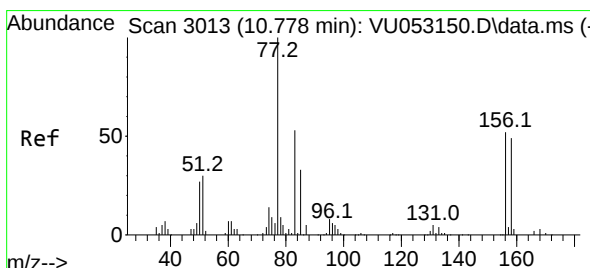
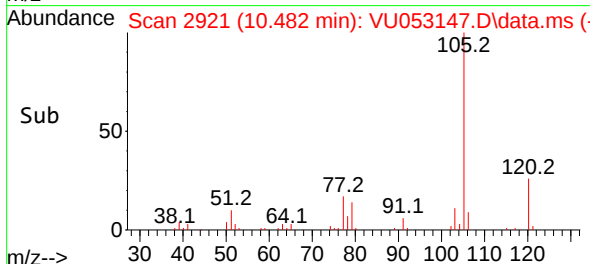
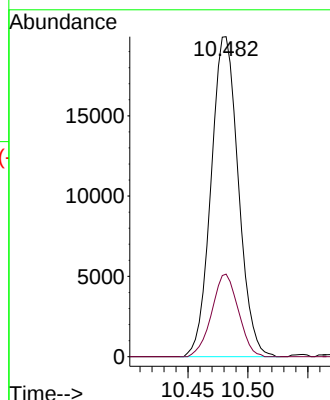
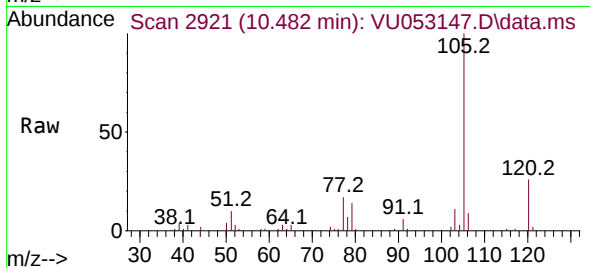
120 25.1 12.6 37.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#70

1,1,2,2-Tetrachloroethane

Concen: 0.895 ug/l

RT: 10.778 min Scan# 3013

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

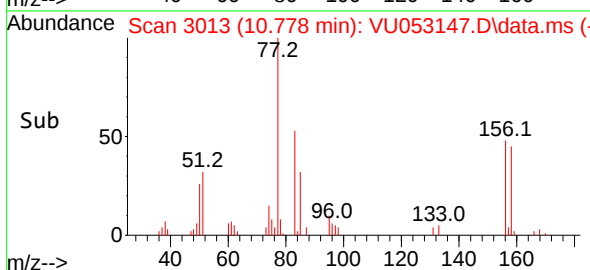
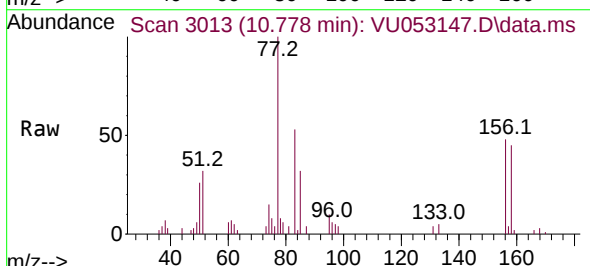
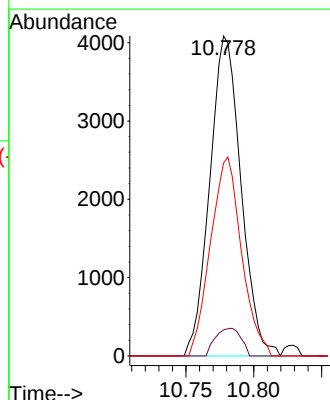
Tgt Ion: 83 Resp: 6538

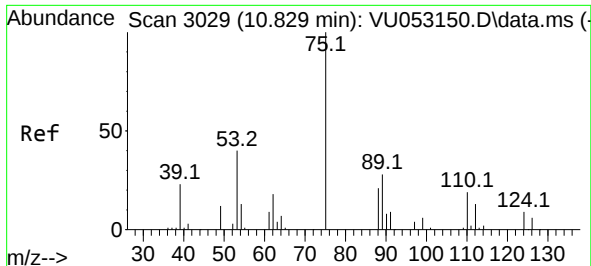
Ion Ratio Lower Upper

83 100

131 7.0 6.6 9.8

85 61.7 49.3 73.9





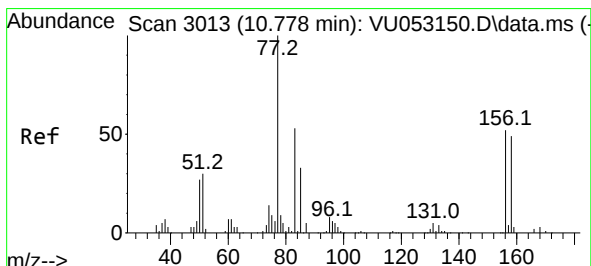
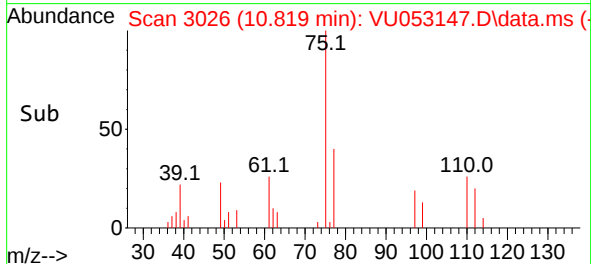
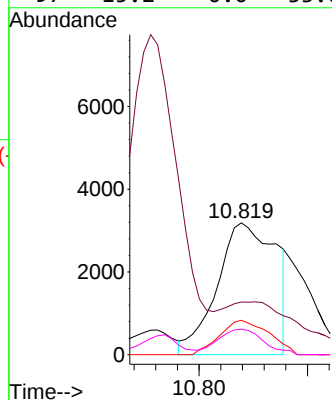
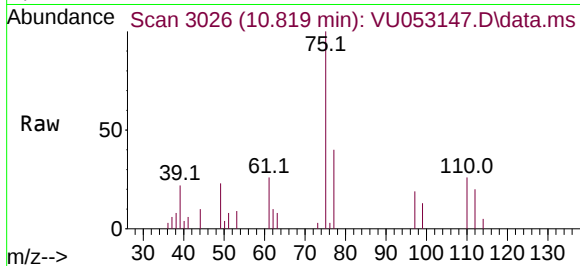
#71  
1,2,3-Trichloropropane  
Concen: 0.983 ug/l m  
RT: 10.819 min Scan# 3029  
Delta R.T. -0.010 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 598   |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 0.0      | 0.0 98.2    |
| 110 21.9    | 0.0 57.0    |
| 97 15.2     | 0.0 33.6    |

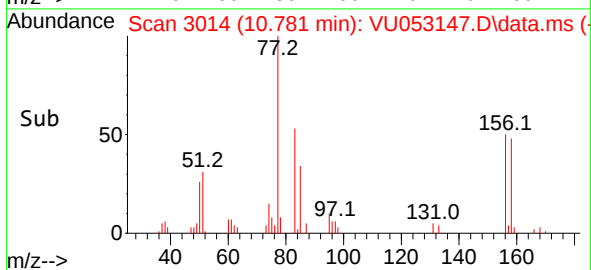
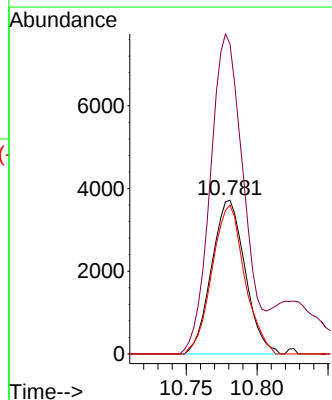
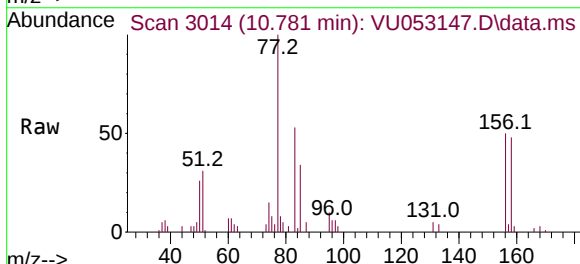
Manual Integrations  
APPROVED

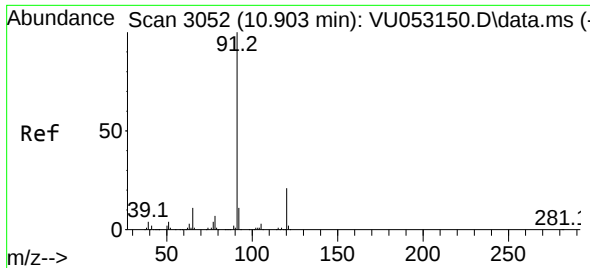
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#72  
Bromobenzene  
Concen: 0.867 ug/l  
RT: 10.781 min Scan# 3014  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

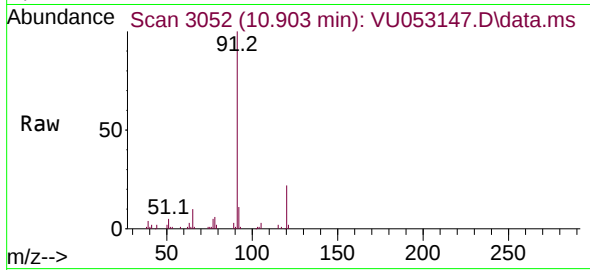
|             |             |
|-------------|-------------|
| Tgt Ion:156 | Resp: 6110  |
| Ion Ratio   | Lower Upper |
| 156 100     |             |
| 77 207.7    | 0.0 397.0   |
| 158 94.4    | 0.0 189.2   |





#73  
n-propylbenzene  
Concen: 0.867 ug/l  
RT: 10.903 min Scan# 3052  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

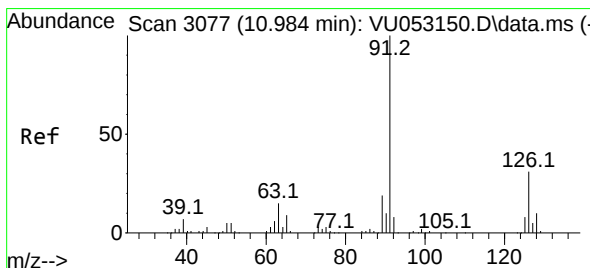
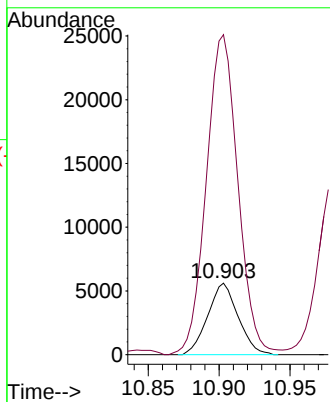
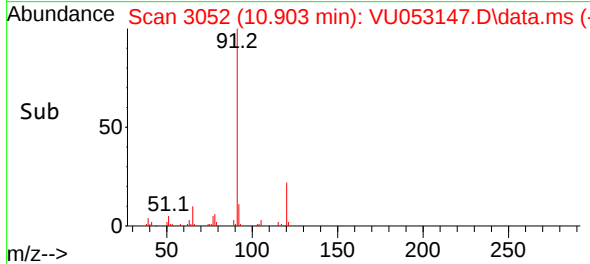
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



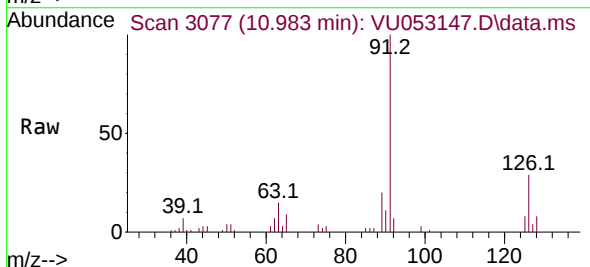
Tgt Ion:120 Resp: 835  
Ion Ratio Lower Upper  
120 100  
91 465.8 372.5 558.7

Manual Integrations  
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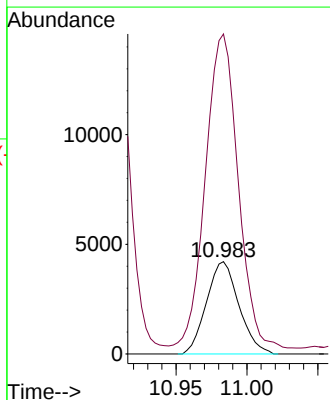
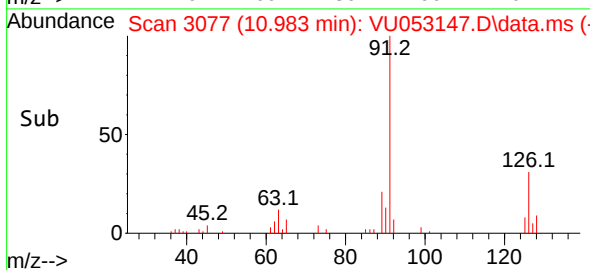
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023

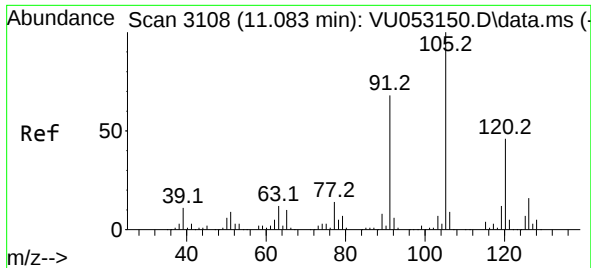


#74  
2-Chlorotoluene  
Concen: 0.838 ug/l  
RT: 10.983 min Scan# 3077  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38



Tgt Ion:126 Resp: 6684  
Ion Ratio Lower Upper  
126 100  
91 348.3 0.0 658.6





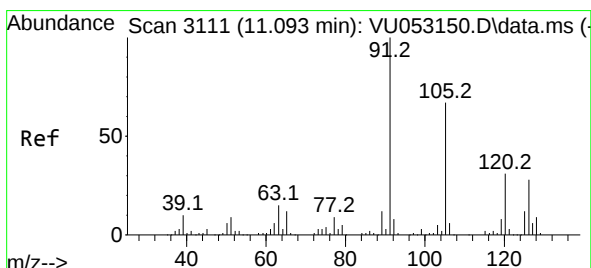
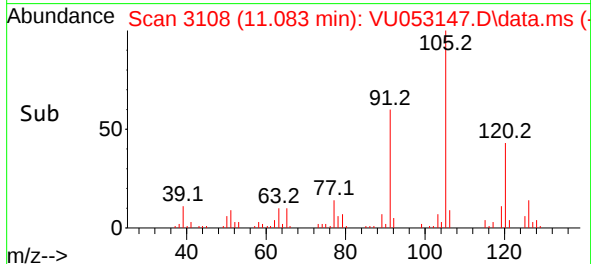
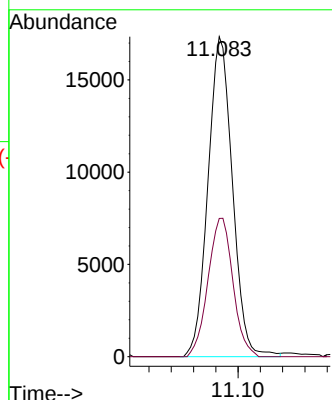
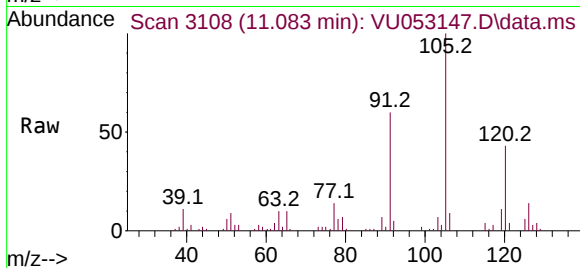
#75  
1,3,5-Trimethylbenzene  
Concen: 0.873 ug/l  
RT: 11.083 min Scan# 3108  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion:105 Resp: 26390  
Ion Ratio Lower Upper  
105 100  
120 44.1 36.5 54.7

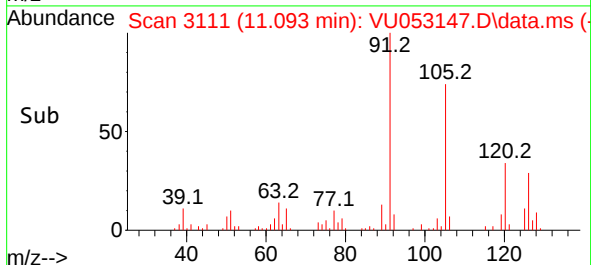
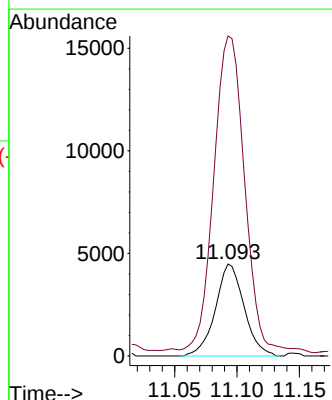
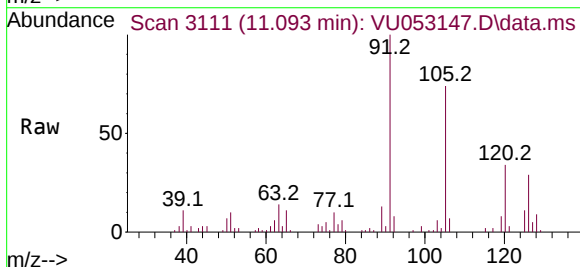
Manual Integrations  
APPROVED

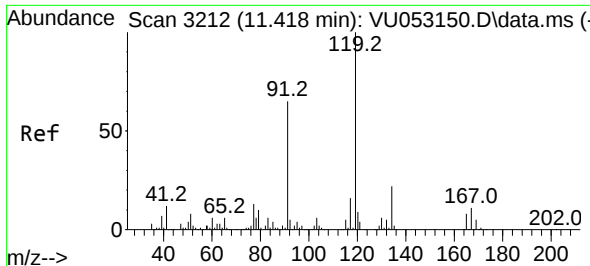
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#76  
4-Chlorotoluene  
Concen: 0.855 ug/l  
RT: 11.093 min Scan# 3111  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

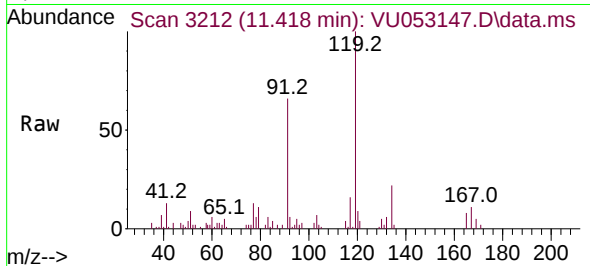
Tgt Ion:126 Resp: 7170  
Ion Ratio Lower Upper  
126 100  
91 374.7 0.0 760.6





#77  
tert-Butylbenzene  
Concen: 0.861 ug/l  
RT: 11.418 min Scan# 3212  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

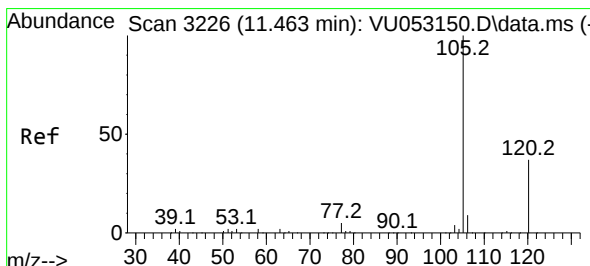
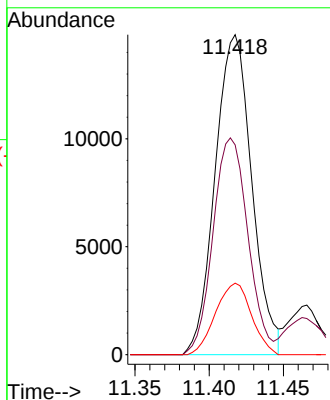
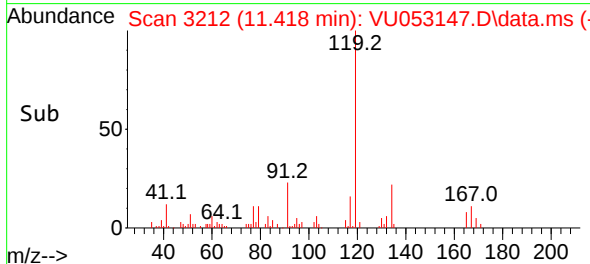
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



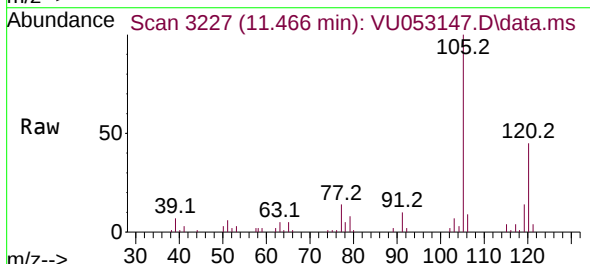
Tgt Ion:119 Resp: 25490  
Ion Ratio Lower Upper  
119 100  
91 64.5 31.9 95.7  
134 21.9 17.4 26.0

Manual Integrations  
APPROVED

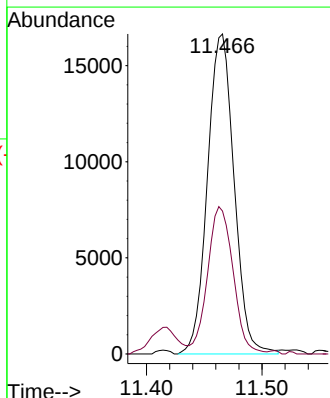
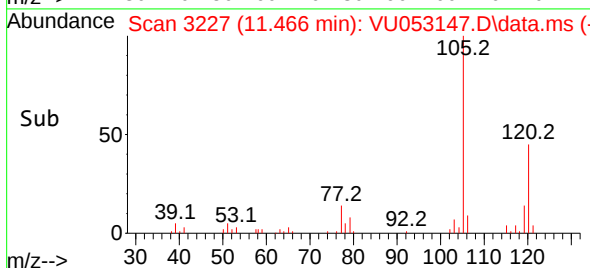
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023

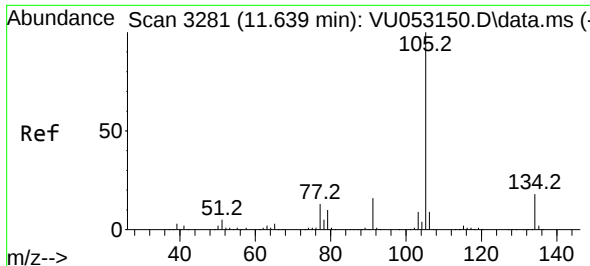


#78  
1,2,4-Trimethylbenzene  
Concen: 0.867 ug/l  
RT: 11.466 min Scan# 3227  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38



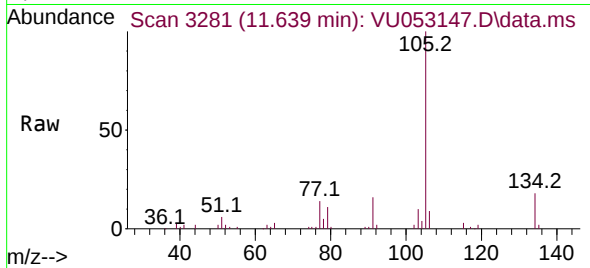
Tgt Ion:105 Resp: 26701  
Ion Ratio Lower Upper  
105 100  
120 43.0 21.1 63.1





#79  
 sec-Butylbenzene  
 Concen: 0.840 ug/l  
 RT: 11.639 min Scan# 3111  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

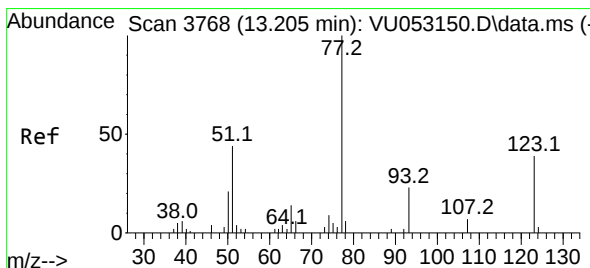
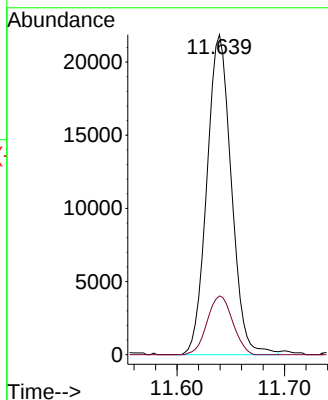
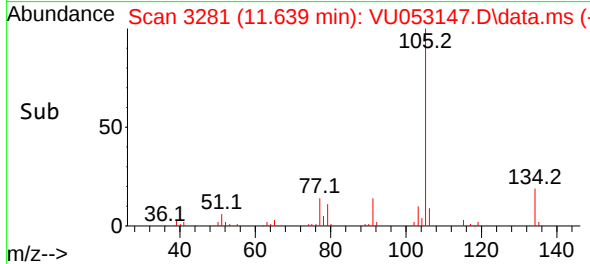
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001



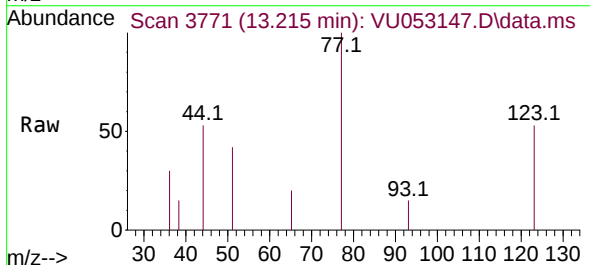
Tgt Ion:105 Resp: 3450  
 Ion Ratio Lower Upper  
 105 100  
 134 19.1 14.4 21.6

Manual Integrations  
 APPROVED

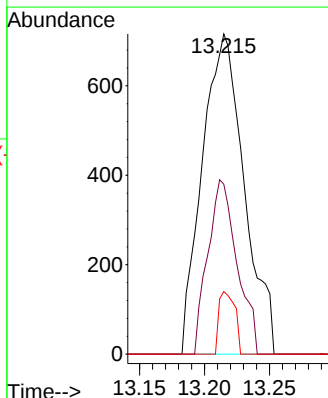
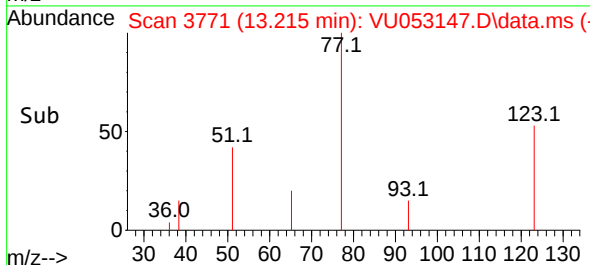
Reviewed By :Krupa Patel 02/28/2023  
 Supervised By :Mahesh Dadoda 02/28/2023

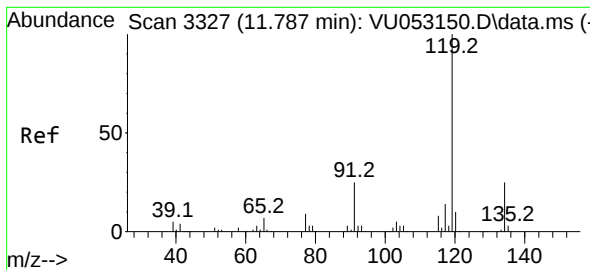


#80  
 Nitrobenzene  
 Concen: 4.210 ug/l  
 RT: 13.215 min Scan# 3771  
 Delta R.T. 0.010 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38



Tgt Ion: 77 Resp: 1608  
 Ion Ratio Lower Upper  
 77 100  
 123 38.1 17.0 60.2  
 65 7.3 12.9 16.5#





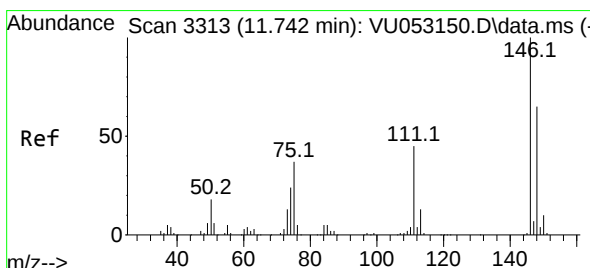
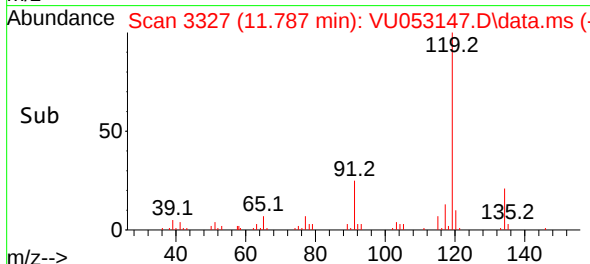
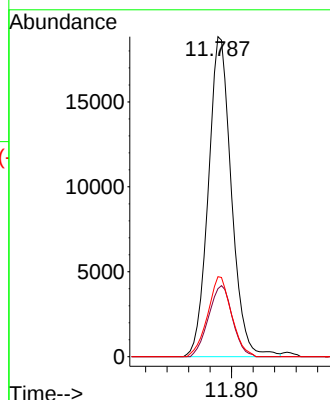
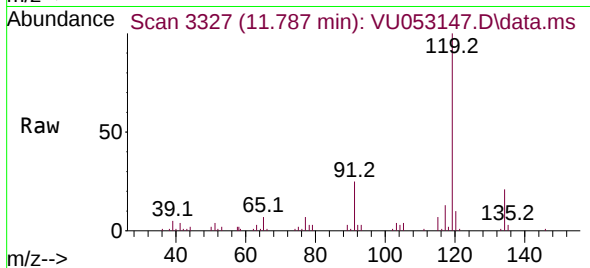
#81  
p-Isopropyltoluene  
Concen: 0.862 ug/l  
RT: 11.787 min Scan# 3327  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion:119 Resp: 28040  
Ion Ratio Lower Upper  
119 100  
134 22.9 19.8 29.6  
91 25.7 20.5 30.7

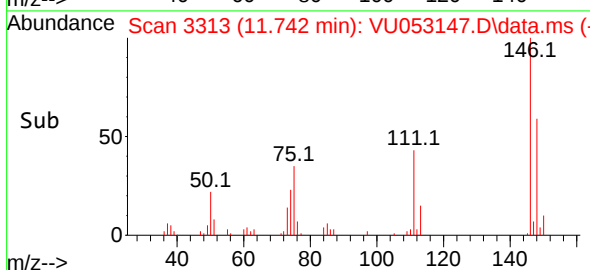
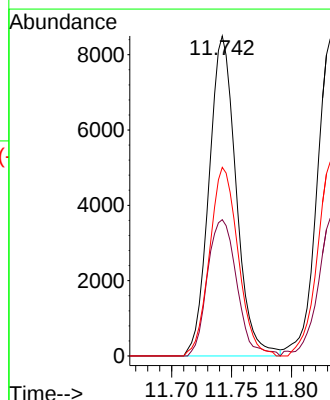
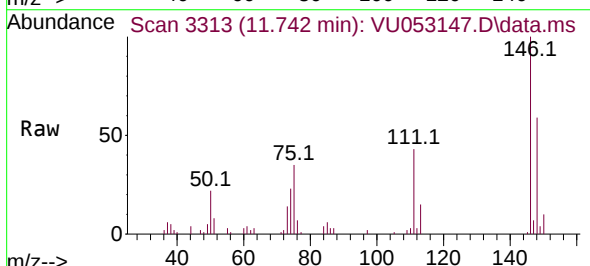
Manual Integrations  
APPROVED

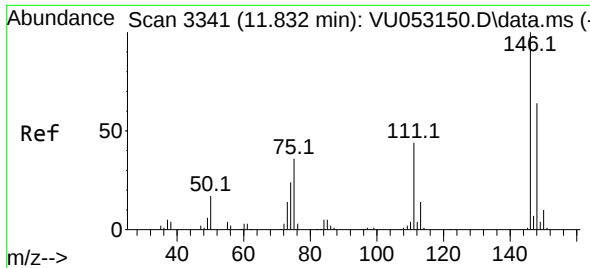
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#82  
1,3-Dichlorobenzene  
Concen: 0.865 ug/l  
RT: 11.742 min Scan# 3313  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

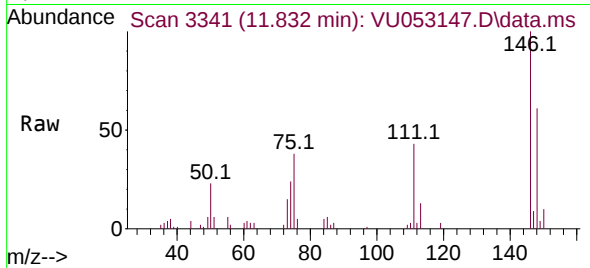
Tgt Ion:146 Resp: 13376  
Ion Ratio Lower Upper  
146 100  
111 46.0 36.0 54.0  
148 61.9 50.8 76.2





#83  
1,4-Dichlorobenzene  
Concen: 0.873 ug/l  
RT: 11.832 min Scan# 3341  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

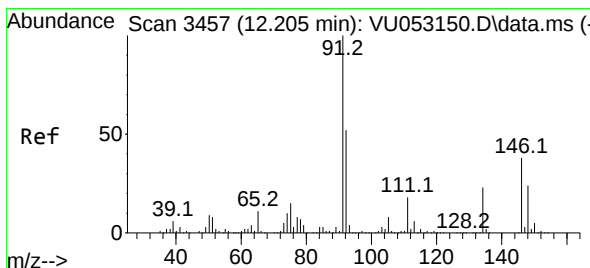
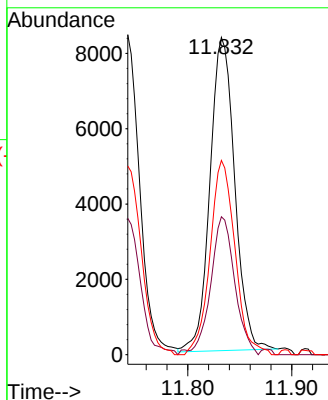
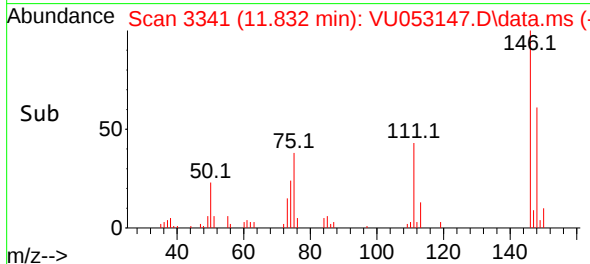
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



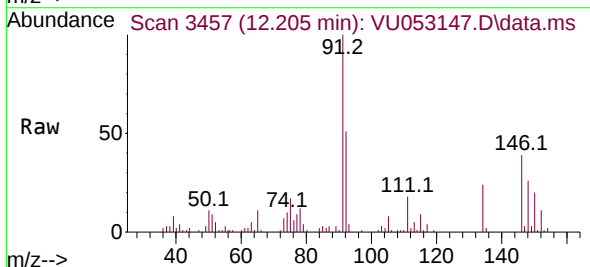
Tgt Ion:146 Resp: 13789  
Ion Ratio Lower Upper  
146 100  
111 42.9 34.0 51.0  
148 62.4 49.8 74.6

Manual Integrations  
APPROVED

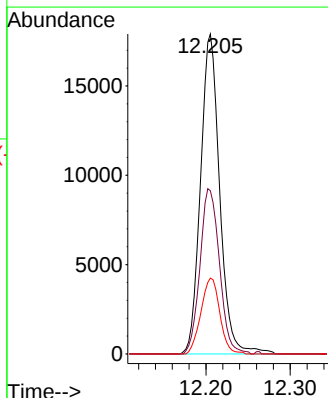
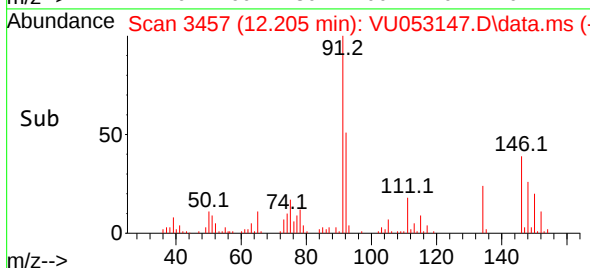
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023

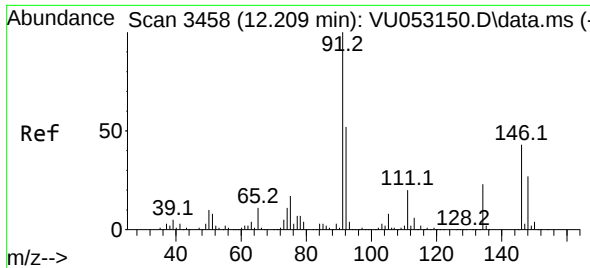


#84  
n-Butylbenzene  
Concen: 0.842 ug/l  
RT: 12.205 min Scan# 3457  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38



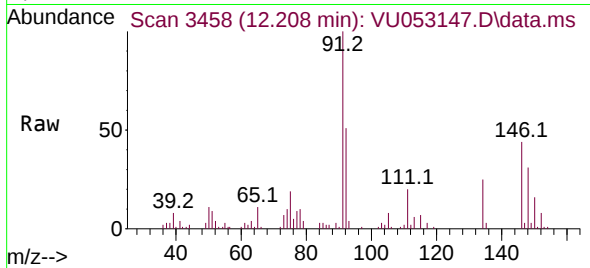
Tgt Ion: 91 Resp: 28382  
Ion Ratio Lower Upper  
91 100  
92 52.4 41.8 62.6  
134 23.3 17.9 26.9





#85  
1,2-Dichlorobenzene  
Concen: 0.866 ug/l  
RT: 12.208 min Scan# 3458  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

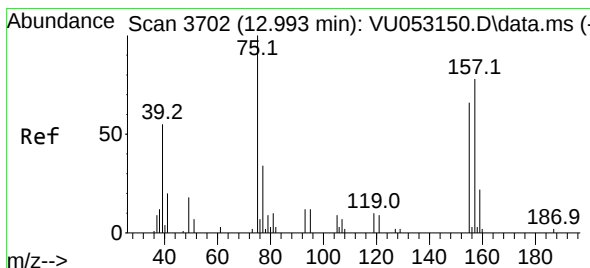
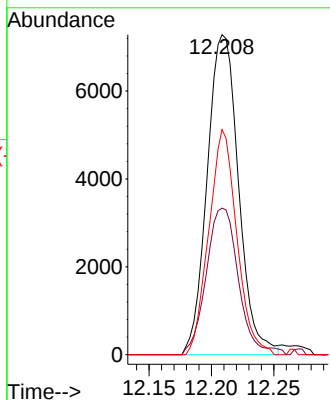
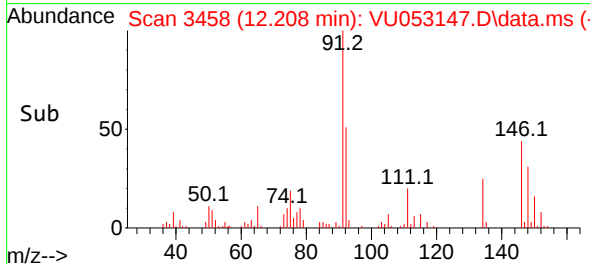
Instrument : MSVOA\_U  
ClientSampleId : VSTDIC001



Tgt Ion:146 Resp: 12769  
Ion Ratio Lower Upper  
146 100  
111 47.0 23.2 69.6  
148 62.9 31.4 94.3

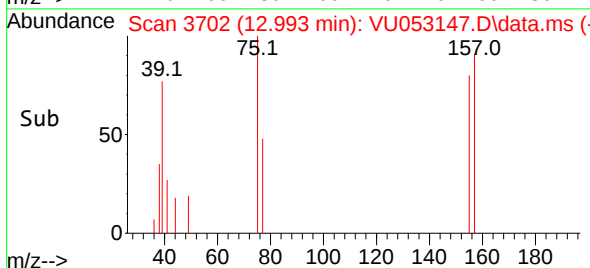
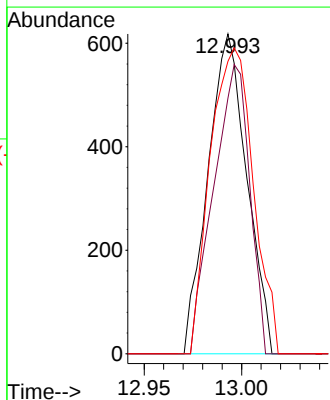
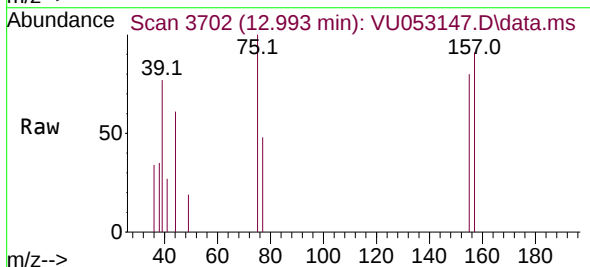
Manual Integrations  
APPROVED

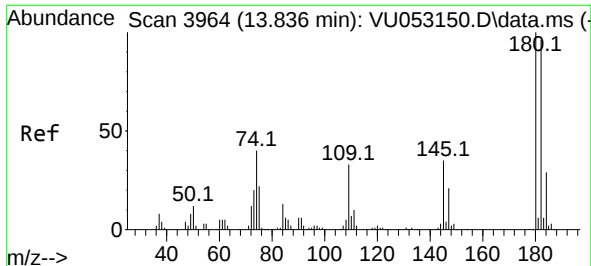
Reviewed By :Krupa Patel 02/28/2023  
Supervised By :Mahesh Dadoda 02/28/2023



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.991 ug/l  
RT: 12.993 min Scan# 3702  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion: 75 Resp: 856  
Ion Ratio Lower Upper  
75 100  
155 83.6 53.4 80.0#  
157 106.1 61.7 92.5#





#87

1,2,4-Trichlorobenzene

Concen: 0.831 ug/l

RT: 13.839 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion:180 Resp: 7518

Ion Ratio Lower Upper

180 100

182 99.4 77.4 116.0

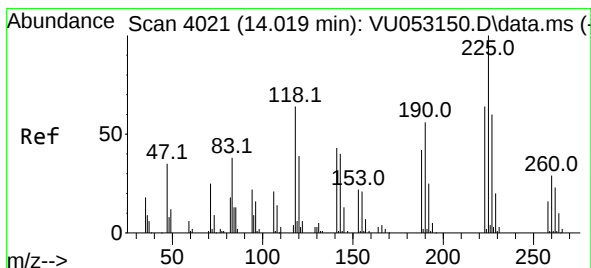
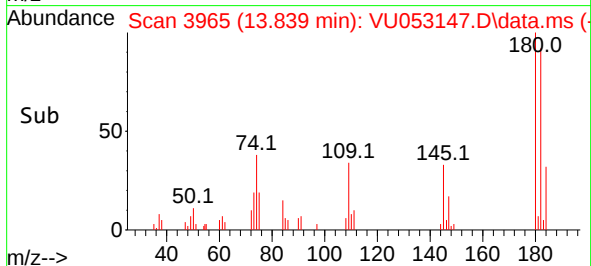
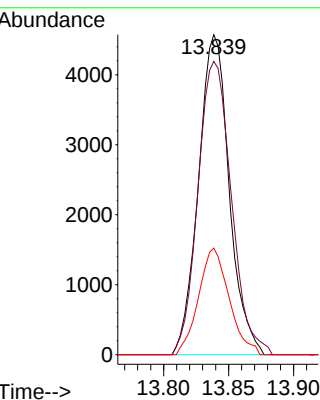
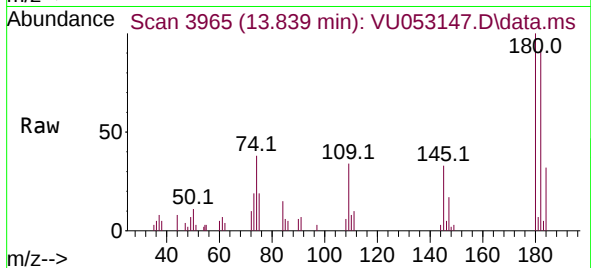
145 33.1 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#88

Hexachlorobutadiene

Concen: 0.898 ug/l

RT: 14.015 min Scan# 4020

Delta R.T. -0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

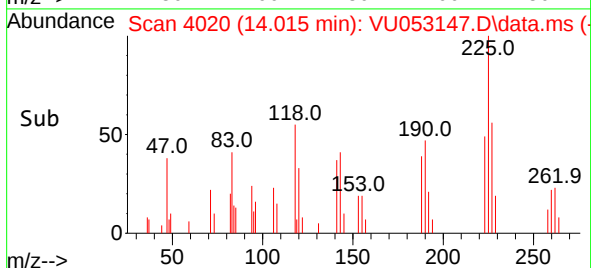
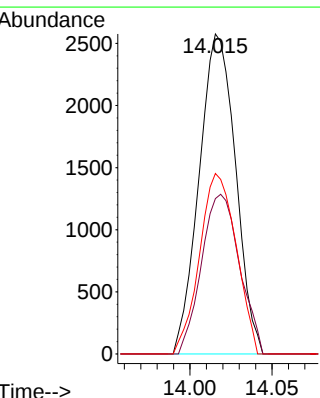
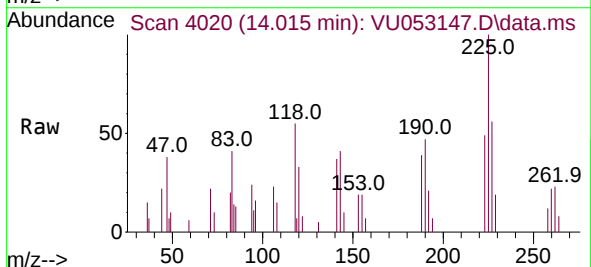
Tgt Ion:225 Resp: 3968

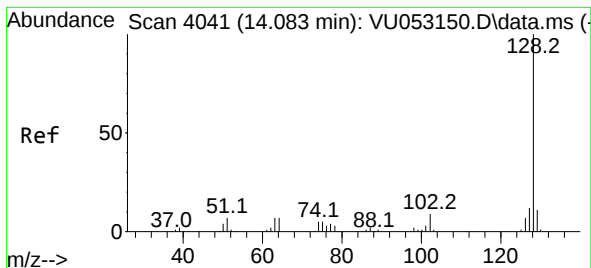
Ion Ratio Lower Upper

225 100

223 52.2 51.1 76.7

227 56.7 49.9 74.9





#89

Naphthalene

Concen: 0.829 ug/l

RT: 14.086 min Scan# 4041

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

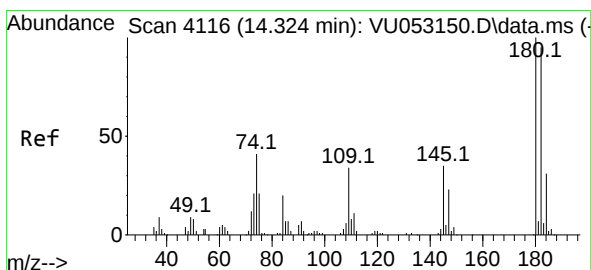
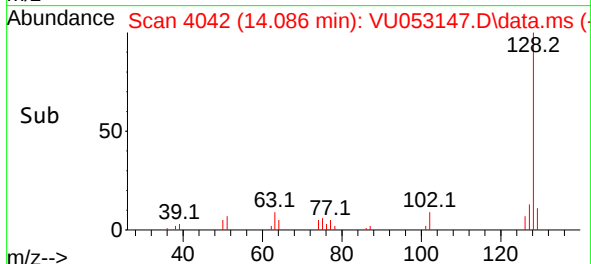
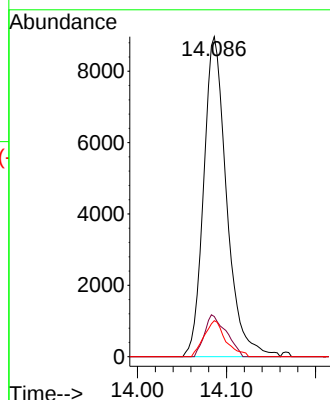
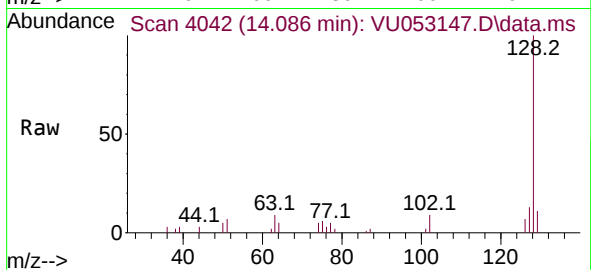
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:128 | Resp: | 1605     |
| Ion Ratio   | Lower | Upper    |
| 128         | 100   |          |
| 127         | 12.3  | 9.9 14.9 |
| 129         | 10.5  | 8.3 12.5 |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#90

1,2,3-Trichlorobenzene

Concen: 0.866 ug/l

RT: 14.327 min Scan# 4117

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 6895       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 91.2  | 76.6 115.0 |
| 145         | 35.4  | 29.0 43.6  |

