

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112423\  
 Data File : VX039017.D  
 Acq On : 24 Nov 2023 10:53  
 Operator : JC/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/27/2023  
 Supervised By : Mahesh Dadoda 11/27/2023

Quant Time: Nov 27 03:08:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X112423W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Nov 27 03:05:03 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 4.897          | 128  | 11373      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.763          | 114  | 86778      | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055         | 117  | 107911     | 30.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.952          | 65   | 44253      | 28.442   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 94.800%  |        |          |
| 60) 4-Bromofluorobenzene     | 11.079         | 95   | 71921      | 30.514   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 101.700% |        |          |
| 63) Toluene-d8               | 8.647          | 98   | 127866     | 29.970   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 99.900%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 227270     | 133.511  | ug/l   | 99       |
| 3) Chloromethane             | 1.294          | 50   | 252248     | 129.417  | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.374          | 62   | 256787     | 130.500  | ug/l   | 100      |
| 5) Bromomethane              | 1.599          | 94   | 137356     | 114.128  | ug/l   | 99       |
| 6) Chloroethane              | 1.672          | 64   | 150770     | 127.488  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 355027     | 130.726  | ug/l   | 95       |
| 8) Diethyl Ether             | 2.130          | 74   | 137507     | 131.902  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 204225     | 133.073  | ug/l   | 97       |
| 10) 1,1-Dichloroethene       | 2.312          | 96   | 208040     | 134.481  | ug/l   | 95       |
| 11) Methyl Iodide            | 2.447          | 142  | 242379     | 142.981  | ug/l   | 98       |
| 12) Methyl Acetate           | 2.703          | 43   | 624507     | 129.436  | ug/l   | 98       |
| 13) Acrolein                 | 2.233          | 56   | 266371     | 630.208  | ug/l   | 100      |
| 14) Acrylonitrile            | 3.062          | 53   | 773503     | 655.475  | ug/l   | 98       |
| 15) Acetone                  | 2.380          | 58   | 238515     | 556.048  | ug/l   | 98       |
| 16) Carbon Disulfide         | 2.508          | 76   | 614670     | 131.193  | ug/l   | 97       |
| 17) Allyl chloride           | 2.660          | 41   | 404330     | 131.661  | ug/l   | 95       |
| 18) Methylene Chloride       | 2.788          | 84   | 241977     | 131.958  | ug/l   | 98       |
| 19) trans-1,2-Dichloroethene | 3.087          | 96   | 233558     | 133.490  | ug/l   | 96       |
| 20) Diisopropyl ether        | 3.763          | 45   | 774553     | 132.534  | ug/l # | 85       |
| 21) 1,1-Dichloroethane       | 3.605          | 63   | 426155     | 131.151  | ug/l   | 100      |
| 22) cis-1,2-Dichloroethene   | 4.483          | 96   | 267539     | 131.944  | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 2.983          | 59   | 405545     | 620.764  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 3.111          | 73   | 750126     | 131.631  | ug/l   | 99       |
| 25) Chloroform               | 5.092          | 83   | 434416     | 133.205  | ug/l   | 97       |
| 26) Cyclohexane              | 5.470          | 56   | 389444     | 132.422  | ug/l # | 100      |
| 29) 1,1-Dichloropropene      | 5.690          | 75   | 328654     | 135.103  | ug/l   | 99       |
| 30) 2-Butanone               | 4.556          | 43   | 1167817    | 637.619  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 4.471          | 77   | 376862     | 135.495  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 388232     | 138.078  | ug/l   | 97       |
| 33) Carbon Tetrachloride     | 5.678          | 117  | 332869     | 140.548  | ug/l   | 98       |
| 34) Benzene                  | 6.037          | 78   | 960782     | 135.581  | ug/l   | 98       |
| 35) Methacrylonitrile        | 4.922          | 41   | 225838     | 139.204  | ug/l   | 97       |
| 36) 1,2-Dichloroethane       | 6.086          | 62   | 347465     | 133.632  | ug/l   | 100      |
| 37) Trichloroethene          | 7.123          | 130  | 244097     | 135.717  | ug/l   | 98       |
| 38) Methylcyclohexane        | 7.379          | 83   | 416339     | 137.358  | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 7.427          | 63   | 254366     | 136.104  | ug/l   | 98       |
| 40) Dibromomethane           | 7.580          | 93   | 179364     | 135.833  | ug/l   | 98       |
| 41) Bromodichloromethane     | 7.818          | 83   | 350908     | 138.326  | ug/l   | 99       |
| 42) Vinyl Acetate            | 3.721          | 43   | 2965135    | 679.714  | ug/l   | 98       |

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 Operator : JC/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Quant Time: Nov 27 03:08:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X112423W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Nov 27 03:05:03 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 11/27/2023  
 Supervised By : Mahesh Dadoda 11/27/2023

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 43) Ethyl Acetate             | 4.715  | 43   | 424601   | 134.751  | ug/l  | 100      |
| 44) Isopropyl Acetate         | 6.336  | 43   | 684880   | 137.879  | ug/l  | 100      |
| 45) 1,4-Dioxane               | 7.659  | 88   | 140951   | 2779.631 | ug/l  | 98       |
| 46) Methyl methacrylate       | 7.690  | 41   | 387417   | 136.414  | ug/l  | 97       |
| 47) n-amyl Acetate            | 10.841 | 43   | 609332   | 144.932  | ug/l  | 99       |
| 48) t-1,3-Dichloropropene     | 8.976  | 75   | 409190   | 139.110  | ug/l  | 96       |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 421674   | 138.963  | ug/l  | 99       |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 248108   | 138.316  | ug/l  | 98       |
| 51) Ethyl methacrylate        | 9.116  | 69   | 321258   | 143.073  | ug/l  | 95       |
| 52) 1,3-Dichloropropane       | 9.305  | 76   | 412613   | 134.148  | ug/l  | 100      |
| 53) Dibromochloromethane      | 9.518  | 129  | 269580   | 139.937  | ug/l  | 98       |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 271071   | 137.801  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether | 8.244  | 63   | 1003469  | 705.451  | ug/l  | 100      |
| 56) Bromoform                 | 10.799 | 173  | 203419   | 146.306  | ug/l  | 98       |
| 58) 4-Methyl-2-Pentanone      | 8.574  | 43   | 2216109  | 677.217  | ug/l  | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 1802080  | 670.891  | ug/l  | 99       |
| 61) Tetrachloroethene         | 9.275  | 164  | 189413   | 135.004  | ug/l  | 98       |
| 62) Toluene                   | 8.720  | 91   | 1054826  | 137.682  | ug/l  | 100      |
| 64) Chlorobenzene             | 10.079 | 112  | 639479   | 137.221  | ug/l  | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 236114   | 140.683  | ug/l  | 99       |
| 66) Ethyl Benzene             | 10.195 | 91   | 1185980  | 135.946  | ug/l  | 99       |
| 67) m/p-Xylenes               | 10.299 | 106  | 880457   | 273.124  | ug/l  | 97       |
| 68) o-Xylene                  | 10.640 | 106  | 432721   | 138.575  | ug/l  | 98       |
| 69) Styrene                   | 10.652 | 104  | 654902   | 141.711  | ug/l  | 99       |
| 70) Isopropylbenzene          | 10.963 | 105  | 1156493  | 138.423  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 430578   | 138.053  | ug/l  | 99       |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 356851m  | 99.564   | ug/l  |          |
| 73) Bromobenzene              | 11.195 | 156  | 265758   | 139.714  | ug/l  | 98       |
| 74) n-propylbenzene           | 11.305 | 91   | 1424220  | 139.135  | ug/l  | 99       |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 828146   | 137.898  | ug/l  | 99       |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 997603   | 138.602  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 157421   | 150.531  | ug/l  | 96       |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 966719   | 136.915  | ug/l  | 100      |
| 79) tert-butylbenzene         | 11.713 | 119  | 954112   | 139.407  | ug/l  | 99       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 1007365  | 139.843  | ug/l  | 100      |
| 81) sec-Butylbenzene          | 11.890 | 105  | 1210566  | 139.916  | ug/l  | 100      |
| 82) p-Isopropyltoluene        | 12.006 | 119  | 1030819  | 140.575  | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 509847   | 140.059  | ug/l  | 98       |
| 84) 1,4-Dichlorobenzene       | 12.042 | 146  | 515536   | 138.023  | ug/l  | 100      |
| 85) n-Butylbenzene            | 12.329 | 91   | 1023543  | 141.354  | ug/l  | 100      |
| 86) Hexachloroethane          | 12.536 | 117  | 203535   | 146.491  | ug/l  | 98       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 479259   | 136.913  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 111317   | 139.554  | ug/l  | 95       |
| 89) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 325580   | 140.287  | ug/l  | 98       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 115996   | 139.976  | ug/l  | 98       |
| 91) Naphthalene               | 13.774 | 128  | 1199120  | 140.098  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 317654   | 141.307  | ug/l  | 99       |

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

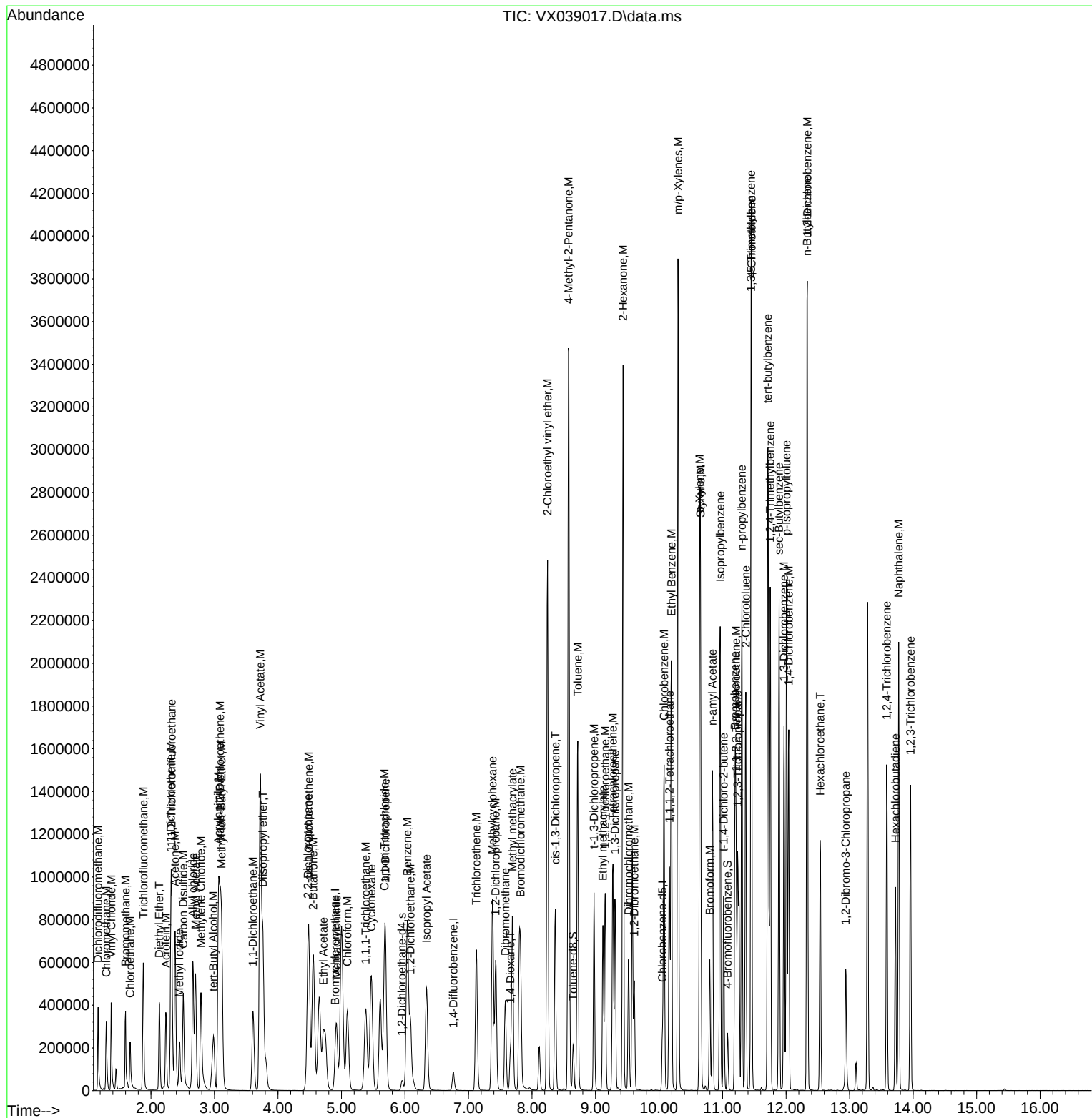
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Data File : VX039017.D  
Acq On : 24 Nov 2023 10:53  
Operator : JC/MD  
Sample : VSTDIC150  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

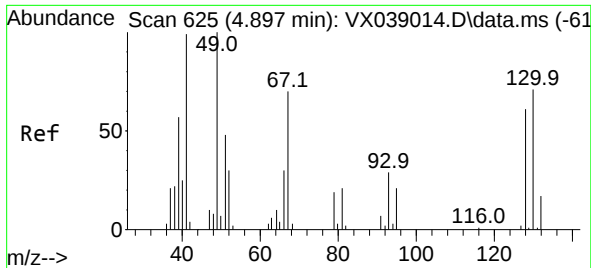
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Quant Time: Nov 27 03:08:52 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X112423W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Nov 27 03:05:03 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023





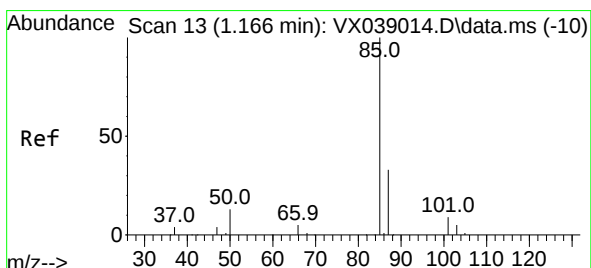
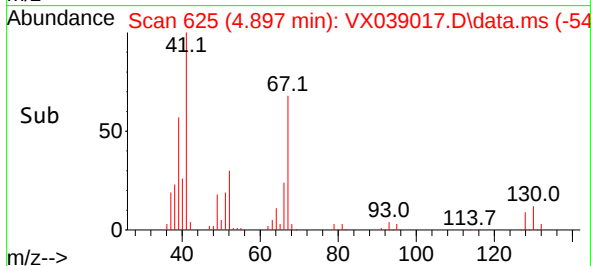
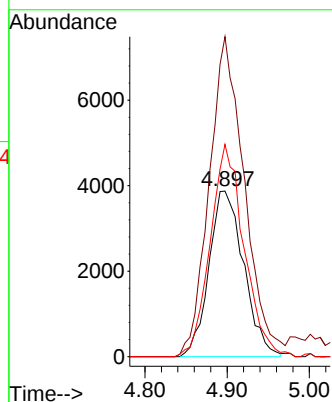
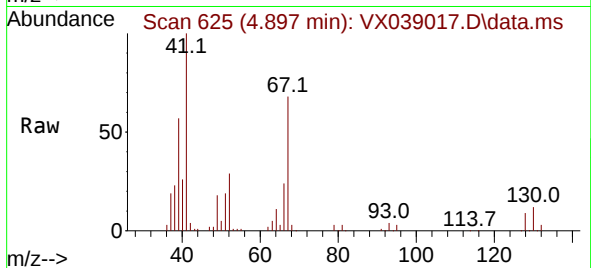
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.897 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion:128 Resp: 1137  
Ion Ratio Lower Upper  
128 100  
49 196.0 0.0 444.0  
130 124.3 0.0 297.8

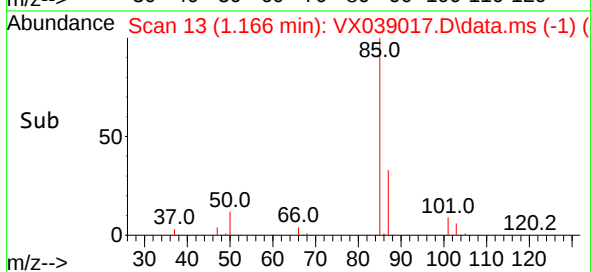
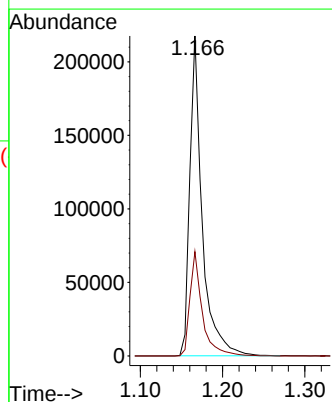
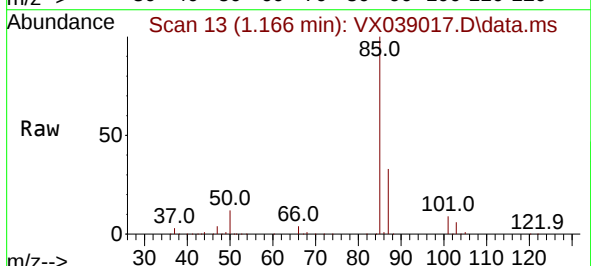
Manual Integrations  
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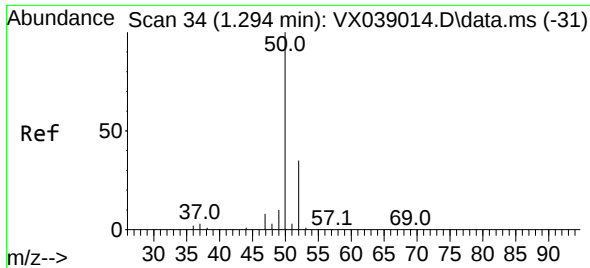
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#2  
Dichlorodifluoromethane  
Concen: 133.511 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 85 Resp: 227270  
Ion Ratio Lower Upper  
85 100  
87 32.6 16.7 50.1





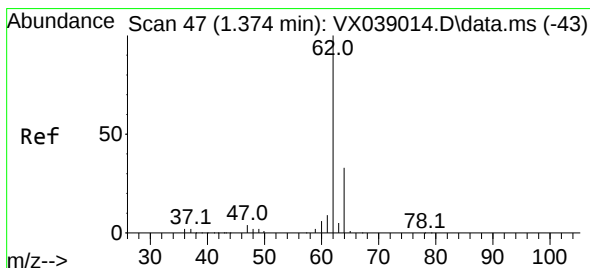
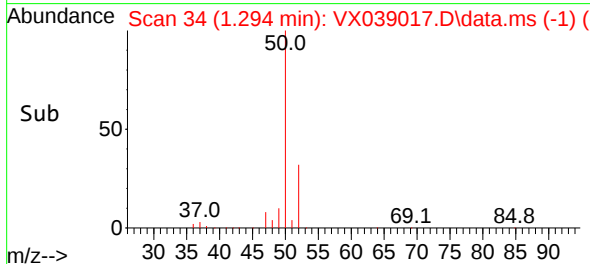
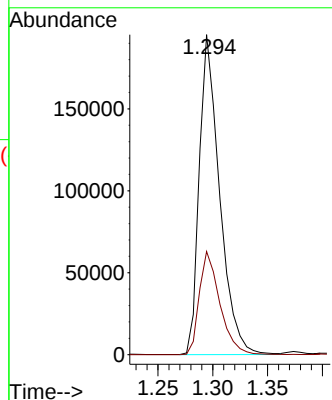
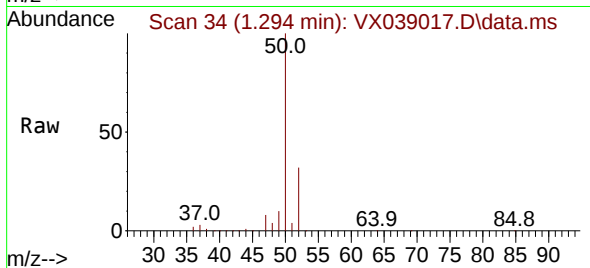
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Chloromethane  
Concen: 129.417 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion: 50 Resp: 252248  
Ion Ratio Lower Upper  
50 100  
52 32.3 27.8 41.8

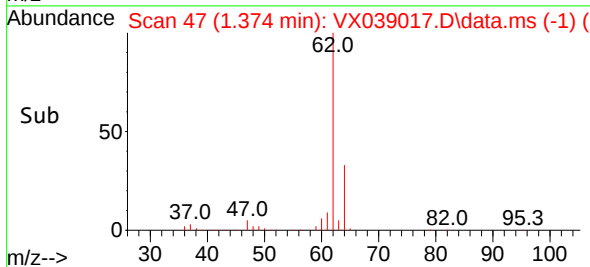
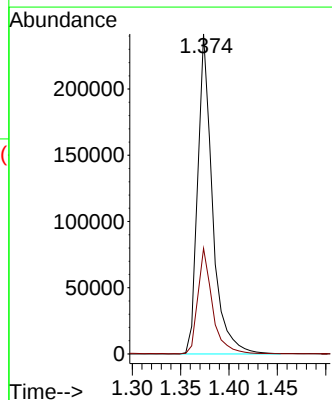
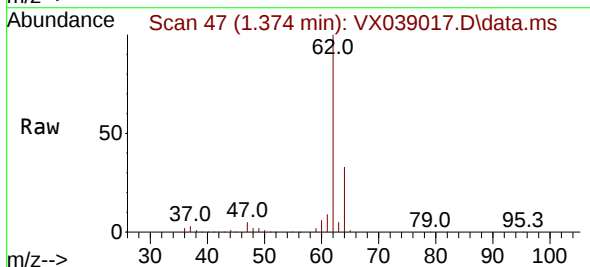
Manual Integrations  
APPROVED

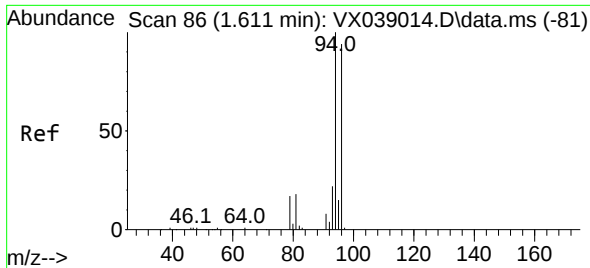
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#4  
Vinyl Chloride  
Concen: 130.500 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 62 Resp: 256787  
Ion Ratio Lower Upper  
62 100  
64 33.0 26.3 39.5





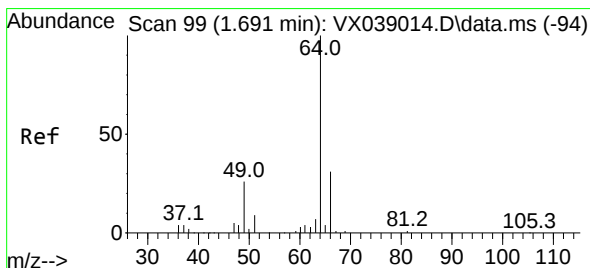
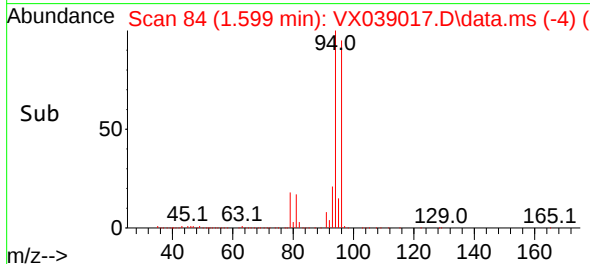
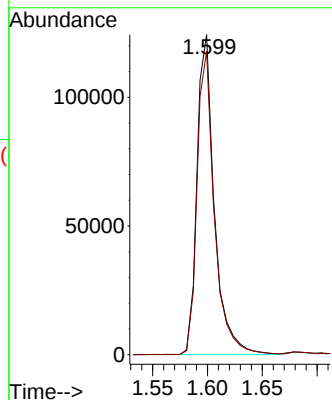
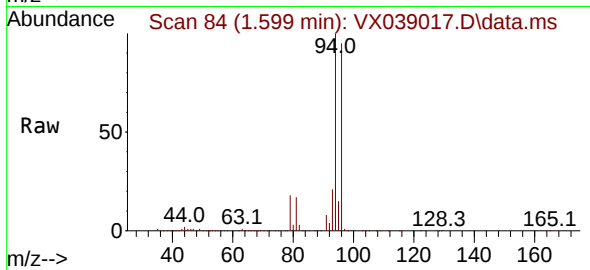
#5  
Bromomethane  
Concen: 114.128 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. -0.012 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion: 94 Resp: 137350  
Ion Ratio Lower Upper  
94 100  
96 94.8 74.9 112.3

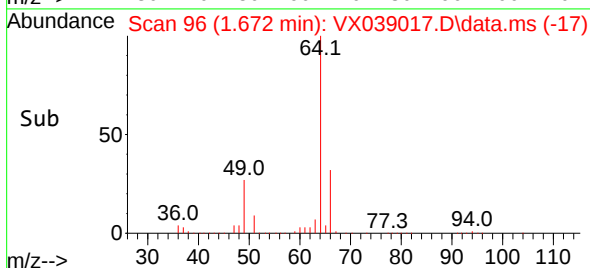
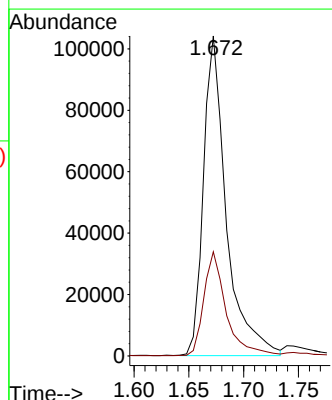
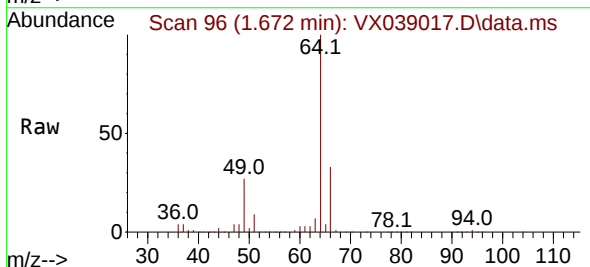
Manual Integrations  
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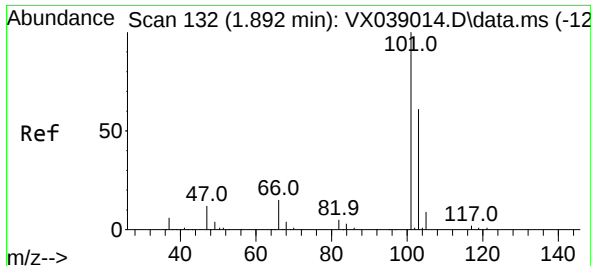
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#6  
Chloroethane  
Concen: 127.488 ug/l  
RT: 1.672 min Scan# 96  
Delta R.T. -0.018 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 64 Resp: 150770  
Ion Ratio Lower Upper  
64 100  
66 32.5 25.0 37.6





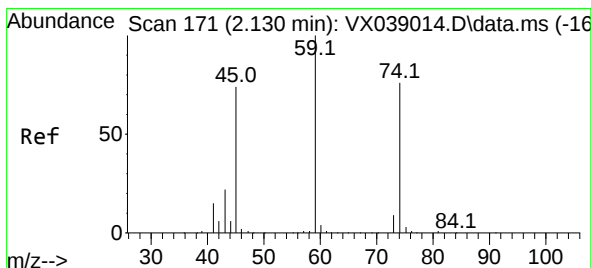
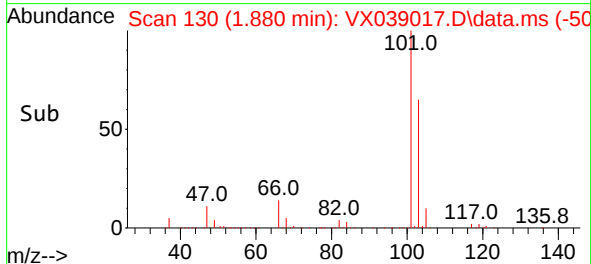
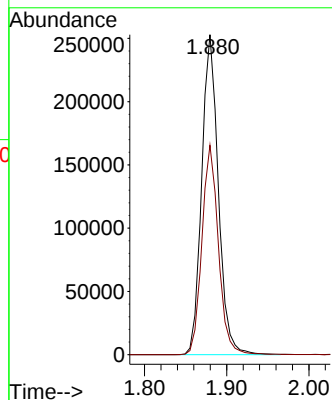
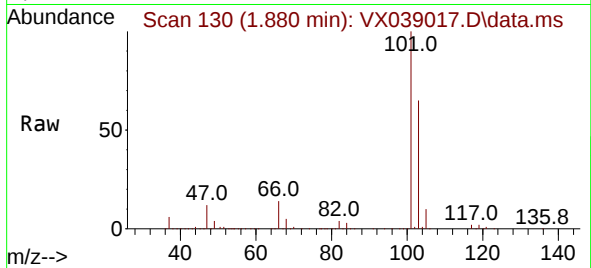
#7  
 Trichlorofluoromethane  
 Concen: 130.726 ug/l  
 RT: 1.880 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: VX039017.D  
 Acq: 24 Nov 2023 10:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

Tgt Ion:101 Resp: 35502  
 Ion Ratio Lower Upper  
 101 100  
 103 65.4 49.1 73.7

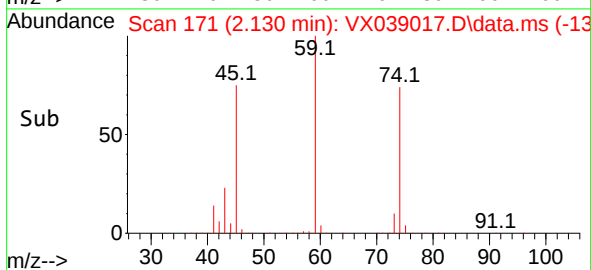
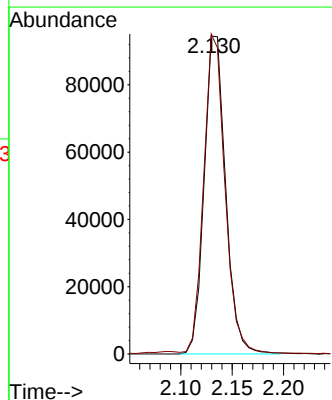
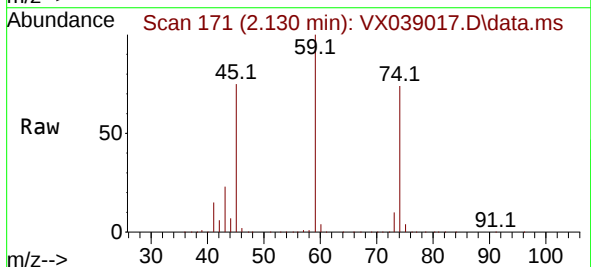
Manual Integrations  
 APPROVED

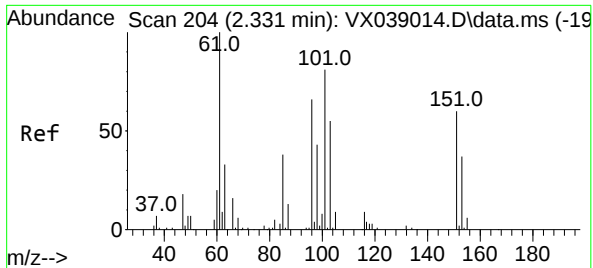
Reviewed By :John Carlone 11/27/2023  
 Supervised By :Mahesh Dadoda 11/27/2023



#8  
 Diethyl Ether  
 Concen: 131.902 ug/l  
 RT: 2.130 min Scan# 171  
 Delta R.T. -0.000 min  
 Lab File: VX039017.D  
 Acq: 24 Nov 2023 10:53

Tgt Ion: 74 Resp: 137507  
 Ion Ratio Lower Upper  
 74 100  
 45 99.3 20.5 184.5





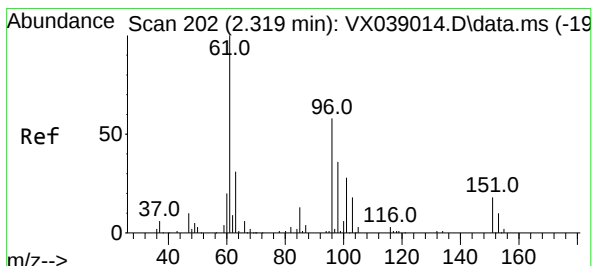
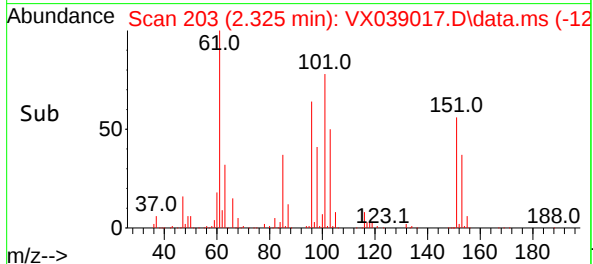
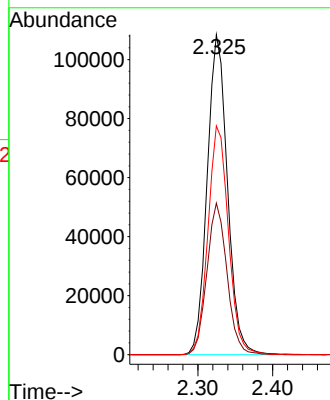
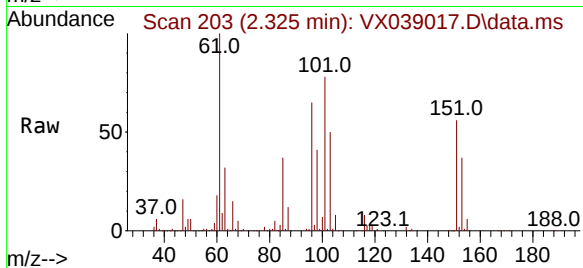
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 133.073 ug/l  
RT: 2.325 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion:101 Resp: 204225  
Ion Ratio Lower Upper  
101 100  
85 46.9 0.0 95.2  
151 72.1 0.0 136.8

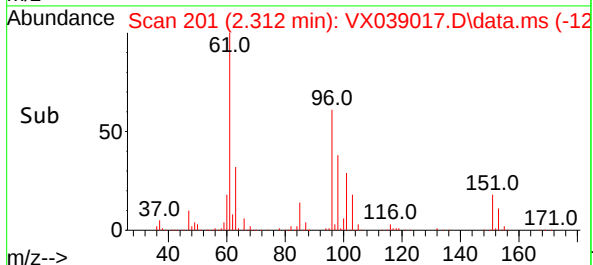
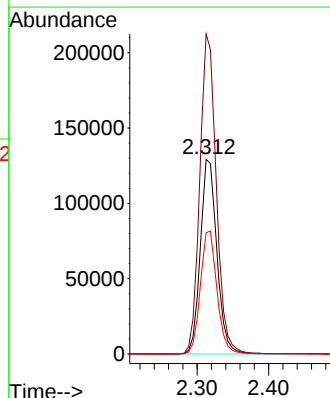
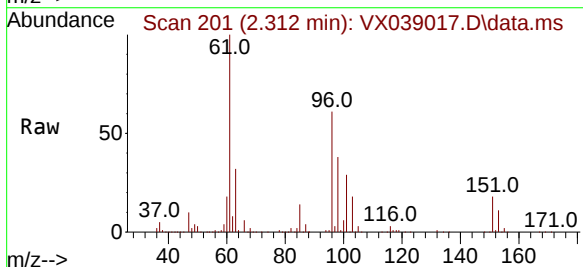
Manual Integrations  
APPROVED

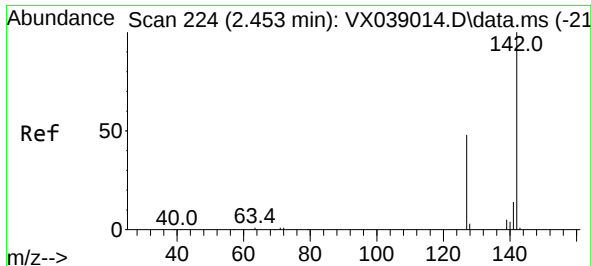
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#10  
1,1-Dichloroethene  
Concen: 134.481 ug/l  
RT: 2.312 min Scan# 201  
Delta R.T. -0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 96 Resp: 208040  
Ion Ratio Lower Upper  
96 100  
61 164.3 138.3 207.5  
98 62.3 49.8 74.6





#11

Methyl Iodide

Concen: 142.981 ug/l

RT: 2.447 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion:142 Resp: 242379

Ion Ratio Lower Upper

142 100

127 46.0 23.8 71.4

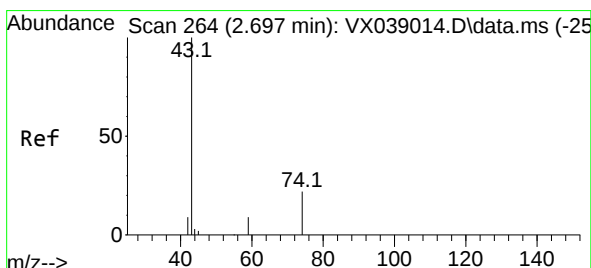
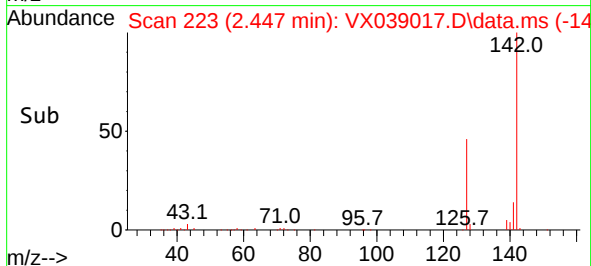
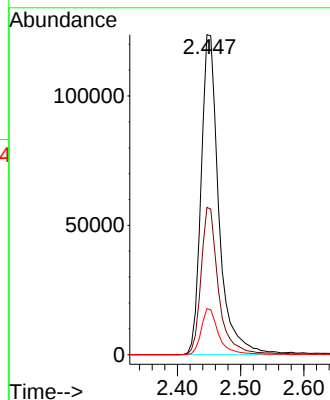
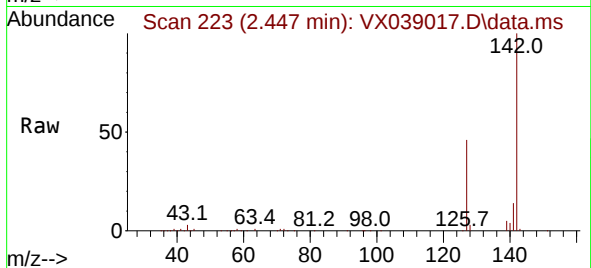
141 14.4 6.9 20.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#12

Methyl Acetate

Concen: 129.436 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX039017.D

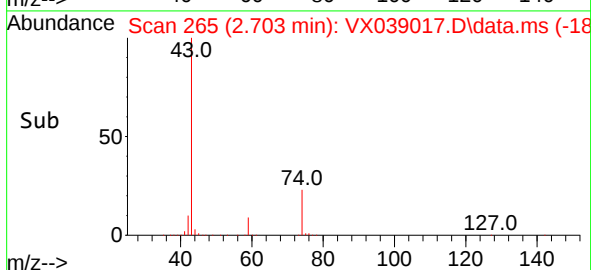
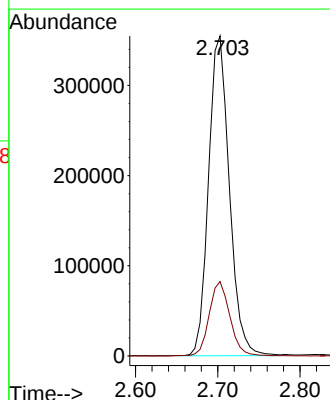
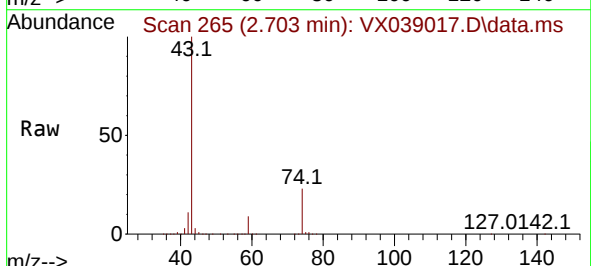
Acq: 24 Nov 2023 10:53

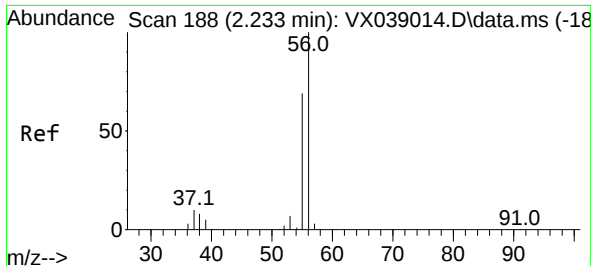
Tgt Ion: 43 Resp: 624507

Ion Ratio Lower Upper

43 100

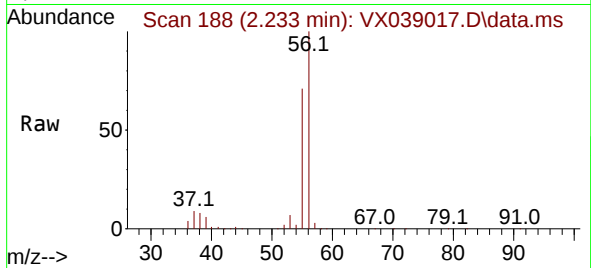
74 23.2 17.8 26.6





#13  
Acrolein  
Concen: 630.208 ug/l  
RT: 2.233 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

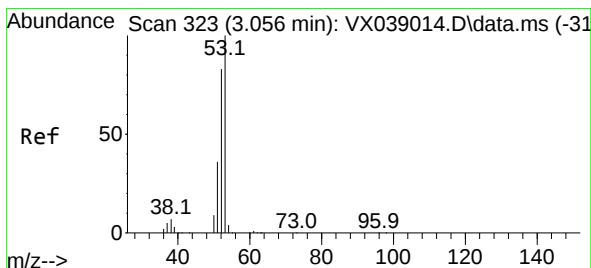
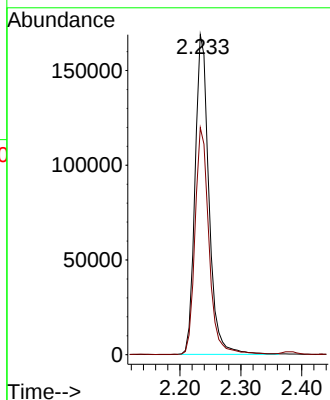
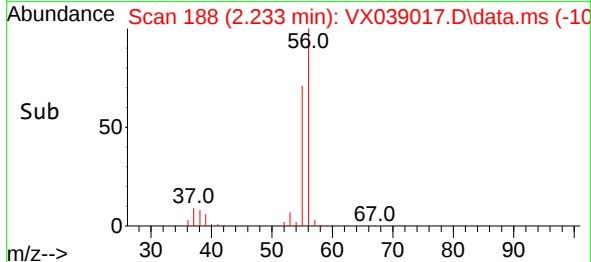
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150



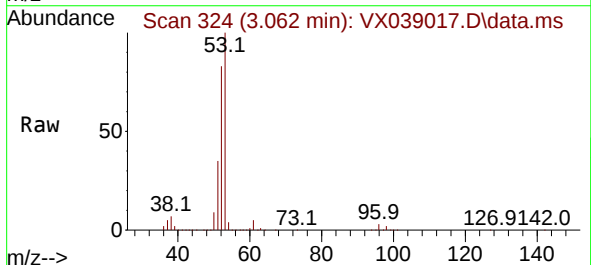
Tgt Ion: 56 Resp: 26637  
Ion Ratio Lower Upper  
56 100  
55 71.7 57.2 85.8

Manual Integrations  
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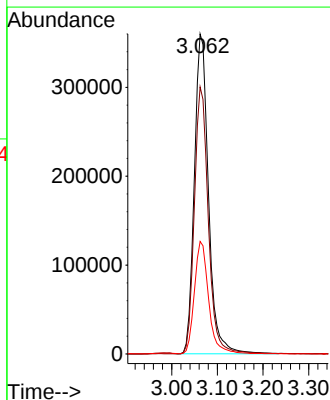
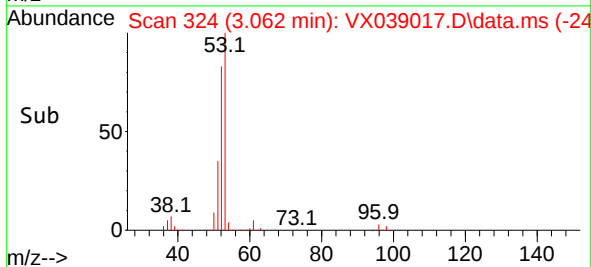
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023

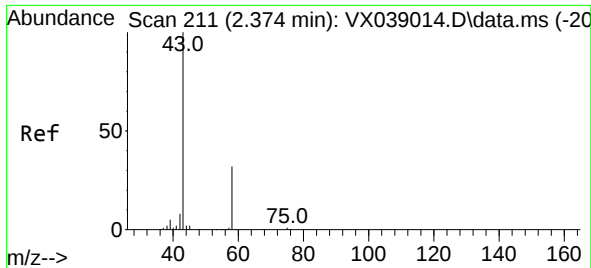


#14  
Acrylonitrile  
Concen: 655.475 ug/l  
RT: 3.062 min Scan# 324  
Delta R.T. 0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53



Tgt Ion: 53 Resp: 773503  
Ion Ratio Lower Upper  
53 100  
52 82.3 41.9 125.6  
51 35.2 18.3 54.9





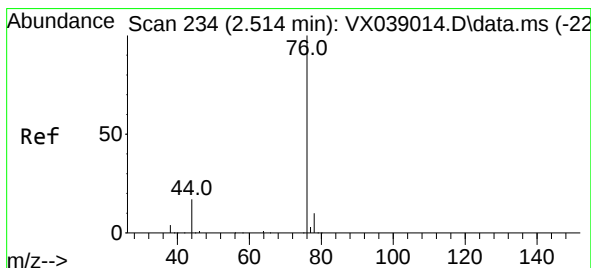
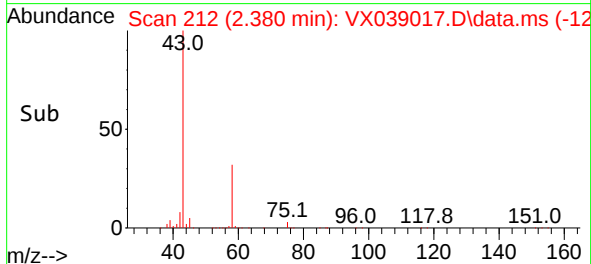
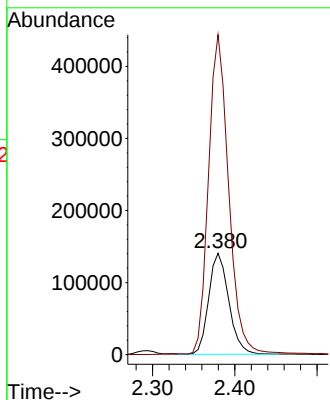
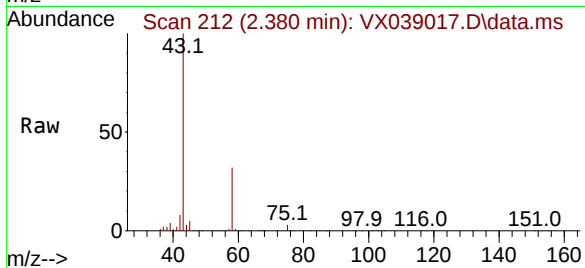
#15  
Acetone  
Concen: 556.048 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 58 Resp: 238515  
Ion Ratio Lower Upper  
58 100  
43 315.9 249.9 374.9

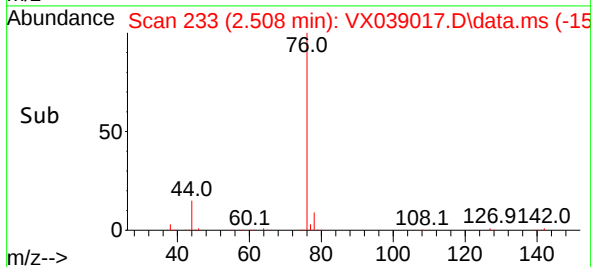
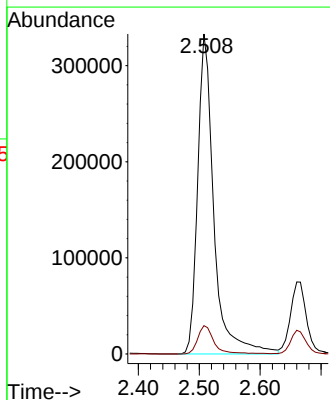
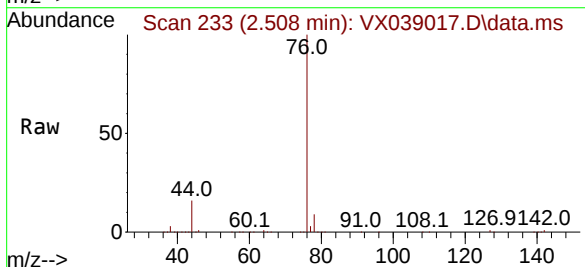
Manual Integrations  
APPROVED

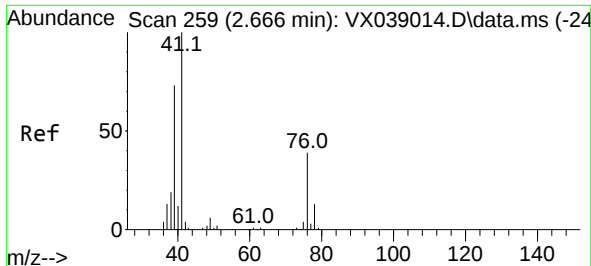
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#16  
Carbon Disulfide  
Concen: 131.193 ug/l  
RT: 2.508 min Scan# 233  
Delta R.T. -0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 76 Resp: 614670  
Ion Ratio Lower Upper  
76 100  
78 8.9 8.0 12.0





#17

Allyl chloride

Concen: 131.661 ug/l

RT: 2.660 min Scan# 259

Delta R.T. -0.006 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 41 Resp: 404330

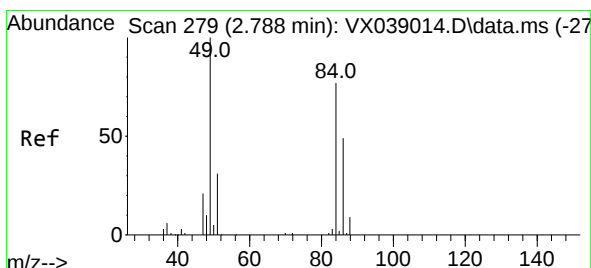
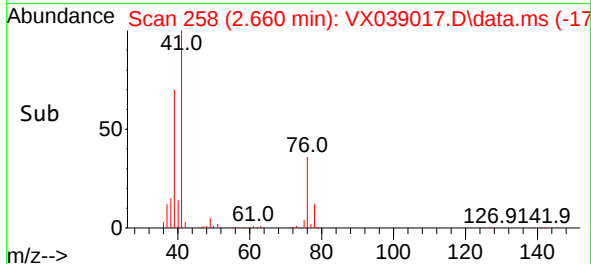
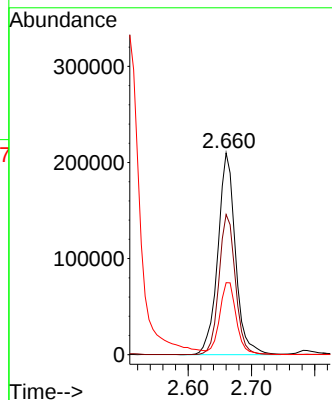
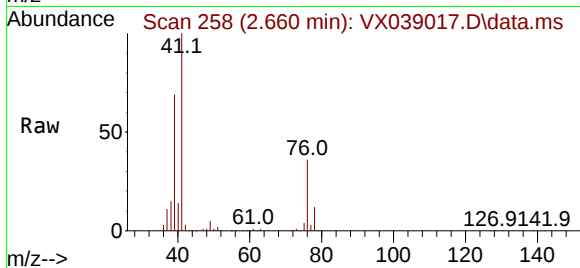
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 69.4  | 36.5  | 109.5 |
| 76  | 35.6  | 19.7  | 59.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#18

Methylene Chloride

Concen: 131.958 ug/l

RT: 2.788 min Scan# 279

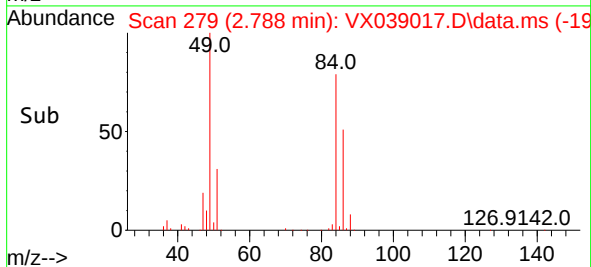
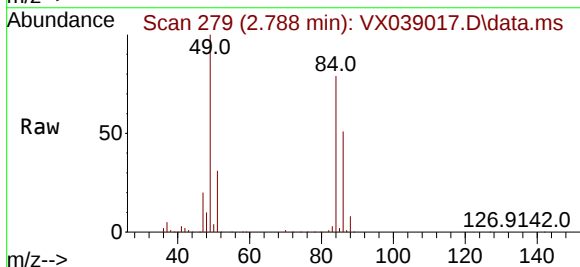
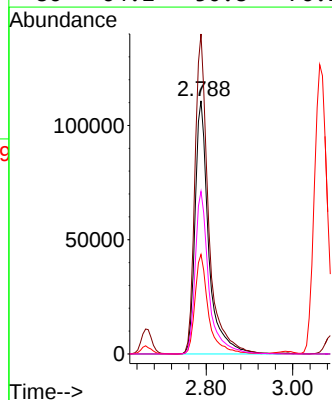
Delta R.T. -0.000 min

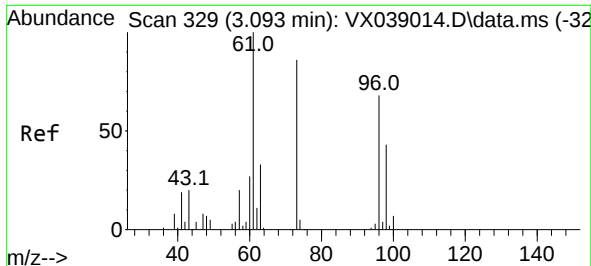
Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Tgt Ion: 84 Resp: 241977

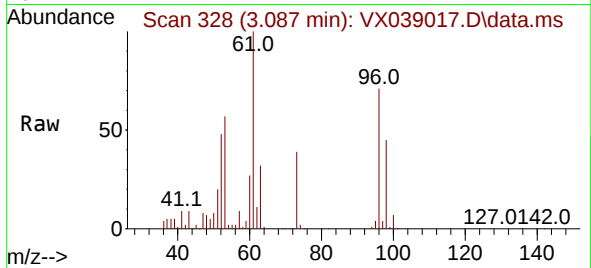
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 126.3 | 103.8 | 155.8 |
| 51  | 39.3  | 31.8  | 47.6  |
| 86  | 64.2  | 50.8  | 76.2  |





#19  
trans-1,2-Dichloroethene  
Concen: 133.490 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

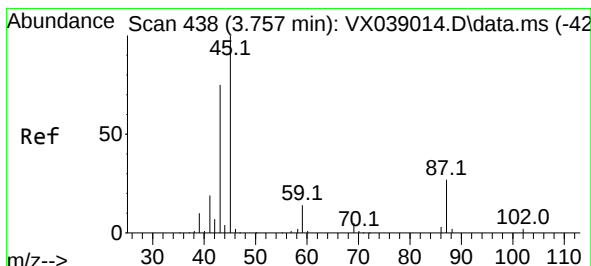
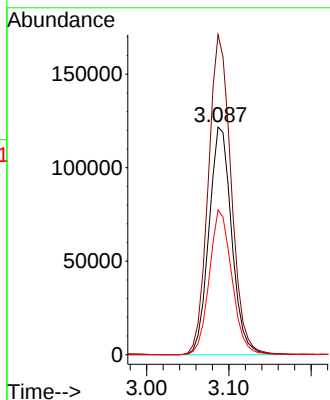
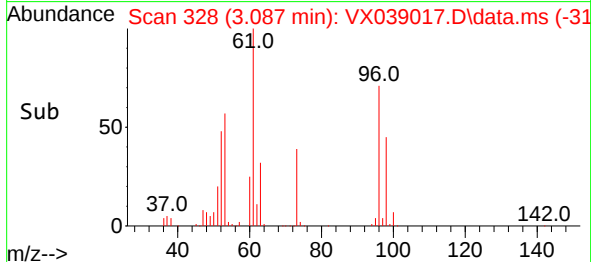
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150



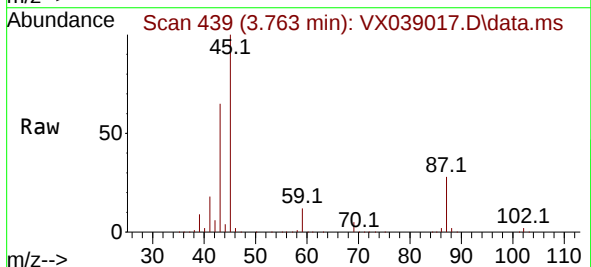
Tgt Ion: 96 Resp: 233558  
Ion Ratio Lower Upper  
96 100  
61 140.6 117.9 176.9  
98 63.6 51.0 76.6

Manual Integrations  
APPROVED

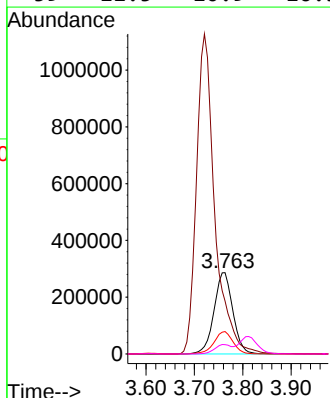
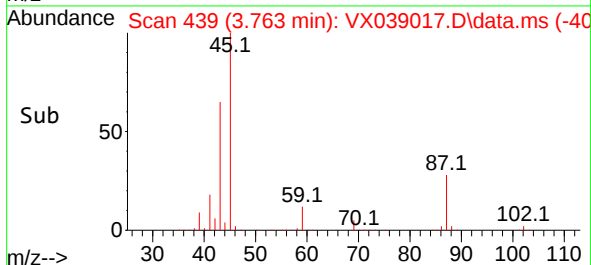
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023

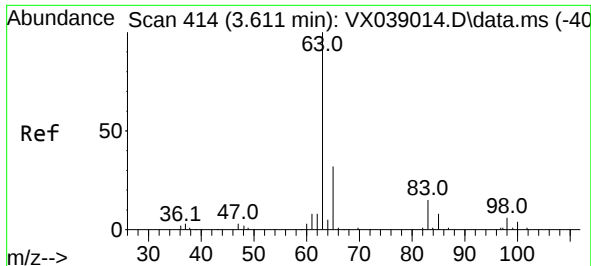


#20  
Diisopropyl ether  
Concen: 132.534 ug/l  
RT: 3.763 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53



Tgt Ion: 45 Resp: 774553  
Ion Ratio Lower Upper  
45 100  
43 65.0 67.7 101.5#  
87 27.6 21.5 32.3  
59 11.5 10.9 16.3





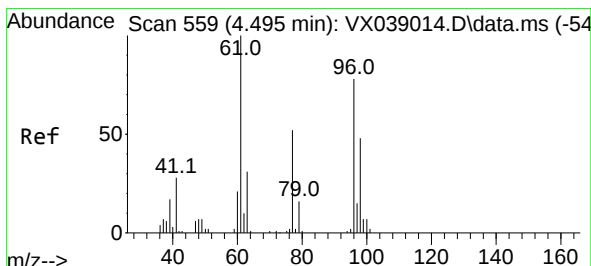
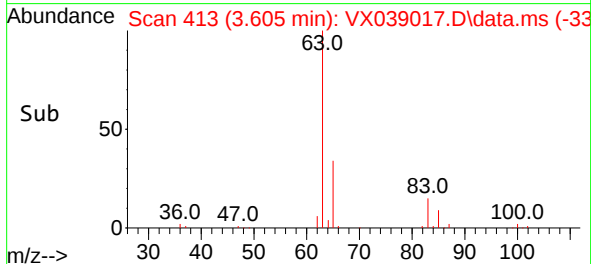
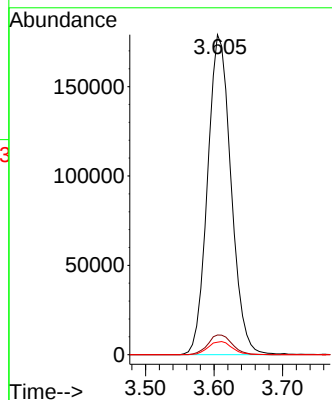
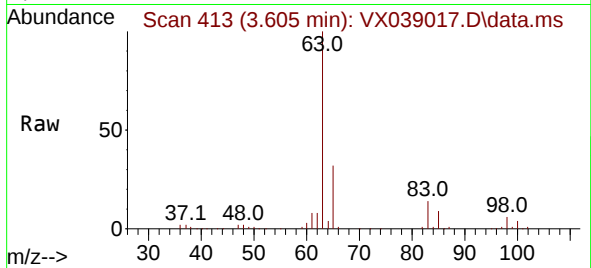
#21  
1,1-Dichloroethane  
Concen: 131.151 ug/l  
RT: 3.605 min Scan# 414  
Delta R.T. -0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 63 Resp: 42615  
Ion Ratio Lower Upper  
63 100  
98 6.2 2.9 8.8  
100 3.9 2.0 5.8

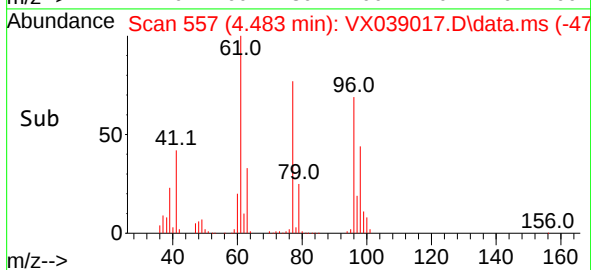
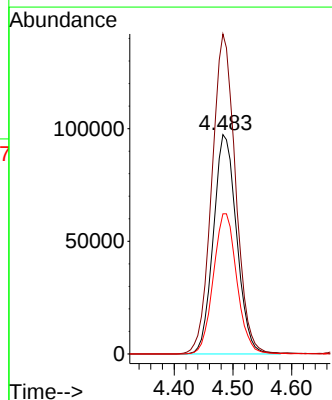
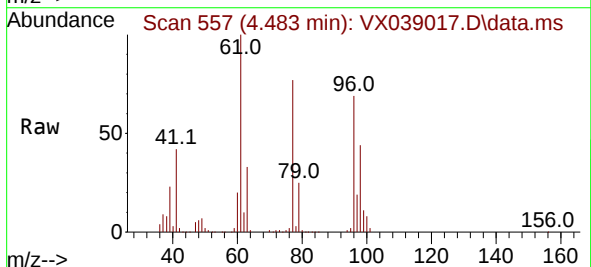
Manual Integrations  
APPROVED

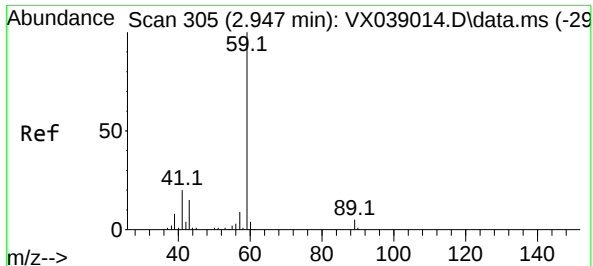
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#22  
cis-1,2-Dichloroethene  
Concen: 131.944 ug/l  
RT: 4.483 min Scan# 557  
Delta R.T. -0.012 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 96 Resp: 267539  
Ion Ratio Lower Upper  
96 100  
61 148.6 119.8 179.6  
98 64.6 50.9 76.3





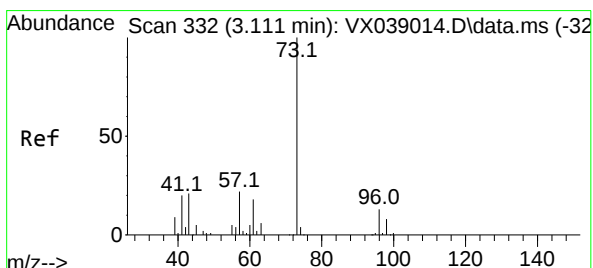
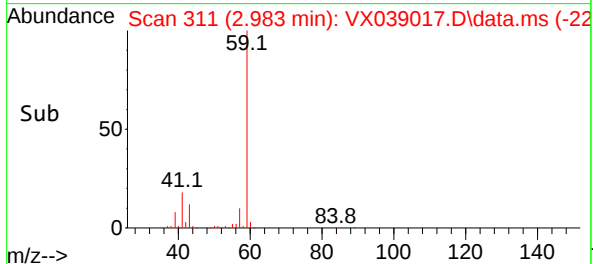
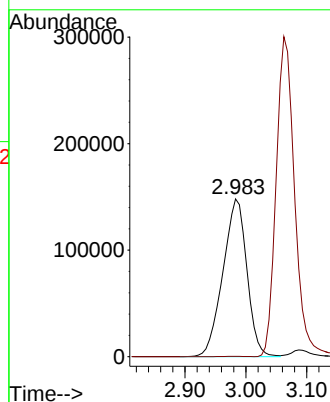
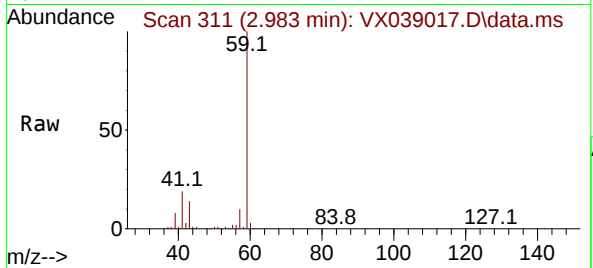
#23  
tert-Butyl Alcohol  
Concen: 620.764 ug/l  
RT: 2.983 min Scan# 311  
Delta R.T. 0.037 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion: 59 Resp: 405549  
Ion Ratio Lower Upper  
59 100  
52 0.2 0.0 0.0

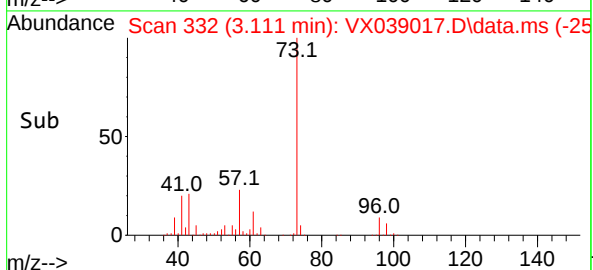
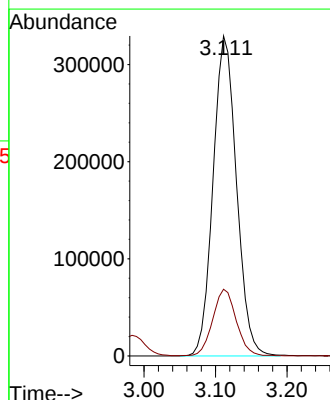
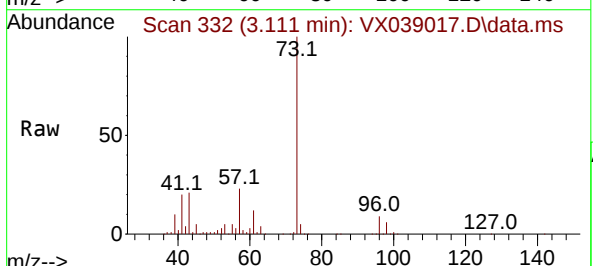
Manual Integrations  
APPROVED

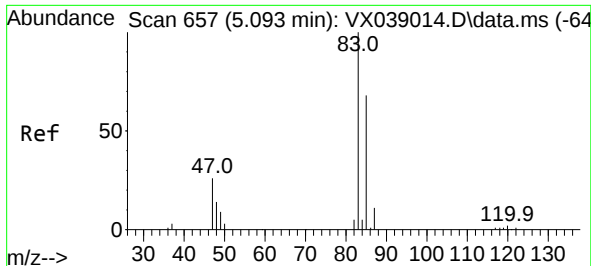
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#24  
Methyl tert-Butyl Ether  
Concen: 131.631 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 73 Resp: 750126  
Ion Ratio Lower Upper  
73 100  
43 20.7 17.0 25.6





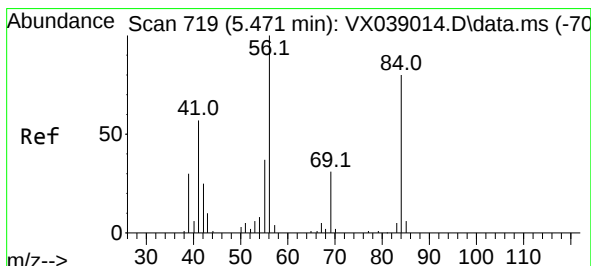
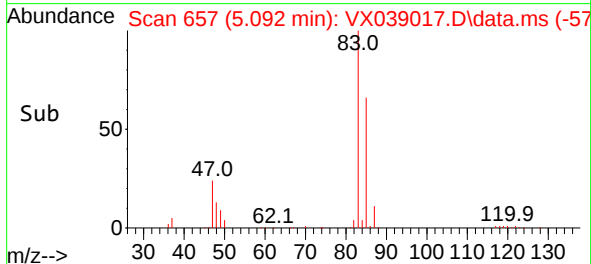
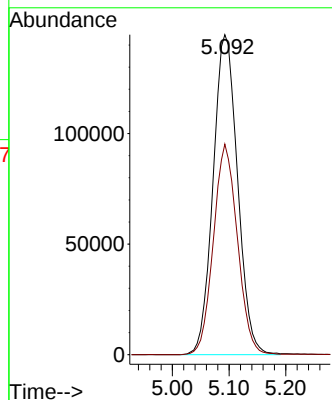
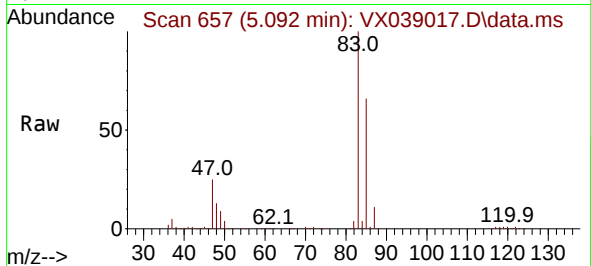
#25  
Chloroform  
Concen: 133.205 ug/l  
RT: 5.092 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 83 Resp: 434410  
Ion Ratio Lower Upper  
83 100  
85 65.8 54.6 81.8

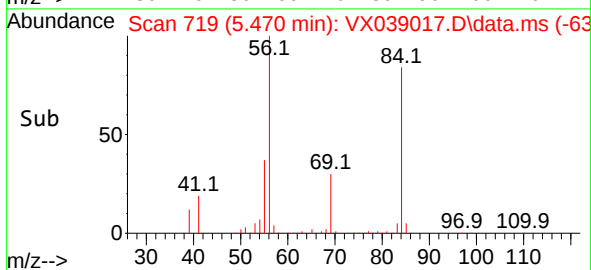
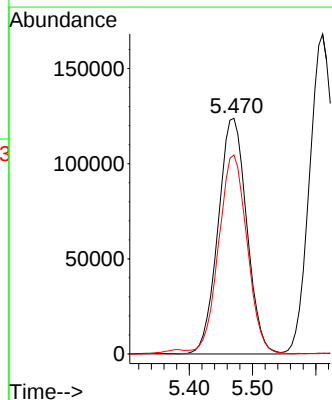
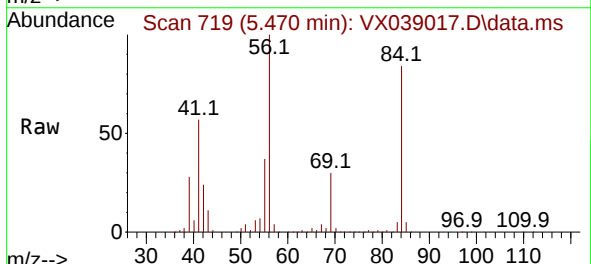
Manual Integrations  
APPROVED

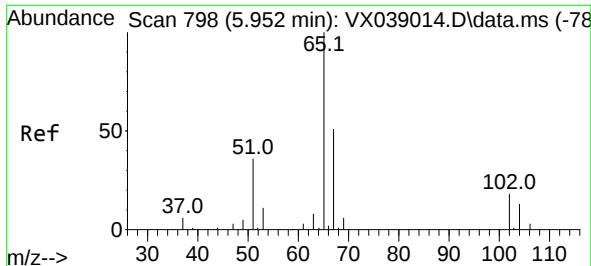
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#26  
Cyclohexane  
Concen: 132.422 ug/l  
RT: 5.470 min Scan# 719  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 56 Resp: 389444  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 83.9 67.2 100.8





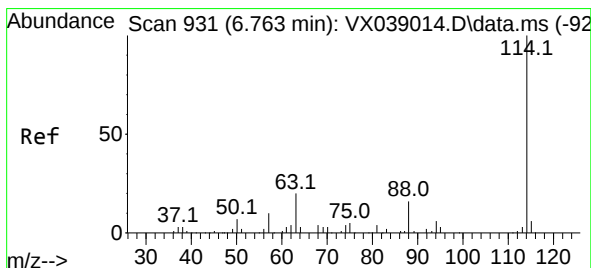
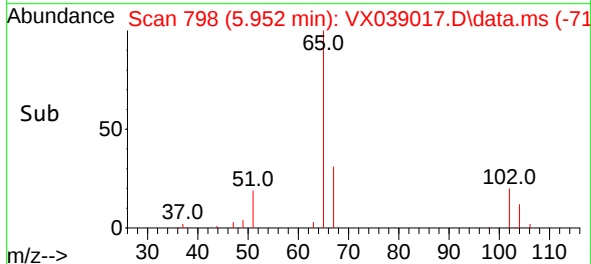
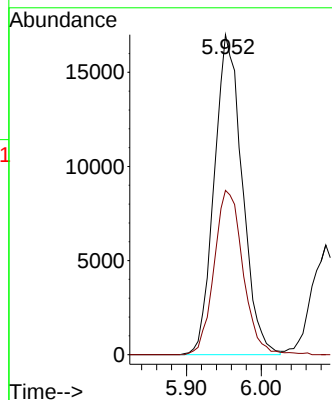
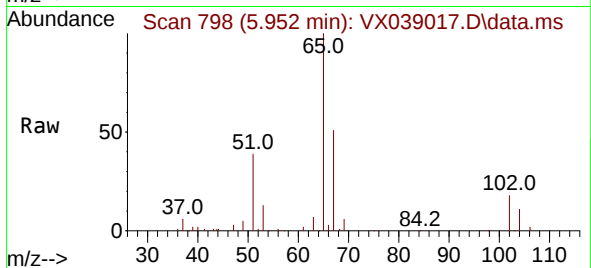
#27  
1,2-Dichloroethane-d4  
Concen: 28.442 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
Client Sample Id :  
VSTDIC150

Tgt Ion: 65 Resp: 4425  
Ion Ratio Lower Upper  
65 100  
67 52.8 42.5 63.7

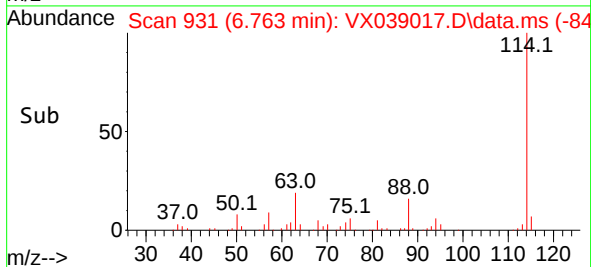
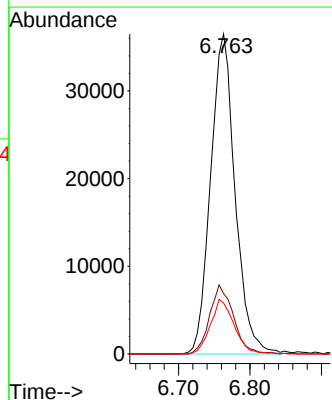
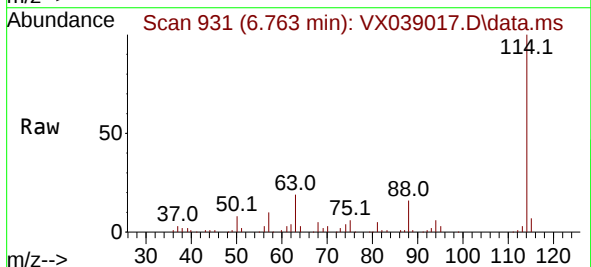
Manual Integrations  
APPROVED

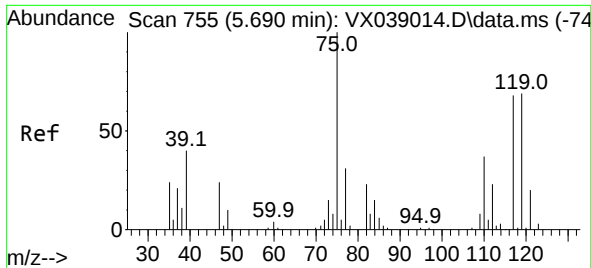
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion:114 Resp: 86778  
Ion Ratio Lower Upper  
114 100  
63 20.8 17.0 25.4  
88 16.5 12.7 19.1





#29

1,1-Dichloropropene

Concen: 135.103 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 328654

Ion Ratio Lower Upper

75 100

110 35.2 0.0 71.2

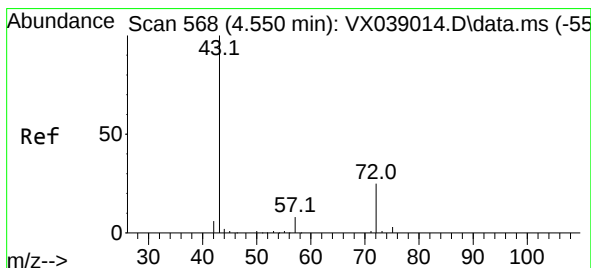
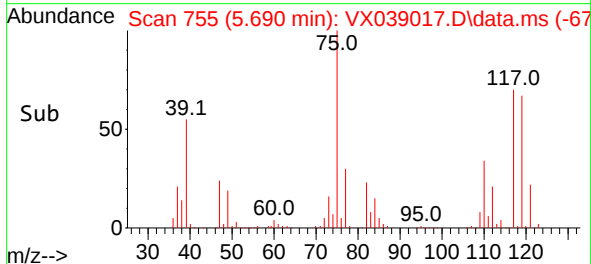
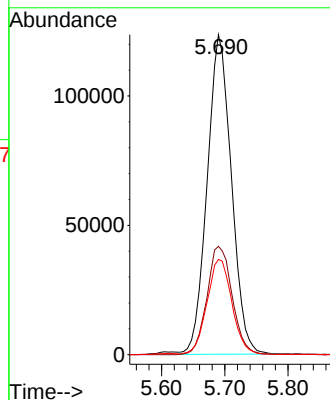
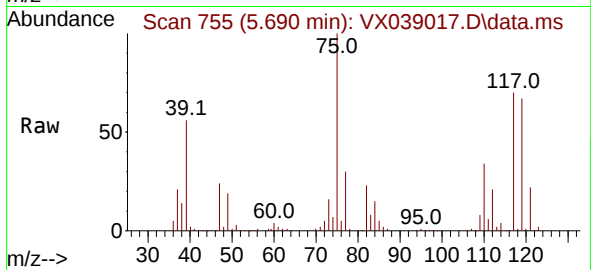
77 30.9 0.0 62.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#30

2-Butanone

Concen: 637.619 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.006 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

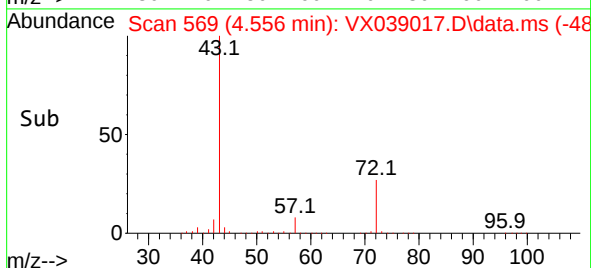
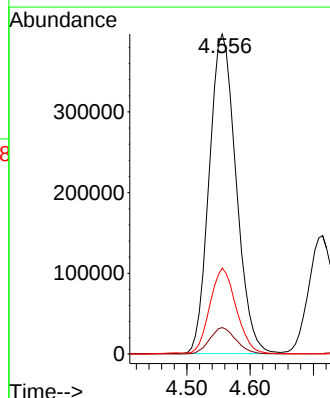
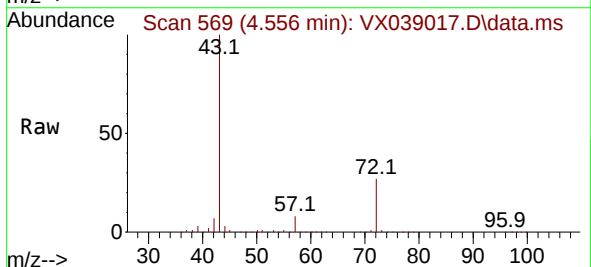
Tgt Ion: 43 Resp: 1167817

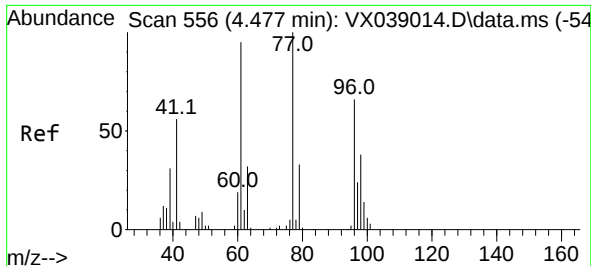
Ion Ratio Lower Upper

43 100

57 8.1 6.6 10.0

72 26.4 20.6 31.0





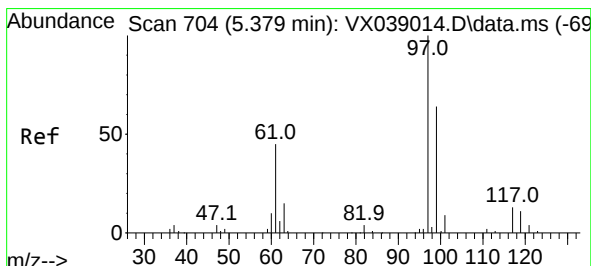
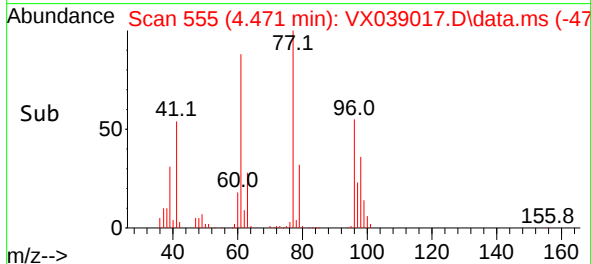
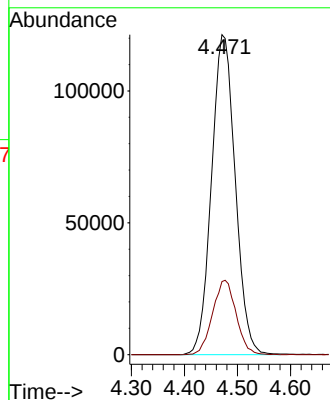
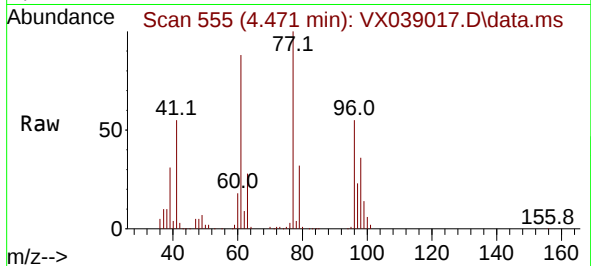
#31  
2,2-Dichloropropane  
Concen: 135.495 ug/l  
RT: 4.471 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion: 77 Resp: 376862  
Ion Ratio Lower Upper  
77 100  
97 23.0 18.2 27.4

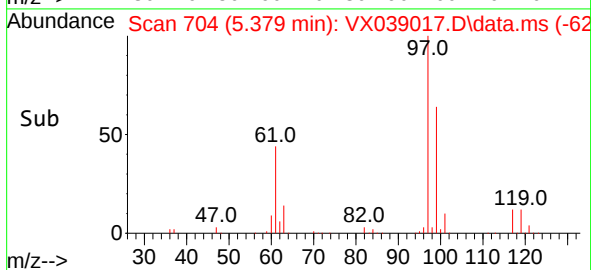
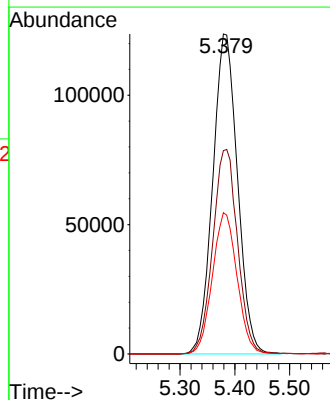
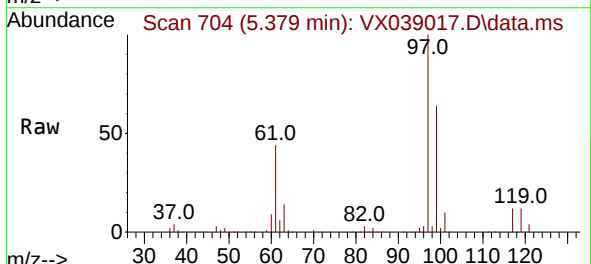
Manual Integrations  
APPROVED

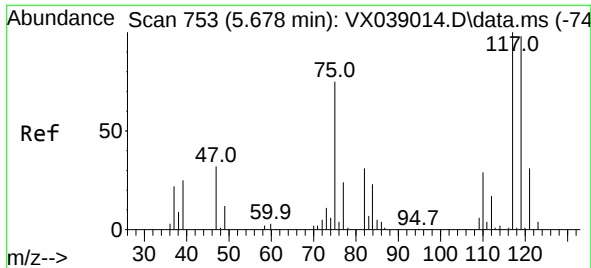
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#32  
1,1,1-Trichloroethane  
Concen: 138.078 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

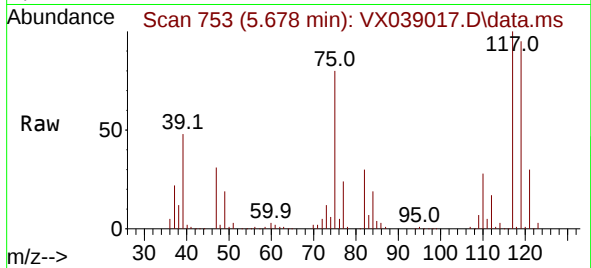
Tgt Ion: 97 Resp: 388232  
Ion Ratio Lower Upper  
97 100  
99 64.0 52.6 79.0  
61 44.0 36.9 55.3





#33  
Carbon Tetrachloride  
Concen: 140.548 ug/l  
RT: 5.678 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

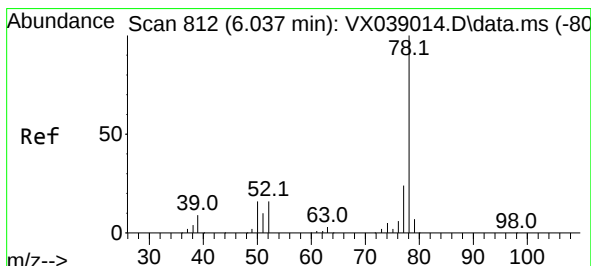
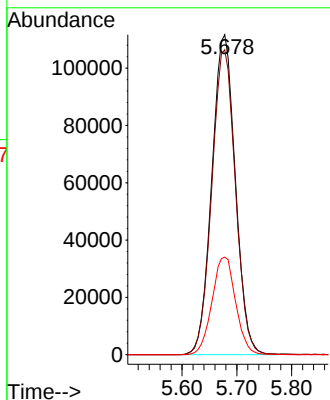
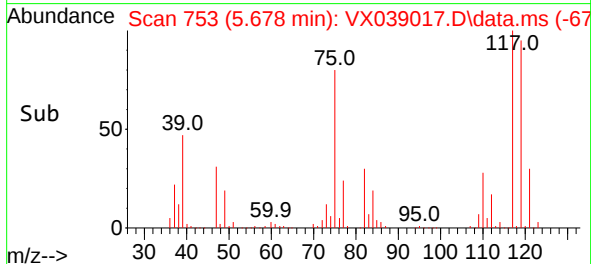
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150



Tgt Ion:117 Resp: 332869  
Ion Ratio Lower Upper  
117 100  
119 95.3 78.2 117.4  
121 30.5 24.7 37.1

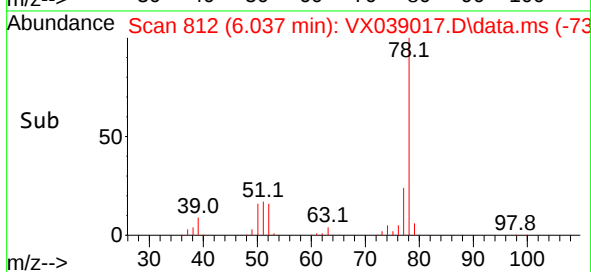
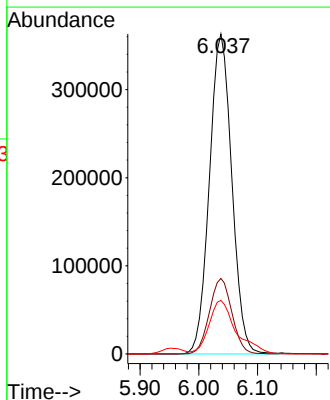
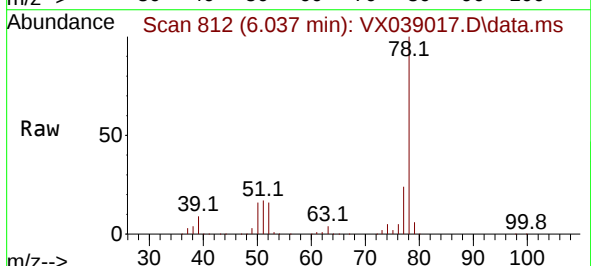
Manual Integrations  
APPROVED

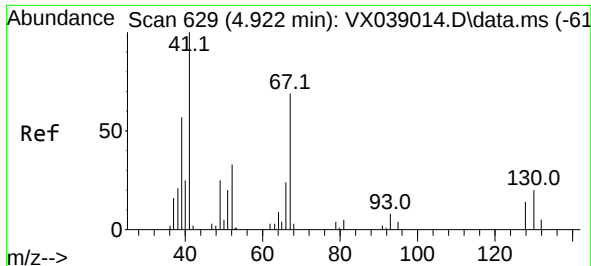
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#34  
Benzene  
Concen: 135.581 ug/l  
RT: 6.037 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 78 Resp: 960782  
Ion Ratio Lower Upper  
78 100  
77 23.6 19.3 28.9  
51 16.6 14.4 21.6





#35  
Methacrylonitrile  
Concen: 139.204 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

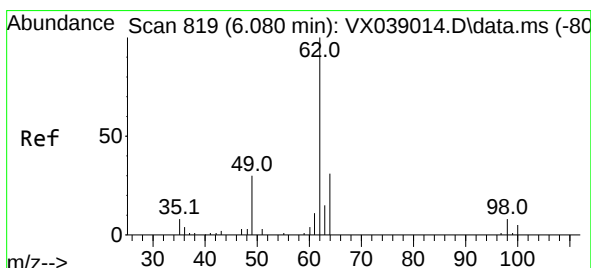
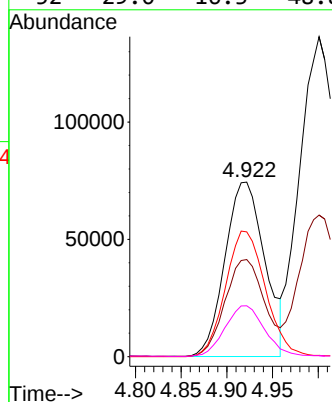
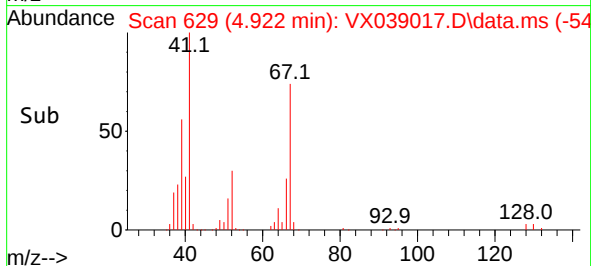
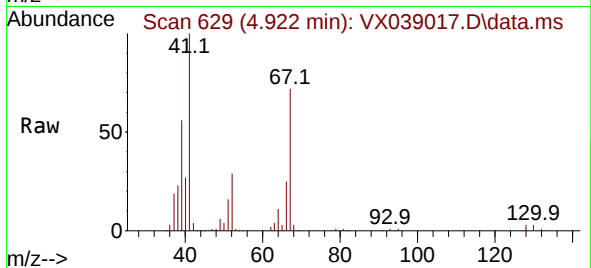
Tgt Ion: 41 Resp: 225838  
Ion Ratio Lower Upper  
41 100  
39 55.4 28.2 84.7  
67 71.6 34.5 103.5  
52 29.0 16.3 48.8

Manual Integrations

APPROVED

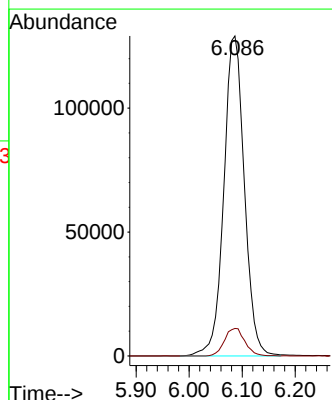
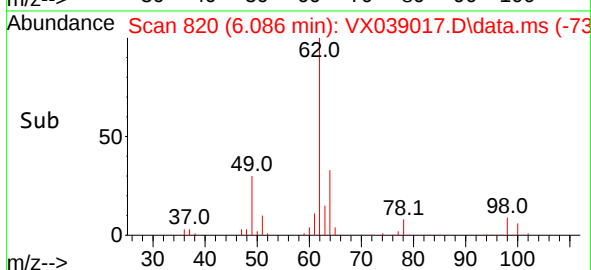
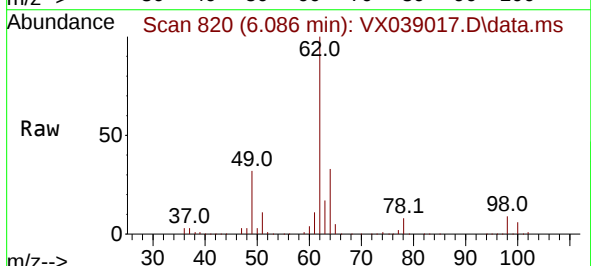
Reviewed By :John Carlone 11/27/2023

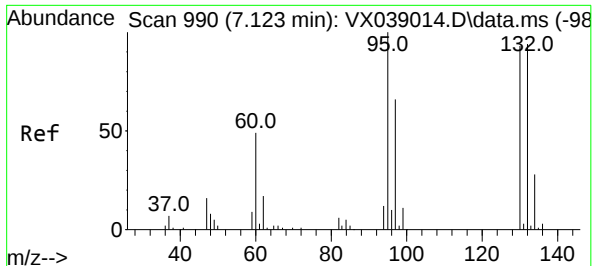
Supervised By :Mahesh Dadoda 11/27/2023



#36  
1,2-Dichloroethane  
Concen: 133.632 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 62 Resp: 347465  
Ion Ratio Lower Upper  
62 100  
98 8.5 7.0 10.4





#37

Trichloroethene

Concen: 135.717 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion:130 Resp: 24409

Ion Ratio Lower Upper

130 100

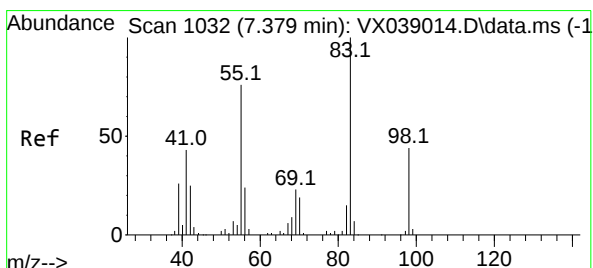
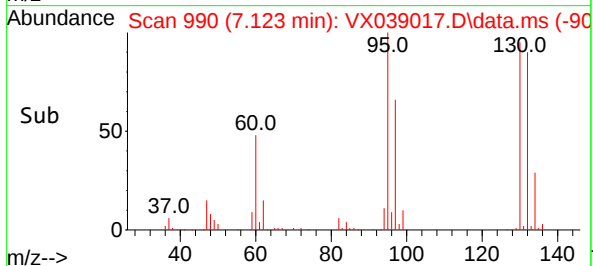
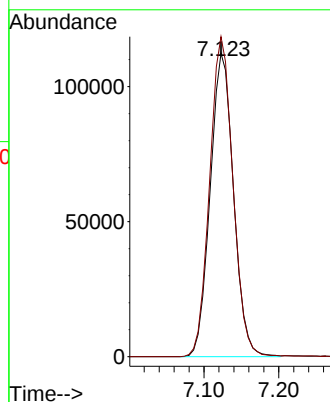
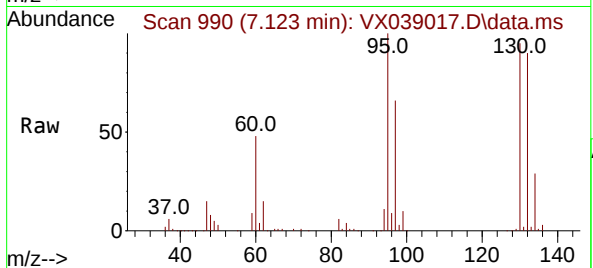
95 105.5 85.8 128.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#38

Methylcyclohexane

Concen: 137.358 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

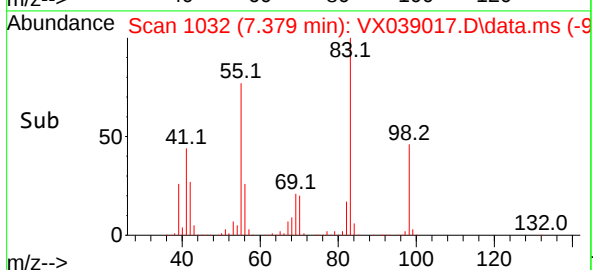
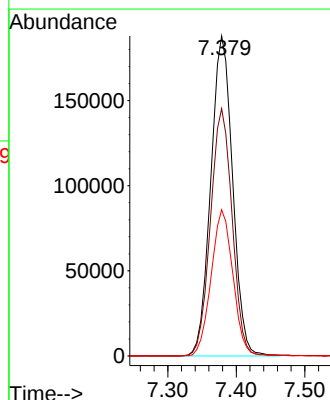
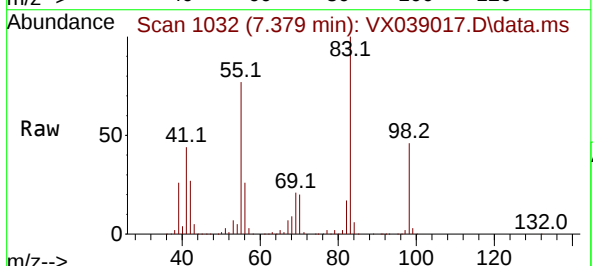
Tgt Ion: 83 Resp: 416339

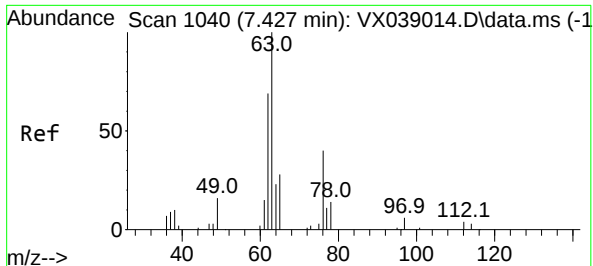
Ion Ratio Lower Upper

83 100

55 76.6 38.6 116.0

98 45.6 22.3 66.8





#39

1,2-Dichloropropane

Concen: 136.104 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 254360

Ion Ratio Lower Upper

63 100

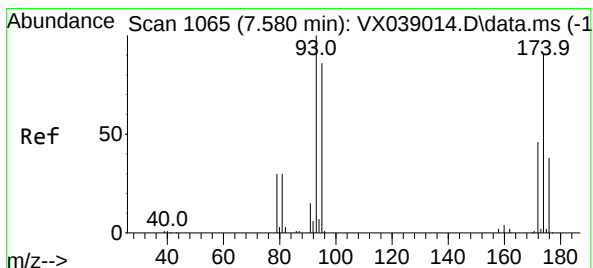
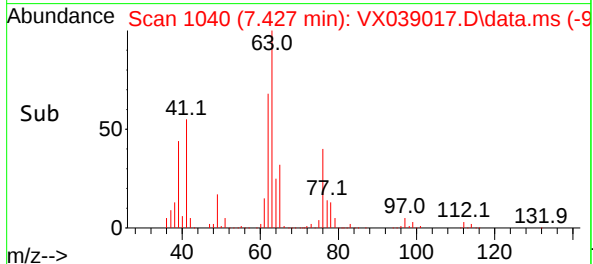
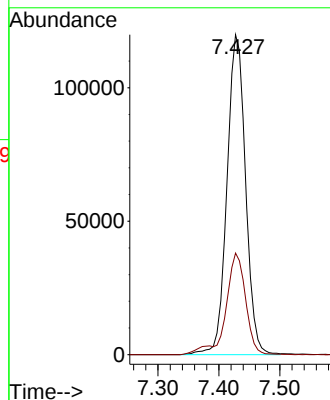
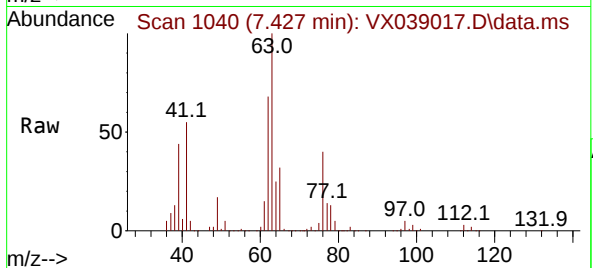
65 31.7 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#40

Dibromomethane

Concen: 135.833 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

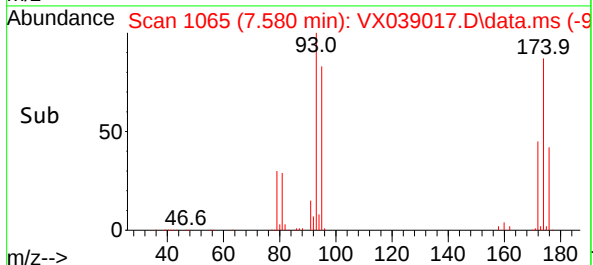
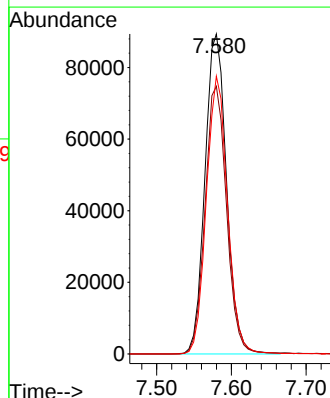
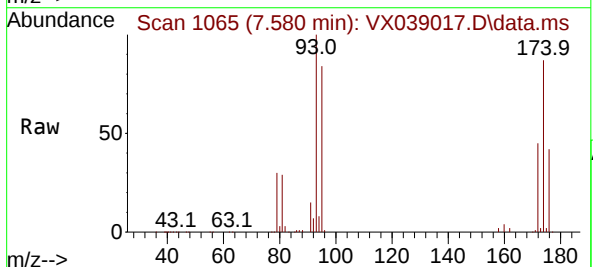
Tgt Ion: 93 Resp: 179364

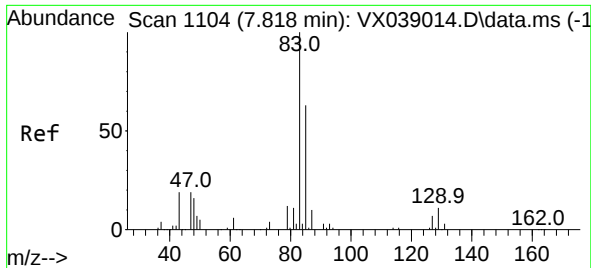
Ion Ratio Lower Upper

93 100

95 83.6 0.0 163.4

174 85.1 0.0 166.4





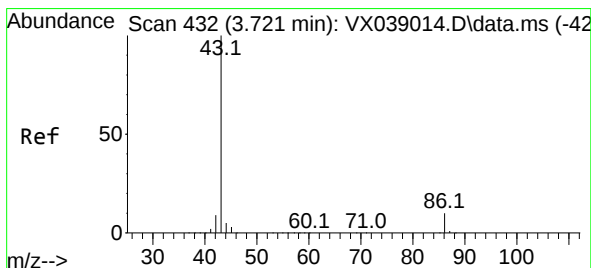
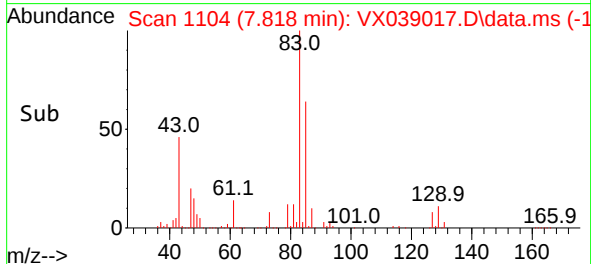
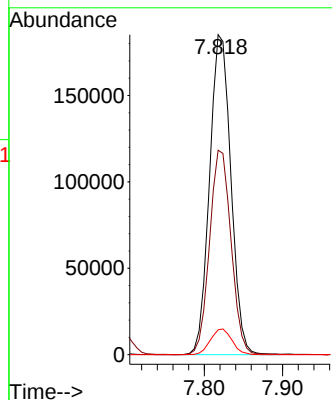
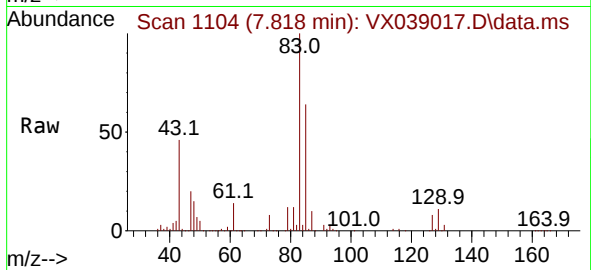
#41  
Bromodichloromethane  
Concen: 138.326 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 83 Resp: 350908  
Ion Ratio Lower Upper  
83 100  
85 63.9 50.8 76.2  
127 7.8 5.9 8.9

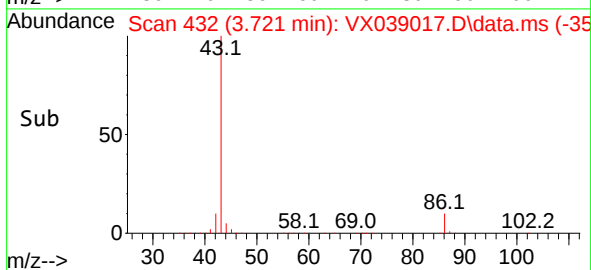
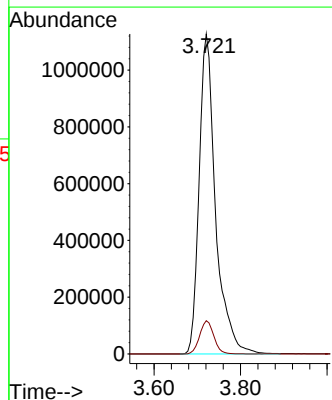
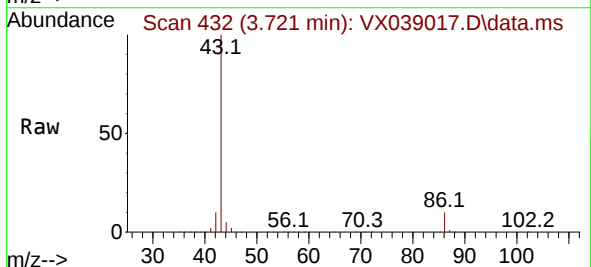
Manual Integrations  
APPROVED

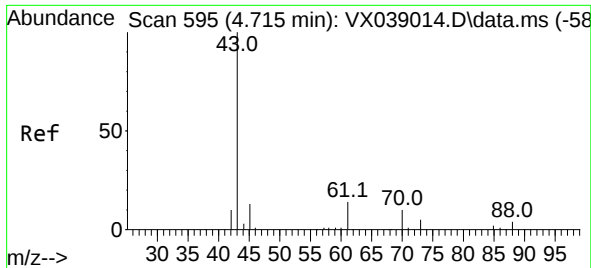
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#42  
Vinyl Acetate  
Concen: 679.714 ug/l  
RT: 3.721 min Scan# 432  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

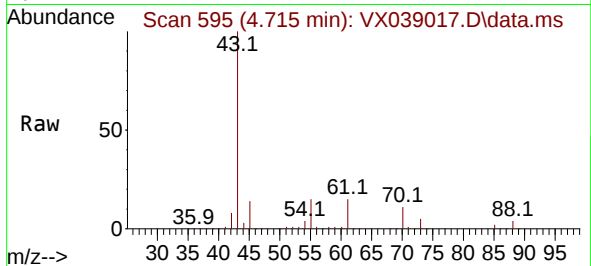
Tgt Ion: 43 Resp: 2965135  
Ion Ratio Lower Upper  
43 100  
86 9.0 6.7 10.1





#43  
Ethyl Acetate  
Concen: 134.751 ug/l  
RT: 4.715 min Scan# 595  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

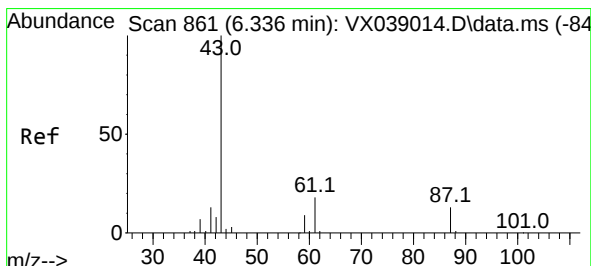
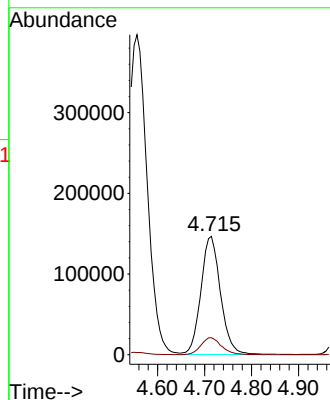
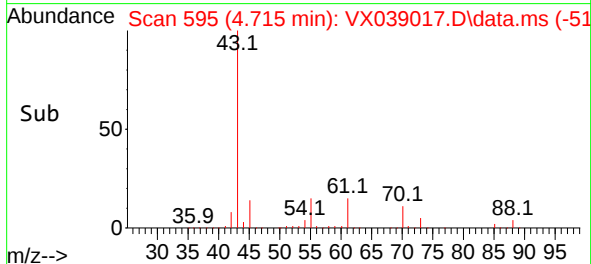
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150



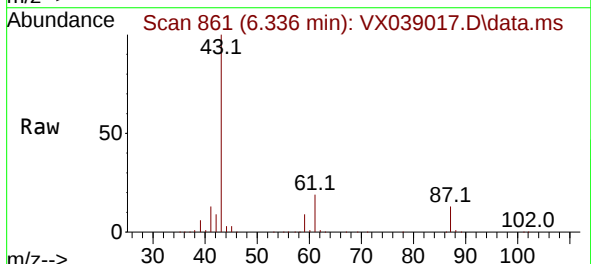
Tgt Ion: 43 Resp: 42460  
Ion Ratio Lower Upper  
43 100  
45 14.9 11.8 17.8

Manual Integrations  
APPROVED

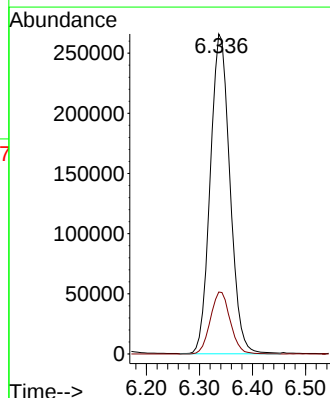
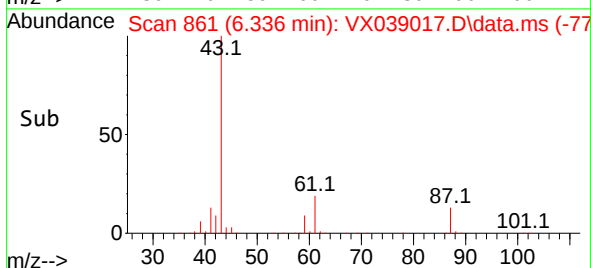
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023

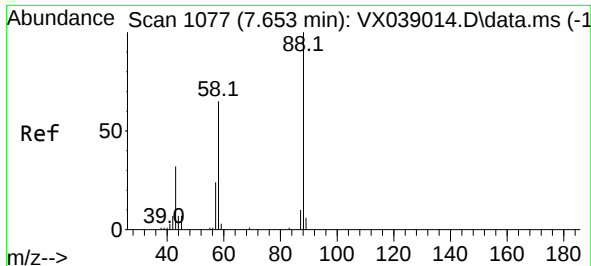


#44  
Isopropyl Acetate  
Concen: 137.879 ug/l  
RT: 6.336 min Scan# 861  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53



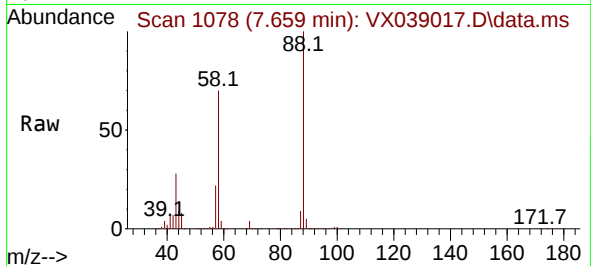
Tgt Ion: 43 Resp: 684880  
Ion Ratio Lower Upper  
43 100  
61 19.5 15.6 23.4





#45  
1,4-Dioxane  
Concen: 2779.631 ug/l  
RT: 7.659 min Scan# 1077  
Delta R.T. 0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

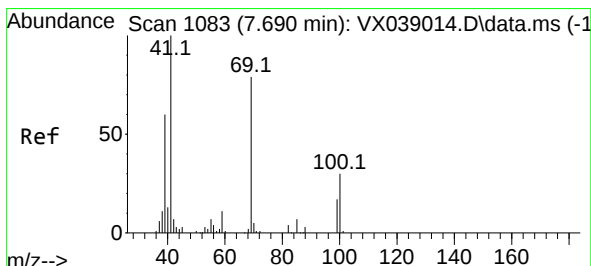
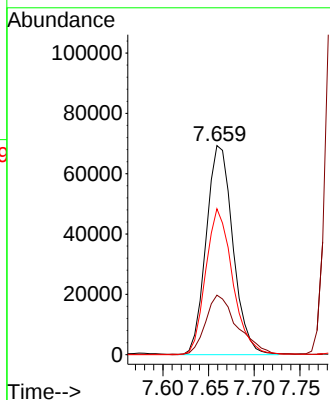
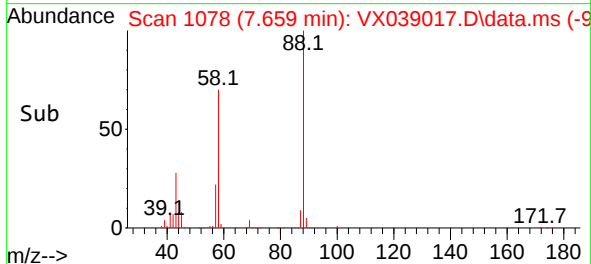
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150



Tgt Ion: 88 Resp: 14095  
Ion Ratio Lower Upper  
88 100  
43 33.2 28.1 42.1  
58 70.6 57.7 86.5

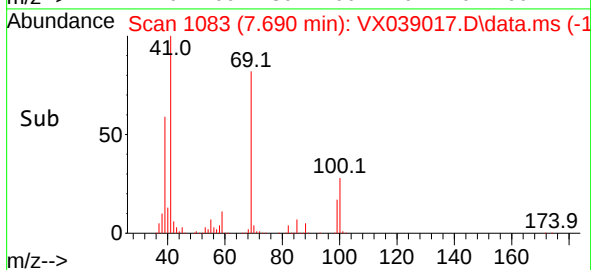
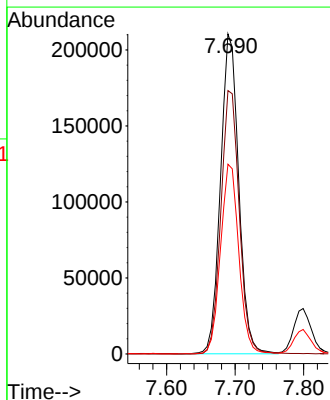
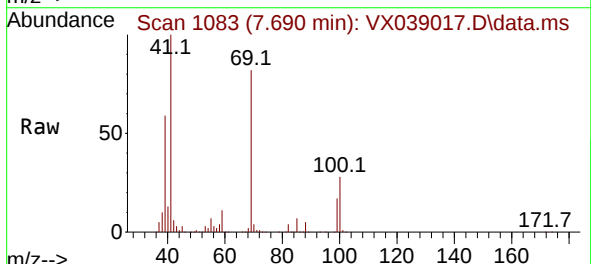
Manual Integrations  
APPROVED

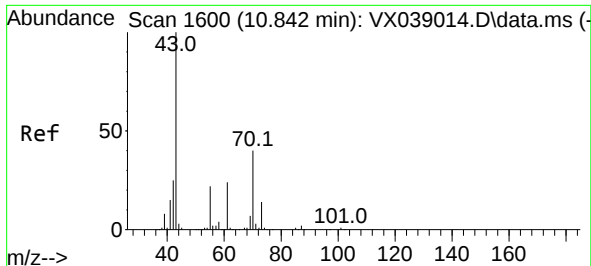
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#46  
Methyl methacrylate  
Concen: 136.414 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 41 Resp: 387417  
Ion Ratio Lower Upper  
41 100  
69 82.4 39.6 118.8  
39 59.3 30.1 90.3





#47

n-amyl acetate

Concen: 144.932 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 60933

Ion Ratio Lower Upper

43 100

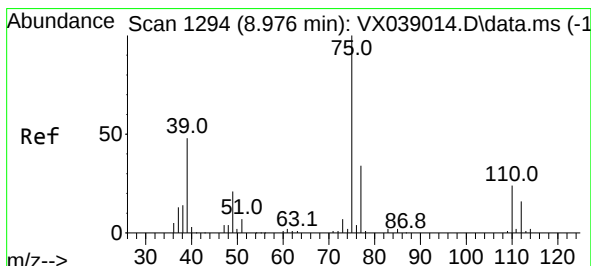
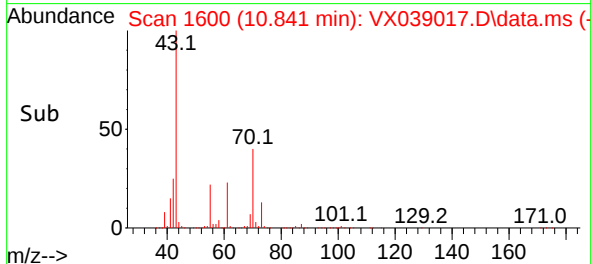
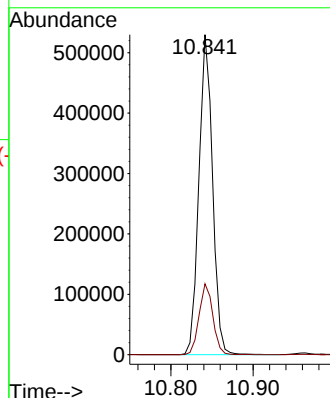
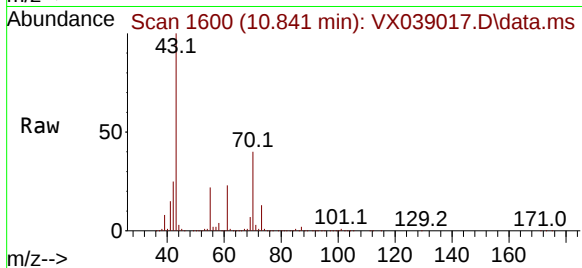
55 22.4 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#48

t-1,3-dichloropropene

Concen: 139.110 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX039017.D

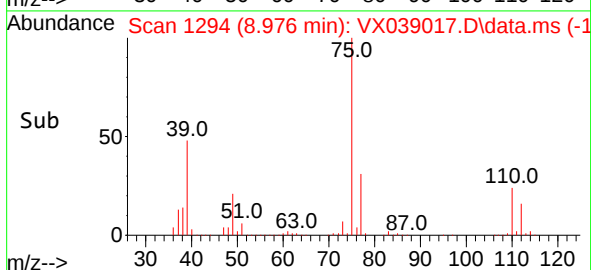
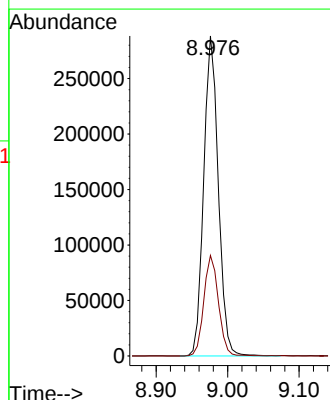
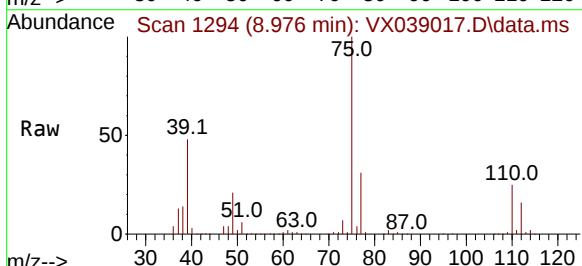
Acq: 24 Nov 2023 10:53

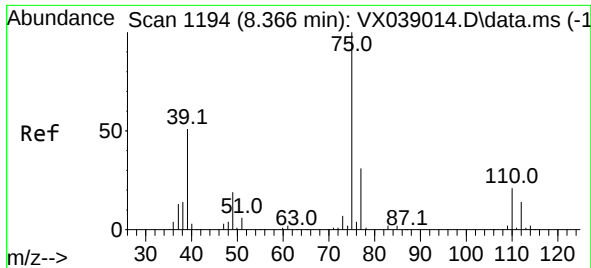
Tgt Ion: 75 Resp: 409190

Ion Ratio Lower Upper

75 100

77 31.4 26.8 40.2





#49

cis-1,3-Dichloropropene

Concen: 138.963 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 75 Resp: 421674

Ion Ratio Lower Upper

75 100

77 30.9 24.4 36.6

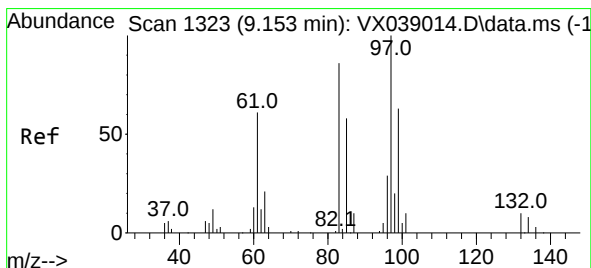
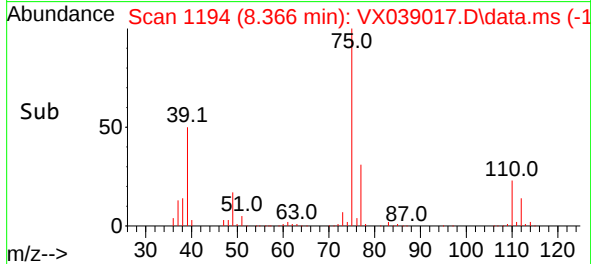
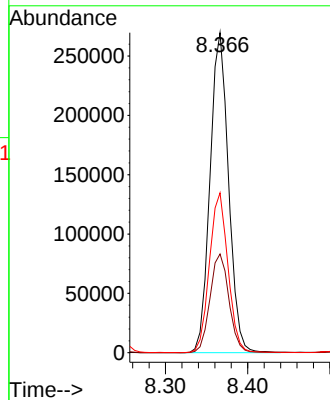
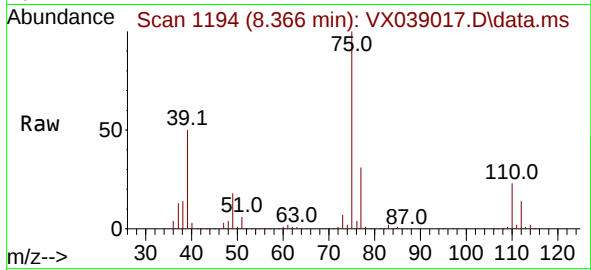
39 50.0 40.6 60.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#50

1,1,2-Trichloroethane

Concen: 138.316 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Tgt Ion: 97 Resp: 248108

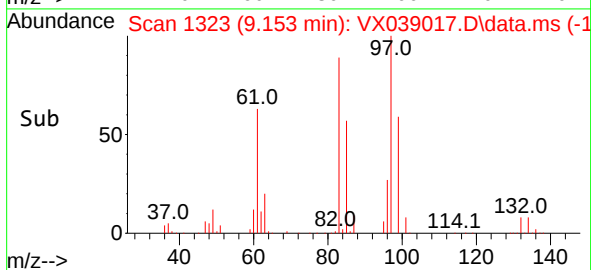
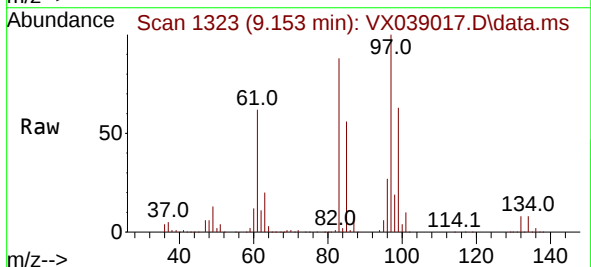
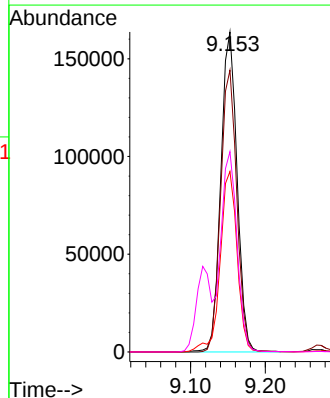
Ion Ratio Lower Upper

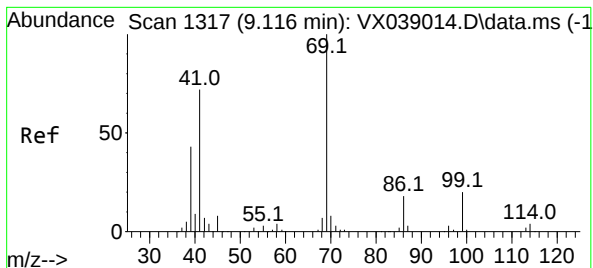
97 100

83 88.0 69.0 103.6

85 56.4 46.3 69.5

99 62.6 50.9 76.3





#51

Ethyl methacrylate

Concen: 143.073 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 69 Resp: 321258

Ion Ratio Lower Upper

69 100

41 68.0 36.2 108.6

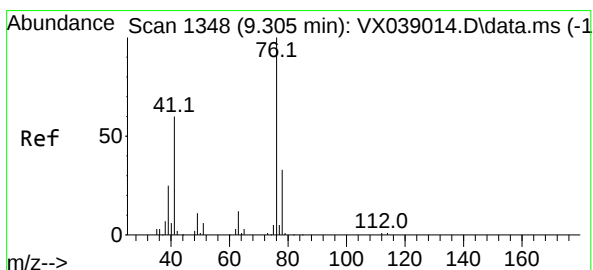
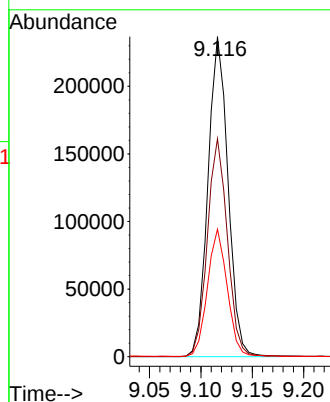
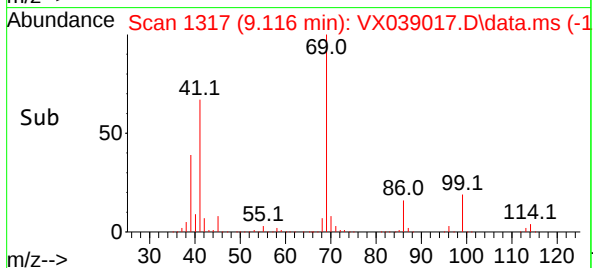
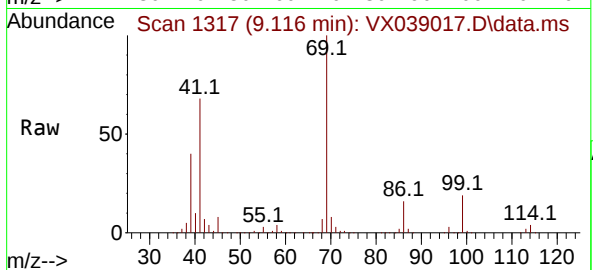
39 39.8 21.1 63.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#52

1,3-Dichloropropane

Concen: 134.148 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VX039017.D

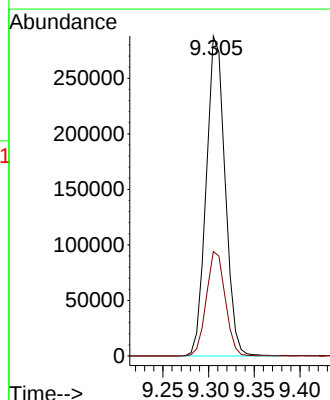
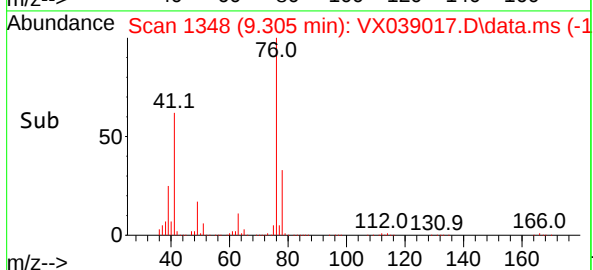
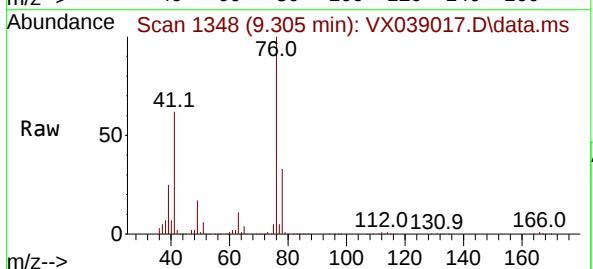
Acq: 24 Nov 2023 10:53

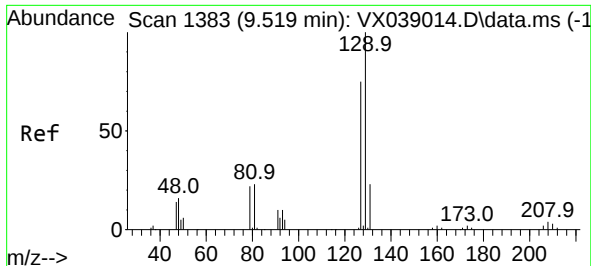
Tgt Ion: 76 Resp: 412613

Ion Ratio Lower Upper

76 100

78 32.7 0.0 65.0





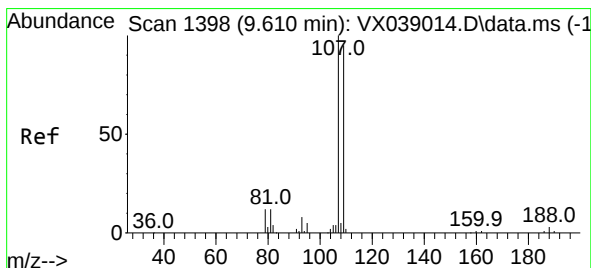
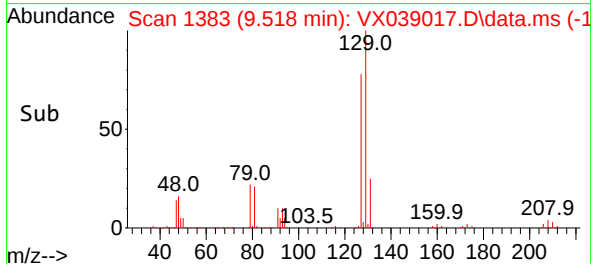
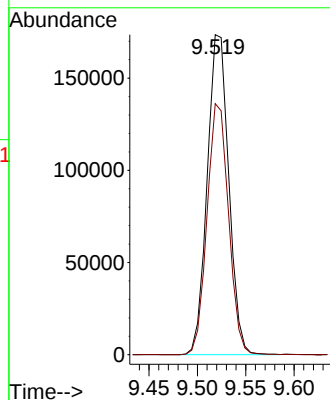
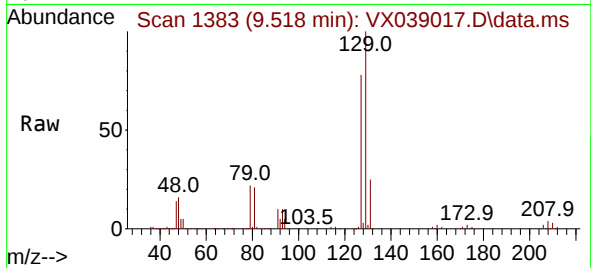
#53  
Dibromochloromethane  
Concen: 139.937 ug/l  
RT: 9.518 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion:129 Resp: 269580  
Ion Ratio Lower Upper  
129 100  
127 78.3 38.3 114.9

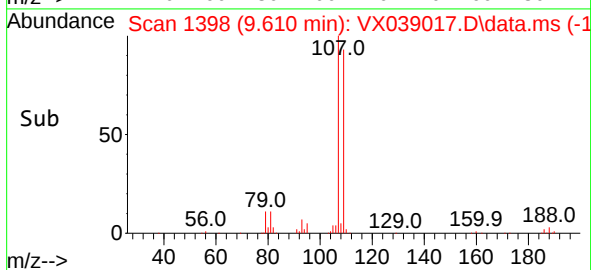
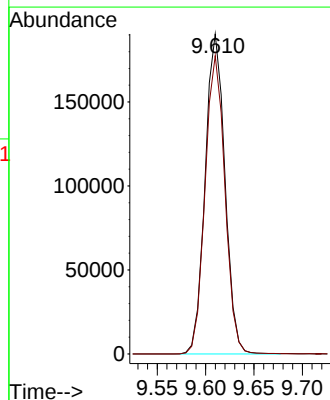
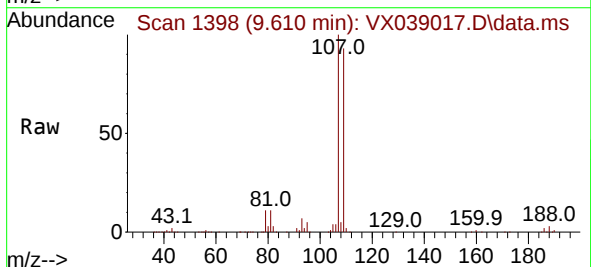
Manual Integrations  
APPROVED

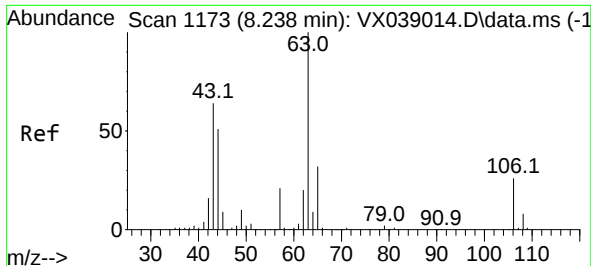
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#54  
1,2-Dibromoethane  
Concen: 137.801 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

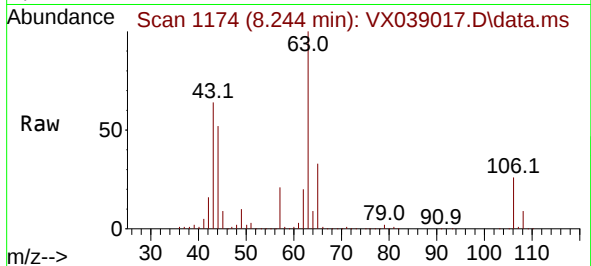
Tgt Ion:107 Resp: 271071  
Ion Ratio Lower Upper  
107 100  
109 93.6 75.1 112.7





#55  
2-Chloroethyl vinyl ether  
Concen: 705.451 ug/l  
RT: 8.244 min Scan# 1174  
Delta R.T. 0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

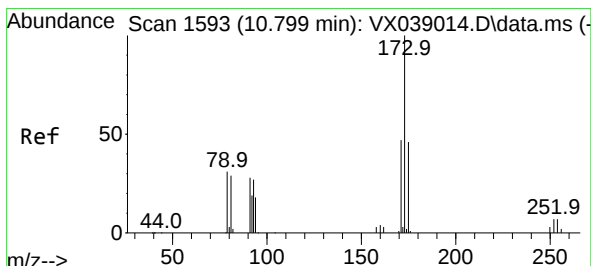
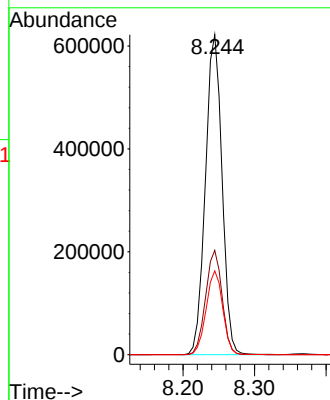
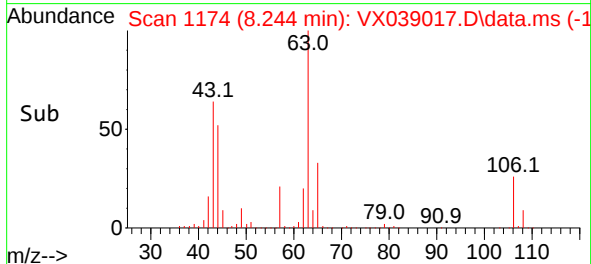
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150



Tgt Ion: 63 Resp: 1003469  
Ion Ratio Lower Upper  
63 100  
65 32.4 25.8 38.6  
106 26.1 20.6 31.0

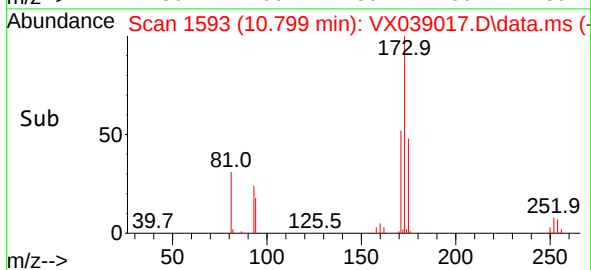
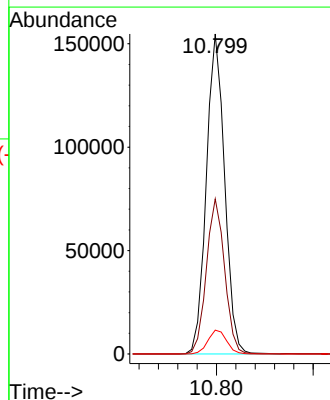
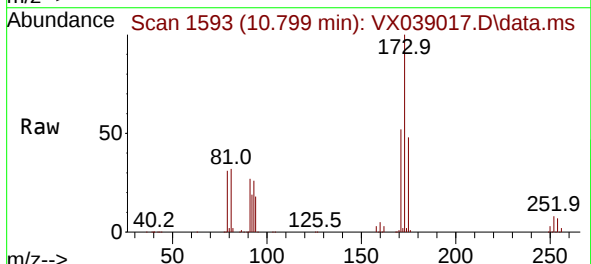
Manual Integrations  
APPROVED

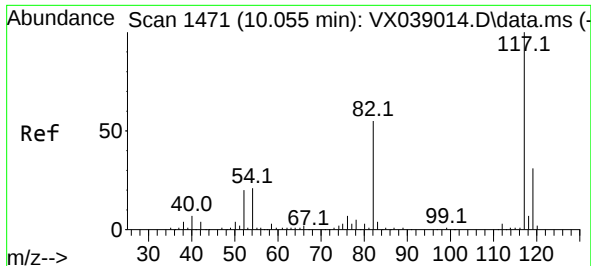
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#56  
Bromoform  
Concen: 146.306 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

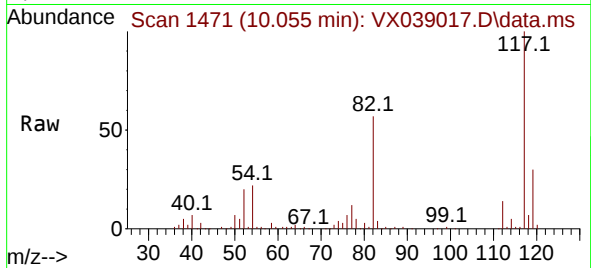
Tgt Ion:173 Resp: 203419  
Ion Ratio Lower Upper  
173 100  
175 48.4 37.6 56.4  
254 7.6 5.8 8.8





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

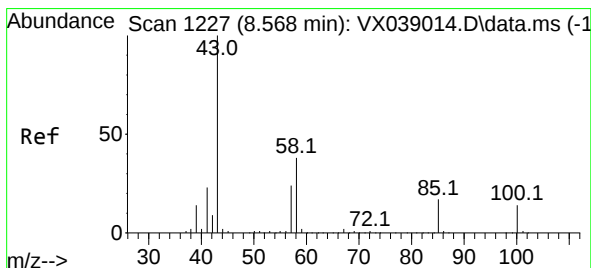
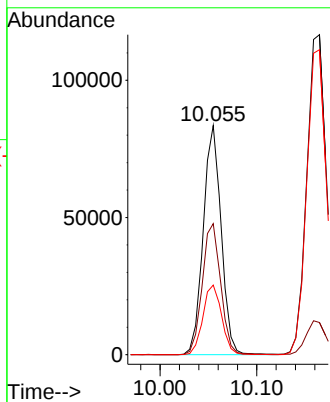
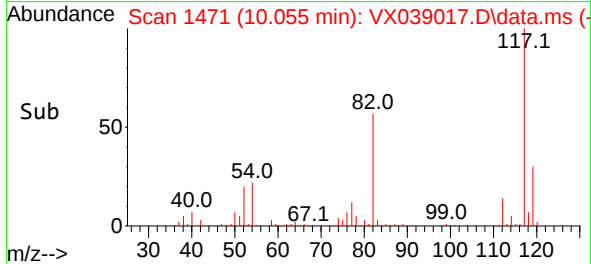
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150



Tgt Ion: 117 Resp: 10791  
Ion Ratio Lower Upper  
117 100  
82 58.7 47.0 70.6  
119 31.4 25.2 37.8

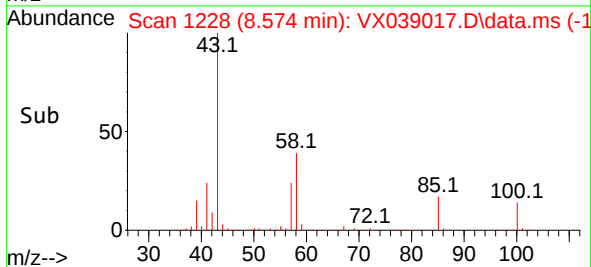
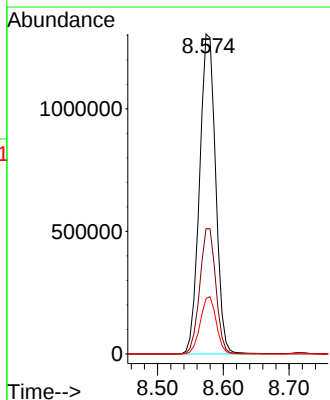
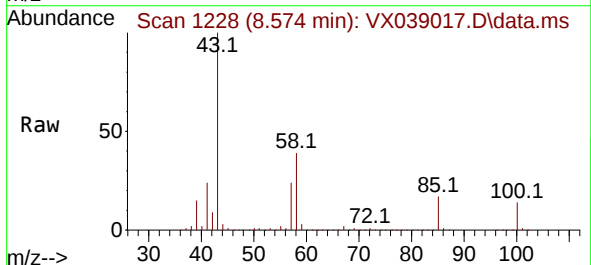
Manual Integrations  
APPROVED

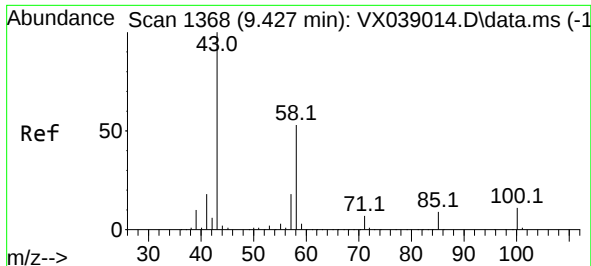
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#58  
4-Methyl-2-Pentanone  
Concen: 677.217 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. 0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 43 Resp: 2216109  
Ion Ratio Lower Upper  
43 100  
58 39.0 30.1 45.1  
85 17.7 13.9 20.9





#59

2-Hexanone

Concen: 670.891 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1802080

Ion Ratio Lower Upper

43 100

58 54.4 42.7 64.1

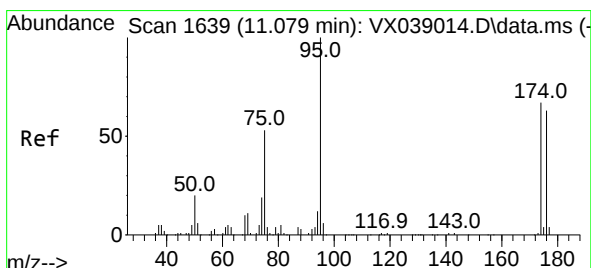
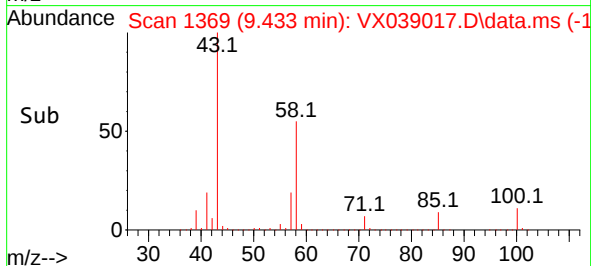
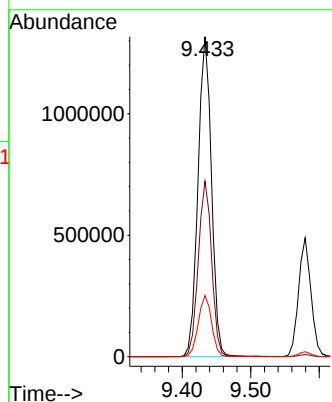
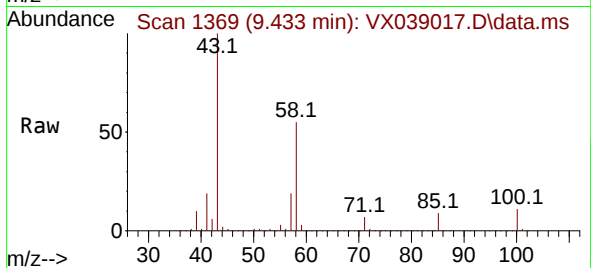
57 18.9 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#60

4-Bromofluorobenzene

Concen: 30.514 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

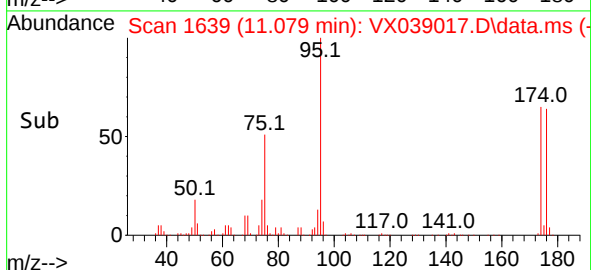
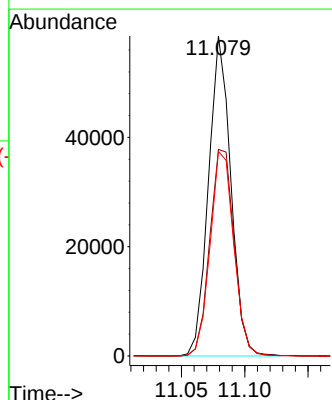
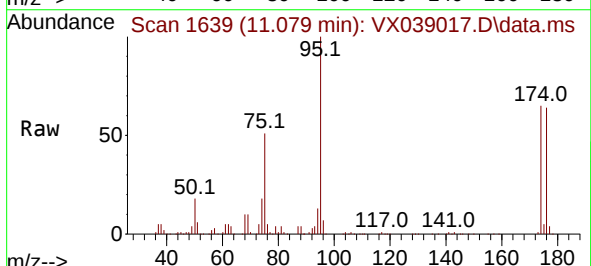
Tgt Ion: 95 Resp: 71921

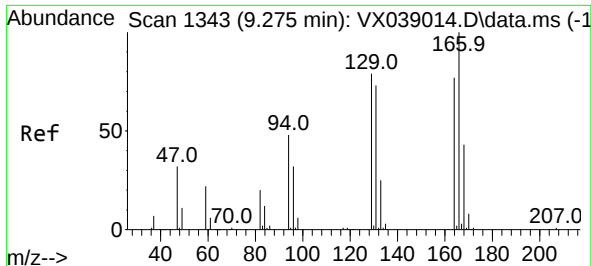
Ion Ratio Lower Upper

95 100

174 70.4 55.4 83.2

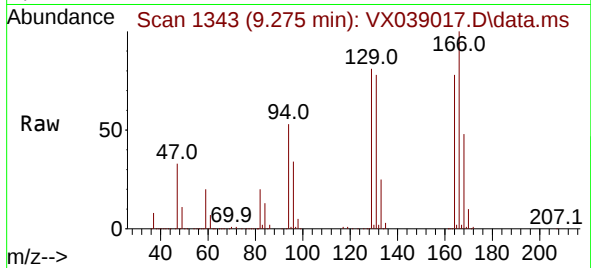
176 67.8 52.6 78.8





#61  
Tetrachloroethene  
Concen: 135.004 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

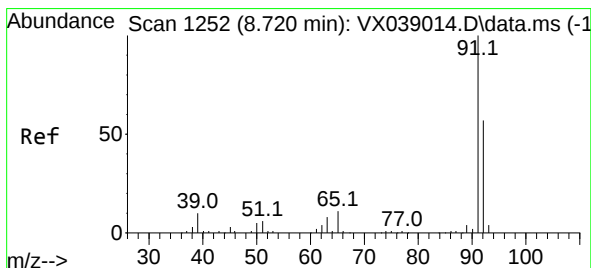
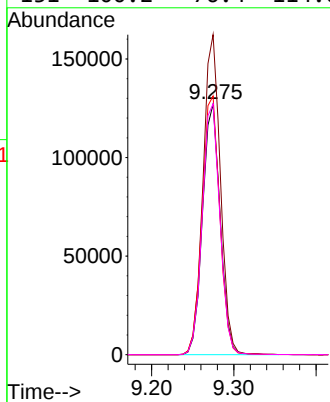
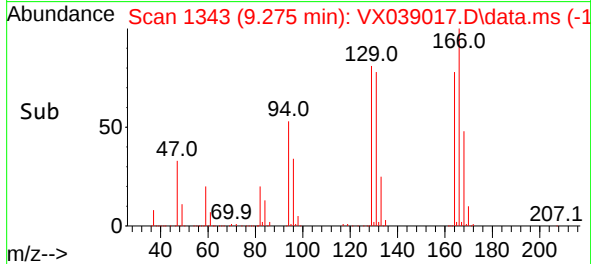
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150



Tgt Ion:164 Resp: 18941  
Ion Ratio Lower Upper  
164 100  
166 127.7 104.0 156.0  
129 103.2 82.0 123.0  
131 100.2 76.4 114.6

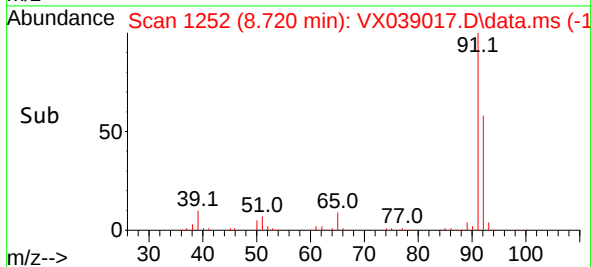
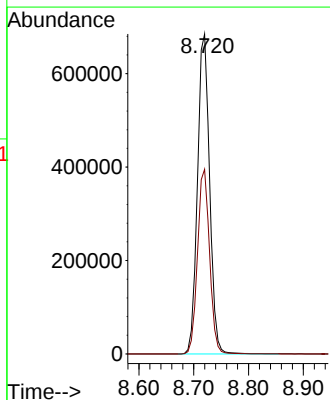
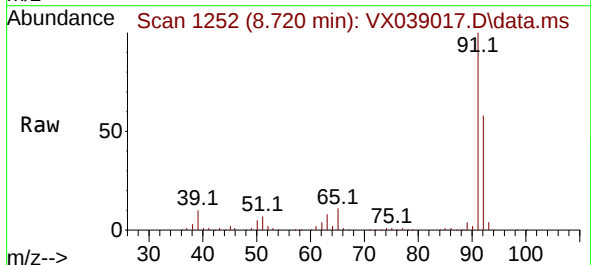
Manual Integrations  
APPROVED

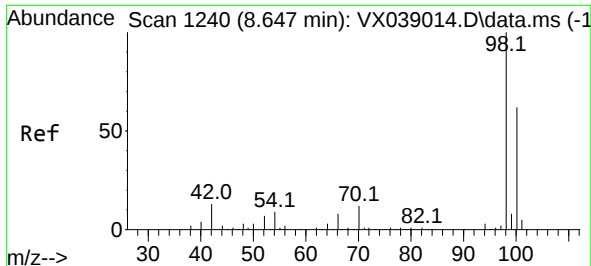
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#62  
Toluene  
Concen: 137.682 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

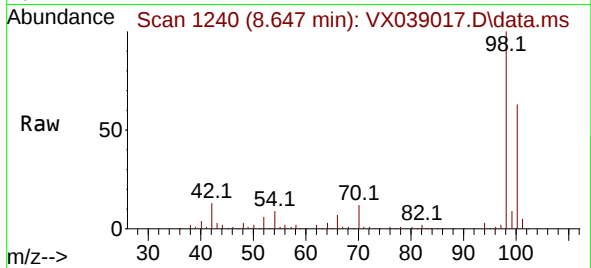
Tgt Ion: 91 Resp: 1054826  
Ion Ratio Lower Upper  
91 100  
92 57.3 45.9 68.9





#63  
Toluene-d8  
Concen: 29.970 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

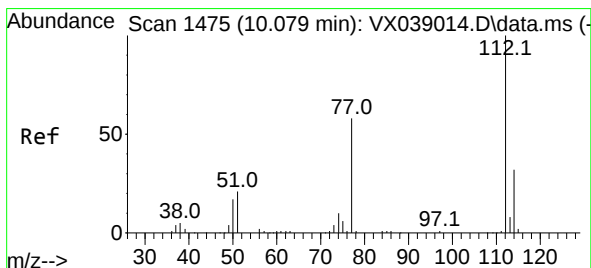
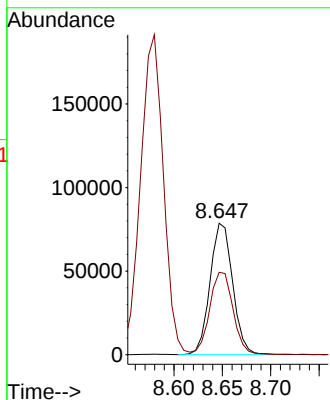
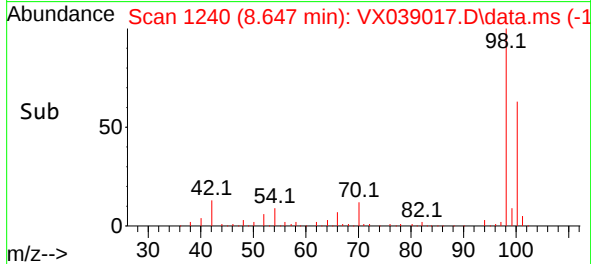
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150



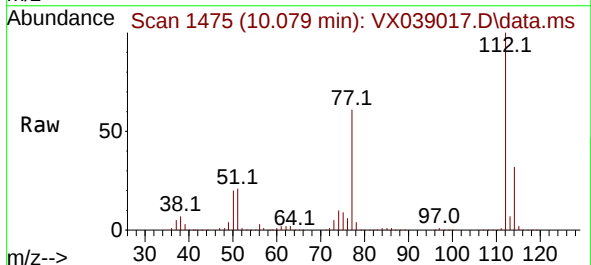
Tgt Ion: 98 Resp: 127860  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.0 76.4

Manual Integrations  
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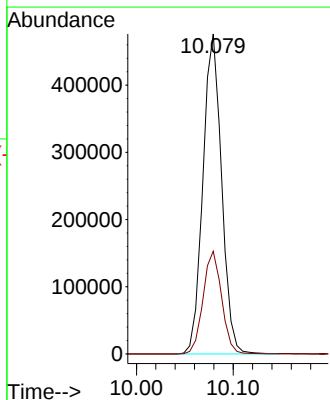
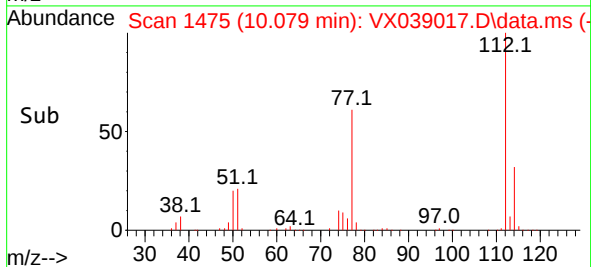
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023

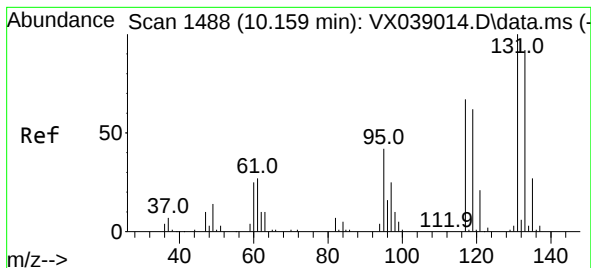


#64  
Chlorobenzene  
Concen: 137.221 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53



Tgt Ion:112 Resp: 639479  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.9 38.9





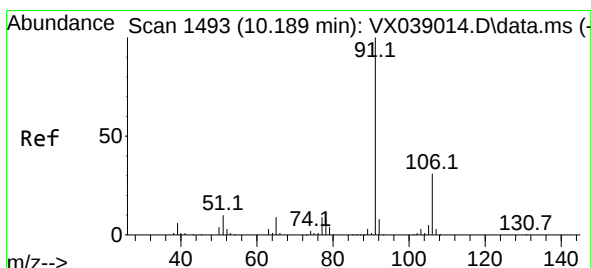
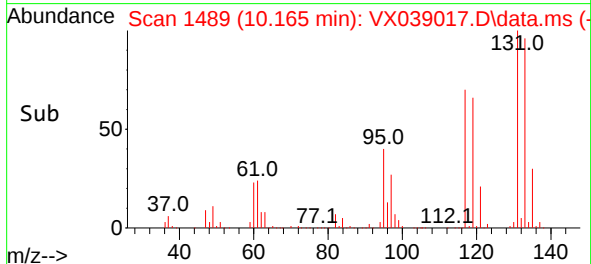
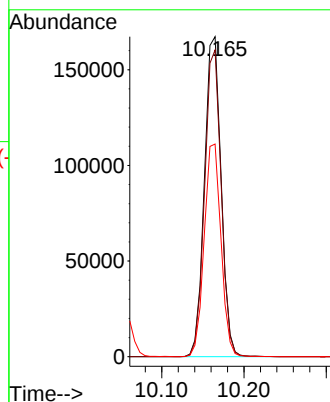
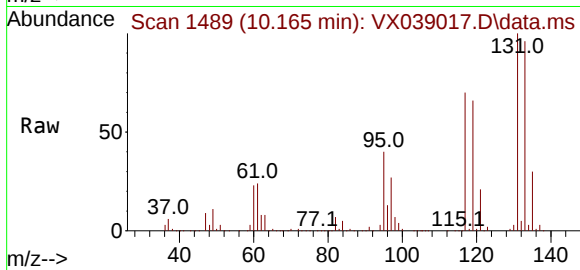
#65  
1,1,1,2-Tetrachloroethane  
Concen: 140.683 ug/l  
RT: 10.165 min Scan# 1488  
Delta R.T. 0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion:131 Resp: 236114  
Ion Ratio Lower Upper  
131 100  
133 94.7 0.0 191.8  
119 66.9 0.0 135.4

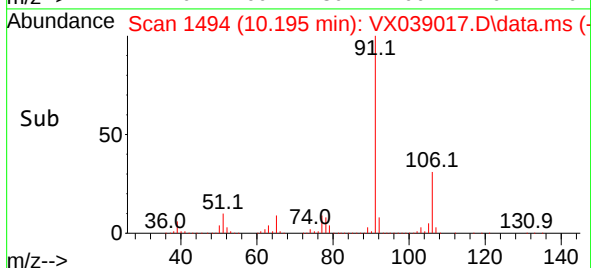
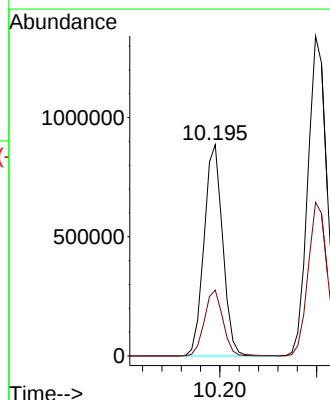
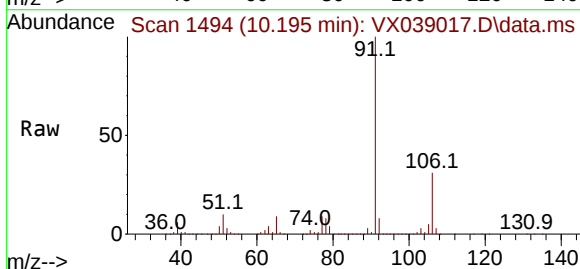
Manual Integrations  
APPROVED

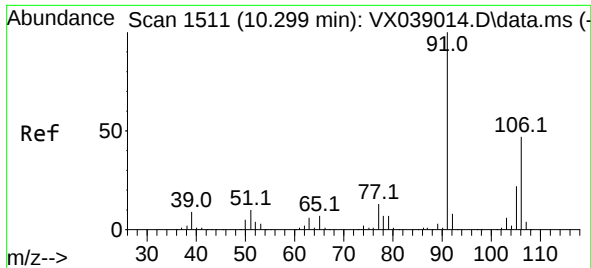
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#66  
Ethyl Benzene  
Concen: 135.946 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 91 Resp: 1185980  
Ion Ratio Lower Upper  
91 100  
106 31.2 24.4 36.6





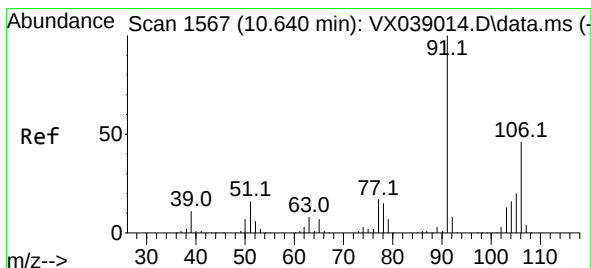
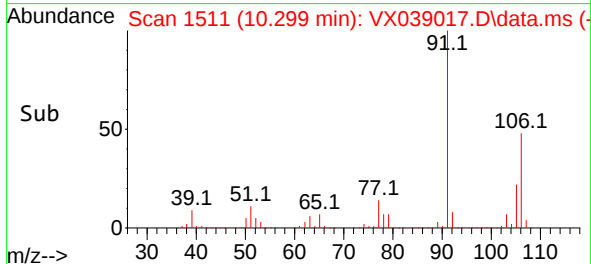
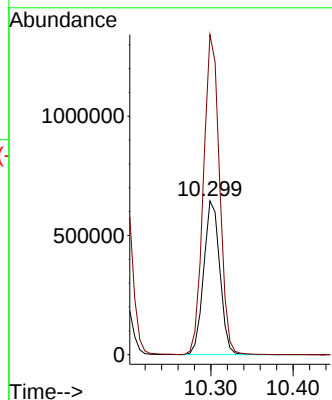
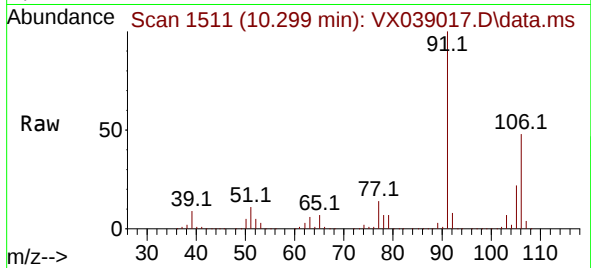
#67  
m/p-Xylenes  
Concen: 273.124 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion:106 Resp: 88045  
Ion Ratio Lower Upper  
106 100  
91 207.4 169.4 254.0

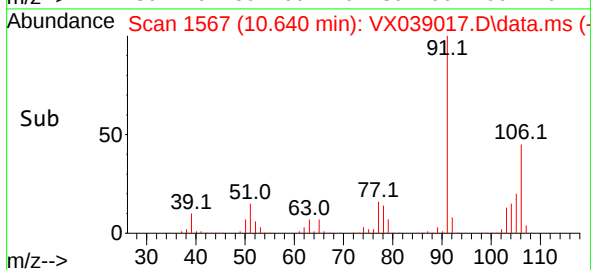
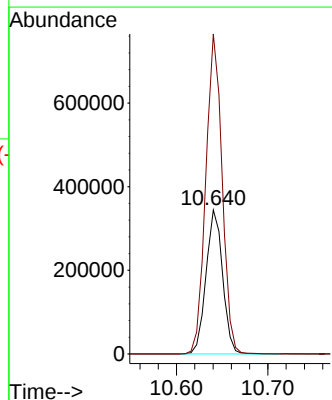
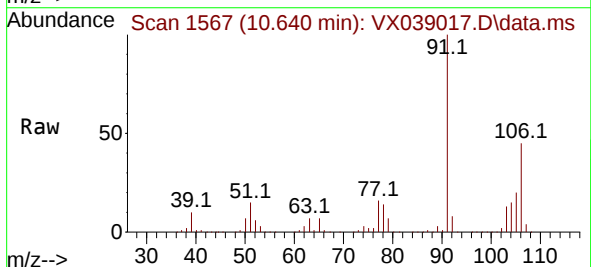
Manual Integrations  
APPROVED

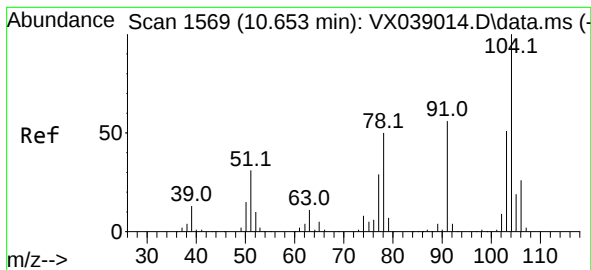
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#68  
o-Xylene  
Concen: 138.575 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion:106 Resp: 432721  
Ion Ratio Lower Upper  
106 100  
91 218.4 111.2 333.6





#69

Styrene

Concen: 141.711 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

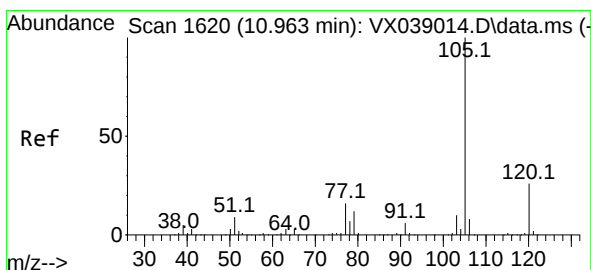
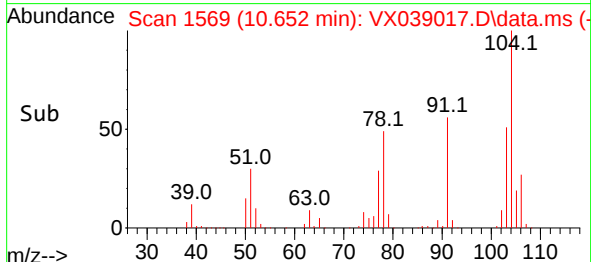
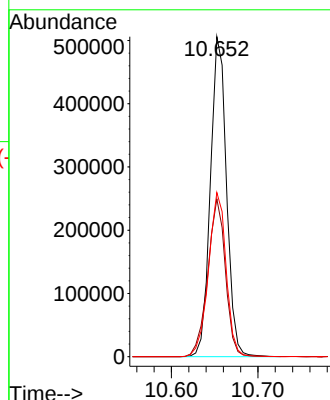
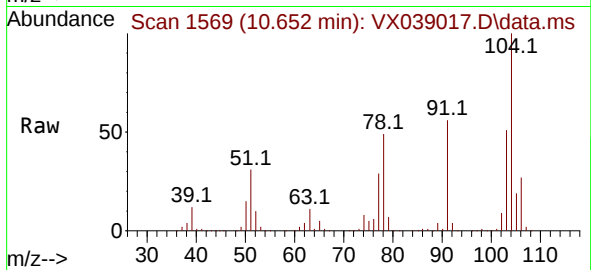
Tgt Ion:104 Resp: 654902  
 Ion Ratio Lower Upper  
 104 100  
 78 54.0 43.7 65.5  
 103 56.1 44.6 67.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#70

Isopropylbenzene

Concen: 138.423 ug/l

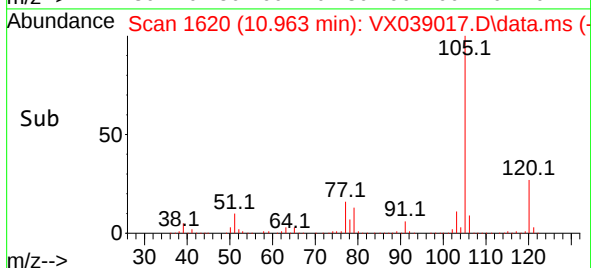
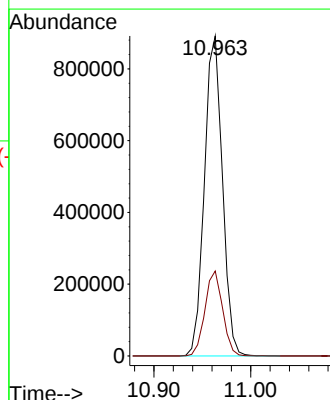
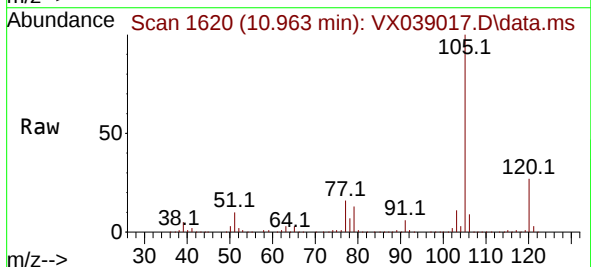
RT: 10.963 min Scan# 1620

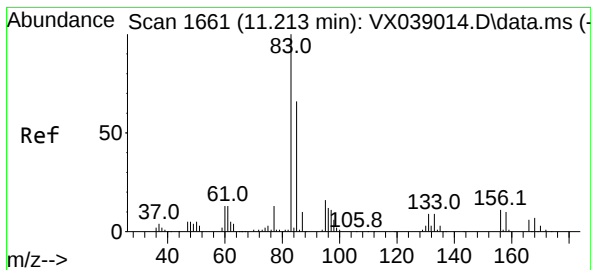
Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Tgt Ion:105 Resp: 1156493  
 Ion Ratio Lower Upper  
 105 100  
 120 26.1 18.5 34.3





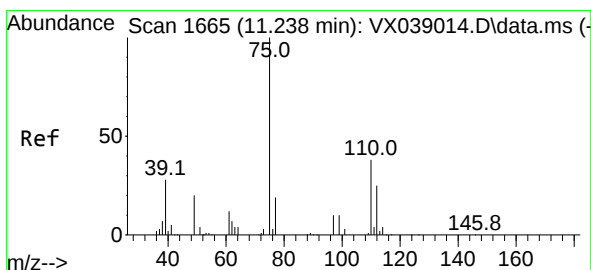
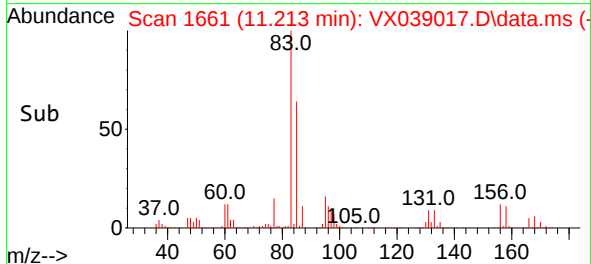
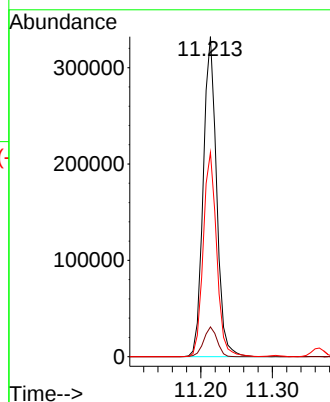
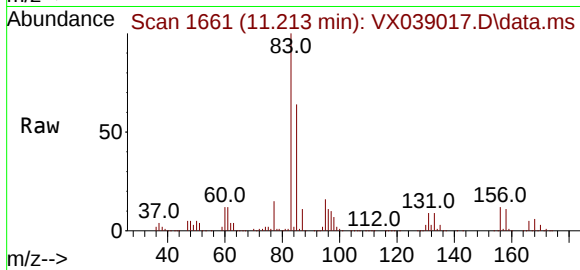
#71  
1,1,2,2-Tetrachloroethane  
Concen: 138.053 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 83 Resp: 430578  
Ion Ratio Lower Upper  
83 100  
131 9.4 4.6 13.8  
85 64.3 32.5 97.4

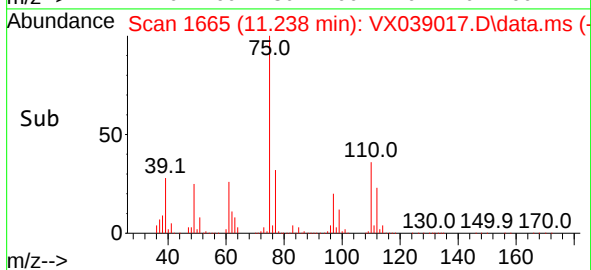
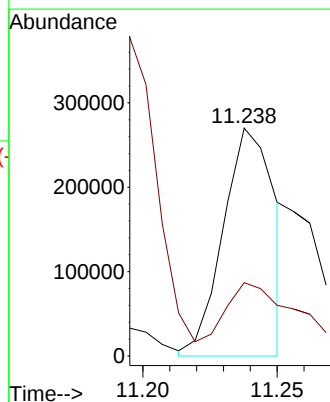
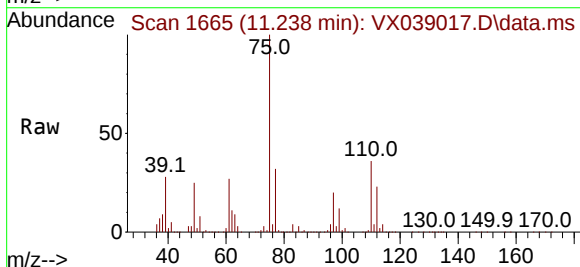
Manual Integrations  
APPROVED

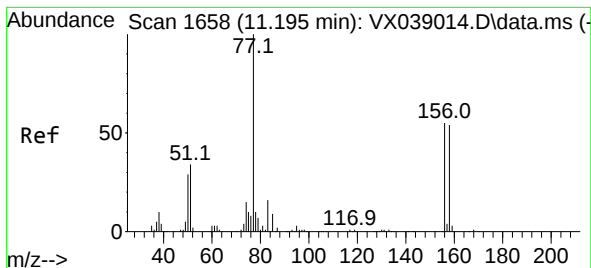
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#72  
1,2,3-Trichloropropane  
Concen: 99.564 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 75 Resp: 356851  
Ion Ratio Lower Upper  
75 100  
77 46.7 0.0 76.4





#73

Bromobenzene

Concen: 139.714 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

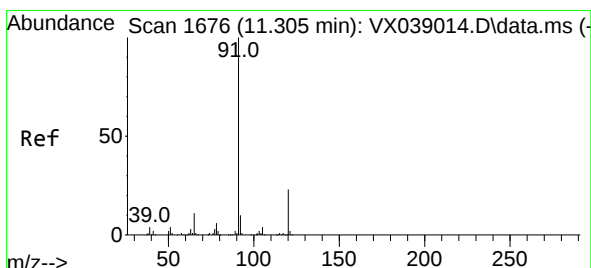
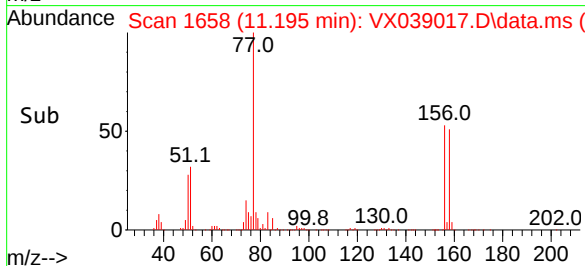
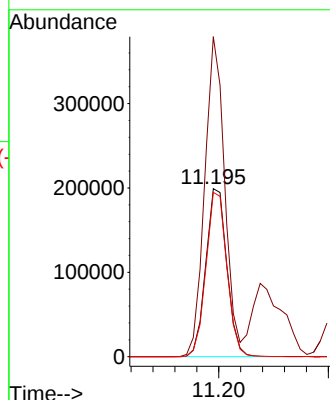
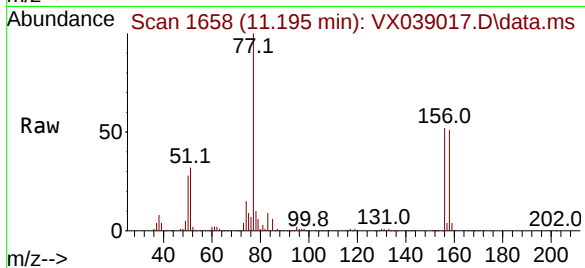
Tgt Ion:156 Resp: 265758  
 Ion Ratio Lower Upper  
 156 100  
 77 179.6 0.0 363.2  
 158 96.9 0.0 197.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#74

n-propylbenzene

Concen: 139.135 ug/l

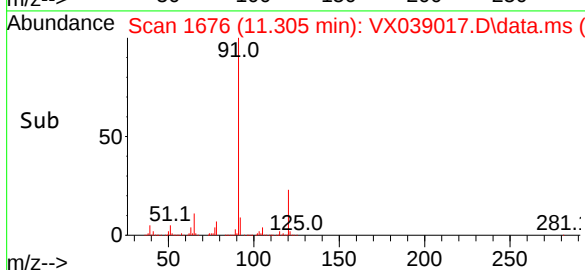
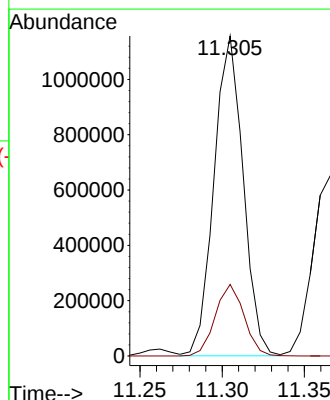
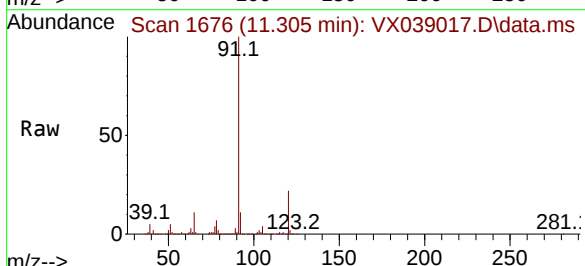
RT: 11.305 min Scan# 1676

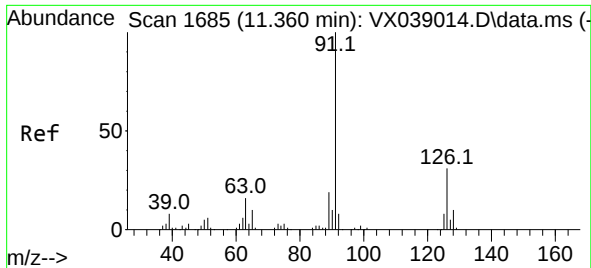
Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Tgt Ion: 91 Resp: 1424220  
 Ion Ratio Lower Upper  
 91 100  
 120 22.1 0.0 43.4





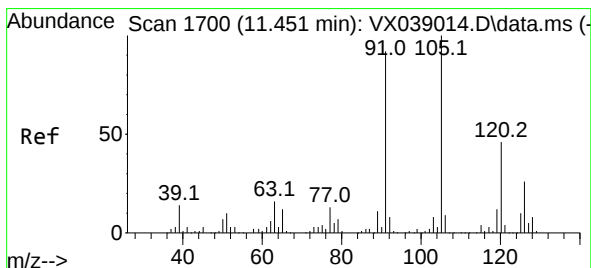
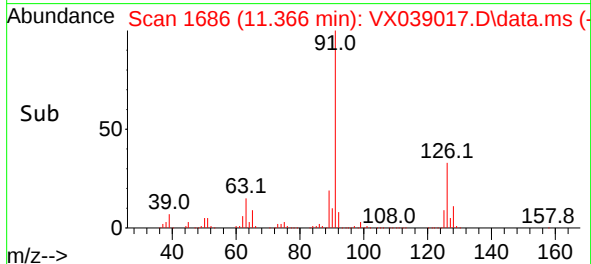
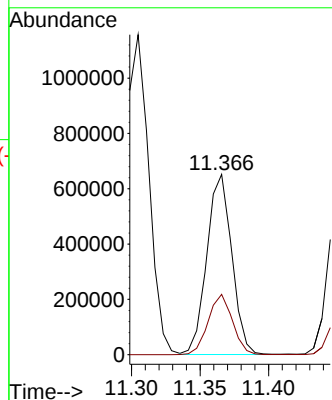
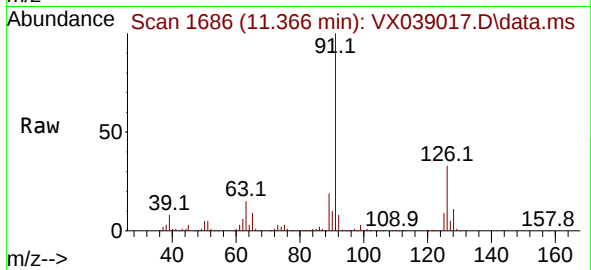
#75  
2-Chlorotoluene  
Concen: 137.898 ug/l  
RT: 11.366 min Scan# 1685  
Delta R.T. 0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 91 Resp: 828140  
Ion Ratio Lower Upper  
91 100  
126 32.5 0.0 64.2

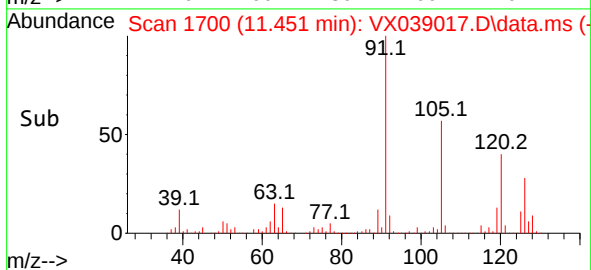
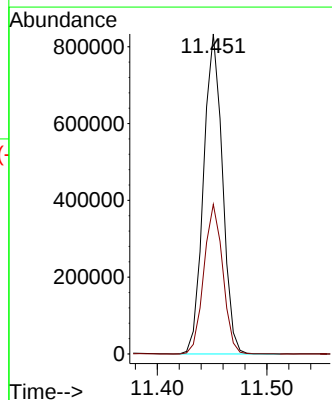
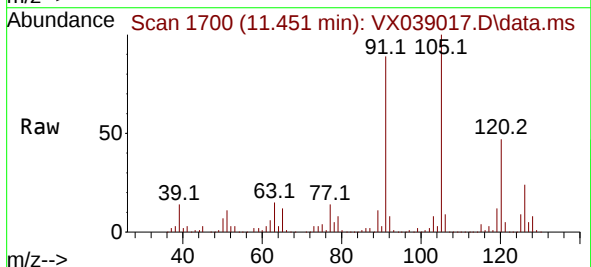
Manual Integrations  
APPROVED

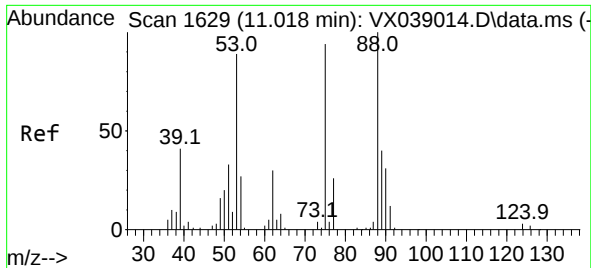
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#76  
1,3,5-Trimethylbenzene  
Concen: 138.602 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

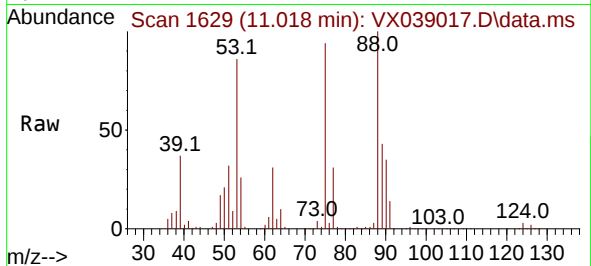
Tgt Ion:105 Resp: 997603  
Ion Ratio Lower Upper  
105 100  
120 46.7 0.0 92.6





#77  
t-1,4-Dichloro-2-butene  
Concen: 150.531 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

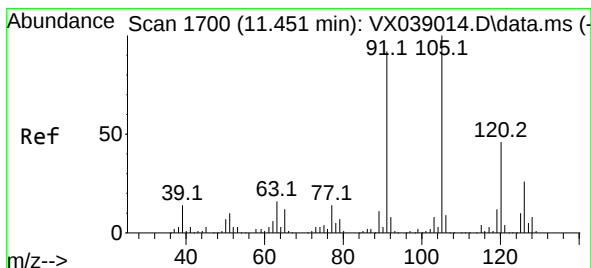
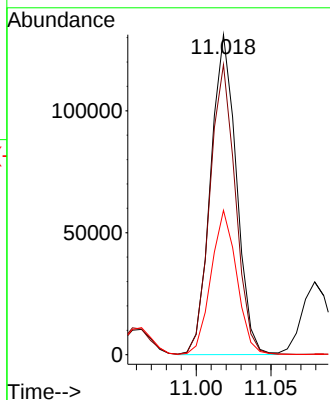
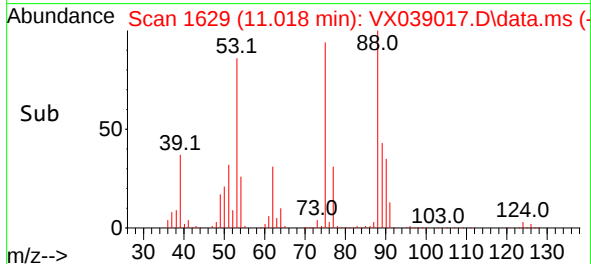
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150



Tgt Ion: 75 Resp: 15742  
Ion Ratio Lower Upper  
75 100  
53 90.6 46.9 140.8  
89 45.1 21.3 63.7

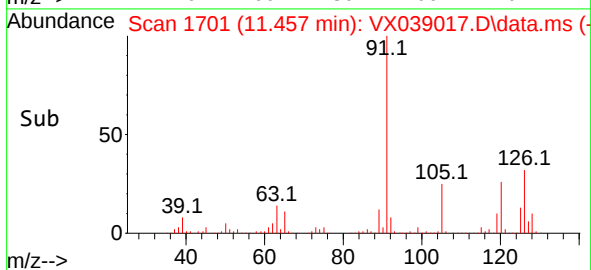
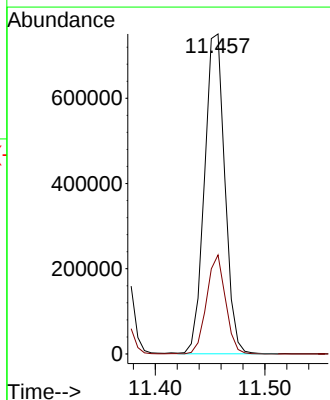
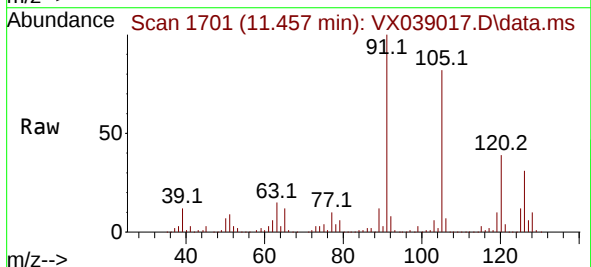
Manual Integrations  
APPROVED

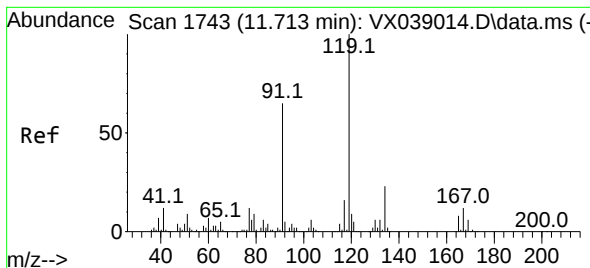
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#78  
4-Chlorotoluene  
Concen: 136.915 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

Tgt Ion: 91 Resp: 966719  
Ion Ratio Lower Upper  
91 100  
126 28.8 0.0 57.4





#79

tert-butylbenzene

Concen: 139.407 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:119 Resp: 95411

Ion Ratio Lower Upper

119 100

91 62.1 0.0 125.6

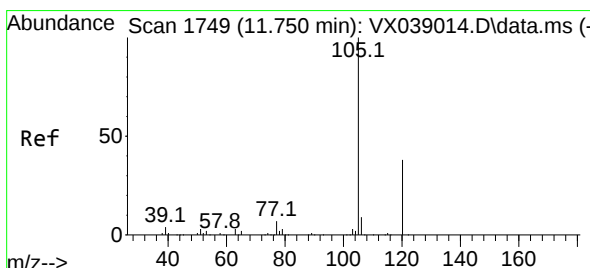
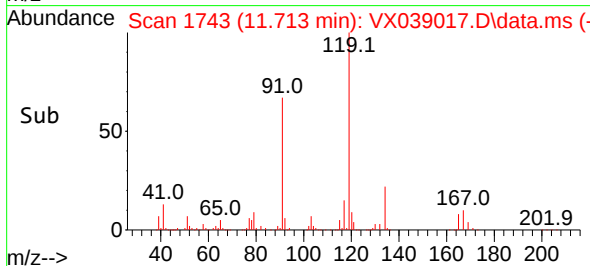
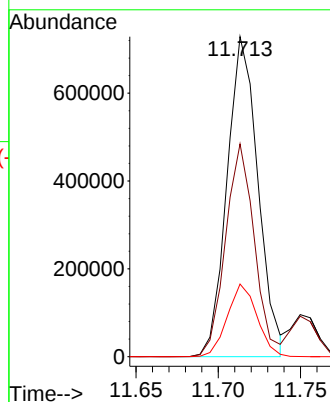
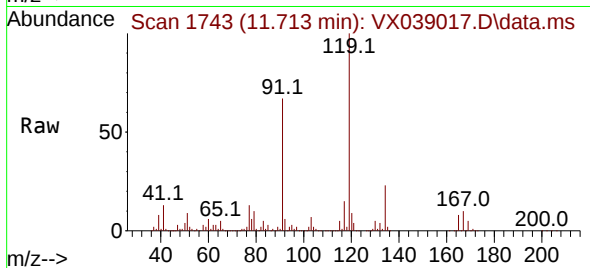
134 21.8 0.0 43.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#80

1,2,4-Trimethylbenzene

Concen: 139.843 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX039017.D

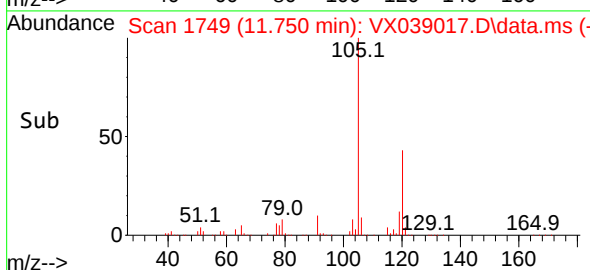
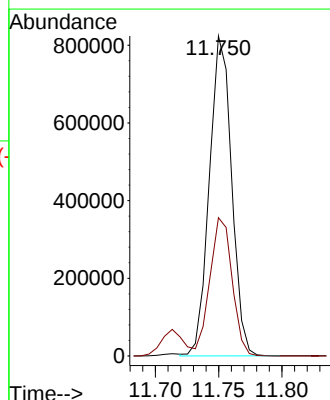
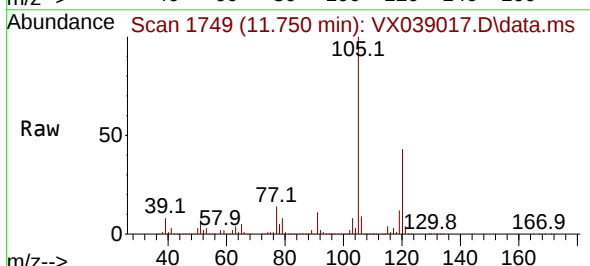
Acq: 24 Nov 2023 10:53

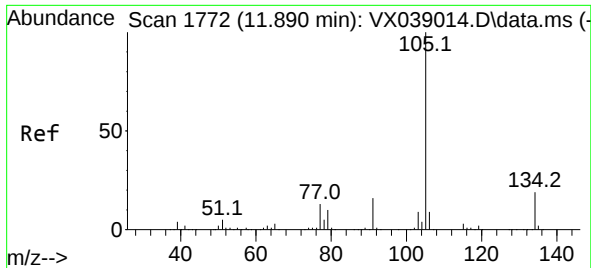
Tgt Ion:105 Resp: 1007365

Ion Ratio Lower Upper

105 100

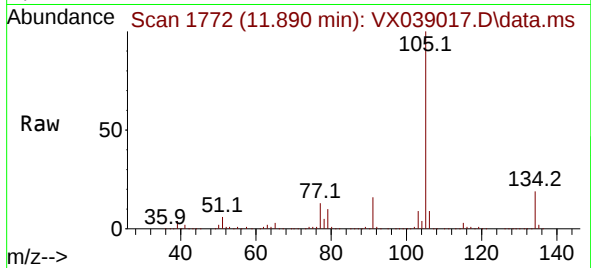
120 43.0 0.0 86.4





#81  
 sec-Butylbenzene  
 Concen: 139.916 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.000 min  
 Lab File: VX039017.D  
 Acq: 24 Nov 2023 10:53

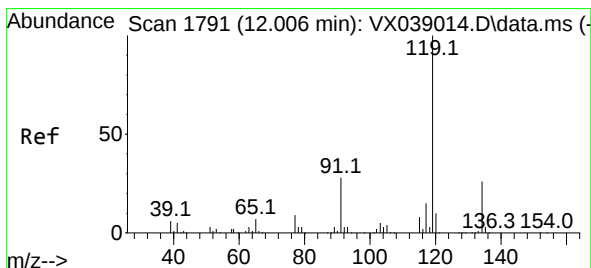
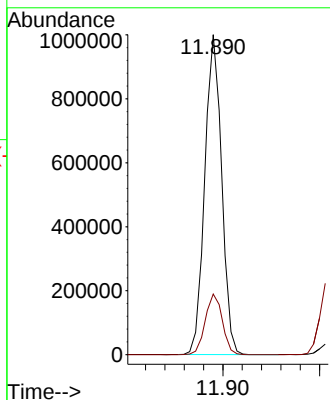
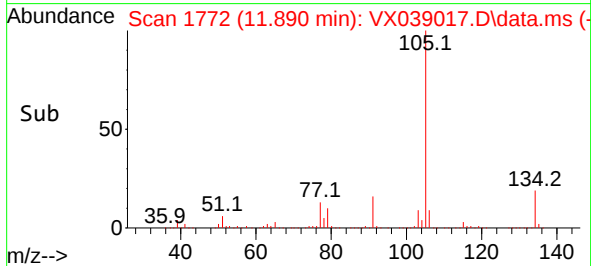
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150



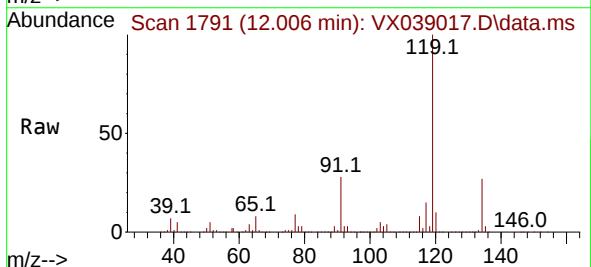
Tgt Ion:105 Resp: 121056  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 0.0 38.4

Manual Integrations  
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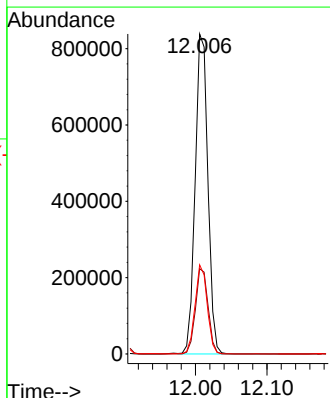
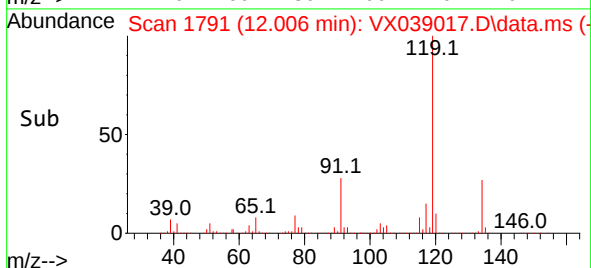
Reviewed By :John Carlone 11/27/2023  
 Supervised By :Mahesh Dadoda 11/27/2023

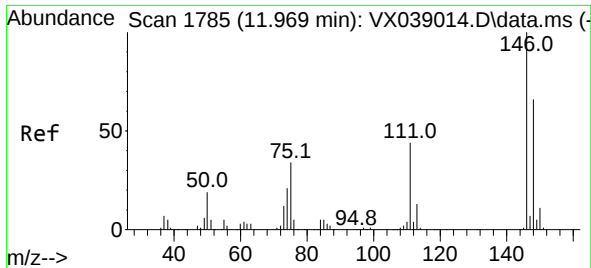


#82  
 p-Isopropyltoluene  
 Concen: 140.575 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. -0.000 min  
 Lab File: VX039017.D  
 Acq: 24 Nov 2023 10:53



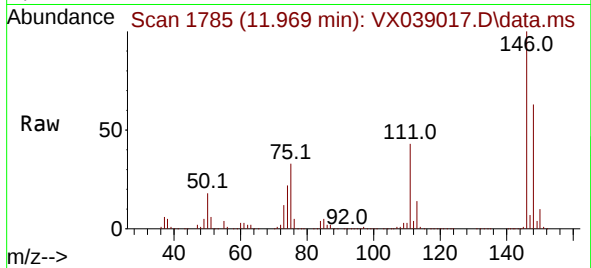
Tgt Ion:119 Resp: 1030819  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 0.0 52.6  
 91 26.7 0.0 54.2





#83  
1,3-Dichlorobenzene  
Concen: 140.059 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

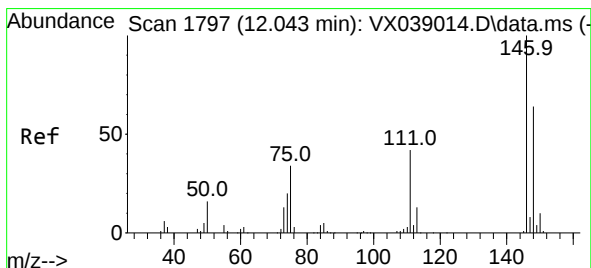
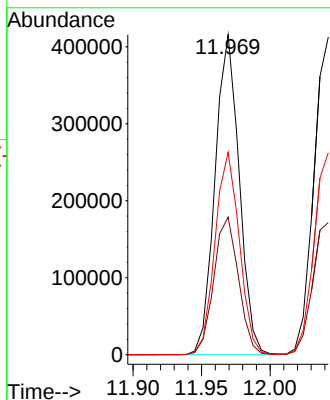
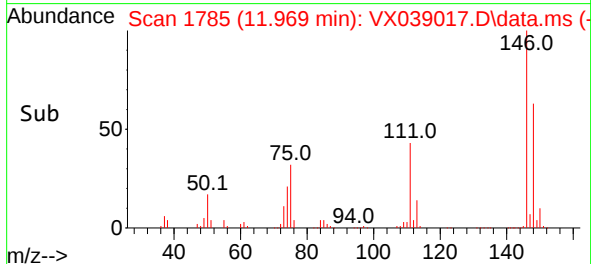
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150



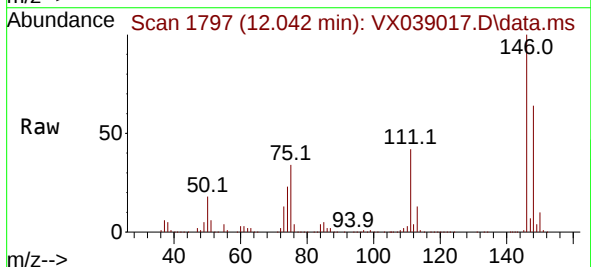
Tgt Ion:146 Resp: 50984  
Ion Ratio Lower Upper  
146 100  
111 43.7 22.3 66.9  
148 63.7 32.8 98.3

Manual Integrations  
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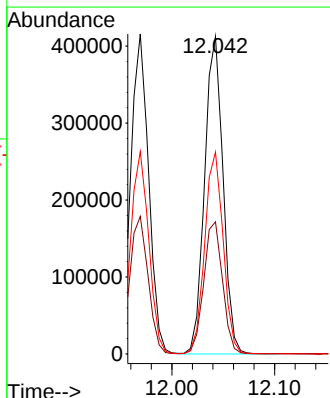
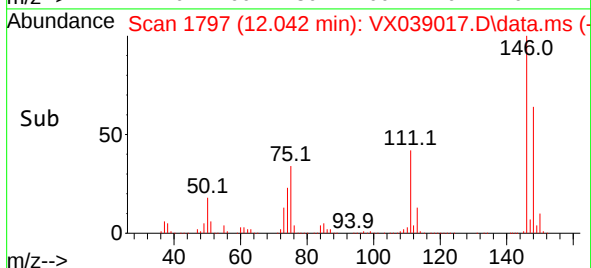
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023

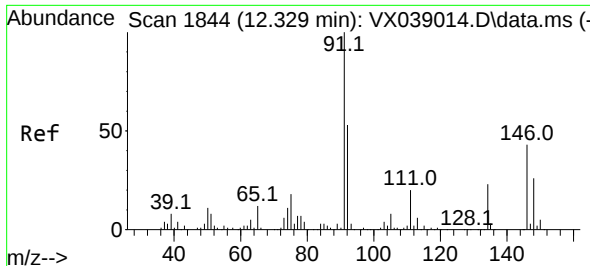


#84  
1,4-Dichlorobenzene  
Concen: 138.023 ug/l  
RT: 12.042 min Scan# 1797  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53



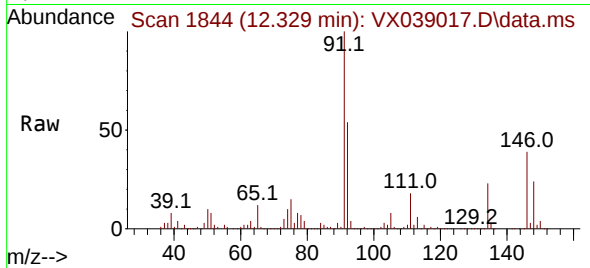
Tgt Ion:146 Resp: 515536  
Ion Ratio Lower Upper  
146 100  
111 42.3 21.4 64.2  
148 63.7 31.8 95.4





#85  
n-Butylbenzene  
Concen: 141.354 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

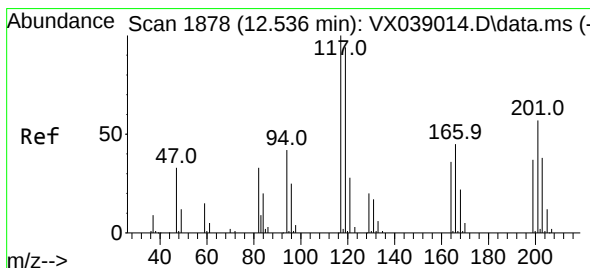
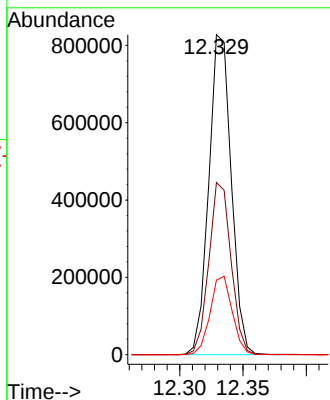
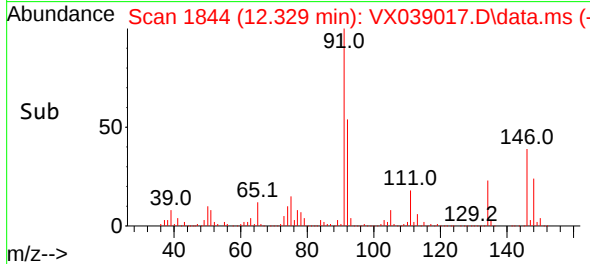
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150



Tgt Ion: 91 Resp: 102354  
Ion Ratio Lower Upper  
91 100  
92 53.2 0.0 106.2  
134 24.1 0.0 48.8

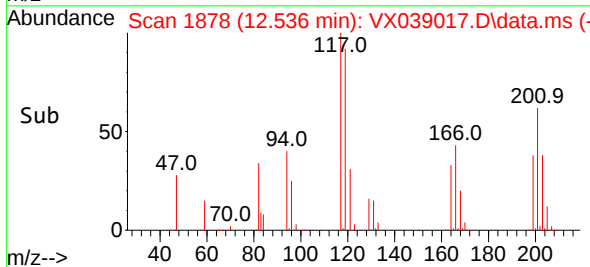
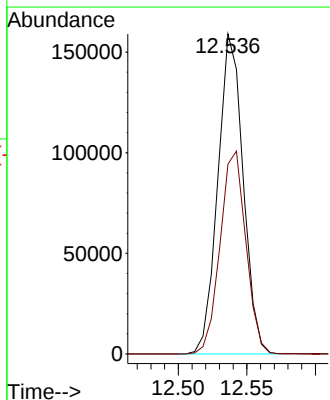
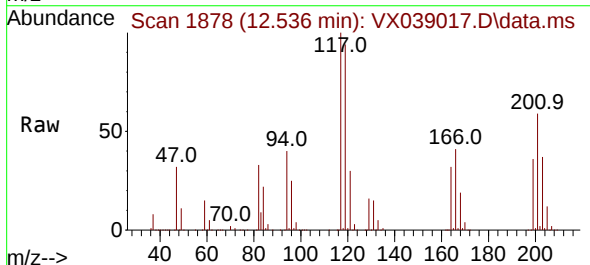
Manual Integrations  
APPROVED

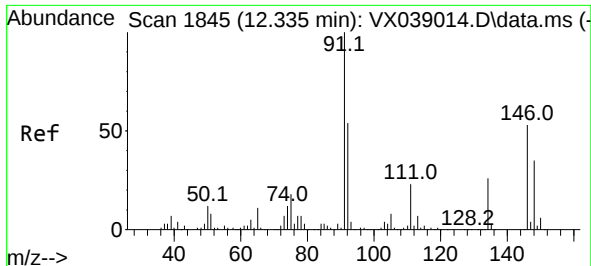
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#86  
Hexachloroethane  
Concen: 146.491 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

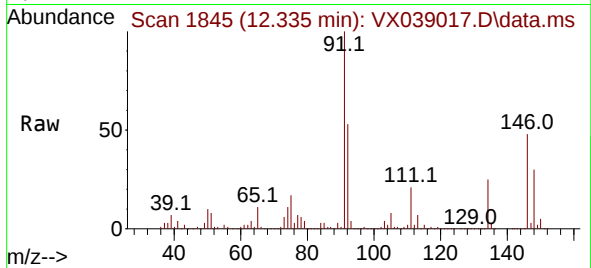
Tgt Ion:117 Resp: 203535  
Ion Ratio Lower Upper  
117 100  
201 64.8 31.8 95.3





#87  
1,2-Dichlorobenzene  
Concen: 136.913 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

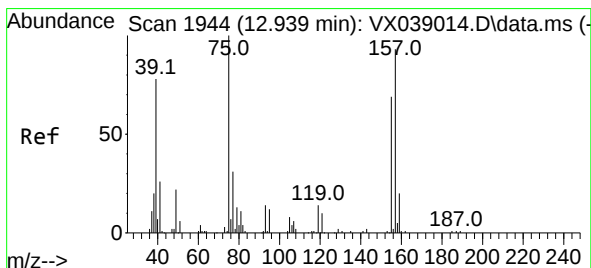
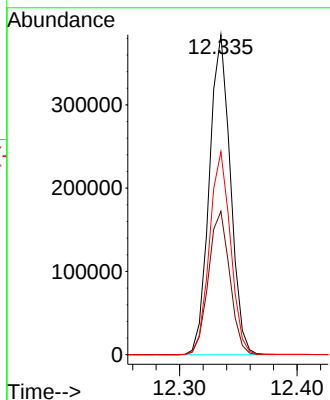
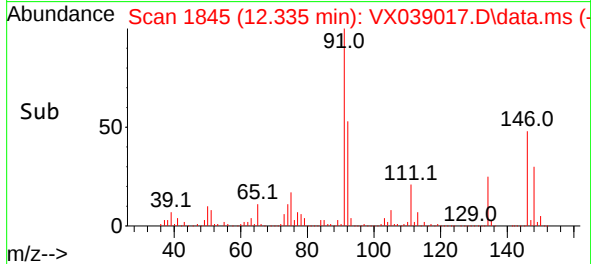
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150



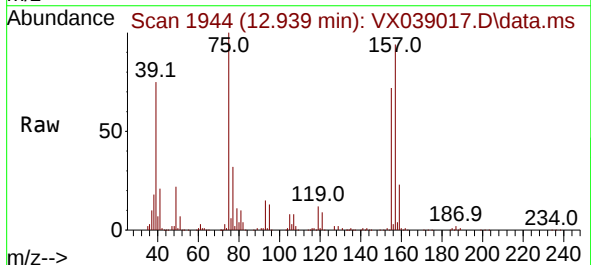
Tgt Ion:146 Resp: 479259  
Ion Ratio Lower Upper  
146 100  
111 45.2 22.4 67.2  
148 63.3 31.9 95.7

Manual Integrations  
APPROVED

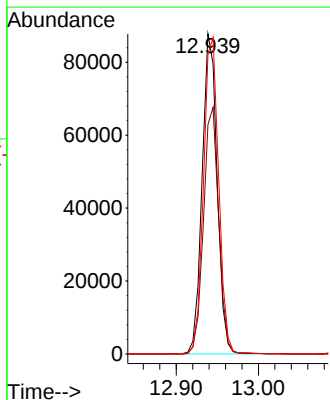
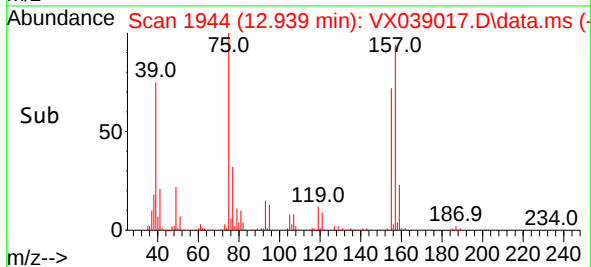
Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023

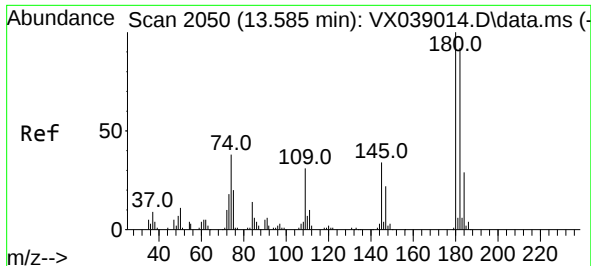


#88  
1,2-Dibromo-3-Chloropropane  
Concen: 139.554 ug/l  
RT: 12.939 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53



Tgt Ion: 75 Resp: 111317  
Ion Ratio Lower Upper  
75 100  
155 78.0 58.2 87.4  
157 99.8 76.5 114.7





#89

1,2,4-Trichlorobenzene

Concen: 140.287 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 325580

Ion Ratio Lower Upper

180 100

182 94.9 74.5 111.7

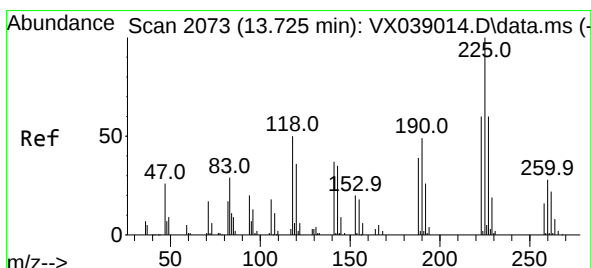
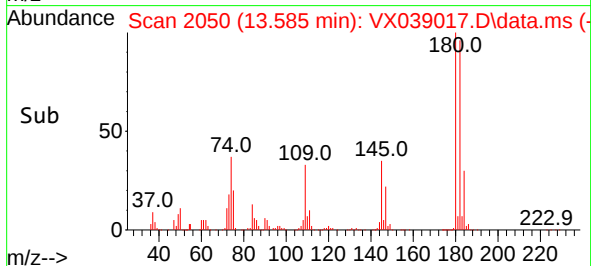
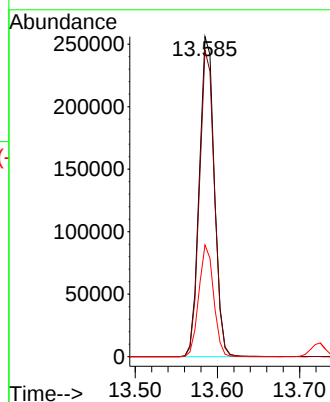
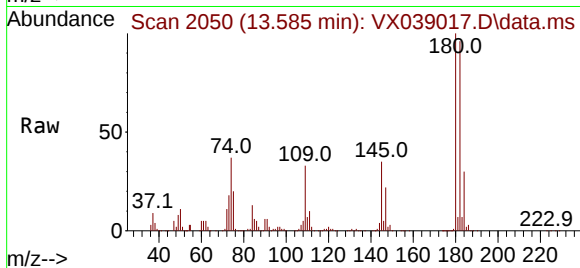
145 34.3 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/27/2023

Supervised By :Mahesh Dadoda 11/27/2023



#90

Hexachlorobutadiene

Concen: 139.976 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX039017.D

Acq: 24 Nov 2023 10:53

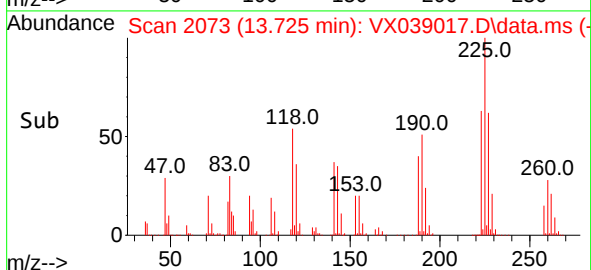
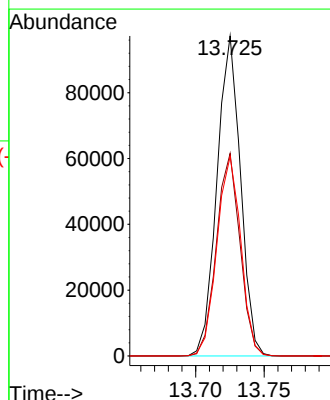
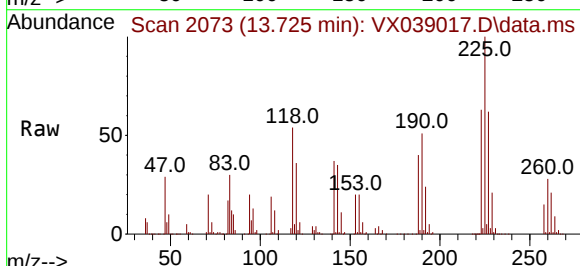
Tgt Ion:225 Resp: 115996

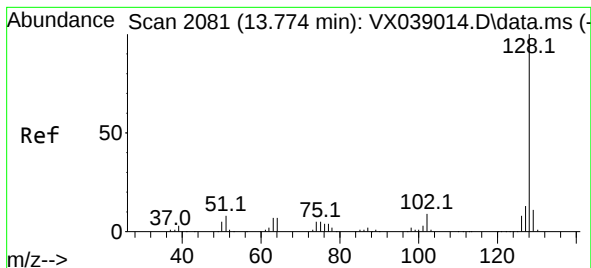
Ion Ratio Lower Upper

225 100

223 63.4 0.0 124.4

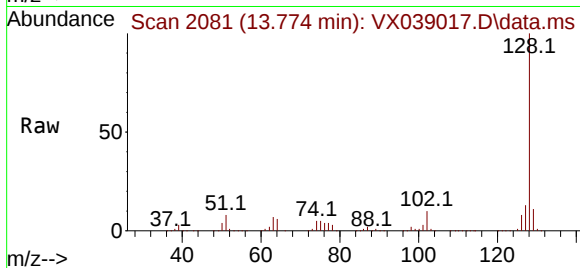
227 63.3 0.0 124.4





#91  
Naphthalene  
Concen: 140.098 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53

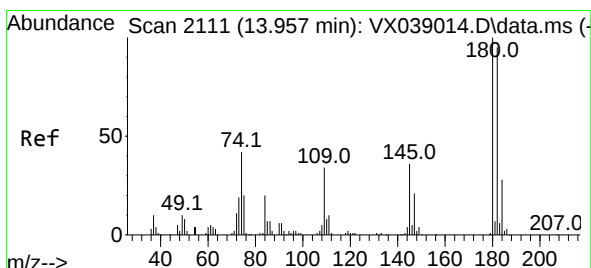
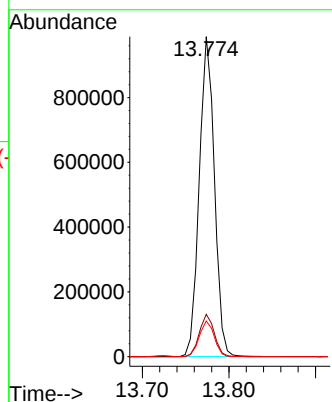
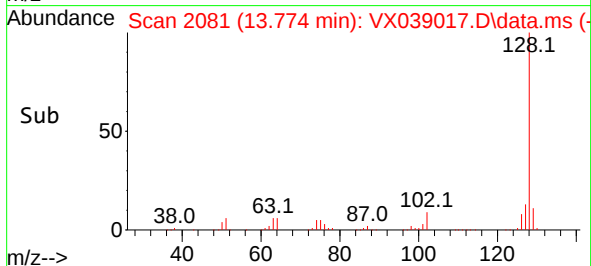
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150



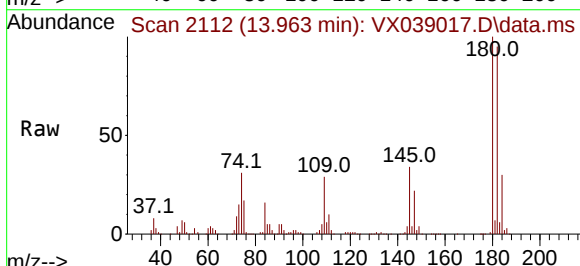
Tgt Ion:128 Resp: 1199120  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.2 15.2  
129 11.1 8.6 12.8

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/27/2023  
Supervised By :Mahesh Dadoda 11/27/2023



#92  
1,2,3-Trichlorobenzene  
Concen: 141.307 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.006 min  
Lab File: VX039017.D  
Acq: 24 Nov 2023 10:53



Tgt Ion:180 Resp: 317654  
Ion Ratio Lower Upper  
180 100  
182 94.6 0.0 191.6  
145 36.0 0.0 69.6

