

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092723\  
 Data File : VX037930.D  
 Acq On : 27 Sep 2023 18:04  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Quant Time: Sep 28 05:44:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X092723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Sep 28 03:42:12 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 09/28/2023  
 Supervised By : Semsettin Yesilyurt 09/28/2023

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Bromochloromethane        | 4.903          | 128  | 44723               | 30.000 | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.763          | 114  | 251793              | 30.000 | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055         | 117  | 240511              | 30.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.958          | 65   | 98381               | 30.517 | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 101.733% |        |        |          |
| 60) 4-Bromofluorobenzene     | 11.079         | 95   | 113862              | 29.041 | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 96.800%  |        |        |          |
| 63) Toluene-d8               | 8.647          | 98   | 313166              | 30.163 | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 100.533% |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 12830               | 5.472  | ug/l   | 99       |
| 3) Chloromethane             | 1.300          | 50   | 13659               | 5.440  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 15020               | 5.344  | ug/l   | 99       |
| 5) Bromomethane              | 1.605          | 94   | 12256               | 5.660  | ug/l   | 100      |
| 6) Chloroethane              | 1.691          | 64   | 10572               | 5.601  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 24358               | 5.250  | ug/l   | 97       |
| 8) Diethyl Ether             | 2.136          | 74   | 9053                | 5.289  | ug/l   | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 12672               | 5.357  | ug/l   | 97       |
| 10) 1,1-Dichloroethene       | 2.319          | 96   | 11892               | 5.136  | ug/l   | 95       |
| 11) Methyl Iodide            | 2.453          | 142  | 15158               | 4.837  | ug/l   | 97       |
| 12) Methyl Acetate           | 2.703          | 43   | 23771               | 5.051  | ug/l   | 96       |
| 13) Acrolein                 | 2.233          | 56   | 13903               | 25.599 | ug/l   | 98       |
| 14) Acrylonitrile            | 3.062          | 53   | 32642               | 25.120 | ug/l   | 97       |
| 15) Acetone                  | 2.379          | 58   | 10705               | 28.480 | ug/l   | 88       |
| 16) Carbon Disulfide         | 2.514          | 76   | 27252               | 4.823  | ug/l   | 96       |
| 17) Allyl chloride           | 2.666          | 41   | 17708               | 4.995  | ug/l   | 97       |
| 18) Methylene Chloride       | 2.788          | 84   | 15193               | 5.475  | ug/l   | 96       |
| 19) trans-1,2-Dichloroethene | 3.093          | 96   | 13342               | 5.112  | ug/l   | 100      |
| 20) Diisopropyl ether        | 3.757          | 45   | 37885               | 5.006  | ug/l # | 69       |
| 21) 1,1-Dichloroethane       | 3.611          | 63   | 23360               | 5.109  | ug/l   | 99       |
| 22) cis-1,2-Dichloroethene   | 4.495          | 96   | 15644               | 5.049  | ug/l   | 97       |
| 23) tert-Butyl Alcohol       | 2.953          | 59   | 13603               | 25.097 | ug/l # | 1        |
| 24) Methyl tert-Butyl Ether  | 3.111          | 73   | 40467               | 5.049  | ug/l   | 99       |
| 25) Chloroform               | 5.099          | 83   | 25513               | 5.073  | ug/l   | 96       |
| 26) Cyclohexane              | 5.476          | 56   | 20369               | 5.234  | ug/l # | 97       |
| 29) 1,1-Dichloropropene      | 5.696          | 75   | 18590               | 5.107  | ug/l   | 98       |
| 30) 2-Butanone               | 4.562          | 43   | 44447               | 25.445 | ug/l   | 97       |
| 31) 2,2-Dichloropropane      | 4.477          | 77   | 17765               | 4.845  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 21174               | 4.855  | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 5.678          | 117  | 16861               | 4.516  | ug/l   | 99       |
| 34) Benzene                  | 6.037          | 78   | 55605               | 5.114  | ug/l   | 98       |
| 35) Methacrylonitrile        | 4.916          | 41   | 9023m               | 4.913  | ug/l   |          |
| 36) 1,2-Dichloroethane       | 6.092          | 62   | 20348               | 5.290  | ug/l # | 92       |
| 37) Trichloroethene          | 7.129          | 130  | 14955               | 4.986  | ug/l   | 94       |
| 38) Methylcyclohexane        | 7.379          | 83   | 22973               | 5.021  | ug/l   | 98       |
| 39) 1,2-Dichloropropane      | 7.433          | 63   | 14323               | 5.149  | ug/l   | 94       |
| 40) Dibromomethane           | 7.586          | 93   | 10178               | 4.959  | ug/l   | 97       |
| 41) Bromodichloromethane     | 7.824          | 83   | 17004               | 4.537  | ug/l   | 94       |
| 42) Vinyl Acetate            | 3.727          | 43   | 131651              | 23.908 | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092723\  
 Data File : VX037930.D  
 Acq On : 27 Sep 2023 18:04  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

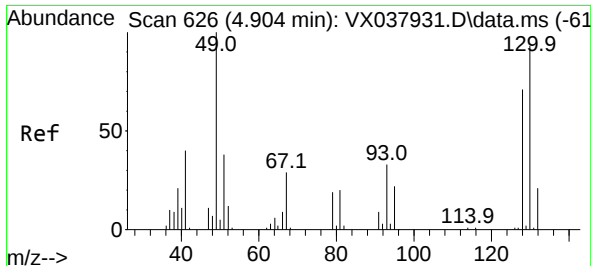
Reviewed By : John Carlone 09/28/2023  
 Supervised By : Semsettin Yesilyurt 09/28/2023

Quant Time: Sep 28 05:44:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X092723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Sep 28 03:42:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 43) Ethyl Acetate             | 4.721  | 43   | 17764    | 5.144  | ug/l   | 98       |
| 44) Isopropyl Acetate         | 6.342  | 43   | 27298    | 4.778  | ug/l   | 99       |
| 45) 1,4-Dioxane               | 7.659  | 88   | 6427     | 97.628 | ug/l # | 1        |
| 46) Methyl methacrylate       | 7.696  | 41   | 12367    | 4.554  | ug/l   | 95       |
| 47) n-amyl Acetate            | 10.841 | 43   | 23563    | 4.384  | ug/l   | 94       |
| 48) t-1,3-Dichloropropene     | 8.982  | 75   | 17651    | 4.336  | ug/l   | 96       |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 19620    | 4.488  | ug/l   | 99       |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 14550    | 4.960  | ug/l   | 98       |
| 51) Ethyl methacrylate        | 9.122  | 69   | 19676    | 4.553  | ug/l   | 95       |
| 52) 1,3-Dichloropropane       | 9.311  | 76   | 23424    | 4.978  | ug/l   | 98       |
| 53) Dibromochloromethane      | 9.518  | 129  | 12508    | 4.138  | ug/l   | 98       |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 15273    | 4.798  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 8.244  | 63   | 49439    | 23.466 | ug/l   | 98       |
| 56) Bromoform                 | 10.799 | 173  | 9031     | 3.972  | ug/l   | 95       |
| 58) 4-Methyl-2-Pentanone      | 8.573  | 43   | 87187    | 24.763 | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 65253    | 24.405 | ug/l   | 98       |
| 61) Tetrachloroethene         | 9.275  | 164  | 13153    | 5.139  | ug/l   | 95       |
| 62) Toluene                   | 8.720  | 91   | 67362    | 5.399  | ug/l   | 99       |
| 64) Chlorobenzene             | 10.079 | 112  | 39607    | 5.089  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 12820    | 4.538  | ug/l   | 98       |
| 66) Ethyl Benzene             | 10.195 | 91   | 69577    | 5.053  | ug/l   | 98       |
| 67) m/p-Xylenes               | 10.299 | 106  | 54528    | 10.053 | ug/l   | 98       |
| 68) o-Xylene                  | 10.640 | 106  | 25128    | 4.784  | ug/l   | 95       |
| 69) Styrene                   | 10.658 | 104  | 41037    | 4.657  | ug/l   | 99       |
| 70) Isopropylbenzene          | 10.963 | 105  | 68996    | 4.949  | ug/l   | 97       |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 22537    | 4.905  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 18835m   | 4.669  | ug/l   |          |
| 73) Bromobenzene              | 11.201 | 156  | 17365    | 4.911  | ug/l   | 91       |
| 74) n-propylbenzene           | 11.305 | 91   | 81558    | 4.897  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 48598    | 4.984  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 57280    | 4.765  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 4455     | 3.487  | ug/l   | 90       |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 56497    | 4.940  | ug/l   | 99       |
| 79) tert-butylbenzene         | 11.713 | 119  | 55235    | 4.668  | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 57348    | 4.799  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 11.890 | 105  | 72987    | 4.797  | ug/l   | 97       |
| 82) p-Isopropyltoluene        | 12.006 | 119  | 59771    | 4.679  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 33238    | 4.865  | ug/l   | 100      |
| 84) 1,4-Dichlorobenzene       | 12.042 | 146  | 33745    | 4.874  | ug/l   | 98       |
| 85) n-Butylbenzene            | 12.335 | 91   | 55083    | 4.609  | ug/l   | 98       |
| 86) Hexachloroethane          | 12.536 | 117  | 8236     | 3.957  | ug/l   | 97       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 33584    | 4.989  | ug/l   | 96       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 4008     | 4.380  | ug/l   | 93       |
| 89) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 21773    | 4.754  | ug/l   | 99       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 9612     | 4.778  | ug/l   | 96       |
| 91) Naphthalene               | 13.774 | 128  | 65261    | 4.699  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 20741    | 4.652  | ug/l   | 99       |

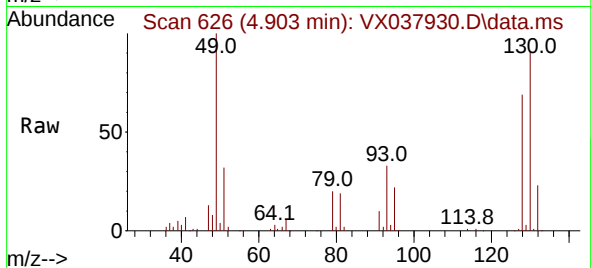
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.903 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

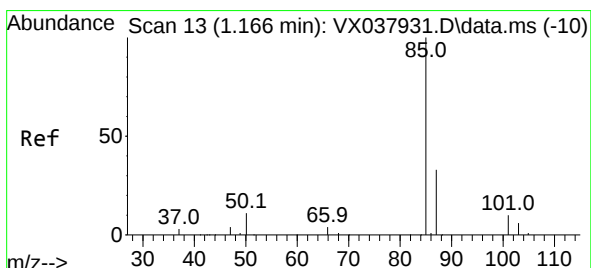
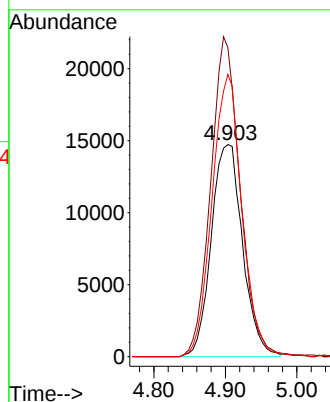
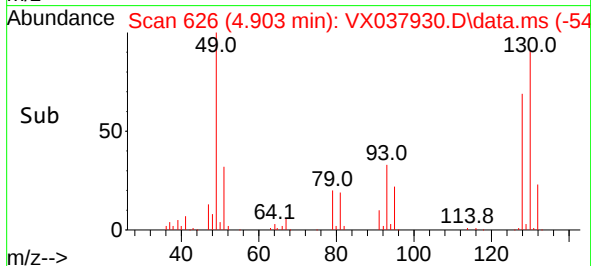
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



Tgt Ion:128 Resp: 4472  
Ion Ratio Lower Upper  
128 100  
49 142.1 0.0 406.3  
130 127.4 0.0 328.0

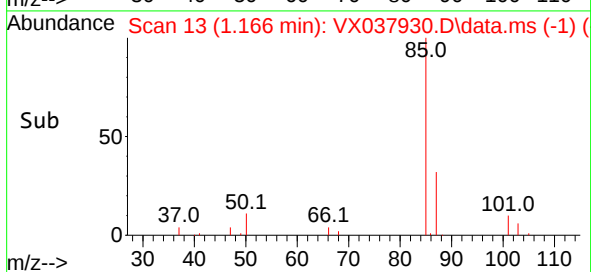
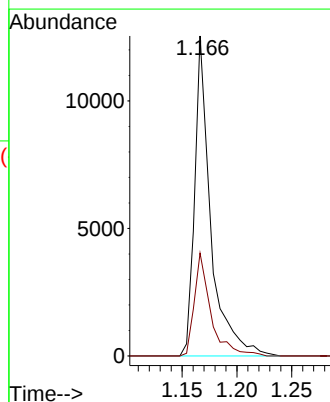
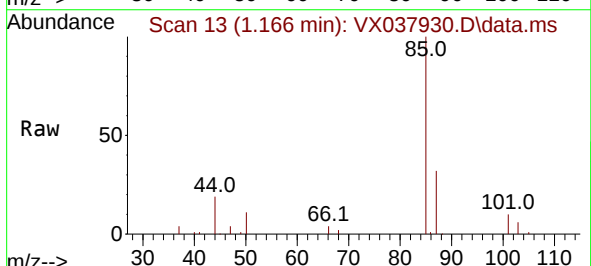
Manual Integrations  
APPROVED

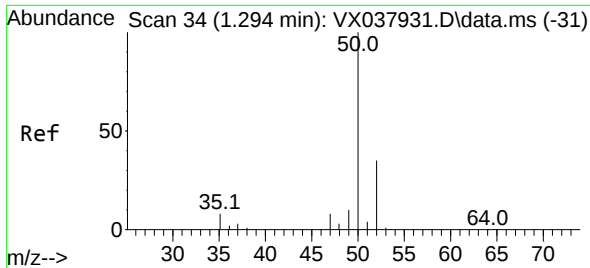
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#2  
Dichlorodifluoromethane  
Concen: 5.472 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 85 Resp: 12830  
Ion Ratio Lower Upper  
85 100  
87 32.2 16.4 49.4





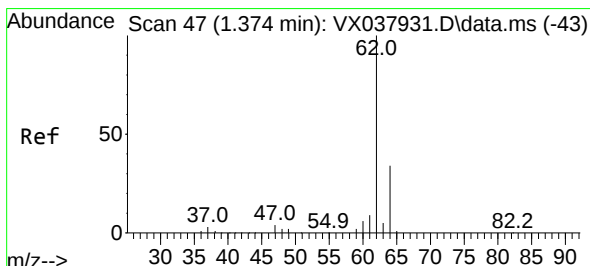
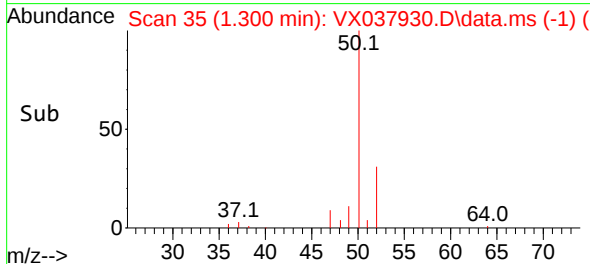
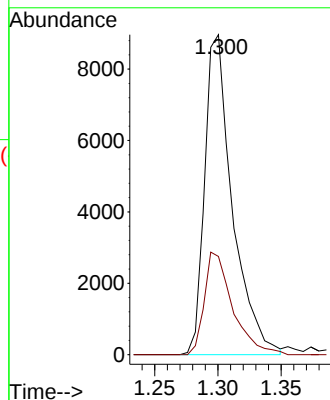
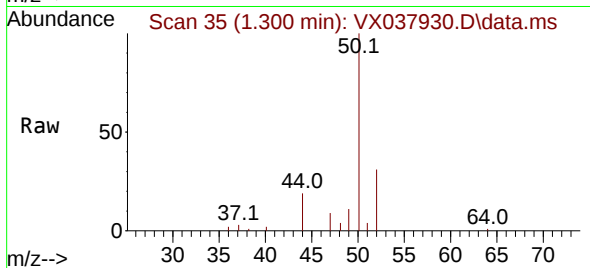
#3  
Chloromethane  
Concen: 5.440 ug/l  
RT: 1.300 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion: 50 Resp: 1365  
Ion Ratio Lower Upper  
50 100  
52 30.7 24.5 36.7

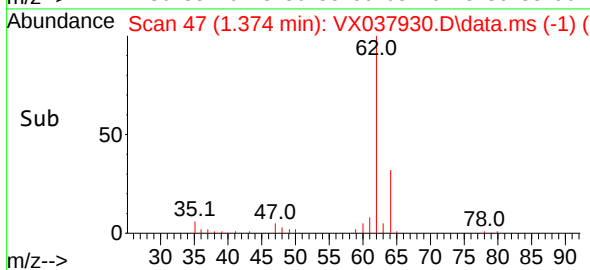
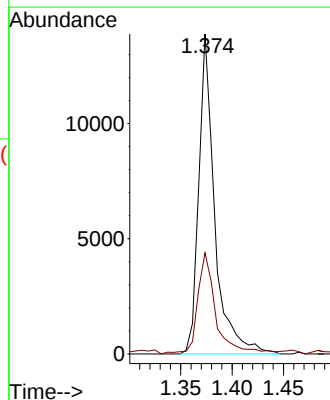
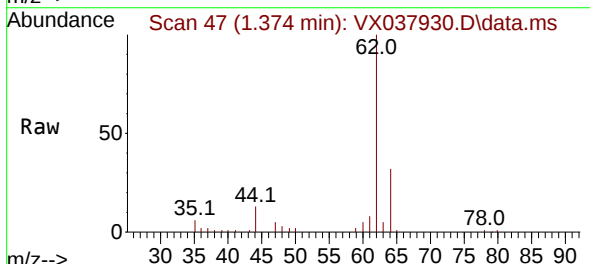
Manual Integrations  
APPROVED

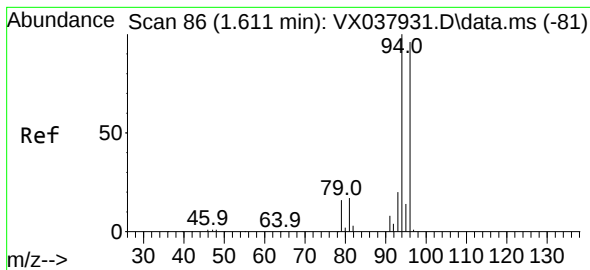
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#4  
Vinyl Chloride  
Concen: 5.344 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 62 Resp: 15020  
Ion Ratio Lower Upper  
62 100  
64 30.9 25.3 37.9





#5

Bromomethane

Concen: 5.660 ug/l

RT: 1.605 min Scan# 81

Delta R.T. -0.006 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 94 Resp: 12250

Ion Ratio Lower Upper

94 100

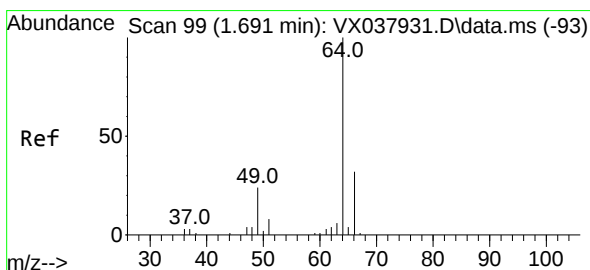
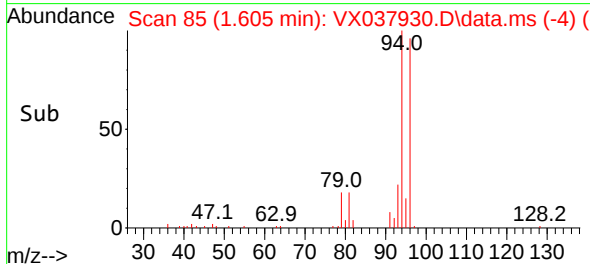
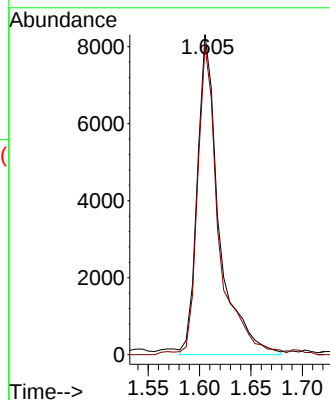
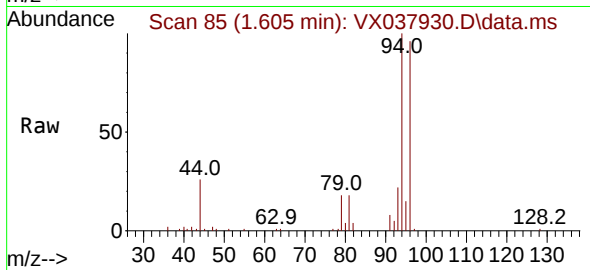
96 96.3 77.4 116.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#6

Chloroethane

Concen: 5.601 ug/l

RT: 1.691 min Scan# 99

Delta R.T. -0.000 min

Lab File: VX037930.D

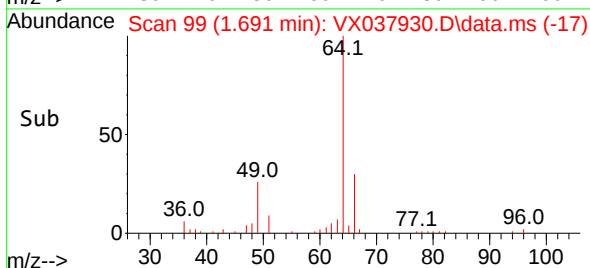
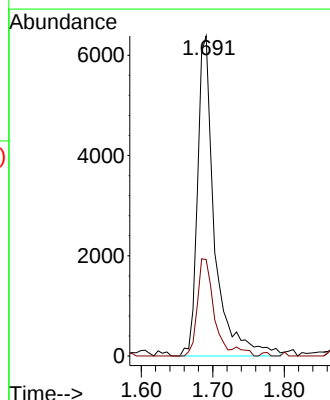
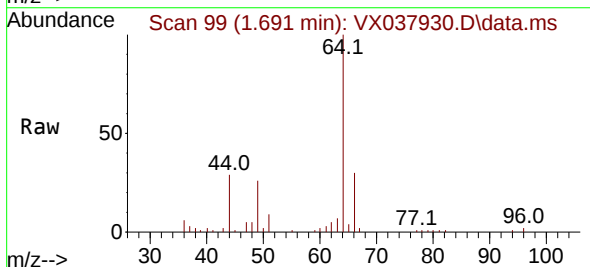
Acq: 27 Sep 2023 18:04

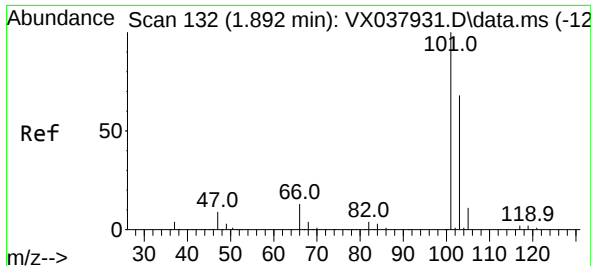
Tgt Ion: 64 Resp: 10572

Ion Ratio Lower Upper

64 100

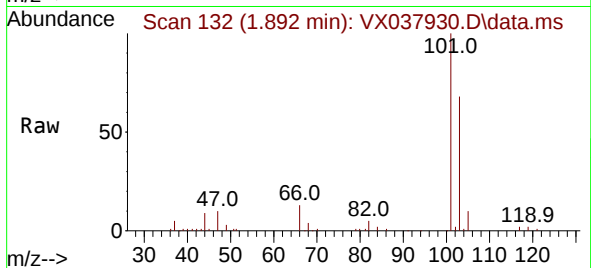
66 30.2 23.1 34.7





#7  
Trichlorofluoromethane  
Concen: 5.250 ug/l  
RT: 1.892 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

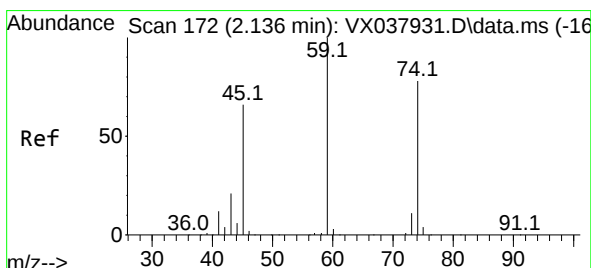
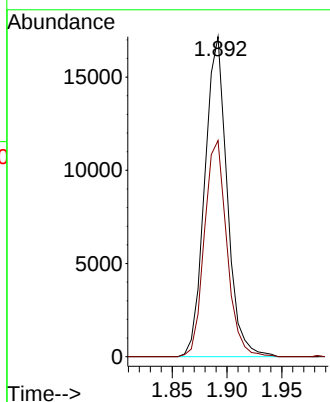
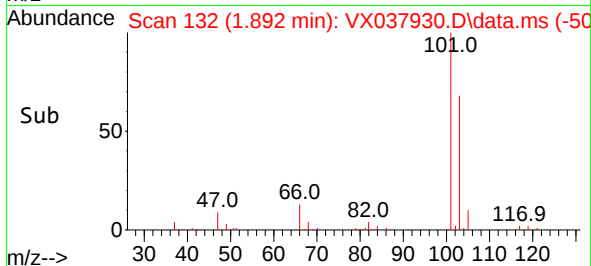
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005



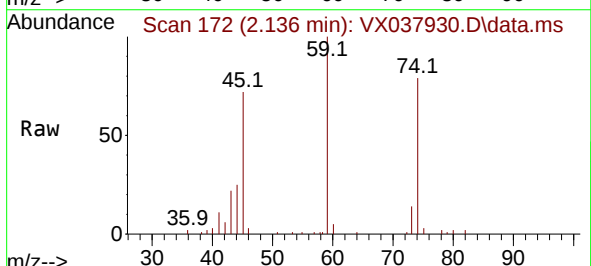
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Ion Ratio Lower Upper  
101 100  
103 67.6 52.2 78.2

Manual Integrations  
APPROVED

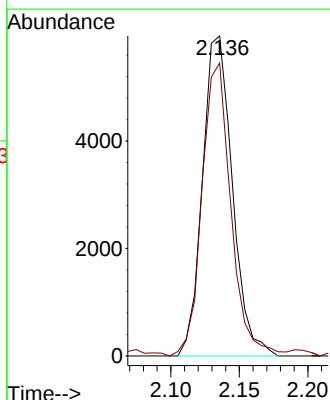
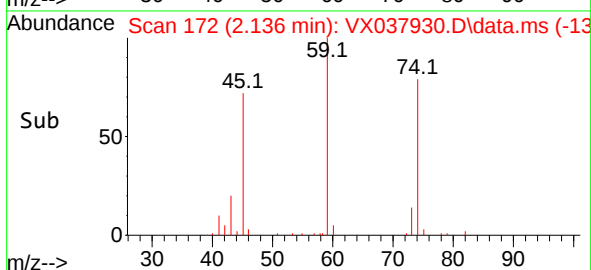
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

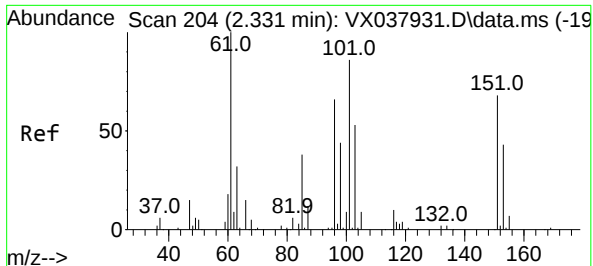


#8  
Diethyl Ether  
Concen: 5.289 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04



Tgt Ion: 74 Resp: 9053  
Ion Ratio Lower Upper  
74 100  
45 88.5 19.9 178.9





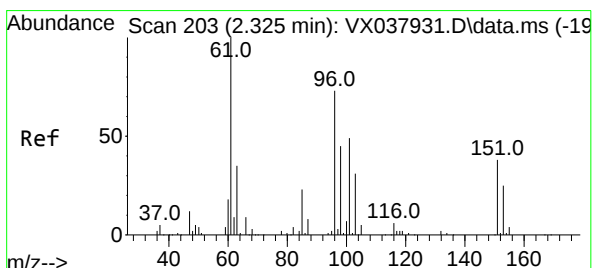
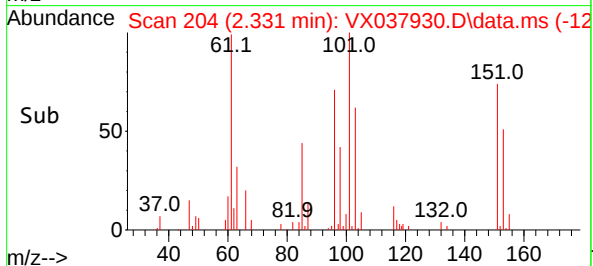
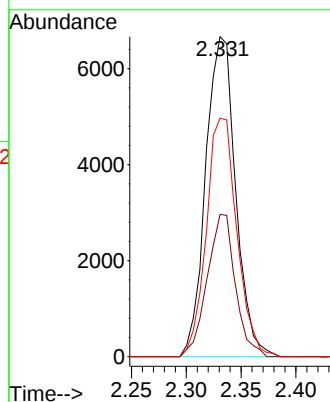
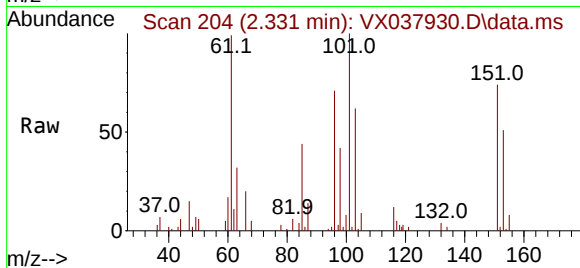
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 5.357 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion:101 Resp: 1267  
Ion Ratio Lower Upper  
101 100  
85 41.8 0.0 91.0  
151 75.9 0.0 155.4

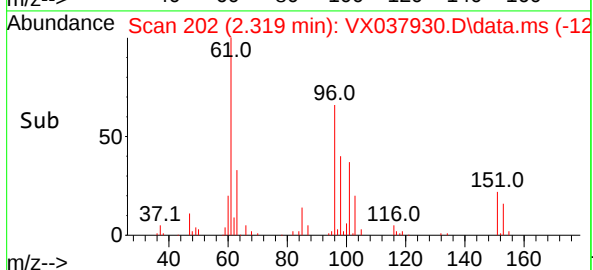
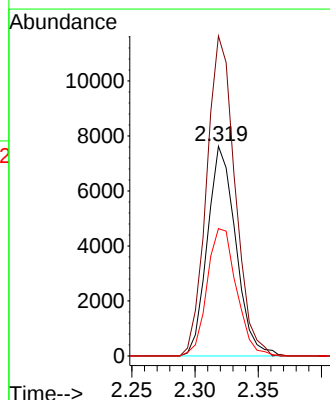
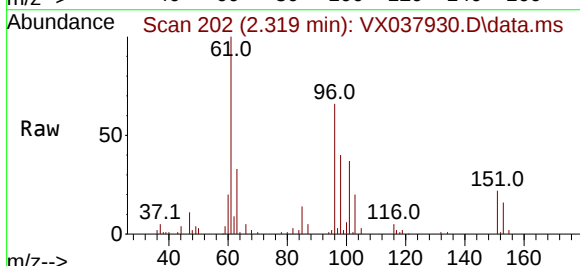
Manual Integrations  
APPROVED

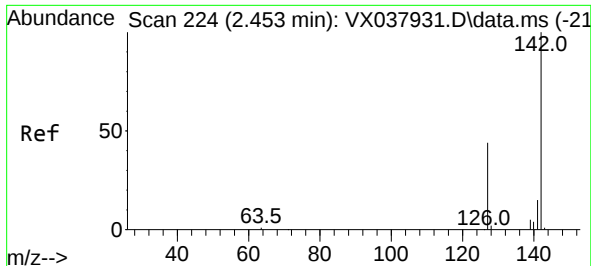
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#10  
1,1-Dichloroethene  
Concen: 5.136 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. -0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

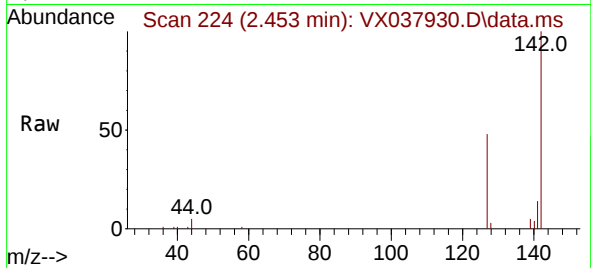
Tgt Ion: 96 Resp: 11892  
Ion Ratio Lower Upper  
96 100  
61 152.5 127.2 190.8  
98 60.7 52.7 79.1





#11  
Methyl Iodide  
Concen: 4.837 ug/l  
RT: 2.453 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

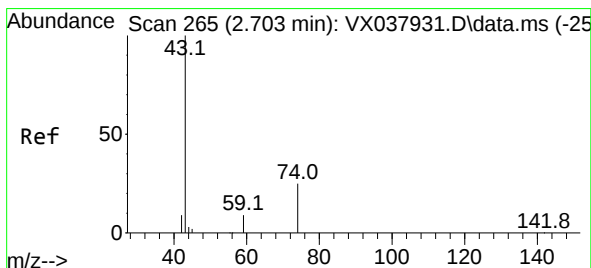
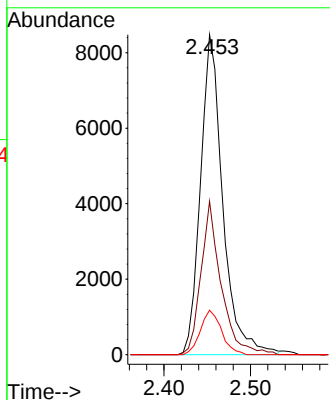
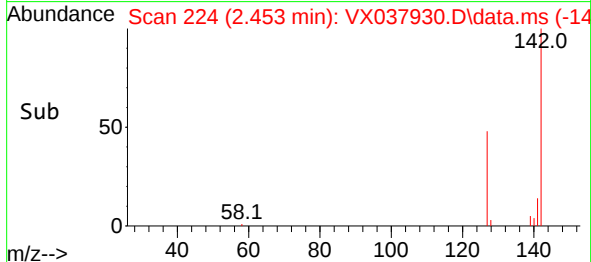
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



Tgt Ion:142 Resp: 15158  
Ion Ratio Lower Upper  
142 100  
127 48.2 22.9 68.8  
141 14.0 7.5 22.6

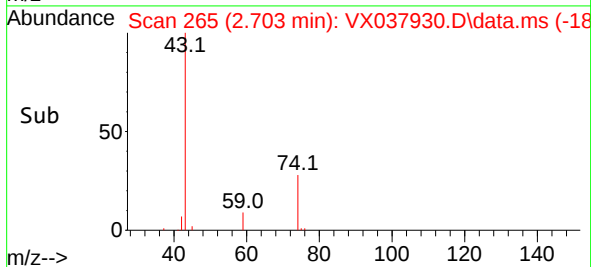
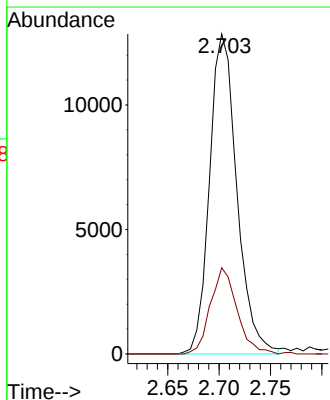
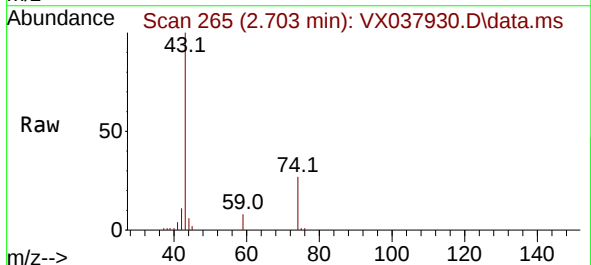
Manual Integrations  
APPROVED

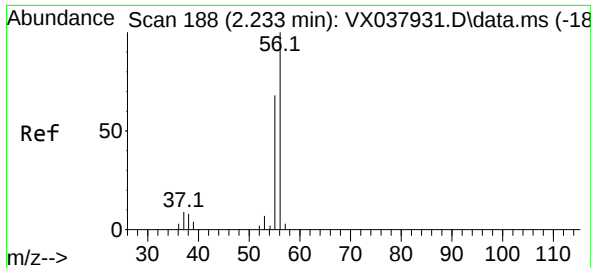
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#12  
Methyl Acetate  
Concen: 5.051 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

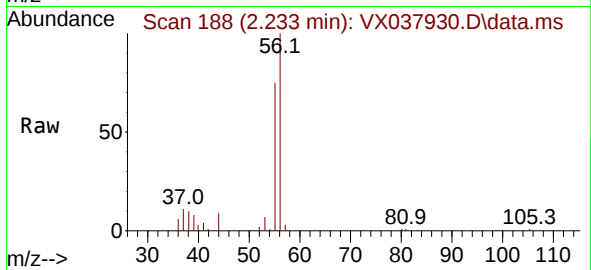
Tgt Ion: 43 Resp: 23771  
Ion Ratio Lower Upper  
43 100  
74 27.2 20.3 30.5





#13  
Acrolein  
Concen: 25.599 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

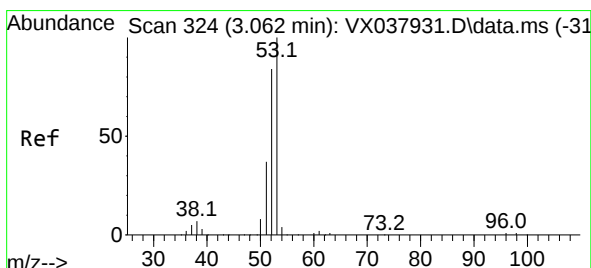
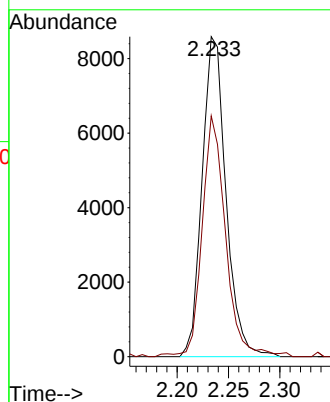
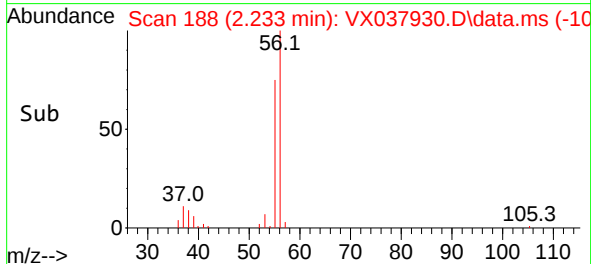
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



Tgt Ion: 56 Resp: 1390  
Ion Ratio Lower Upper  
56 100  
55 72.5 59.7 89.5

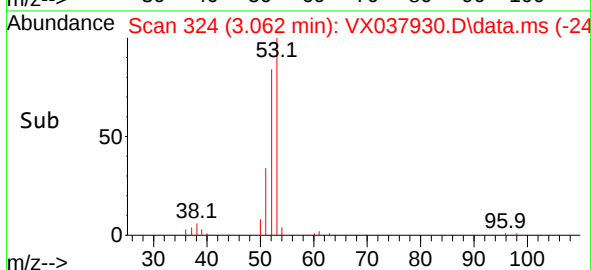
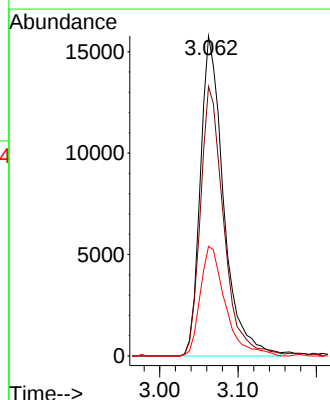
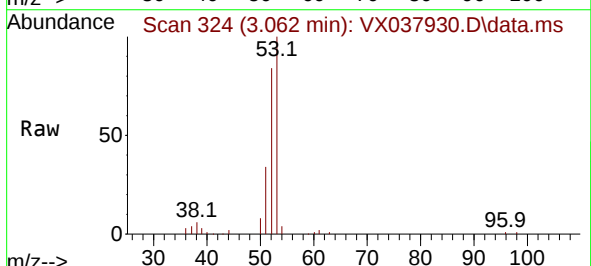
Manual Integrations  
APPROVED

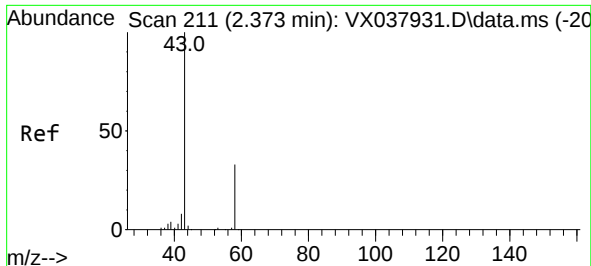
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#14  
Acrylonitrile  
Concen: 25.120 ug/l  
RT: 3.062 min Scan# 324  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

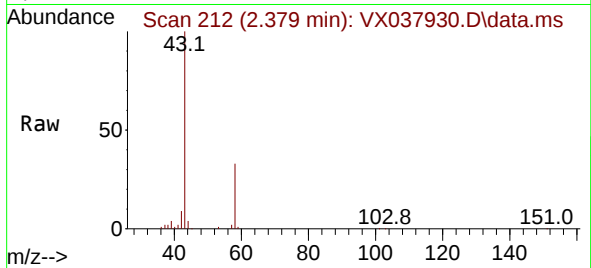
Tgt Ion: 53 Resp: 32642  
Ion Ratio Lower Upper  
53 100  
52 84.1 40.0 119.9  
51 36.8 18.2 54.6





#15  
Acetone  
Concen: 28.480 ug/l  
RT: 2.379 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

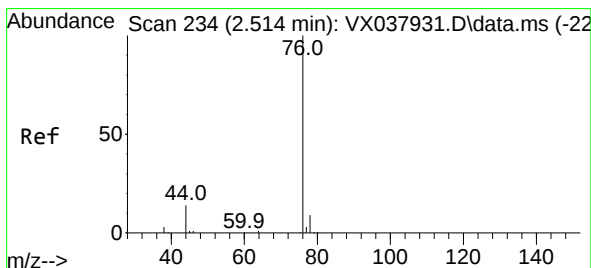
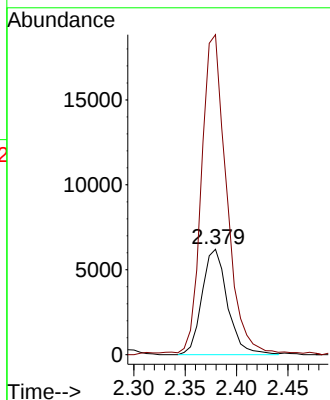
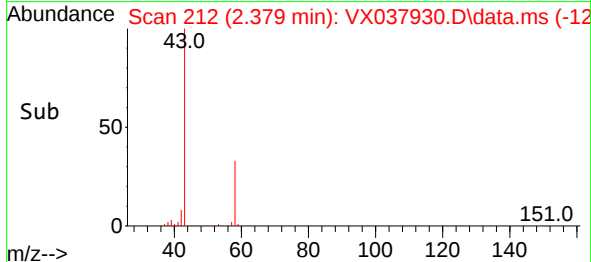
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005



Tgt Ion: 58 Resp: 1070  
Ion Ratio Lower Upper  
58 100  
43 301.5 261.0 391.4

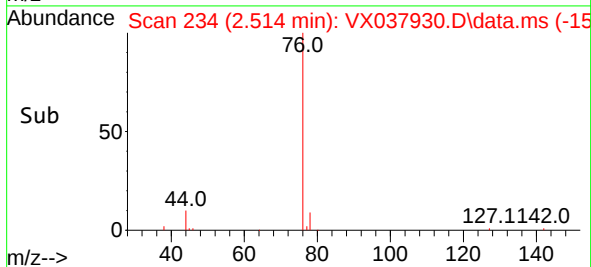
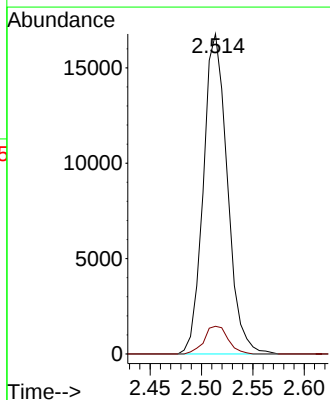
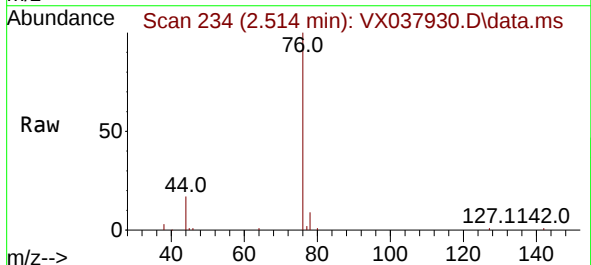
Manual Integrations  
APPROVED

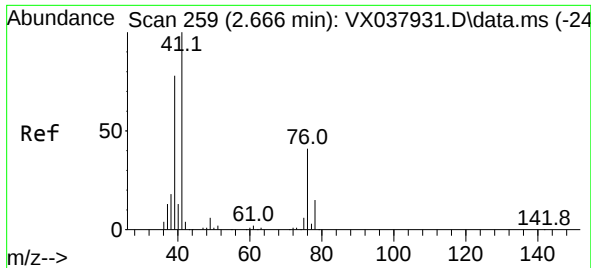
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#16  
Carbon Disulfide  
Concen: 4.823 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 76 Resp: 27252  
Ion Ratio Lower Upper  
76 100  
78 8.7 8.0 12.0





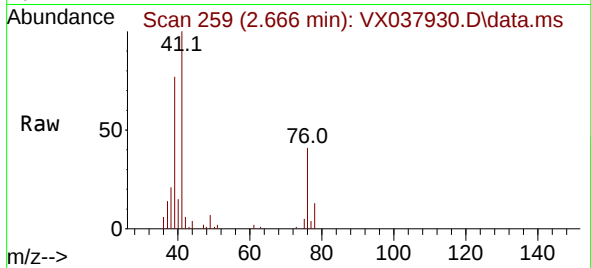
#17  
 Allyl chloride  
 Concen: 4.995 ug/l  
 RT: 2.666 min Scan# 259  
 Delta R.T. -0.000 min  
 Lab File: VX037930.D  
 Acq: 27 Sep 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005



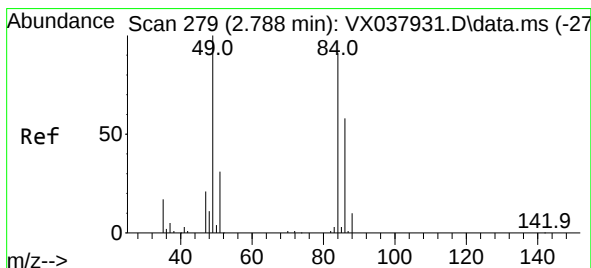
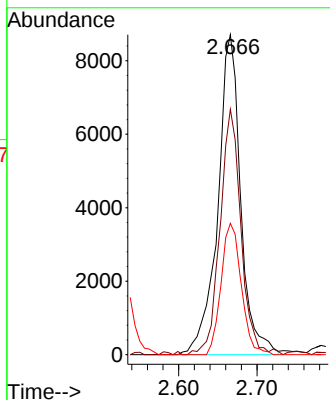
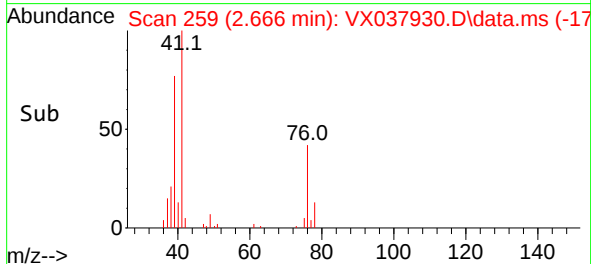
Tgt Ion: 41 Resp: 17708  
 Ion Ratio Lower Upper  
 41 100  
 39 75.7 38.5 115.3  
 76 41.0 18.6 55.8

Manual Integrations

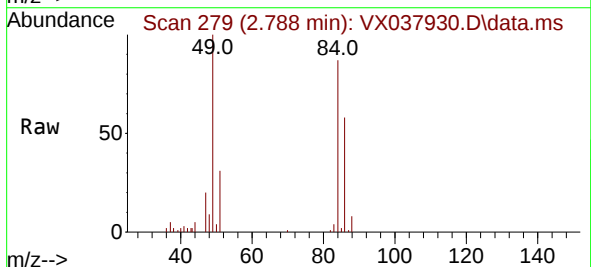
APPROVED

Reviewed By :John Carlone 09/28/2023

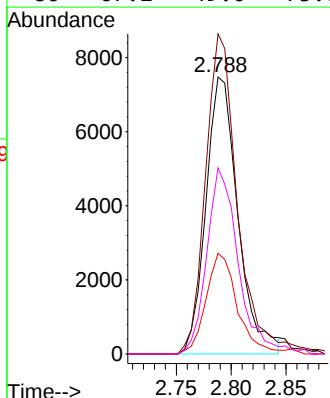
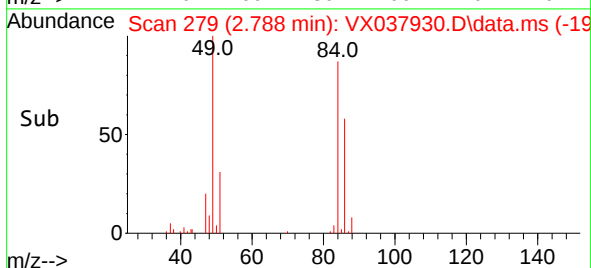
Supervised By :Semsettin Yesilyurt 09/28/2023

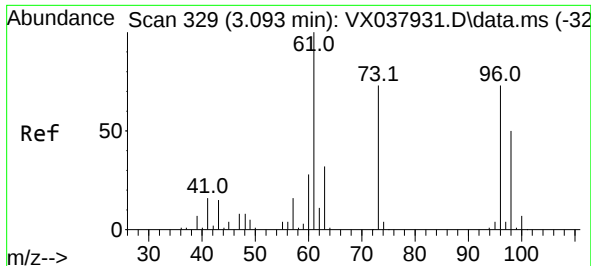


#18  
 Methylene Chloride  
 Concen: 5.475 ug/l  
 RT: 2.788 min Scan# 279  
 Delta R.T. -0.000 min  
 Lab File: VX037930.D  
 Acq: 27 Sep 2023 18:04



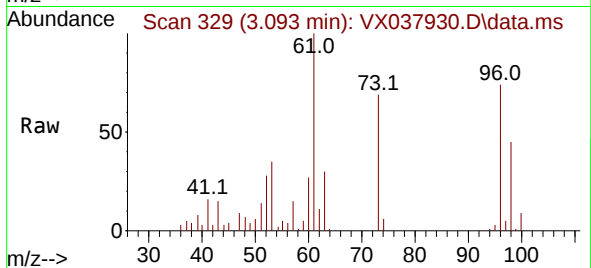
Tgt Ion: 84 Resp: 15193  
 Ion Ratio Lower Upper  
 84 100  
 49 115.5 95.4 143.0  
 51 36.3 28.3 42.5  
 86 67.2 49.0 73.6





#19  
trans-1,2-Dichloroethene  
Concen: 5.112 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

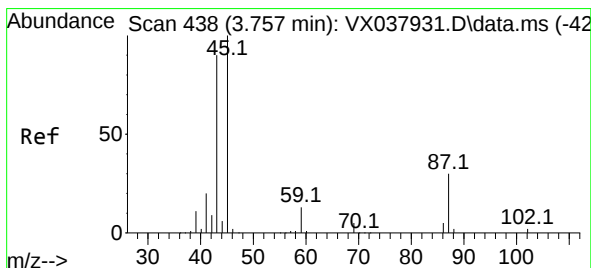
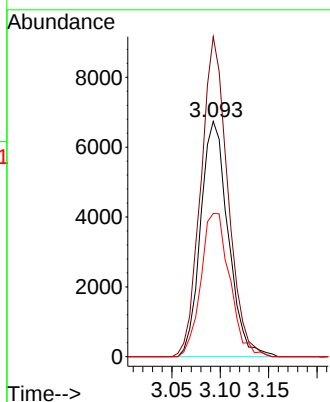
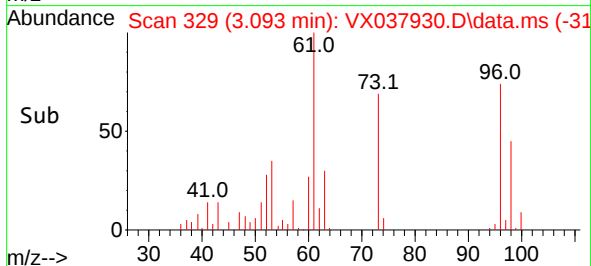
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



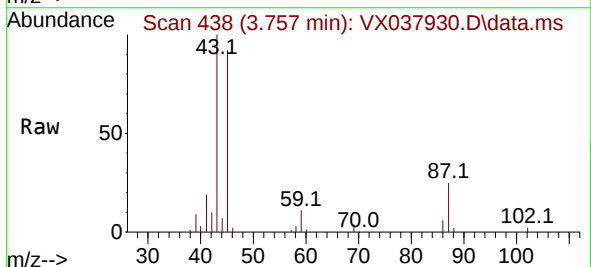
Tgt Ion: 96 Resp: 1334  
Ion Ratio Lower Upper  
96 100  
61 136.0 108.7 163.1  
98 60.8 49.1 73.7

Manual Integrations  
APPROVED

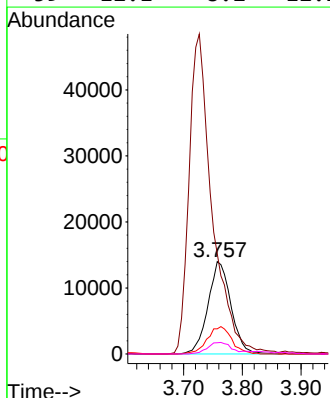
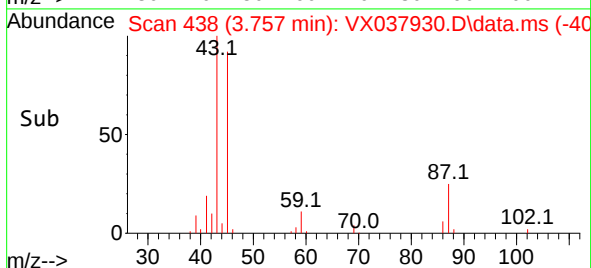
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

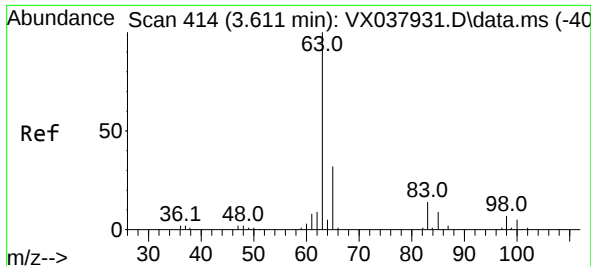


#20  
Diisopropyl ether  
Concen: 5.006 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04



Tgt Ion: 45 Resp: 37885  
Ion Ratio Lower Upper  
45 100  
43 107.1 55.8 83.6#  
87 27.2 23.0 34.4  
59 12.1 8.2 12.2





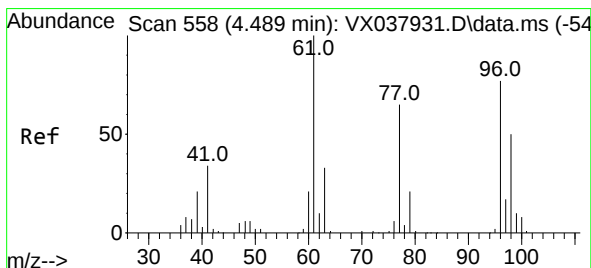
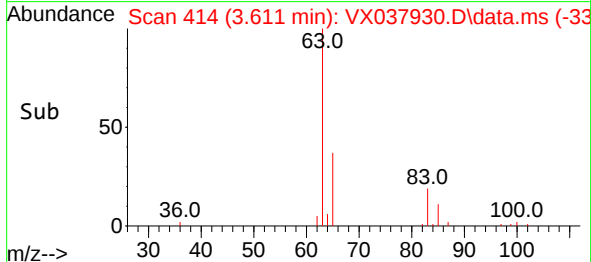
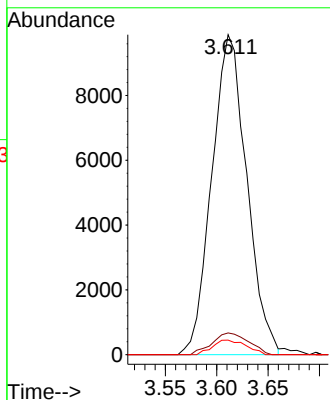
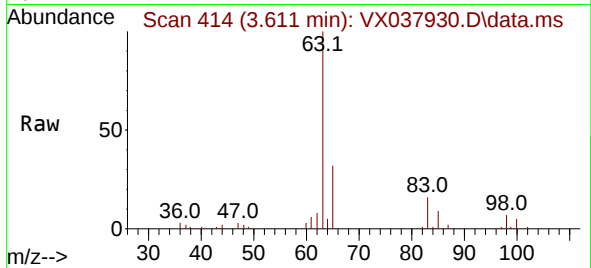
#21  
1,1-Dichloroethane  
Concen: 5.109 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion: 63 Resp: 23360  
Ion Ratio Lower Upper  
63 100  
98 6.8 3.2 9.6  
100 4.5 2.3 6.8

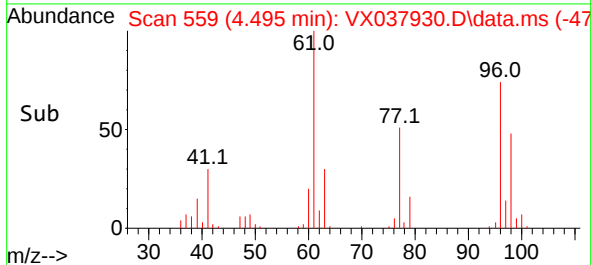
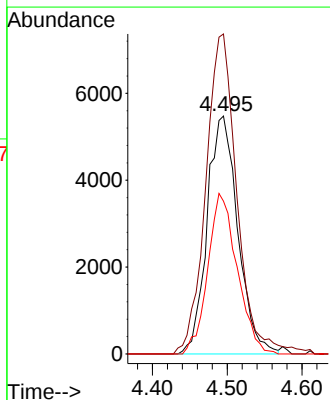
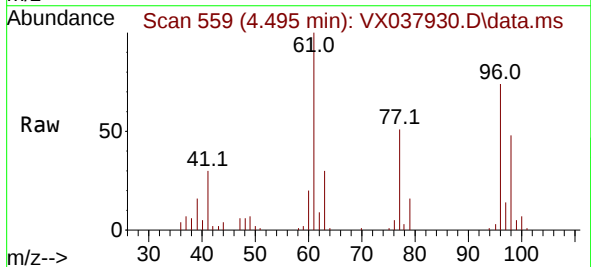
Manual Integrations  
APPROVED

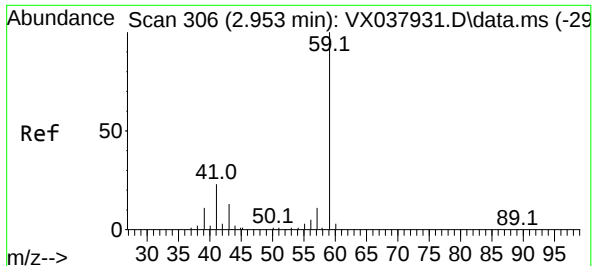
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#22  
cis-1,2-Dichloroethene  
Concen: 5.049 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. 0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

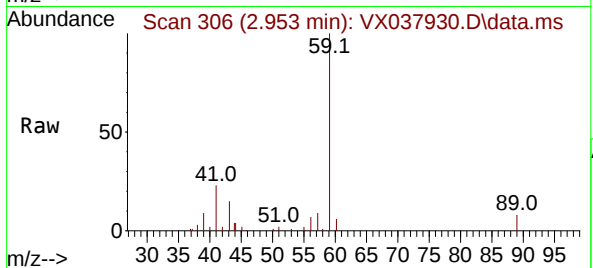
Tgt Ion: 96 Resp: 15644  
Ion Ratio Lower Upper  
96 100  
61 136.6 114.0 171.0  
98 64.7 51.6 77.4





#23  
tert-Butyl Alcohol  
Concen: 25.097 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

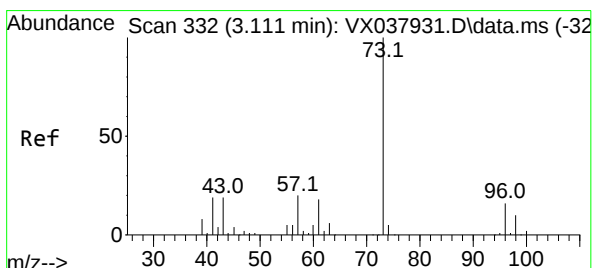
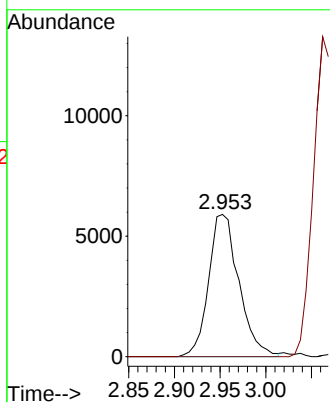
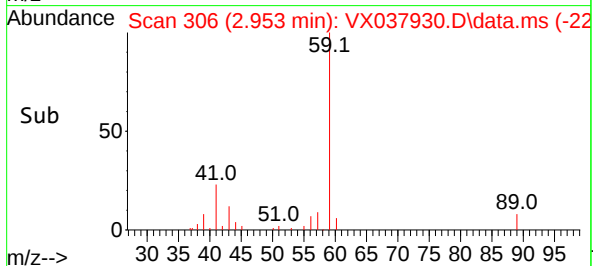
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



Tgt Ion: 59 Resp: 1360  
Ion Ratio Lower Upper  
59 100  
52 0.0 142.6 213.8

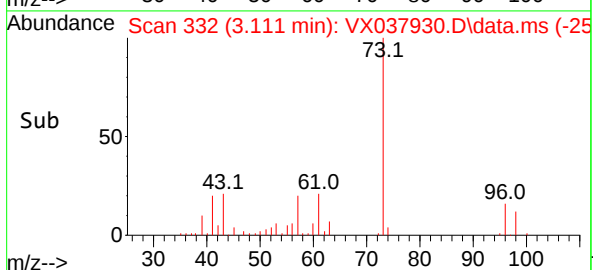
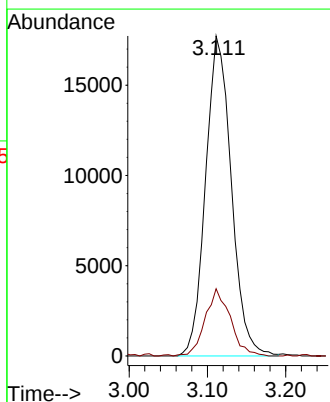
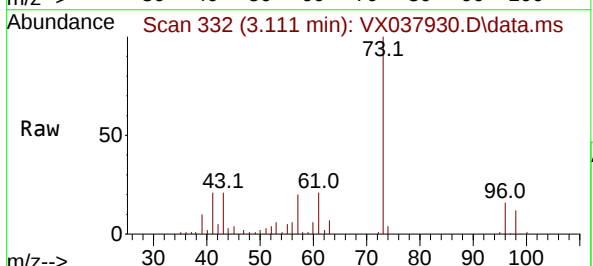
Manual Integrations  
APPROVED

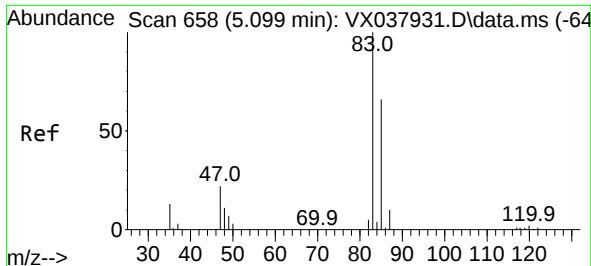
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#24  
Methyl tert-Butyl Ether  
Concen: 5.049 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 73 Resp: 40467  
Ion Ratio Lower Upper  
73 100  
43 20.4 16.8 25.2





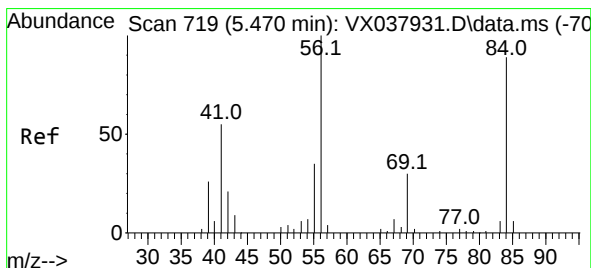
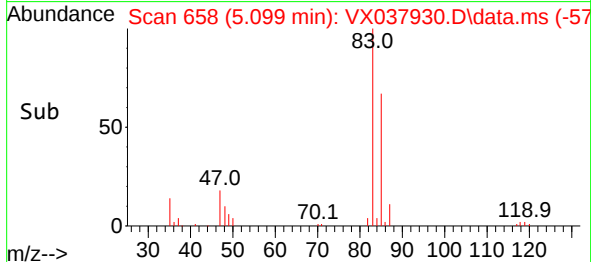
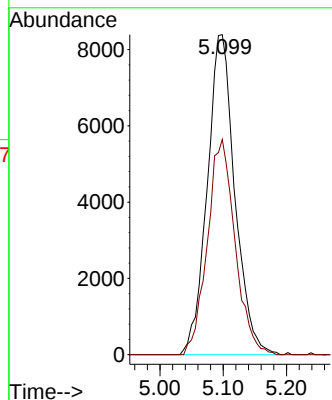
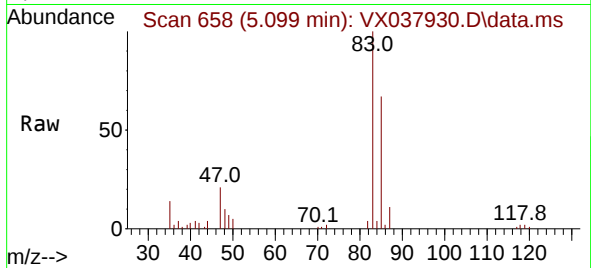
#25  
Chloroform  
Concen: 5.073 ug/l  
RT: 5.099 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion: 83 Resp: 2551  
Ion Ratio Lower Upper  
83 100  
85 67.2 51.5 77.3

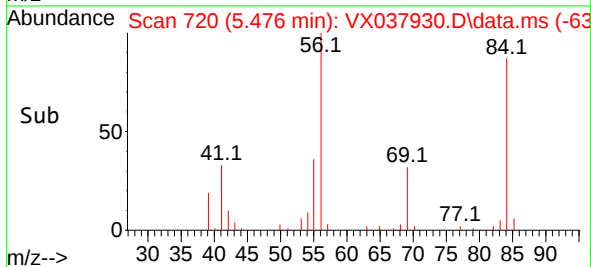
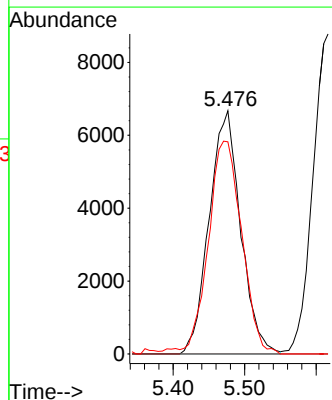
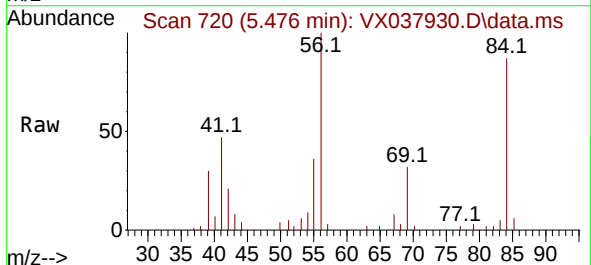
Manual Integrations  
APPROVED

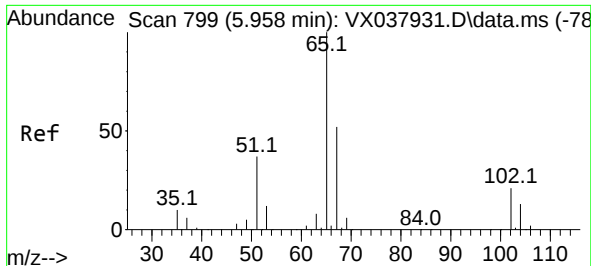
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#26  
Cyclohexane  
Concen: 5.234 ug/l  
RT: 5.476 min Scan# 720  
Delta R.T. 0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 56 Resp: 20369  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 92.5 71.4 107.2





#27

1,2-Dichloroethane-d4

Concen: 30.517 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 9838

Ion Ratio Lower Upper

65 100

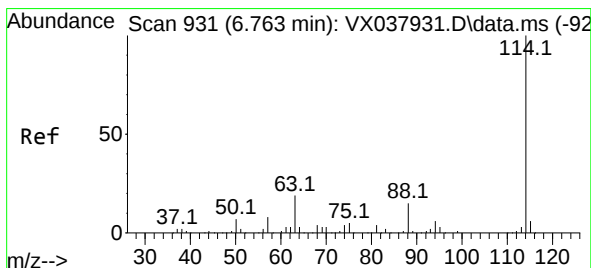
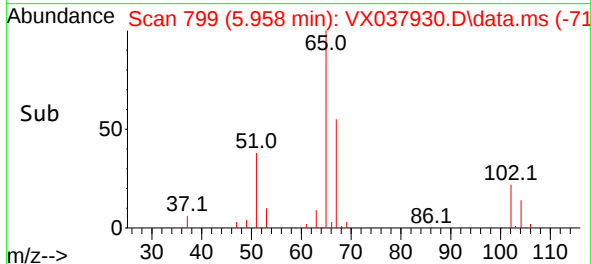
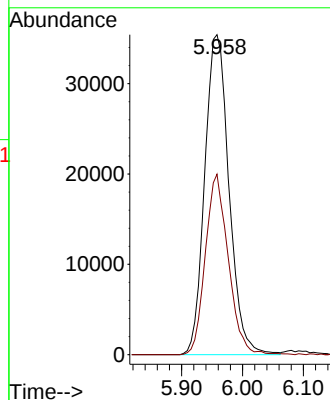
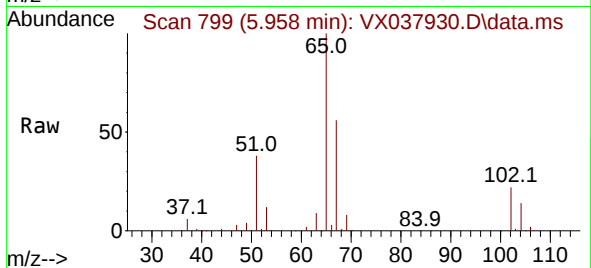
67 52.6 42.1 63.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

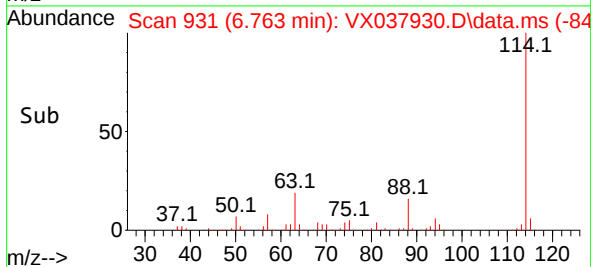
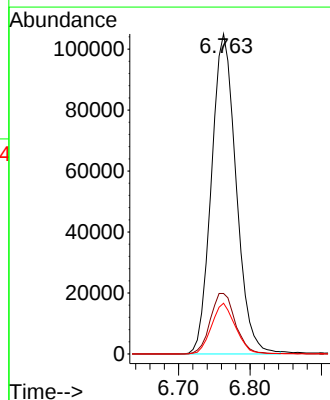
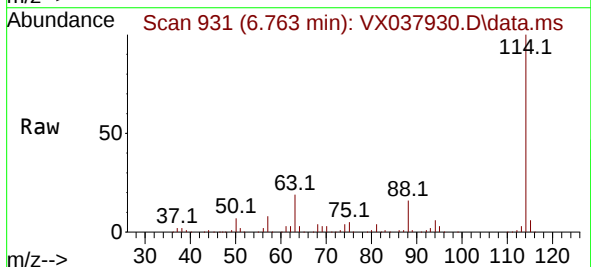
Tgt Ion:114 Resp: 251793

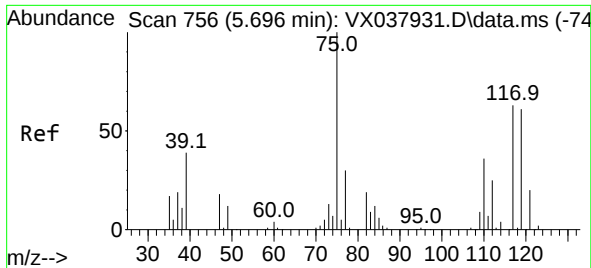
Ion Ratio Lower Upper

114 100

63 19.3 16.6 24.8

88 15.4 12.9 19.3





#29  
1,1-Dichloropropene  
Concen: 5.107 ug/l  
RT: 5.696 min Scan# 756  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :

MSVOA\_X

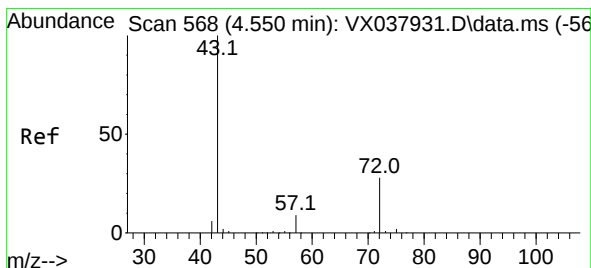
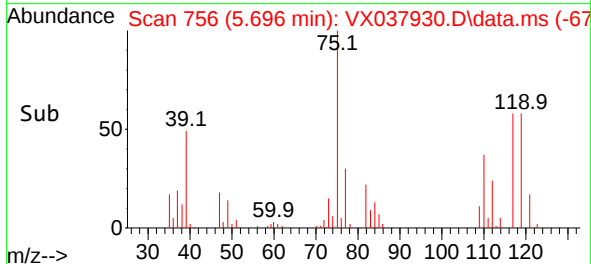
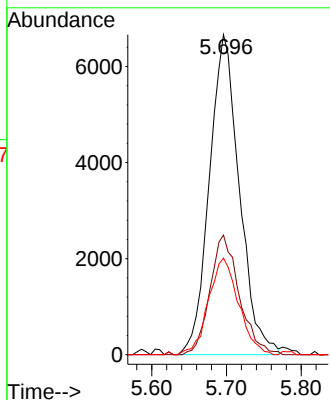
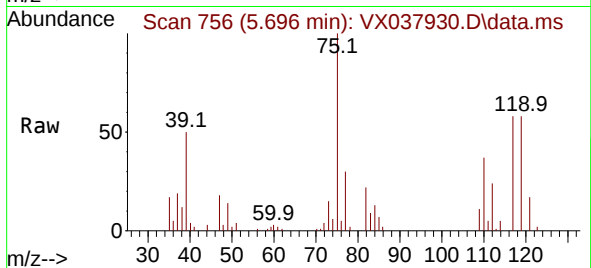
ClientSampleId :

VSTDICC005

Tgt Ion: 75 Resp: 18590  
Ion Ratio Lower Upper  
75 100  
110 36.4 0.0 70.4  
77 30.3 0.0 62.8

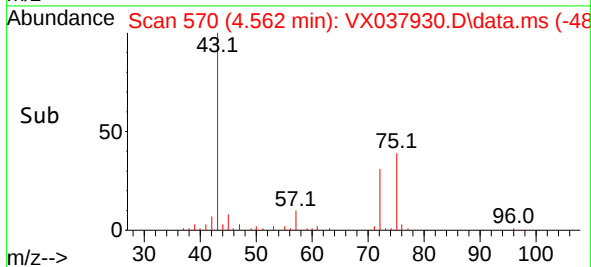
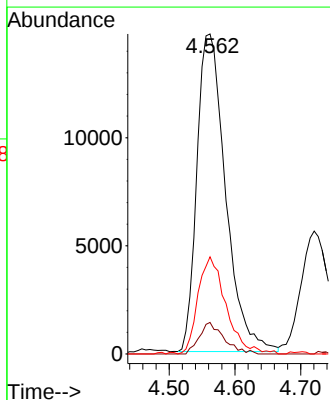
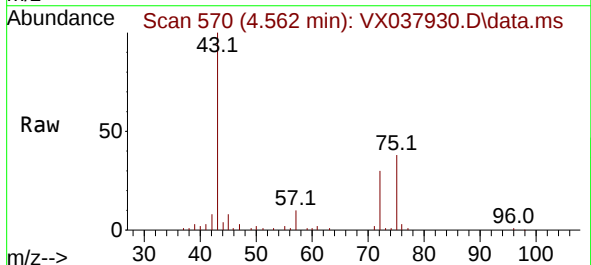
Manual Integrations  
APPROVED

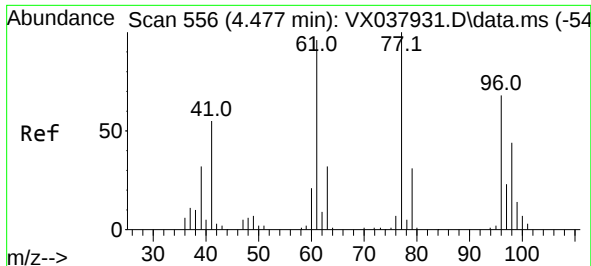
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#30  
2-Butanone  
Concen: 25.445 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. 0.012 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 43 Resp: 44447  
Ion Ratio Lower Upper  
43 100  
57 8.4 6.4 9.6  
72 29.0 21.6 32.4





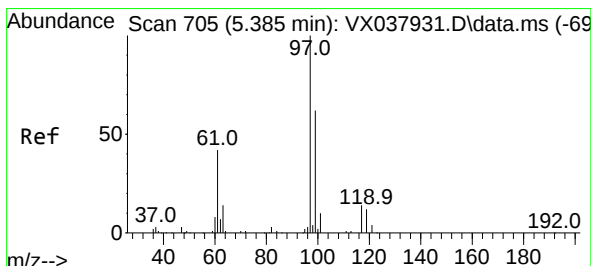
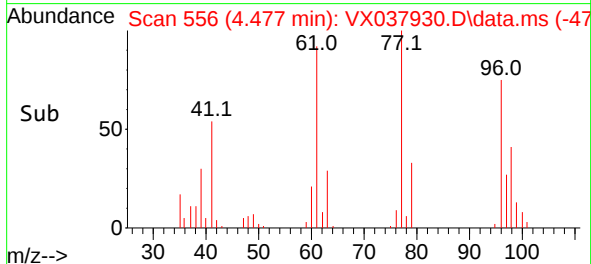
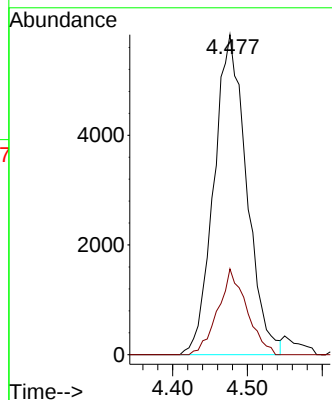
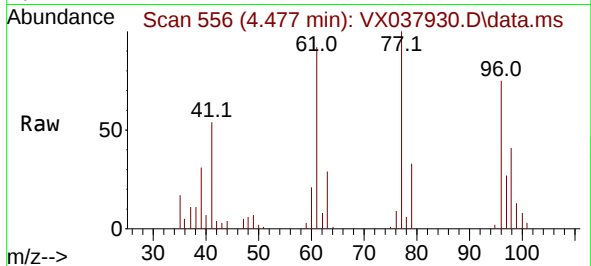
#31  
2,2-Dichloropropane  
Concen: 4.845 ug/l  
RT: 4.477 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion: 77 Resp: 1776  
Ion Ratio Lower Upper  
77 100  
97 23.6 18.6 27.8

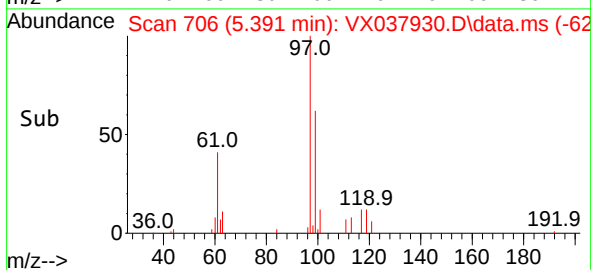
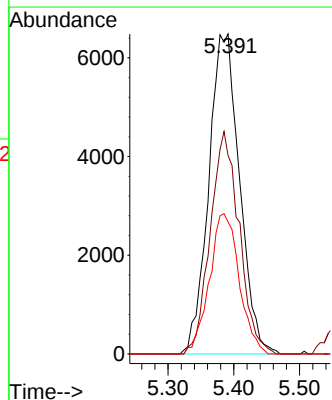
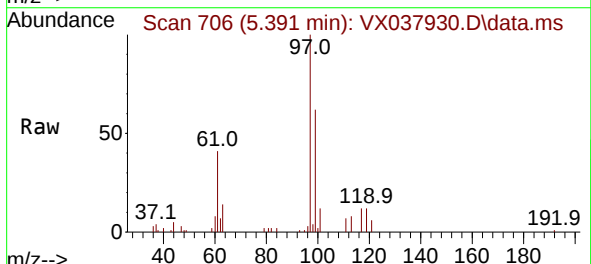
Manual Integrations  
APPROVED

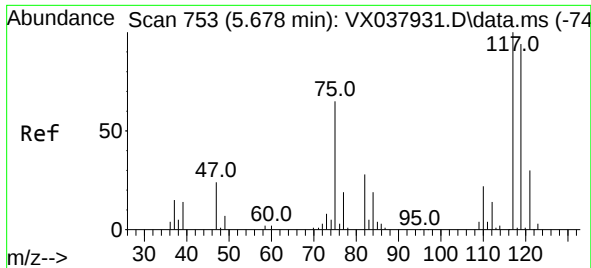
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#32  
1,1,1-Trichloroethane  
Concen: 4.855 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

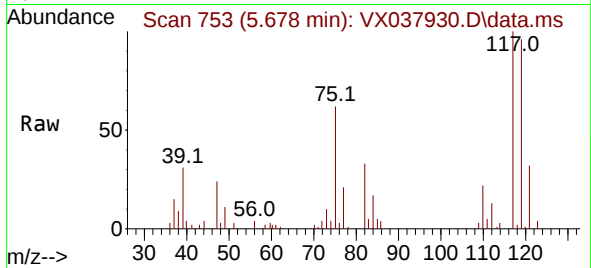
Tgt Ion: 97 Resp: 21174  
Ion Ratio Lower Upper  
97 100  
99 65.2 51.5 77.3  
61 42.4 35.8 53.8





#33  
Carbon Tetrachloride  
Concen: 4.516 ug/l  
RT: 5.678 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

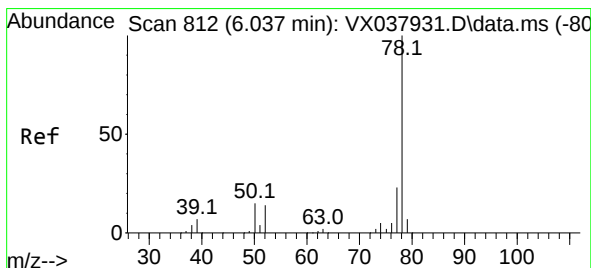
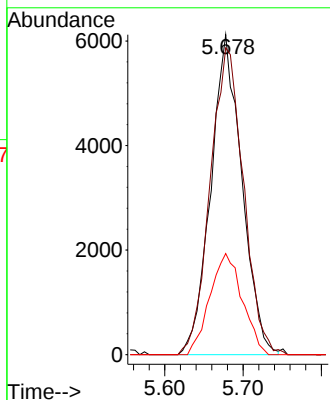
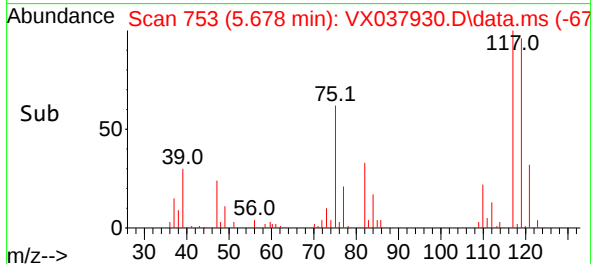
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



Tgt Ion:117 Resp: 1686  
Ion Ratio Lower Upper  
117 100  
119 95.9 76.6 115.0  
121 31.6 26.5 39.7

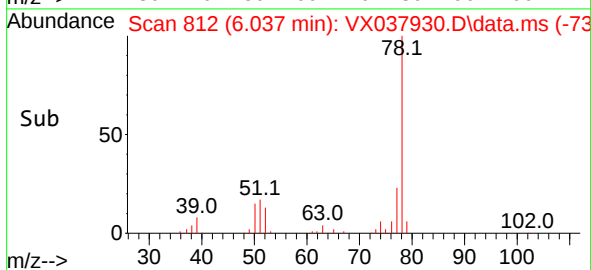
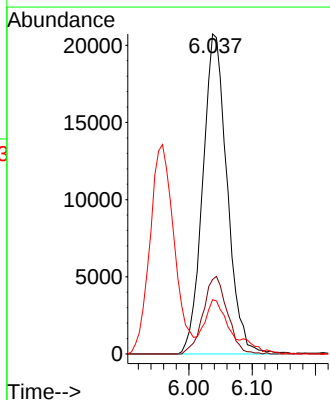
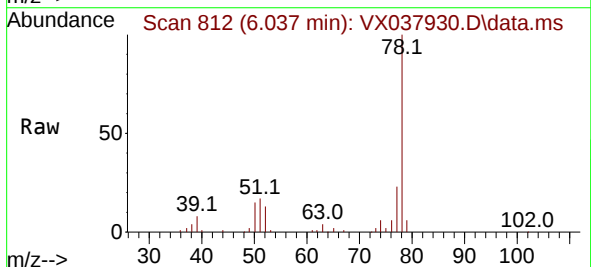
Manual Integrations  
APPROVED

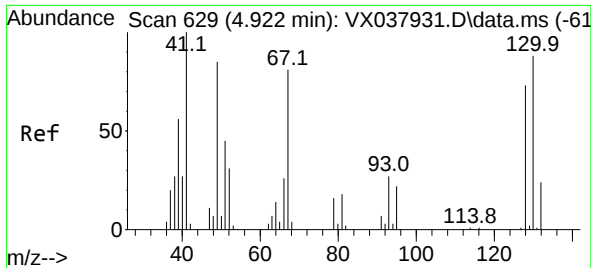
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#34  
Benzene  
Concen: 5.114 ug/l  
RT: 6.037 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

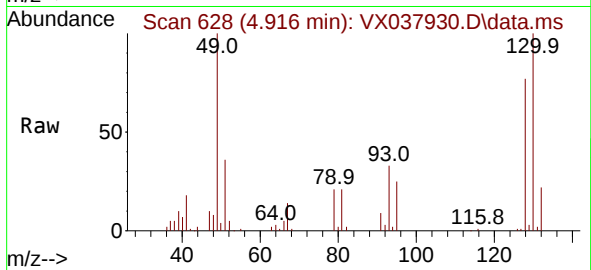
Tgt Ion: 78 Resp: 55605  
Ion Ratio Lower Upper  
78 100  
77 23.2 18.7 28.1  
51 16.4 14.2 21.4





#35  
Methacrylonitrile  
Concen: 4.913 ug/l m  
RT: 4.916 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

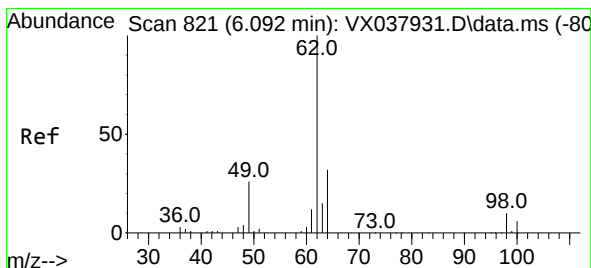
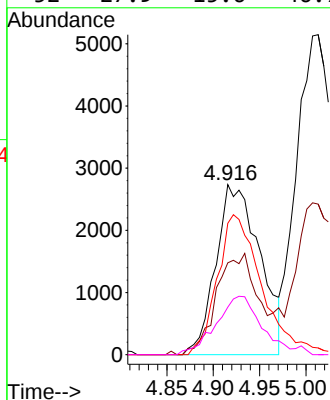
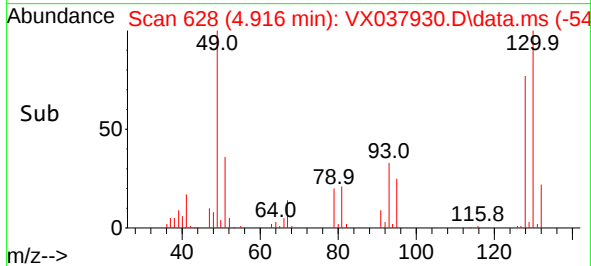
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



| Tgt Ion: | 41    | Resp: | 902   |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.0  | 28.2  | 84.7  |
| 67       | 77.2  | 35.0  | 105.1 |
| 52       | 27.9  | 15.6  | 46.7  |

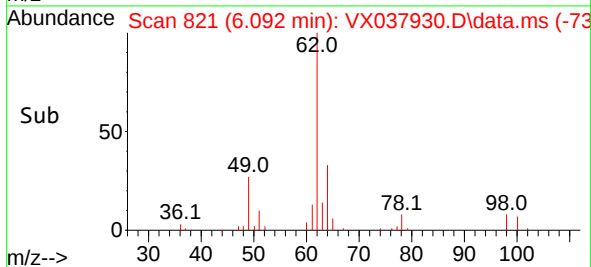
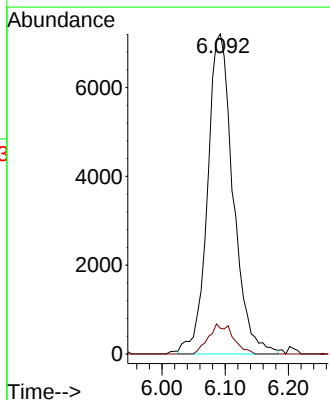
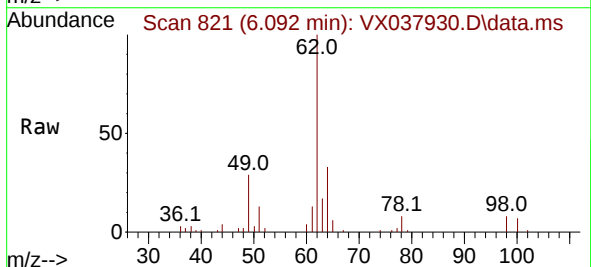
Manual Integrations  
APPROVED

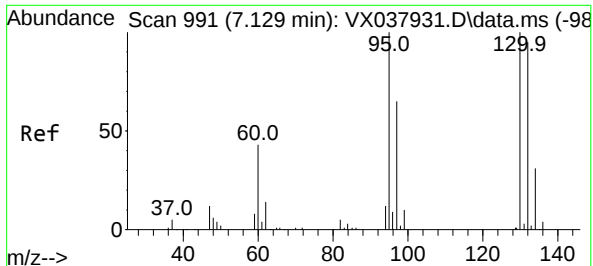
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#36  
1,2-Dichloroethane  
Concen: 5.290 ug/l  
RT: 6.092 min Scan# 821  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

| Tgt Ion: | 62    | Resp: | 20348 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 5.7   | 7.0   | 10.6# |





#37  
Trichloroethene  
Concen: 4.986 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :

MSVOA\_X

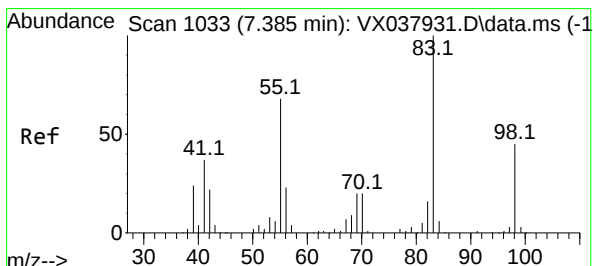
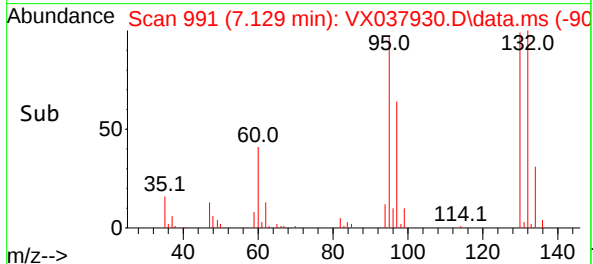
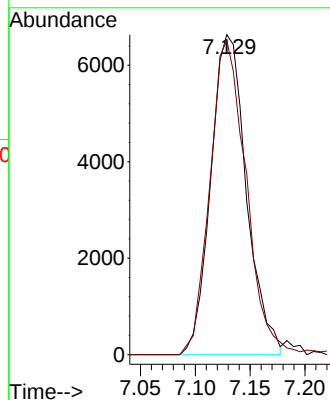
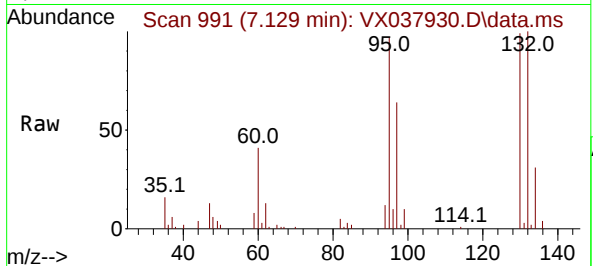
ClientSampleId :

VSTDIC005

Tgt Ion:130 Resp: 1495  
Ion Ratio Lower Upper  
130 100  
95 98.2 83.2 124.8

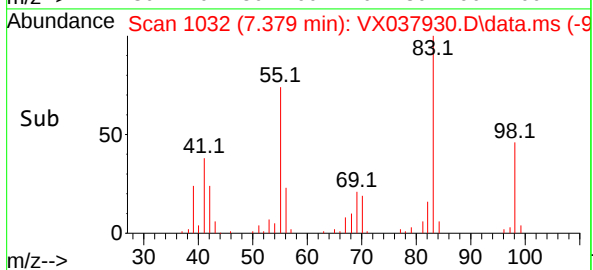
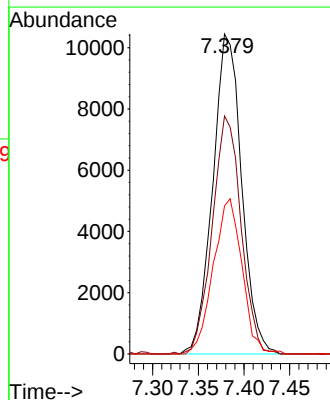
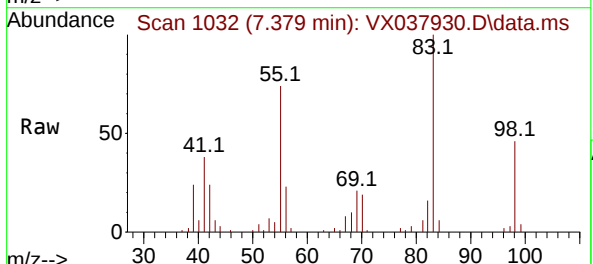
Manual Integrations  
APPROVED

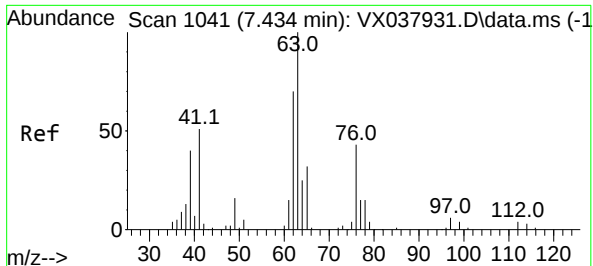
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#38  
Methylcyclohexane  
Concen: 5.021 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 83 Resp: 22973  
Ion Ratio Lower Upper  
83 100  
55 73.8 38.1 114.5  
98 48.0 24.4 73.4





#39

1,2-Dichloropropane

Concen: 5.149 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 1432

Ion Ratio Lower Upper

63 100

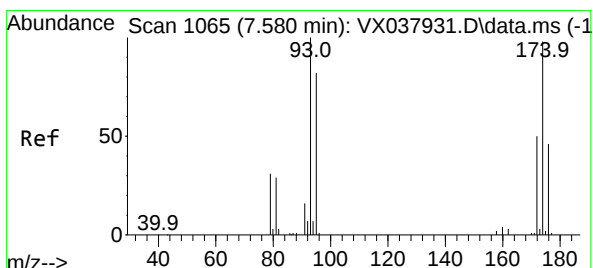
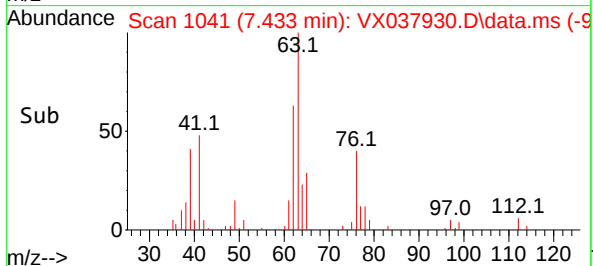
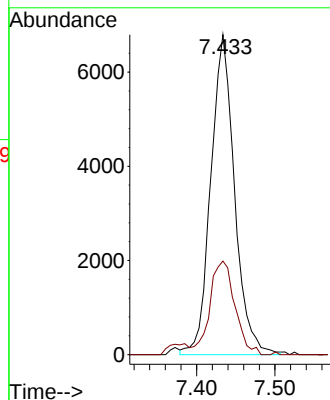
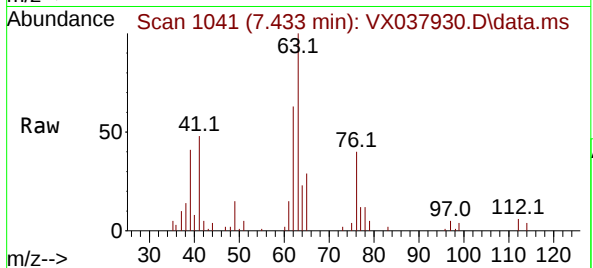
65 29.5 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#40

Dibromomethane

Concen: 4.959 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

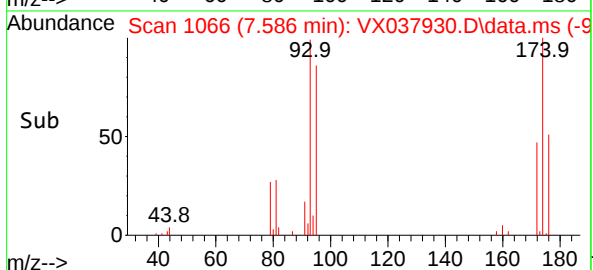
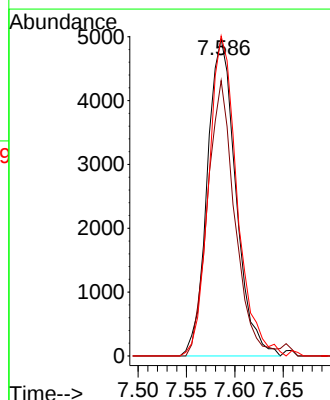
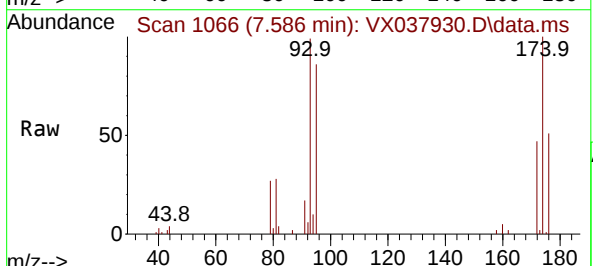
Tgt Ion: 93 Resp: 10178

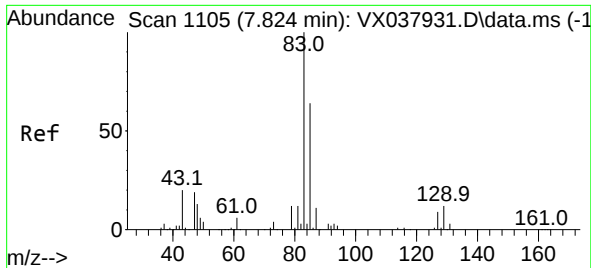
Ion Ratio Lower Upper

93 100

95 82.8 0.0 166.8

174 100.6 0.0 191.6





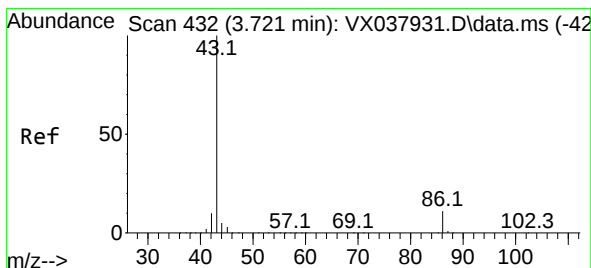
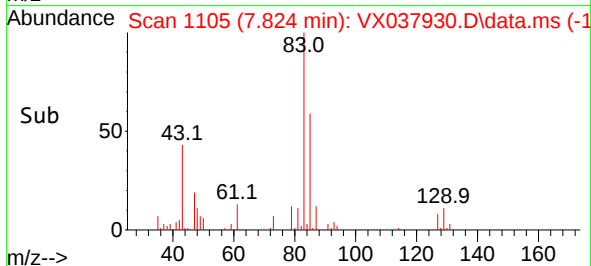
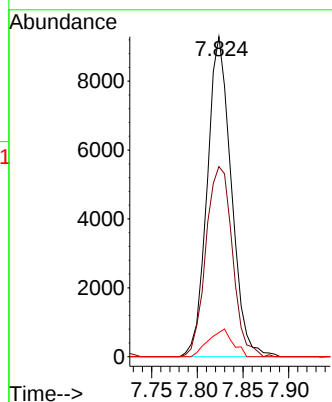
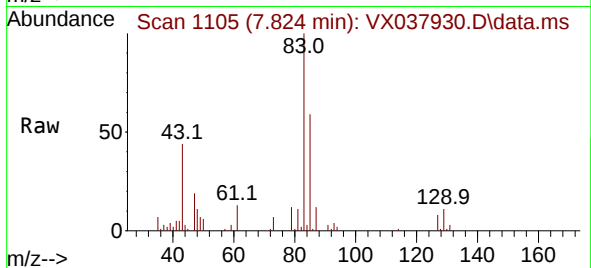
#41  
Bromodichloromethane  
Concen: 4.537 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion: 83 Resp: 17004  
Ion Ratio Lower Upper  
83 100  
85 59.4 51.5 77.3  
127 7.5 6.4 9.6

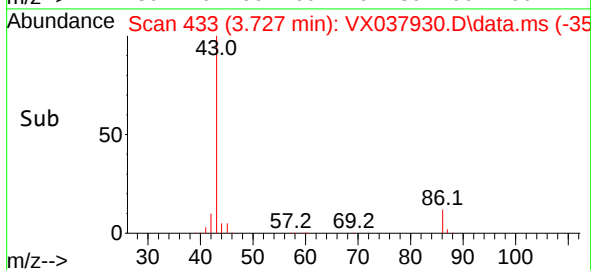
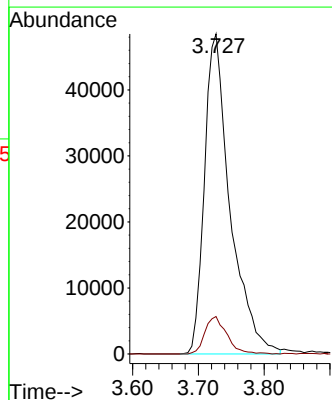
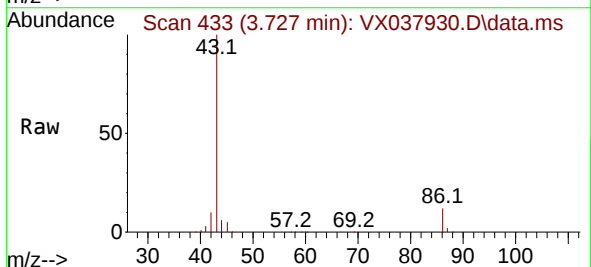
Manual Integrations  
APPROVED

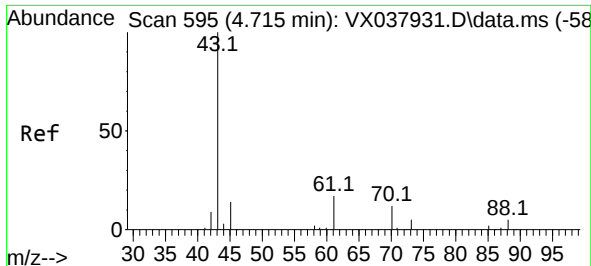
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#42  
Vinyl Acetate  
Concen: 23.908 ug/l  
RT: 3.727 min Scan# 433  
Delta R.T. 0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 43 Resp: 131651  
Ion Ratio Lower Upper  
43 100  
86 9.9 7.4 11.0





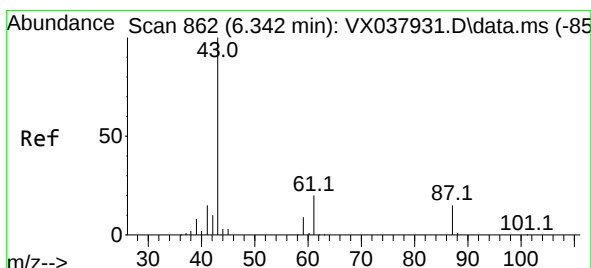
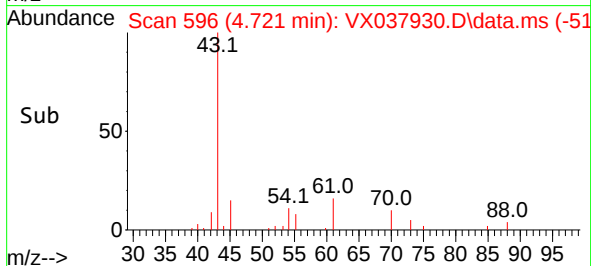
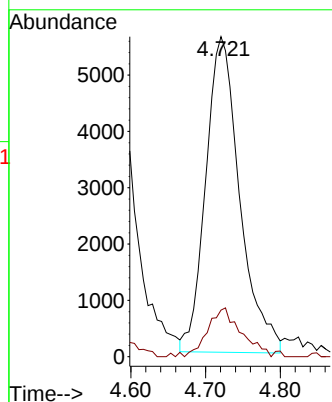
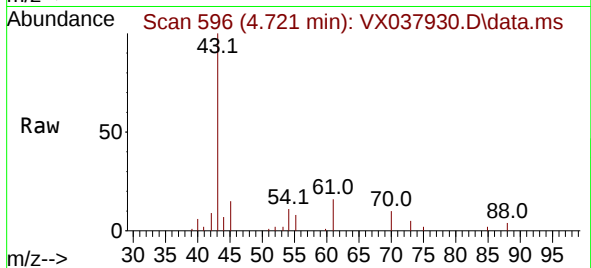
#43  
Ethyl Acetate  
Concen: 5.144 ug/l  
RT: 4.721 min Scan# 596  
Delta R.T. 0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion: 43 Resp: 17764  
Ion Ratio Lower Upper  
43 100  
45 15.1 12.6 18.8

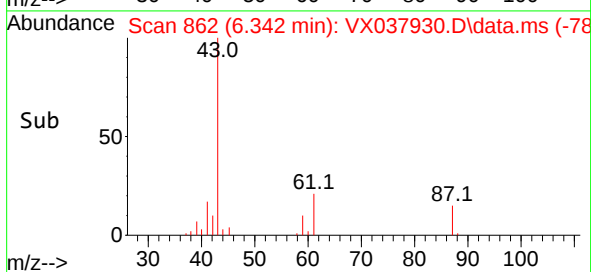
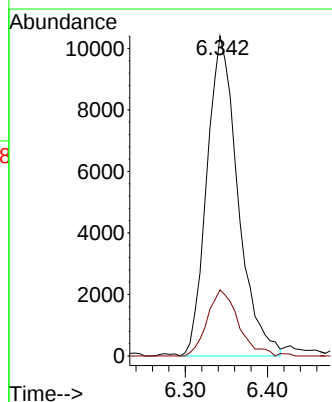
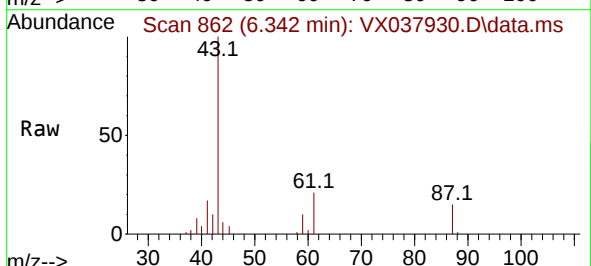
Manual Integrations  
APPROVED

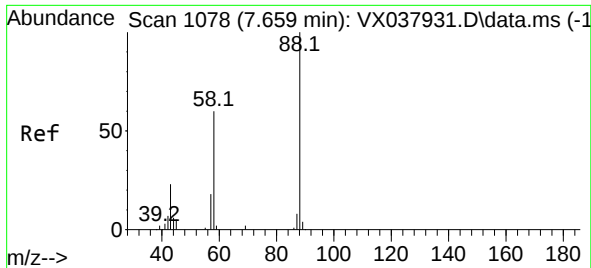
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#44  
Isopropyl Acetate  
Concen: 4.778 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

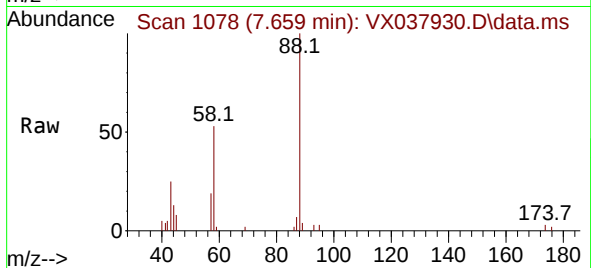
Tgt Ion: 43 Resp: 27298  
Ion Ratio Lower Upper  
43 100  
61 19.8 15.4 23.0





#45  
1,4-Dioxane  
Concen: 97.628 ug/l  
RT: 7.659 min Scan# 1078  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

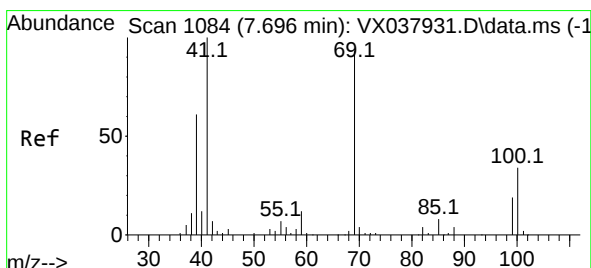
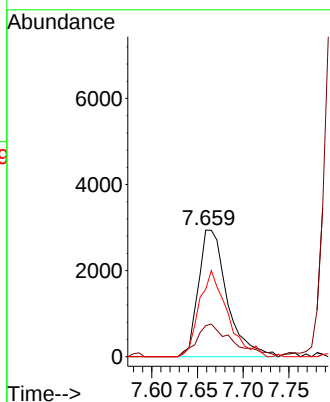
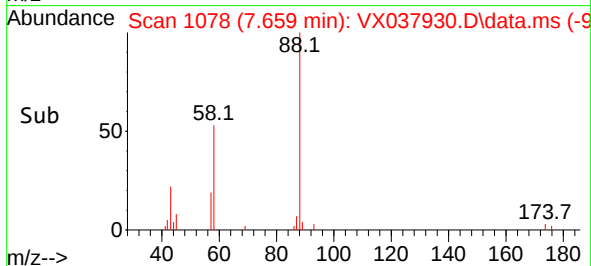
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005



Tgt Ion: 88 Resp: 642  
Ion Ratio Lower Upper  
88 100  
43 31.7 297.5 446.3  
58 64.7 1.0 1.4

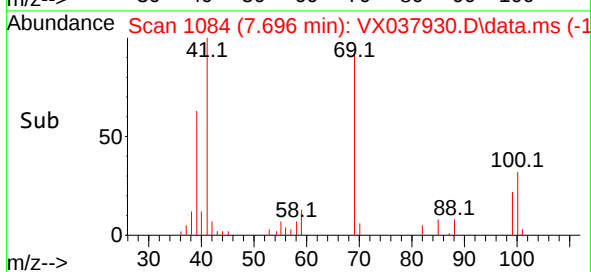
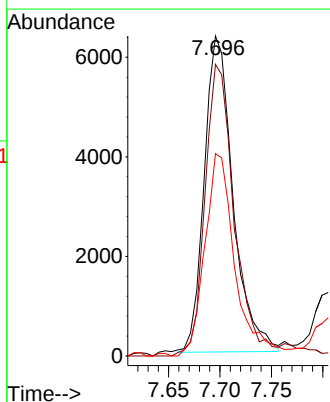
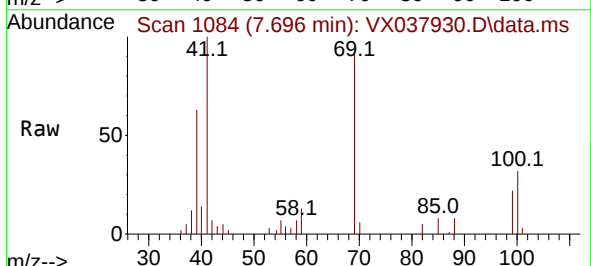
Manual Integrations  
APPROVED

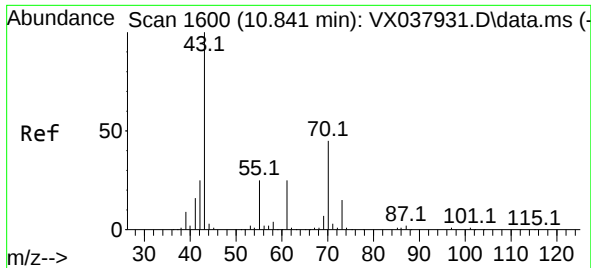
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#46  
Methyl methacrylate  
Concen: 4.554 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

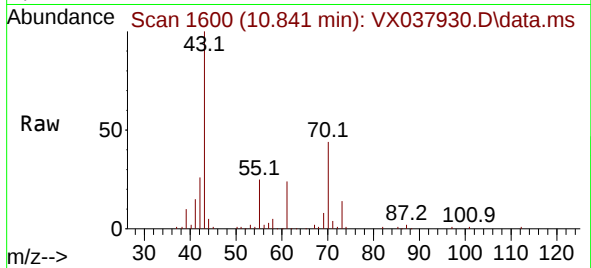
Tgt Ion: 41 Resp: 12367  
Ion Ratio Lower Upper  
41 100  
69 91.8 44.4 133.1  
39 64.5 34.9 104.7





#47  
n-amyl acetate  
Concen: 4.384 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

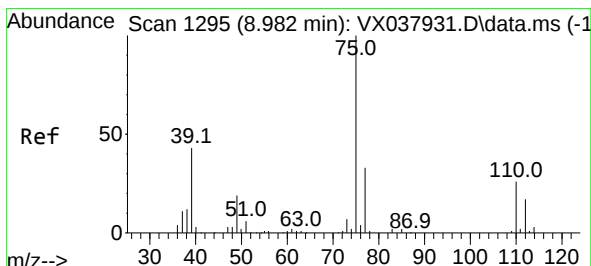
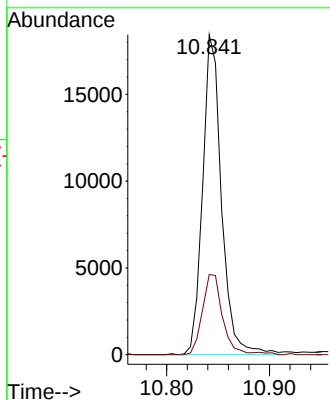
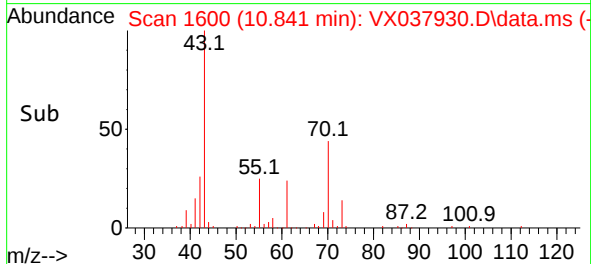
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



Tgt Ion: 43 Resp: 2356  
Ion Ratio Lower Upper  
43 100  
55 26.3 18.6 28.0

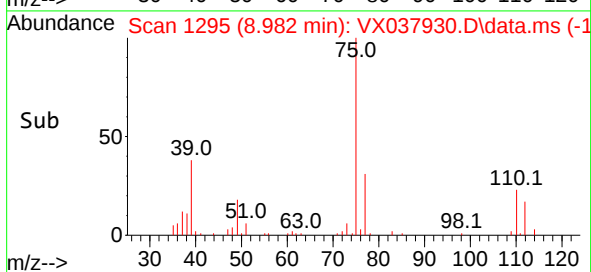
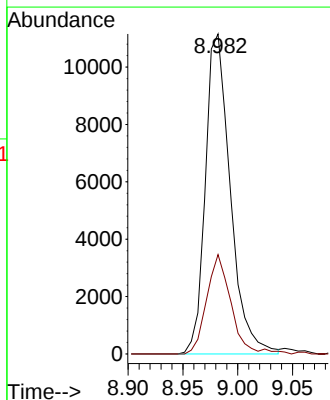
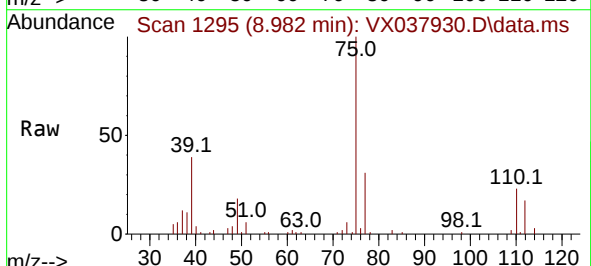
Manual Integrations  
APPROVED

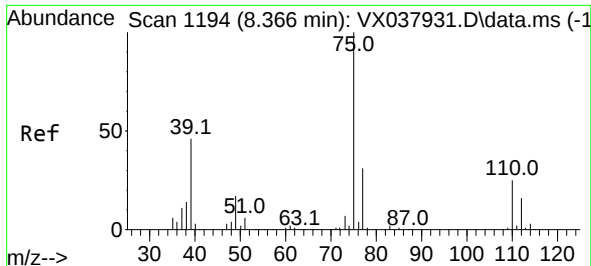
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#48  
t-1,3-Dichloropropene  
Concen: 4.336 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 75 Resp: 17651  
Ion Ratio Lower Upper  
75 100  
77 31.1 26.8 40.2





#49

cis-1,3-Dichloropropene

Concen: 4.488 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 19620

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2

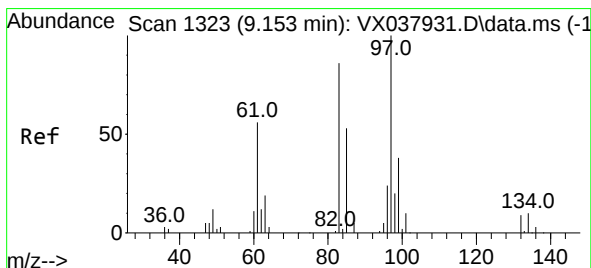
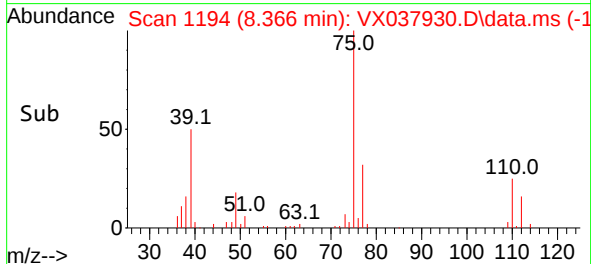
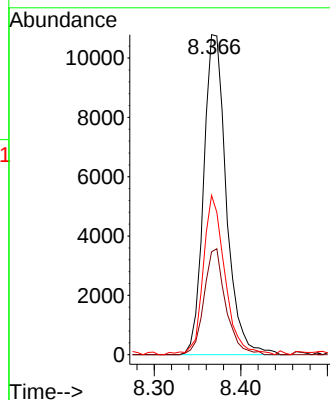
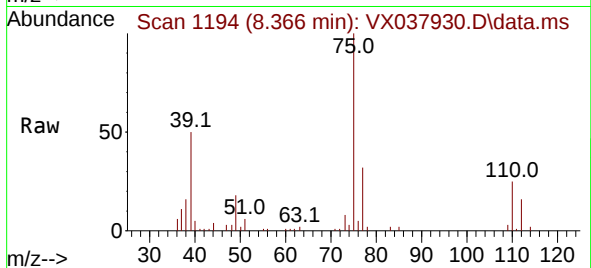
39 49.0 40.2 60.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#50

1,1,2-Trichloroethane

Concen: 4.960 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

Tgt Ion: 97 Resp: 14550

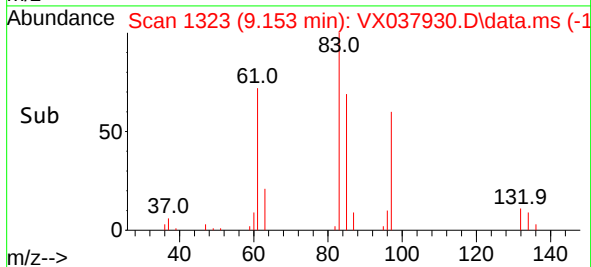
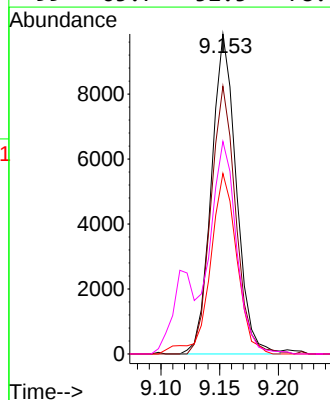
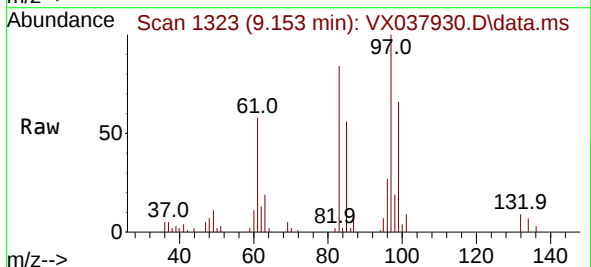
Ion Ratio Lower Upper

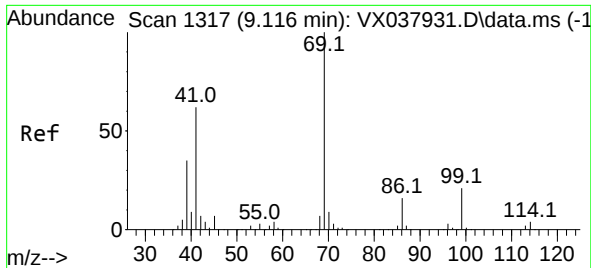
97 100

83 83.7 70.0 105.0

85 56.4 46.1 69.1

99 65.7 52.5 78.7





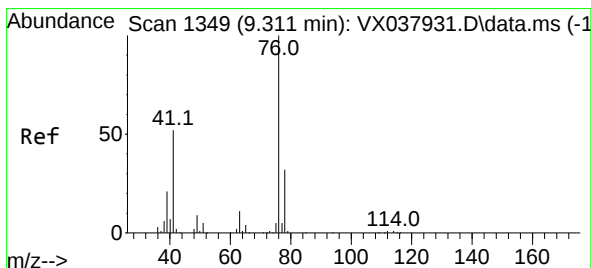
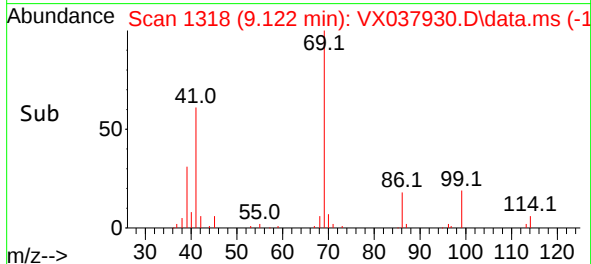
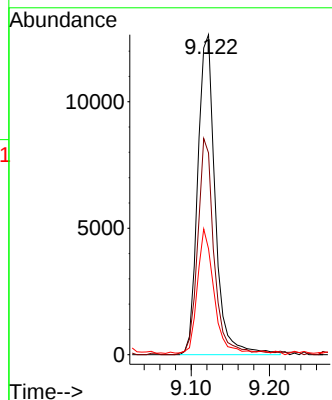
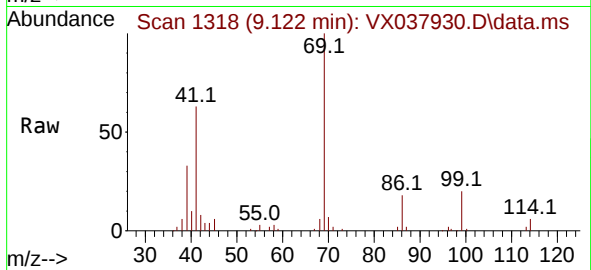
#51  
Ethyl methacrylate  
Concen: 4.553 ug/l  
RT: 9.122 min Scan# 1318  
Delta R.T. 0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion: 69 Resp: 19670  
Ion Ratio Lower Upper  
69 100  
41 62.5 32.0 96.0  
39 32.5 19.4 58.4

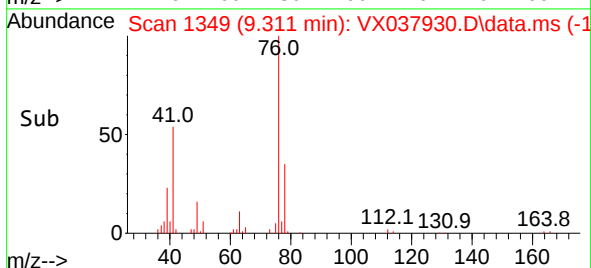
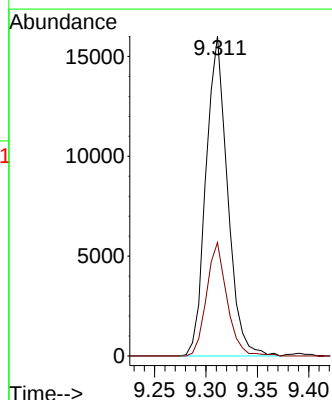
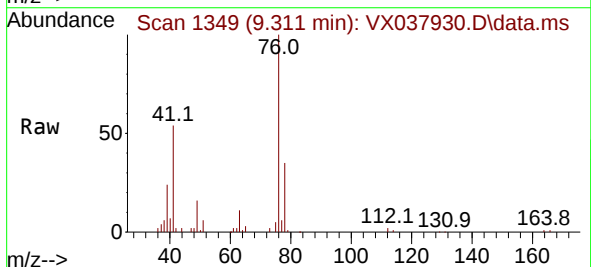
Manual Integrations  
APPROVED

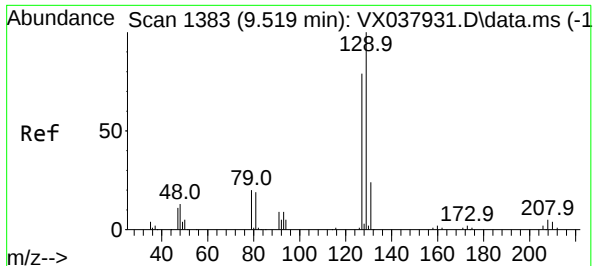
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#52  
1,3-Dichloropropane  
Concen: 4.978 ug/l  
RT: 9.311 min Scan# 1349  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

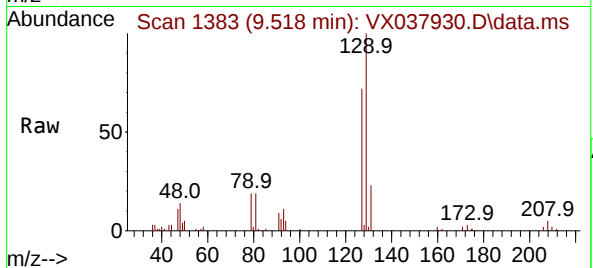
Tgt Ion: 76 Resp: 23424  
Ion Ratio Lower Upper  
76 100  
78 33.1 0.0 63.6





#53  
Dibromochloromethane  
Concen: 4.138 ug/l  
RT: 9.518 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

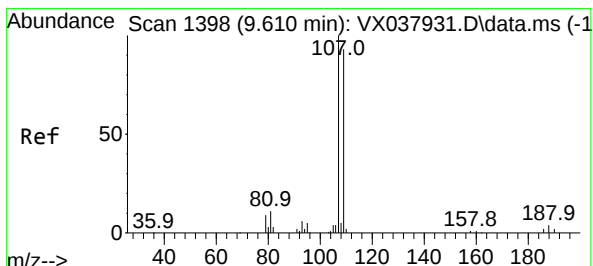
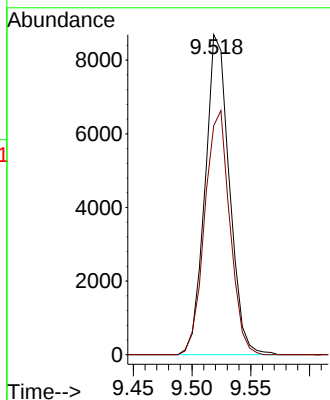
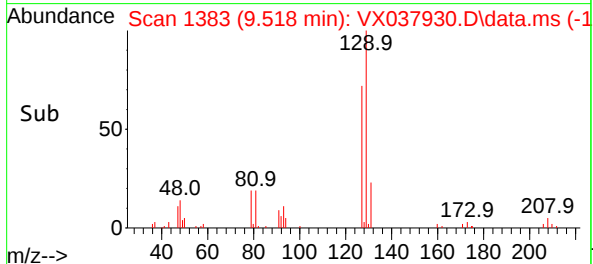
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



Tgt Ion:129 Resp: 12508  
Ion Ratio Lower Upper  
129 100  
127 78.8 38.6 115.8

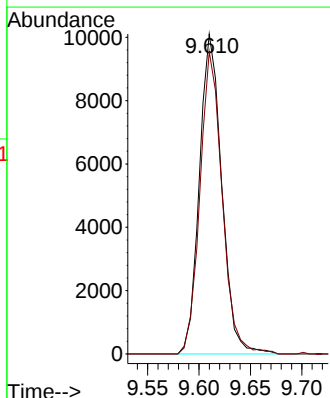
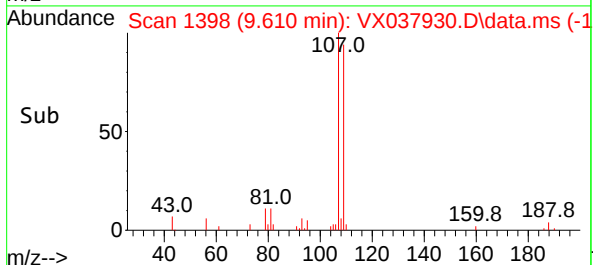
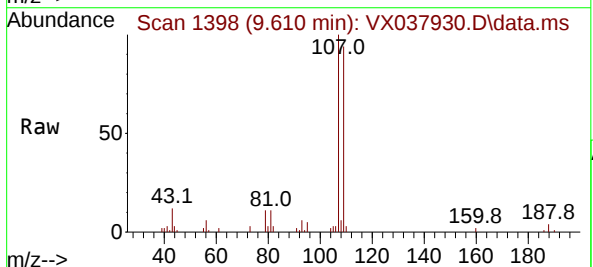
Manual Integrations  
APPROVED

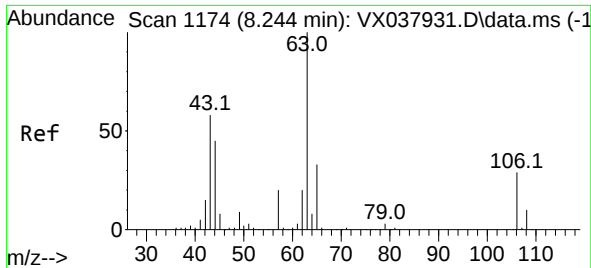
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#54  
1,2-Dibromoethane  
Concen: 4.798 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion:107 Resp: 15273  
Ion Ratio Lower Upper  
107 100  
109 94.1 74.7 112.1





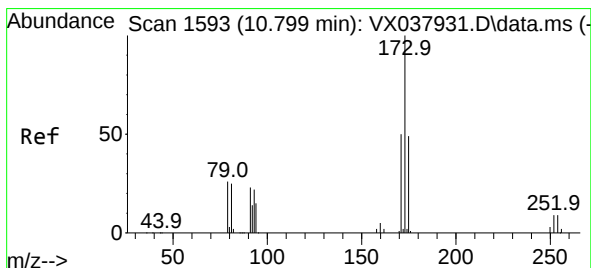
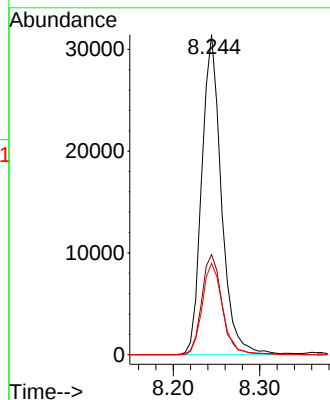
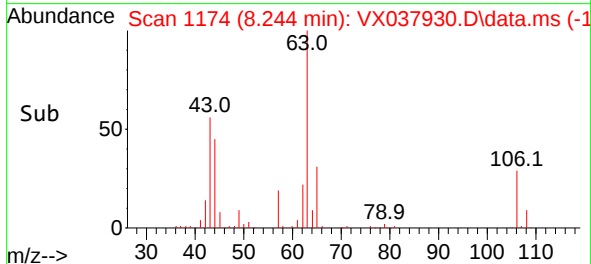
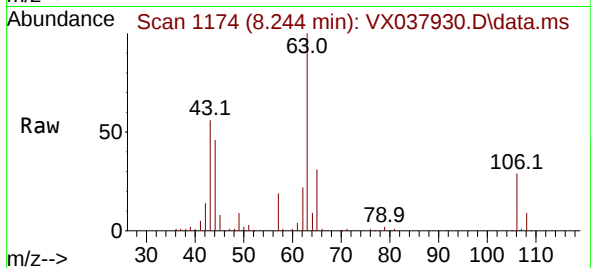
#55  
2-Chloroethyl vinyl ether  
Concen: 23.466 ug/l  
RT: 8.244 min Scan# 1174  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion: 63 Resp: 49439  
Ion Ratio Lower Upper  
63 100  
65 32.5 25.9 38.9  
106 29.6 21.8 32.8

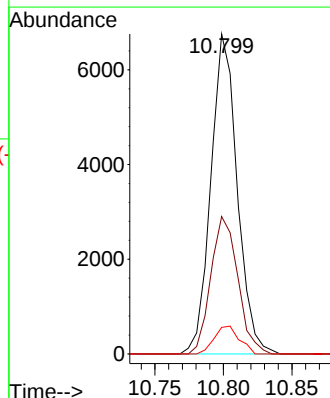
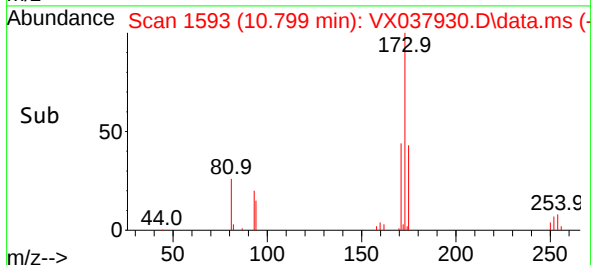
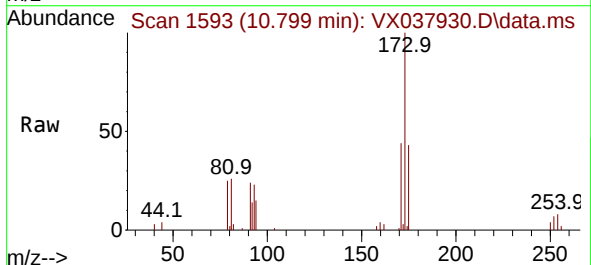
Manual Integrations  
APPROVED

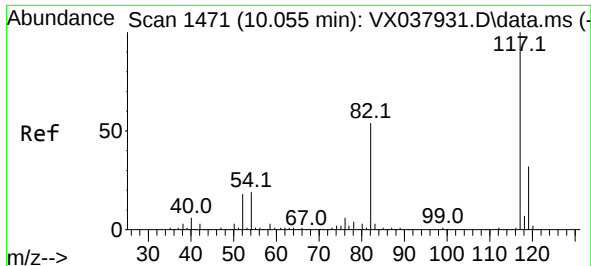
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#56  
Bromoform  
Concen: 3.972 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

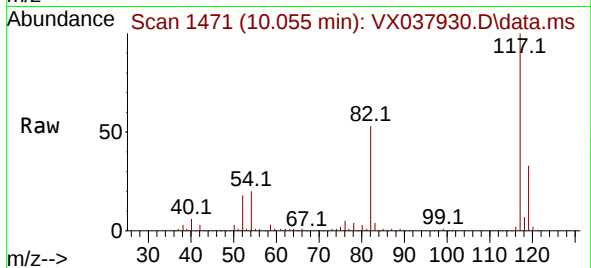
Tgt Ion:173 Resp: 9031  
Ion Ratio Lower Upper  
173 100  
175 43.9 38.1 57.1  
254 8.3 6.7 10.1





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

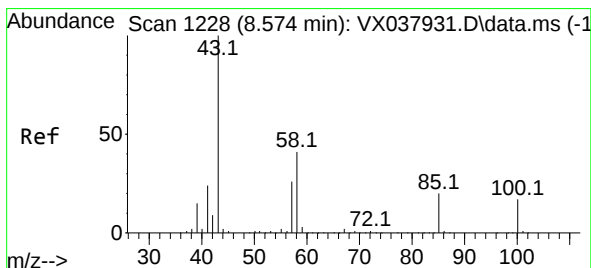
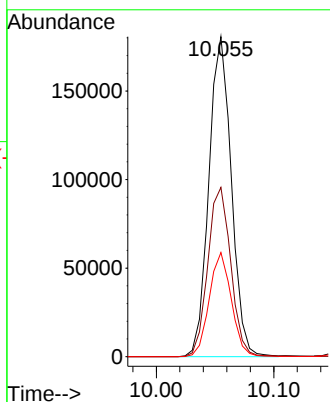
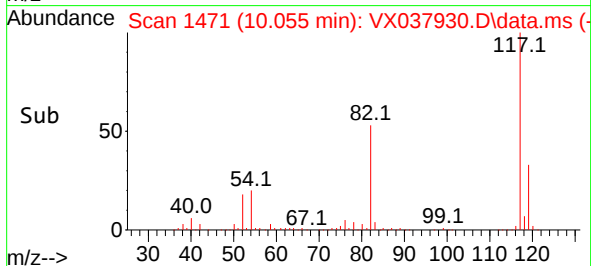
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



Tgt Ion: 117 Resp: 24051  
Ion Ratio Lower Upper  
117 100  
82 54.2 44.7 67.1  
119 32.1 25.6 38.4

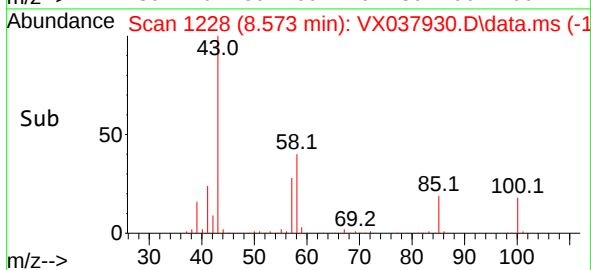
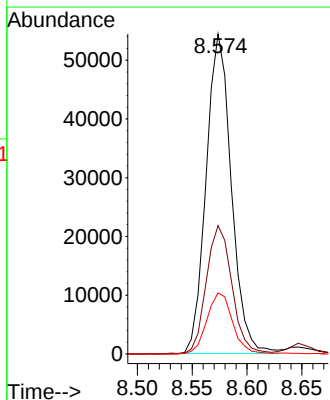
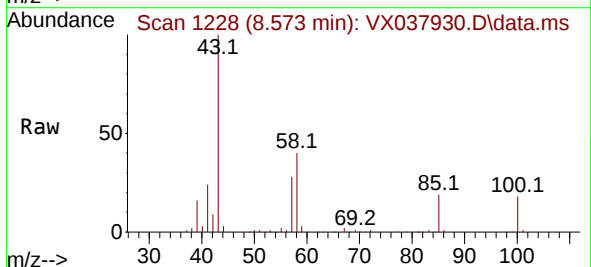
Manual Integrations  
APPROVED

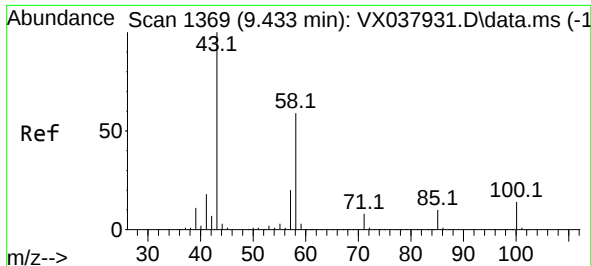
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#58  
4-Methyl-2-Pentanone  
Concen: 24.763 ug/l  
RT: 8.573 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 43 Resp: 87187  
Ion Ratio Lower Upper  
43 100  
58 40.7 30.9 46.3  
85 19.4 14.4 21.6





#59

2-Hexanone

Concen: 24.405 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 6525

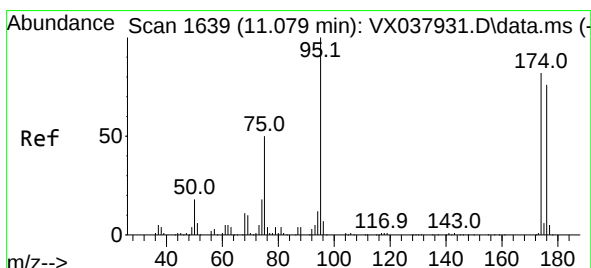
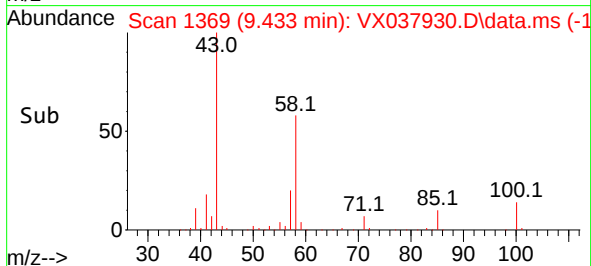
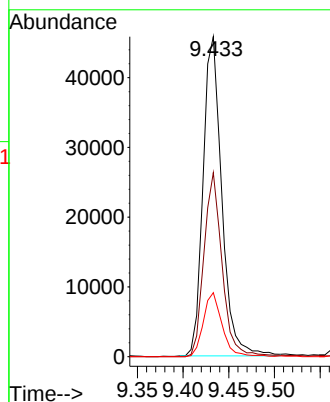
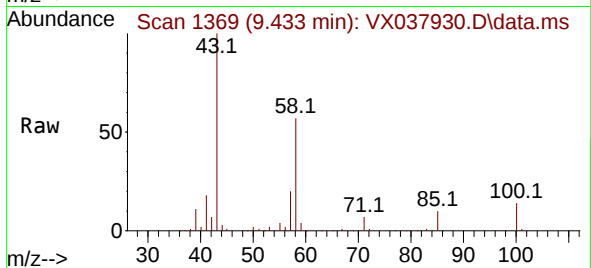
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 56.1  | 43.4  | 65.2  |
| 57  | 19.9  | 15.1  | 22.7  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#60

4-Bromofluorobenzene

Concen: 29.041 ug/l

RT: 11.079 min Scan# 1639

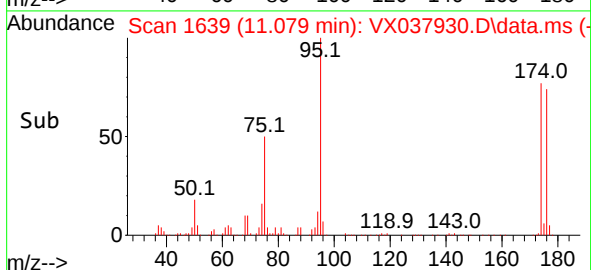
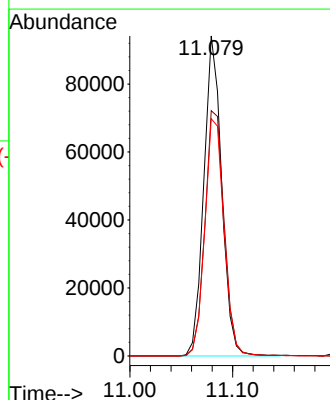
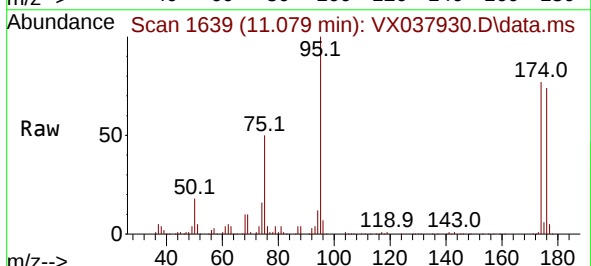
Delta R.T. -0.000 min

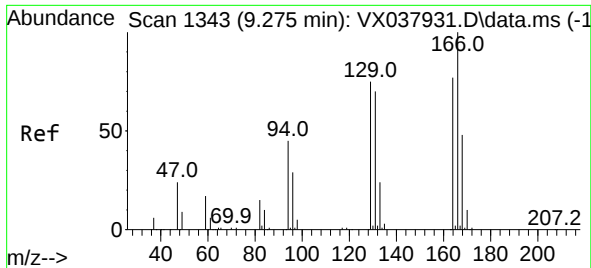
Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

Tgt Ion: 95 Resp: 113862

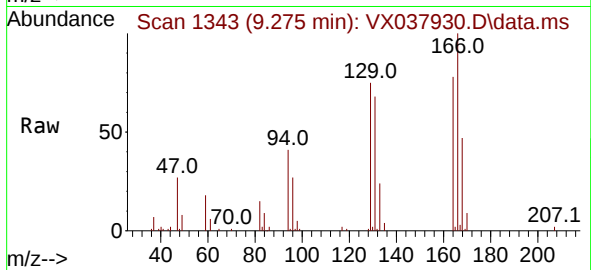
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 82.6  | 60.5  | 90.7  |
| 176 | 79.5  | 58.2  | 87.4  |





#61  
Tetrachloroethene  
Concen: 5.139 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

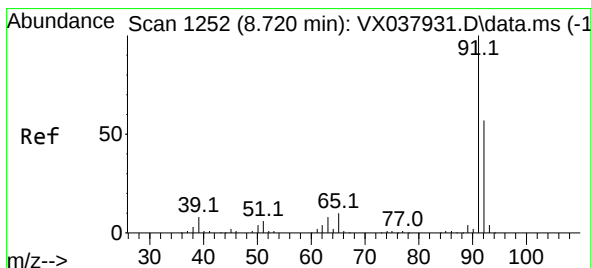
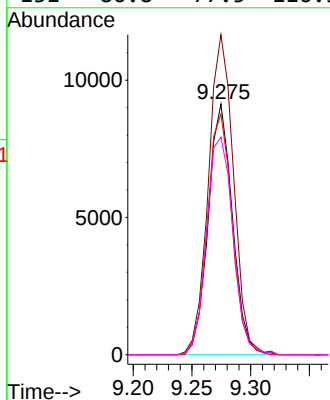
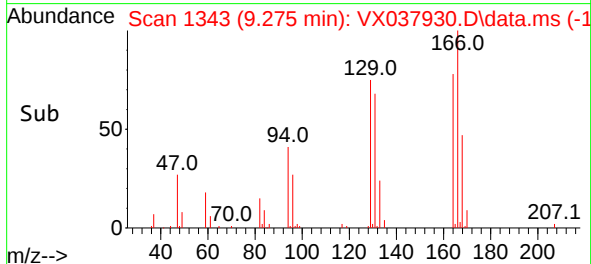
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



Tgt Ion:164 Resp: 1315  
Ion Ratio Lower Upper  
164 100  
166 127.6 104.5 156.7  
129 96.0 78.0 117.0  
131 86.8 77.5 116.3

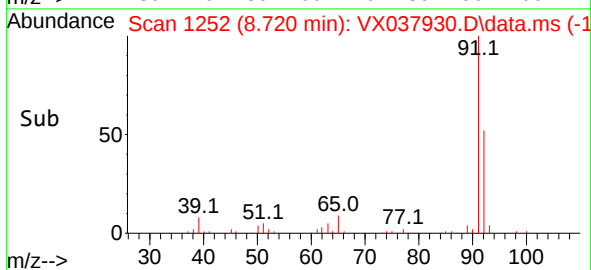
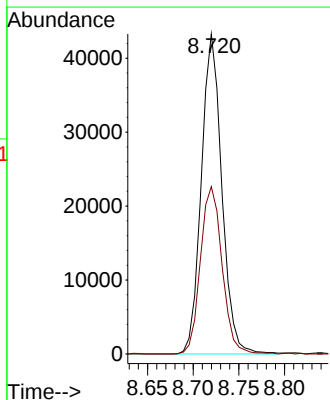
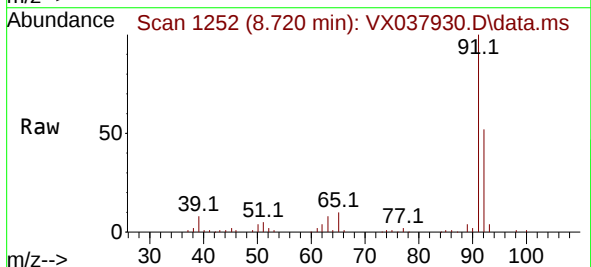
Manual Integrations  
APPROVED

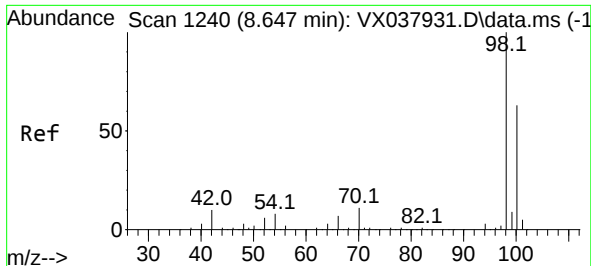
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#62  
Toluene  
Concen: 5.399 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

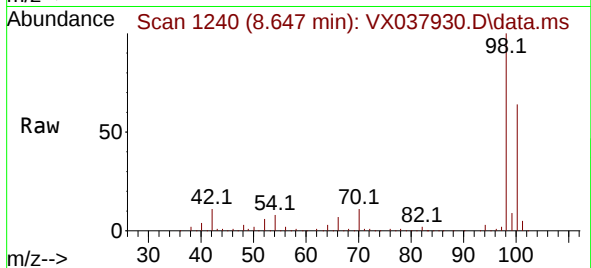
Tgt Ion: 91 Resp: 67362  
Ion Ratio Lower Upper  
91 100  
92 55.2 44.9 67.3





#63  
Toluene-d8  
Concen: 30.163 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

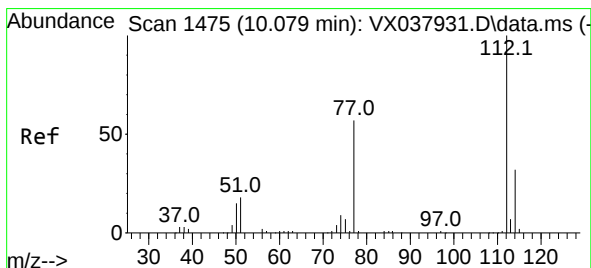
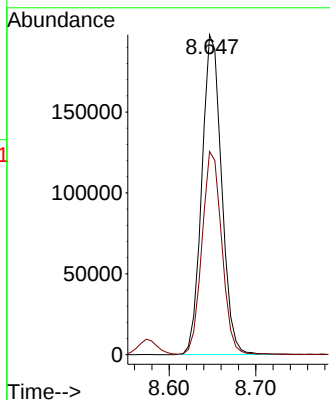
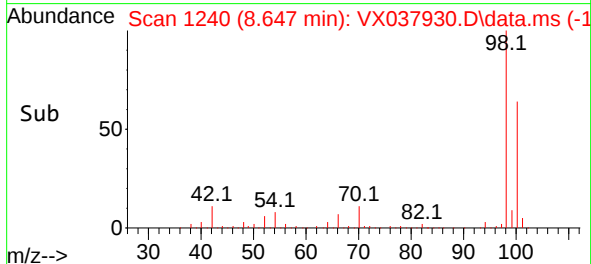
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005



Tgt Ion: 98 Resp: 313160  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.6 77.4

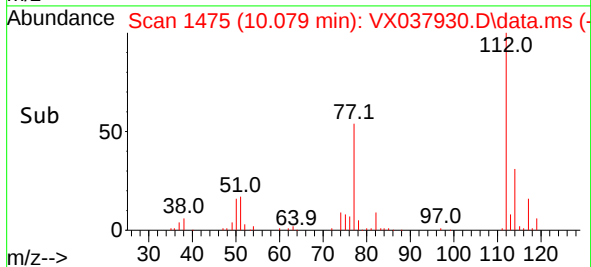
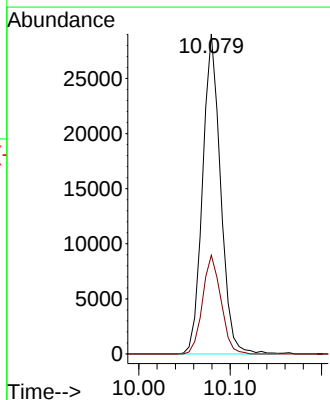
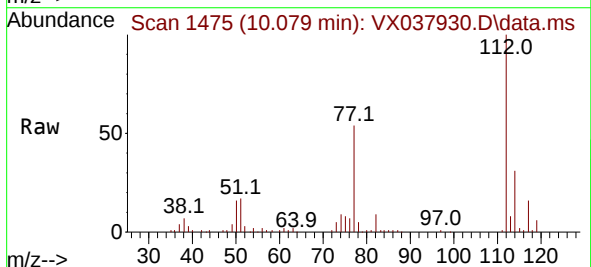
Manual Integrations  
APPROVED

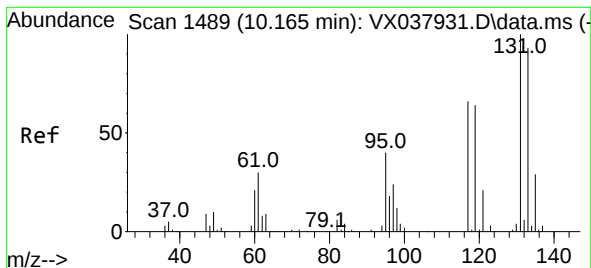
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#64  
Chlorobenzene  
Concen: 5.089 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion:112 Resp: 39607  
Ion Ratio Lower Upper  
112 100  
114 30.8 25.8 38.6





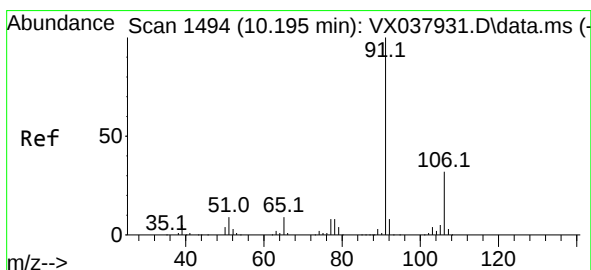
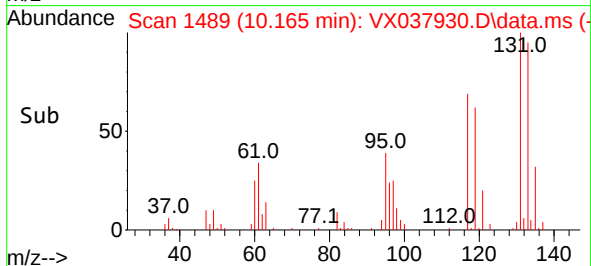
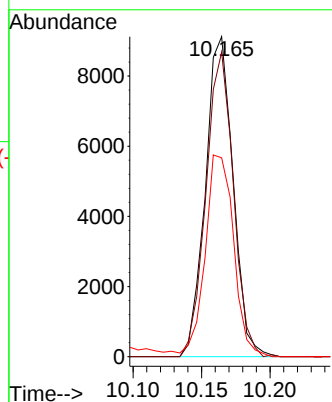
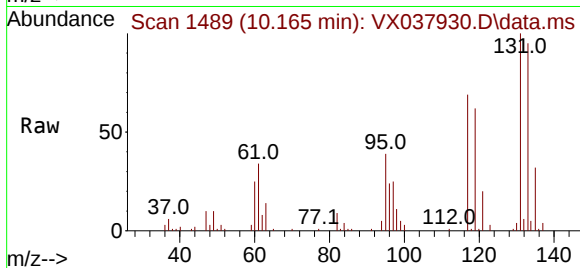
#65  
1,1,1,2-Tetrachloroethane  
Concen: 4.538 ug/l  
RT: 10.165 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion:131 Resp: 12820  
Ion Ratio Lower Upper  
131 100  
133 93.8 0.0 192.0  
119 64.5 0.0 132.8

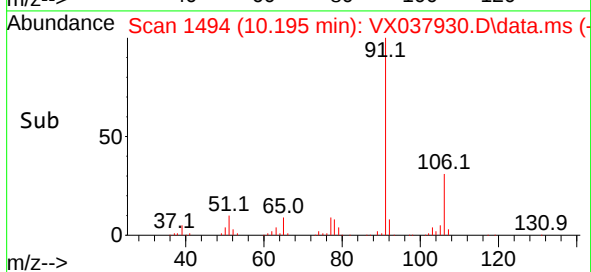
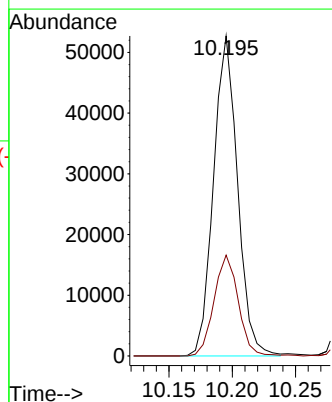
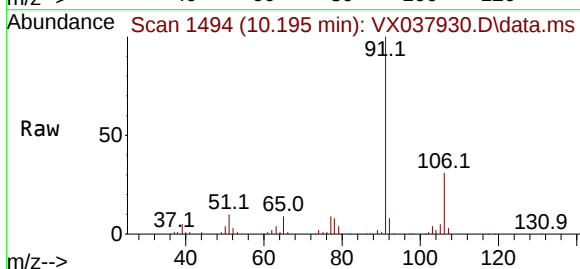
Manual Integrations  
APPROVED

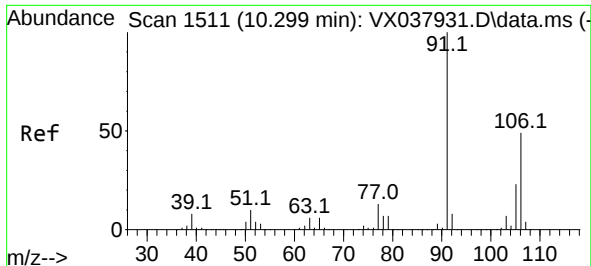
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#66  
Ethyl Benzene  
Concen: 5.053 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 91 Resp: 69577  
Ion Ratio Lower Upper  
91 100  
106 31.5 24.2 36.4





#67

m/p-Xylenes

Concen: 10.053 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion:106 Resp: 54528

Ion Ratio Lower Upper

106 100

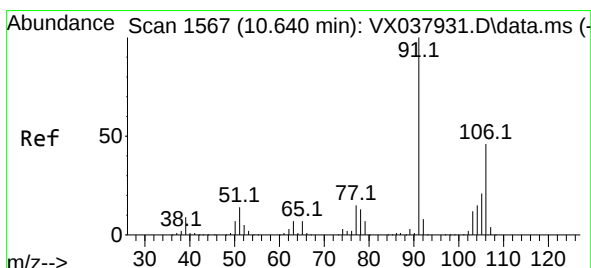
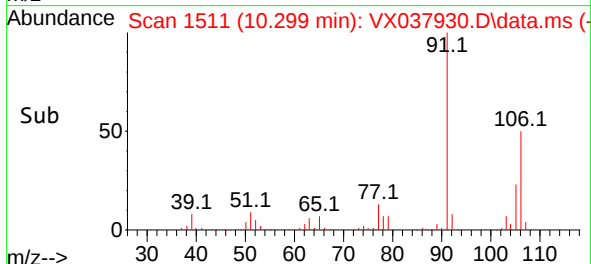
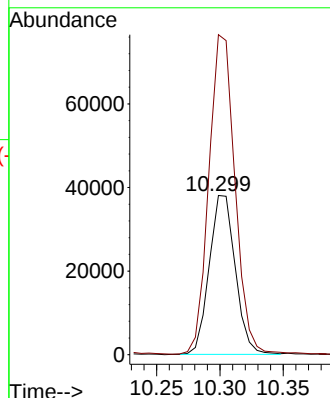
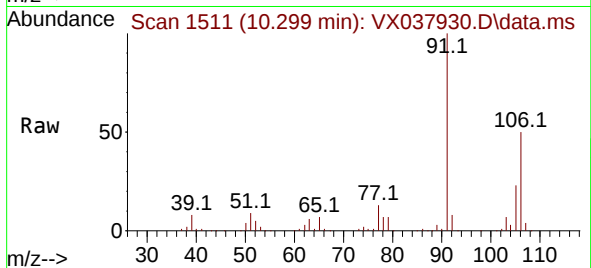
91 203.7 160.5 240.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#68

o-Xylene

Concen: 4.784 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX037930.D

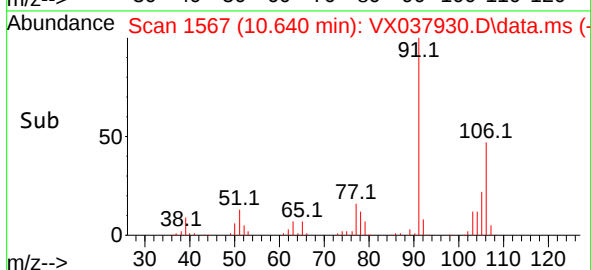
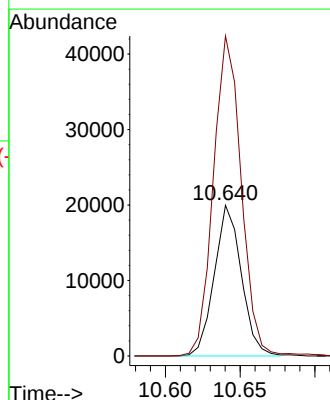
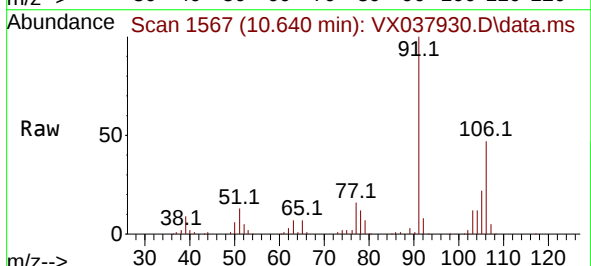
Acq: 27 Sep 2023 18:04

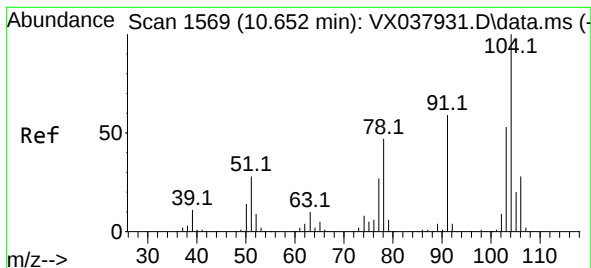
Tgt Ion:106 Resp: 25128

Ion Ratio Lower Upper

106 100

91 219.0 105.4 316.1





#69

Styrene

Concen: 4.657 ug/l

RT: 10.658 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

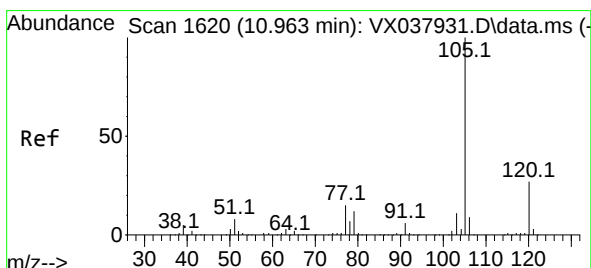
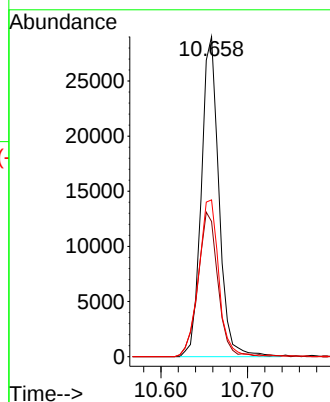
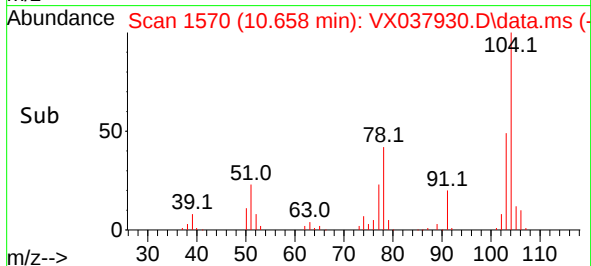
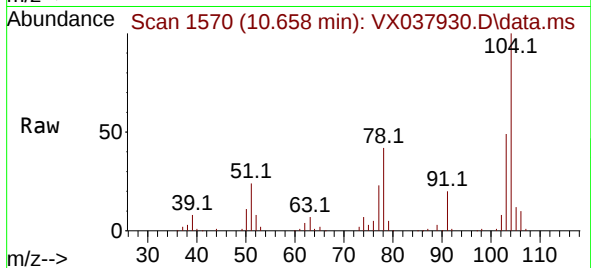
Tgt Ion:104 Resp: 4103  
 Ion Ratio Lower Upper  
 104 100  
 78 50.1 41.0 61.4  
 103 56.1 45.5 68.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#70

Isopropylbenzene

Concen: 4.949 ug/l

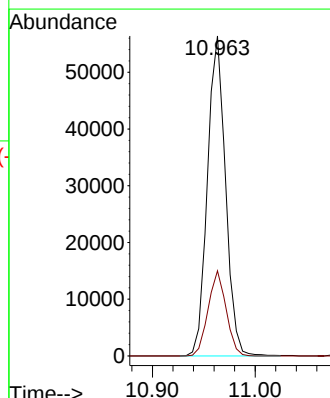
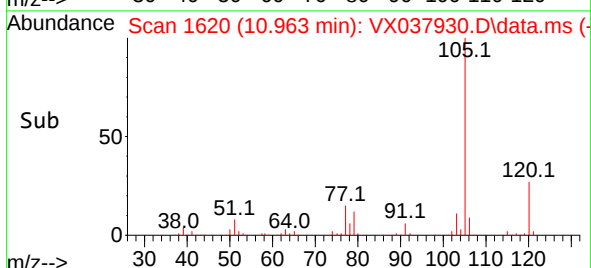
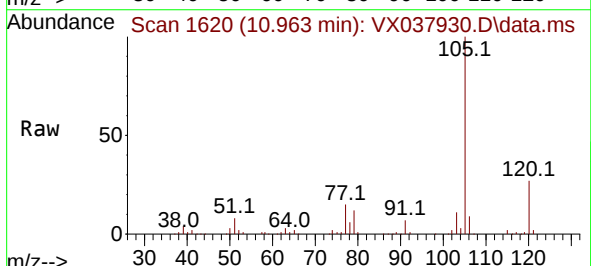
RT: 10.963 min Scan# 1620

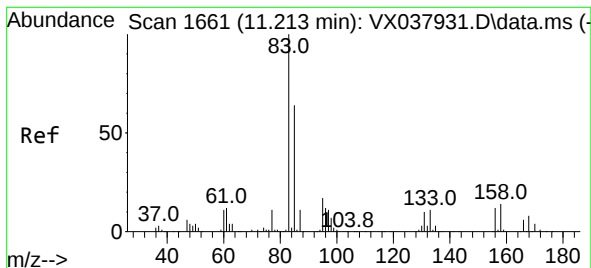
Delta R.T. -0.000 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

Tgt Ion:105 Resp: 68996  
 Ion Ratio Lower Upper  
 105 100  
 120 26.5 19.5 36.3





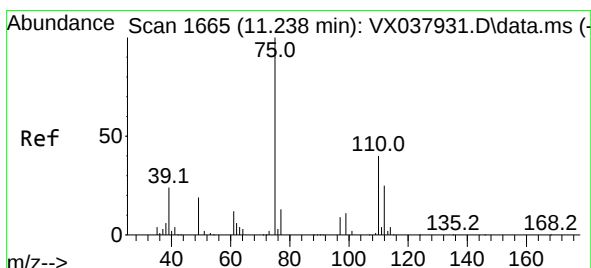
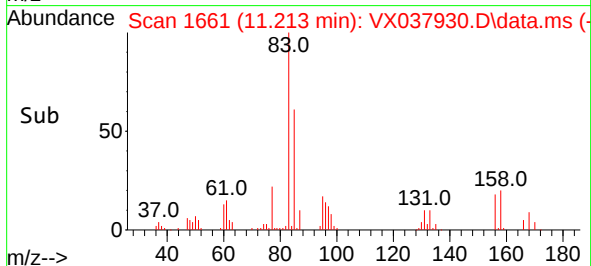
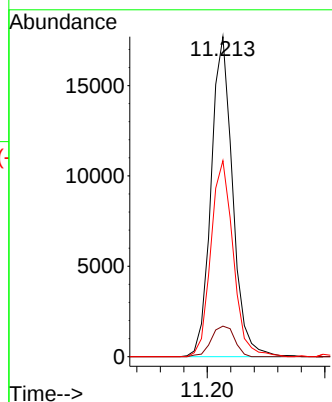
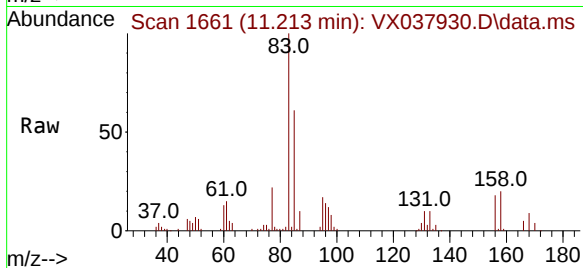
#71  
1,1,2,2-Tetrachloroethane  
Concen: 4.905 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion: 83 Resp: 2253  
Ion Ratio Lower Upper  
83 100  
131 10.4 5.3 15.8  
85 63.6 32.4 97.0

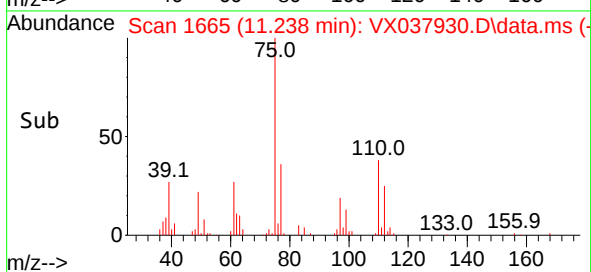
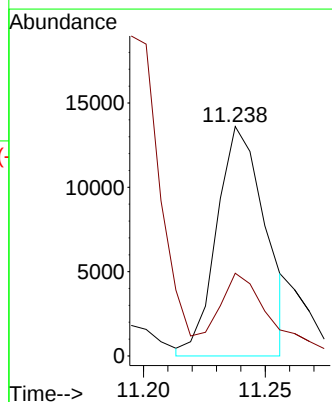
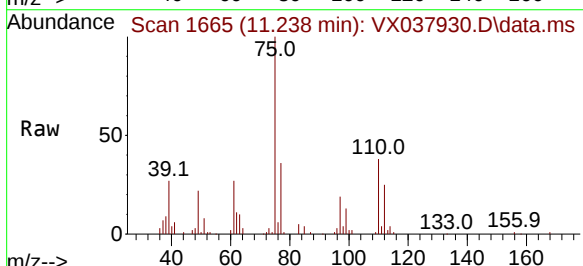
Manual Integrations  
APPROVED

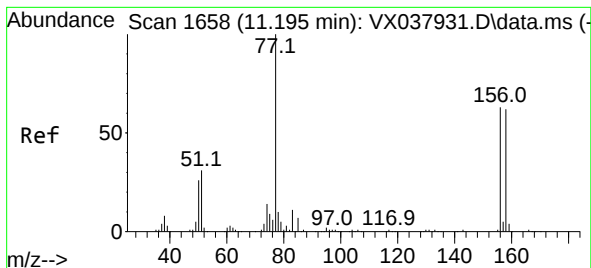
Reviewed By :John Carbone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#72  
1,2,3-Trichloropropane  
Concen: 4.669 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 75 Resp: 18835  
Ion Ratio Lower Upper  
75 100  
77 40.0 0.0 77.2





#73

Bromobenzene

Concen: 4.911 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

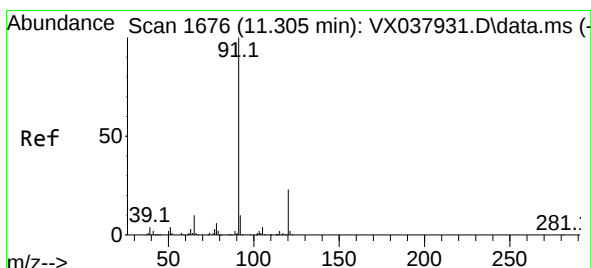
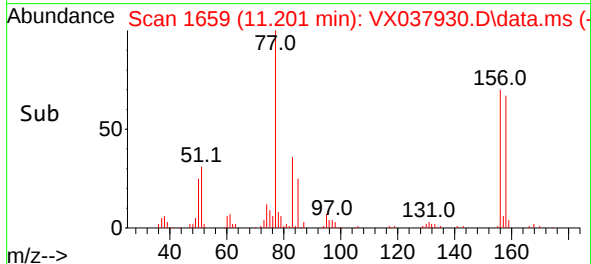
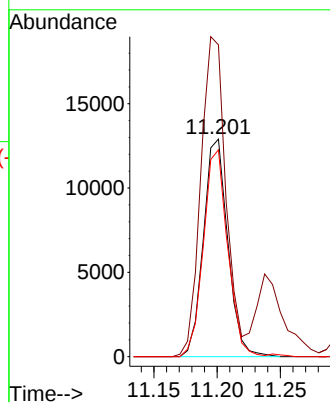
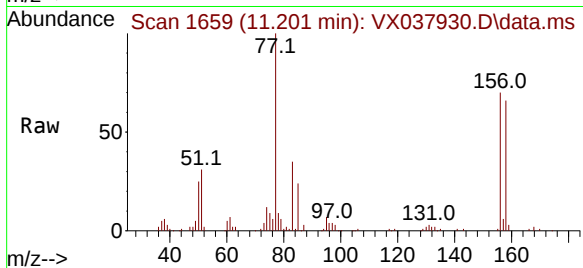
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 1736  |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 150.0 | 0.0   | 333.0 |
| 158       | 94.5  | 0.0   | 196.4 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#74

n-propylbenzene

Concen: 4.897 ug/l

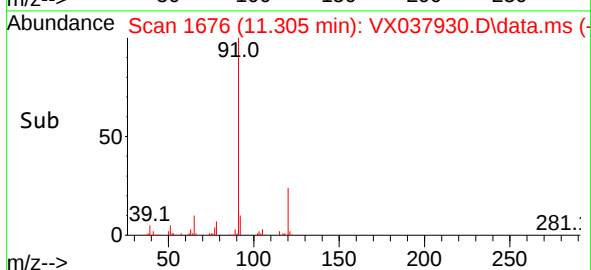
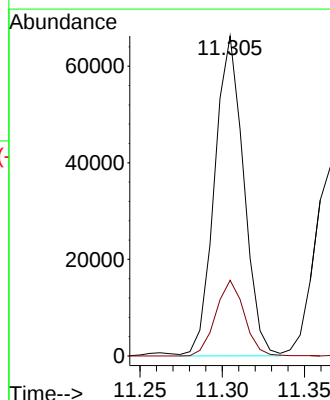
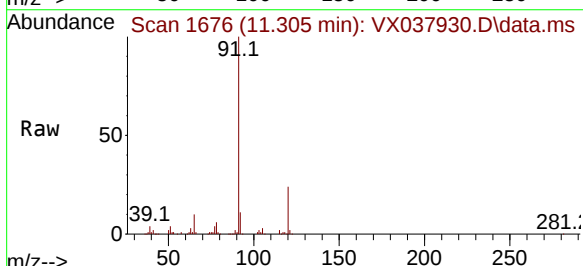
RT: 11.305 min Scan# 1676

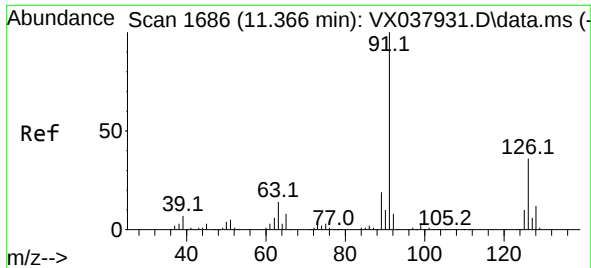
Delta R.T. -0.000 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 81558 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 120       | 23.2  | 0.0   | 46.6  |





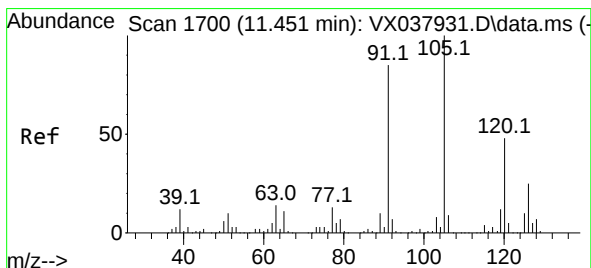
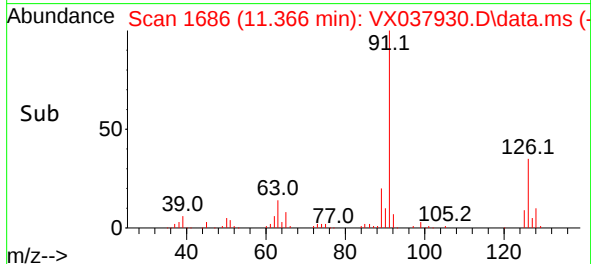
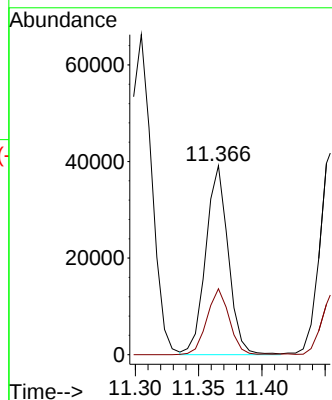
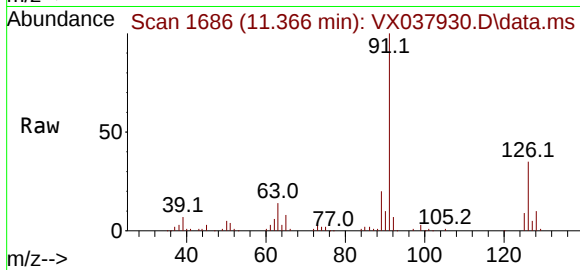
#75  
2-Chlorotoluene  
Concen: 4.984 ug/l  
RT: 11.366 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion: 91 Resp: 48598  
Ion Ratio Lower Upper  
91 100  
126 34.4 0.0 66.2

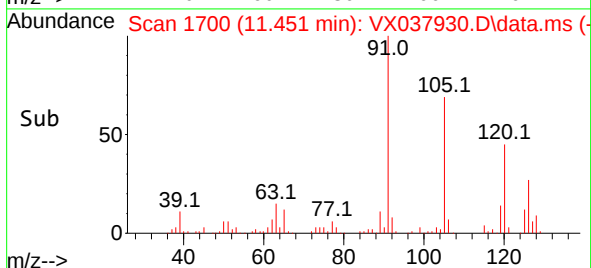
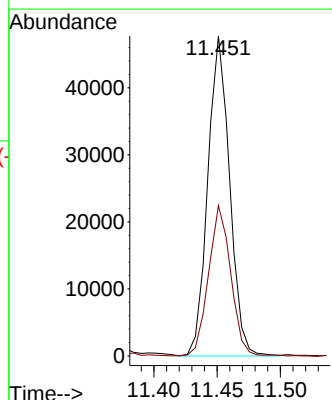
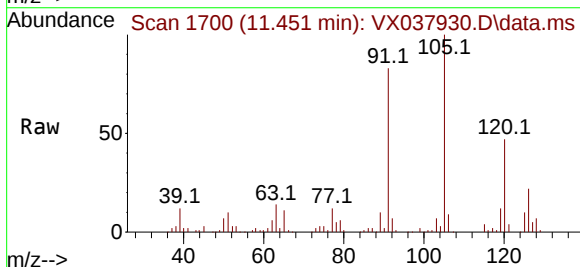
Manual Integrations  
APPROVED

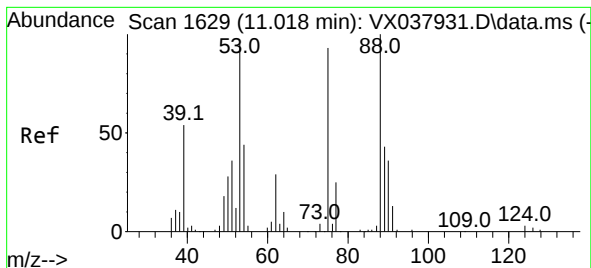
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#76  
1,3,5-Trimethylbenzene  
Concen: 4.765 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

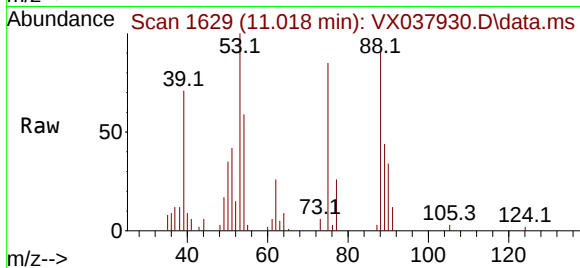
Tgt Ion:105 Resp: 57280  
Ion Ratio Lower Upper  
105 100  
120 47.6 0.0 96.4





#77  
t-1,4-Dichloro-2-butene  
Concen: 3.487 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

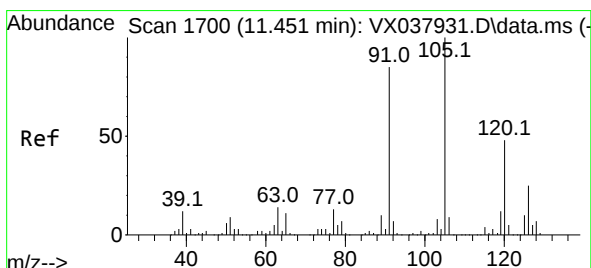
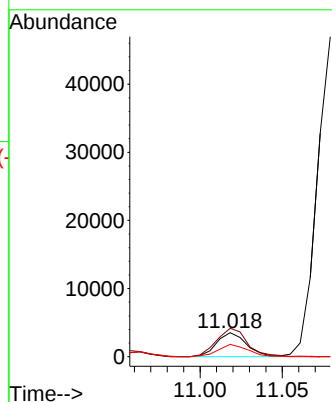
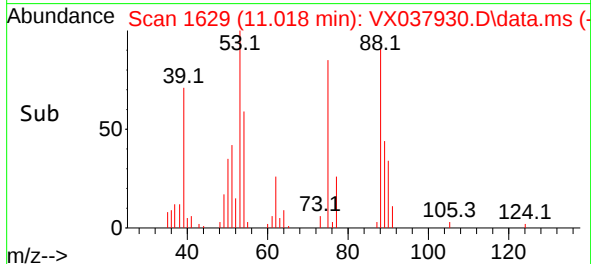
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



Tgt Ion: 75 Resp: 4458  
Ion Ratio Lower Upper  
75 100  
53 118.1 53.9 161.7  
89 51.7 22.1 66.1

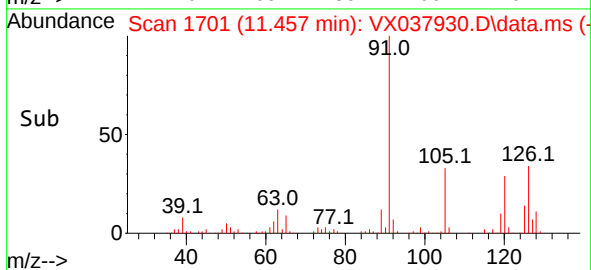
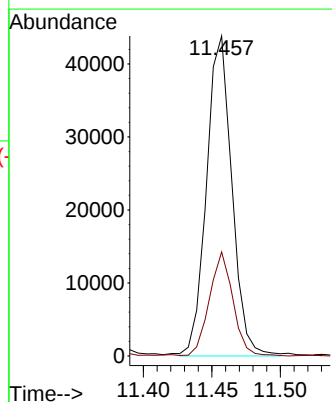
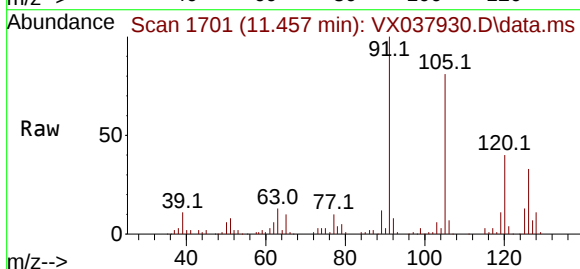
Manual Integrations  
APPROVED

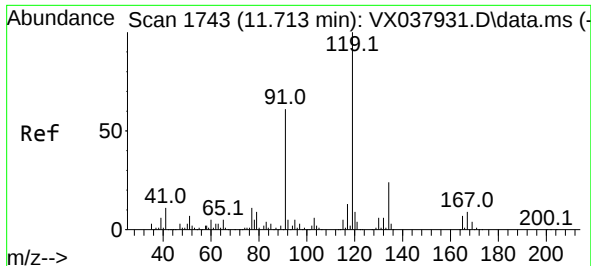
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#78  
4-Chlorotoluene  
Concen: 4.940 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion: 91 Resp: 56497  
Ion Ratio Lower Upper  
91 100  
126 30.1 0.0 59.4





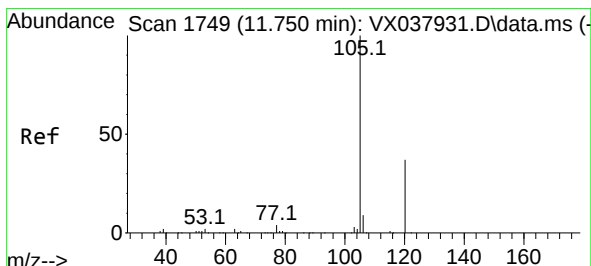
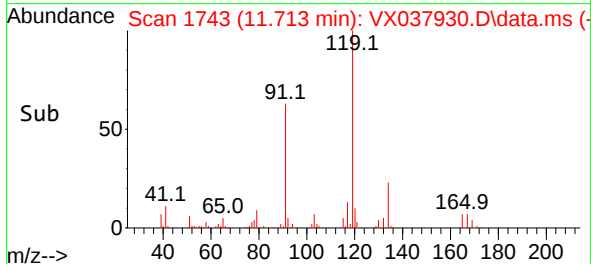
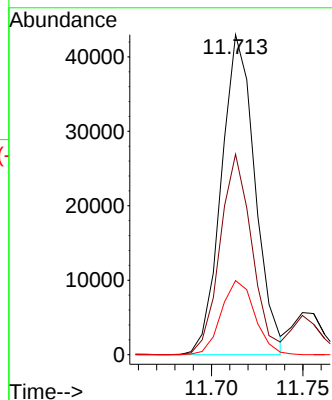
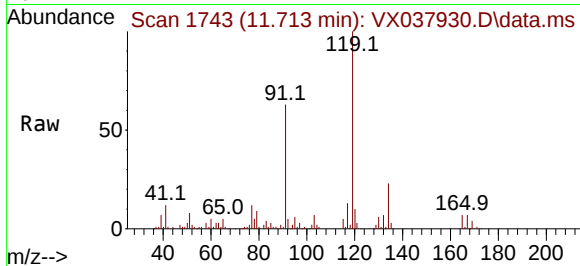
#79  
tert-butylbenzene  
Concen: 4.668 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion:119 Resp: 55238  
Ion Ratio Lower Upper  
119 100  
91 59.2 0.0 124.4  
134 23.0 0.0 47.2

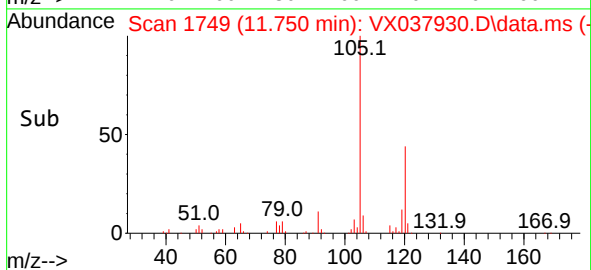
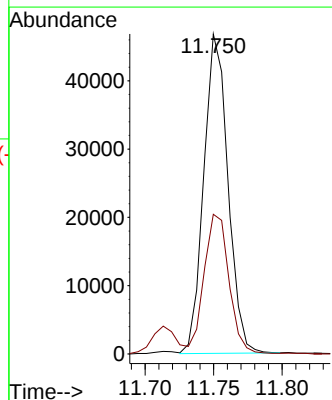
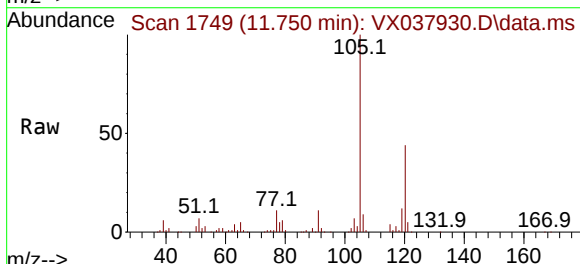
Manual Integrations  
APPROVED

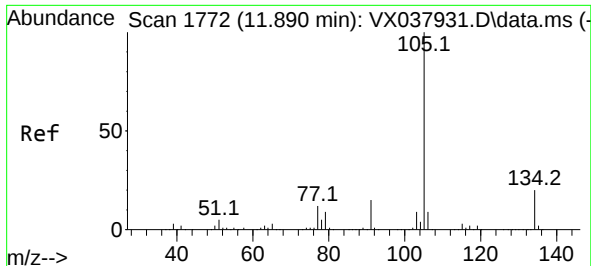
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#80  
1,2,4-Trimethylbenzene  
Concen: 4.799 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Tgt Ion:105 Resp: 57348  
Ion Ratio Lower Upper  
105 100  
120 45.0 0.0 90.2





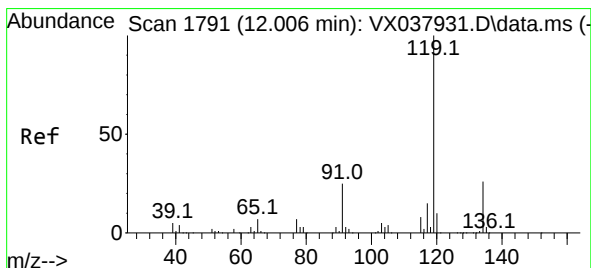
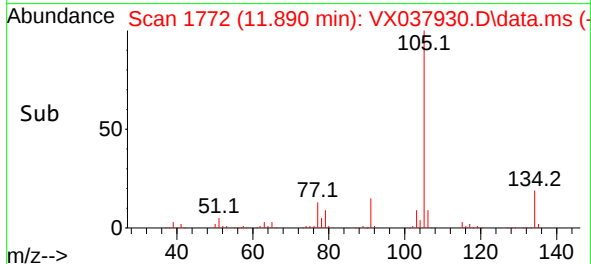
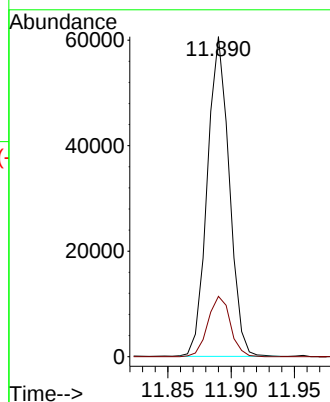
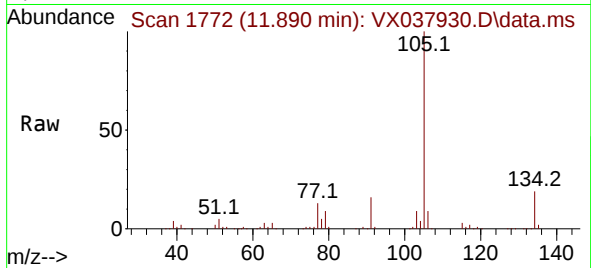
#81  
 sec-Butylbenzene  
 Concen: 4.797 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.000 min  
 Lab File: VX037930.D  
 Acq: 27 Sep 2023 18:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

Tgt Ion:105 Resp: 7298  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 0.0 41.2

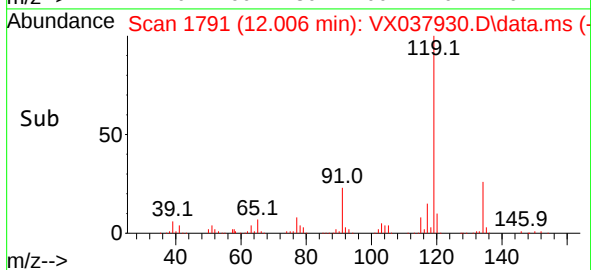
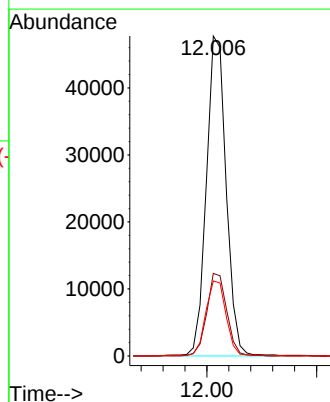
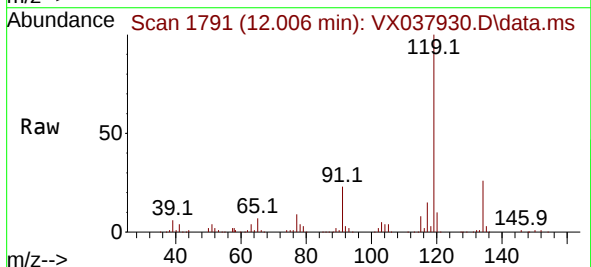
Manual Integrations  
 APPROVED

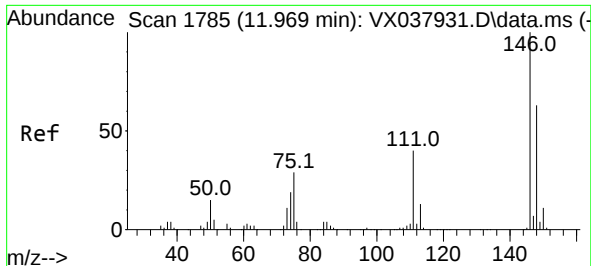
Reviewed By :John Carlone 09/28/2023  
 Supervised By :Semsettin Yesilyurt 09/28/2023



#82  
 p-Isopropyltoluene  
 Concen: 4.679 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. -0.000 min  
 Lab File: VX037930.D  
 Acq: 27 Sep 2023 18:04

Tgt Ion:119 Resp: 59771  
 Ion Ratio Lower Upper  
 119 100  
 134 26.1 0.0 53.2  
 91 23.4 0.0 49.4





#83

1,3-Dichlorobenzene

Concen: 4.865 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 33238

Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.2

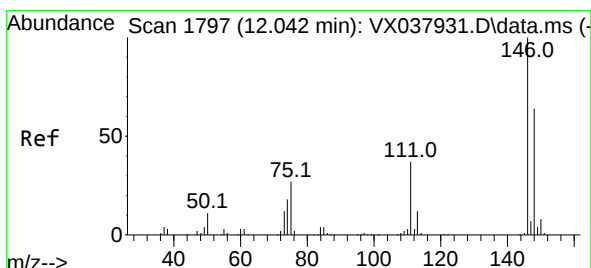
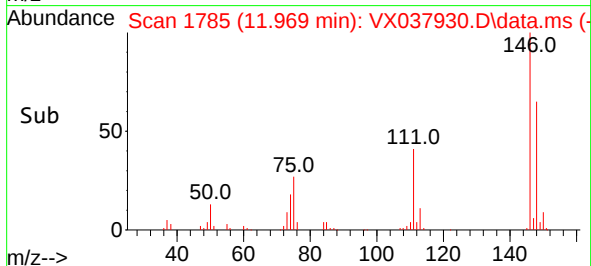
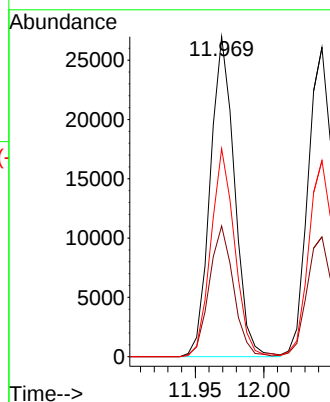
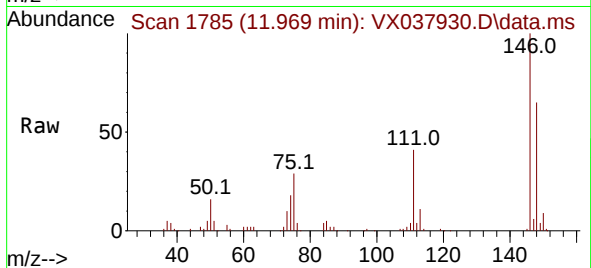
148 63.7 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#84

1,4-Dichlorobenzene

Concen: 4.874 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX037930.D

Acq: 27 Sep 2023 18:04

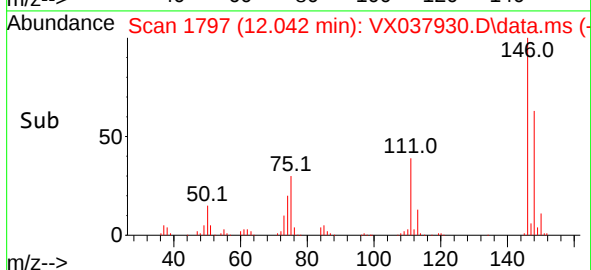
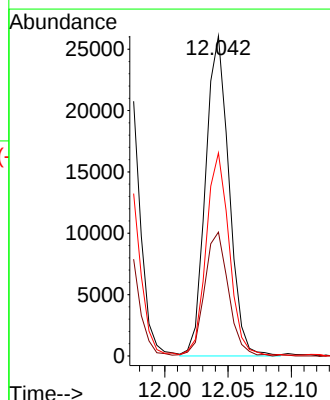
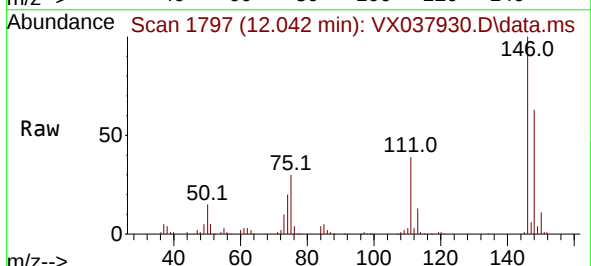
Tgt Ion:146 Resp: 33745

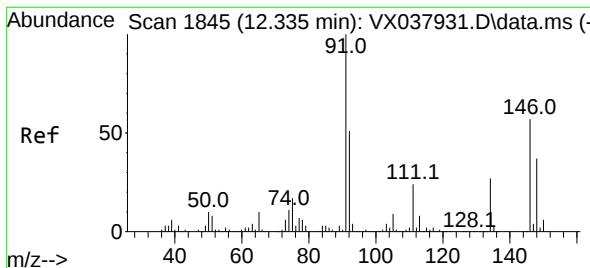
Ion Ratio Lower Upper

146 100

111 39.4 20.2 60.6

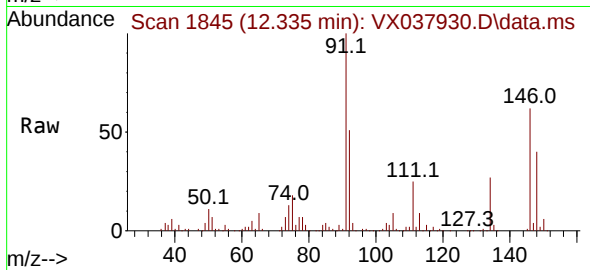
148 62.4 32.1 96.3





#85  
n-Butylbenzene  
Concen: 4.609 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

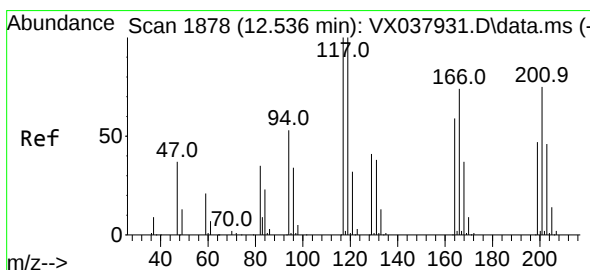
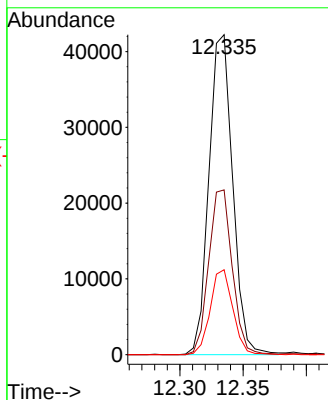
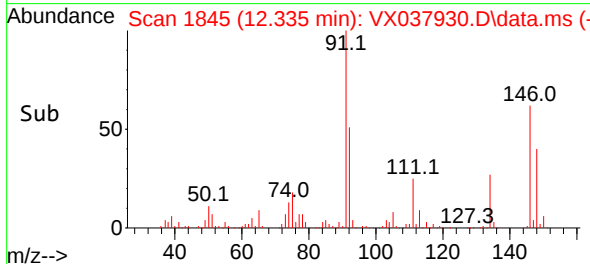
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005



Tgt Ion: 91 Resp: 5508  
Ion Ratio Lower Upper  
91 100  
92 51.1 0.0 105.2  
134 25.3 0.0 51.4

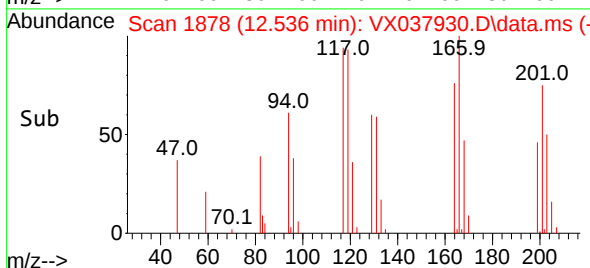
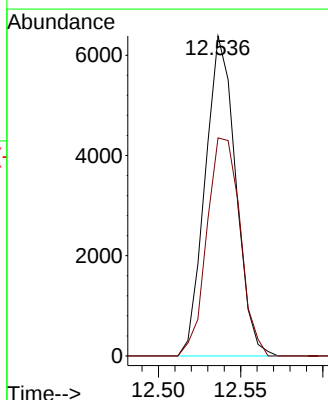
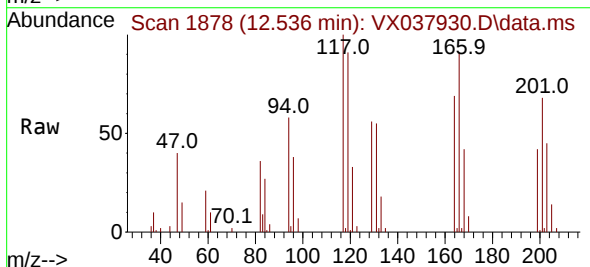
Manual Integrations  
APPROVED

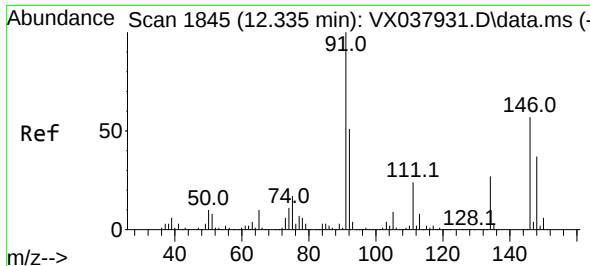
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#86  
Hexachloroethane  
Concen: 3.957 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

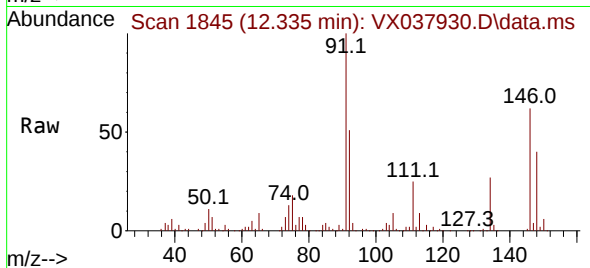
Tgt Ion:117 Resp: 8236  
Ion Ratio Lower Upper  
117 100  
201 74.3 36.0 108.0





#87  
 1,2-Dichlorobenzene  
 Concen: 4.989 ug/l  
 RT: 12.335 min Scan# 1845  
 Delta R.T. -0.000 min  
 Lab File: VX037930.D  
 Acq: 27 Sep 2023 18:04

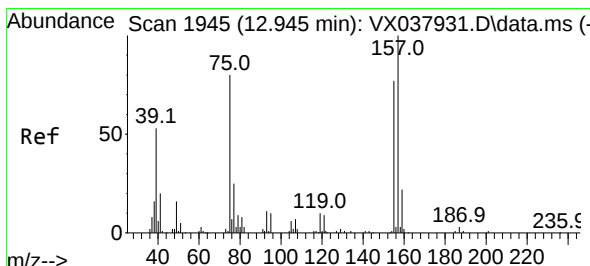
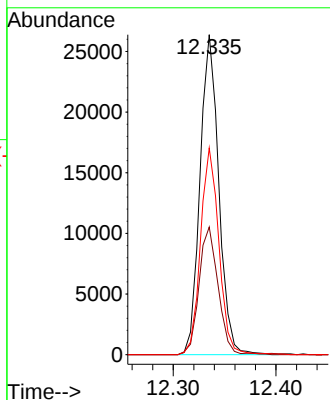
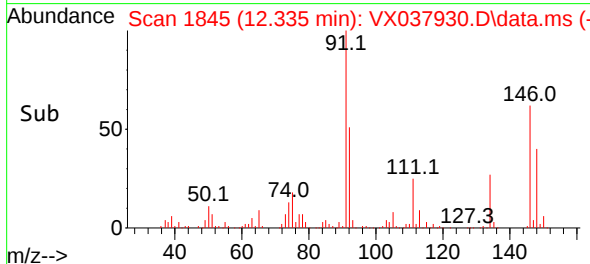
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005



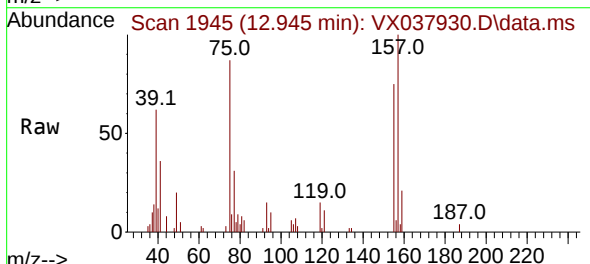
Tgt Ion:146 Resp: 33584  
 Ion Ratio Lower Upper  
 146 100  
 111 40.2 21.4 64.3  
 148 63.0 33.2 99.6

Manual Integrations  
 APPROVED

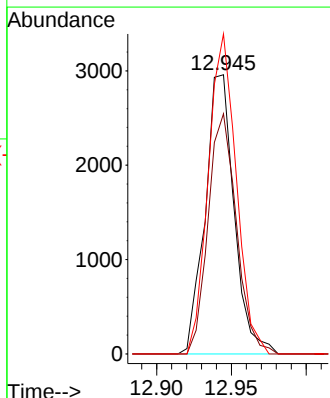
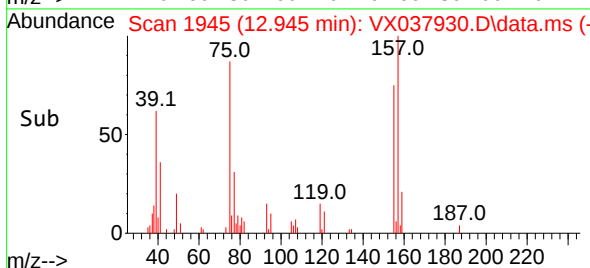
Reviewed By :John Carlone 09/28/2023  
 Supervised By :Semsettin Yesilyurt 09/28/2023

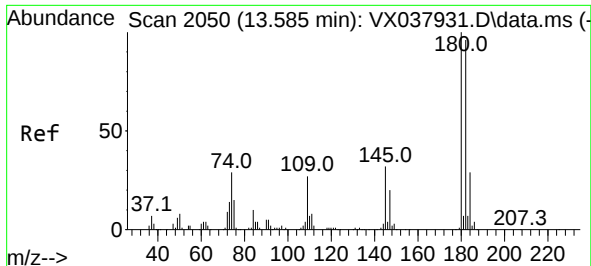


#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 4.380 ug/l  
 RT: 12.945 min Scan# 1945  
 Delta R.T. -0.000 min  
 Lab File: VX037930.D  
 Acq: 27 Sep 2023 18:04



Tgt Ion: 75 Resp: 4008  
 Ion Ratio Lower Upper  
 75 100  
 155 83.6 62.7 94.1  
 157 109.9 81.5 122.3





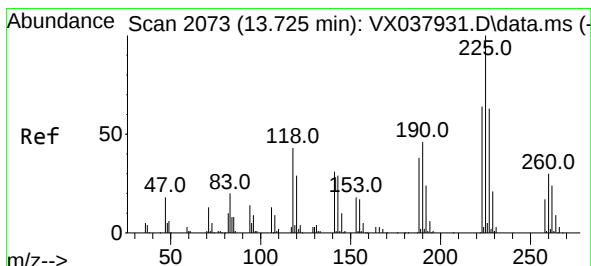
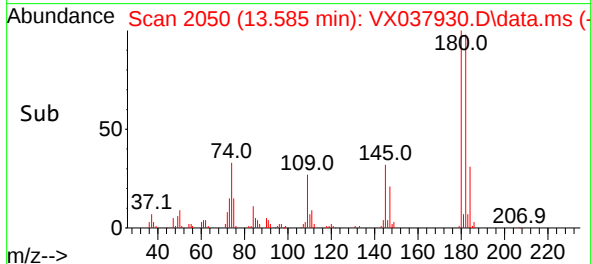
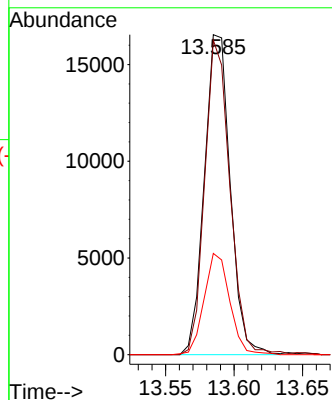
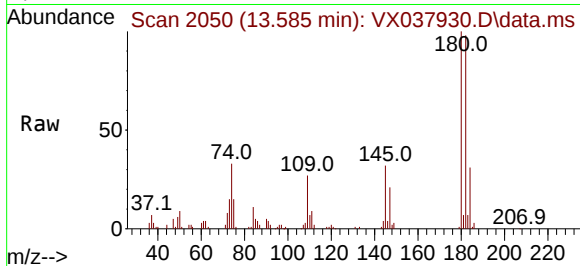
#89  
1,2,4-Trichlorobenzene  
Concen: 4.754 ug/l  
RT: 13.585 min Scan# 2050  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion:180 Resp: 2177  
Ion Ratio Lower Upper  
180 100  
182 95.2 75.6 113.4  
145 31.3 25.4 38.2

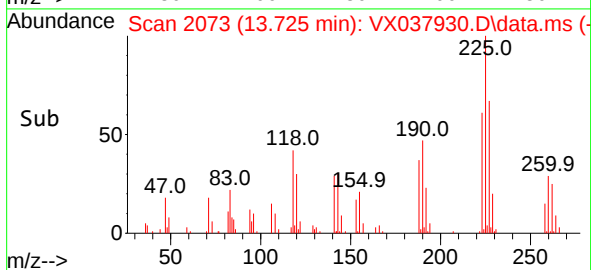
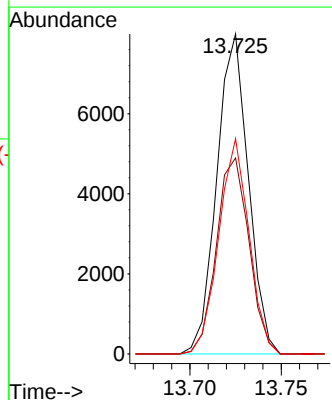
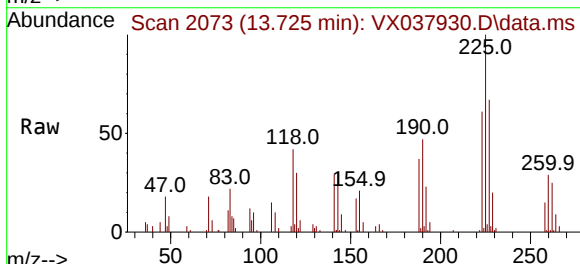
Manual Integrations  
APPROVED

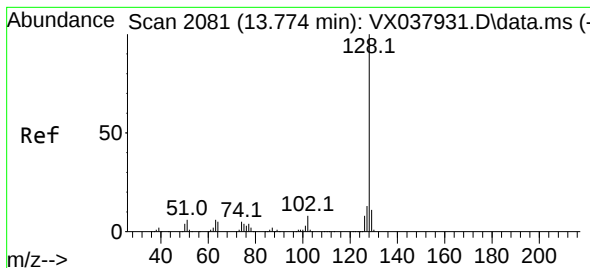
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#90  
Hexachlorobutadiene  
Concen: 4.778 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

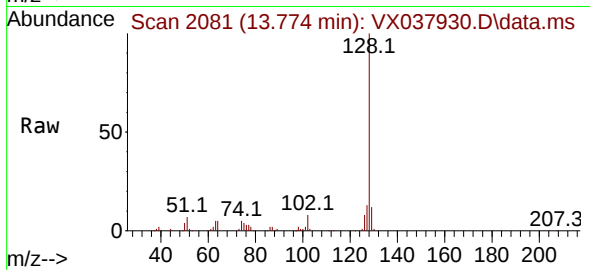
Tgt Ion:225 Resp: 9612  
Ion Ratio Lower Upper  
225 100  
223 63.4 0.0 124.2  
227 64.6 0.0 120.4





#91  
Naphthalene  
Concen: 4.699 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04

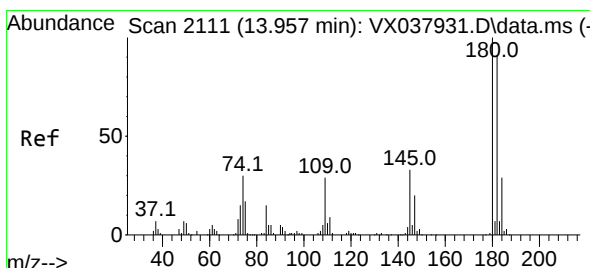
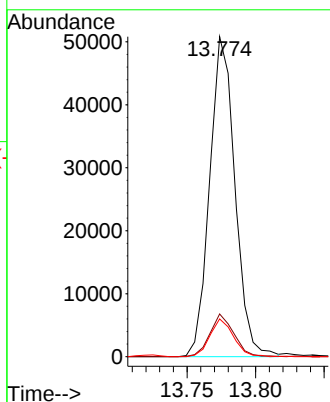
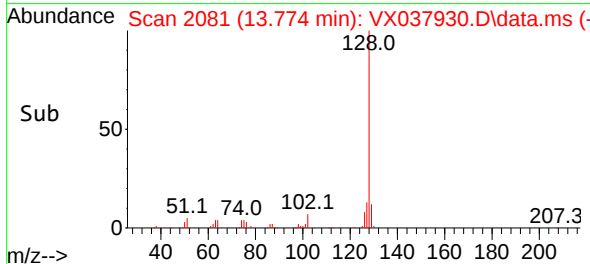
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



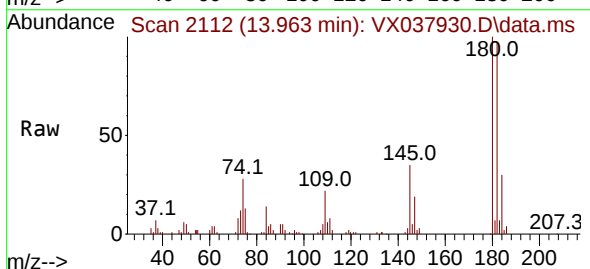
Tgt Ion:128 Resp: 6526  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.3 15.5  
129 11.0 8.7 13.1

Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#92  
1,2,3-Trichlorobenzene  
Concen: 4.652 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.006 min  
Lab File: VX037930.D  
Acq: 27 Sep 2023 18:04



Tgt Ion:180 Resp: 20741  
Ion Ratio Lower Upper  
180 100  
182 94.7 0.0 190.6  
145 34.8 0.0 66.8

