

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020524\  
 Data File : VU057803.D  
 Acq On : 05 Feb 2024 12:13  
 Operator : MD/SY  
 Sample : VSTDICC001  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/14/2024  
 Supervised By : Mahesh Dadoda 02/14/2024

Quant Time: Feb 06 01:01:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U020524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Feb 06 00:58:29 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units    | Dev(Min) |
|------------------------------|--------|------|----------|-------|----------|----------|
| -----                        |        |      |          |       |          |          |
| Internal Standards           |        |      |          |       |          |          |
| 1) Fluorobenzene             | 6.110  | 96   | 42868    | 1.000 | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |          |          |
| 57) 4-Bromofluorobenzene     | 10.630 | 95   | 15931    | 1.001 | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 100.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.190 | 152  | 14049    | 0.986 | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 99.000%  |          |
| Target Compounds             |        |      |          |       |          |          |
|                              |        |      |          |       |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 12602    | 0.884 | ug/l     | 97       |
| 3) Chloromethane             | 1.518  | 50   | 11981    | 0.871 | ug/l     | 97       |
| 4) Vinyl Chloride            | 1.602  | 62   | 12318    | 0.881 | ug/l     | 99       |
| 5) Bromomethane              | 1.856  | 94   | 7808     | 0.954 | ug/l     | 91       |
| 6) Chloroethane              | 1.930  | 64   | 8408     | 0.955 | ug/l     | 100      |
| 7) Trichlorofluoromethane    | 2.136  | 101  | 18461    | 0.901 | ug/l     | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101  | 8995     | 0.821 | ug/l     | 94       |
| 9) 1,1-Dichloroethene        | 2.576  | 96   | 9042     | 0.856 | ug/l     | 97       |
| 10) Iodomethane              | 2.717  | 142  | 15023    | 1.169 | ug/l     | 97       |
| 11) Allyl Chloride           | 2.917  | 41   | 13831    | 0.947 | ug/l     | 89       |
| 12) Acrylonitrile            | 3.316  | 53   | 3810     | 2.039 | ug/l     | # 91     |
| 13) Acetone                  | 2.634  | 43   | 19690    | 6.059 | ug/l     | 99       |
| 14) Carbon Disulfide         | 2.788  | 76   | 29068    | 0.858 | ug/l     | 97       |
| 15) Methylene Chloride       | 3.039  | 84   | 13342    | 1.052 | ug/l     | 95       |
| 16) trans-1,2-Dichloroethene | 3.344  | 96   | 10237    | 0.888 | ug/l     | 92       |
| 17) 1,1-Dichloroethane       | 3.859  | 63   | 19830    | 0.901 | ug/l     | 99       |
| 18) 2-Butanone               | 4.714  | 43   | 18649    | 5.245 | ug/l     | 100      |
| 19) Cyclohexane              | 5.377  | 56   | 15739    | 0.909 | ug/l     | 91       |
| 20) Methylcyclohexane        | 6.756  | 83   | 17338    | 0.838 | ug/l     | 99       |
| 21) 2,2-Dichloropropane      | 4.653  | 77   | 18502    | 0.953 | ug/l     | 94       |
| 22) cis-1,2-Dichloroethene   | 4.660  | 96   | 10677    | 0.848 | ug/l     | 89       |
| 23) Diethyl Ether            | 2.370  | 59   | 6806     | 0.881 | ug/l     | 96       |
| 24) tert-Butyl Alcohol       | 3.209  | 59   | 7263     | 9.188 | ug/l     | # 1      |
| 25) Methyl tert-Butyl Ether  | 3.357  | 73   | 24095    | 0.960 | ug/l     | 92       |
| 26) Bromochloromethane       | 4.968  | 128  | 4514     | 0.893 | ug/l     | 95       |
| 27) Chloroform               | 5.081  | 83   | 20236    | 0.891 | ug/l     | 99       |
| 28) 1,1,1-Trichloroethane    | 5.309  | 97   | 18075    | 0.885 | ug/l     | 98       |
| 29) 1,1-Dichloropropene      | 5.515  | 75   | 14992    | 0.903 | ug/l     | 93       |
| 30) Carbon Tetrachloride     | 5.515  | 117  | 15404    | 0.873 | ug/l     | 96       |
| 31) Isopropyl Ether          | 3.988  | 45   | 30511    | 0.938 | ug/l     | 94       |
| 32) Ethyl-t-butyl ether      | 4.499  | 59   | 30435    | 1.008 | ug/l     | 99       |
| 33) Tert-Amyl methyl ether   | 5.939  | 73   | 25069    | 0.985 | ug/l     | 97       |
| 34) Propionitrile            | 4.788  | 54   | 3813     | 5.192 | ug/l     | # 8      |
| 35) Benzene                  | 5.766  | 78   | 42208    | 0.882 | ug/l     | 95       |
| 36) 1,2-Dichloroethane       | 5.791  | 62   | 12225    | 0.874 | ug/l     | 96       |
| 37) Trichloroethene          | 6.537  | 130  | 10523    | 0.832 | ug/l     | 98       |
| 38) 1,2-Dichloropropane      | 6.788  | 63   | 11329    | 0.908 | ug/l     | 99       |
| 39) Methacrylonitrile        | 4.975  | 41   | 3077     | 1.024 | ug/l     | 96       |
| 40) Methyl acrylate          | 4.852  | 55   | 4495     | 1.000 | ug/l     | # 92     |
| 41) Tetrahydrofuran          | 5.068  | 42   | 3507     | 2.219 | ug/l     | 92       |
| 42) 1-Chlorobutane           | 5.451  | 56   | 20104    | 0.917 | ug/l     | 95       |
| 43) Dibromomethane           | 6.917  | 93   | 5096     | 0.892 | ug/l     | # 86     |
| 44) Bromodichloromethane     | 7.103  | 83   | 14051    | 0.879 | ug/l     | 99       |

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 Sample : VSTDICC001  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

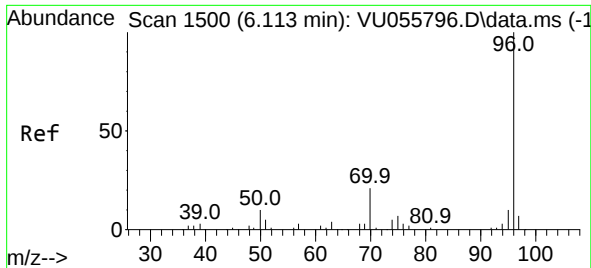
Reviewed By : John Carlone 02/14/2024  
 Supervised By : Mahesh Dadoda 02/14/2024

Quant Time: Feb 06 01:01:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U020524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Feb 06 00:58:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.794  | 43   | 28206    | 4.813 | ug/l  | 97       |
| 46) t-1,4-Dichloro-2-butene   | 10.839 | 75   | 2524m    | 1.528 | ug/l  |          |
| 47) Methyl methacrylate       | 6.971  | 69   | 9142     | 1.799 | ug/l  | 93       |
| 48) Ethyl methacrylate        | 8.335  | 69   | 9334     | 0.923 | ug/l  | 89       |
| 49) Toluene                   | 7.965  | 92   | 25762    | 0.882 | ug/l  | 97       |
| 50) t-1,3-Dichloropropene     | 8.209  | 75   | 12287    | 0.885 | ug/l  | 97       |
| 51) cis-1,3-Dichloropropene   | 7.605  | 75   | 15475    | 0.884 | ug/l  | 96       |
| 52) 1,1,2-Trichloroethane     | 8.396  | 97   | 6907     | 0.874 | ug/l  | 92       |
| 53) 1,3-Dichloropropane       | 8.573  | 76   | 12910    | 0.906 | ug/l  | 99       |
| 54) 2-Hexanone                | 8.688  | 43   | 26804    | 4.835 | ug/l  | 98       |
| 55) Dibromochloromethane      | 8.804  | 129  | 8286     | 0.852 | ug/l  | 97       |
| 56) 1,2-Dibromoethane         | 8.920  | 107  | 6962     | 0.960 | ug/l  | 92       |
| 58) Tetrachloroethene         | 8.547  | 164  | 9744     | 0.873 | ug/l  | 96       |
| 59) Chlorobenzene             | 9.444  | 112  | 28135    | 0.876 | ug/l  | 97       |
| 60) 1,1,1,2-Tetrachloroethane | 9.528  | 131  | 9403     | 0.859 | ug/l  | 98       |
| 61) Pentachloroethane         | 11.421 | 117  | 7023     | 0.893 | ug/l  | 96       |
| 62) Hexachloroethane          | 12.470 | 117  | 7967     | 0.917 | ug/l  | 93       |
| 63) Ethyl Benzene             | 9.563  | 91   | 49729    | 0.869 | ug/l  | 98       |
| 64) m/p-Xylenes               | 9.688  | 106  | 36593    | 1.763 | ug/l  | 100      |
| 65) o-Xylene                  | 10.097 | 106  | 17953    | 0.874 | ug/l  | 95       |
| 66) Styrene                   | 10.113 | 104  | 27172    | 0.885 | ug/l  | 95       |
| 67) Bromoform                 | 10.286 | 173  | 4131     | 0.835 | ug/l  | 98       |
| 69) Isopropylbenzene          | 10.479 | 105  | 47221    | 0.878 | ug/l  | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 8445     | 0.864 | ug/l  | 96       |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 7571m    | 0.945 | ug/l  |          |
| 72) Bromobenzene              | 10.778 | 156  | 10497    | 0.893 | ug/l  | 98       |
| 73) n-propylbenzene           | 10.900 | 120  | 12380    | 0.912 | ug/l  | 99       |
| 74) 2-Chlorotoluene           | 10.981 | 126  | 10744    | 0.861 | ug/l  | 94       |
| 75) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 39453    | 0.852 | ug/l  | 100      |
| 76) 4-Chlorotoluene           | 11.093 | 126  | 10626    | 0.845 | ug/l  | 93       |
| 77) tert-Butylbenzene         | 11.415 | 119  | 37726    | 0.867 | ug/l  | 97       |
| 78) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 41102    | 0.876 | ug/l  | 96       |
| 79) sec-Butylbenzene          | 11.637 | 105  | 51188    | 0.912 | ug/l  | 99       |
| 80) Nitrobenzene              | 13.206 | 77   | 1192     | 5.860 | ug/l  | 77       |
| 81) p-Isopropyltoluene        | 11.788 | 119  | 41697    | 0.889 | ug/l  | 98       |
| 82) 1,3-Dichlorobenzene       | 11.743 | 146  | 20652    | 0.867 | ug/l  | 97       |
| 83) 1,4-Dichlorobenzene       | 11.833 | 146  | 20701    | 0.887 | ug/l  | 98       |
| 84) n-Butylbenzene            | 12.203 | 91   | 38803    | 0.871 | ug/l  | 98       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 19482    | 0.895 | ug/l  | 94       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.990 | 75   | 1282     | 0.939 | ug/l  | 96       |
| 87) 1,2,4-Trichlorobenzene    | 13.836 | 180  | 11396    | 0.882 | ug/l  | 95       |
| 88) Hexachlorobutadiene       | 14.016 | 225  | 7317     | 0.880 | ug/l  | 100      |
| 89) Naphthalene               | 14.084 | 128  | 19640    | 0.983 | ug/l  | 98       |
| 90) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 10359    | 0.953 | ug/l  | 99       |

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





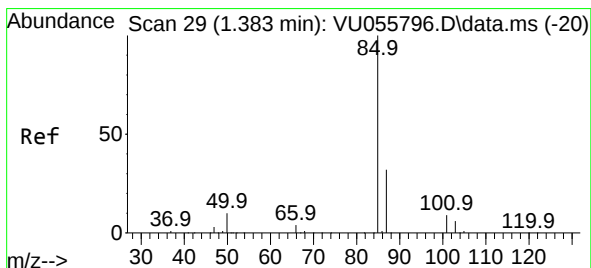
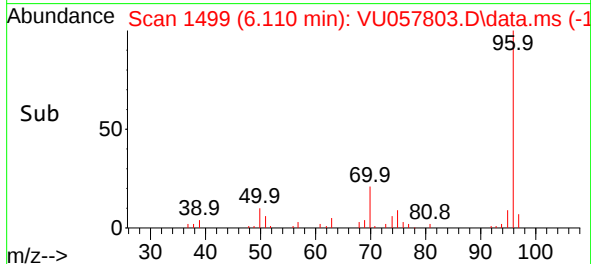
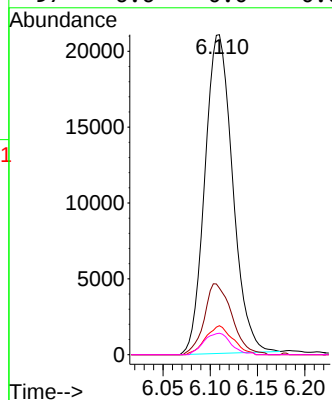
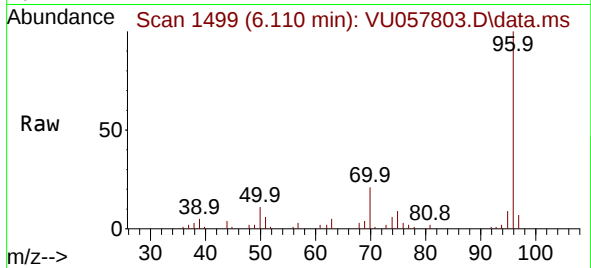
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Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.110 min Scan# 14  
Delta R.T. 0.007 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 96 Resp: 4286  
Ion Ratio Lower Upper  
96 100  
70 22.1 16.5 24.7  
95 8.9 7.4 11.0  
97 6.6 0.0 0.0#

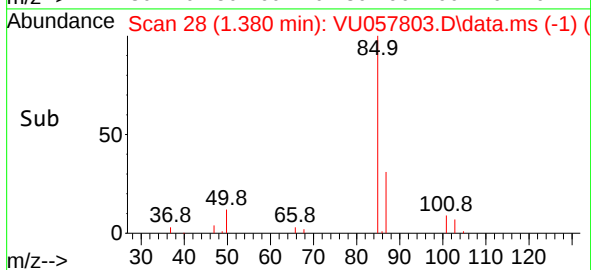
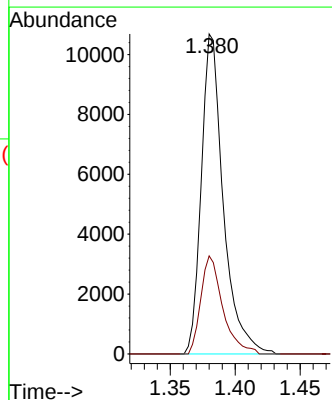
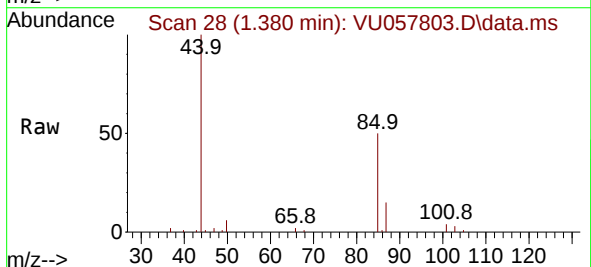
Manual Integrations  
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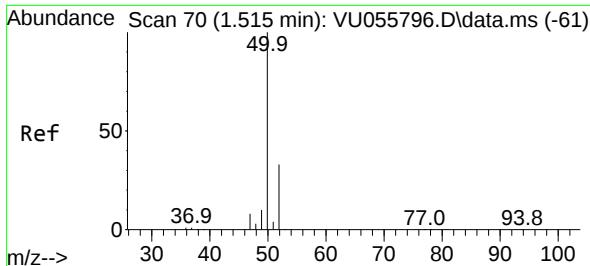
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#2  
Dichlorodifluoromethane  
Concen: 0.884 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

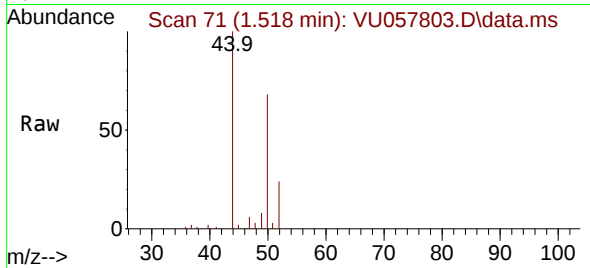
Tgt Ion: 85 Resp: 12602  
Ion Ratio Lower Upper  
85 100  
87 30.7 16.2 48.6





#3  
Chloromethane  
Concen: 0.871 ug/l  
RT: 1.518 min Scan# 71  
Delta R.T. -0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

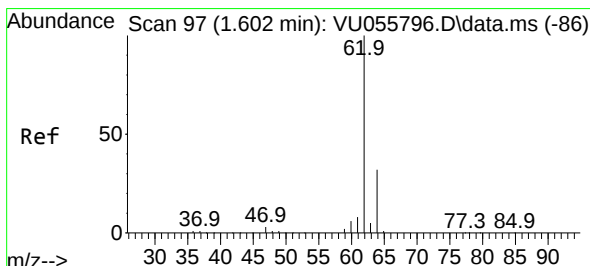
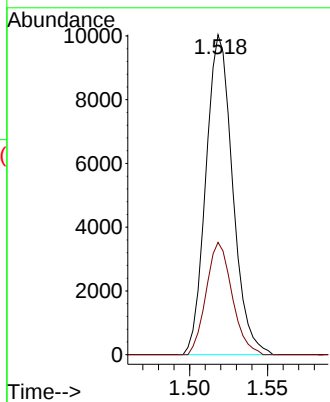
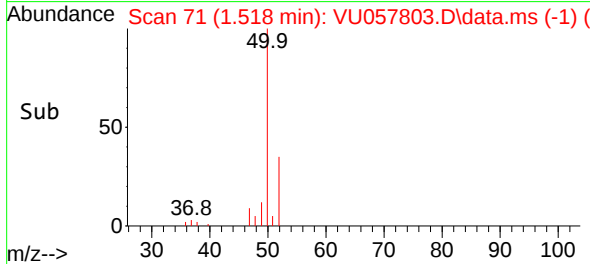
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



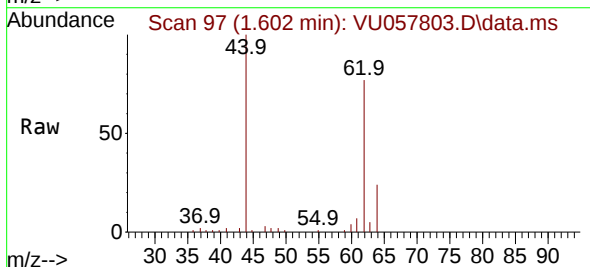
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Ion Ratio Lower Upper  
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Manual Integrations  
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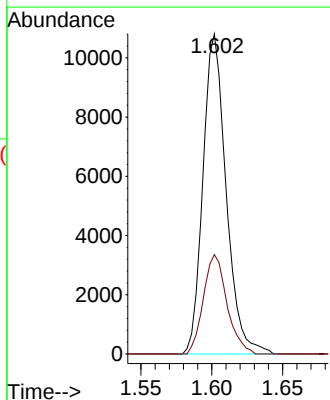
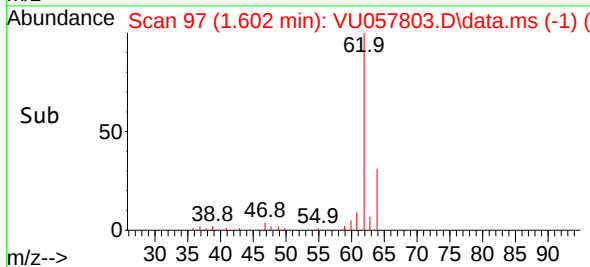
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024

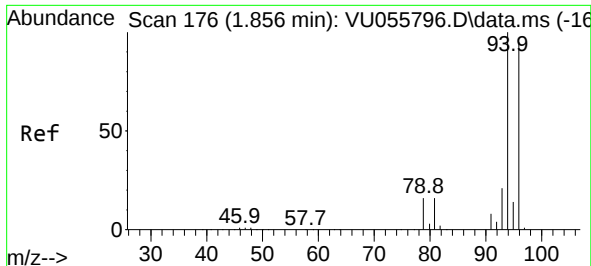


#4  
Vinyl Chloride  
Concen: 0.881 ug/l  
RT: 1.602 min Scan# 97  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



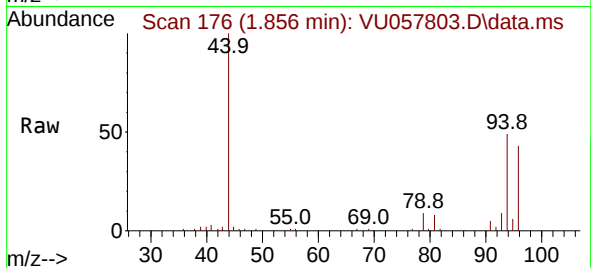
Tgt Ion: 62 Resp: 12318  
Ion Ratio Lower Upper  
62 100  
64 31.0 25.4 38.2





#5  
Bromomethane  
Concen: 0.954 ug/l  
RT: 1.856 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

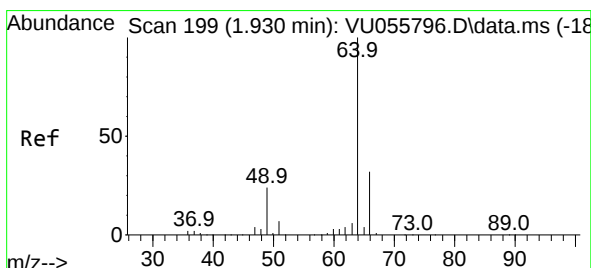
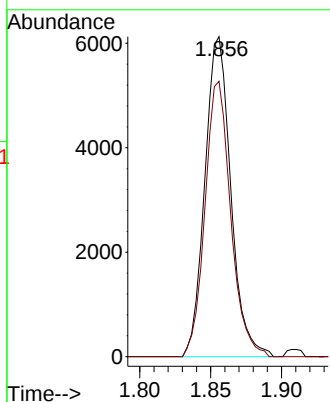
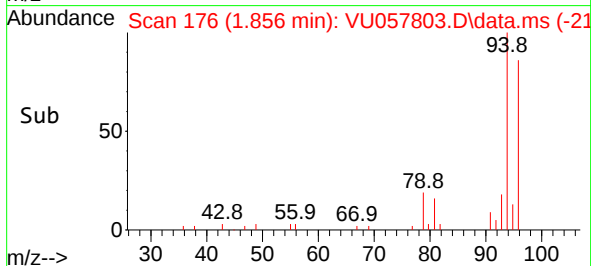
Instrument :  
MSVOA\_U  
ClientSampleId :  
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Tgt Ion: 94 Resp: 7808  
Ion Ratio Lower Upper  
94 100  
96 86.0 75.4 113.2

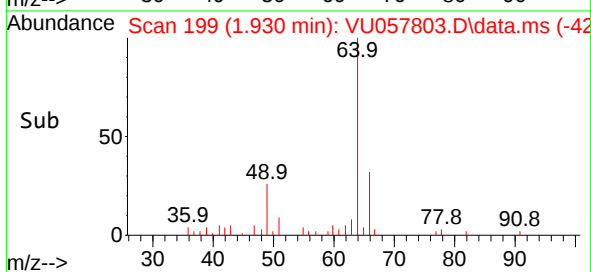
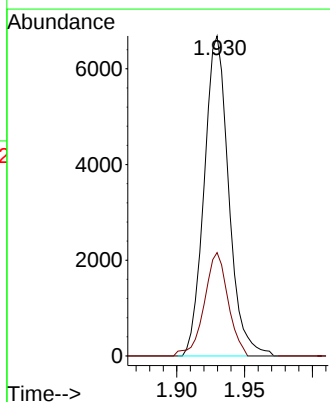
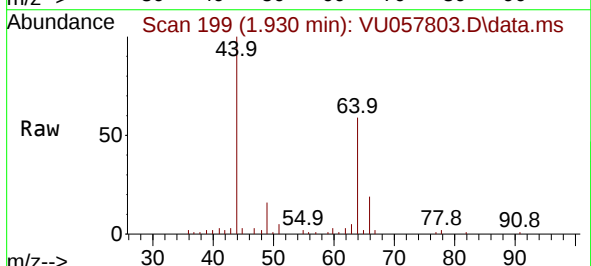
Manual Integrations  
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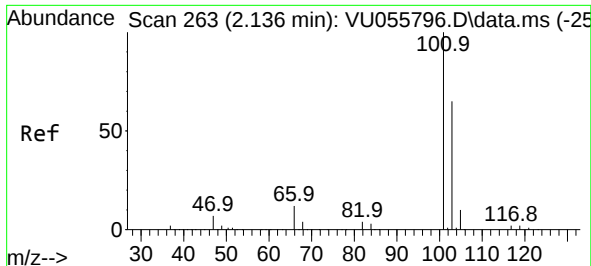
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#6  
Chloroethane  
Concen: 0.955 ug/l  
RT: 1.930 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

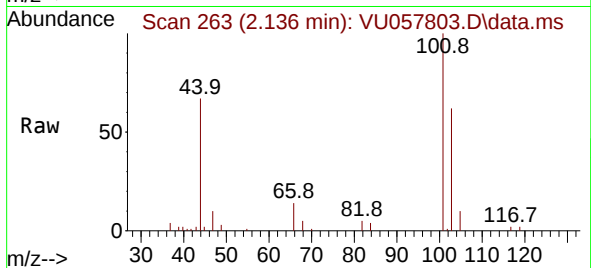
Tgt Ion: 64 Resp: 8408  
Ion Ratio Lower Upper  
64 100  
66 32.3 26.0 39.0





#7  
 Trichlorofluoromethane  
 Concen: 0.901 ug/l  
 RT: 2.136 min Scan# 210  
 Delta R.T. 0.019 min  
 Lab File: VU057803.D  
 Acq: 05 Feb 2024 12:13

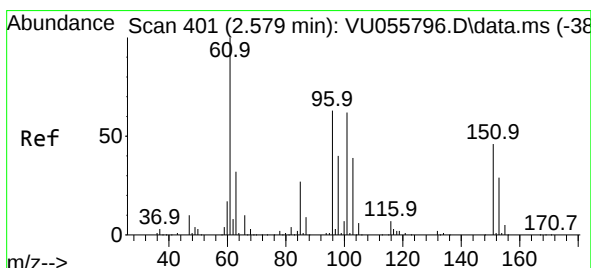
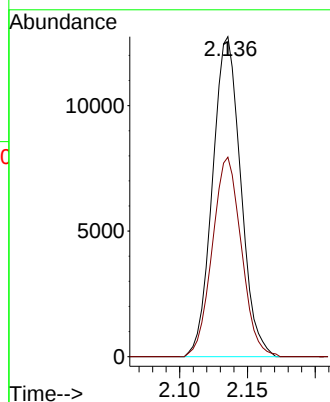
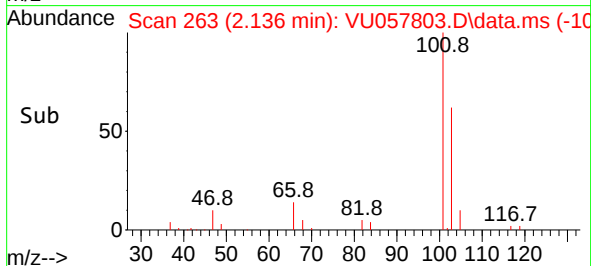
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001



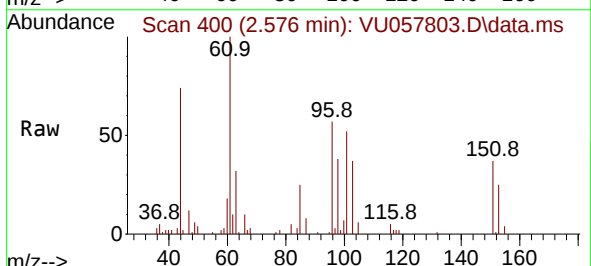
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 103 62.4 51.4 77.0

Manual Integrations  
 APPROVED

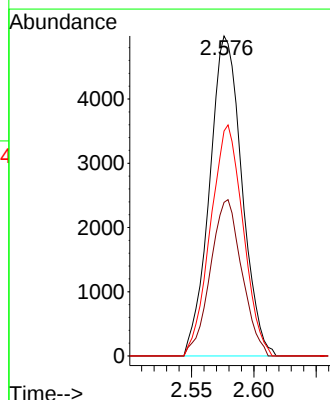
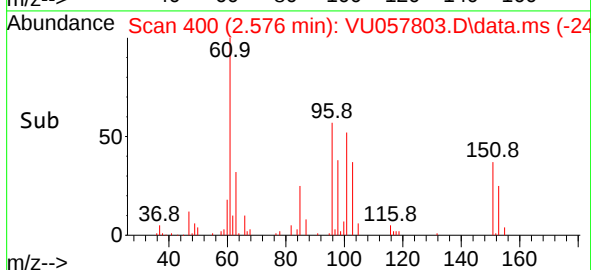
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

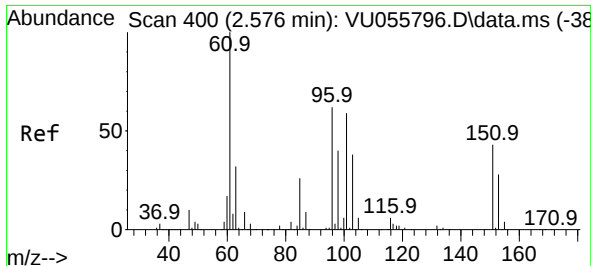


#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.821 ug/l  
 RT: 2.576 min Scan# 400  
 Delta R.T. 0.016 min  
 Lab File: VU057803.D  
 Acq: 05 Feb 2024 12:13



Tgt Ion:101 Resp: 8995  
 Ion Ratio Lower Upper  
 101 100  
 85 47.6 35.4 53.0  
 151 72.9 54.0 81.0





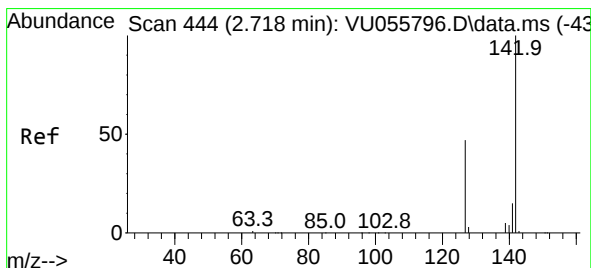
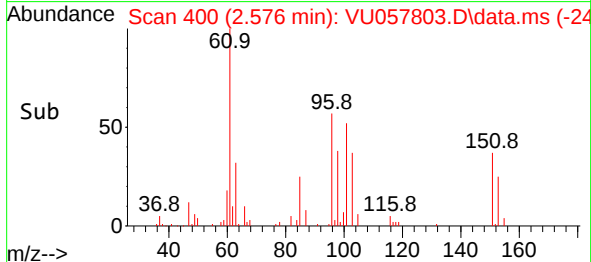
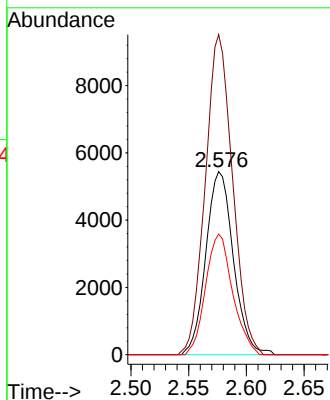
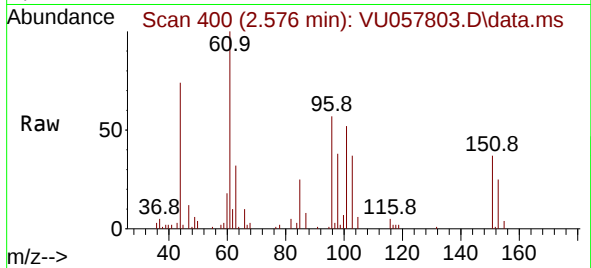
#9  
1,1-Dichloroethene  
Concen: 0.856 ug/l  
RT: 2.576 min Scan# 400  
Delta R.T. 0.016 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 96 Resp: 904  
Ion Ratio Lower Upper  
96 100  
61 174.9 0.0 521.4  
98 68.8 0.0 125.8

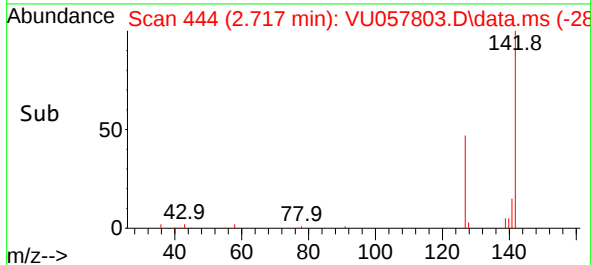
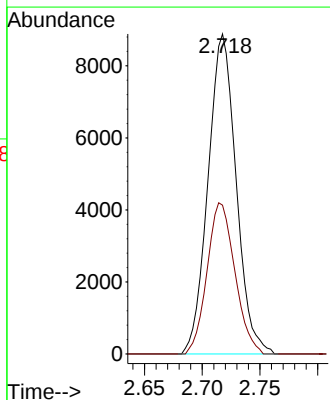
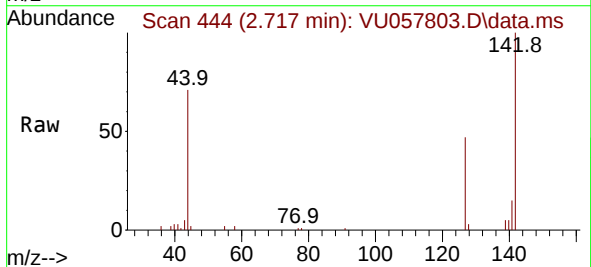
Manual Integrations  
APPROVED

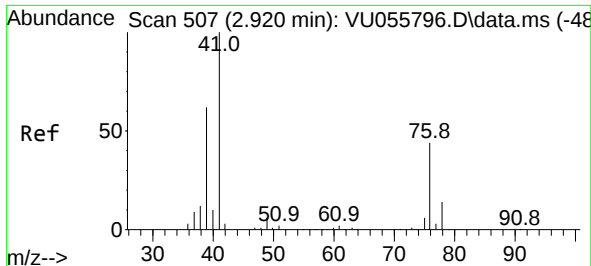
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#10  
Iodomethane  
Concen: 1.169 ug/l  
RT: 2.717 min Scan# 444  
Delta R.T. 0.016 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Tgt Ion:142 Resp: 15023  
Ion Ratio Lower Upper  
142 100  
127 46.8 35.9 53.9





#11

Allyl Chloride

Concen: 0.947 ug/l

RT: 2.917 min Scan# 507

Delta R.T. 0.013 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion: 41 Resp: 1383

Ion Ratio Lower Upper

41 100

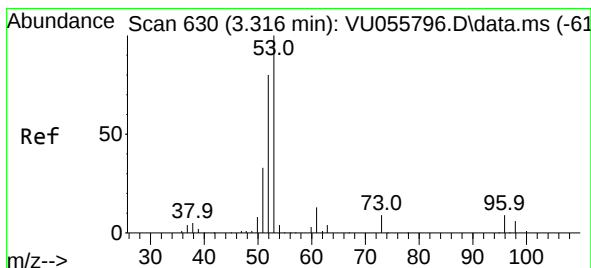
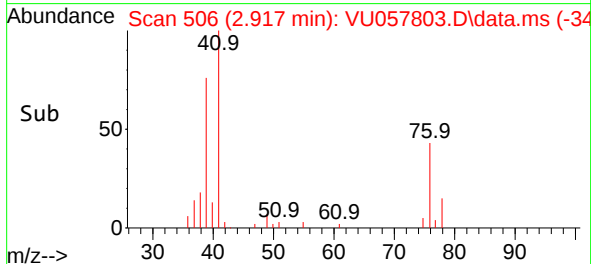
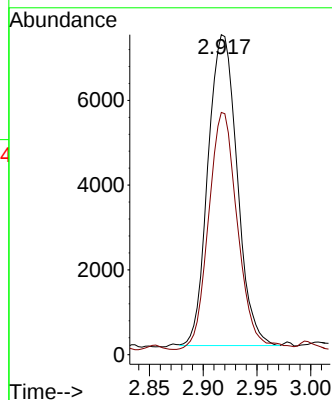
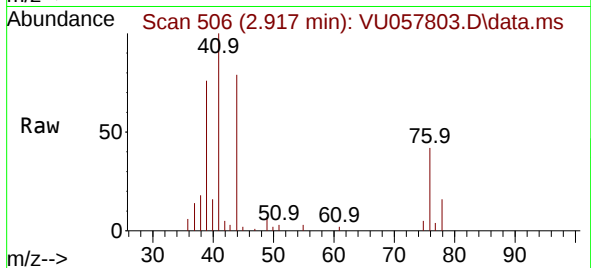
39 76.2 54.2 81.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#12

Acrylonitrile

Concen: 2.039 ug/l

RT: 3.316 min Scan# 630

Delta R.T. 0.006 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

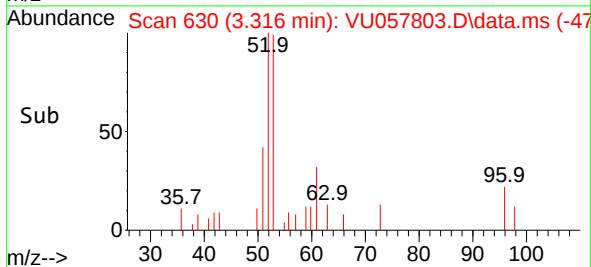
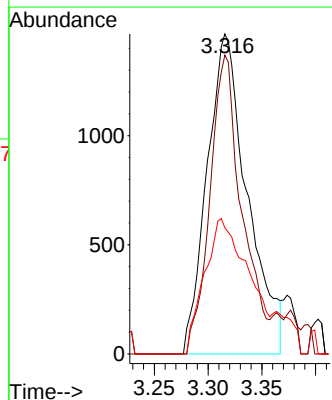
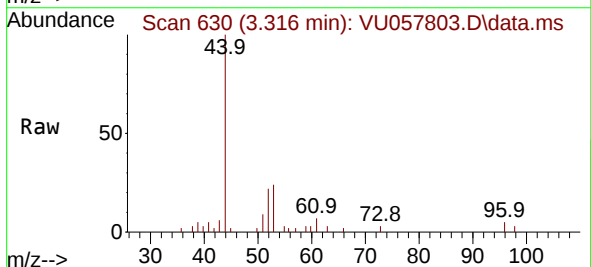
Tgt Ion: 53 Resp: 3810

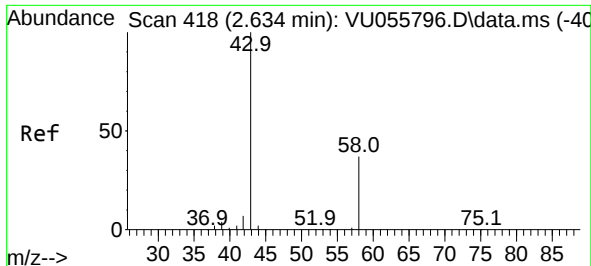
Ion Ratio Lower Upper

53 100

52 74.6 62.9 94.3

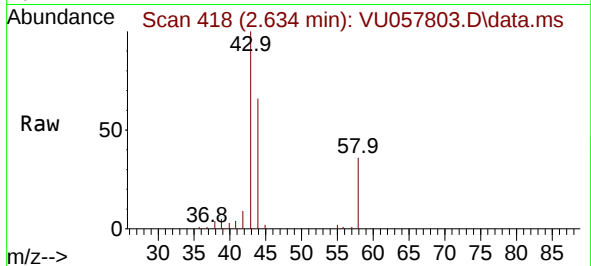
51 46.5 27.8 41.6#





#13  
Acetone  
Concen: 6.059 ug/l  
RT: 2.634 min Scan# 418  
Delta R.T. 0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

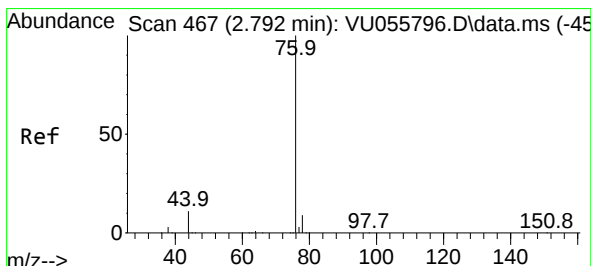
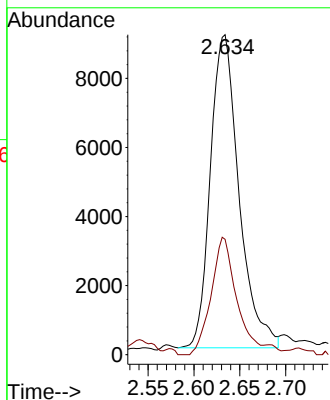
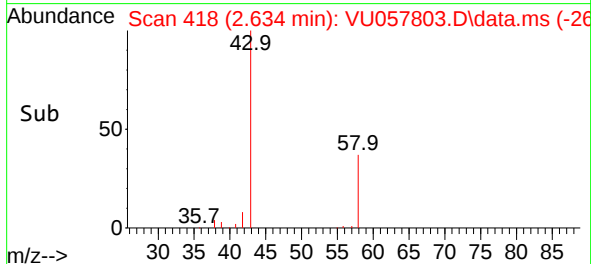
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



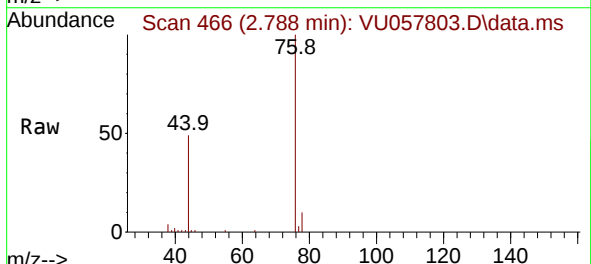
Tgt Ion: 43 Resp: 19690  
Ion Ratio Lower Upper  
43 100  
58 36.9 29.0 43.4

Manual Integrations  
APPROVED

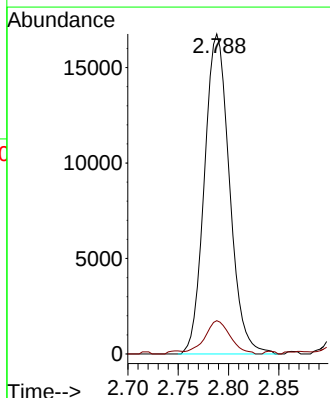
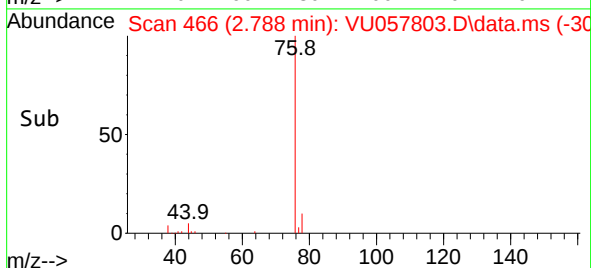
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024

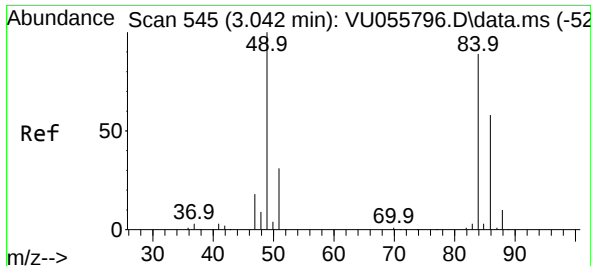


#14  
Carbon Disulfide  
Concen: 0.858 ug/l  
RT: 2.788 min Scan# 466  
Delta R.T. 0.016 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



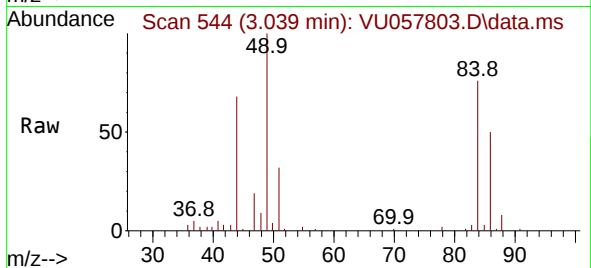
Tgt Ion: 76 Resp: 29068  
Ion Ratio Lower Upper  
76 100  
78 10.4 7.4 11.0





#15  
Methylene Chloride  
Concen: 1.052 ug/l  
RT: 3.039 min Scan# 544  
Delta R.T. 0.013 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

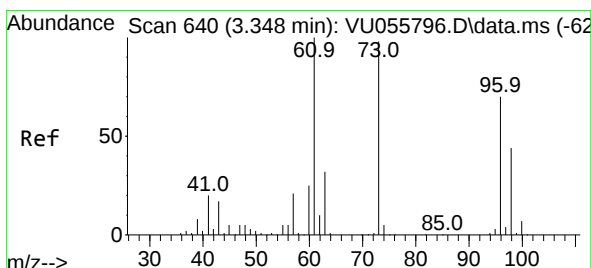
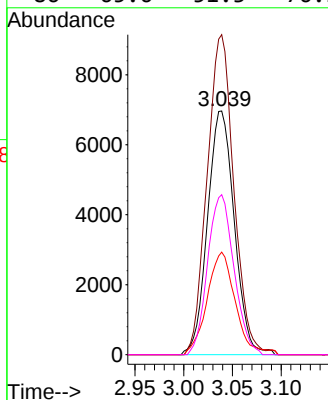
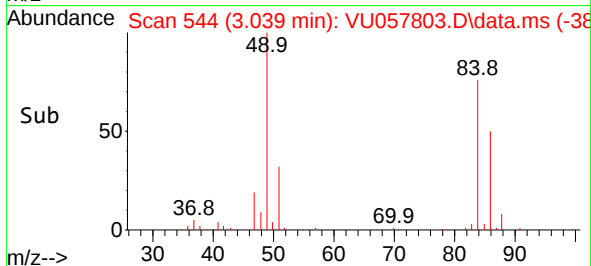
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



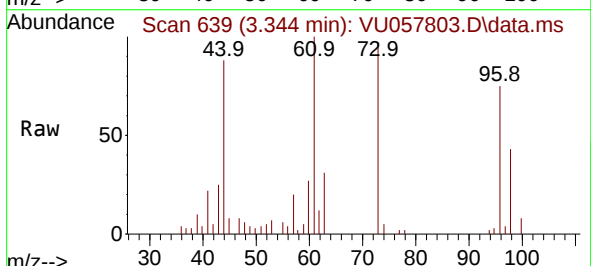
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1334  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 131.3 | 98.9  | 148.3 |
| 51       | 42.1  | 0.0   | 75.4  |
| 86       | 65.6  | 51.3  | 76.9  |

Manual Integrations  
APPROVED

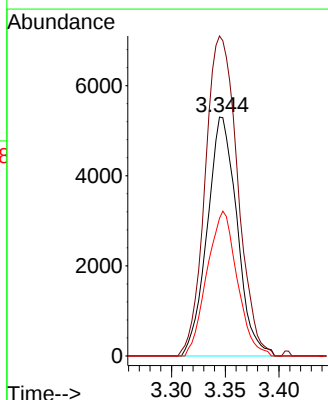
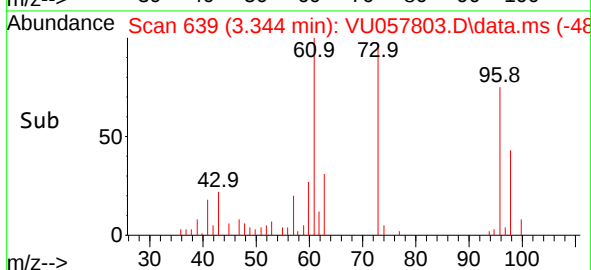
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024

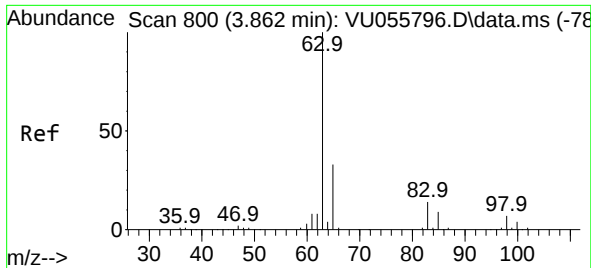


#16  
trans-1,2-Dichloroethene  
Concen: 0.888 ug/l  
RT: 3.344 min Scan# 639  
Delta R.T. 0.010 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 10237 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 133.9 | 117.5 | 176.3 |
| 98       | 57.6  | 48.3  | 72.5  |





#17  
 1,1-Dichloroethane  
 Concen: 0.901 ug/l  
 RT: 3.859 min Scan# 799  
 Delta R.T. 0.010 min  
 Lab File: VU057803.D  
 Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

Client Sample Id :

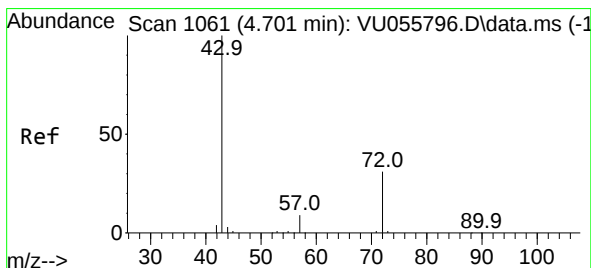
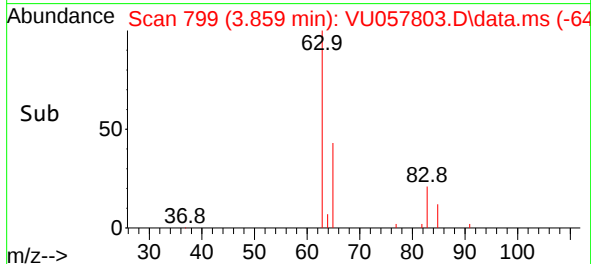
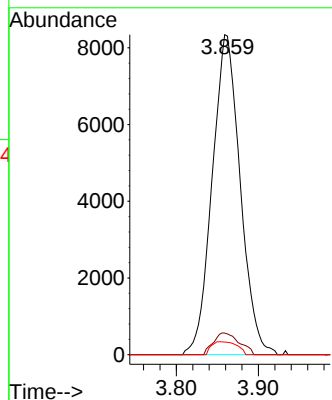
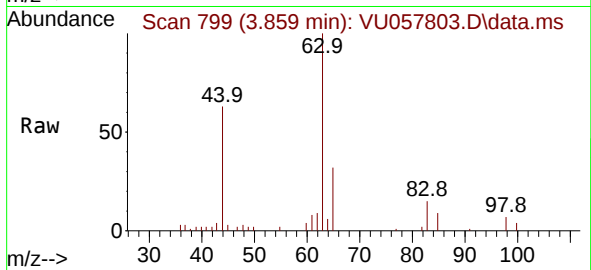
VSTDIC001

Tgt Ion: 63 Resp: 19830  
 Ion Ratio Lower Upper  
 63 100  
 98 6.7 3.4 10.1  
 100 3.9 2.2 6.6

Manual Integrations

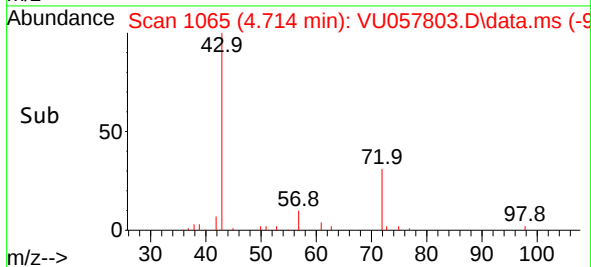
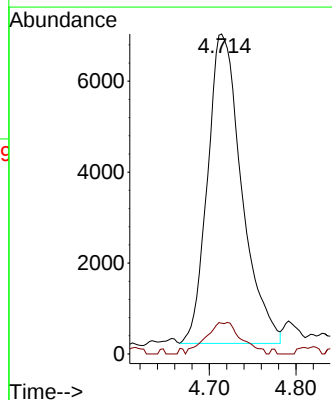
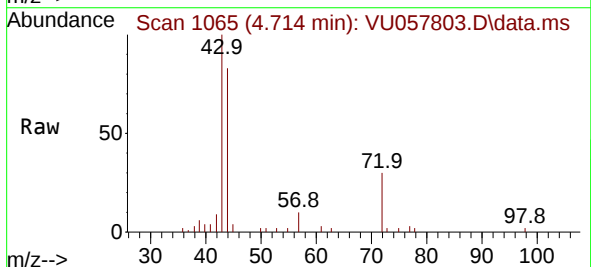
APPROVED

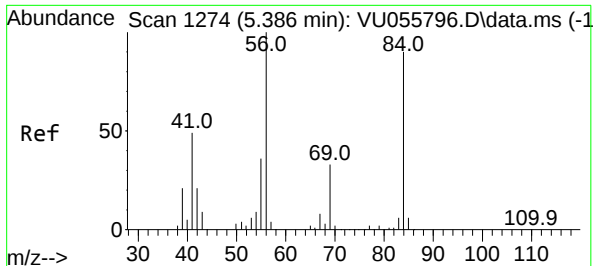
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024



#18  
 2-Butanone  
 Concen: 5.245 ug/l  
 RT: 4.714 min Scan# 1065  
 Delta R.T. 0.003 min  
 Lab File: VU057803.D  
 Acq: 05 Feb 2024 12:13

Tgt Ion: 43 Resp: 18649  
 Ion Ratio Lower Upper  
 43 100  
 57 9.9 0.0 19.6





#19

Cyclohexane

Concen: 0.909 ug/l

RT: 5.377 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion: 56 Resp: 15739

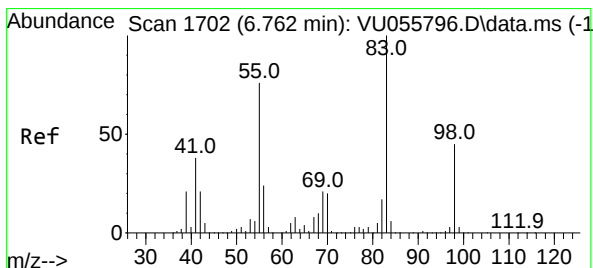
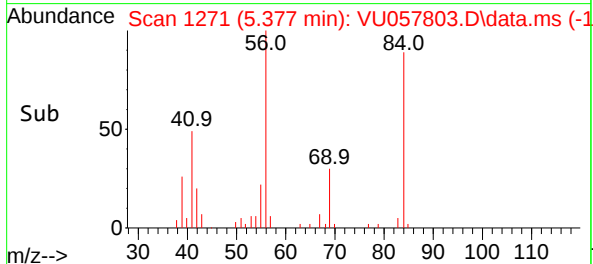
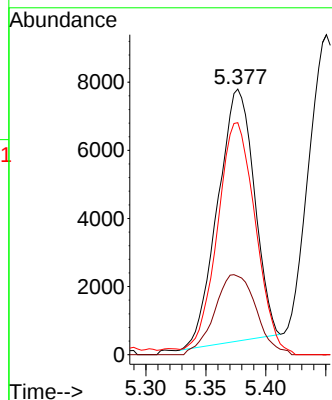
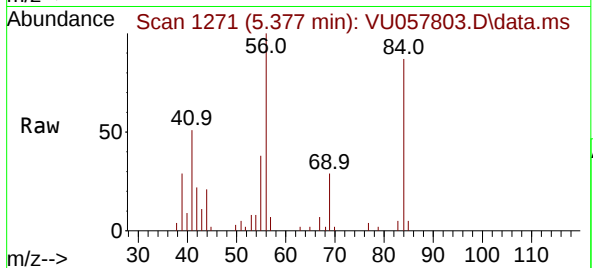
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 35.9  | 24.6  | 37.0  |
| 84  | 93.7  | 68.4  | 102.6 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#20

Methylcyclohexane

Concen: 0.838 ug/l

RT: 6.756 min Scan# 1700

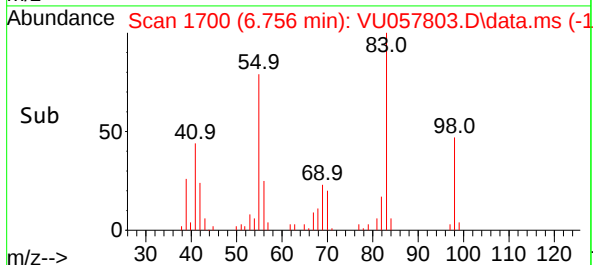
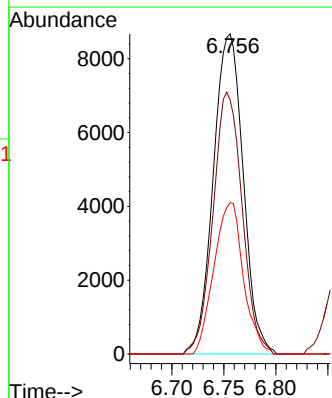
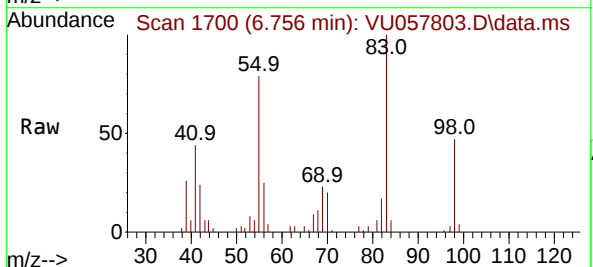
Delta R.T. 0.006 min

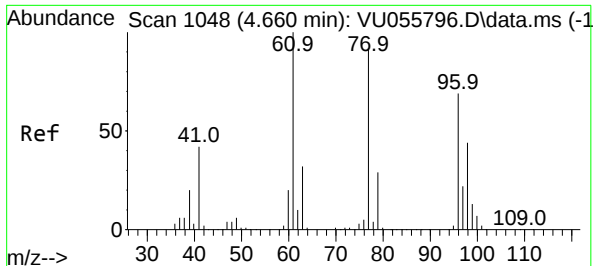
Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Tgt Ion: 83 Resp: 17338

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 79.9  | 63.5  | 95.3  |
| 98  | 46.6  | 36.0  | 54.0  |





#21

2,2-Dichloropropane

Concen: 0.953 ug/l

RT: 4.653 min Scan# 1046

Delta R.T. 0.006 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion: 77 Resp: 1850

Ion Ratio Lower Upper

77 100

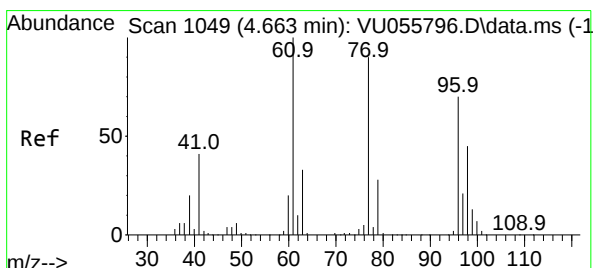
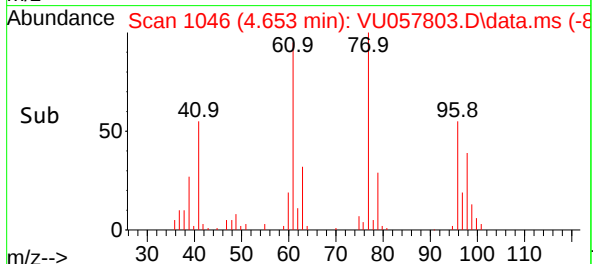
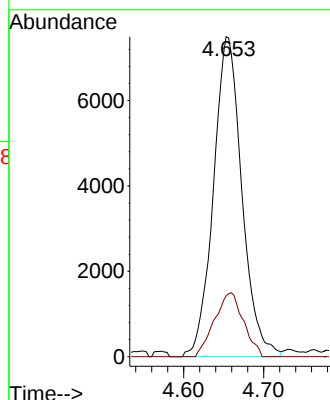
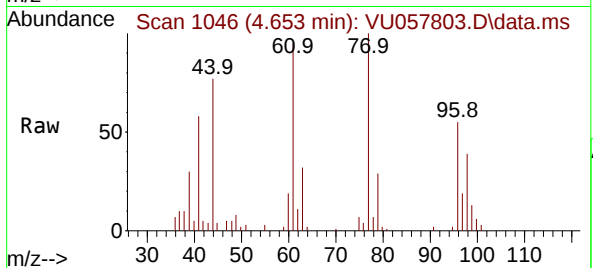
97 20.3 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#22

cis-1,2-Dichloroethene

Concen: 0.848 ug/l

RT: 4.660 min Scan# 1048

Delta R.T. 0.010 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

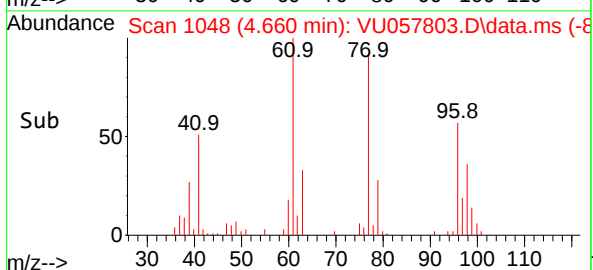
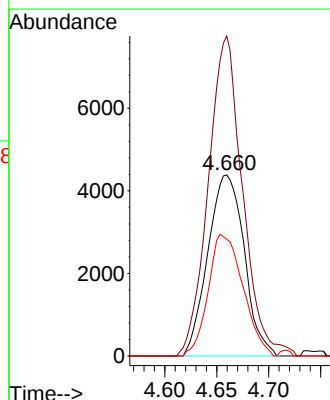
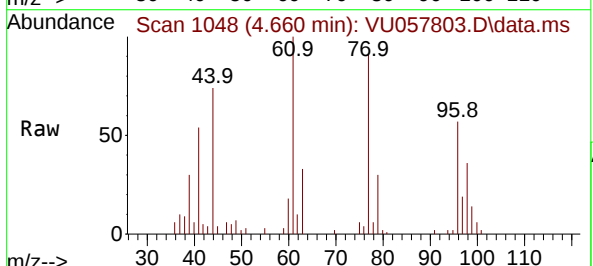
Tgt Ion: 96 Resp: 10677

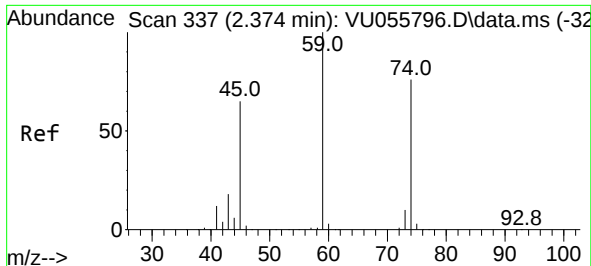
Ion Ratio Lower Upper

96 100

61 166.4 0.0 365.8

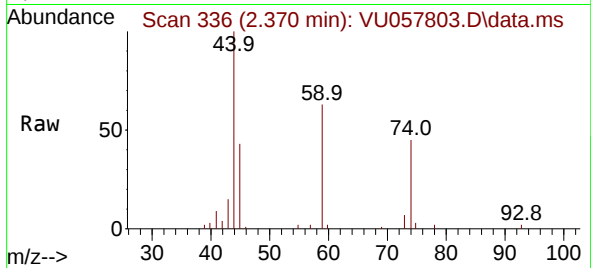
98 64.2 32.0 96.0





#23  
Diethyl Ether  
Concen: 0.881 ug/l  
RT: 2.370 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

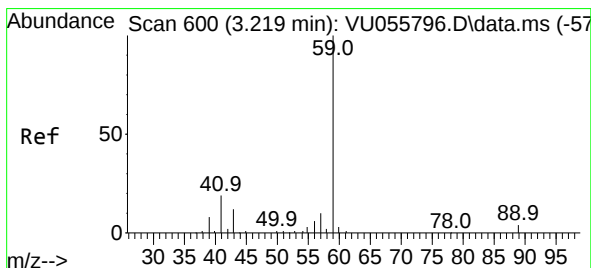
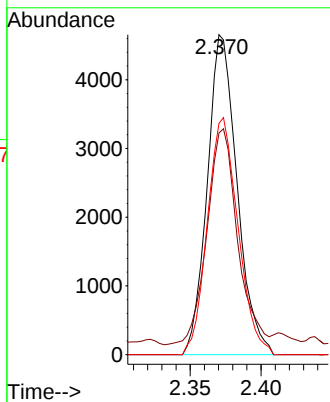
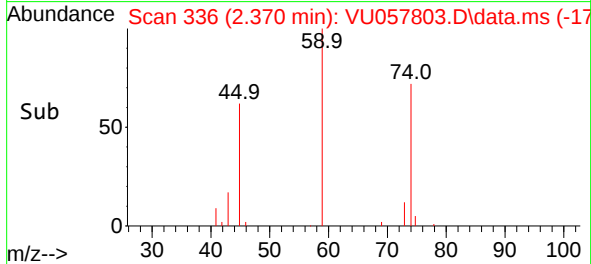
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



Tgt Ion: 59 Resp: 6800  
Ion Ratio Lower Upper  
59 100  
45 68.1 56.1 84.1  
74 76.3 57.4 86.2

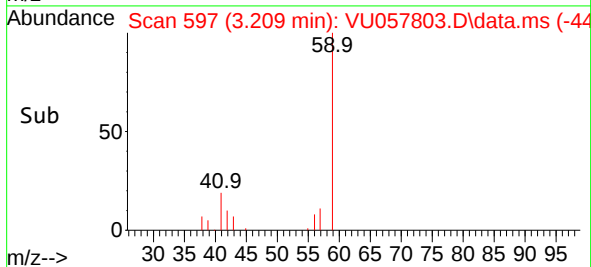
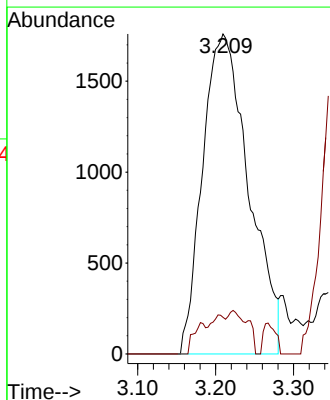
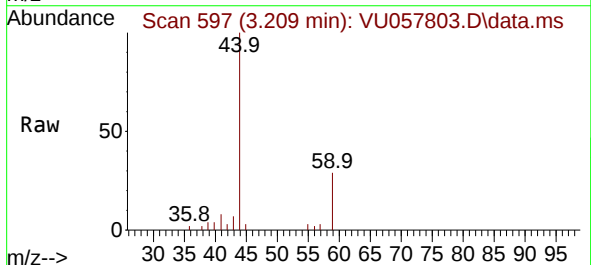
Manual Integrations  
APPROVED

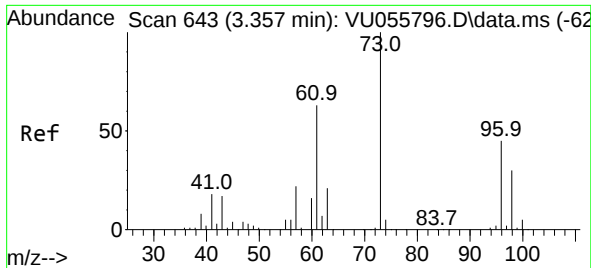
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#24  
tert-Butyl Alcohol  
Concen: 9.188 ug/l  
RT: 3.209 min Scan# 597  
Delta R.T. -0.023 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

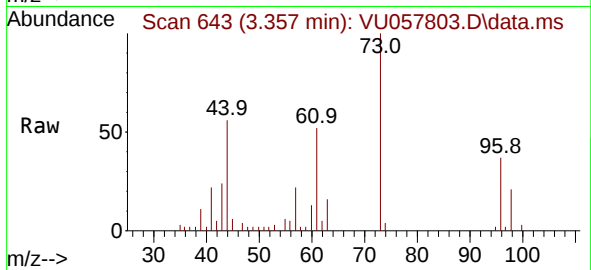
Tgt Ion: 59 Resp: 7263  
Ion Ratio Lower Upper  
59 100  
57 2.5 105.6 158.4#





#25  
Methyl tert-Butyl Ether  
Concen: 0.960 ug/l  
RT: 3.357 min Scan# 643  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

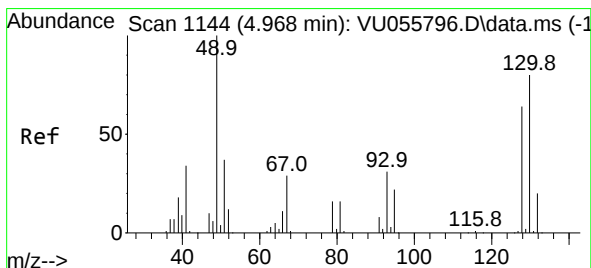
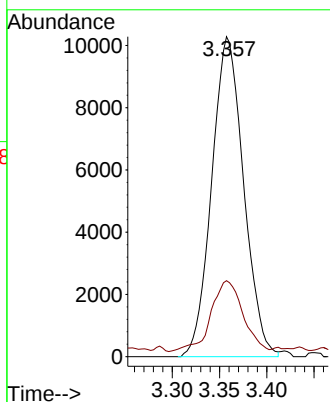
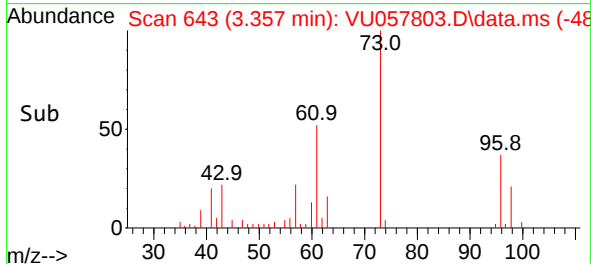
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



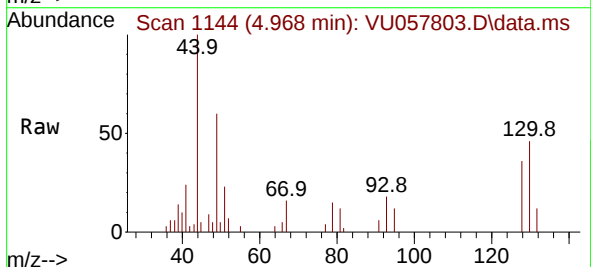
Tgt Ion: 73 Resp: 2409  
Ion Ratio Lower Upper  
73 100  
43 22.2 15.0 22.6

Manual Integrations  
APPROVED

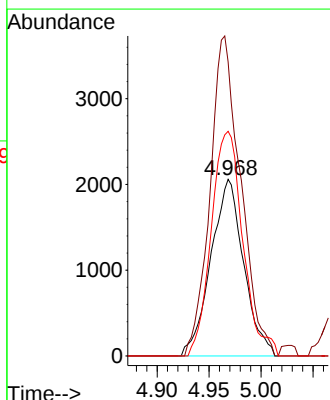
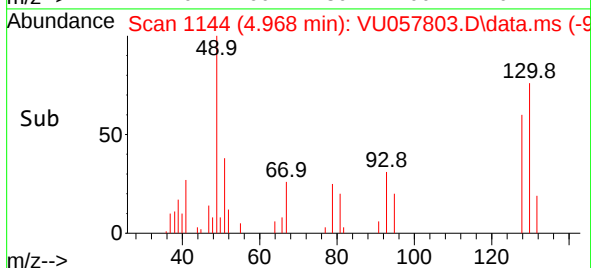
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024

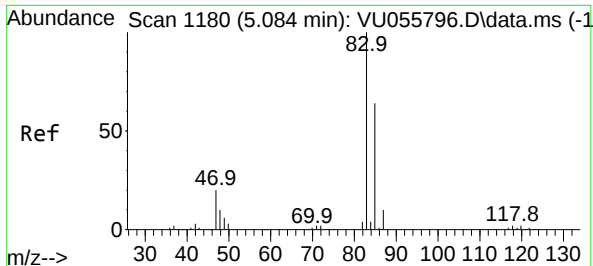


#26  
Bromochloromethane  
Concen: 0.893 ug/l  
RT: 4.968 min Scan# 1144  
Delta R.T. 0.010 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



Tgt Ion:128 Resp: 4514  
Ion Ratio Lower Upper  
128 100  
49 169.5 0.0 324.6  
130 123.0 103.0 154.4





#27

Chloroform

Concen: 0.891 ug/l

RT: 5.081 min Scan# 1180

Delta R.T. 0.003 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 20230

Ion Ratio Lower Upper

83 100

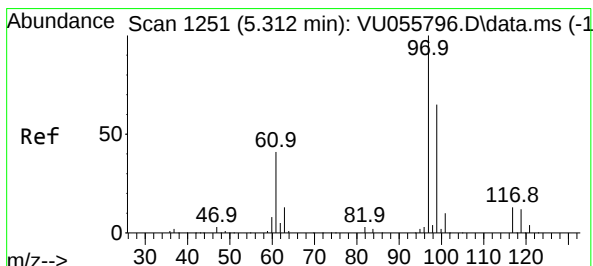
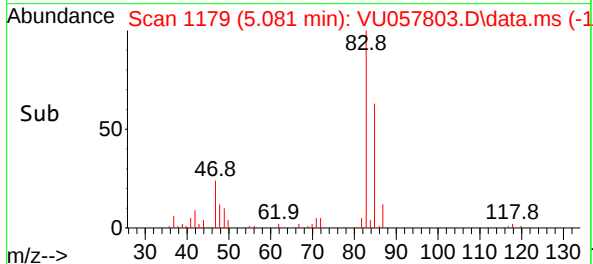
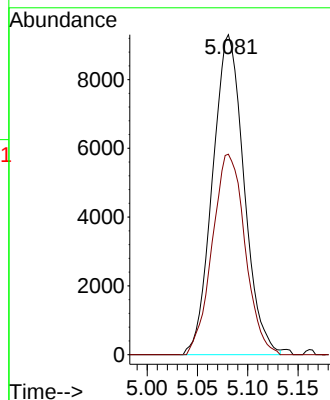
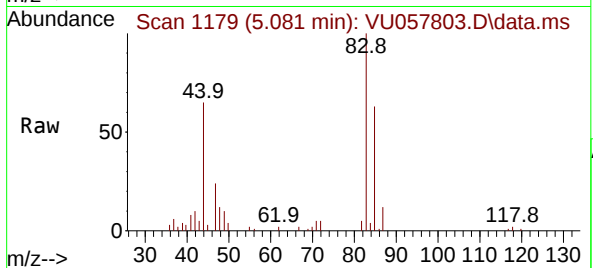
85 62.7 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#28

1,1,1-Trichloroethane

Concen: 0.885 ug/l

RT: 5.309 min Scan# 1250

Delta R.T. 0.010 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

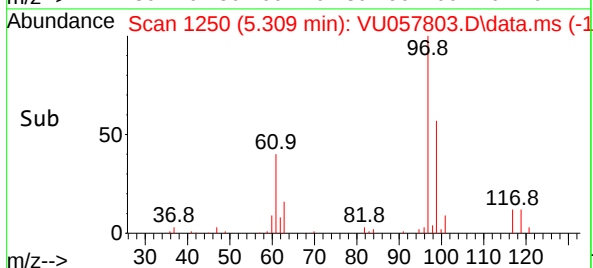
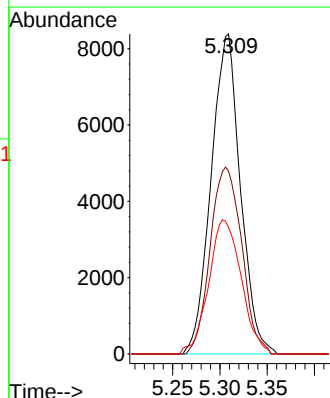
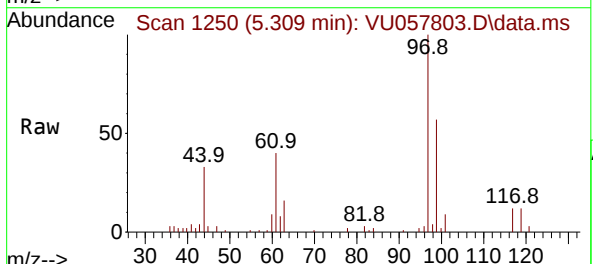
Tgt Ion: 97 Resp: 18075

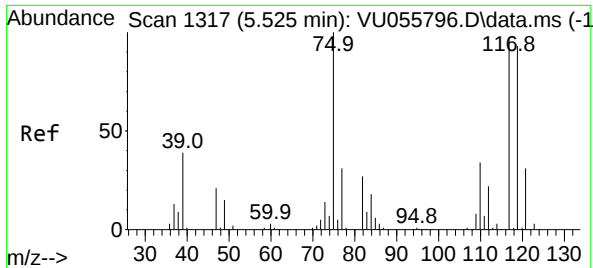
Ion Ratio Lower Upper

97 100

99 62.8 32.0 96.2

61 46.6 22.9 68.5





#29  
1,1-Dichloropropene  
Concen: 0.903 ug/l  
RT: 5.515 min Scan# 1314  
Delta R.T. 0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

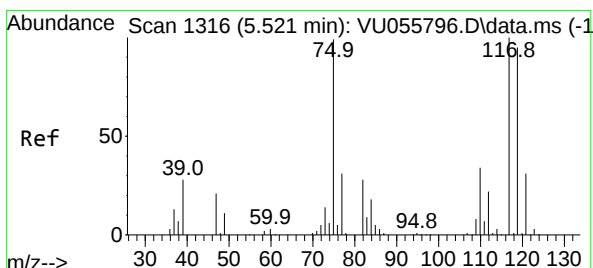
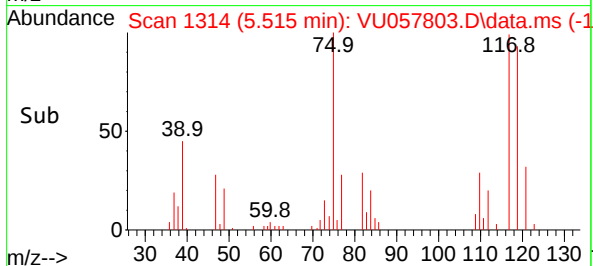
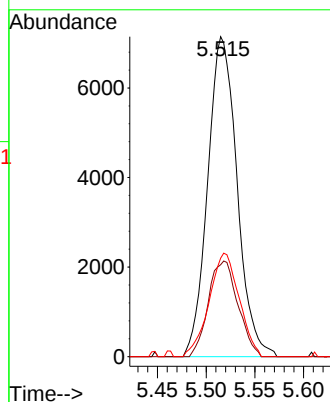
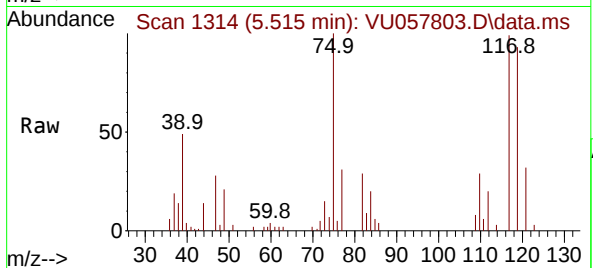
Tgt Ion: 75 Resp: 14992  
Ion Ratio Lower Upper  
75 100  
110 30.1 18.0 54.0  
77 33.1 24.7 37.1

Manual Integrations

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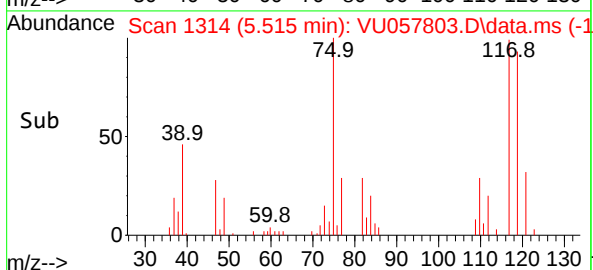
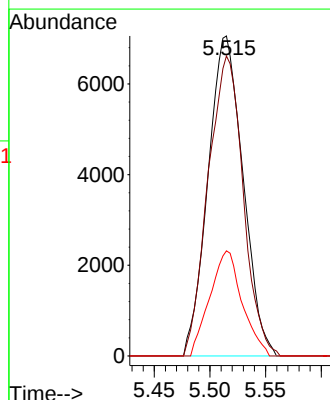
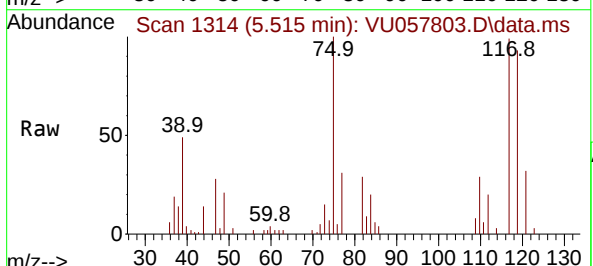
Reviewed By :John Carlone 02/14/2024

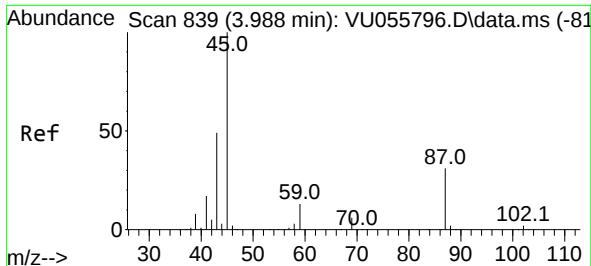
Supervised By :Mahesh Dadoda 02/14/2024



#30  
Carbon Tetrachloride  
Concen: 0.873 ug/l  
RT: 5.515 min Scan# 1314  
Delta R.T. 0.006 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

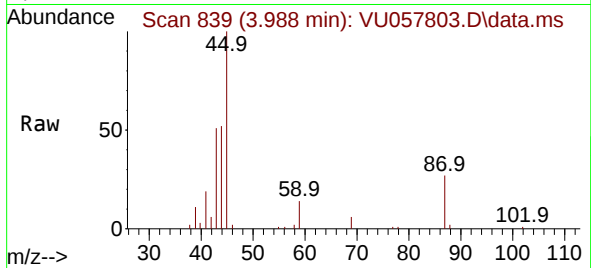
Tgt Ion:117 Resp: 15404  
Ion Ratio Lower Upper  
117 100  
119 93.7 77.4 116.0  
121 32.9 24.0 36.0





#31  
Isopropyl Ether  
Concen: 0.938 ug/l  
RT: 3.988 min Scan# 839  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

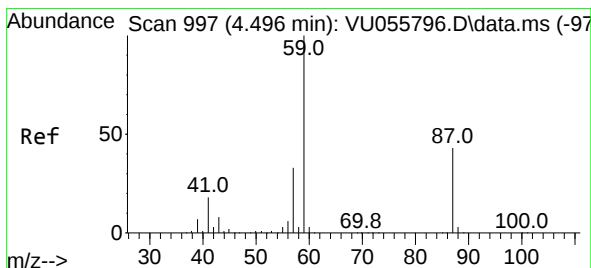
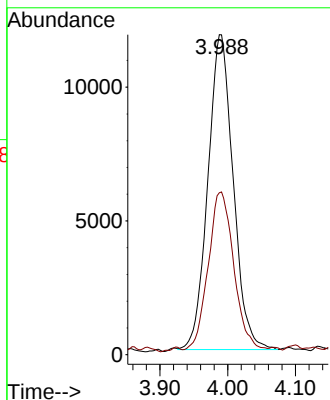
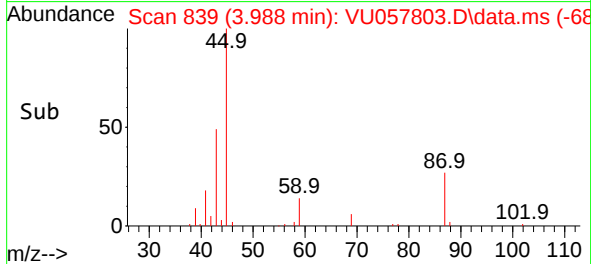
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



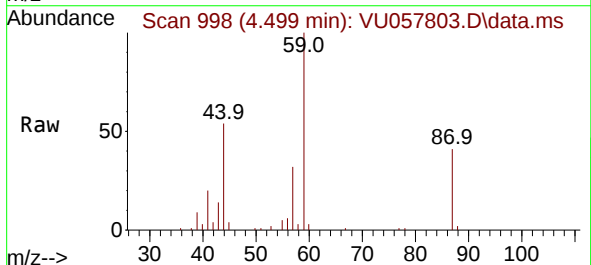
Tgt Ion: 45 Resp: 3051  
Ion Ratio Lower Upper  
45 100  
43 50.8 27.5 82.5

Manual Integrations  
APPROVED

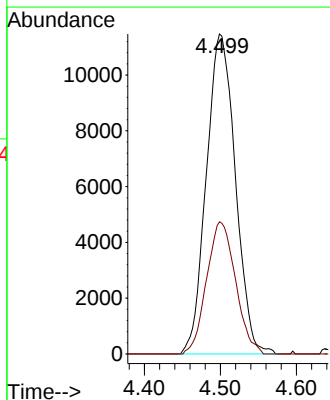
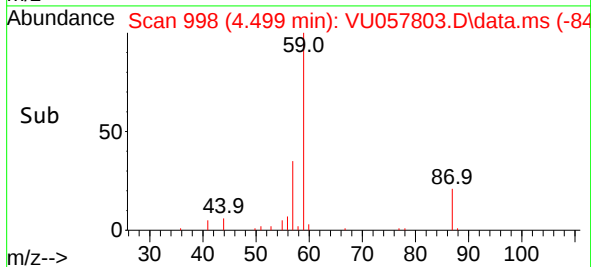
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024

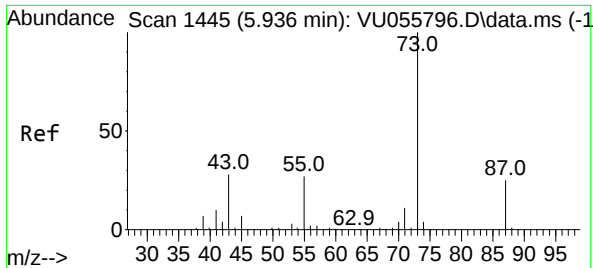


#32  
Ethyl-t-butyl ether  
Concen: 1.008 ug/l  
RT: 4.499 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



Tgt Ion: 59 Resp: 30435  
Ion Ratio Lower Upper  
59 100  
87 41.1 33.5 50.3





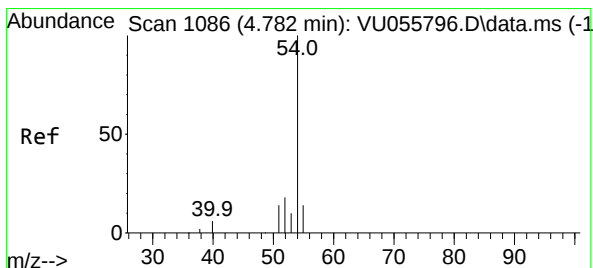
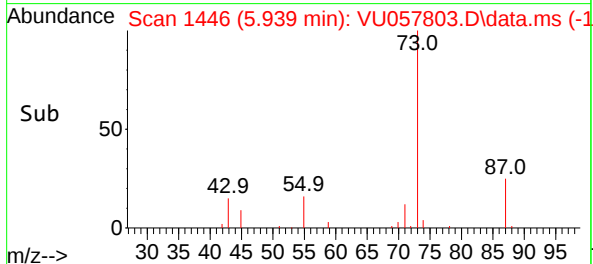
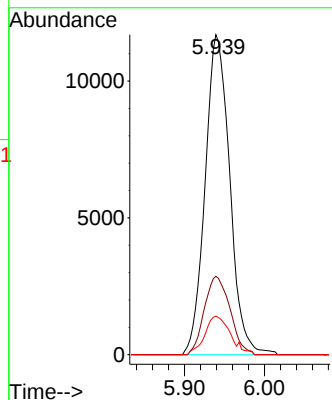
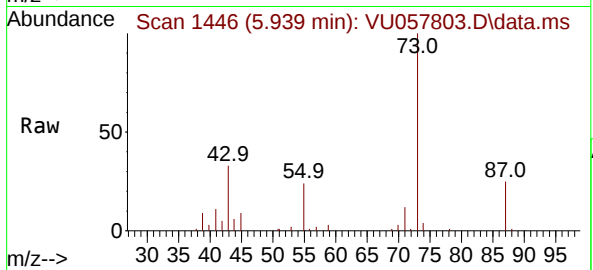
#33  
Tert-Amyl methyl ether  
Concen: 0.985 ug/l  
RT: 5.939 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 73 Resp: 25069  
Ion Ratio Lower Upper  
73 100  
87 25.5 18.6 28.0  
71 12.5 9.9 14.9

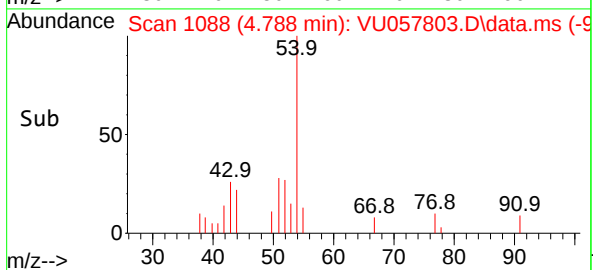
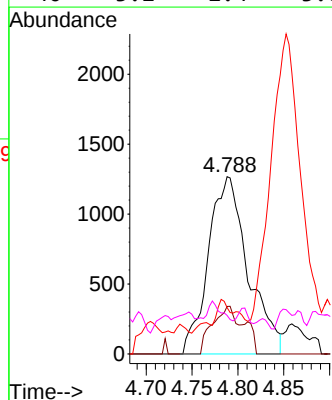
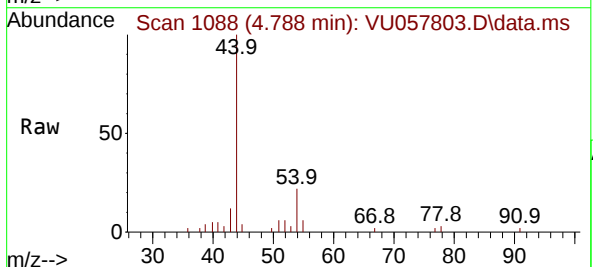
Manual Integrations  
APPROVED

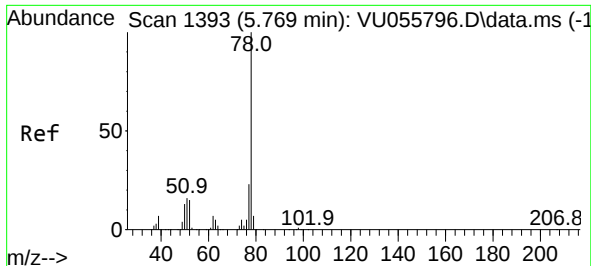
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#34  
Propionitrile  
Concen: 5.192 ug/l  
RT: 4.788 min Scan# 1088  
Delta R.T. 0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

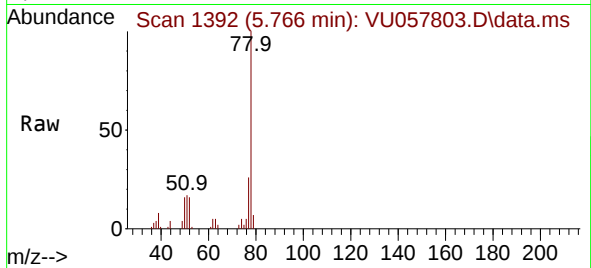
Tgt Ion: 54 Resp: 3813  
Ion Ratio Lower Upper  
54 100  
52 16.0 17.4 26.0#  
55 4.3 104.1 156.1#  
40 3.2 2.4 3.6





#35  
Benzene  
Concen: 0.882 ug/l  
RT: 5.766 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

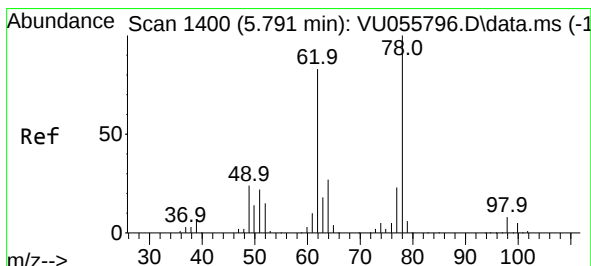
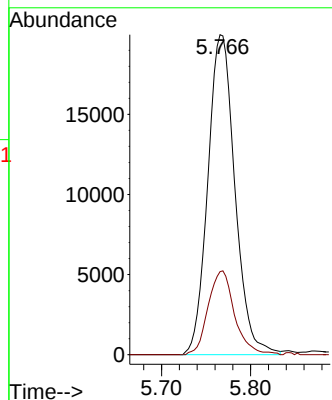
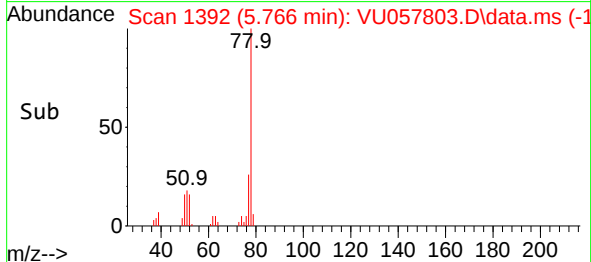
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



Tgt Ion: 78 Resp: 42208  
Ion Ratio Lower Upper  
78 100  
77 26.0 18.9 28.3

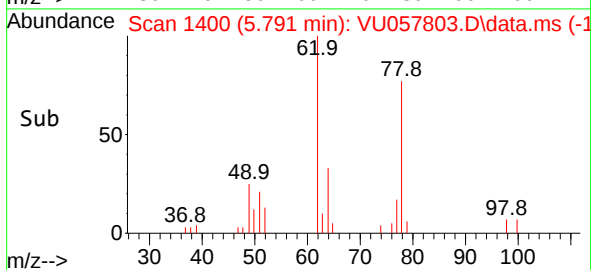
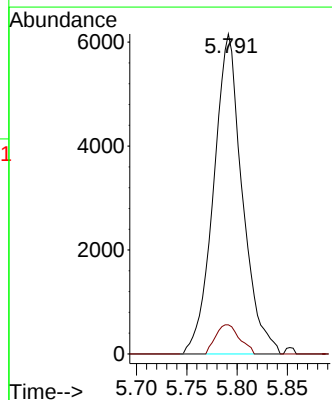
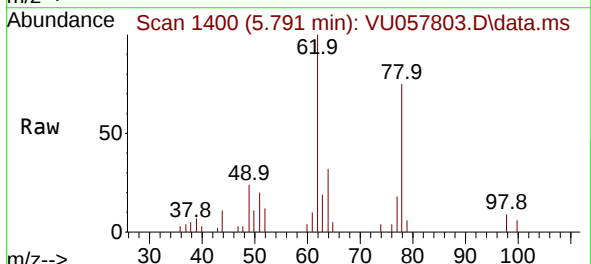
Manual Integrations  
APPROVED

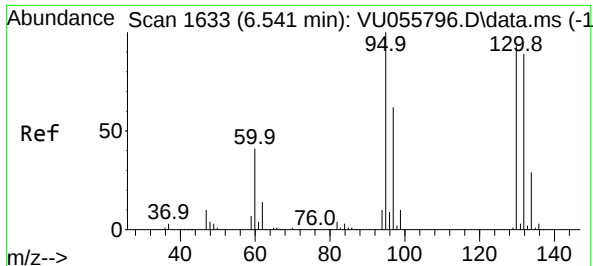
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#36  
1,2-Dichloroethane  
Concen: 0.874 ug/l  
RT: 5.791 min Scan# 1400  
Delta R.T. 0.006 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Tgt Ion: 62 Resp: 12225  
Ion Ratio Lower Upper  
62 100  
98 7.6 7.3 10.9





#37

Trichloroethene

Concen: 0.832 ug/l

RT: 6.537 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion:130 Resp: 1052

Ion Ratio Lower Upper

130 100

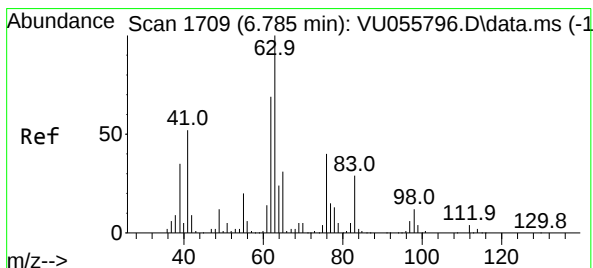
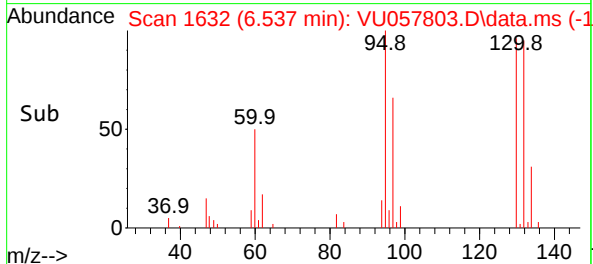
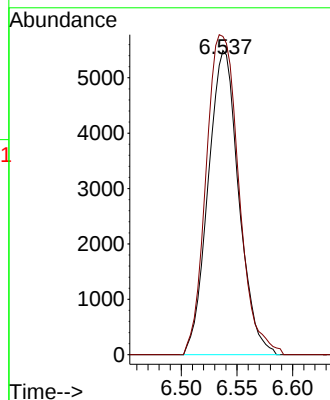
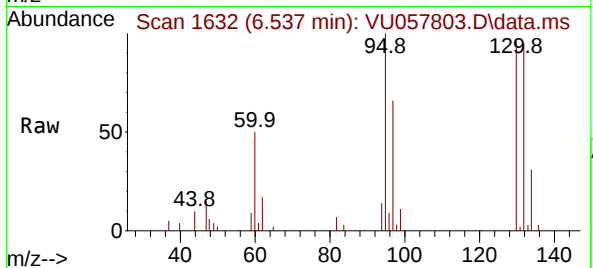
95 104.6 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#38

1,2-Dichloropropane

Concen: 0.908 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. 0.003 min

Lab File: VU057803.D

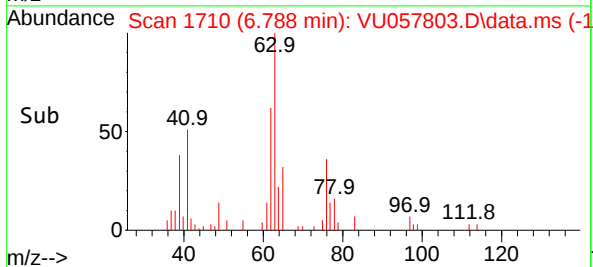
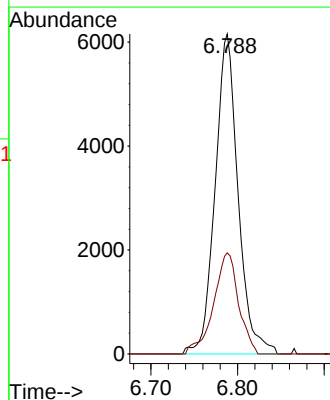
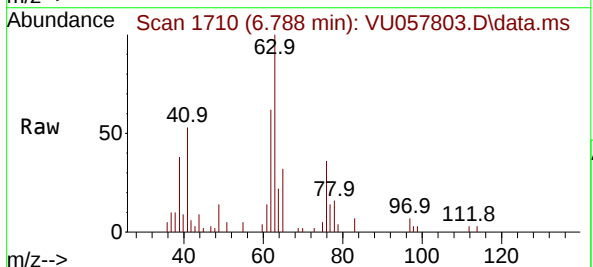
Acq: 05 Feb 2024 12:13

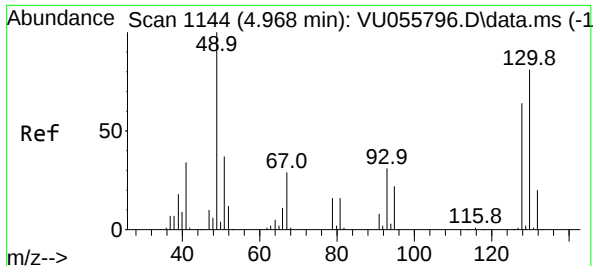
Tgt Ion: 63 Resp: 11329

Ion Ratio Lower Upper

63 100

65 31.6 24.9 37.3





#39

Methacrylonitrile

Concen: 1.024 ug/l

RT: 4.975 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

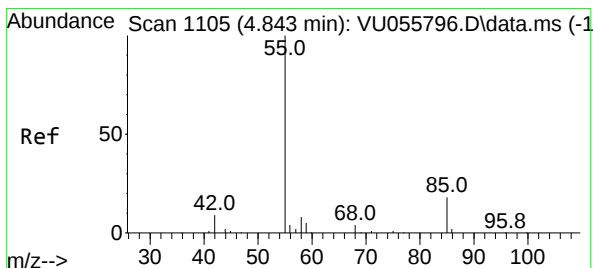
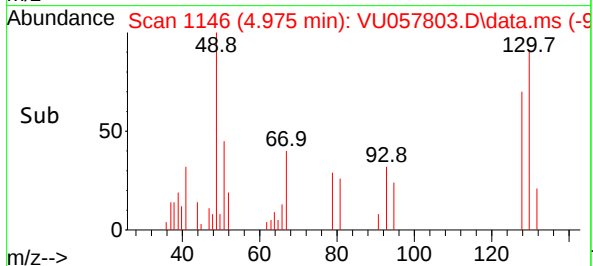
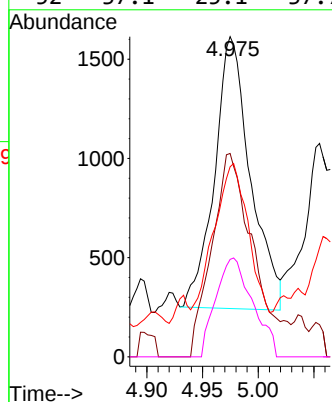
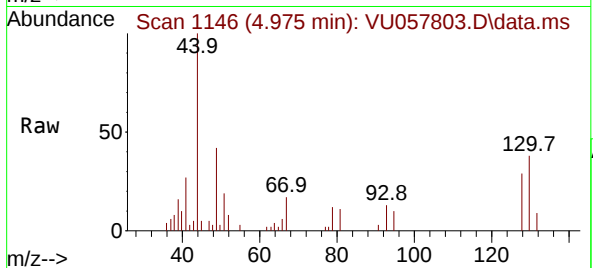
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 307   |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 67 87.5     | 66.8 100.2  |
| 39 52.0     | 41.2 61.8   |
| 52 37.1     | 25.1 37.7   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#40

Methyl acrylate

Concen: 1.000 ug/l

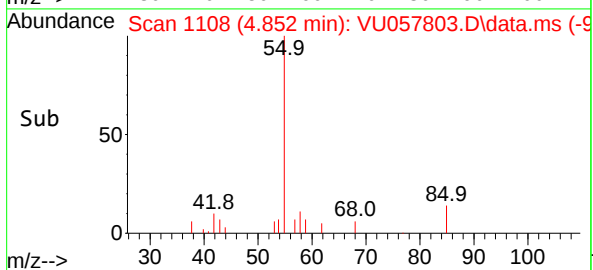
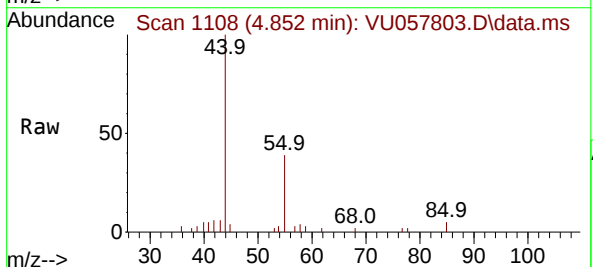
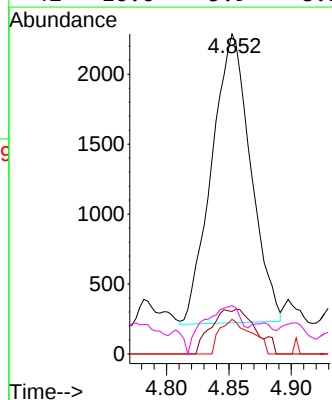
RT: 4.852 min Scan# 1108

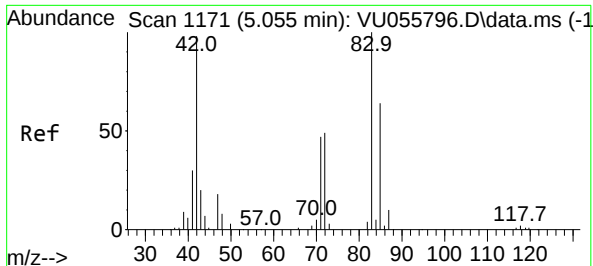
Delta R.T. 0.010 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

|             |             |
|-------------|-------------|
| Tgt Ion: 55 | Resp: 4495  |
| Ion Ratio   | Lower Upper |
| 55 100      |             |
| 85 17.6     | 13.3 19.9   |
| 58 9.6      | 6.5 9.7     |
| 42 16.6     | 5.9 8.9     |





#41

Tetrahydrofuran

Concen: 2.219 ug/l

RT: 5.068 min Scan# 1171

Delta R.T. 0.006 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

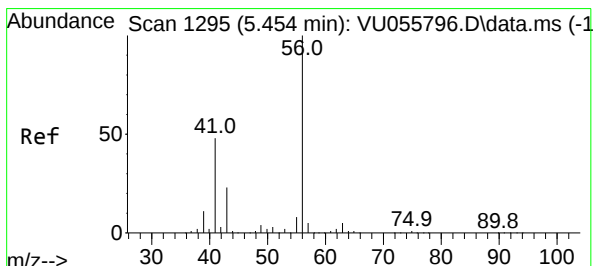
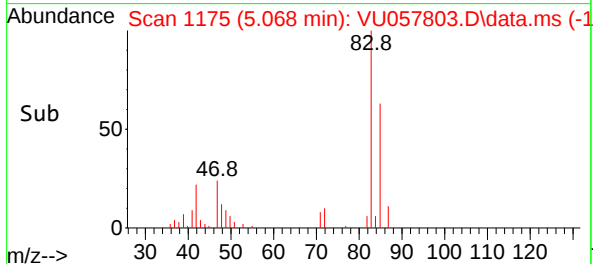
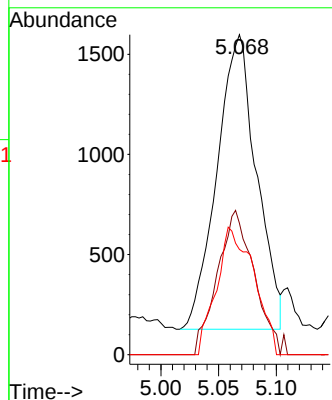
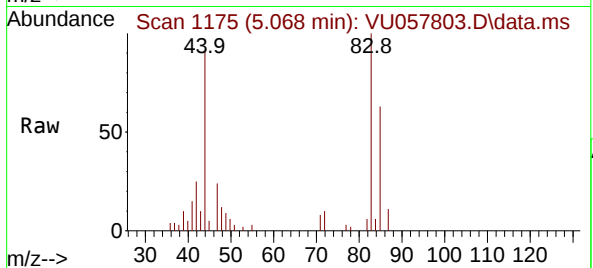
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 350  |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 45.9  | 40.9  | 61.3 |
| 71        | 41.1  | 36.9  | 55.3 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#42

1-Chlorobutane

Concen: 0.917 ug/l

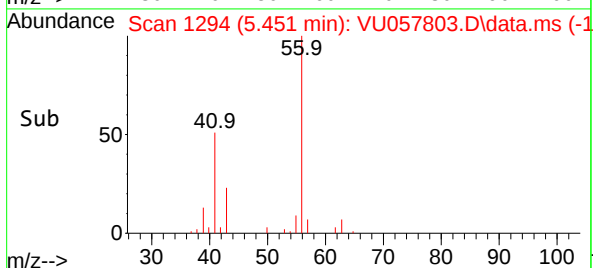
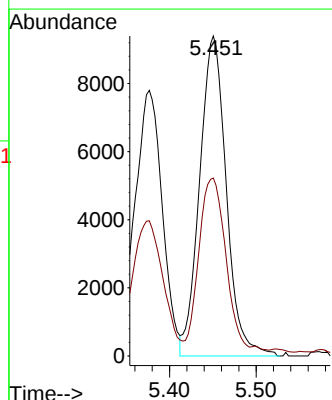
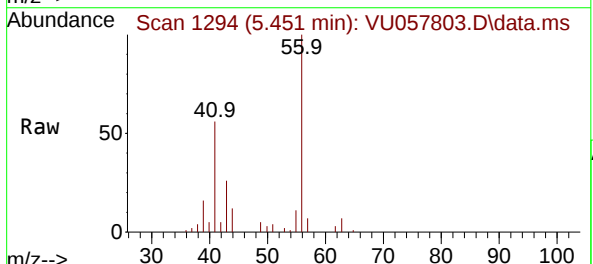
RT: 5.451 min Scan# 1294

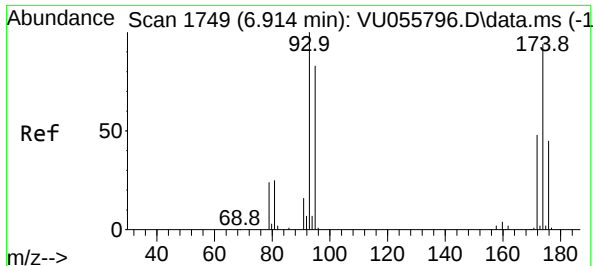
Delta R.T. 0.006 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 20104 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 41        | 54.1  | 25.2  | 75.6  |





#43

Dibromomethane

Concen: 0.892 ug/l

RT: 6.917 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion: 93 Resp: 5090

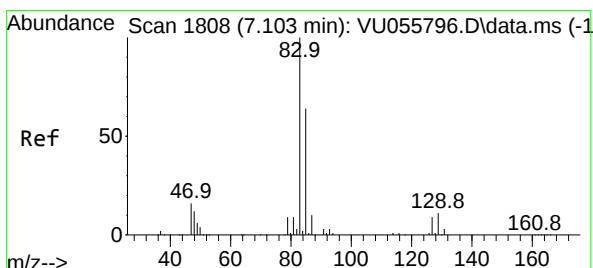
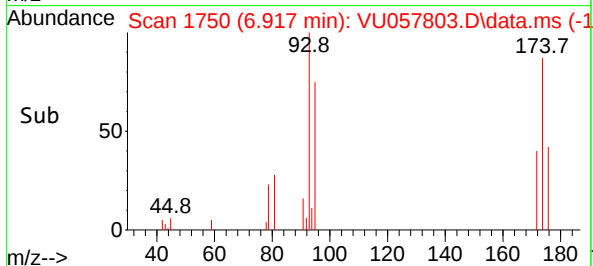
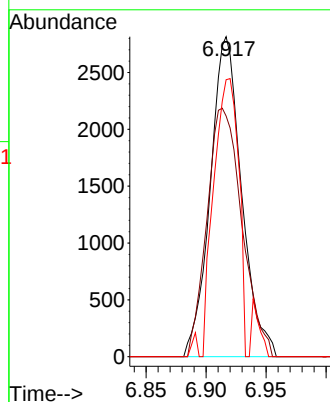
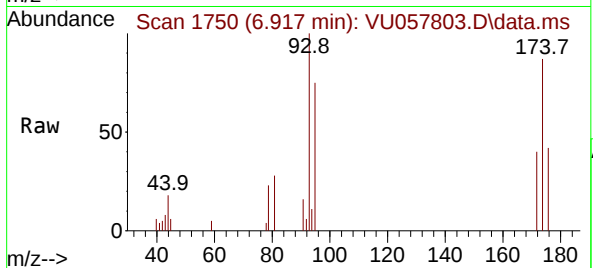
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 86.9  | 67.0  | 100.6 |
| 174 | 69.9  | 73.8  | 110.6 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#44

Bromodichloromethane

Concen: 0.879 ug/l

RT: 7.103 min Scan# 1808

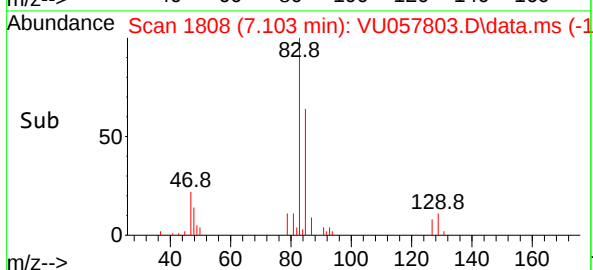
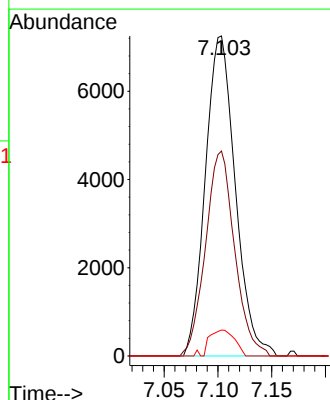
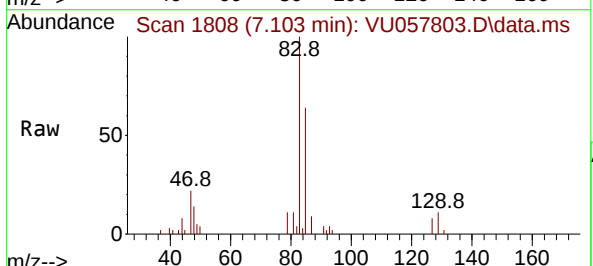
Delta R.T. 0.003 min

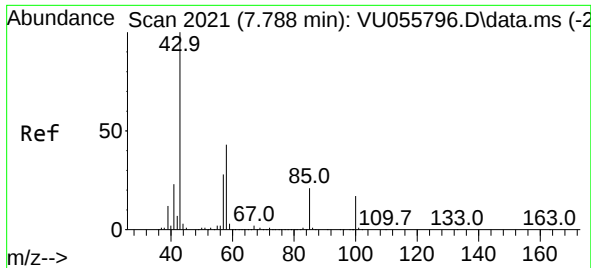
Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Tgt Ion: 83 Resp: 14051

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.0  | 51.9  | 77.9  |
| 127 | 8.1   | 6.7   | 10.1  |





#45

4-Methyl-2-Pentanone

Concen: 4.813 ug/l

RT: 7.794 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

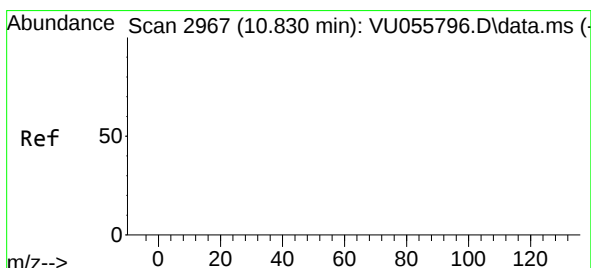
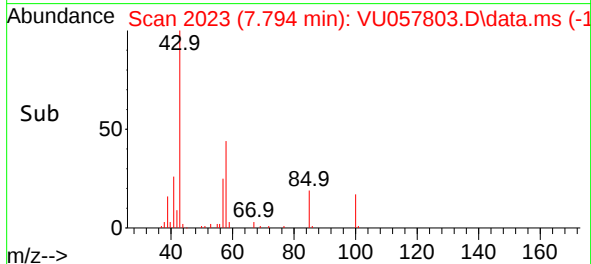
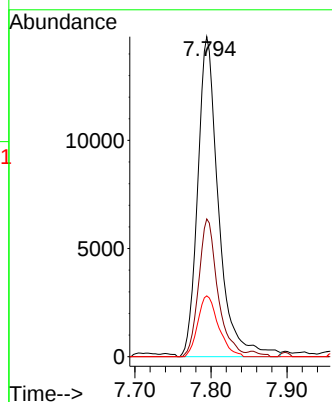
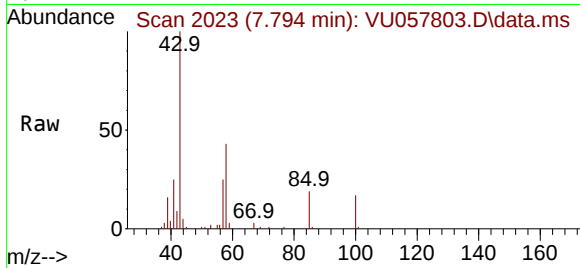
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 28200 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 39.5  | 20.9  | 62.8  |
| 85        | 18.8  | 14.6  | 21.8  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#46

t-1,4-Dichloro-2-butene

Concen: 1.528 ug/l m

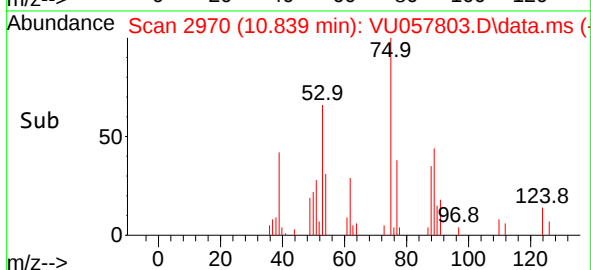
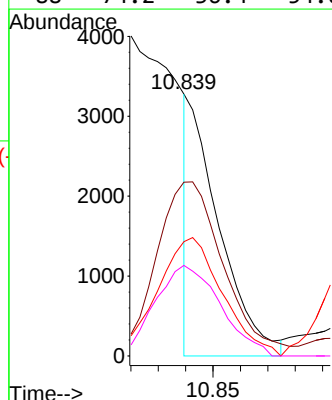
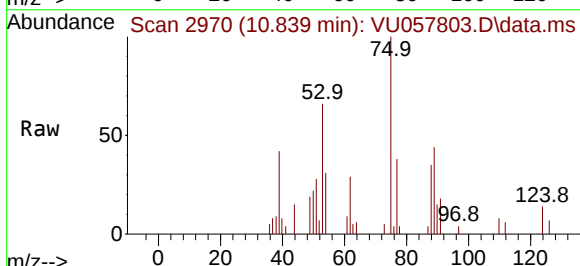
RT: 10.839 min Scan# 2970

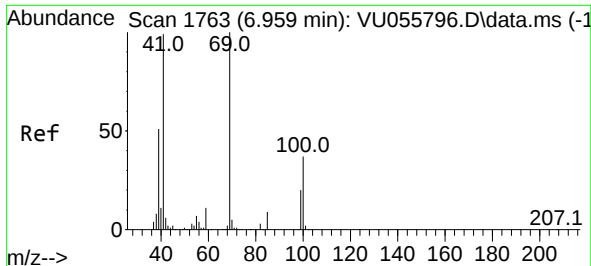
Delta R.T. 0.003 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

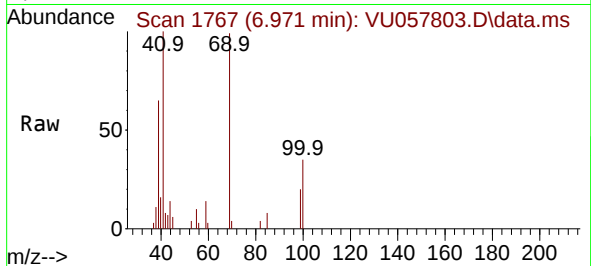
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 2524   |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 53        | 148.3 | 73.3  | 109.9# |
| 89        | 96.5  | 48.2  | 72.4#  |
| 88        | 74.2  | 36.4  | 54.6#  |





#47  
Methyl methacrylate  
Concen: 1.799 ug/l  
RT: 6.971 min Scan# 1767  
Delta R.T. 0.010 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

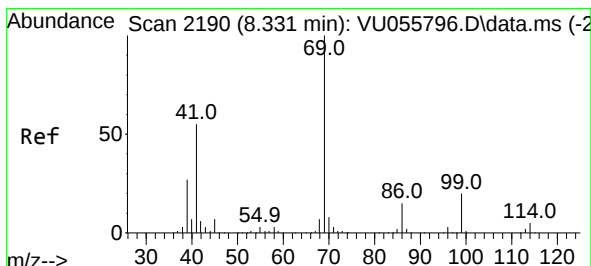
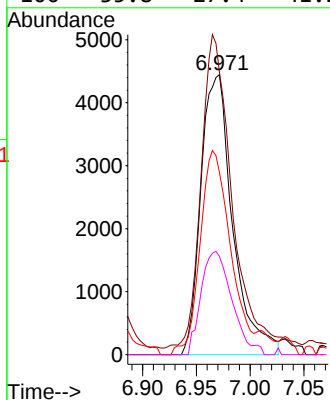
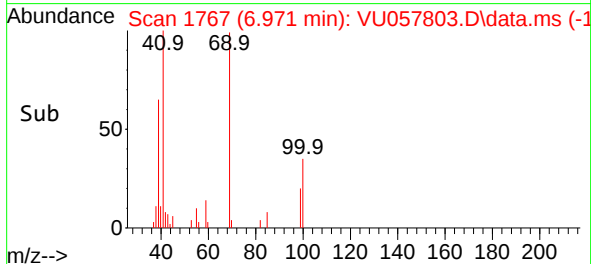
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



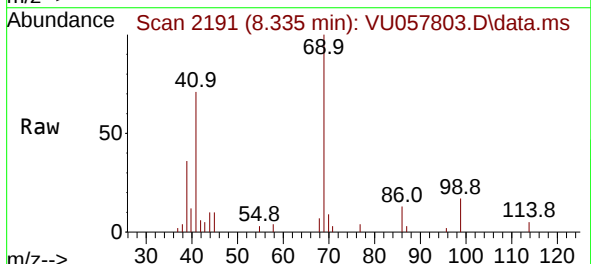
Tgt Ion: 69 Resp: 914  
Ion Ratio Lower Upper  
69 100  
41 108.7 0.0 209.2  
39 69.5 46.7 70.1  
100 35.8 27.4 41.2

Manual Integrations  
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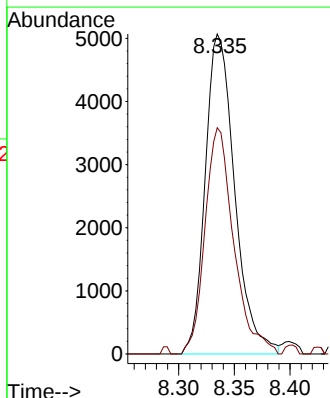
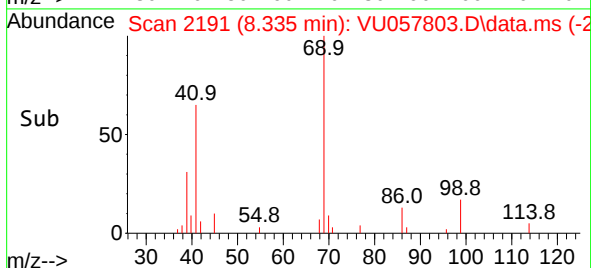
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024

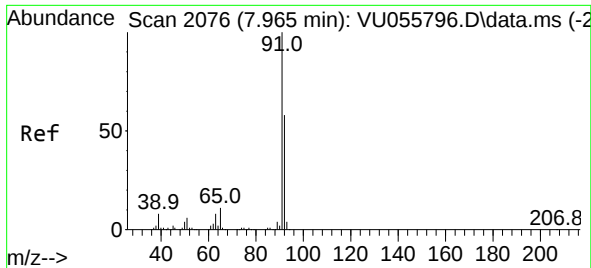


#48  
Ethyl methacrylate  
Concen: 0.923 ug/l  
RT: 8.335 min Scan# 2191  
Delta R.T. 0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



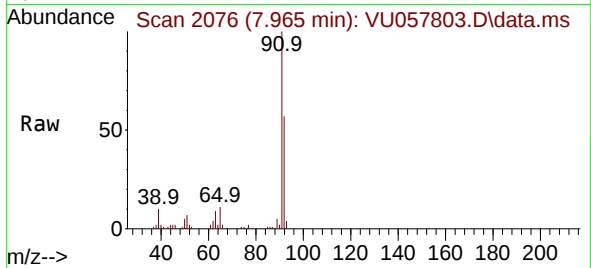
Tgt Ion: 69 Resp: 9334  
Ion Ratio Lower Upper  
69 100  
41 69.0 30.3 90.8





#49  
Toluene  
Concen: 0.882 ug/l  
RT: 7.965 min Scan# 2076  
Delta R.T. 0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

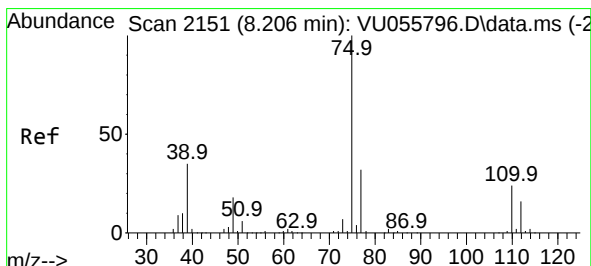
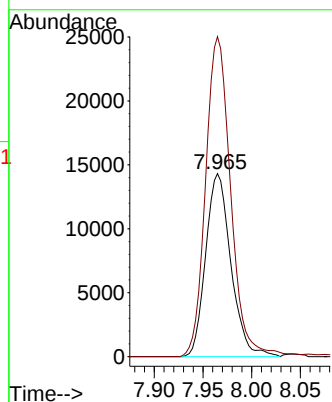
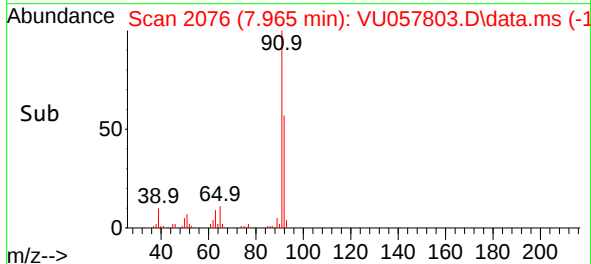
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



Tgt Ion: 92 Resp: 25762  
Ion Ratio Lower Upper  
92 100  
91 174.4 143.0 214.6

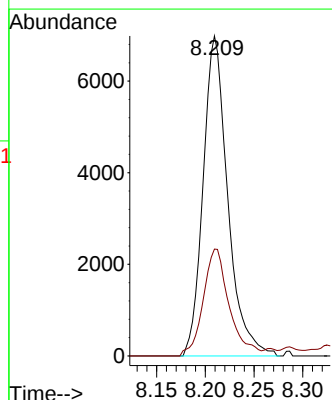
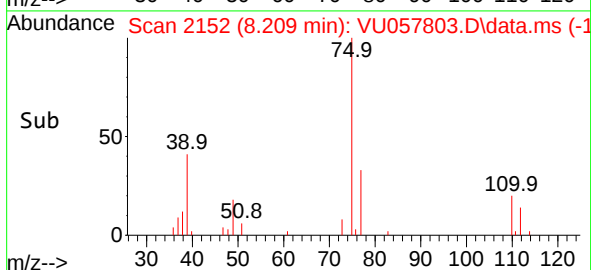
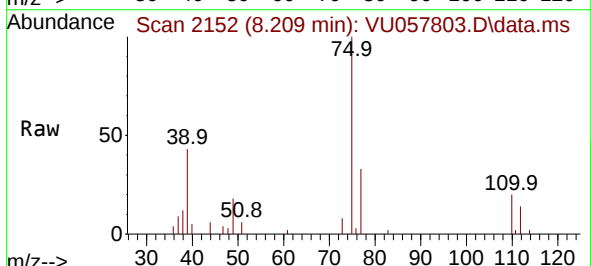
Manual Integrations  
APPROVED

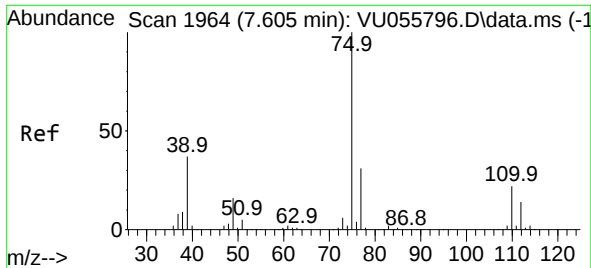
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#50  
t-1,3-Dichloropropene  
Concen: 0.885 ug/l  
RT: 8.209 min Scan# 2152  
Delta R.T. 0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

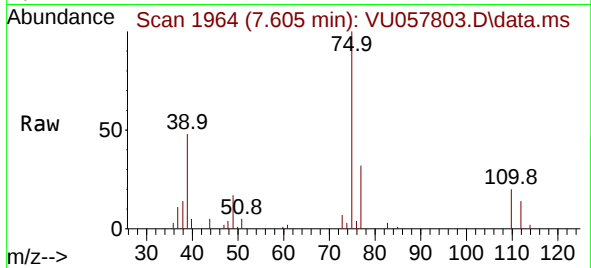
Tgt Ion: 75 Resp: 12287  
Ion Ratio Lower Upper  
75 100  
77 33.4 25.3 37.9





#51  
 cis-1,3-Dichloropropene  
 Concen: 0.884 ug/l  
 RT: 7.605 min Scan# 1964  
 Delta R.T. 0.003 min  
 Lab File: VU057803.D  
 Acq: 05 Feb 2024 12:13

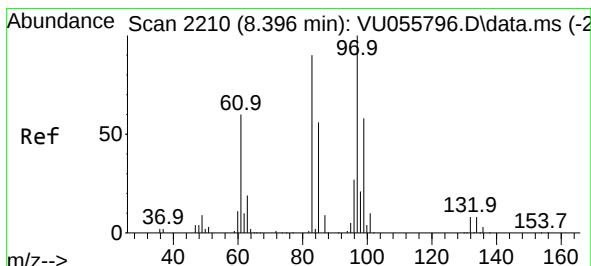
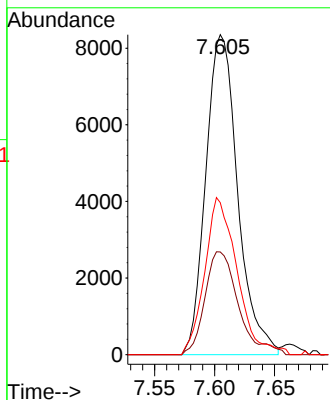
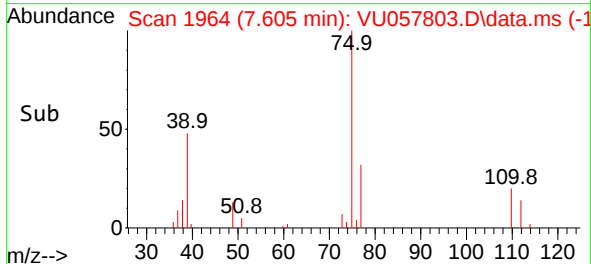
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001



Tgt Ion: 75 Resp: 1547  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 25.7 38.5  
 39 45.7 32.8 49.2

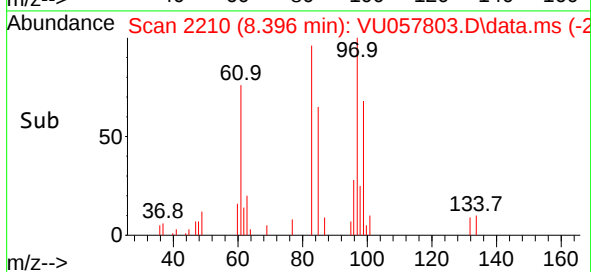
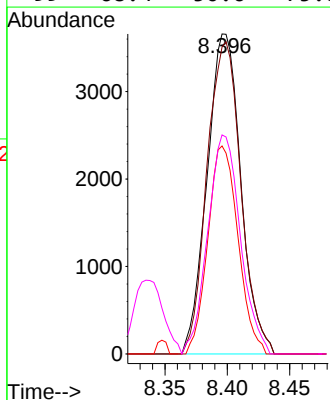
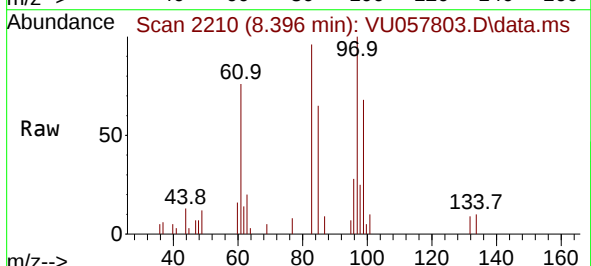
Manual Integrations  
 APPROVED

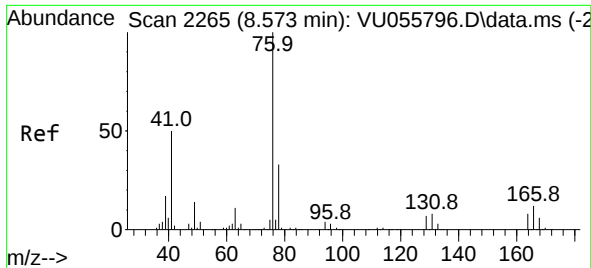
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024



#52  
 1,1,2-Trichloroethane  
 Concen: 0.874 ug/l  
 RT: 8.396 min Scan# 2210  
 Delta R.T. -0.000 min  
 Lab File: VU057803.D  
 Acq: 05 Feb 2024 12:13

Tgt Ion: 97 Resp: 6907  
 Ion Ratio Lower Upper  
 97 100  
 83 95.9 71.8 107.8  
 85 65.0 45.2 67.8  
 99 68.4 50.6 75.8





#53

1,3-Dichloropropane

Concen: 0.906 ug/l

RT: 8.573 min Scan# 2265

Delta R.T. 0.003 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 12910

Ion Ratio Lower Upper

76 100

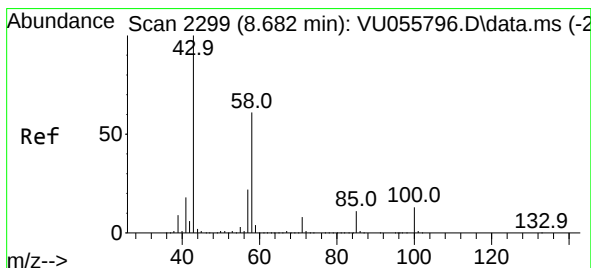
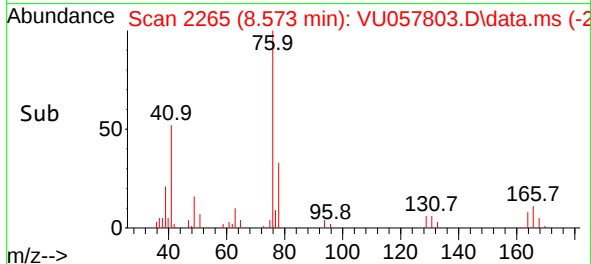
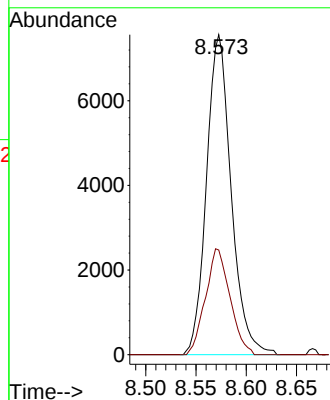
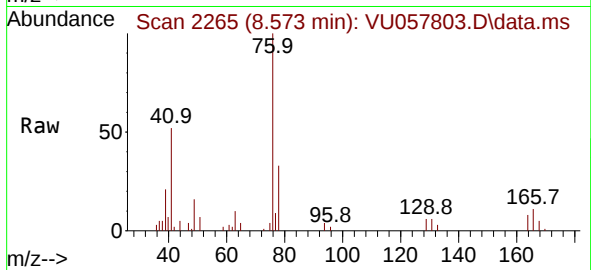
78 32.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#54

2-Hexanone

Concen: 4.835 ug/l

RT: 8.688 min Scan# 2301

Delta R.T. 0.003 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

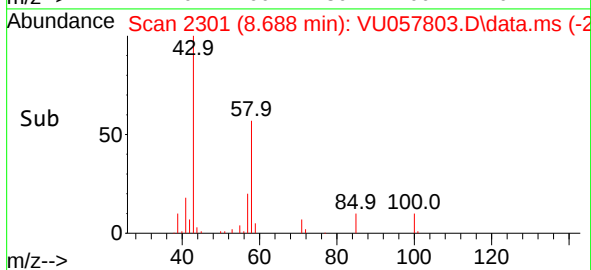
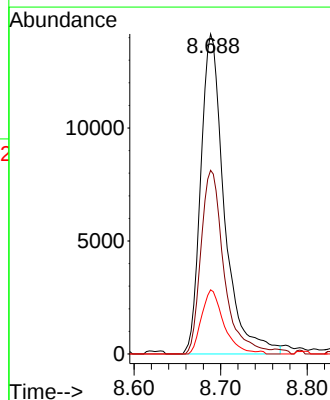
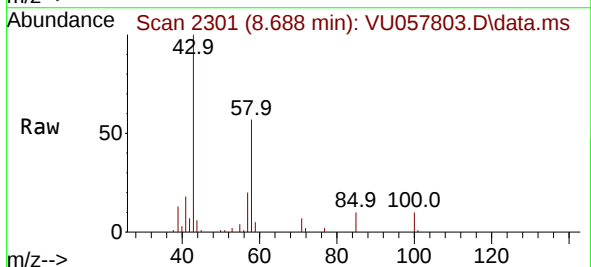
Tgt Ion: 43 Resp: 26804

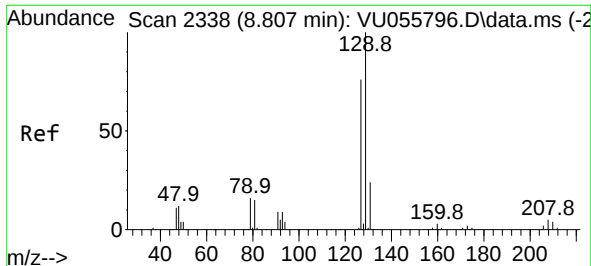
Ion Ratio Lower Upper

43 100

58 56.0 38.2 78.2

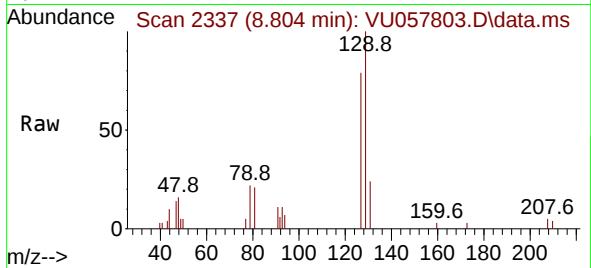
57 18.8 0.0 39.1





#55  
Dibromochloromethane  
Concen: 0.852 ug/l  
RT: 8.804 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

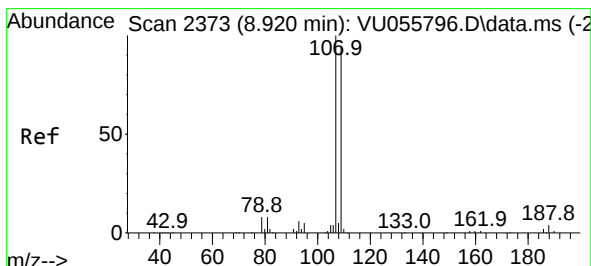
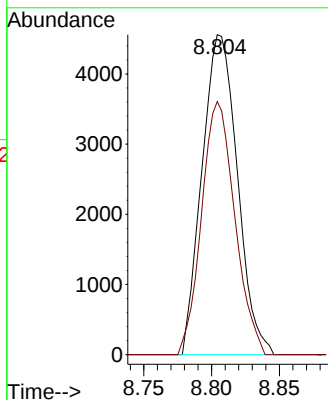
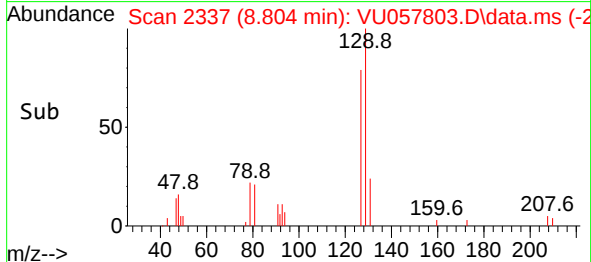
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



Tgt Ion:129 Resp: 8280  
Ion Ratio Lower Upper  
129 100  
127 74.2 61.4 92.0

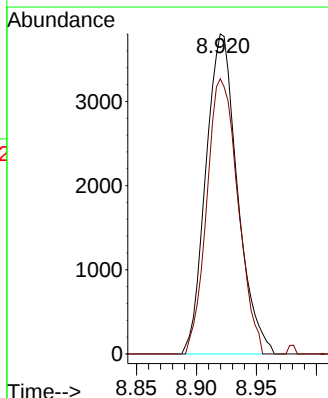
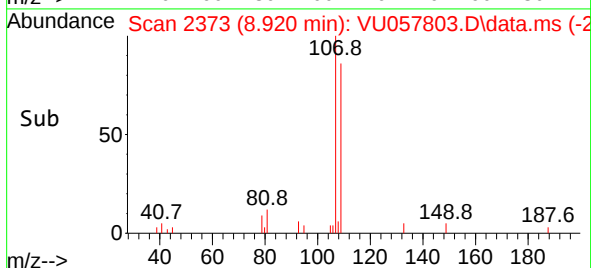
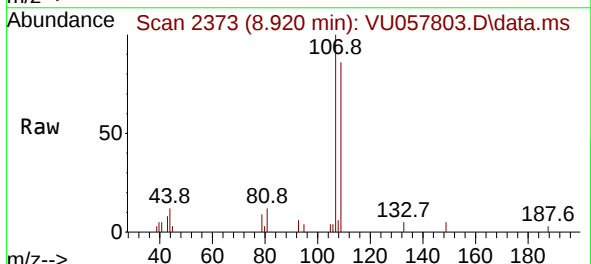
Manual Integrations  
APPROVED

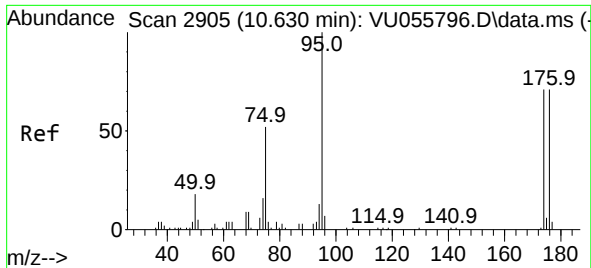
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#56  
1,2-Dibromoethane  
Concen: 0.960 ug/l  
RT: 8.920 min Scan# 2373  
Delta R.T. 0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

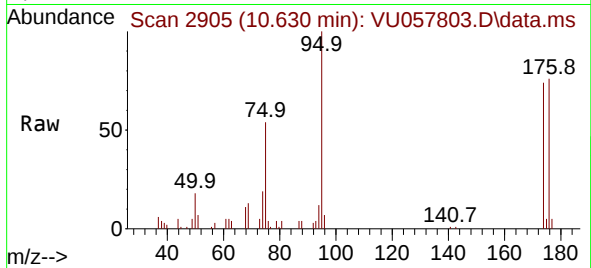
Tgt Ion:107 Resp: 6962  
Ion Ratio Lower Upper  
107 100  
109 84.9 0.0 184.4





#57  
4-Bromofluorobenzene  
Concen: 1.001 ug/l  
RT: 10.630 min Scan# 2905  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

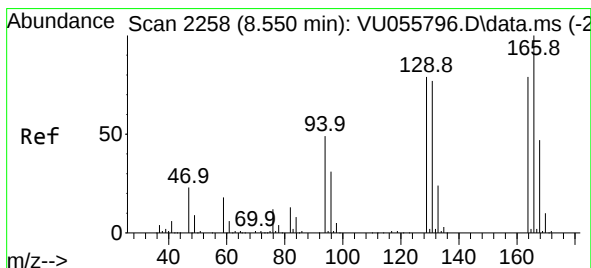
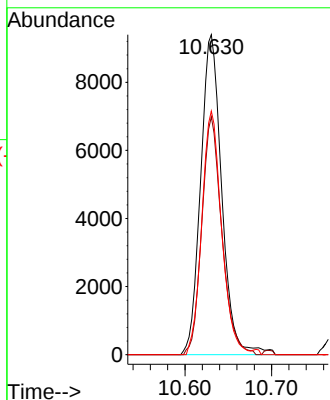
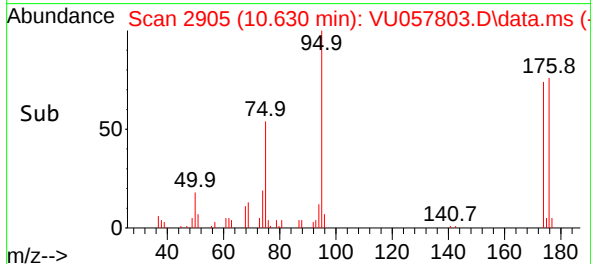
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



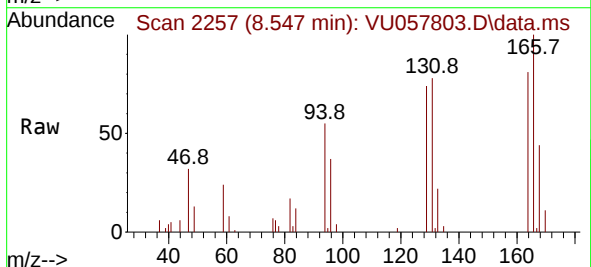
Tgt Ion: 95 Resp: 1593  
Ion Ratio Lower Upper  
95 100  
174 70.4 63.3 94.9  
176 71.4 59.3 88.9

Manual Integrations  
APPROVED

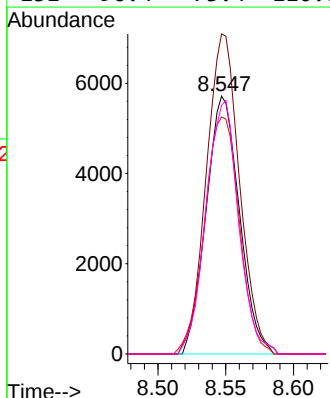
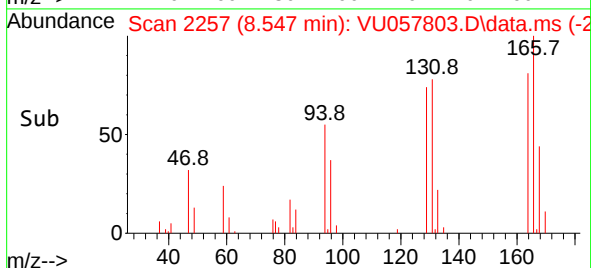
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024

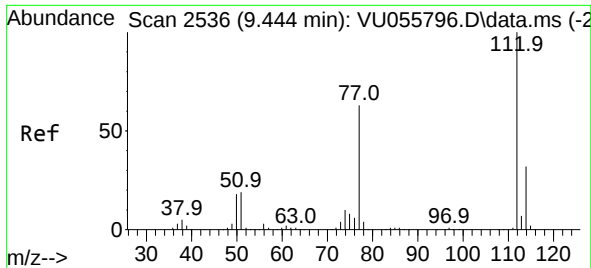


#58  
Tetrachloroethene  
Concen: 0.873 ug/l  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



Tgt Ion:164 Resp: 9744  
Ion Ratio Lower Upper  
164 100  
166 124.1 99.6 149.4  
129 91.9 78.6 117.8  
131 96.4 73.4 110.0





#59

Chlorobenzene

Concen: 0.876 ug/l

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion:112 Resp: 2813

Ion Ratio Lower Upper

112 100

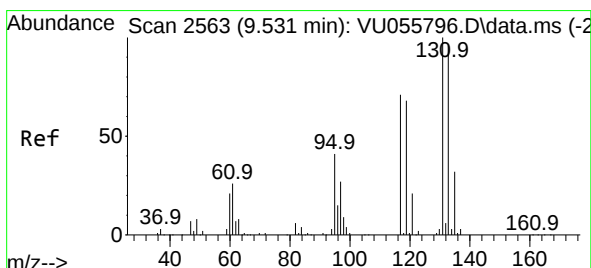
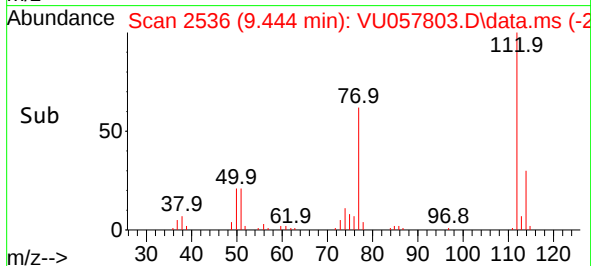
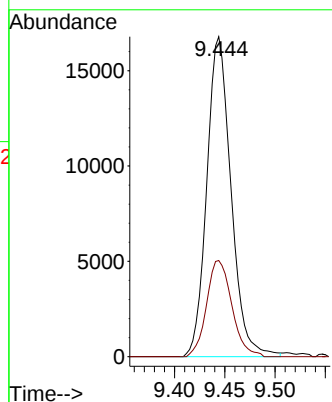
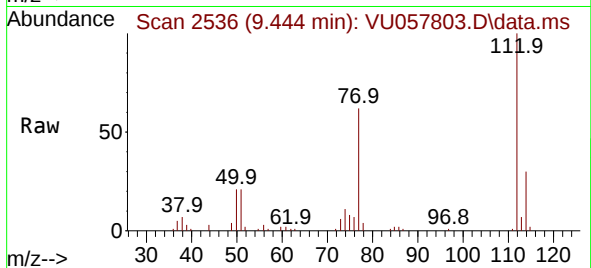
114 30.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#60

1,1,1,2-Tetrachloroethane

Concen: 0.859 ug/l

RT: 9.528 min Scan# 2562

Delta R.T. -0.000 min

Lab File: VU057803.D

Acq: 05 Feb 2024 12:13

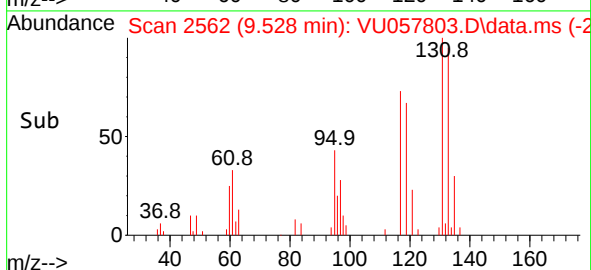
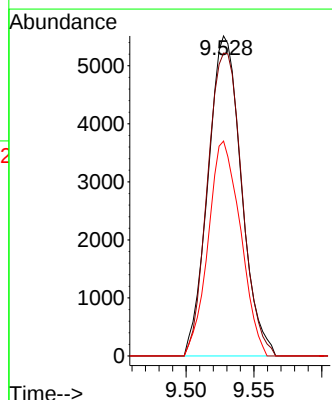
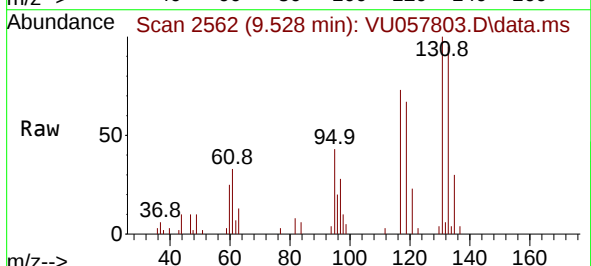
Tgt Ion:131 Resp: 9403

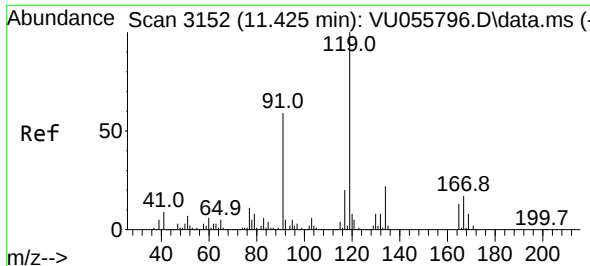
Ion Ratio Lower Upper

131 100

133 97.6 77.8 116.6

119 65.2 55.2 82.8





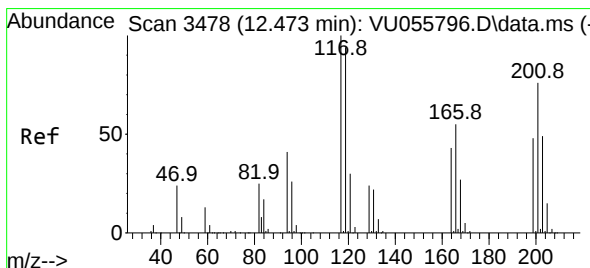
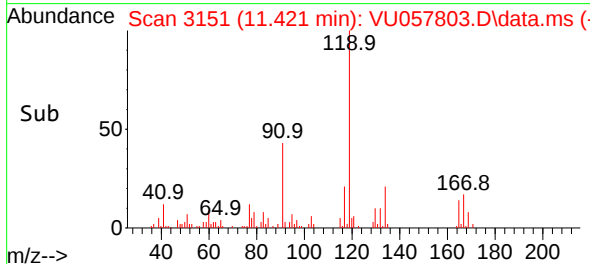
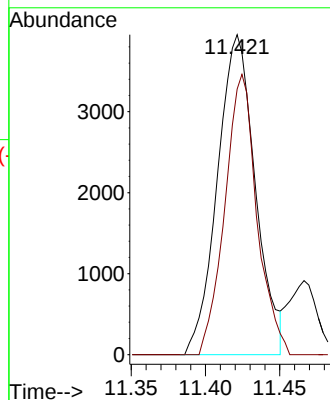
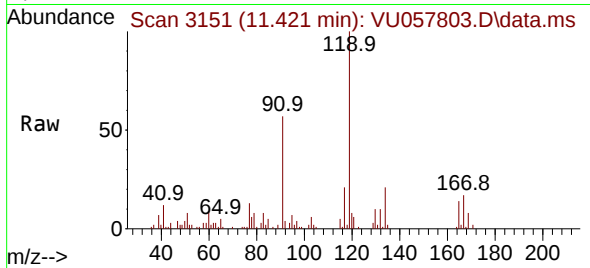
#61  
Pentachloroethane  
Concen: 0.893 ug/l  
RT: 11.421 min Scan# 3152  
Delta R.T. -0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion:117 Resp: 702  
Ion Ratio Lower Upper  
117 100  
167 73.9 56.7 85.1

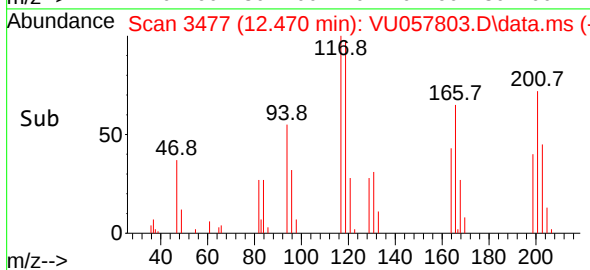
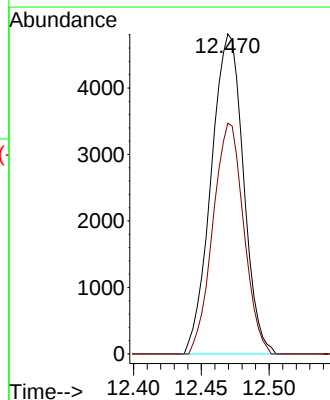
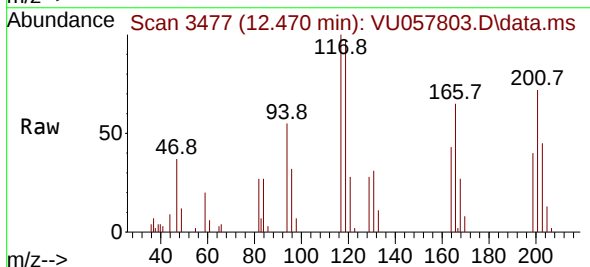
Manual Integrations  
APPROVED

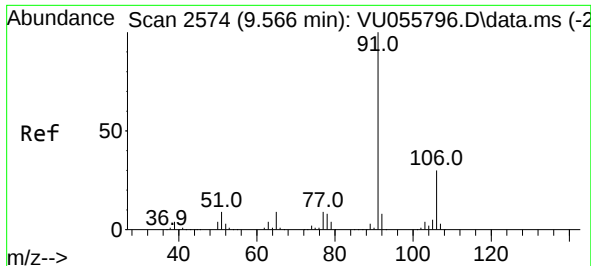
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#62  
Hexachloroethane  
Concen: 0.917 ug/l  
RT: 12.470 min Scan# 3477  
Delta R.T. -0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Tgt Ion:117 Resp: 7967  
Ion Ratio Lower Upper  
117 100  
201 68.8 59.6 89.4





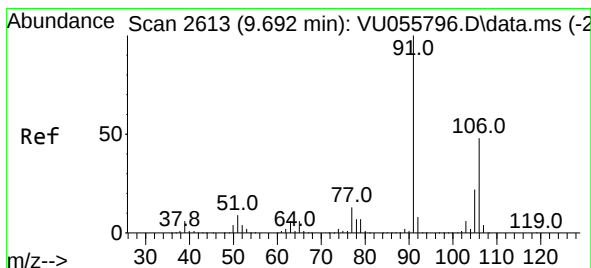
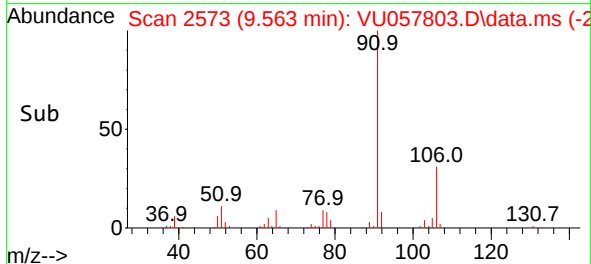
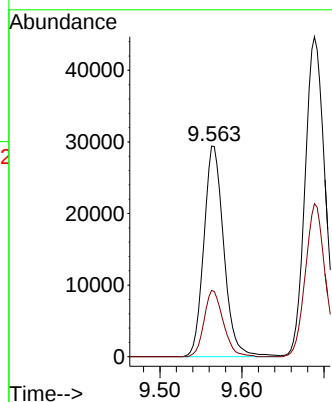
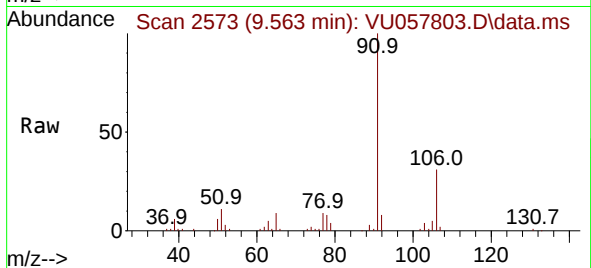
#63  
Ethyl Benzene  
Concen: 0.869 ug/l  
RT: 9.563 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 91 Resp: 49729  
Ion Ratio Lower Upper  
91 100  
106 31.4 24.2 36.2

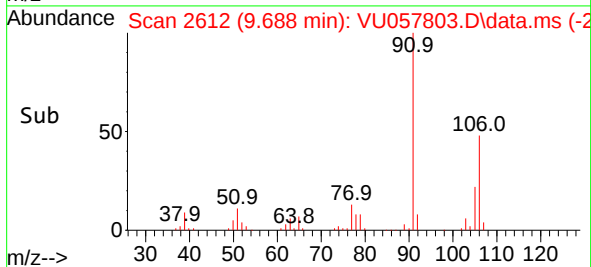
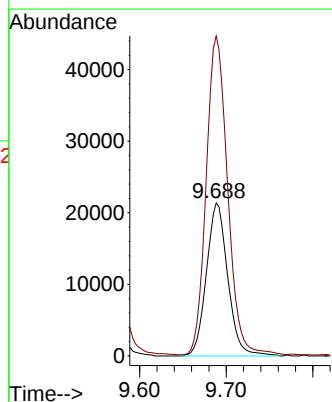
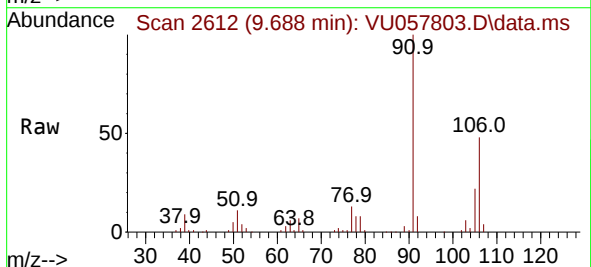
Manual Integrations  
APPROVED

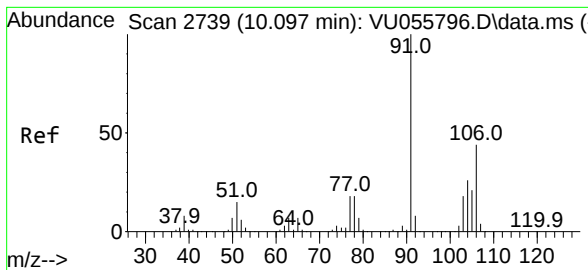
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#64  
m/p-Xylenes  
Concen: 1.763 ug/l  
RT: 9.688 min Scan# 2612  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Tgt Ion:106 Resp: 36593  
Ion Ratio Lower Upper  
106 100  
91 209.1 167.3 250.9





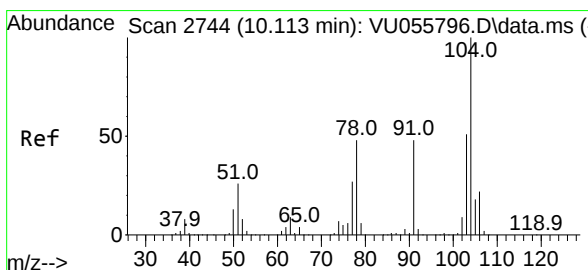
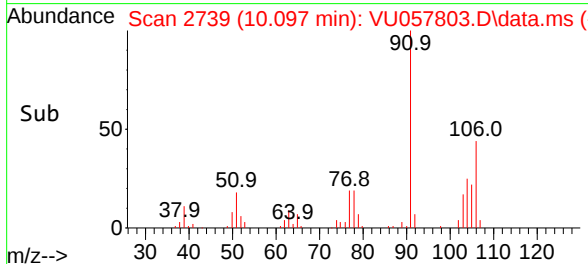
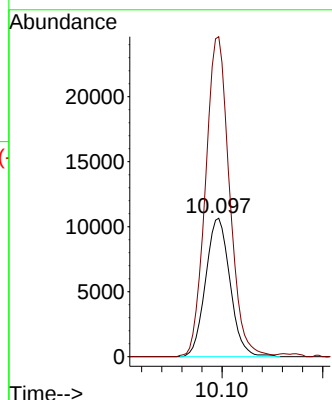
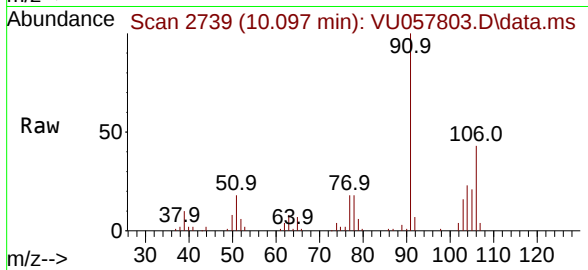
#65  
o-Xylene  
Concen: 0.874 ug/l  
RT: 10.097 min Scan# 2739  
Delta R.T. 0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion:106 Resp: 1795  
Ion Ratio Lower Upper  
106 100  
91 227.4 109.3 327.9

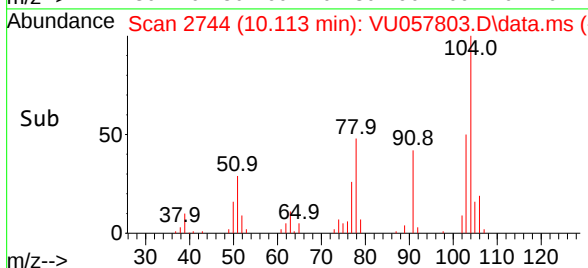
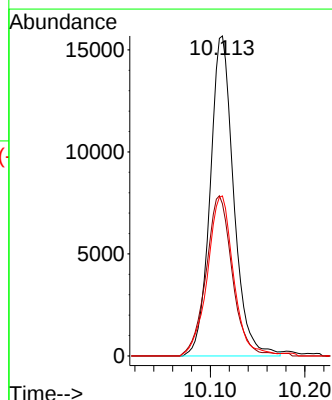
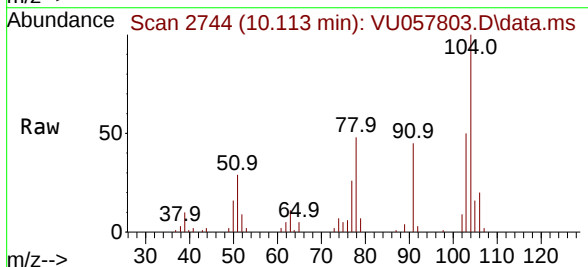
Manual Integrations  
APPROVED

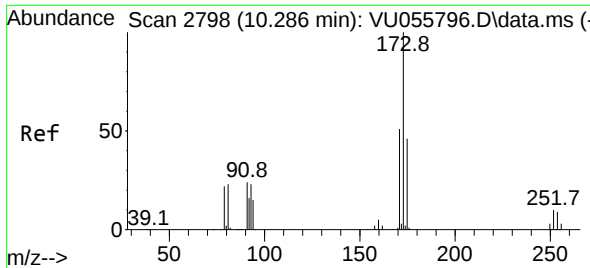
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#66  
Styrene  
Concen: 0.885 ug/l  
RT: 10.113 min Scan# 2744  
Delta R.T. 0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Tgt Ion:104 Resp: 27172  
Ion Ratio Lower Upper  
104 100  
78 55.8 39.7 59.5  
103 55.3 44.8 67.2





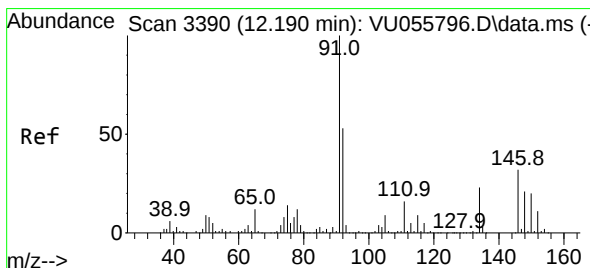
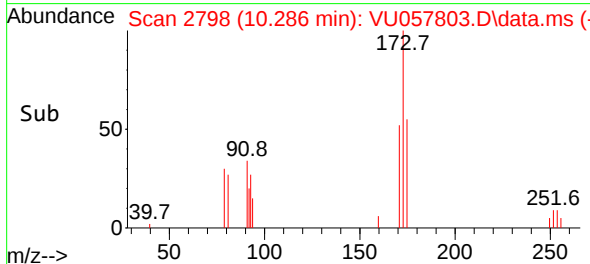
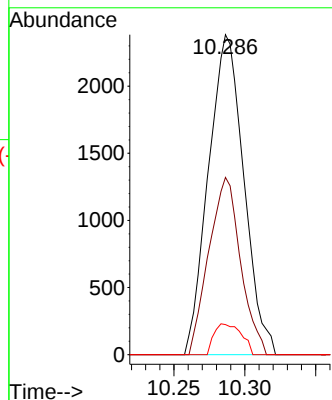
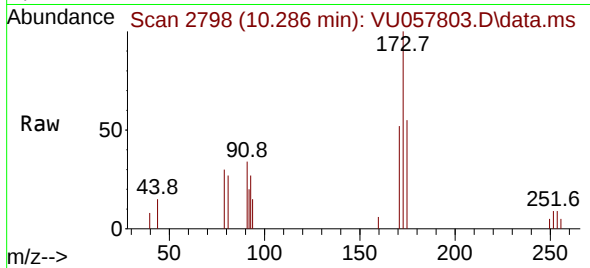
#67  
Bromoform  
Concen: 0.835 ug/l  
RT: 10.286 min Scan# 2798  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion:173 Resp: 413  
Ion Ratio Lower Upper  
173 100  
175 49.7 39.0 58.6  
254 7.4 7.4 11.0

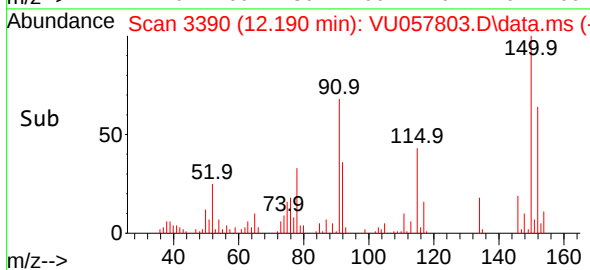
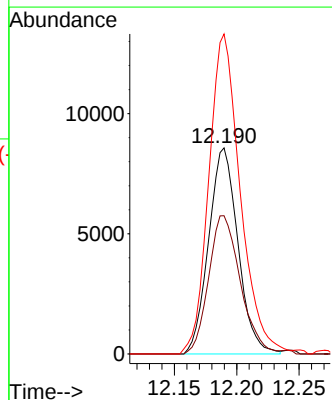
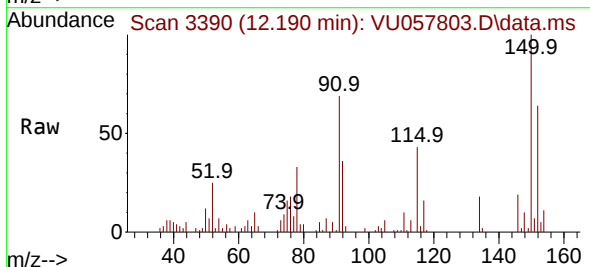
Manual Integrations  
APPROVED

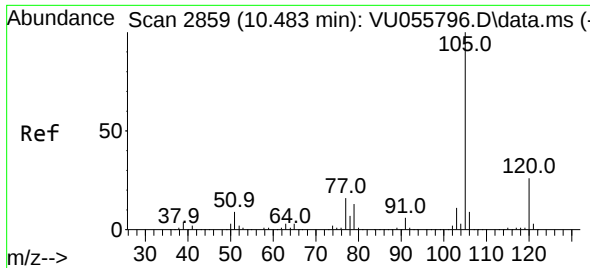
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#68  
1,2-Dichlorobenzene-d4  
Concen: 0.986 ug/l  
RT: 12.190 min Scan# 3390  
Delta R.T. -0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Tgt Ion:152 Resp: 14049  
Ion Ratio Lower Upper  
152 100  
115 72.5 0.0 308.8  
150 166.4 0.0 635.0





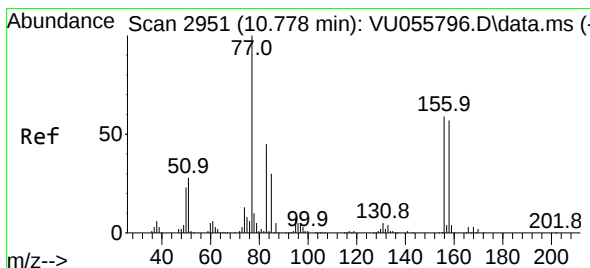
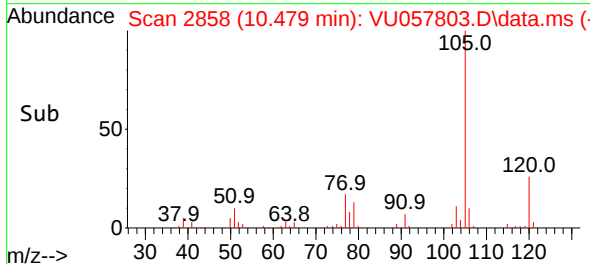
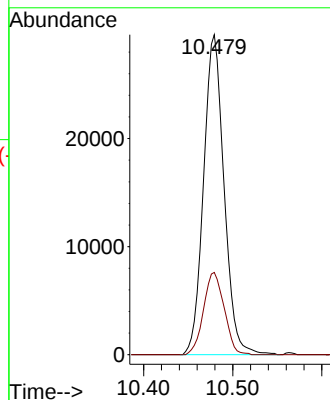
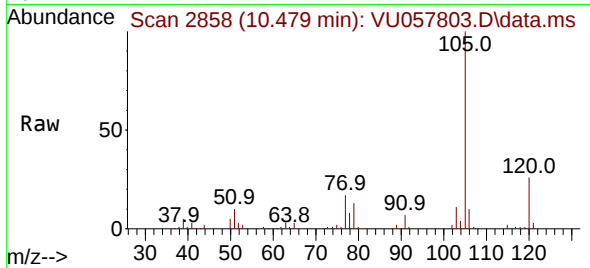
#69  
Isopropylbenzene  
Concen: 0.878 ug/l  
RT: 10.479 min Scan# 2859  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 105 Resp: 4722  
Ion Ratio Lower Upper  
105 100  
120 25.9 12.8 38.4

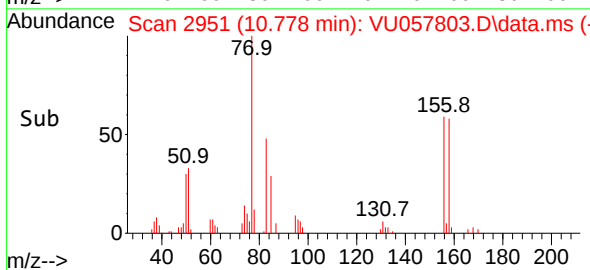
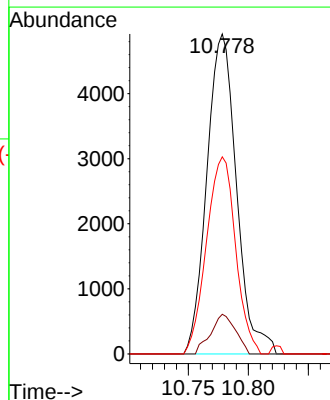
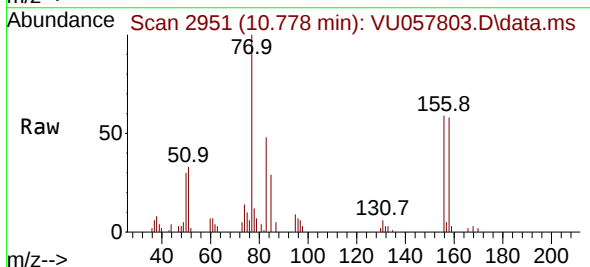
Manual Integrations  
APPROVED

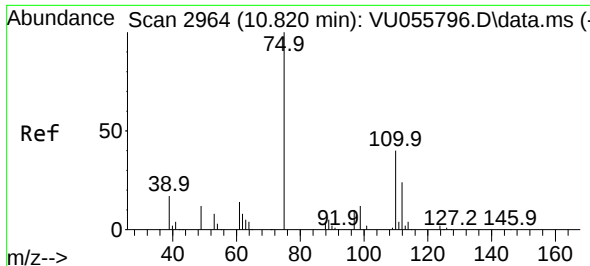
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.864 ug/l  
RT: 10.778 min Scan# 2951  
Delta R.T. -0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

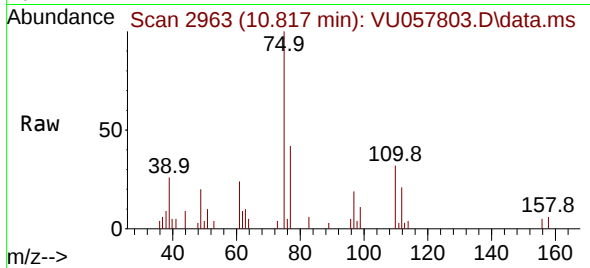
Tgt Ion: 83 Resp: 8445  
Ion Ratio Lower Upper  
83 100  
131 10.4 7.2 10.8  
85 60.4 50.5 75.7





#71  
1,2,3-Trichloropropane  
Concen: 0.945 ug/l m  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.016 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

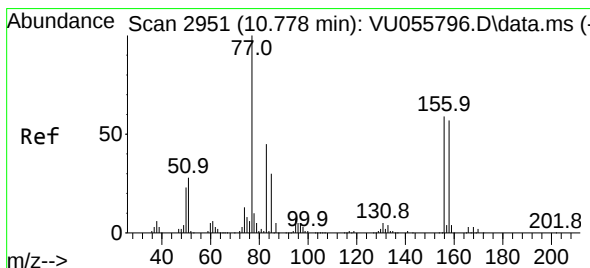
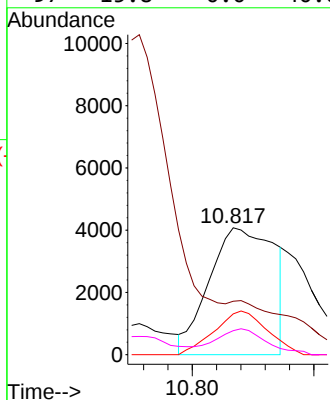
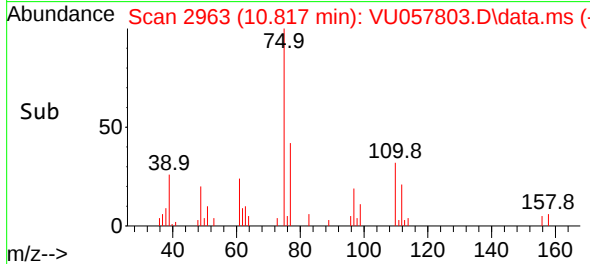
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



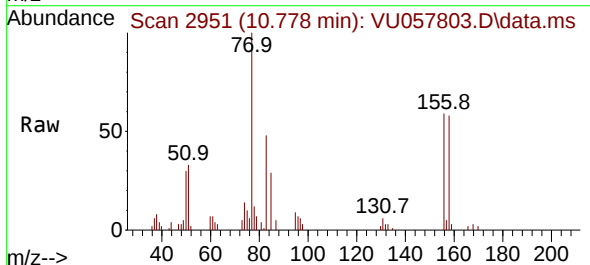
| Tgt Ion:  | 75    | Resp: | 757   |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 116.4 |
| 110       | 27.9  | 0.0   | 74.6  |
| 97        | 15.8  | 0.0   | 40.0  |

Manual Integrations  
APPROVED

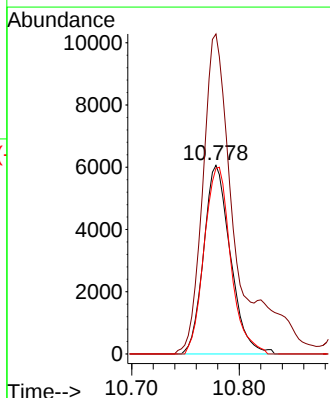
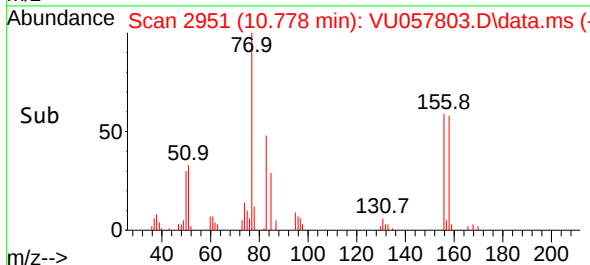
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024

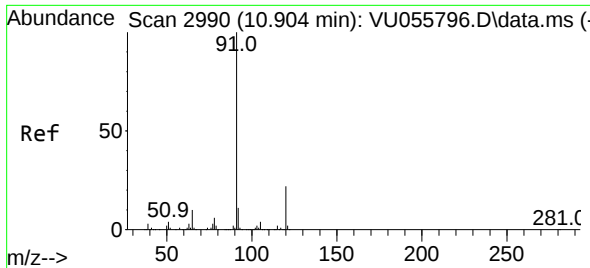


#72  
Bromobenzene  
Concen: 0.893 ug/l  
RT: 10.778 min Scan# 2951  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



| Tgt Ion:  | 156   | Resp: | 10497 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 176.0 | 0.0   | 343.0 |
| 158       | 98.2  | 0.0   | 194.8 |





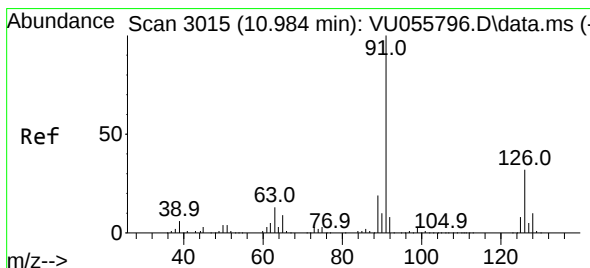
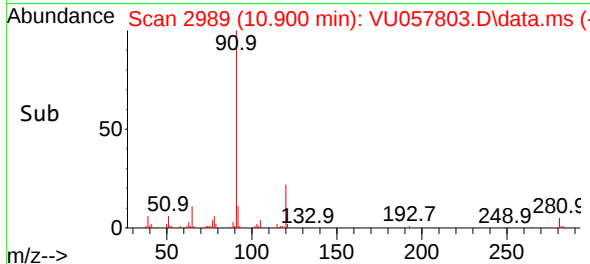
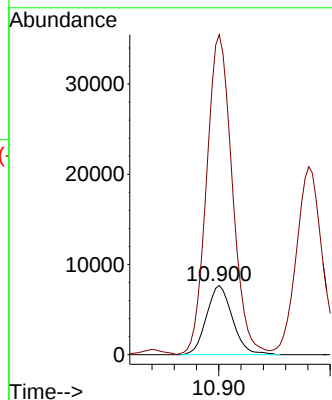
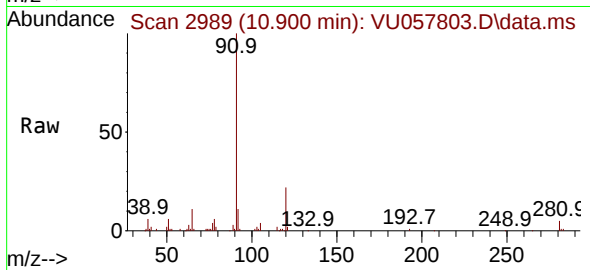
#73  
n-propylbenzene  
Concen: 0.912 ug/l  
RT: 10.900 min Scan# 2990  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion:120 Resp: 12380  
Ion Ratio Lower Upper  
120 100  
91 460.0 369.8 554.6

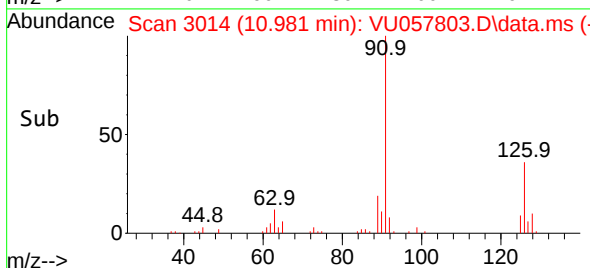
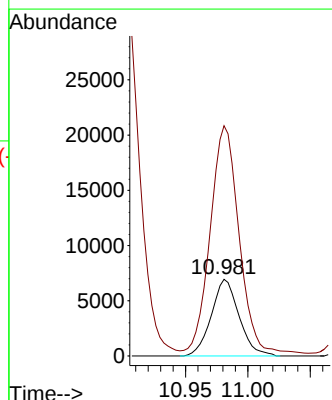
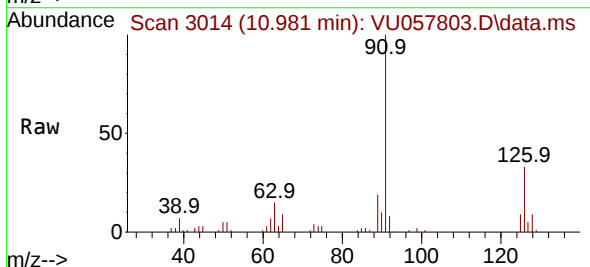
Manual Integrations  
APPROVED

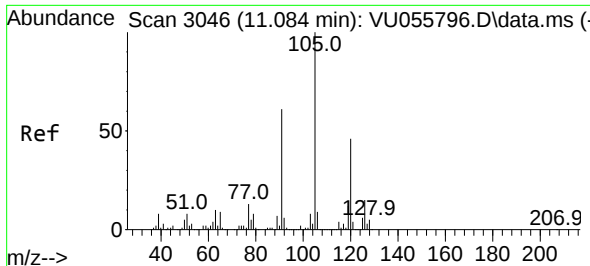
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#74  
2-Chlorotoluene  
Concen: 0.861 ug/l  
RT: 10.981 min Scan# 3014  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

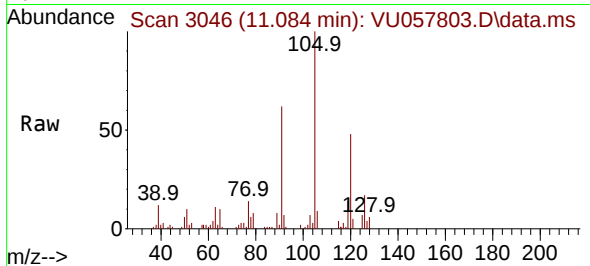
Tgt Ion:126 Resp: 10744  
Ion Ratio Lower Upper  
126 100  
91 316.6 0.0 610.0





#75  
1,3,5-Trimethylbenzene  
Concen: 0.852 ug/l  
RT: 11.084 min Scan# 3046  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

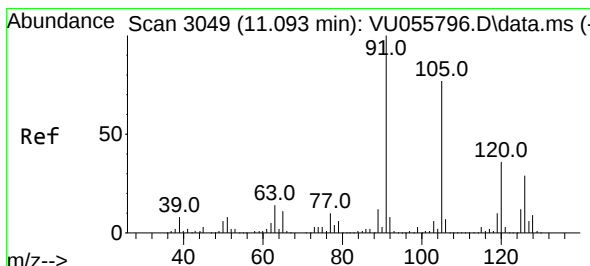
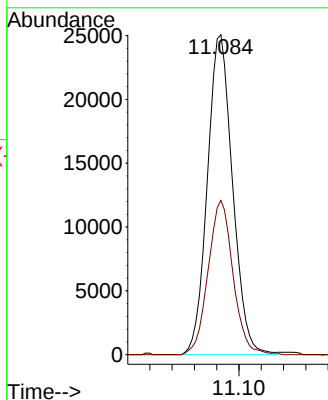
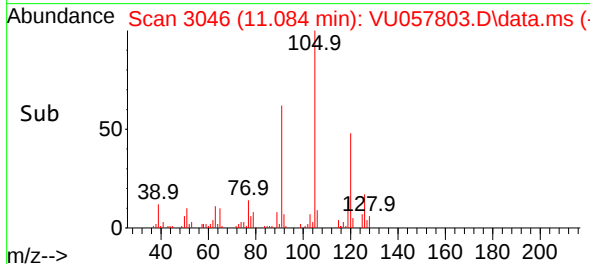
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



Tgt Ion:105 Resp: 3945  
Ion Ratio Lower Upper  
105 100  
120 47.6 37.8 56.8

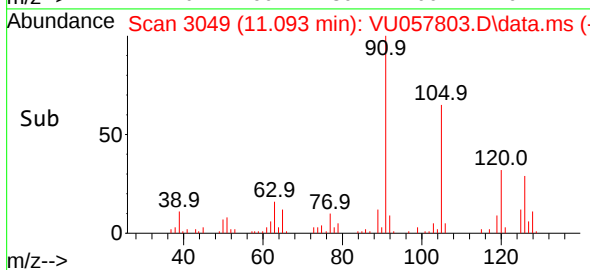
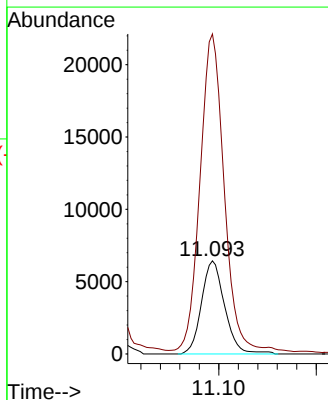
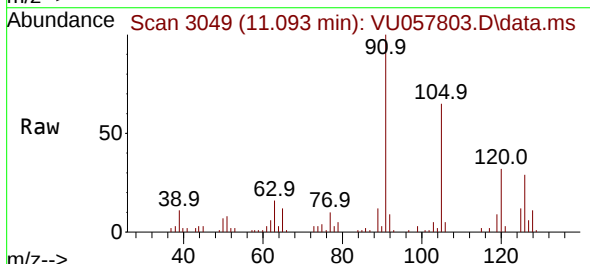
Manual Integrations  
APPROVED

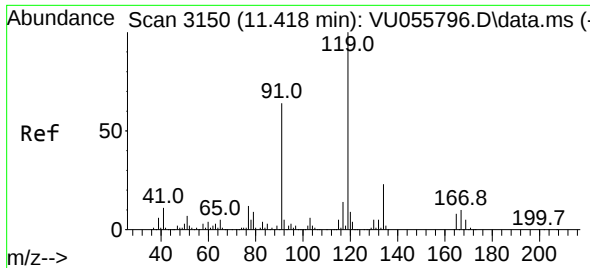
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#76  
4-Chlorotoluene  
Concen: 0.845 ug/l  
RT: 11.093 min Scan# 3049  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

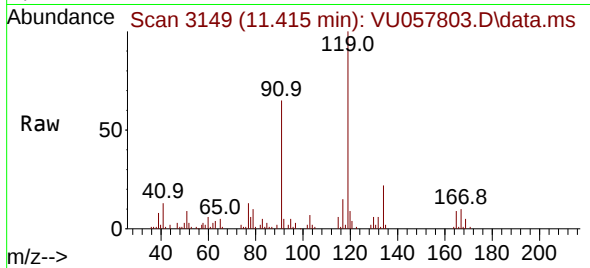
Tgt Ion:126 Resp: 10626  
Ion Ratio Lower Upper  
126 100  
91 357.5 0.0 686.2





#77  
tert-Butylbenzene  
Concen: 0.867 ug/l  
RT: 11.415 min Scan# 3150  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

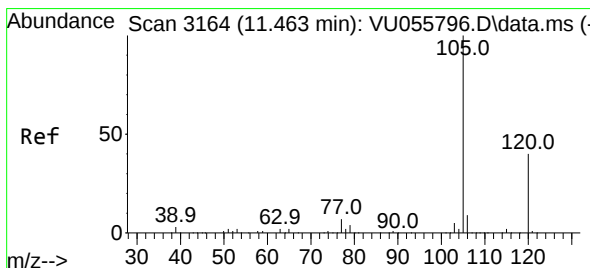
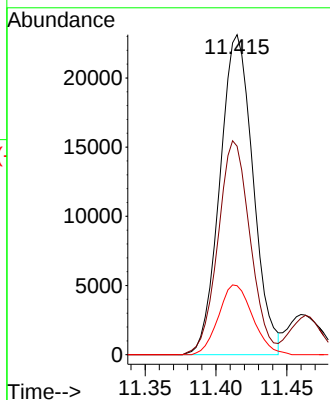
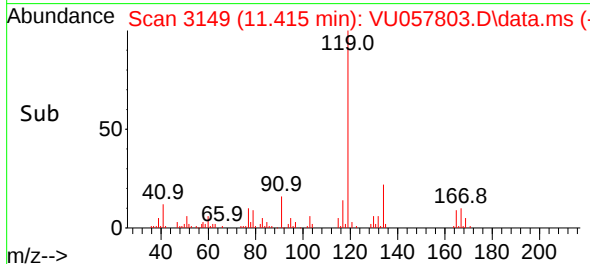
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



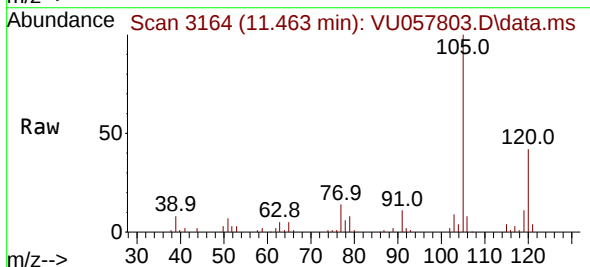
Tgt Ion:119 Resp: 37720  
Ion Ratio Lower Upper  
119 100  
91 65.0 30.8 92.4  
134 22.4 18.0 27.0

Manual Integrations  
APPROVED

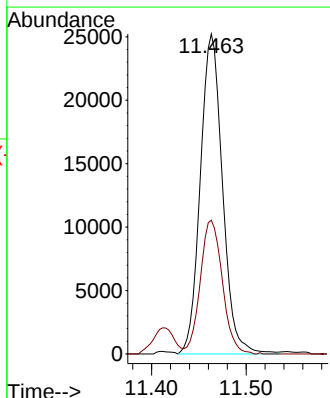
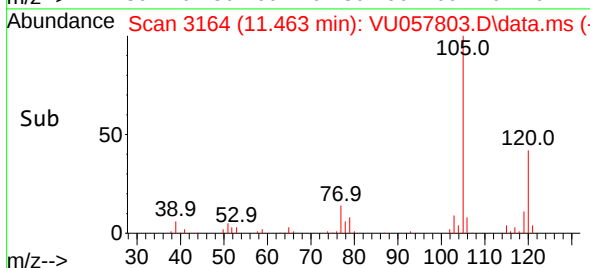
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024

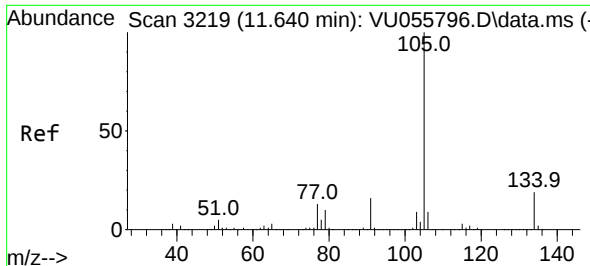


#78  
1,2,4-Trimethylbenzene  
Concen: 0.876 ug/l  
RT: 11.463 min Scan# 3164  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



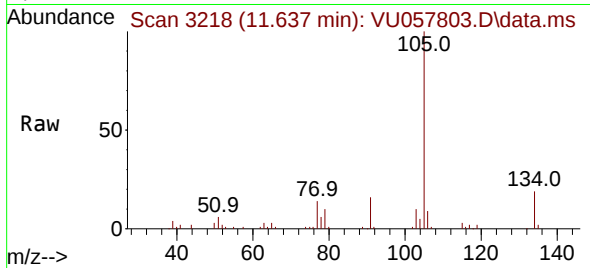
Tgt Ion:105 Resp: 41102  
Ion Ratio Lower Upper  
105 100  
120 41.5 21.9 65.8





#79  
sec-Butylbenzene  
Concen: 0.912 ug/l  
RT: 11.637 min Scan# 311  
Delta R.T. -0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

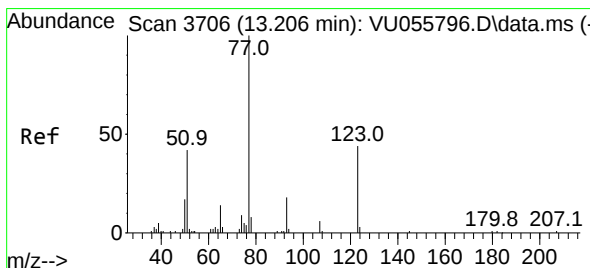
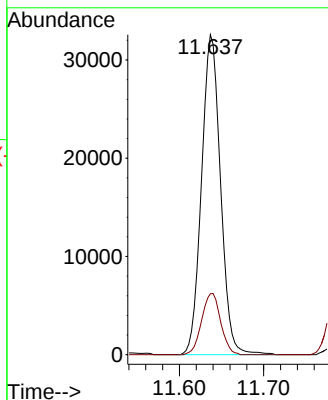
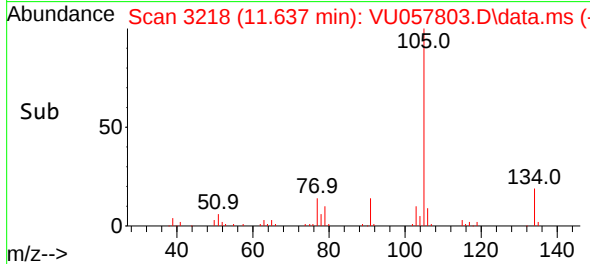
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



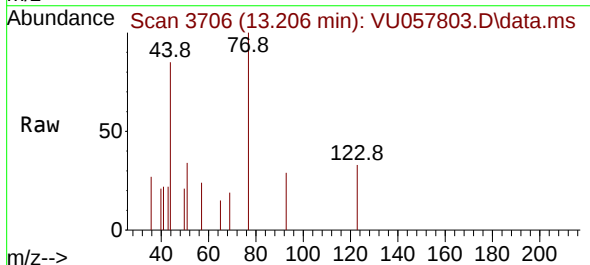
Tgt Ion:105 Resp: 5118  
Ion Ratio Lower Upper  
105 100  
134 19.1 14.9 22.3

Manual Integrations  
APPROVED

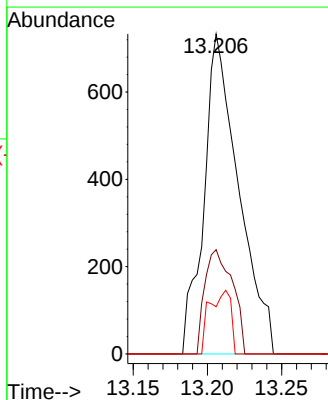
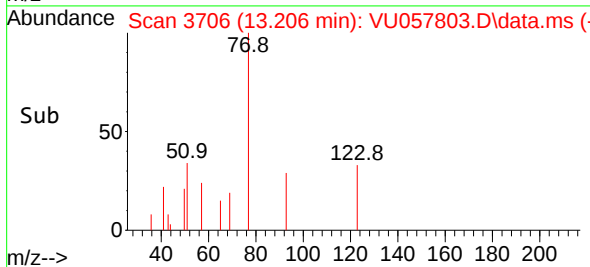
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024

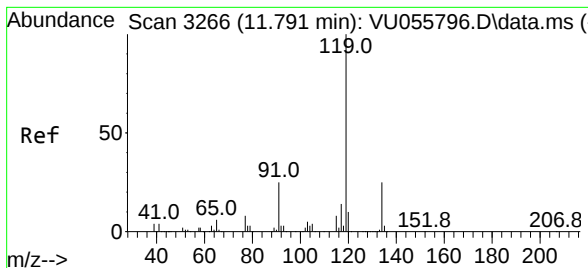


#80  
Nitrobenzene  
Concen: 5.860 ug/l  
RT: 13.206 min Scan# 3706  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



Tgt Ion: 77 Resp: 1192  
Ion Ratio Lower Upper  
77 100  
123 25.8 19.7 69.7  
65 12.1 11.5 14.7





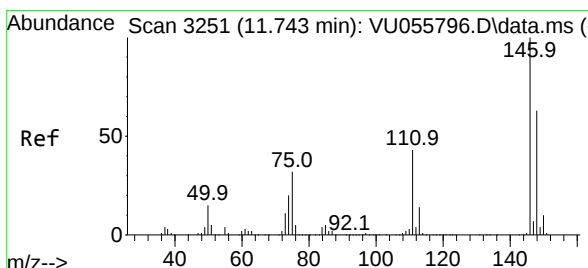
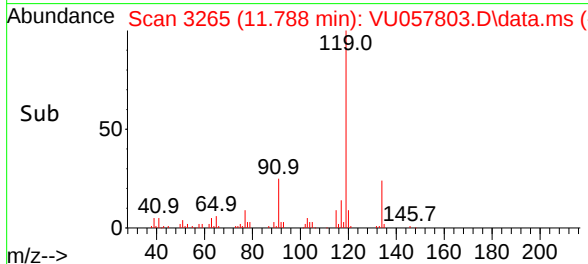
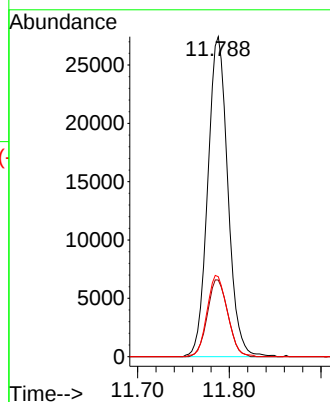
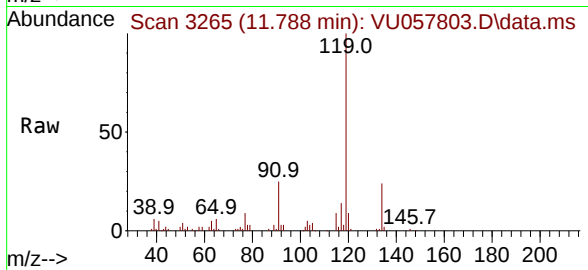
#81  
p-Isopropyltoluene  
Concen: 0.889 ug/l  
RT: 11.788 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion:119 Resp: 4169  
Ion Ratio Lower Upper  
119 100  
134 24.6 20.2 30.4  
91 25.8 19.3 28.9

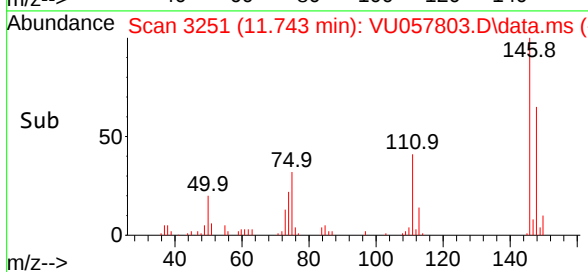
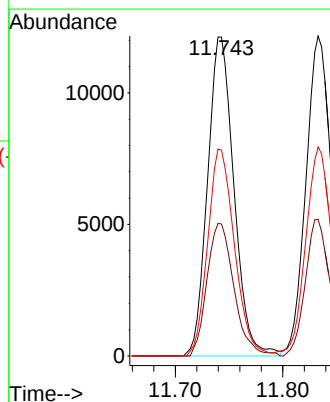
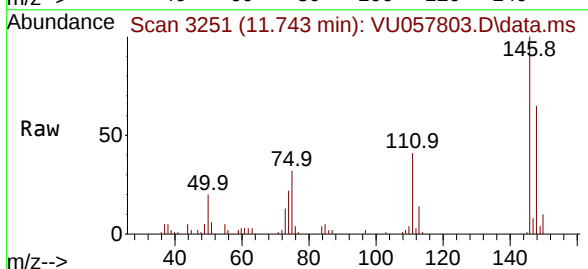
Manual Integrations  
APPROVED

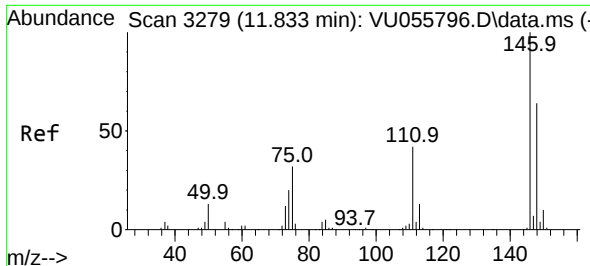
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#82  
1,3-Dichlorobenzene  
Concen: 0.867 ug/l  
RT: 11.743 min Scan# 3251  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

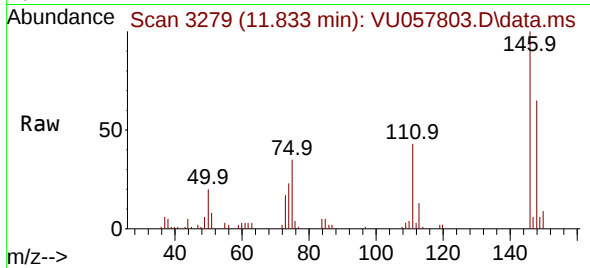
Tgt Ion:146 Resp: 20652  
Ion Ratio Lower Upper  
146 100  
111 42.5 32.6 49.0  
148 65.8 51.0 76.4





#83  
1,4-Dichlorobenzene  
Concen: 0.887 ug/l  
RT: 11.833 min Scan# 3279  
Delta R.T. -0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

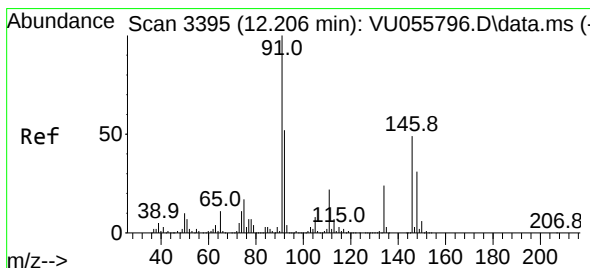
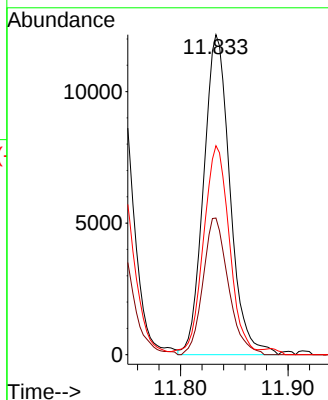
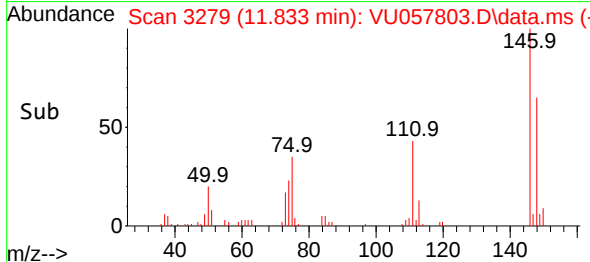
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



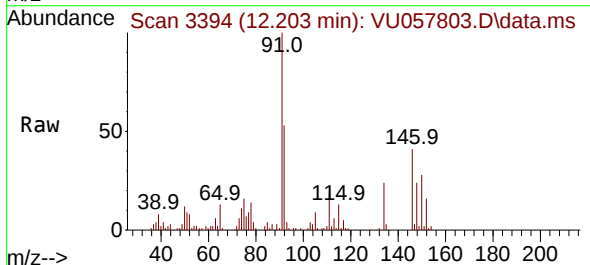
Tgt Ion:146 Resp: 2070  
Ion Ratio Lower Upper  
146 100  
111 41.0 31.6 47.4  
148 62.2 50.3 75.5

Manual Integrations  
APPROVED

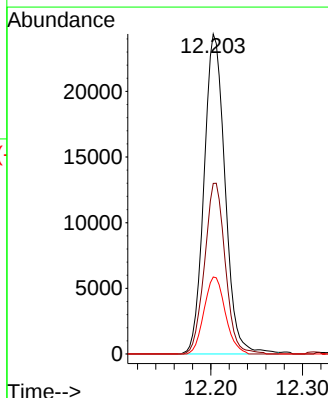
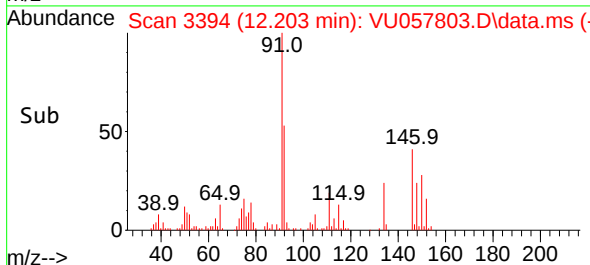
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024

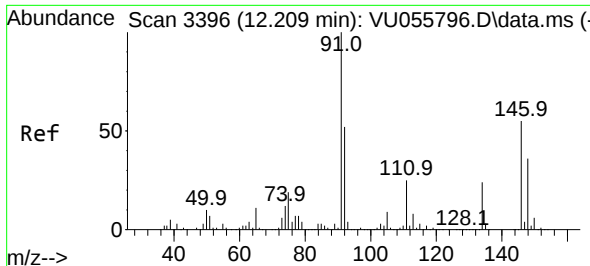


#84  
n-Butylbenzene  
Concen: 0.871 ug/l  
RT: 12.203 min Scan# 3394  
Delta R.T. -0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



Tgt Ion: 91 Resp: 38803  
Ion Ratio Lower Upper  
91 100  
92 52.6 40.8 61.2  
134 24.4 18.4 27.6





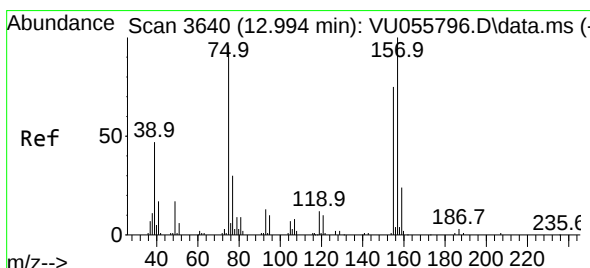
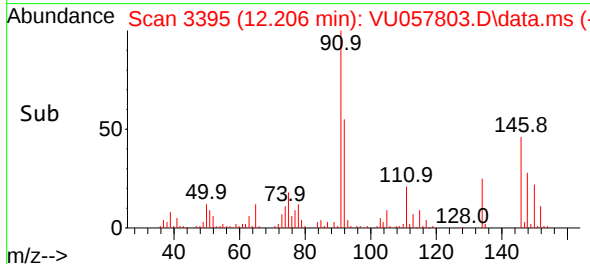
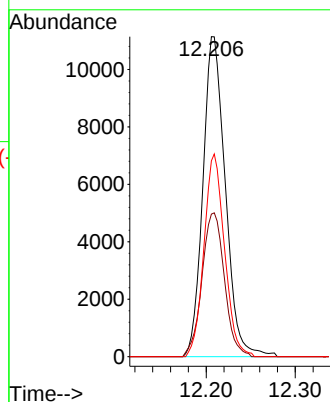
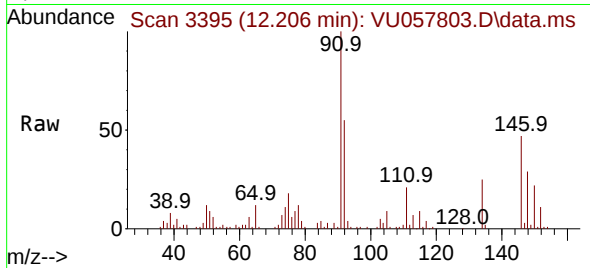
#85  
1,2-Dichlorobenzene  
Concen: 0.895 ug/l  
RT: 12.206 min Scan# 3111  
Delta R.T. -0.006 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion:146 Resp: 1948  
Ion Ratio Lower Upper  
146 100  
111 44.9 21.6 64.6  
148 58.0 32.1 96.5

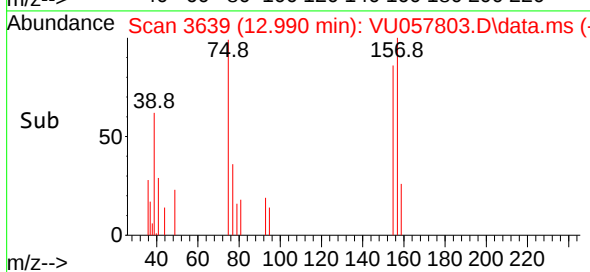
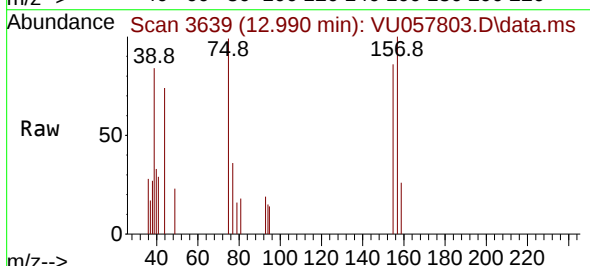
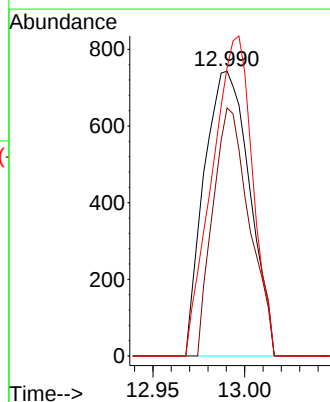
Manual Integrations  
APPROVED

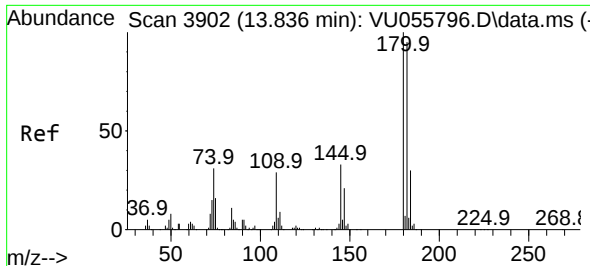
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.939 ug/l  
RT: 12.990 min Scan# 3639  
Delta R.T. -0.003 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

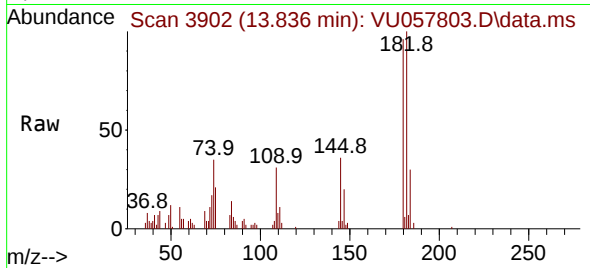
Tgt Ion: 75 Resp: 1282  
Ion Ratio Lower Upper  
75 100  
155 69.7 61.8 92.8  
157 100.2 80.2 120.4





#87  
1,2,4-Trichlorobenzene  
Concen: 0.882 ug/l  
RT: 13.836 min Scan# 3902  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

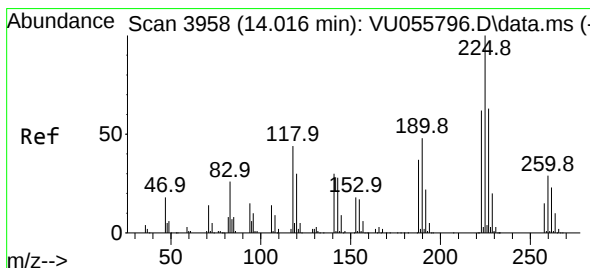
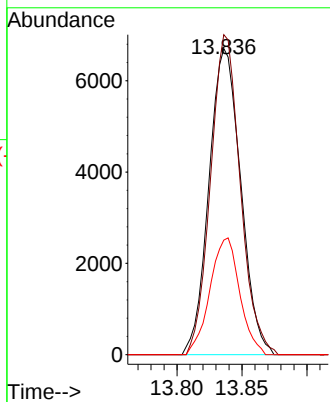
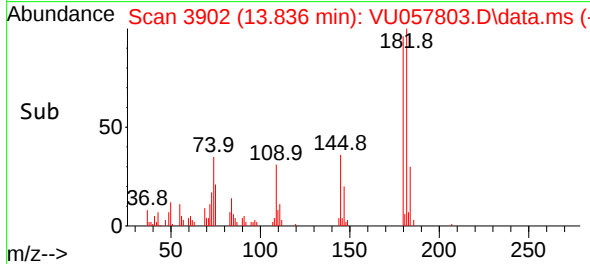
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



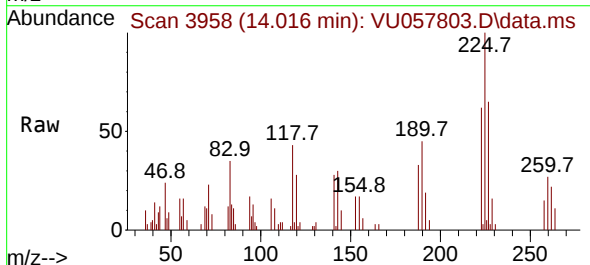
Tgt Ion:180 Resp: 11390  
Ion Ratio Lower Upper  
180 100  
182 97.6 75.8 113.6  
145 35.7 23.9 35.9

Manual Integrations  
APPROVED

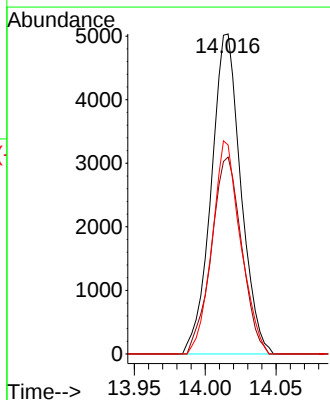
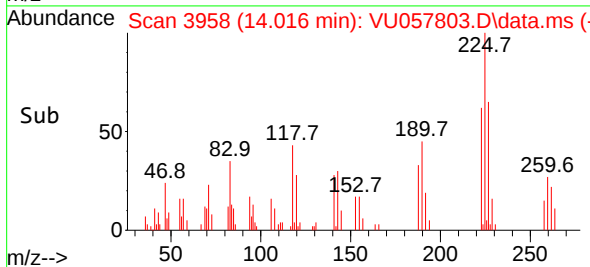
Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024

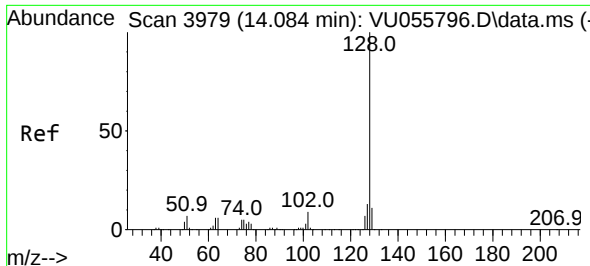


#88  
Hexachlorobutadiene  
Concen: 0.880 ug/l  
RT: 14.016 min Scan# 3958  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



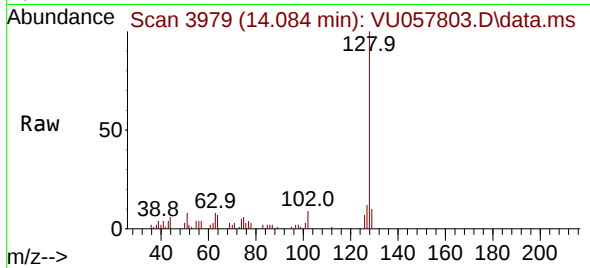
Tgt Ion:225 Resp: 7317  
Ion Ratio Lower Upper  
225 100  
223 62.9 50.2 75.4  
227 64.1 51.5 77.3





#89  
Naphthalene  
Concen: 0.983 ug/l  
RT: 14.084 min Scan# 3979  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13

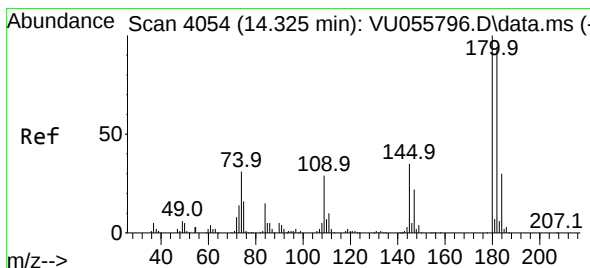
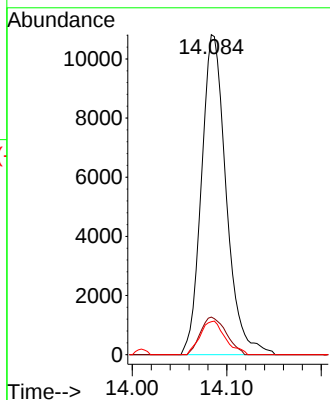
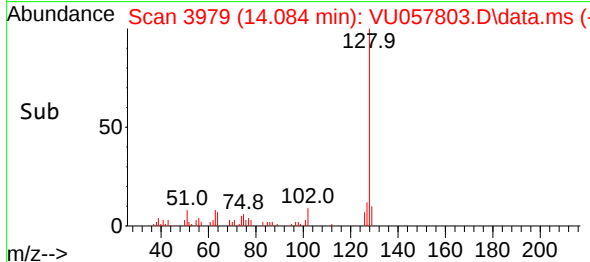
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



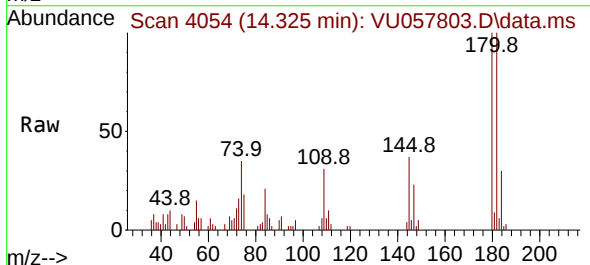
Tgt Ion:128 Resp: 19640  
Ion Ratio Lower Upper  
128 100  
127 12.2 10.9 16.3  
129 10.6 8.6 12.8

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/14/2024  
Supervised By :Mahesh Dadoda 02/14/2024



#90  
1,2,3-Trichlorobenzene  
Concen: 0.953 ug/l  
RT: 14.325 min Scan# 4054  
Delta R.T. -0.000 min  
Lab File: VU057803.D  
Acq: 05 Feb 2024 12:13



Tgt Ion:180 Resp: 10359  
Ion Ratio Lower Upper  
180 100  
182 94.1 75.7 113.5  
145 34.3 26.1 39.1

