

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052323\  
 Data File : VX035806.D  
 Acq On : 23 May 2023 10:29  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/25/2023  
 Supervised By : Mahesh Dadoda 05/25/2023

Quant Time: May 23 11:19:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X052323W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue May 23 11:17:24 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                        |                |      |            |           |        |          |
| Internal Standards           |                |      |            |           |        |          |
| 1) Bromochloromethane        | 4.897          | 128  | 36474      | 30.000    | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.763          | 114  | 214369     | 30.000    | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055         | 117  | 191147     | 30.000    | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |           |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.952          | 65   | 92410      | 27.044    | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 90.133%#  |        |          |
| 60) 4-Bromofluorobenzene     | 11.079         | 95   | 96940      | 26.027    | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 86.767%   |        |          |
| 63) Toluene-d8               | 8.646          | 98   | 255936     | 37.180    | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 123.933%# |        |          |
| Target Compounds             |                |      |            |           |        |          |
|                              |                |      |            |           | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 209073     | 68.464    | ug/l   | 99       |
| 3) Chloromethane             | 1.294          | 50   | 231346     | 58.029    | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.373          | 62   | 222399     | 56.671    | ug/l   | 97       |
| 5) Bromomethane              | 1.617          | 94   | 140729     | 54.147    | ug/l   | 98       |
| 6) Chloroethane              | 1.690          | 64   | 143861     | 56.106    | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.885          | 101  | 362024     | 58.459    | ug/l   | 100      |
| 8) Diethyl Ether             | 2.129          | 74   | 132951     | 57.942    | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.324          | 101  | 196022     | 62.177    | ug/l   | 99       |
| 10) 1,1-Dichloroethene       | 2.318          | 96   | 190039     | 58.470    | ug/l   | 99       |
| 11) Methyl Iodide            | 2.452          | 142  | 240033     | 57.907    | ug/l   | 95       |
| 12) Methyl Acetate           | 2.708          | 43   | 529458     | 70.865    | ug/l   | 100      |
| 13) Acrolein                 | 2.239          | 56   | 196404     | 239.950   | ug/l   | 99       |
| 14) Acrylonitrile            | 3.068          | 53   | 645720     | 319.243   | ug/l   | 99       |
| 15) Acetone                  | 2.404          | 58   | 177983     | 318.107   | ug/l   | 97       |
| 16) Carbon Disulfide         | 2.513          | 76   | 428778     | 52.210    | ug/l   | 99       |
| 17) Allyl chloride           | 2.660          | 41   | 389839     | 61.387    | ug/l   | 98       |
| 18) Methylene Chloride       | 2.788          | 84   | 235725     | 60.841    | ug/l   | 98       |
| 19) trans-1,2-Dichloroethene | 3.092          | 96   | 209356     | 58.159    | ug/l   | 96       |
| 20) Diisopropyl ether        | 3.757          | 45   | 802494     | 61.462    | ug/l   | 98       |
| 21) 1,1-Dichloroethane       | 3.605          | 63   | 429461     | 61.630    | ug/l   | 100      |
| 22) cis-1,2-Dichloroethene   | 4.489          | 96   | 261860     | 62.319    | ug/l   | 98       |
| 23) tert-Butyl Alcohol       | 3.086          | 59   | 234359m    | 261.623   | ug/l   |          |
| 24) Methyl tert-Butyl Ether  | 3.111          | 73   | 747114     | 60.994    | ug/l   | 97       |
| 25) Chloroform               | 5.092          | 83   | 434579     | 61.061    | ug/l   | 99       |
| 26) Cyclohexane              | 5.470          | 56   | 347666     | 58.536    | ug/l # | 96       |
| 29) 1,1-Dichloropropene      | 5.690          | 75   | 310375     | 68.497    | ug/l   | 100      |
| 30) 2-Butanone               | 4.568          | 43   | 949639     | 365.675   | ug/l   | 100      |
| 31) 2,2-Dichloropropane      | 4.476          | 77   | 340705     | 73.485    | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 362061     | 68.103    | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 5.677          | 117  | 299269     | 68.516    | ug/l   | 96       |
| 34) Benzene                  | 6.037          | 78   | 921874     | 69.162    | ug/l   | 99       |
| 35) Methacrylonitrile        | 4.921          | 41   | 208256     | 73.493    | ug/l   | 97       |
| 36) 1,2-Dichloroethane       | 6.086          | 62   | 360762     | 68.598    | ug/l   | 100      |
| 37) Trichloroethene          | 7.122          | 130  | 233295     | 68.602    | ug/l   | 94       |
| 38) Methylcyclohexane        | 7.378          | 83   | 370811     | 76.953    | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 7.427          | 63   | 249543     | 71.551    | ug/l   | 99       |
| 40) Dibromomethane           | 7.580          | 93   | 172600     | 72.250    | ug/l   | 98       |
| 41) Bromodichloromethane     | 7.823          | 83   | 326269     | 72.564    | ug/l   | 99       |
| 42) Vinyl Acetate            | 3.720          | 43   | 2882668    | 348.504   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052323\  
 Data File : VX035806.D  
 Acq On : 23 May 2023 10:29  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/25/2023  
 Supervised By : Mahesh Dadoda 05/25/2023

Quant Time: May 23 11:19:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X052323W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue May 23 11:17:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 43) Ethyl Acetate             | 4.714  | 43   | 363960   | 73.100   | ug/l   | 99       |
| 44) Isopropyl Acetate         | 6.342  | 43   | 613714   | 72.881   | ug/l   | 99       |
| 45) 1,4-Dioxane               | 7.744  | 88   | 111403   | 1335.259 | ug/l # | 82       |
| 46) Methyl methacrylate       | 7.689  | 41   | 301166   | 73.266   | ug/l   | 98       |
| 47) n-amyl Acetate            | 10.841 | 43   | 527367   | 72.082   | ug/l   | 98       |
| 48) t-1,3-Dichloropropene     | 8.976  | 75   | 375068   | 76.311   | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 398830   | 73.830   | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 9.152  | 97   | 241995   | 72.056   | ug/l   | 97       |
| 51) Ethyl methacrylate        | 9.116  | 69   | 393381   | 73.049   | ug/l   | 99       |
| 52) 1,3-Dichloropropane       | 9.311  | 76   | 418051   | 70.718   | ug/l   | 99       |
| 53) Dibromochloromethane      | 9.524  | 129  | 244089   | 74.146   | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 253644   | 70.777   | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether | 8.244  | 63   | 1011923  | 355.116  | ug/l   | 99       |
| 56) Bromoform                 | 10.798 | 173  | 163448   | 72.225   | ug/l   | 97       |
| 58) 4-Methyl-2-Pentanone      | 8.579  | 43   | 1828754  | 431.835  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 1349758  | 421.265  | ug/l   | 100      |
| 61) Tetrachloroethene         | 9.274  | 164  | 187502   | 76.929   | ug/l   | 98       |
| 62) Toluene                   | 8.720  | 91   | 973591   | 81.258   | ug/l   | 99       |
| 64) Chlorobenzene             | 10.079 | 112  | 611073   | 82.246   | ug/l   | 100      |
| 65) 1,1,1,2-Tetrachloroethane | 10.164 | 131  | 226290   | 85.777   | ug/l   | 98       |
| 66) Ethyl Benzene             | 10.195 | 91   | 1115424  | 83.698   | ug/l   | 99       |
| 67) m/p-Xylenes               | 10.305 | 106  | 832460   | 163.343  | ug/l   | 97       |
| 68) o-Xylene                  | 10.640 | 106  | 414247   | 82.120   | ug/l   | 99       |
| 69) Styrene                   | 10.652 | 104  | 702491   | 84.277   | ug/l   | 99       |
| 70) Isopropylbenzene          | 10.963 | 105  | 1090702  | 83.910   | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 367170   | 84.873   | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 11.237 | 75   | 340147m  | 87.794   | ug/l   |          |
| 73) Bromobenzene              | 11.195 | 156  | 257428   | 82.083   | ug/l   | 95       |
| 74) n-propylbenzene           | 11.304 | 91   | 1319447  | 86.865   | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 11.365 | 91   | 791550   | 83.486   | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 925731   | 84.348   | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 115805   | 96.378   | ug/l   | 93       |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 903941   | 82.897   | ug/l   | 100      |
| 79) tert-butylbenzene         | 11.713 | 119  | 908629   | 86.785   | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 11.749 | 105  | 925164   | 84.433   | ug/l   | 99       |
| 81) sec-Butylbenzene          | 11.890 | 105  | 1170500  | 92.077   | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 12.012 | 119  | 971547   | 90.415   | ug/l   | 100      |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 492005   | 82.962   | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 12.042 | 146  | 485963   | 81.390   | ug/l   | 98       |
| 85) n-Butylbenzene            | 12.329 | 91   | 898664   | 97.196   | ug/l   | 99       |
| 86) Hexachloroethane          | 12.542 | 117  | 163351   | 93.015   | ug/l   | 96       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 463499   | 79.677   | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.944 | 75   | 77343    | 82.553   | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 298868   | 85.969   | ug/l   | 99       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 115100   | 88.519   | ug/l   | 96       |
| 91) Naphthalene               | 13.774 | 128  | 1031044  | 84.438   | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 295079   | 85.295   | ug/l   | 99       |

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

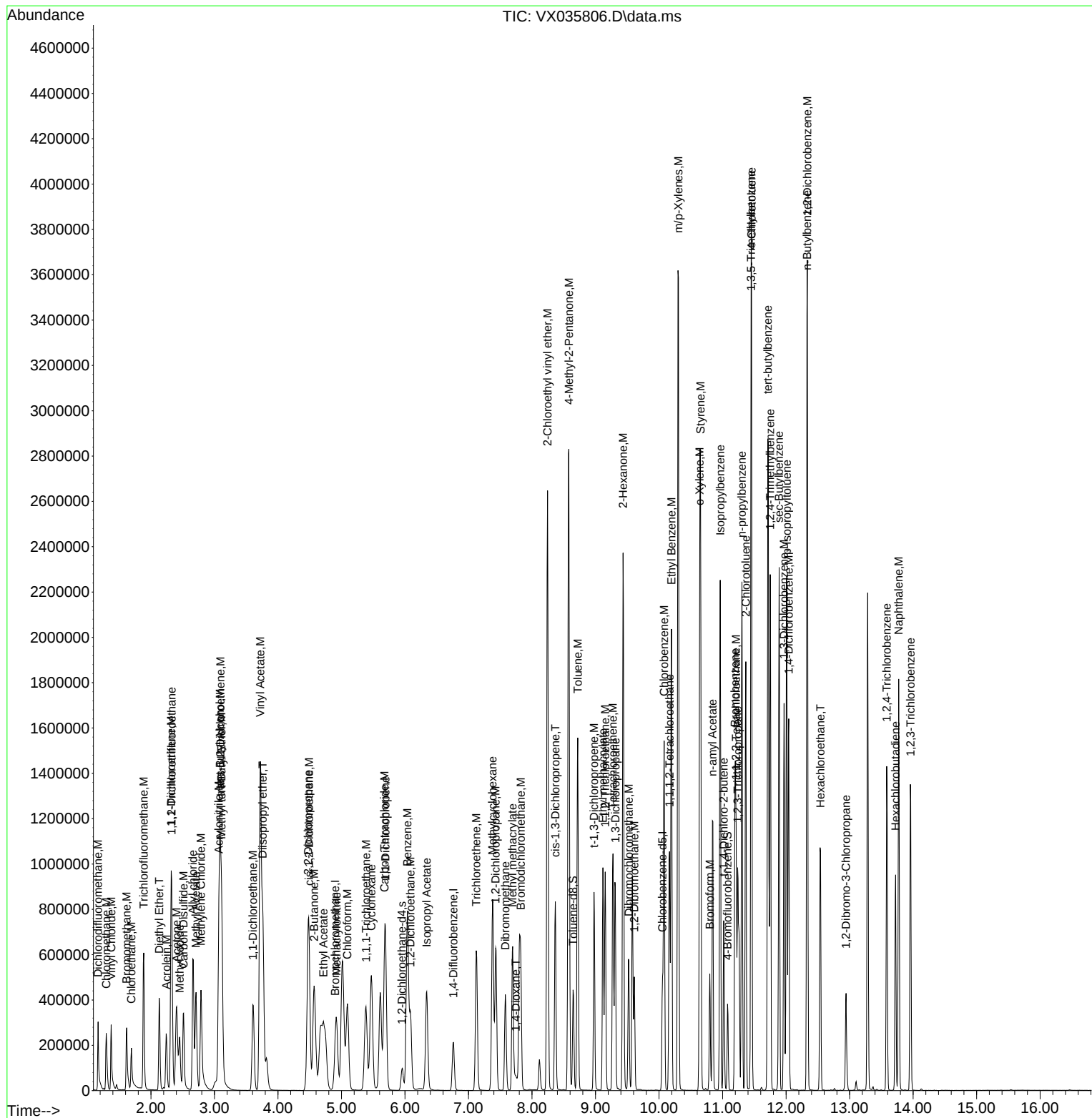
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Data File : VX035806.D  
Acq On : 23 May 2023 10:29  
Operator : JC/MD  
Sample : VSTDIC100  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

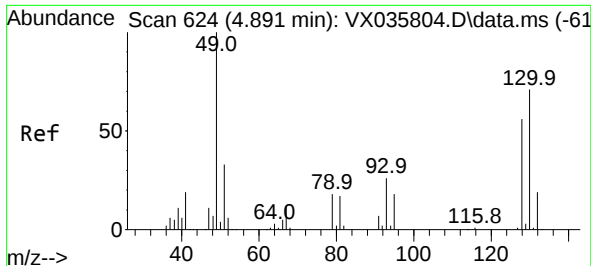
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023

Quant Time: May 23 11:19:08 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X052323W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue May 23 11:17:24 2023  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.897 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX035806.D

Acq: 23 May 2023 10:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

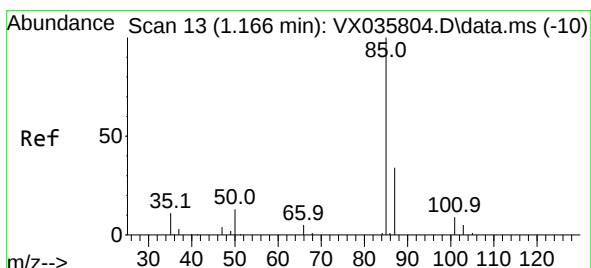
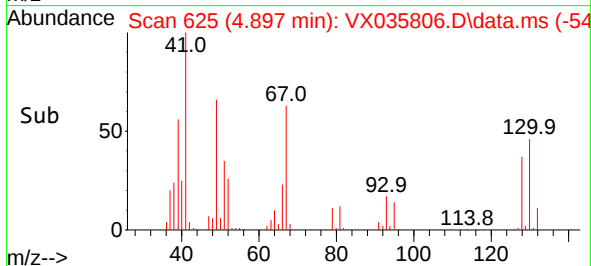
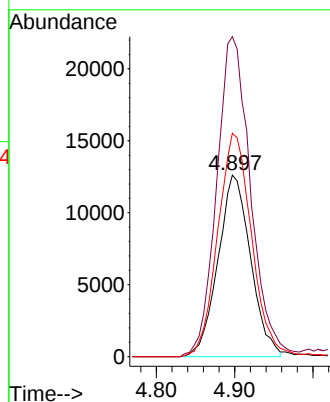
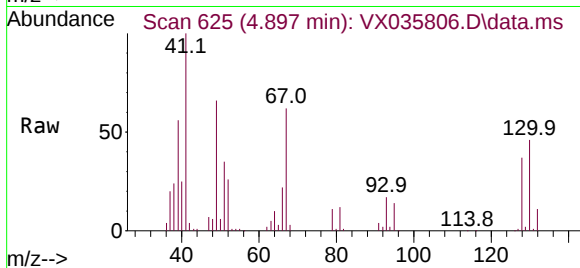
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|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 36474 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 183.2 | 0.0   | 428.8 |
| 130      | 128.1 | 0.0   | 310.8 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#2

Dichlorodifluoromethane

Concen: 68.464 ug/l

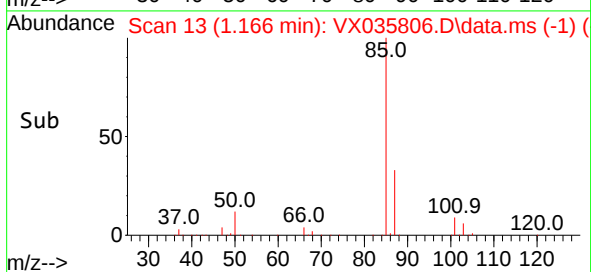
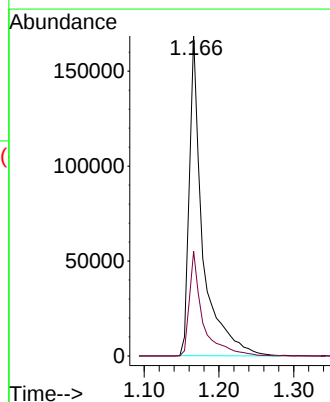
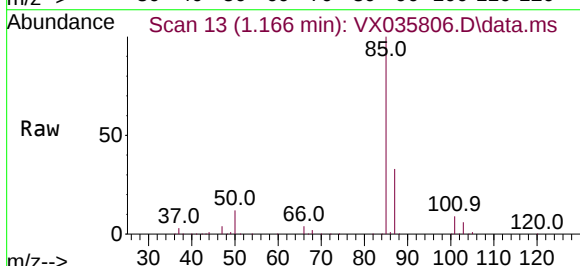
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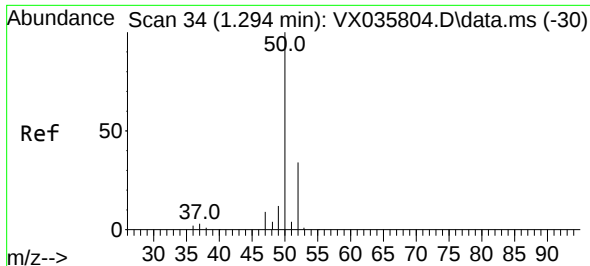
Delta R.T. -0.000 min

Lab File: VX035806.D

Acq: 23 May 2023 10:29

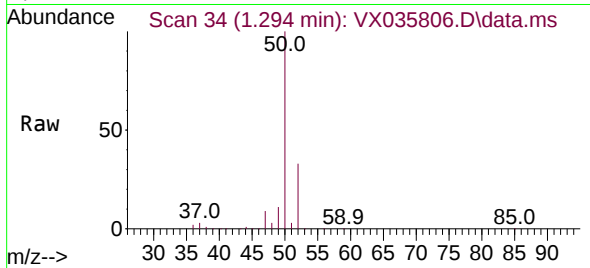
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 85    | Resp: | 209073 |
| Ion      | Ratio | Lower | Upper  |
| 85       | 100   |       |        |
| 87       | 32.7  | 16.0  | 48.0   |





#3  
Chloromethane  
Concen: 58.029 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

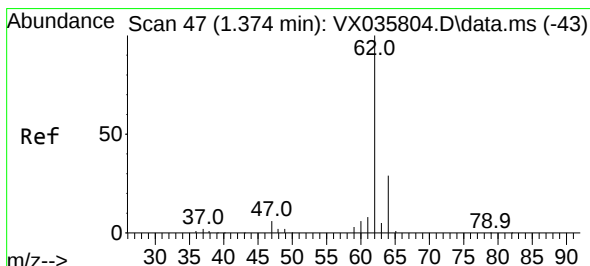
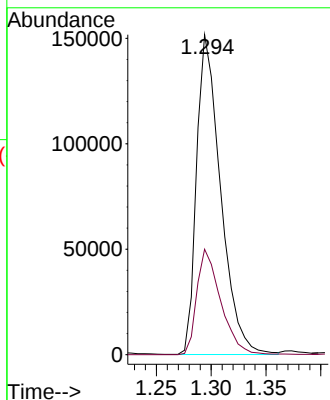
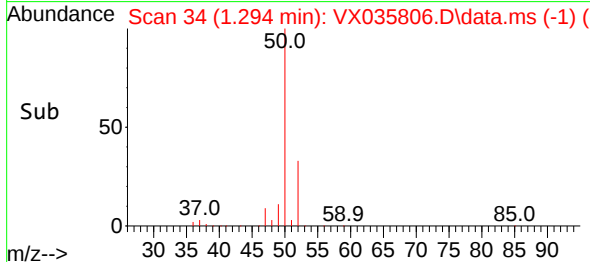
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion: 50 Resp: 231340  
Ion Ratio Lower Upper  
50 100  
52 33.0 24.6 36.8

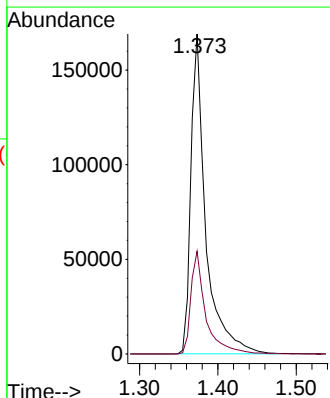
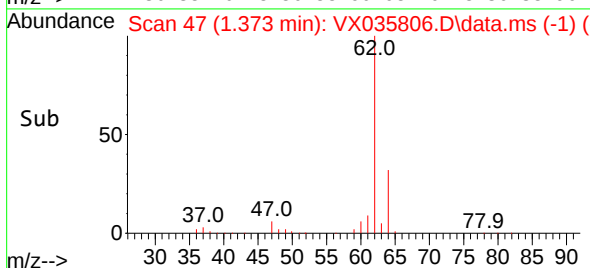
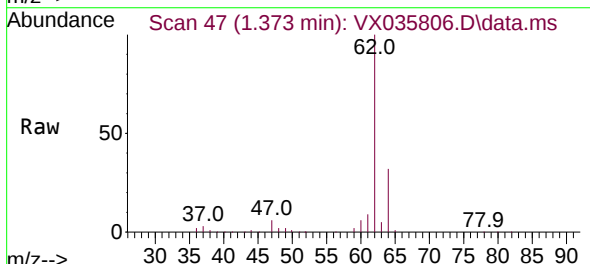
Manual Integrations  
APPROVED

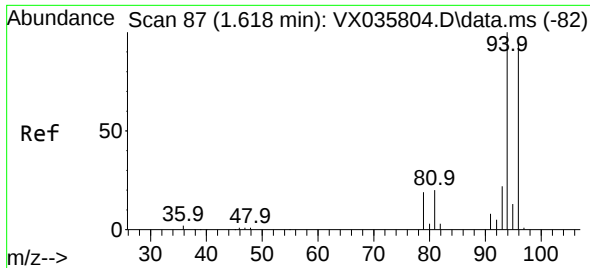
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#4  
Vinyl Chloride  
Concen: 56.671 ug/l  
RT: 1.373 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

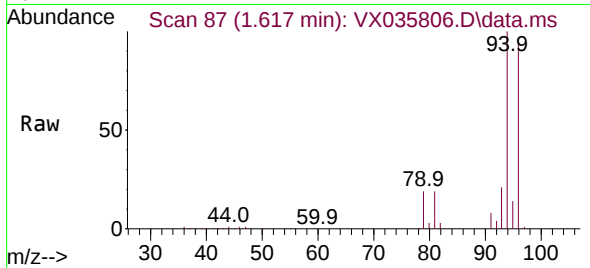
Tgt Ion: 62 Resp: 222399  
Ion Ratio Lower Upper  
62 100  
64 32.1 26.9 40.3





#5  
Bromomethane  
Concen: 54.147 ug/l  
RT: 1.617 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

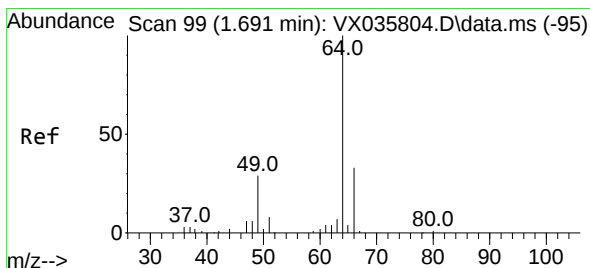
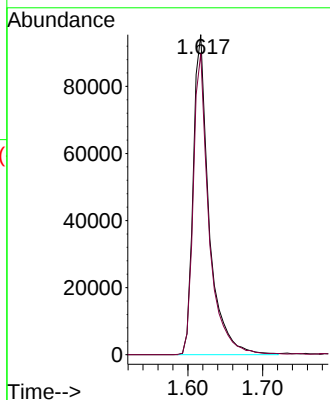
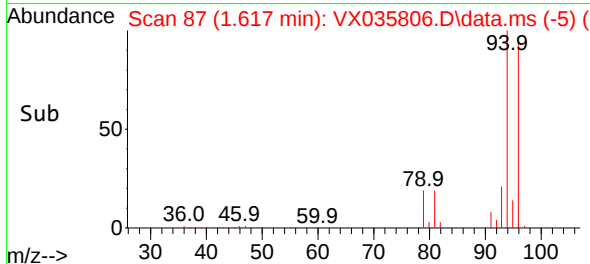
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion: 94 Resp: 140729  
Ion Ratio Lower Upper  
94 100  
96 94.0 73.4 110.0

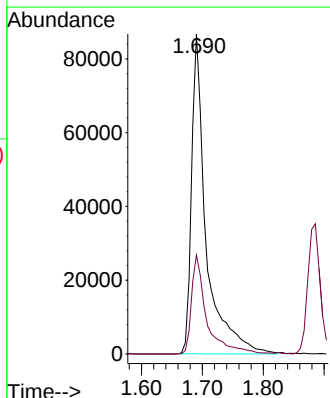
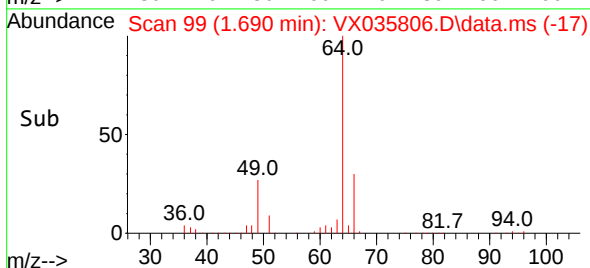
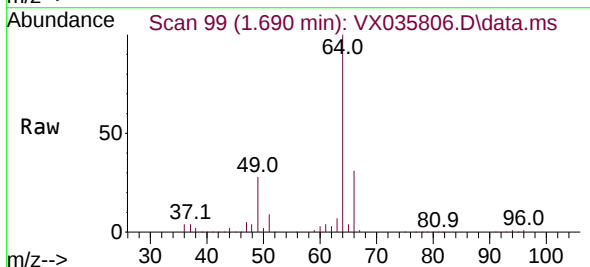
Manual Integrations  
APPROVED

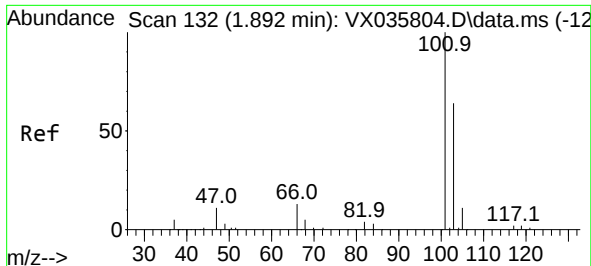
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#6  
Chloroethane  
Concen: 56.106 ug/l  
RT: 1.690 min Scan# 99  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Tgt Ion: 64 Resp: 143861  
Ion Ratio Lower Upper  
64 100  
66 30.9 26.6 40.0





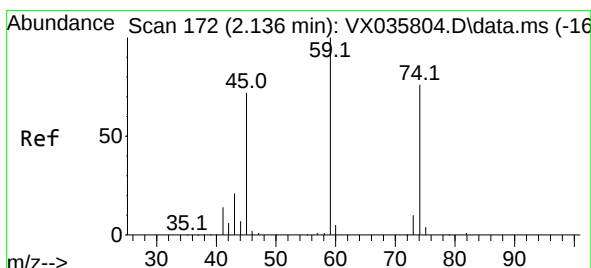
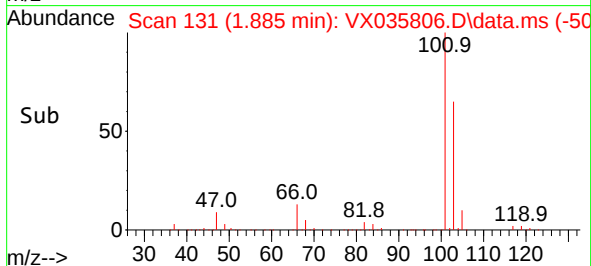
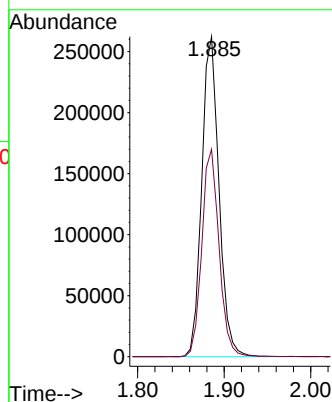
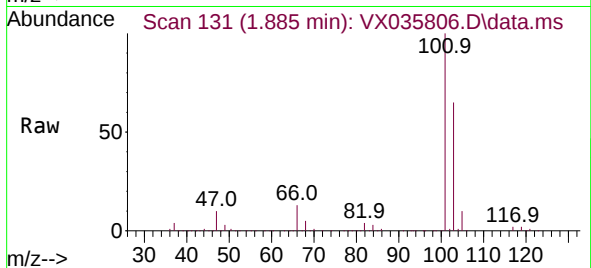
#7  
Trichlorofluoromethane  
Concen: 58.459 ug/l  
RT: 1.885 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion:101 Resp: 362024  
Ion Ratio Lower Upper  
101 100  
103 64.8 52.1 78.1

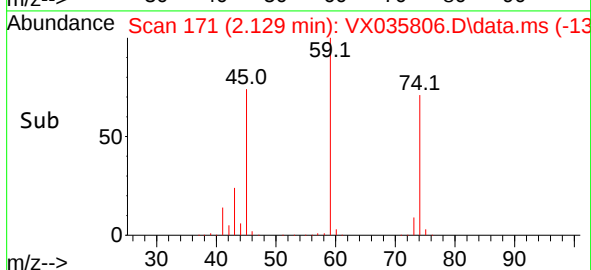
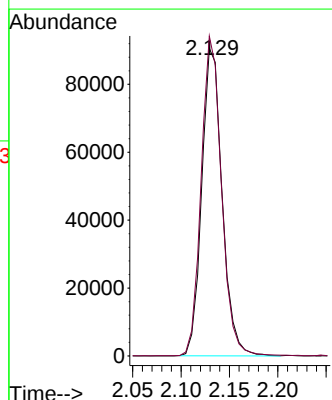
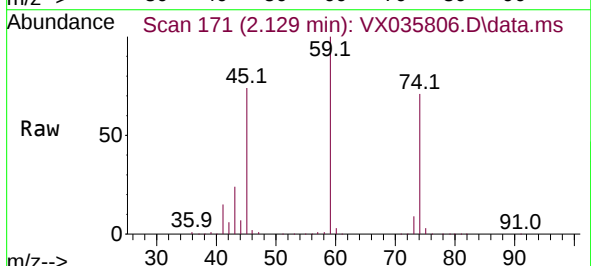
Manual Integrations  
APPROVED

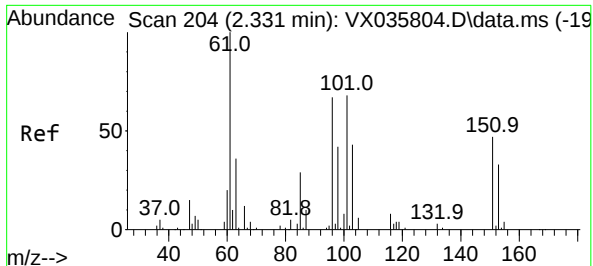
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#8  
Diethyl Ether  
Concen: 57.942 ug/l  
RT: 2.129 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

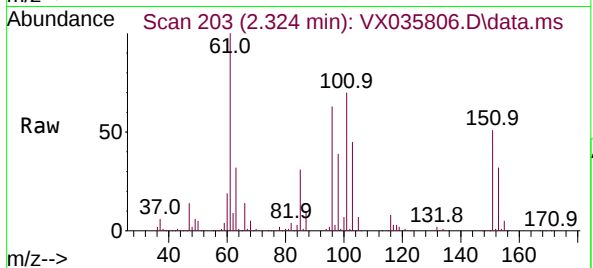
Tgt Ion: 74 Resp: 132951  
Ion Ratio Lower Upper  
74 100  
45 103.1 20.5 184.5





#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 62.177 ug/l  
RT: 2.324 min Scan# 203  
Delta R.T. -0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

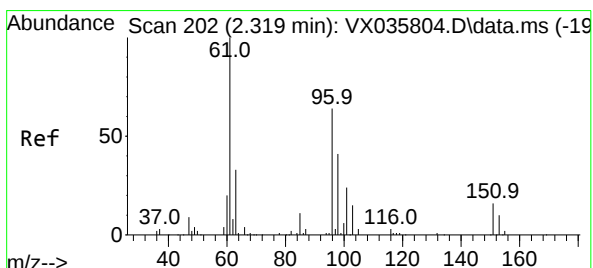
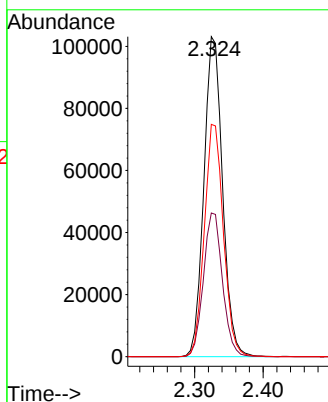
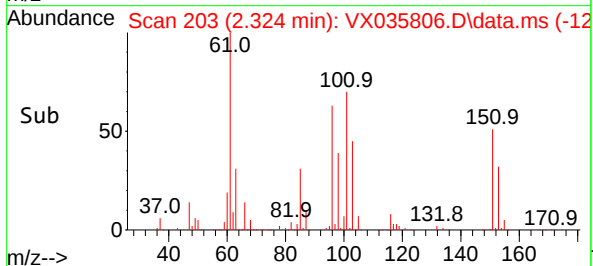
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100



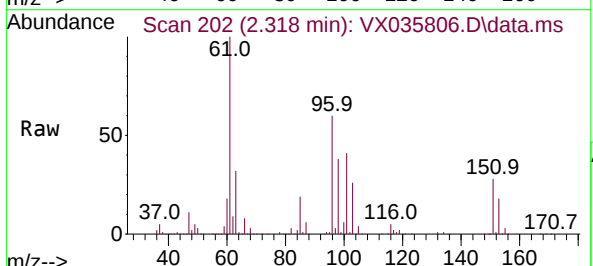
Tgt Ion:101 Resp: 19602  
Ion Ratio Lower Upper  
101 100  
85 45.7 0.0 88.8  
151 74.1 0.0 147.6

Manual Integrations  
APPROVED

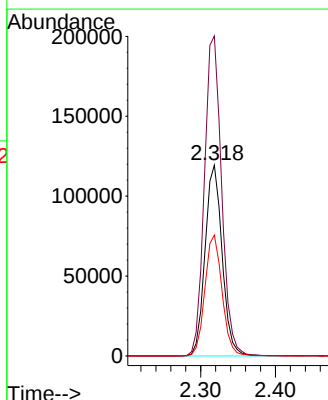
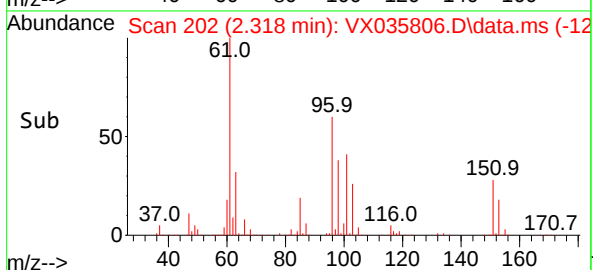
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023

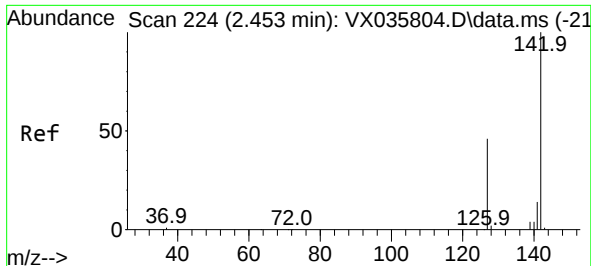


#10  
1,1-Dichloroethene  
Concen: 58.470 ug/l  
RT: 2.318 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29



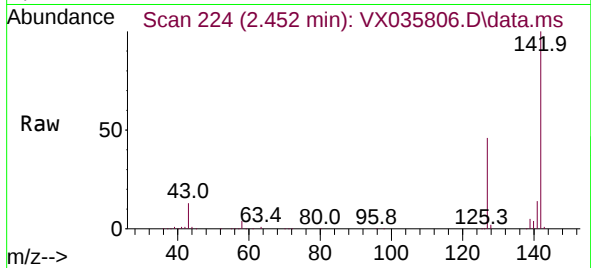
Tgt Ion: 96 Resp: 190039  
Ion Ratio Lower Upper  
96 100  
61 167.7 135.8 203.6  
98 63.4 49.8 74.6





#11  
Methyl Iodide  
Concen: 57.907 ug/l  
RT: 2.452 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

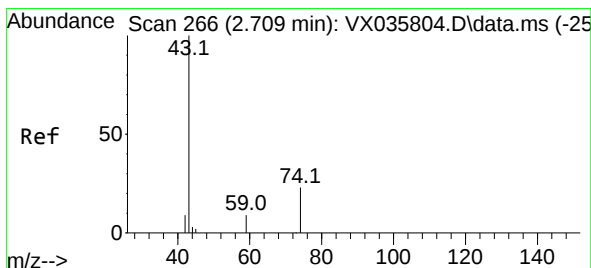
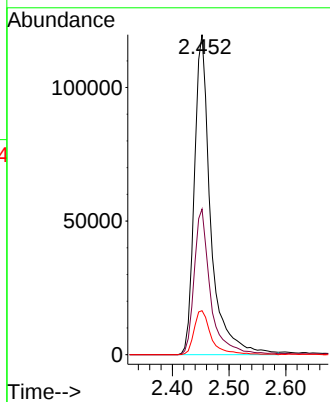
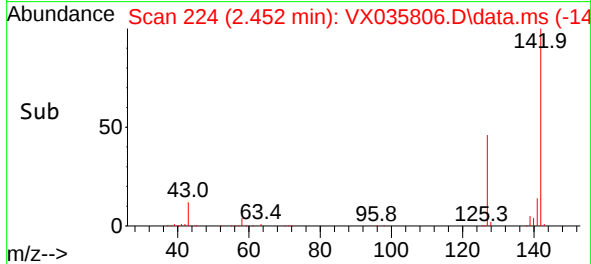
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100



Tgt Ion:142 Resp: 24003  
Ion Ratio Lower Upper  
142 100  
127 45.5 24.5 73.5  
141 13.8 7.6 22.8

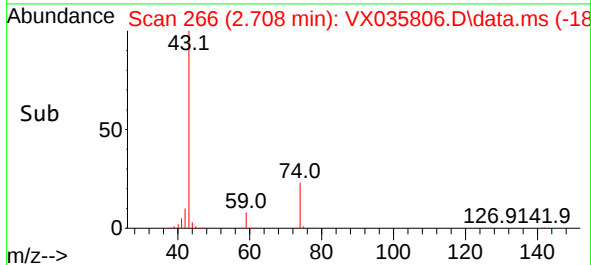
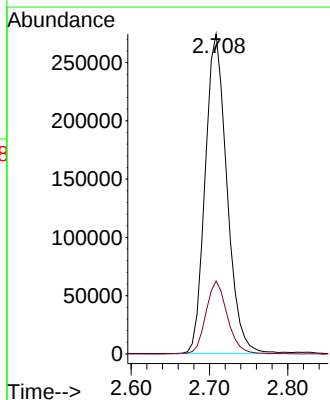
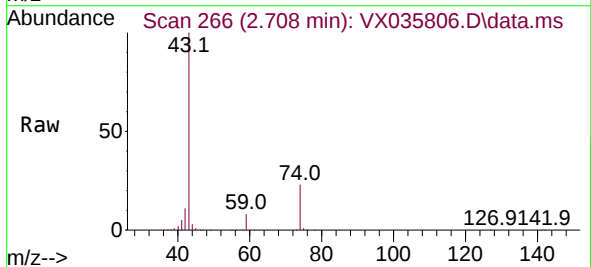
Manual Integrations  
APPROVED

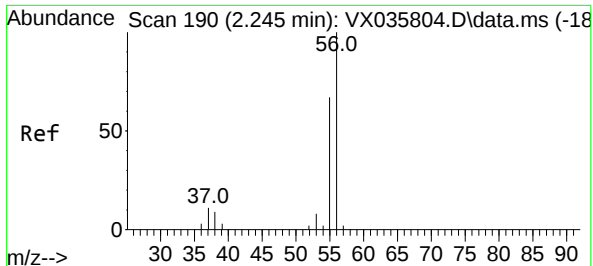
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#12  
Methyl Acetate  
Concen: 70.865 ug/l  
RT: 2.708 min Scan# 266  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

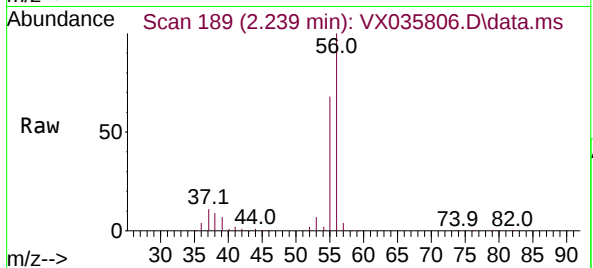
Tgt Ion: 43 Resp: 529458  
Ion Ratio Lower Upper  
43 100  
74 22.7 18.0 27.0





#13  
Acrolein  
Concen: 239.950 ug/l  
RT: 2.239 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

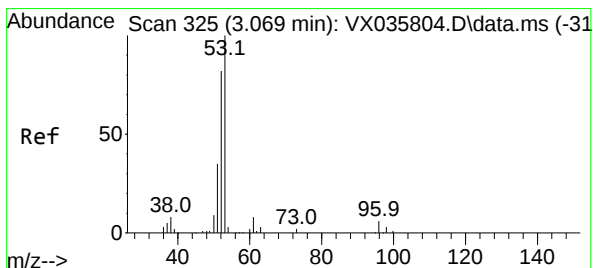
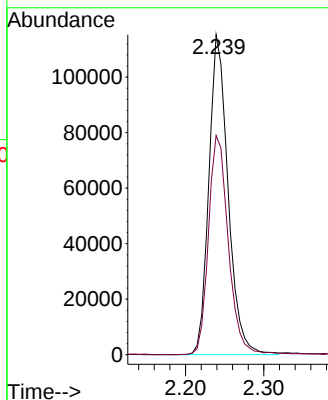
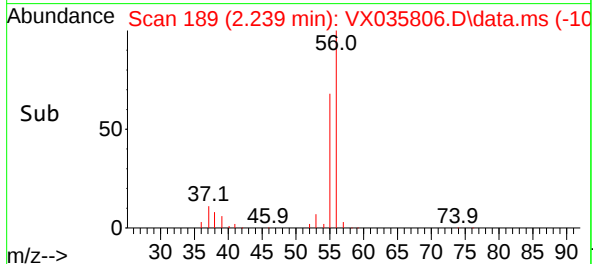
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



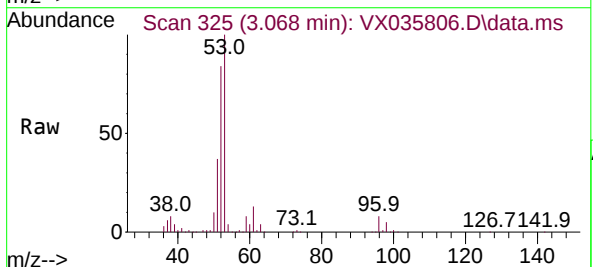
Tgt Ion: 56 Resp: 196404  
Ion Ratio Lower Upper  
56 100  
55 70.0 56.6 85.0

Manual Integrations  
APPROVED

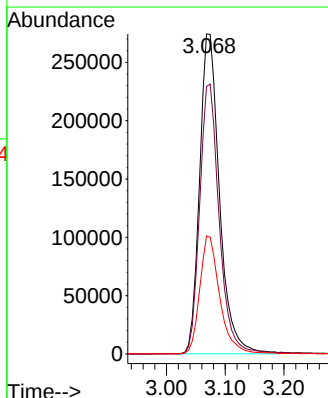
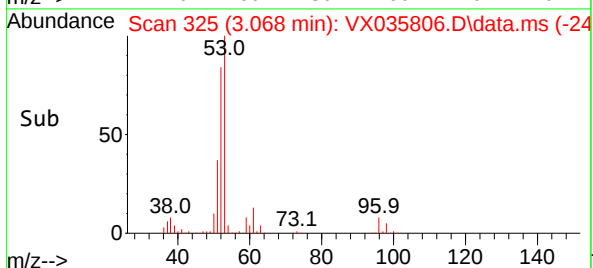
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023

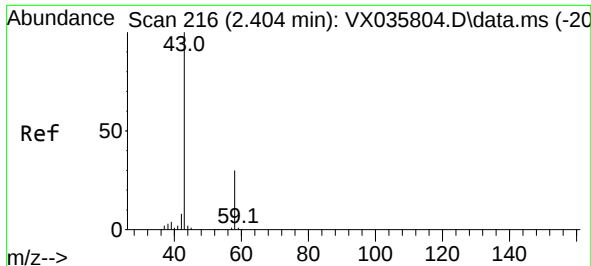


#14  
Acrylonitrile  
Concen: 319.243 ug/l  
RT: 3.068 min Scan# 325  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29



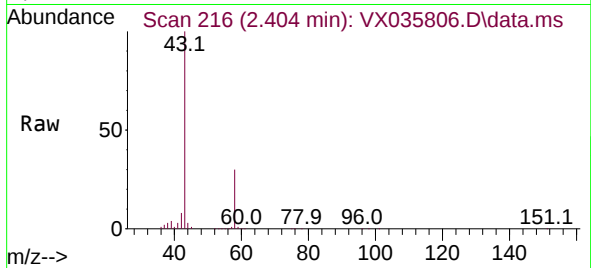
Tgt Ion: 53 Resp: 645720  
Ion Ratio Lower Upper  
53 100  
52 82.8 41.3 123.7  
51 37.2 17.9 53.7





#15  
Acetone  
Concen: 318.107 ug/l  
RT: 2.404 min Scan# 216  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

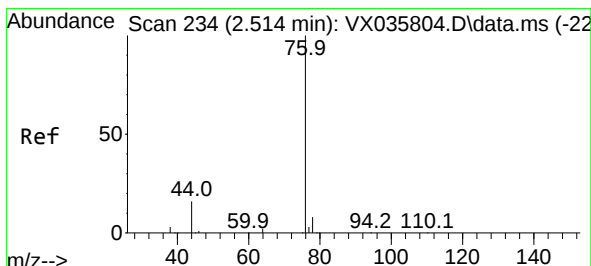
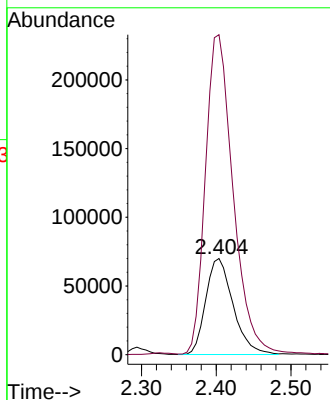
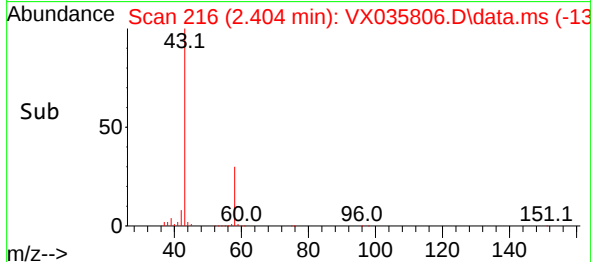
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



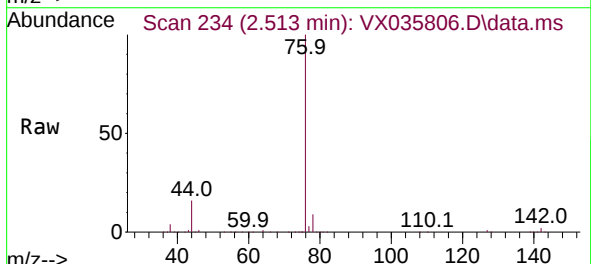
Tgt Ion: 58 Resp: 177983  
Ion Ratio Lower Upper  
58 100  
43 332.9 270.8 406.2

Manual Integrations  
APPROVED

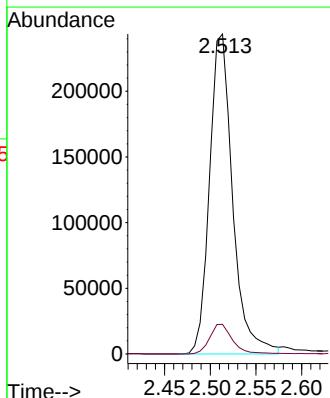
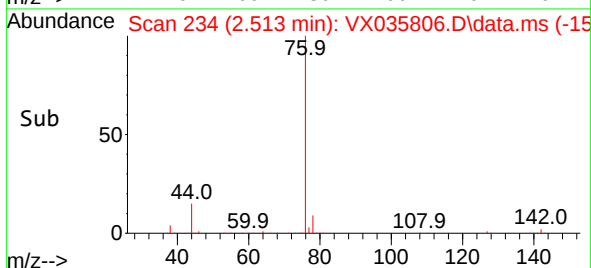
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023

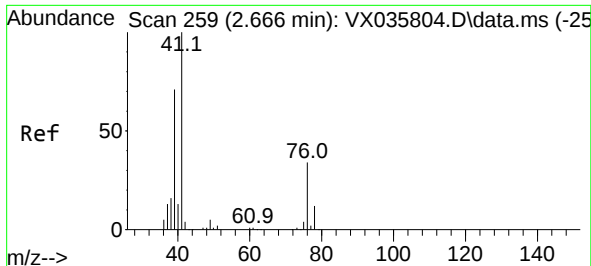


#16  
Carbon Disulfide  
Concen: 52.210 ug/l  
RT: 2.513 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29



Tgt Ion: 76 Resp: 428778  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.0 10.6





#17  
 Allyl chloride  
 Concen: 61.387 ug/l  
 RT: 2.660 min Scan# 259  
 Delta R.T. -0.006 min  
 Lab File: VX035806.D  
 Acq: 23 May 2023 10:29

Instrument :

MSVOA\_X

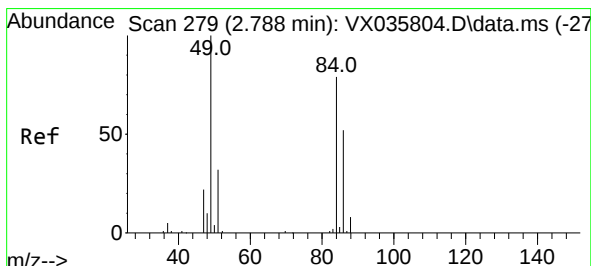
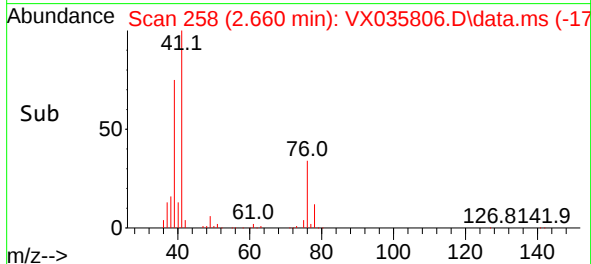
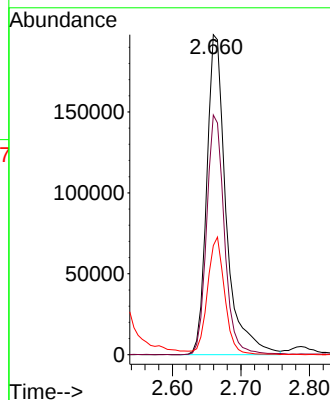
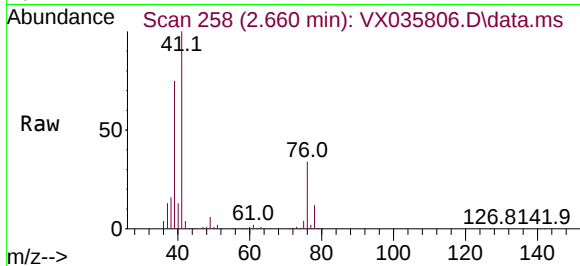
ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 389839  
 Ion Ratio Lower Upper  
 41 100  
 39 74.9 36.4 109.3  
 76 34.0 17.0 51.0

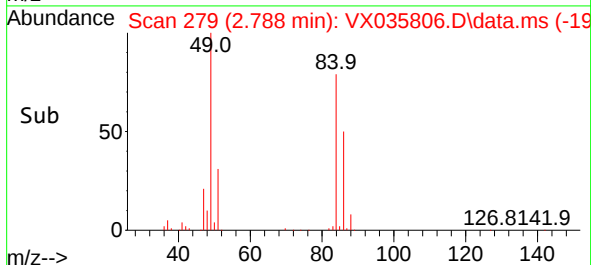
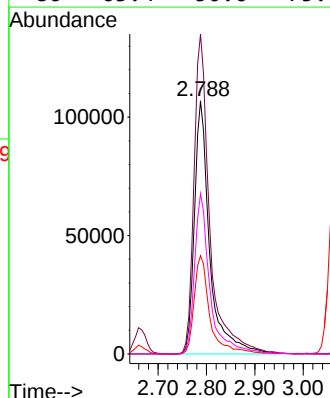
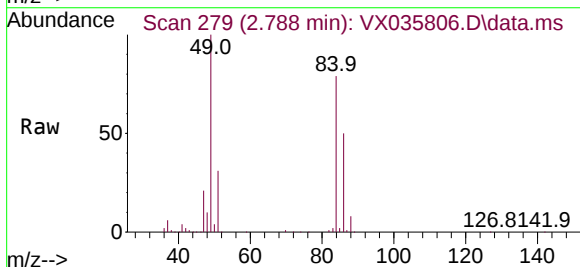
Manual Integrations  
 APPROVED

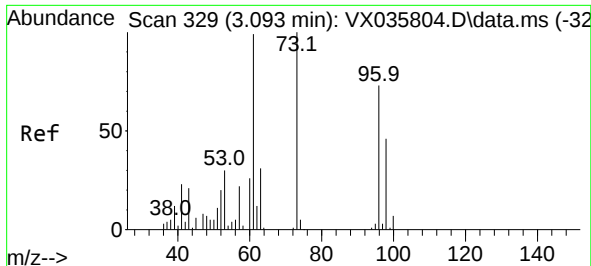
Reviewed By :John Carlone 05/25/2023  
 Supervised By :Mahesh Dadoda 05/25/2023



#18  
 Methylene Chloride  
 Concen: 60.841 ug/l  
 RT: 2.788 min Scan# 279  
 Delta R.T. -0.000 min  
 Lab File: VX035806.D  
 Acq: 23 May 2023 10:29

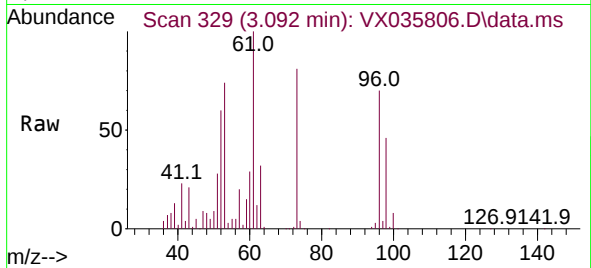
Tgt Ion: 84 Resp: 235725  
 Ion Ratio Lower Upper  
 84 100  
 49 126.3 103.9 155.9  
 51 38.8 30.6 45.8  
 86 63.4 50.6 75.8





#19  
trans-1,2-Dichloroethene  
Concen: 58.159 ug/l  
RT: 3.092 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

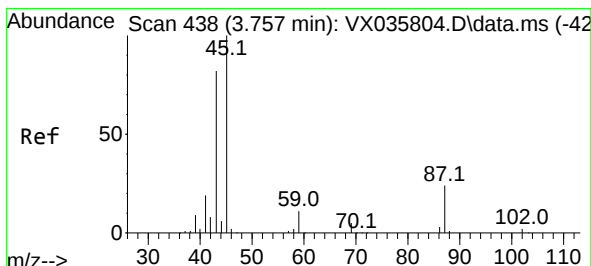
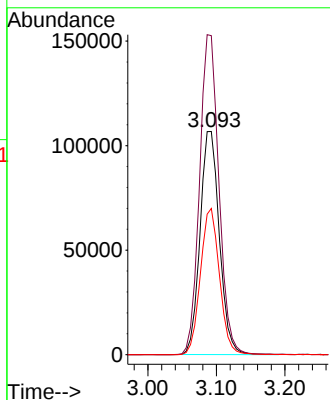
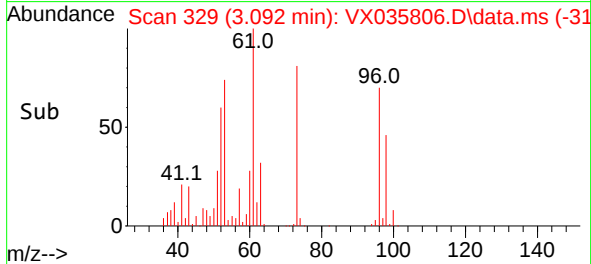
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



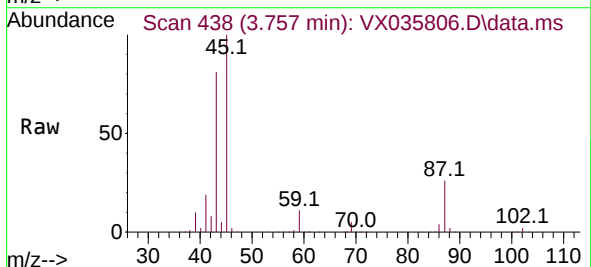
Tgt Ion: 96 Resp: 209350  
Ion Ratio Lower Upper  
96 100  
61 143.0 111.1 166.7  
98 65.6 48.6 72.8

Manual Integrations  
APPROVED

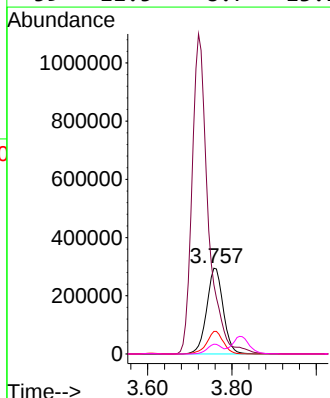
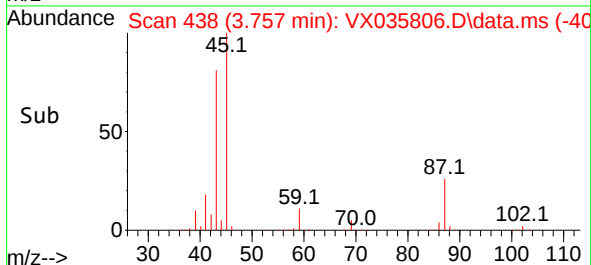
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023

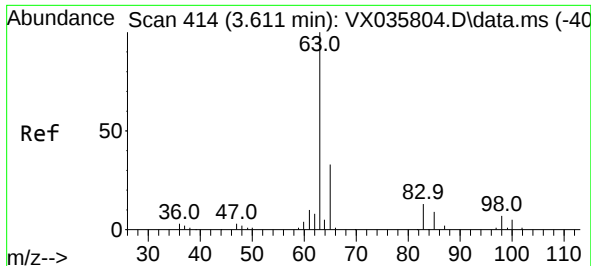


#20  
Diisopropyl ether  
Concen: 61.462 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29



Tgt Ion: 45 Resp: 802494  
Ion Ratio Lower Upper  
45 100  
43 80.3 66.0 99.0  
87 26.3 21.8 32.6  
59 11.5 8.7 13.1





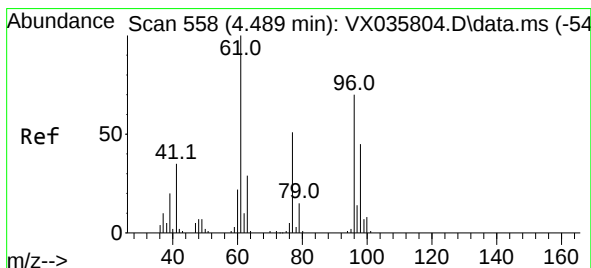
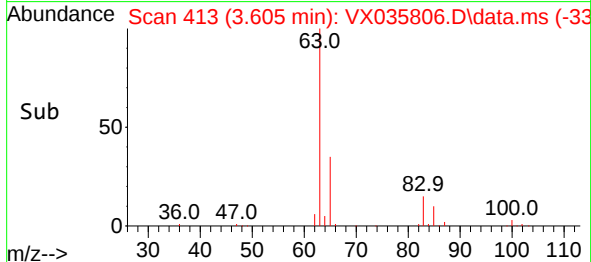
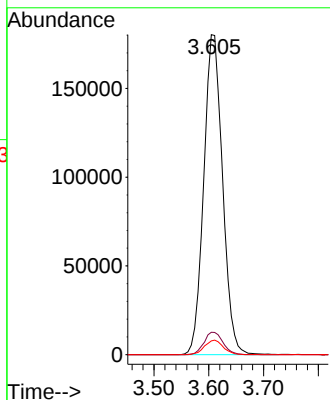
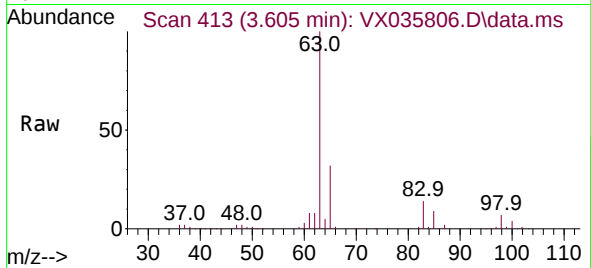
#21  
1,1-Dichloroethane  
Concen: 61.630 ug/l  
RT: 3.605 min Scan# 414  
Delta R.T. -0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tgt Ion: 63 Resp: 42946  
Ion Ratio Lower Upper  
63 100  
98 7.0 3.5 10.6  
100 4.3 2.2 6.6

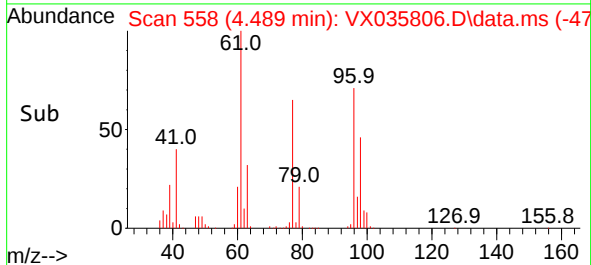
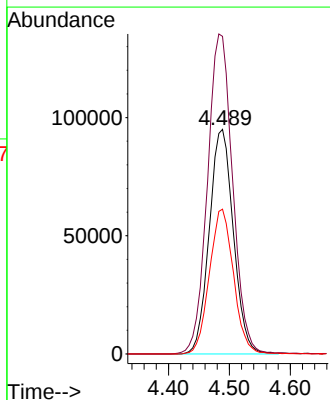
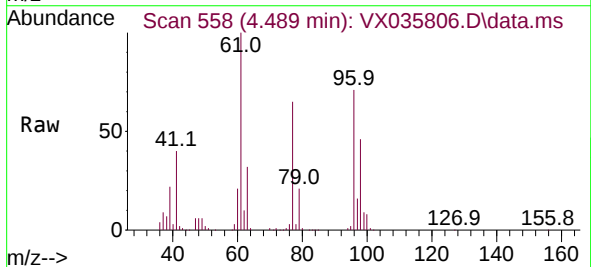
Manual Integrations  
APPROVED

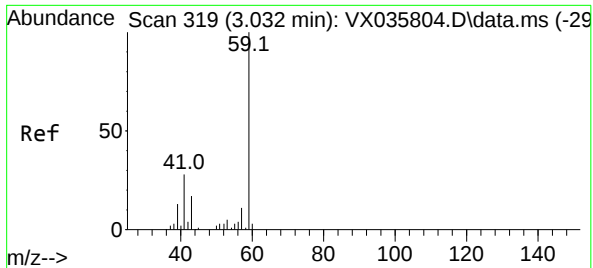
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#22  
cis-1,2-Dichloroethene  
Concen: 62.319 ug/l  
RT: 4.489 min Scan# 558  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Tgt Ion: 96 Resp: 261860  
Ion Ratio Lower Upper  
96 100  
61 148.4 121.7 182.5  
98 64.2 52.2 78.2





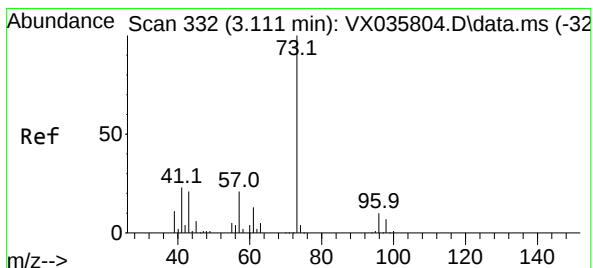
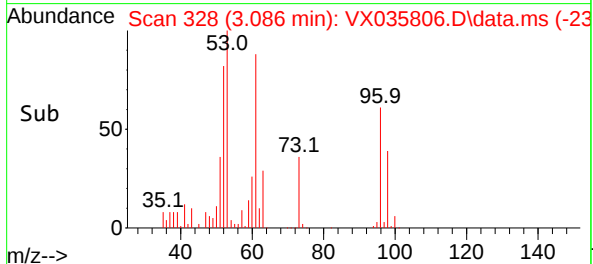
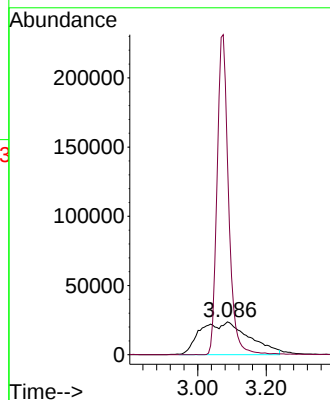
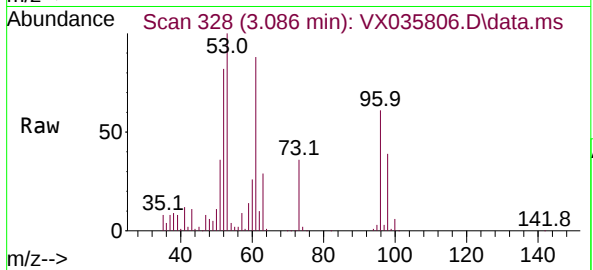
#23  
tert-Butyl Alcohol  
Concen: 261.623 ug/l m  
RT: 3.086 min Scan# 319  
Delta R.T. 0.054 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 59 Resp: 234359  
Ion Ratio Lower Upper  
59 100  
52 228.2 0.2 0.4

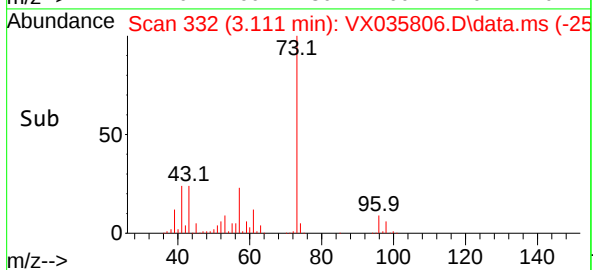
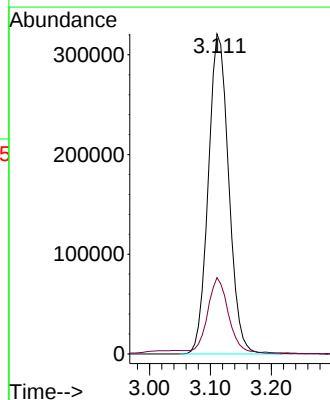
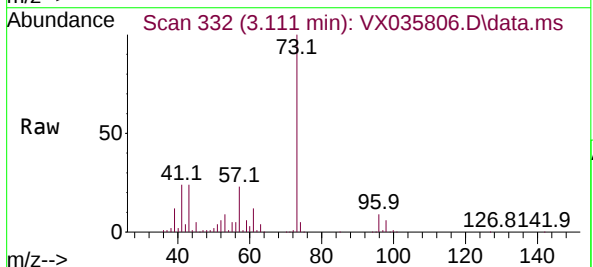
Manual Integrations  
APPROVED

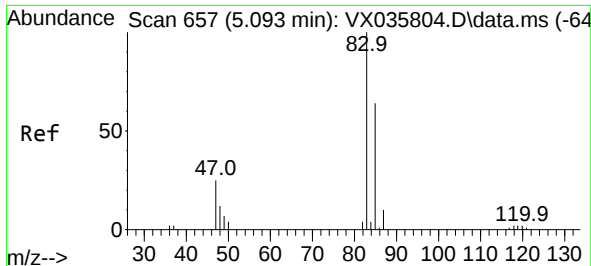
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#24  
Methyl tert-Butyl Ether  
Concen: 60.994 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

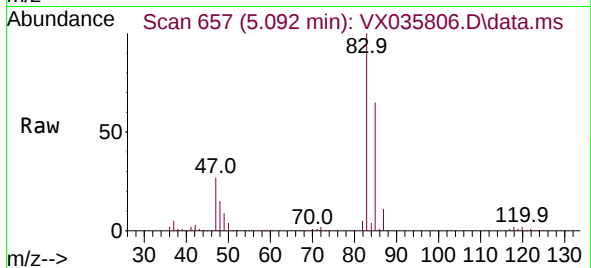
Tgt Ion: 73 Resp: 747114  
Ion Ratio Lower Upper  
73 100  
43 24.0 17.9 26.9





#25  
Chloroform  
Concen: 61.061 ug/l  
RT: 5.092 min Scan# 613  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

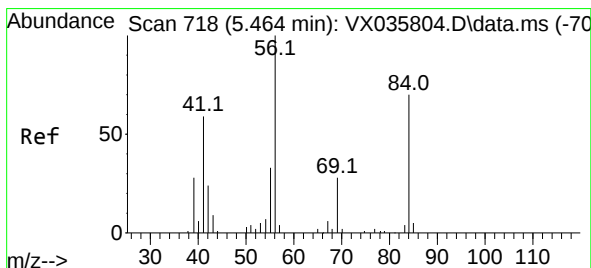
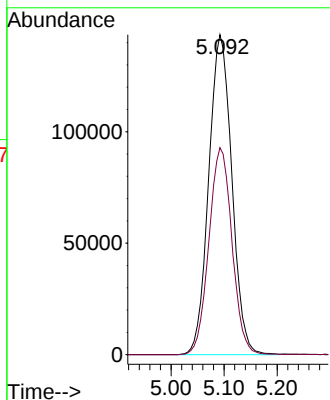
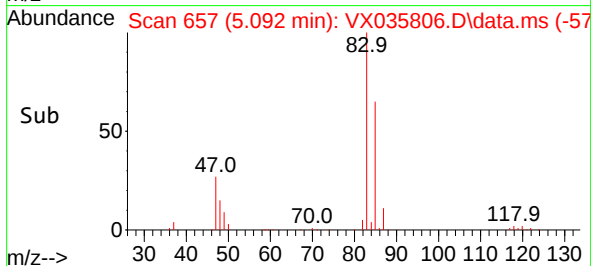
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100



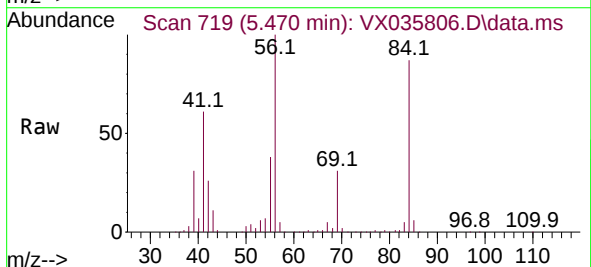
Tgt Ion: 83 Resp: 434579  
Ion Ratio Lower Upper  
83 100  
85 64.7 51.2 76.8

Manual Integrations  
APPROVED

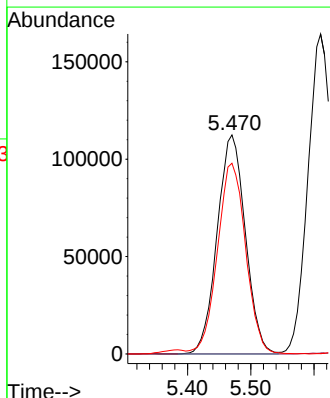
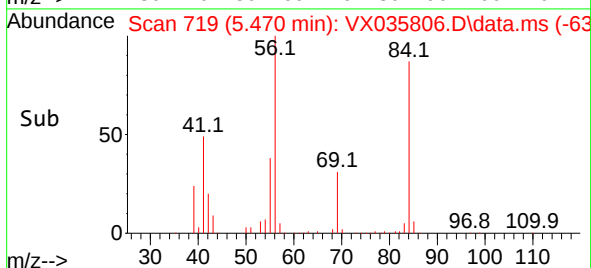
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023

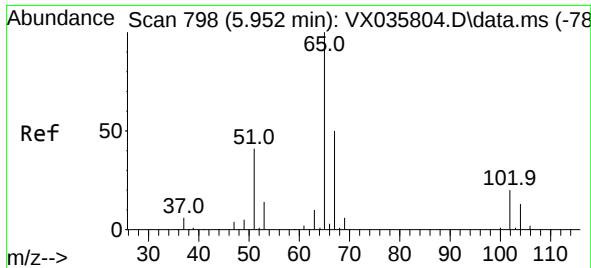


#26  
Cyclohexane  
Concen: 58.536 ug/l  
RT: 5.470 min Scan# 719  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29



Tgt Ion: 56 Resp: 347666  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 87.5 67.4 101.2





#27  
1,2-Dichloroethane-d4  
Concen: 27.044 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :

MSVOA\_X

ClientSampleId :

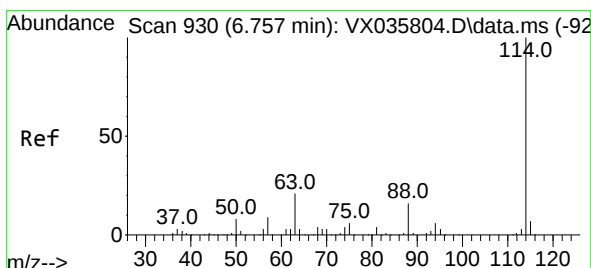
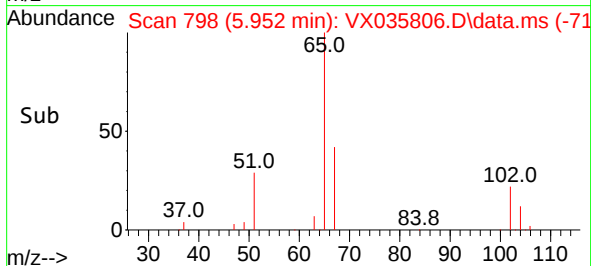
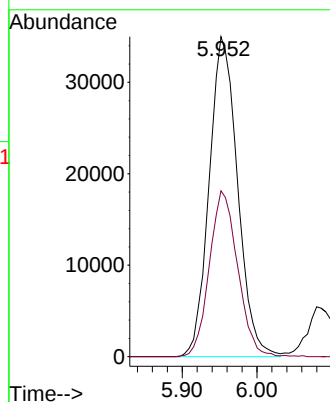
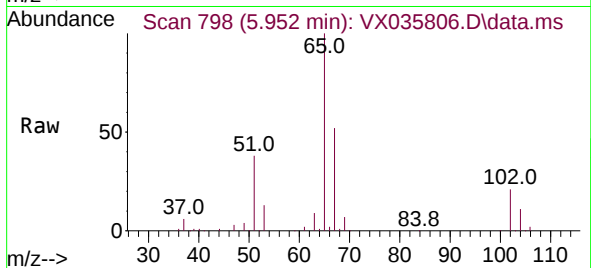
VSTDIC100

Tgt Ion: 65 Resp: 92410  
Ion Ratio Lower Upper  
65 100  
67 51.5 40.9 61.3

Manual Integrations

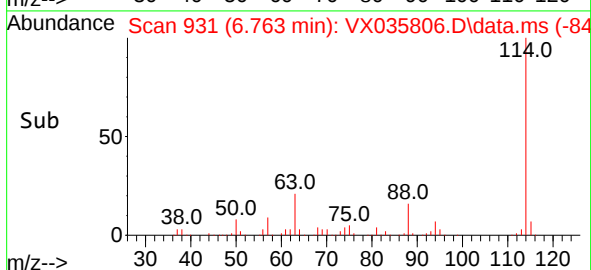
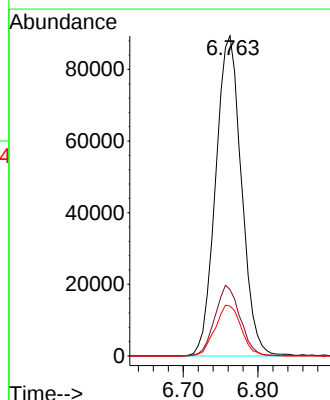
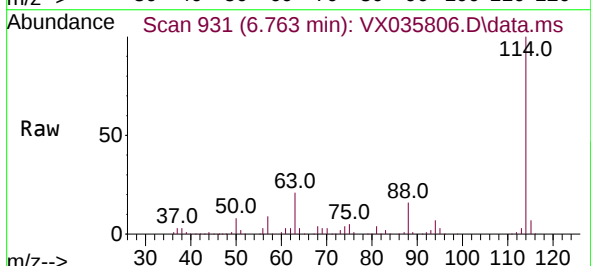
APPROVED

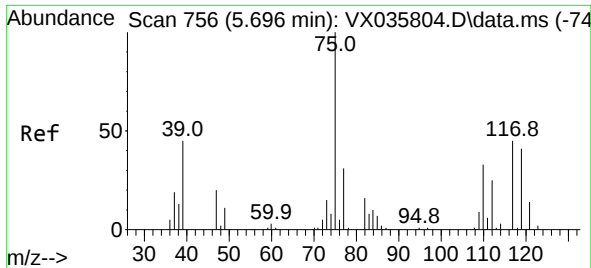
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Tgt Ion:114 Resp: 214369  
Ion Ratio Lower Upper  
114 100  
63 21.5 18.0 27.0  
88 16.1 13.3 19.9





#29

1,1-Dichloropropene

Concen: 68.497 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.006 min

Lab File: VX035806.D

Acq: 23 May 2023 10:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 31037

Ion Ratio Lower Upper

75 100

110 35.2 0.0 71.4

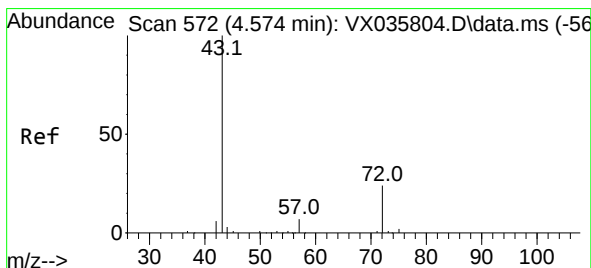
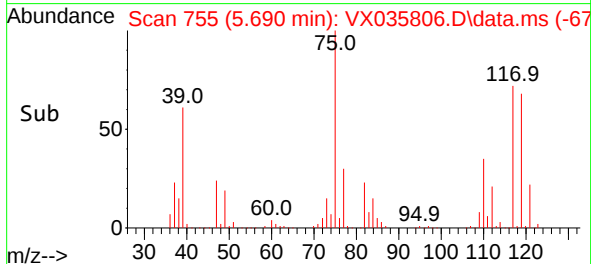
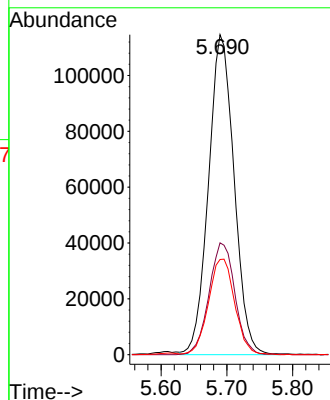
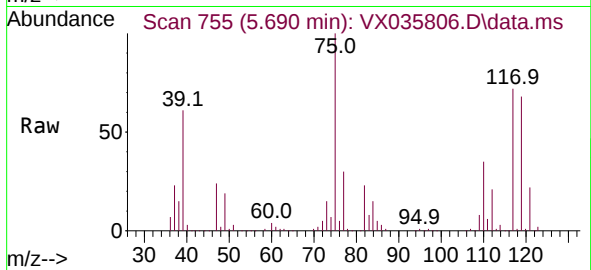
77 30.8 0.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#30

2-Butanone

Concen: 365.675 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.006 min

Lab File: VX035806.D

Acq: 23 May 2023 10:29

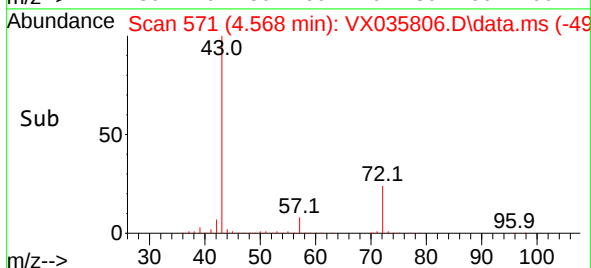
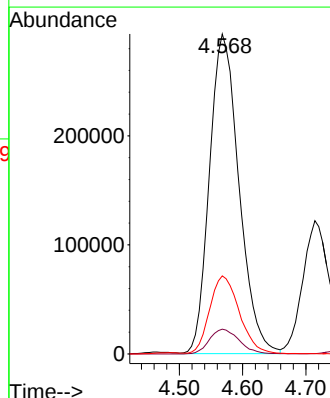
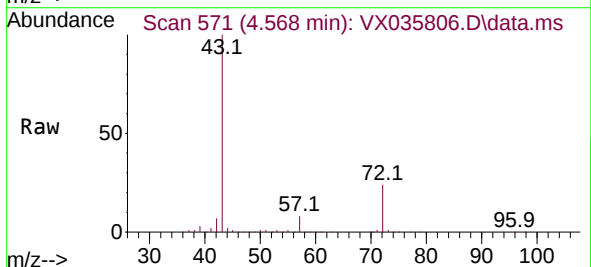
Tgt Ion: 43 Resp: 949639

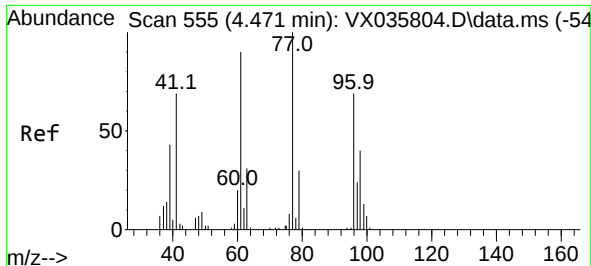
Ion Ratio Lower Upper

43 100

57 7.9 6.3 9.5

72 24.7 19.6 29.4





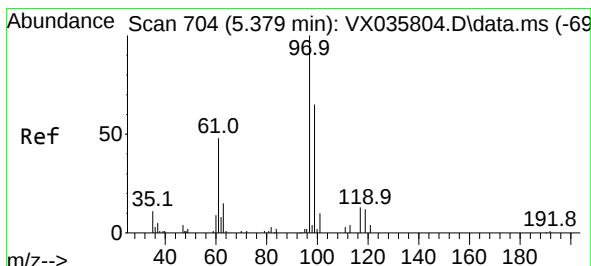
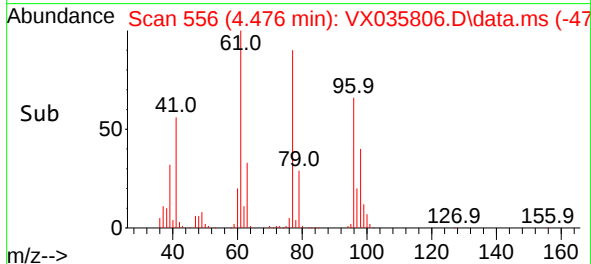
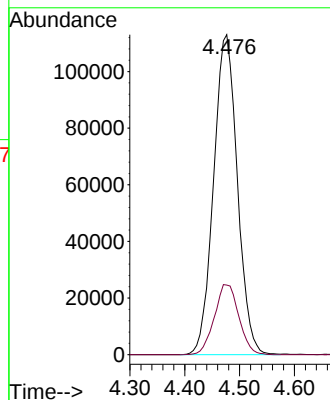
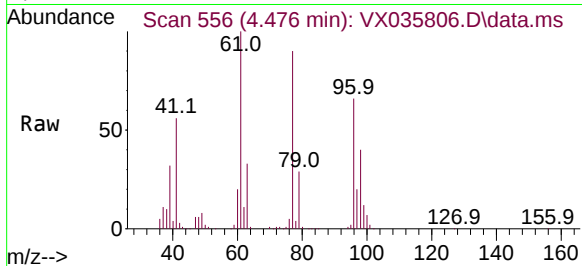
#31  
2,2-Dichloropropane  
Concen: 73.485 ug/l  
RT: 4.476 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 77 Resp: 34070  
Ion Ratio Lower Upper  
77 100  
97 22.5 18.2 27.4

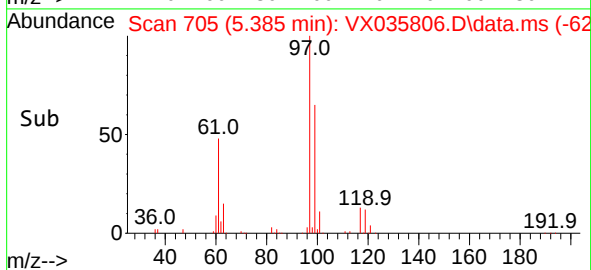
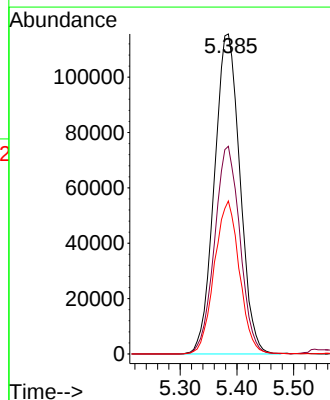
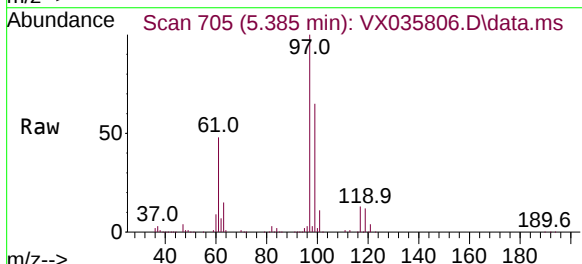
Manual Integrations  
APPROVED

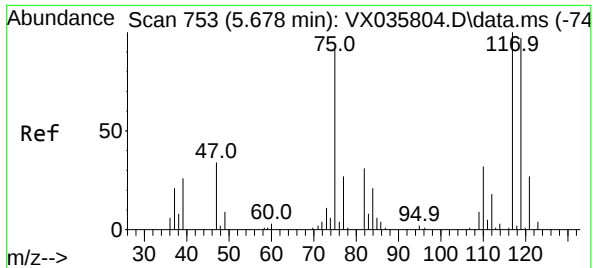
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#32  
1,1,1-Trichloroethane  
Concen: 68.103 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

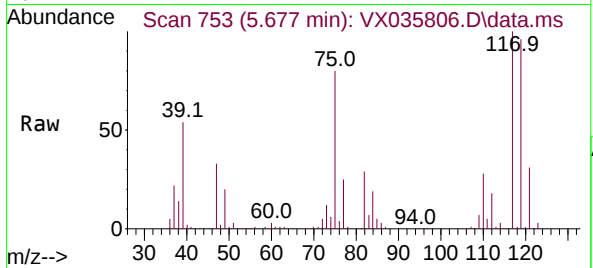
Tgt Ion: 97 Resp: 362061  
Ion Ratio Lower Upper  
97 100  
99 64.5 51.3 76.9  
61 47.0 36.6 55.0





#33  
Carbon Tetrachloride  
Concen: 68.516 ug/l  
RT: 5.677 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

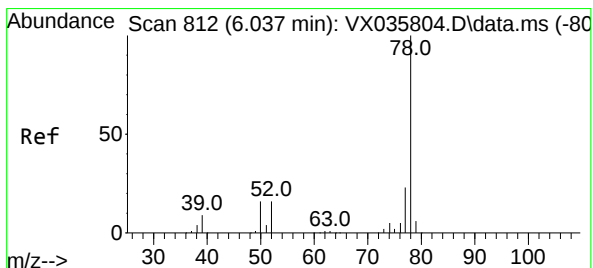
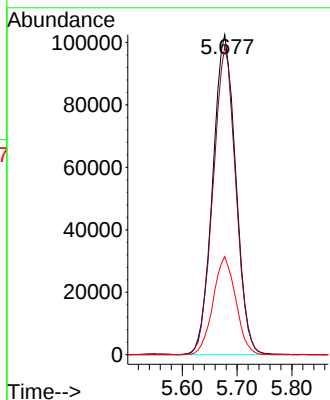
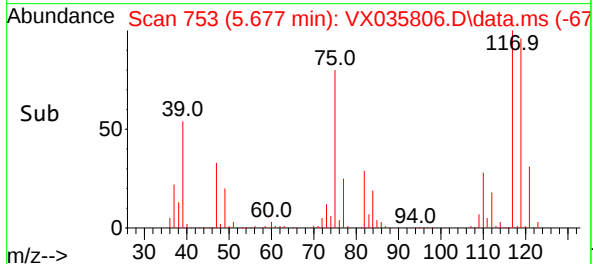
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion:117 Resp: 299269  
Ion Ratio Lower Upper  
117 100  
119 96.3 73.3 109.9  
121 30.7 24.0 36.0

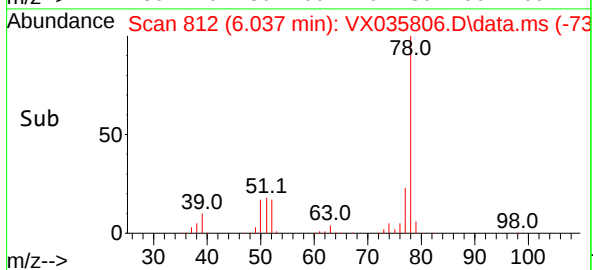
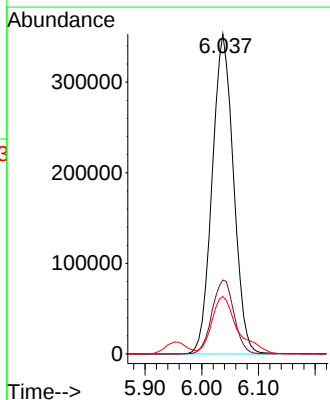
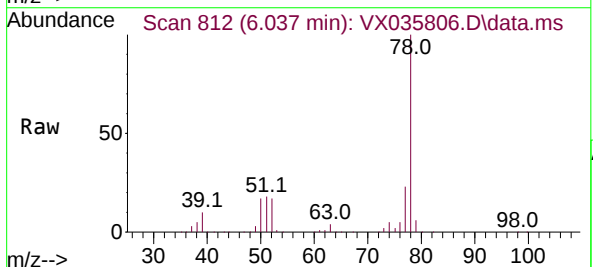
Manual Integrations  
APPROVED

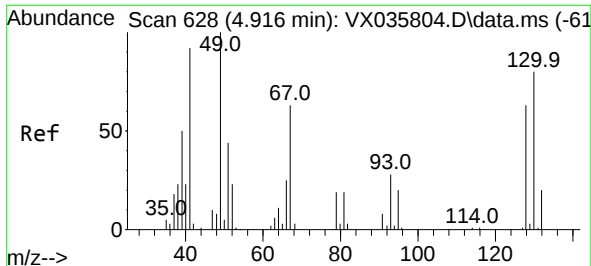
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#34  
Benzene  
Concen: 69.162 ug/l  
RT: 6.037 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

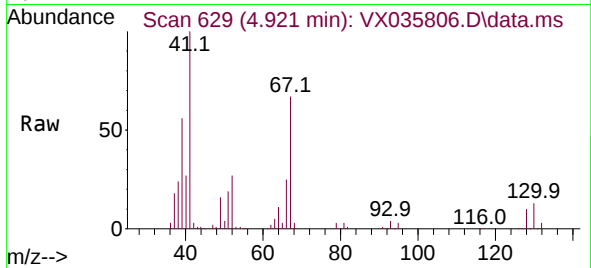
Tgt Ion: 78 Resp: 921874  
Ion Ratio Lower Upper  
78 100  
77 23.1 19.0 28.4  
51 17.8 14.6 21.8





#35  
Methacrylonitrile  
Concen: 73.493 ug/l  
RT: 4.921 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

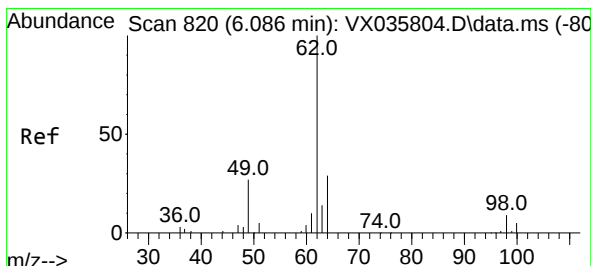
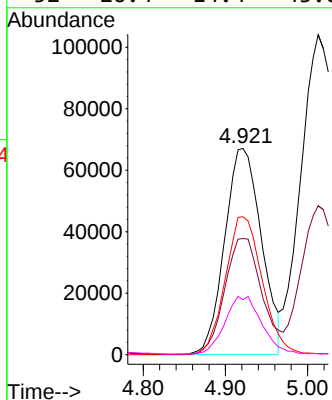
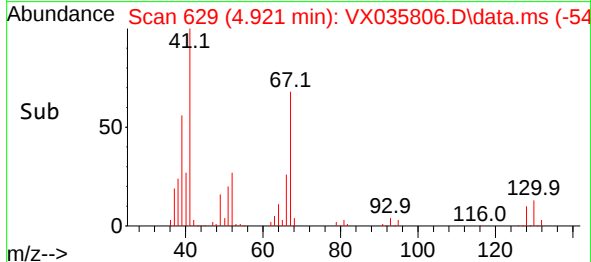
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion: 41 Resp: 208250  
Ion Ratio Lower Upper  
41 100  
39 56.2 28.0 84.0  
67 66.9 31.6 94.7  
52 26.4 14.4 43.0

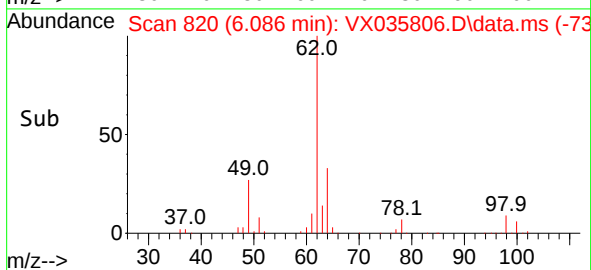
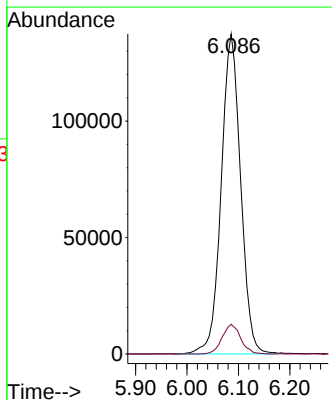
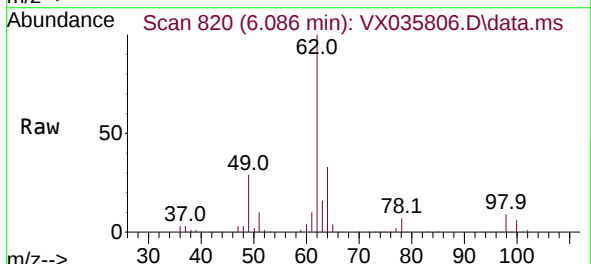
Manual Integrations  
APPROVED

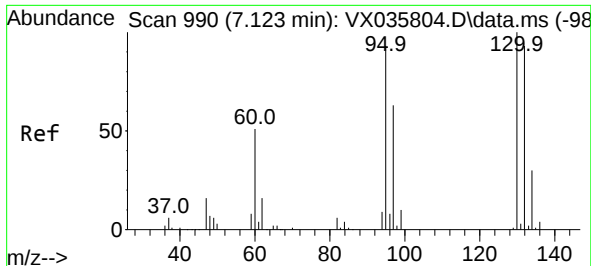
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#36  
1,2-Dichloroethane  
Concen: 68.598 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Tgt Ion: 62 Resp: 360762  
Ion Ratio Lower Upper  
62 100  
98 8.9 7.0 10.6





#37

Trichloroethene

Concen: 68.602 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX035806.D

Acq: 23 May 2023 10:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:130 Resp: 233295

Ion Ratio Lower Upper

130 100

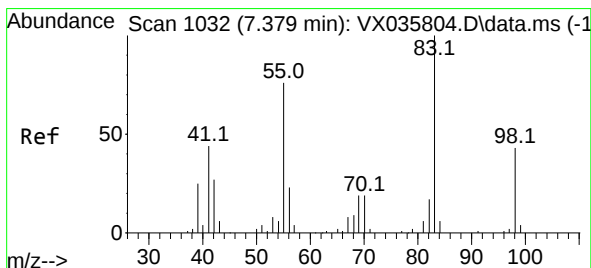
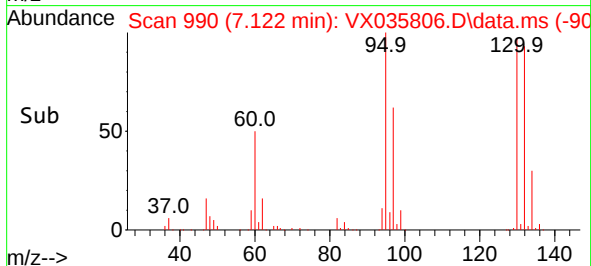
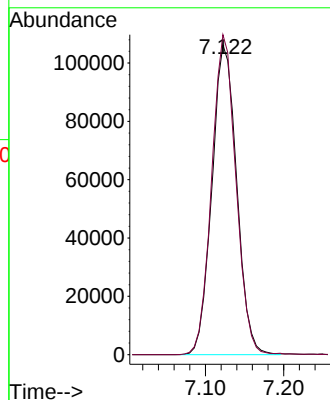
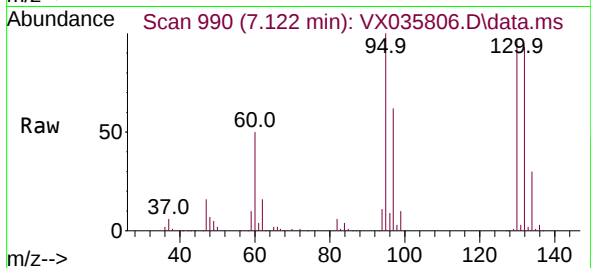
95 103.2 77.8 116.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#38

Methylcyclohexane

Concen: 76.953 ug/l

RT: 7.378 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX035806.D

Acq: 23 May 2023 10:29

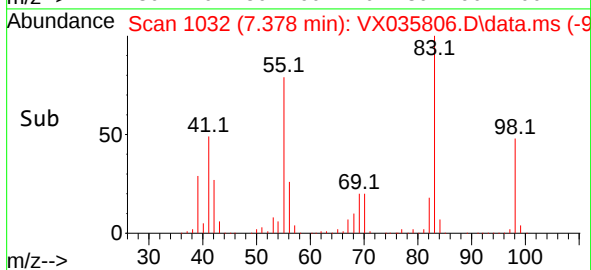
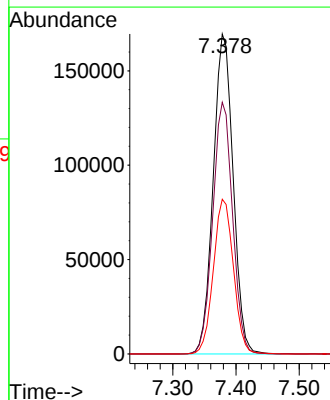
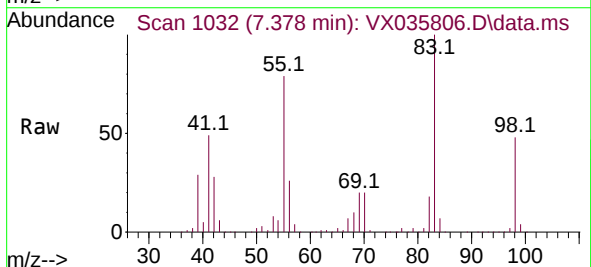
Tgt Ion: 83 Resp: 370811

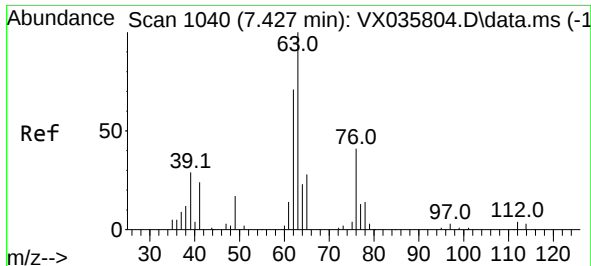
Ion Ratio Lower Upper

83 100

55 78.5 38.8 116.4

98 48.8 23.8 71.2





#39

1,2-Dichloropropane

Concen: 71.551 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX035806.D

Acq: 23 May 2023 10:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 24954

Ion Ratio Lower Upper

63 100

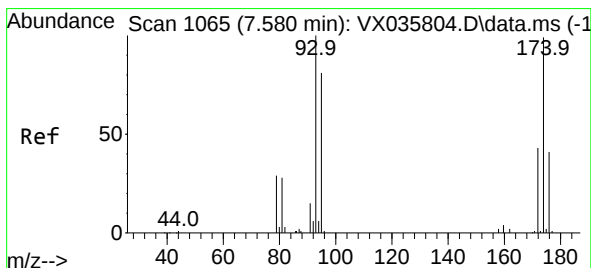
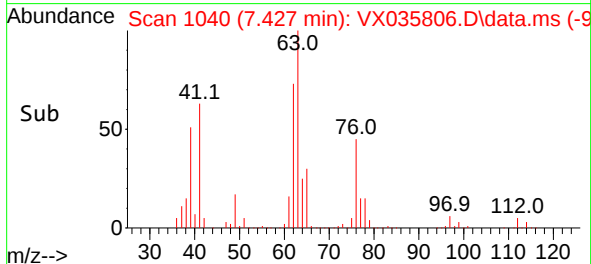
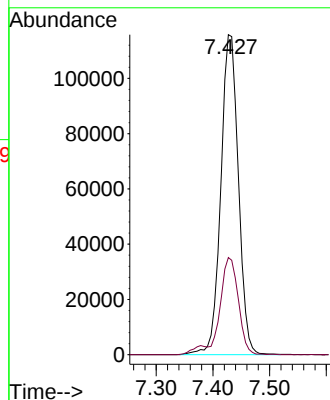
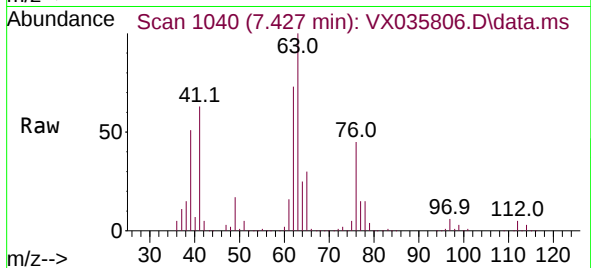
65 30.3 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#40

Dibromomethane

Concen: 72.250 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX035806.D

Acq: 23 May 2023 10:29

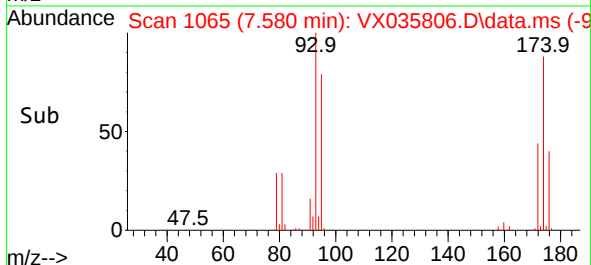
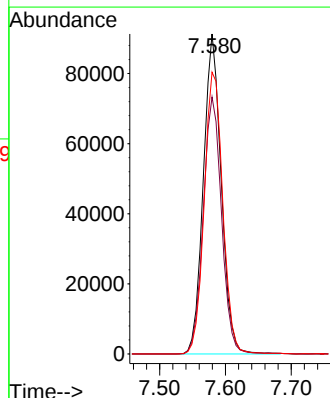
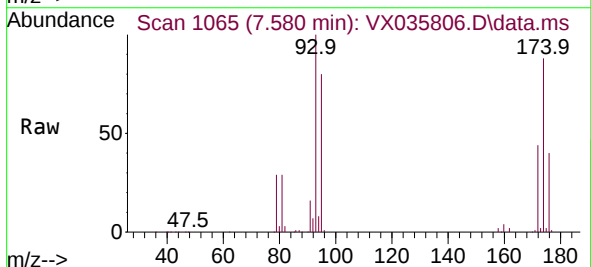
Tgt Ion: 93 Resp: 172600

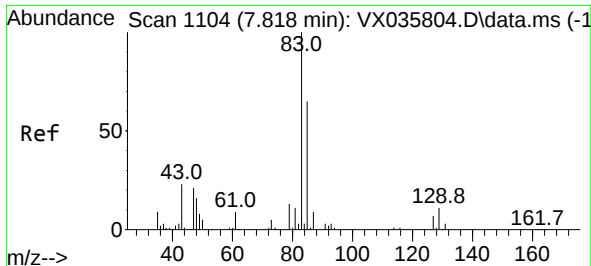
Ion Ratio Lower Upper

93 100

95 81.9 0.0 165.8

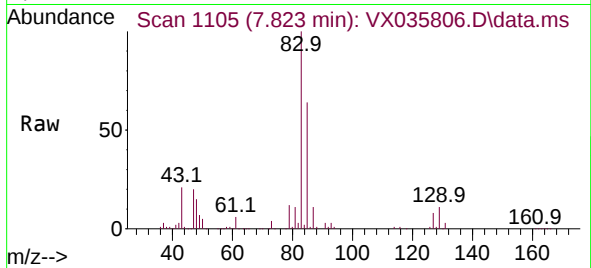
174 91.5 0.0 188.8





#41  
Bromodichloromethane  
Concen: 72.564 ug/l  
RT: 7.823 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

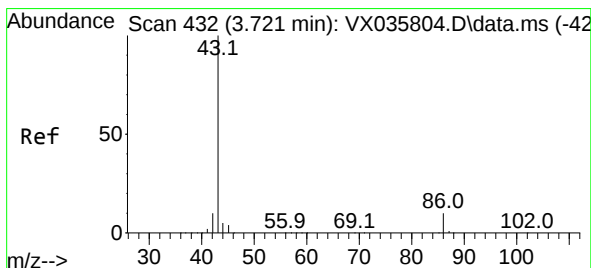
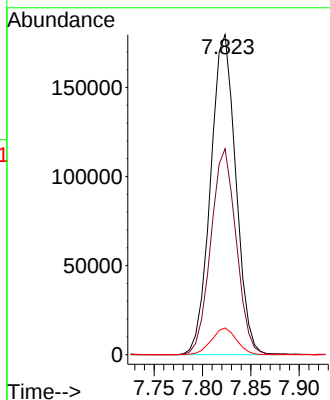
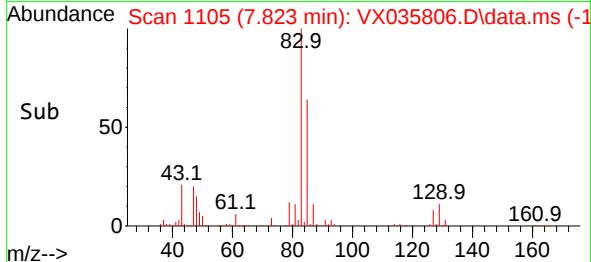
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



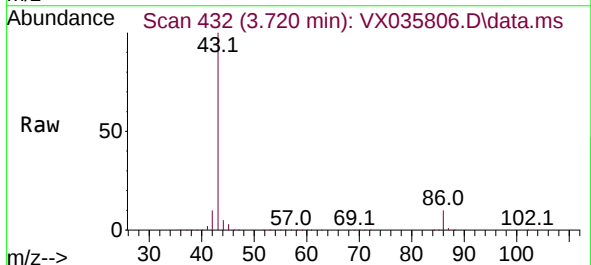
Tgt Ion: 83 Resp: 326269  
Ion Ratio Lower Upper  
83 100  
85 64.3 51.1 76.7  
127 8.4 8.2 12.4

Manual Integrations  
APPROVED

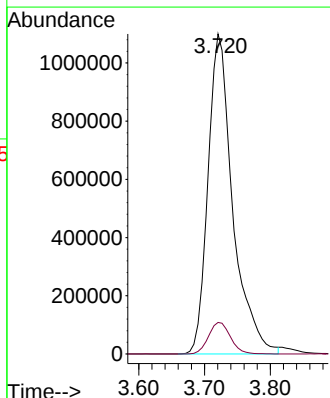
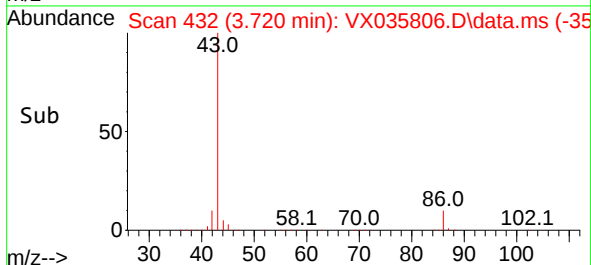
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023

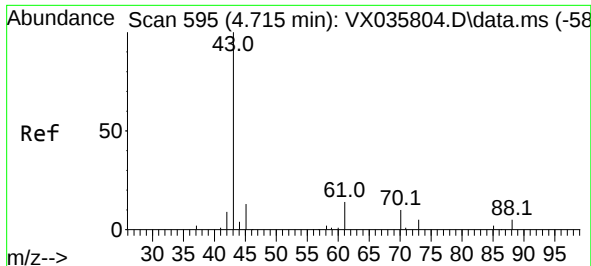


#42  
Vinyl Acetate  
Concen: 348.504 ug/l  
RT: 3.720 min Scan# 432  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29



Tgt Ion: 43 Resp: 2882668  
Ion Ratio Lower Upper  
43 100  
86 8.8 6.9 10.3





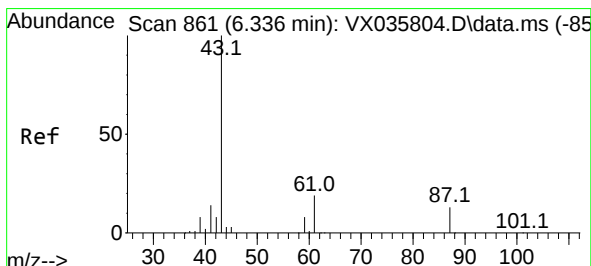
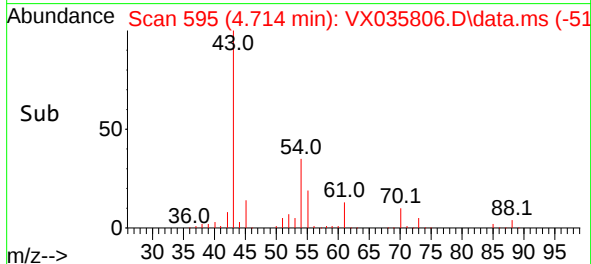
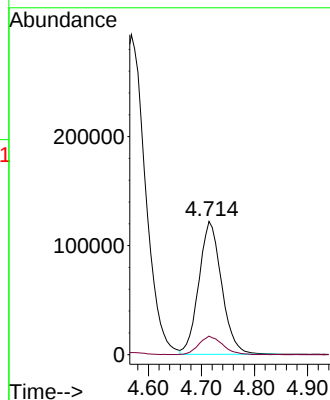
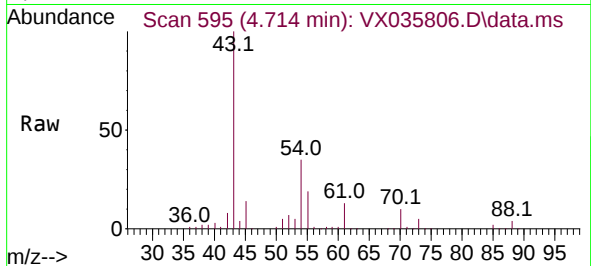
#43  
Ethyl Acetate  
Concen: 73.100 ug/l  
RT: 4.714 min Scan# 595  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 43 Resp: 363960  
Ion Ratio Lower Upper  
43 100  
45 14.7 12.0 18.0

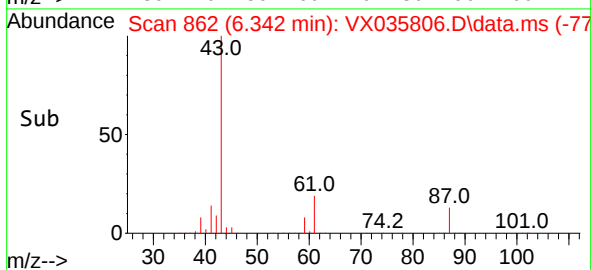
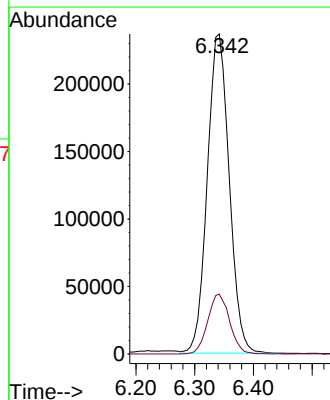
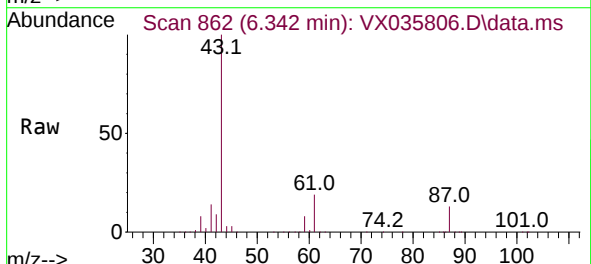
Manual Integrations  
APPROVED

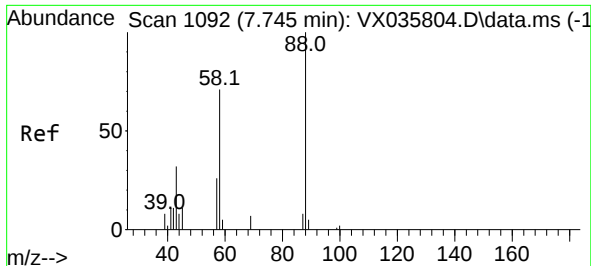
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#44  
Isopropyl Acetate  
Concen: 72.881 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

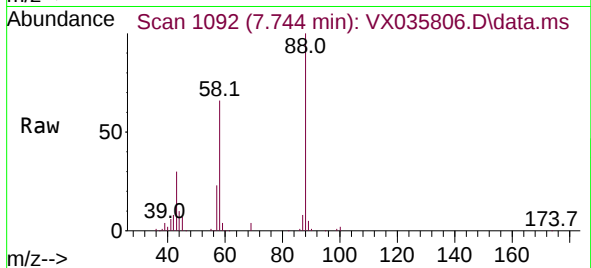
Tgt Ion: 43 Resp: 613714  
Ion Ratio Lower Upper  
43 100  
61 18.7 15.4 23.0





#45  
1,4-Dioxane  
Concen: 1335.259 ug/l  
RT: 7.744 min Scan# 1092  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

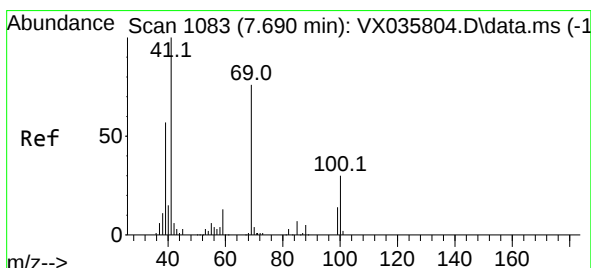
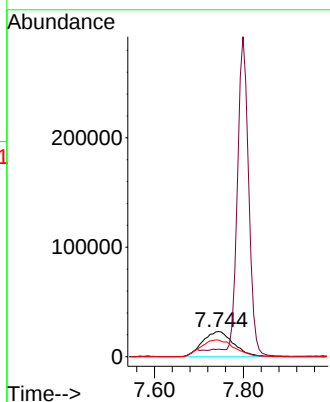
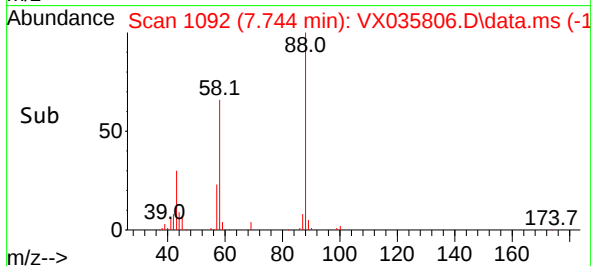
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion: 88 Resp: 111400  
Ion Ratio Lower Upper  
88 100  
43 6.0 26.5 39.7  
58 72.3 55.6 83.4

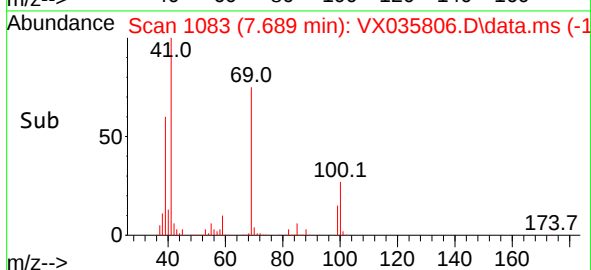
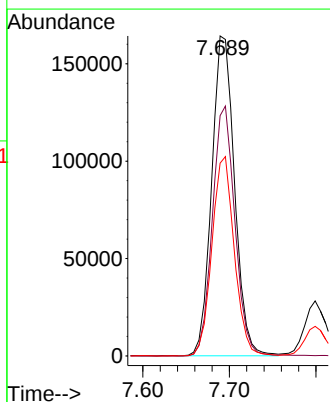
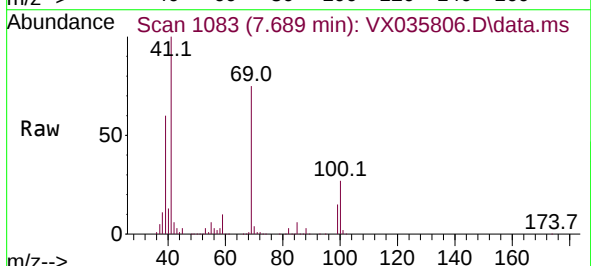
Manual Integrations  
APPROVED

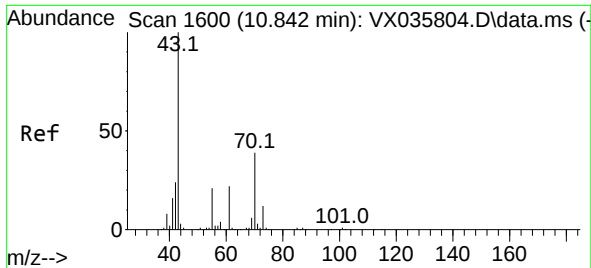
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#46  
Methyl methacrylate  
Concen: 73.266 ug/l  
RT: 7.689 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

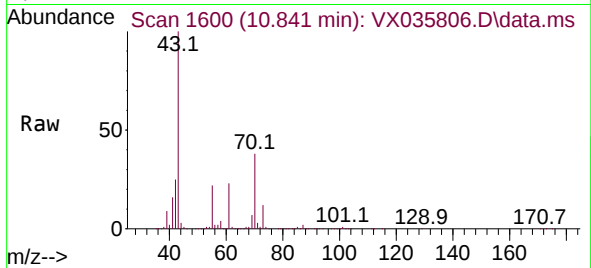
Tgt Ion: 41 Resp: 301166  
Ion Ratio Lower Upper  
41 100  
69 75.1 38.1 114.5  
39 60.2 31.4 94.3





#47  
n-amy1 Acetate  
Concen: 72.082 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

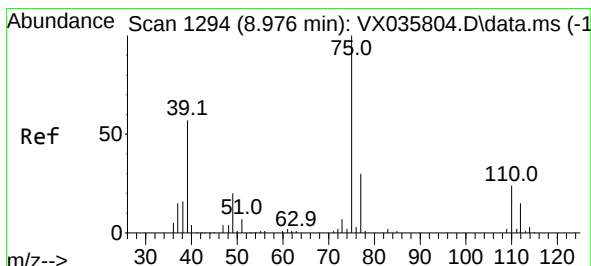
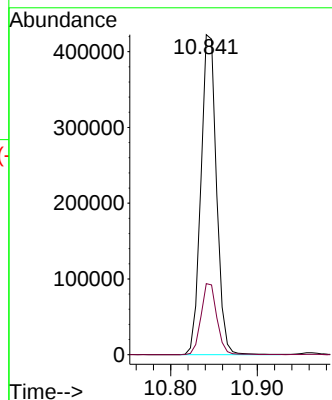
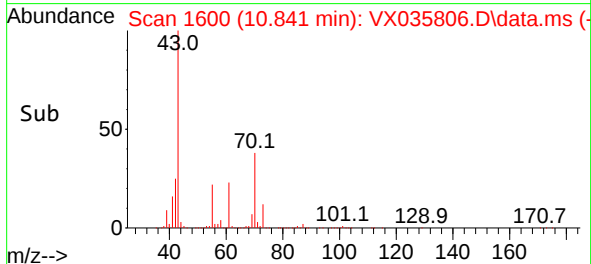
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion: 43 Resp: 52736  
Ion Ratio Lower Upper  
43 100  
55 22.4 18.6 28.0

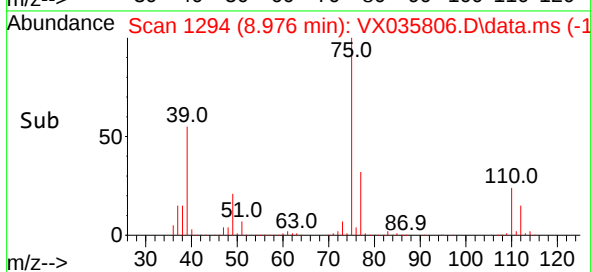
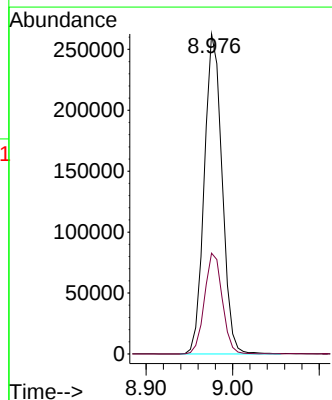
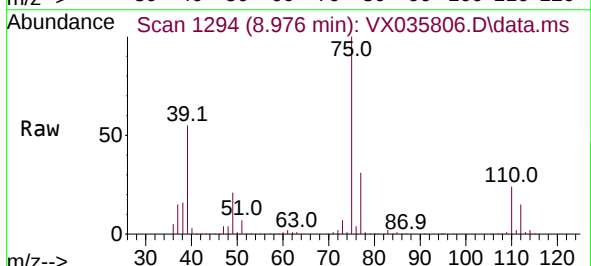
Manual Integrations  
APPROVED

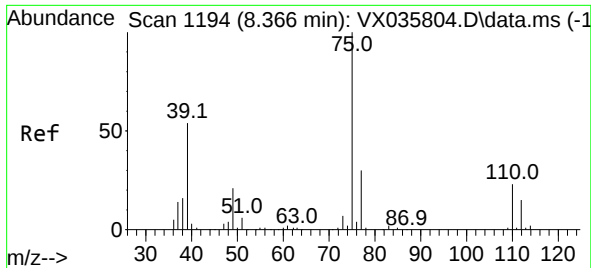
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#48  
t-1,3-Dichloropropene  
Concen: 76.311 ug/l  
RT: 8.976 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

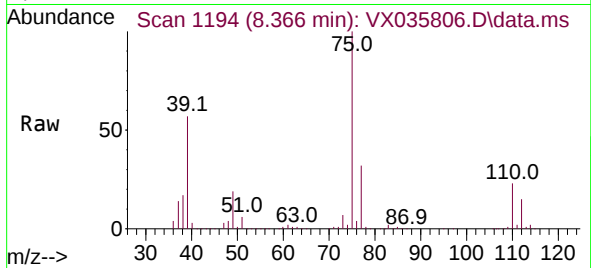
Tgt Ion: 75 Resp: 375068  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.5 38.3





#49  
 cis-1,3-Dichloropropene  
 Concen: 73.830 ug/l  
 RT: 8.366 min Scan# 1194  
 Delta R.T. -0.000 min  
 Lab File: VX035806.D  
 Acq: 23 May 2023 10:29

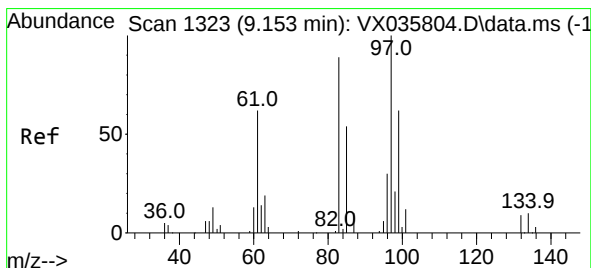
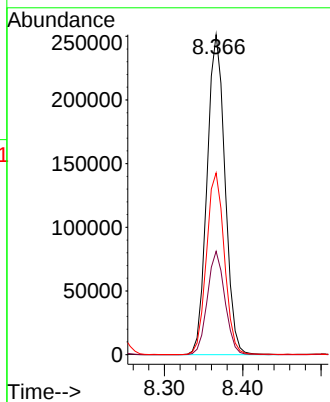
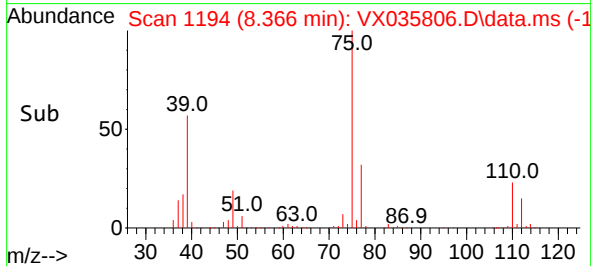
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100



Tgt Ion: 75 Resp: 398830  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 24.6 37.0  
 39 56.7 44.2 66.2

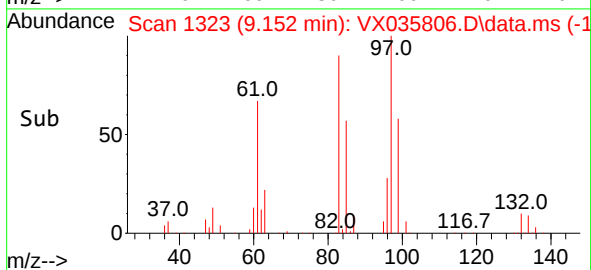
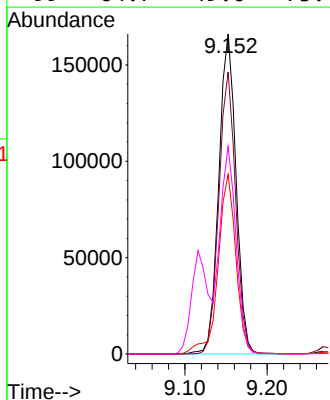
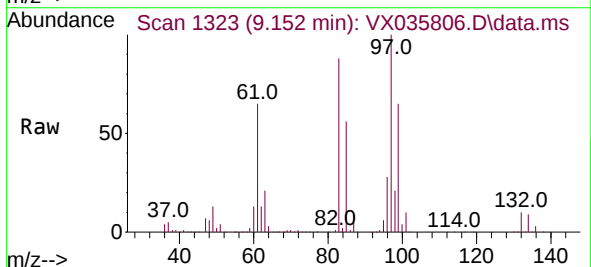
Manual Integrations  
 APPROVED

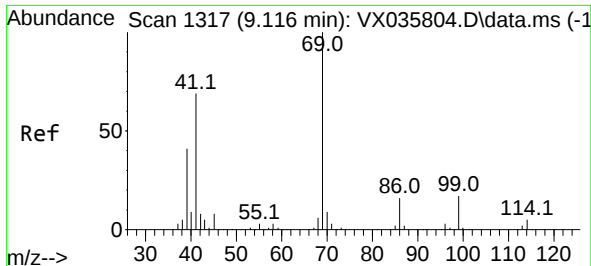
Reviewed By :John Carlone 05/25/2023  
 Supervised By :Mahesh Dadoda 05/25/2023



#50  
 1,1,2-Trichloroethane  
 Concen: 72.056 ug/l  
 RT: 9.152 min Scan# 1323  
 Delta R.T. -0.000 min  
 Lab File: VX035806.D  
 Acq: 23 May 2023 10:29

Tgt Ion: 97 Resp: 241995  
 Ion Ratio Lower Upper  
 97 100  
 83 88.1 68.9 103.3  
 85 56.0 44.0 66.0  
 99 64.7 49.0 73.4





#51  
Ethyl methacrylate  
Concen: 73.049 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :

MSVOA\_X

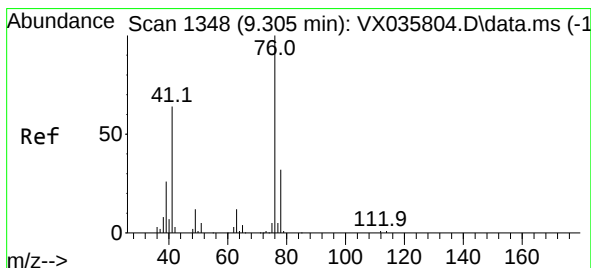
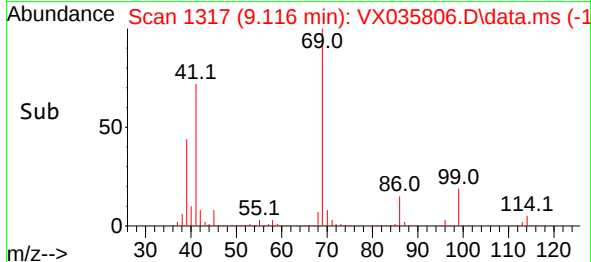
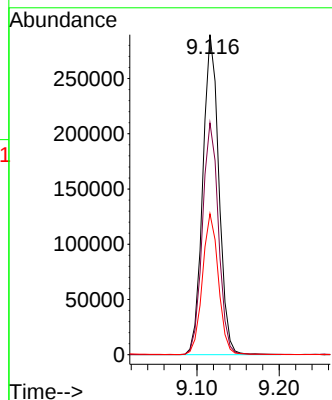
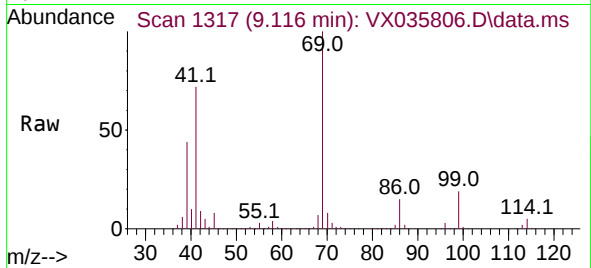
ClientSampleId :

VSTDICC100

Tgt Ion: 69 Resp: 39338  
Ion Ratio Lower Upper  
69 100  
41 72.4 36.2 108.6  
39 44.0 21.2 63.6

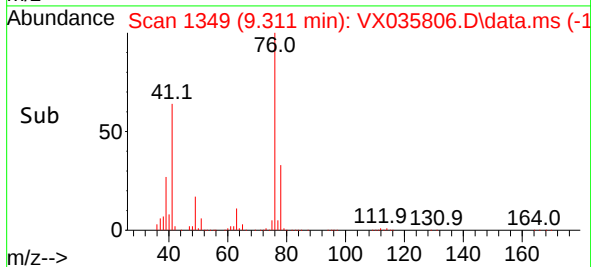
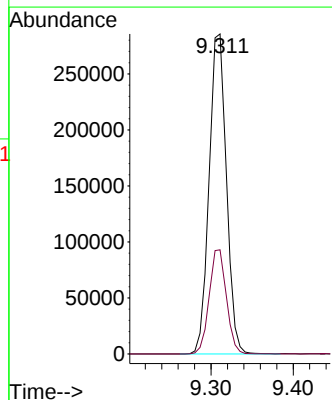
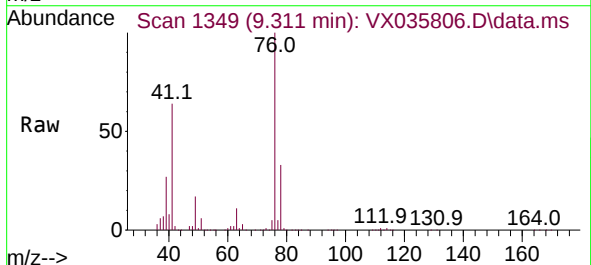
Manual Integrations  
APPROVED

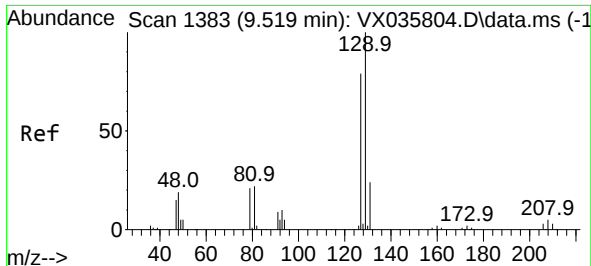
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#52  
1,3-Dichloropropane  
Concen: 70.718 ug/l  
RT: 9.311 min Scan# 1349  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

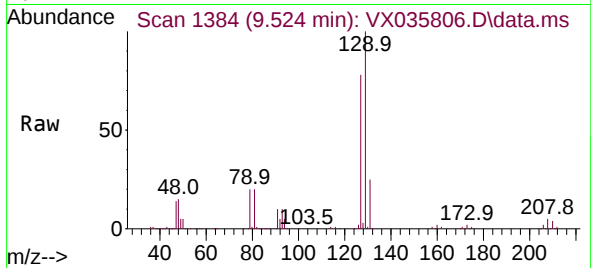
Tgt Ion: 76 Resp: 418051  
Ion Ratio Lower Upper  
76 100  
78 32.4 0.0 63.8





#53  
Dibromochloromethane  
Concen: 74.146 ug/l  
RT: 9.524 min Scan# 1384  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

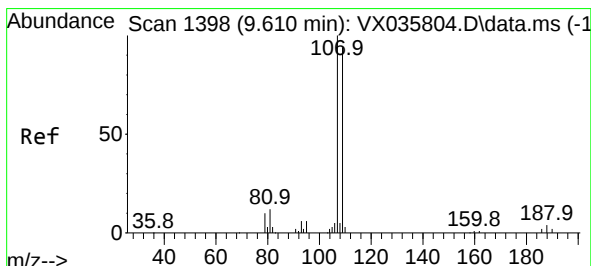
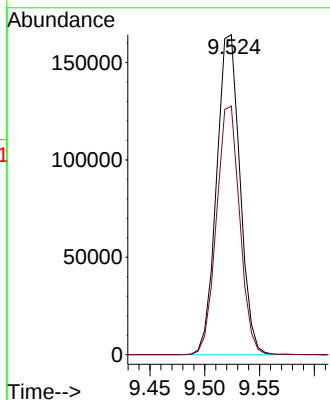
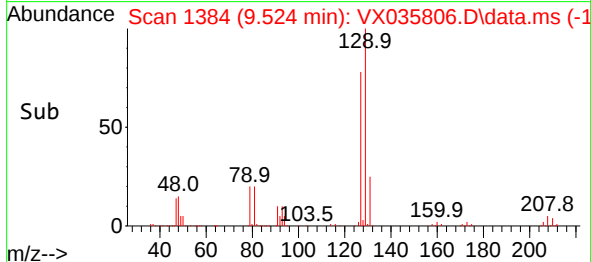
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100



Tgt Ion:129 Resp: 244089  
Ion Ratio Lower Upper  
129 100  
127 77.3 39.1 117.5

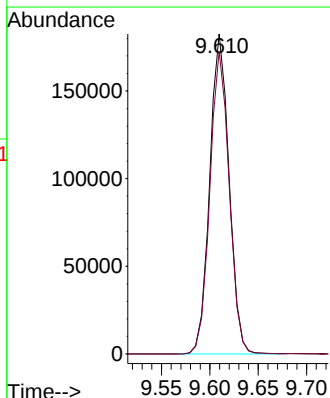
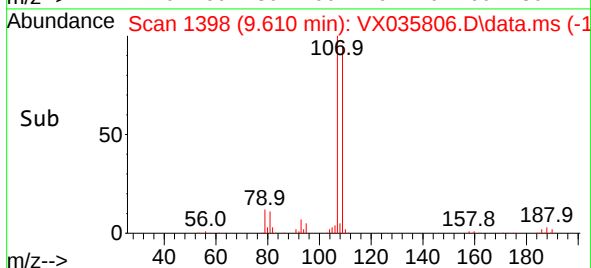
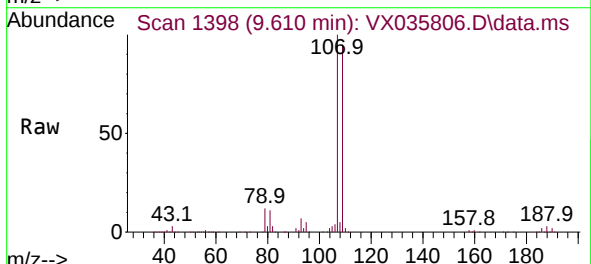
Manual Integrations  
APPROVED

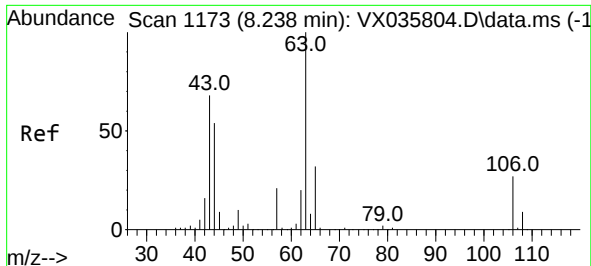
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#54  
1,2-Dibromoethane  
Concen: 70.777 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Tgt Ion:107 Resp: 253644  
Ion Ratio Lower Upper  
107 100  
109 94.2 75.4 113.2





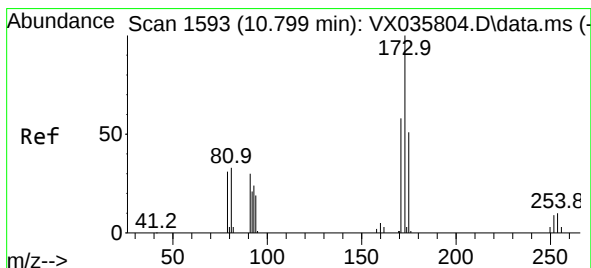
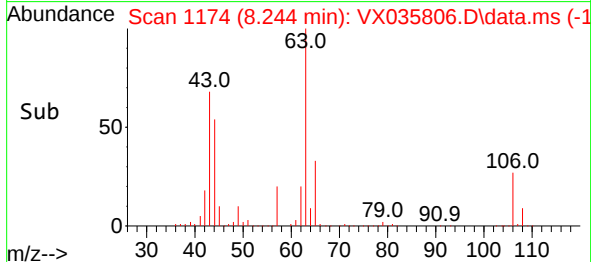
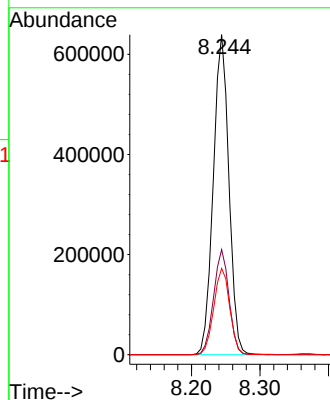
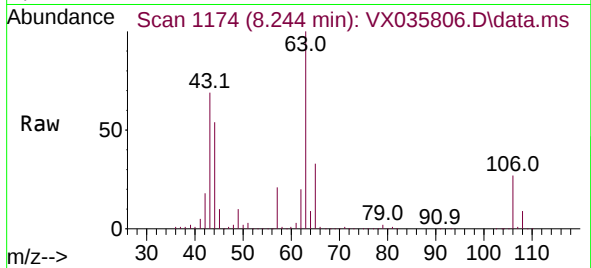
#55  
2-Chloroethyl vinyl ether  
Concen: 355.116 ug/l  
RT: 8.244 min Scan# 1173  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 63 Resp: 101192  
Ion Ratio Lower Upper  
63 100  
65 32.5 25.4 38.2  
106 27.6 21.6 32.4

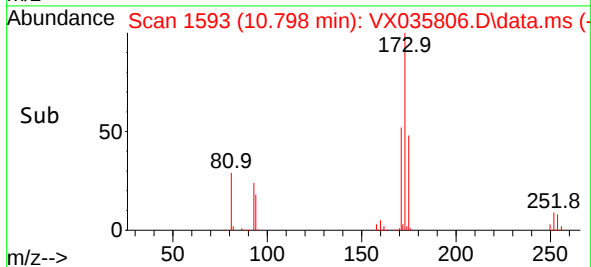
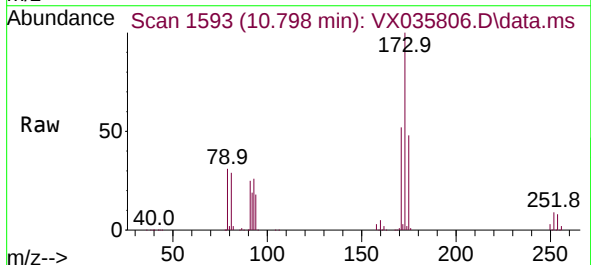
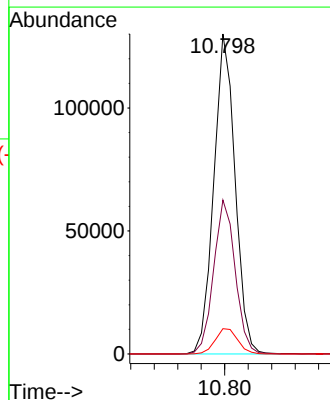
Manual Integrations  
APPROVED

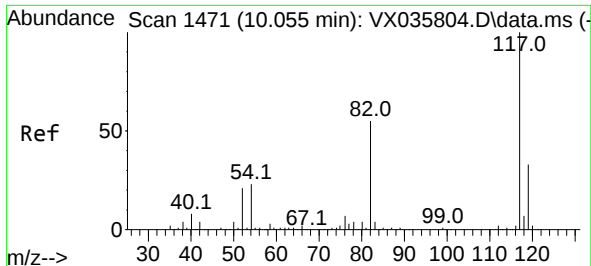
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#56  
Bromoform  
Concen: 72.225 ug/l  
RT: 10.798 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Tgt Ion:173 Resp: 163448  
Ion Ratio Lower Upper  
173 100  
175 48.9 37.0 55.4  
254 8.5 6.7 10.1





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX035806.D

Acq: 23 May 2023 10:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 117 Resp: 19114

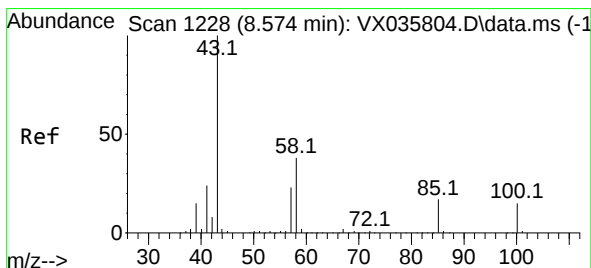
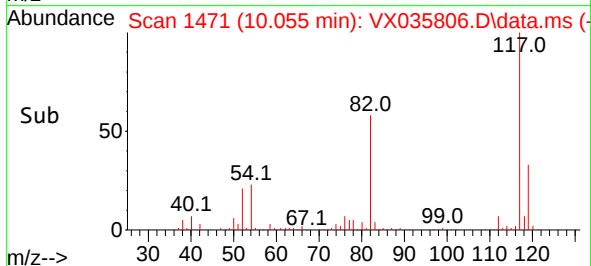
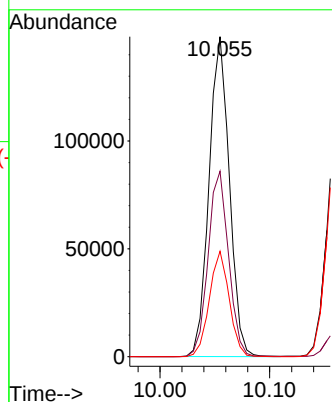
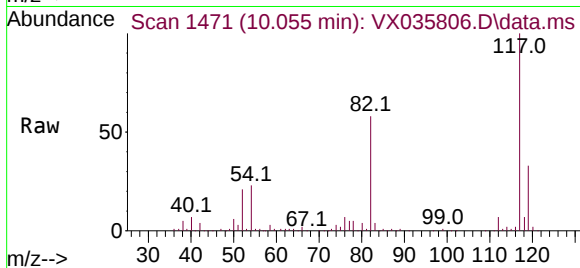
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 58.2  | 45.8  | 68.8  |
| 119 | 32.2  | 25.4  | 38.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#58

4-Methyl-2-Pentanone

Concen: 431.835 ug/l

RT: 8.579 min Scan# 1229

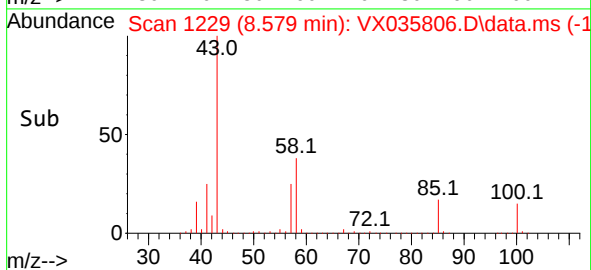
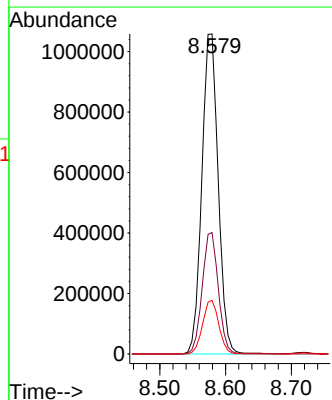
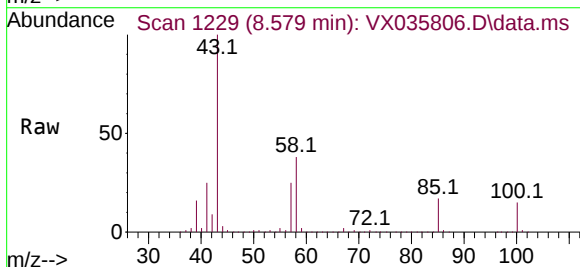
Delta R.T. 0.006 min

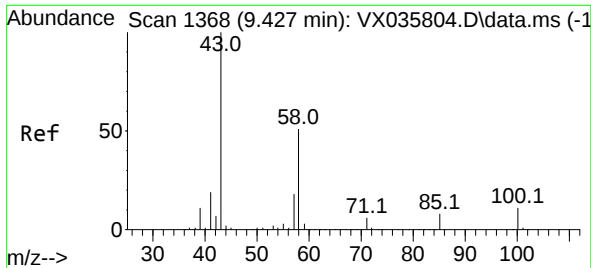
Lab File: VX035806.D

Acq: 23 May 2023 10:29

Tgt Ion: 43 Resp: 1828754

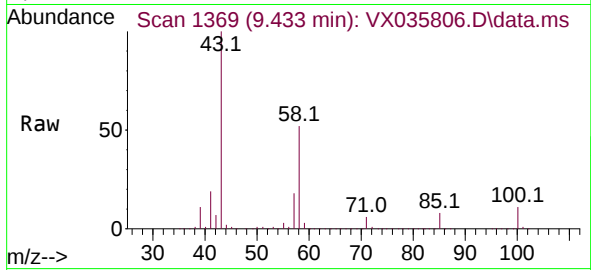
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 37.3  | 29.9  | 44.9  |
| 85  | 16.6  | 13.2  | 19.8  |





#59  
2-Hexanone  
Concen: 421.265 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

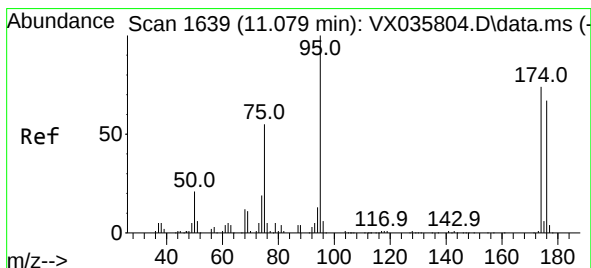
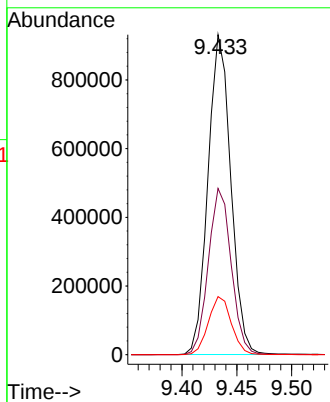
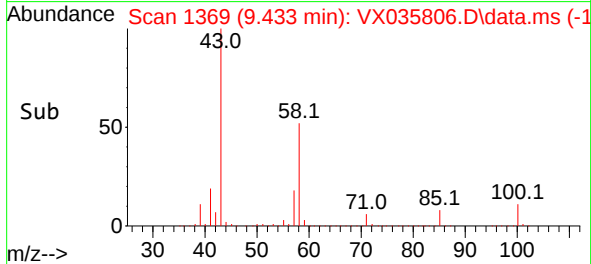
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion: 43 Resp: 1349758  
Ion Ratio Lower Upper  
43 100  
58 52.2 41.7 62.5  
57 18.3 14.7 22.1

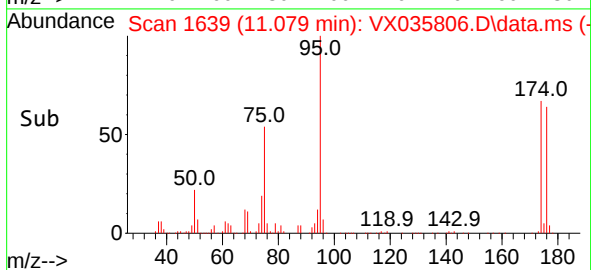
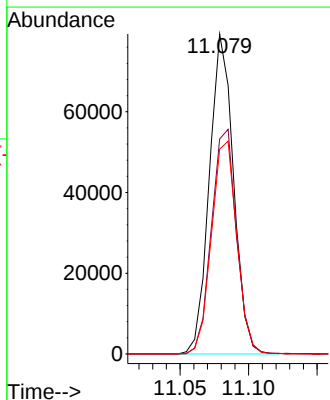
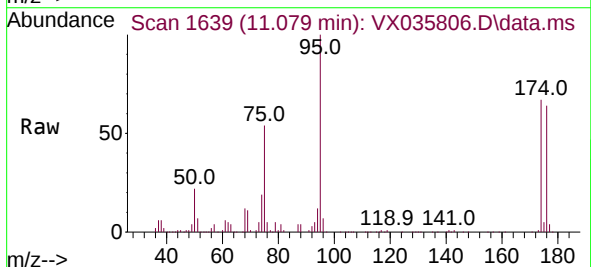
Manual Integrations  
APPROVED

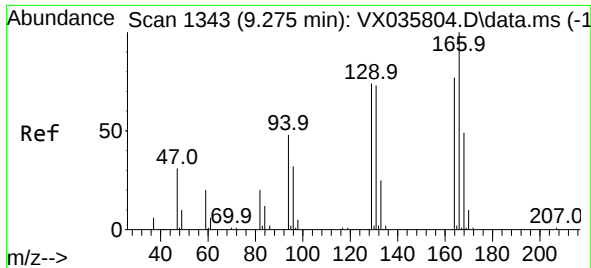
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#60  
4-Bromofluorobenzene  
Concen: 26.027 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

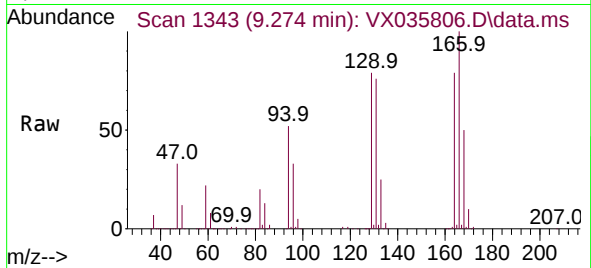
Tgt Ion: 95 Resp: 96940  
Ion Ratio Lower Upper  
95 100  
174 72.6 0.2 0.4#  
176 69.8 0.2 0.2#





#61  
Tetrachloroethene  
Concen: 76.929 ug/l  
RT: 9.274 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

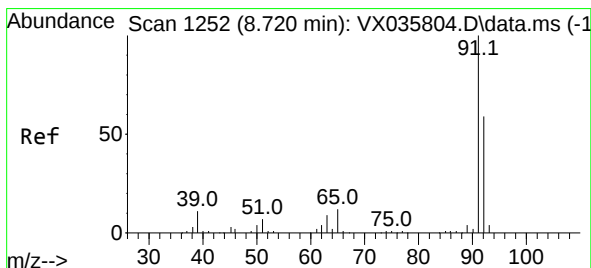
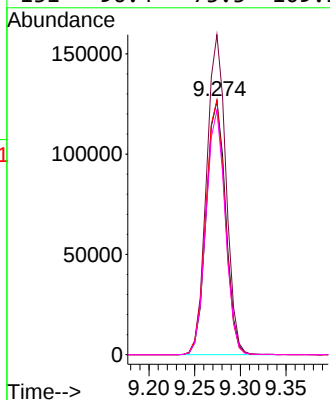
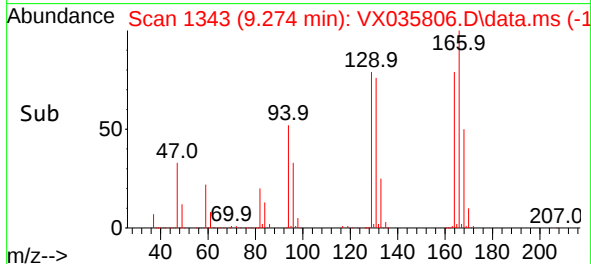
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100



Tgt Ion:164 Resp: 18750  
Ion Ratio Lower Upper  
164 100  
166 126.1 100.1 150.1  
129 100.3 79.1 118.7  
131 96.4 73.3 109.9

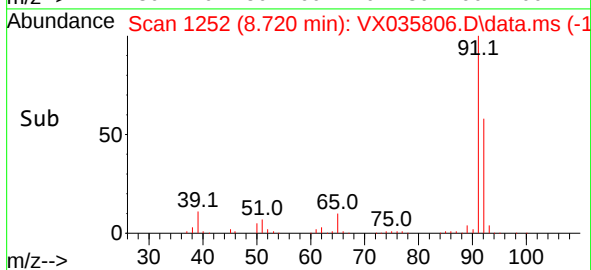
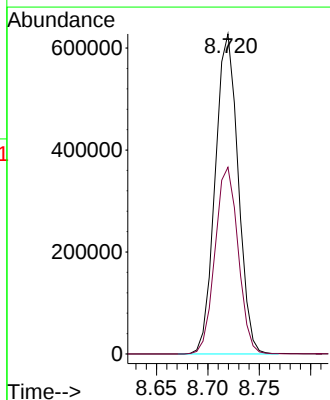
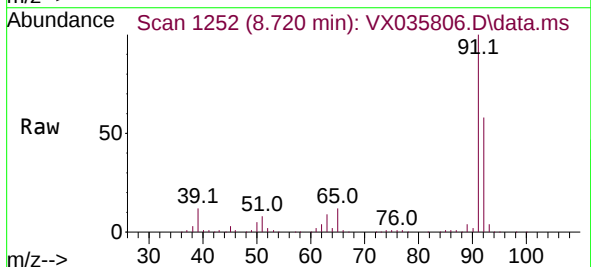
Manual Integrations  
APPROVED

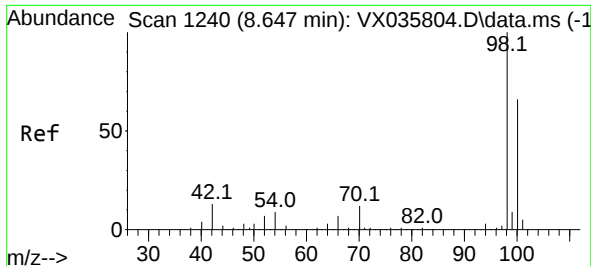
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#62  
Toluene  
Concen: 81.258 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

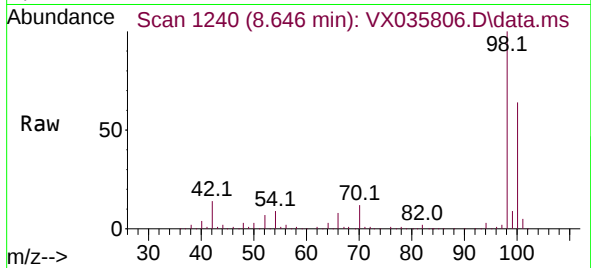
Tgt Ion: 91 Resp: 973591  
Ion Ratio Lower Upper  
91 100  
92 58.7 46.5 69.7





#63  
Toluene-d8  
Concen: 37.180 ug/l  
RT: 8.646 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

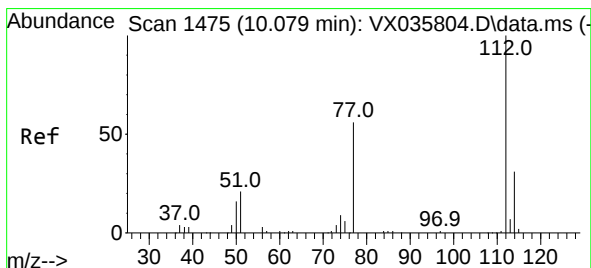
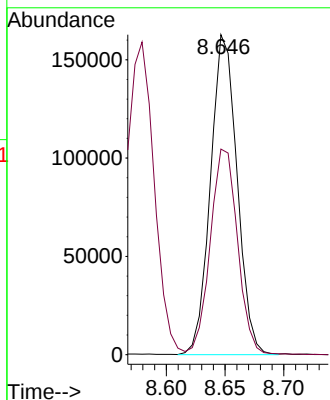
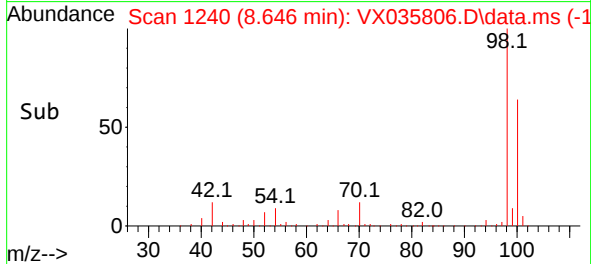
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion: 98 Resp: 255930  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.1 78.1

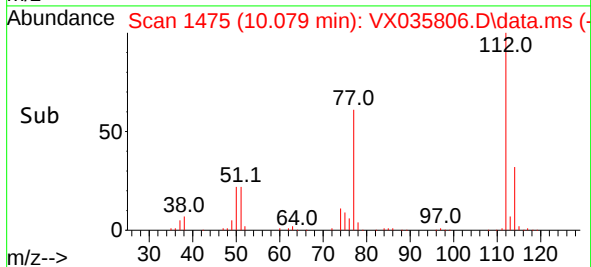
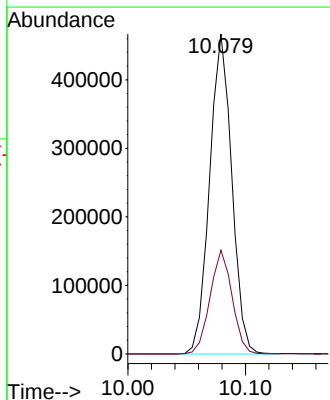
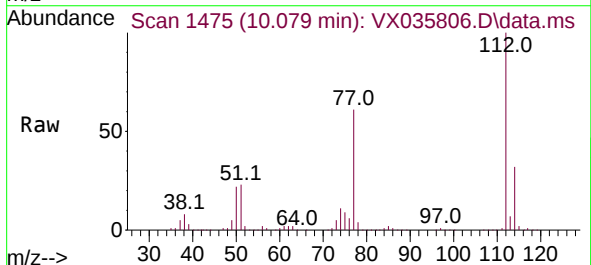
Manual Integrations  
APPROVED

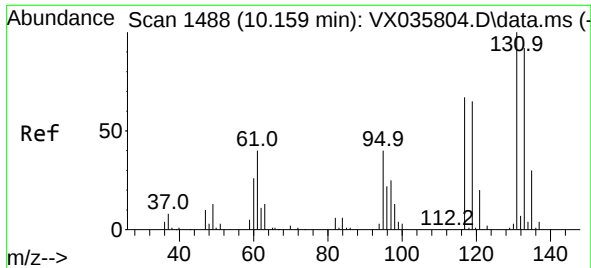
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#64  
Chlorobenzene  
Concen: 82.246 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

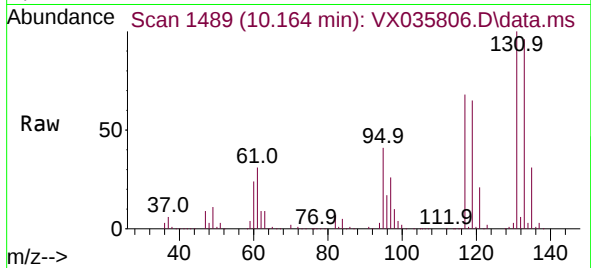
Tgt Ion:112 Resp: 611073  
Ion Ratio Lower Upper  
112 100  
114 32.4 25.8 38.8





#65  
1,1,1,2-Tetrachloroethane  
Concen: 85.777 ug/l  
RT: 10.164 min Scan# 1489  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

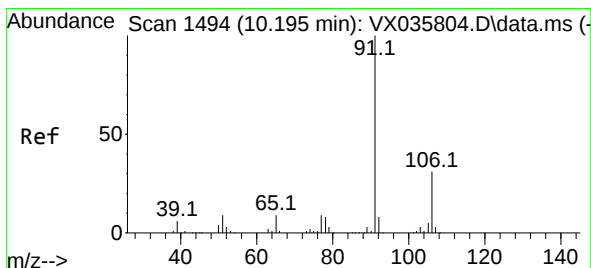
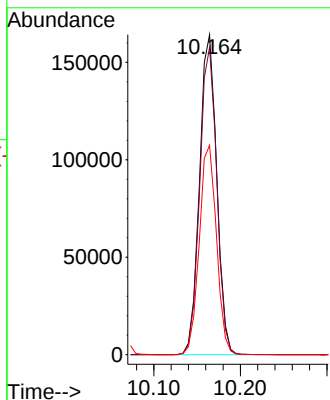
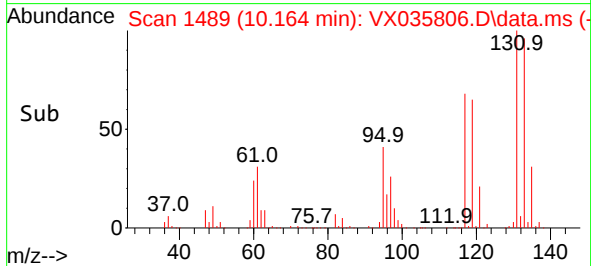
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion:131 Resp: 226290  
Ion Ratio Lower Upper  
131 100  
133 95.4 0.0 186.6  
119 65.5 0.0 128.6

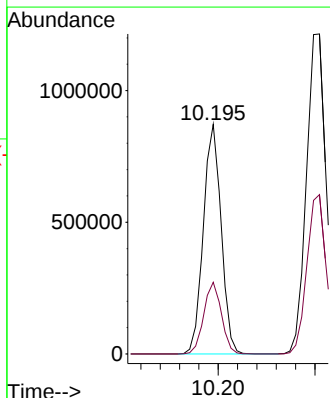
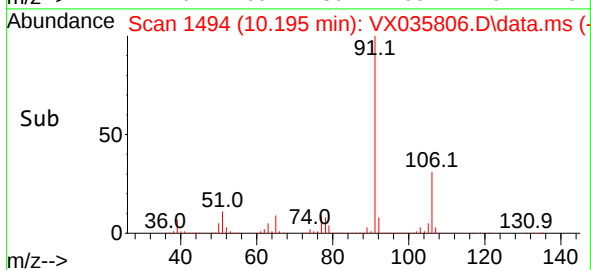
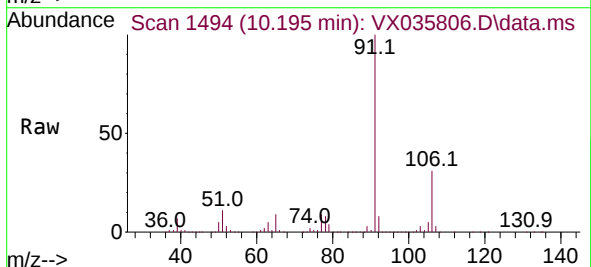
Manual Integrations  
APPROVED

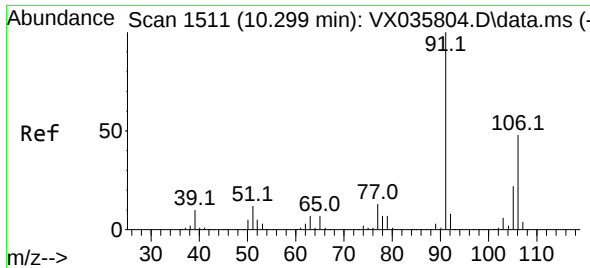
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#66  
Ethyl Benzene  
Concen: 83.698 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Tgt Ion: 91 Resp: 1115424  
Ion Ratio Lower Upper  
91 100  
106 31.2 24.4 36.6





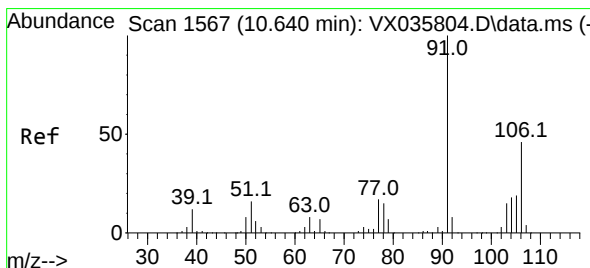
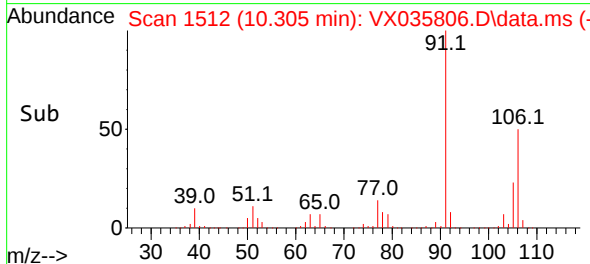
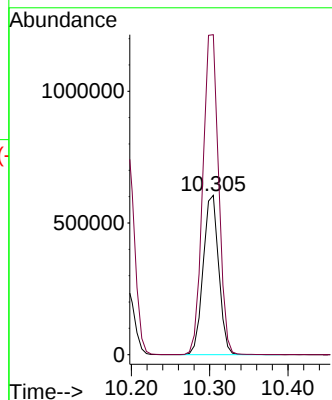
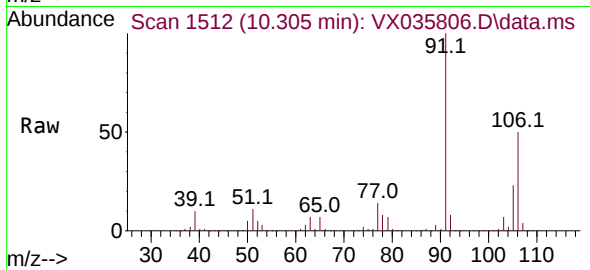
#67  
m/p-Xylenes  
Concen: 163.343 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion:106 Resp: 832460  
Ion Ratio Lower Upper  
106 100  
91 204.7 167.4 251.2

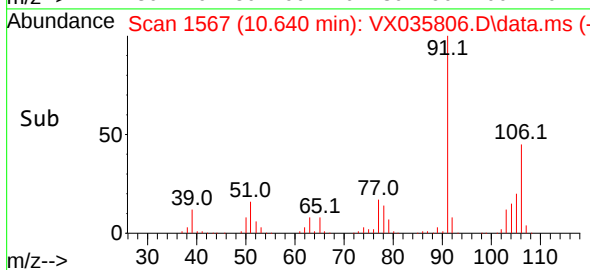
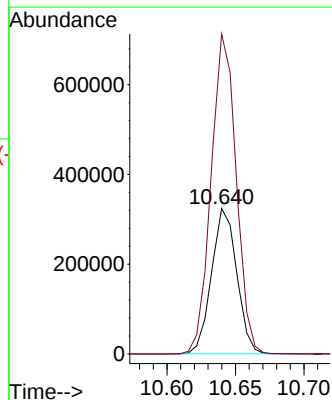
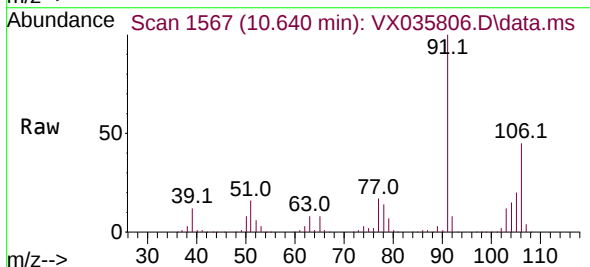
Manual Integrations  
APPROVED

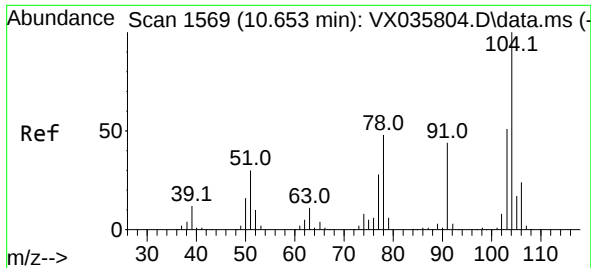
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#68  
o-Xylene  
Concen: 82.120 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

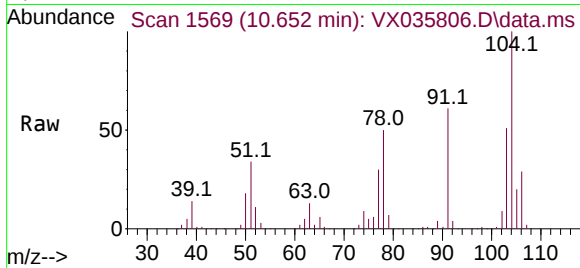
Tgt Ion:106 Resp: 414247  
Ion Ratio Lower Upper  
106 100  
91 219.0 108.9 326.8





#69  
Styrene  
Concen: 84.277 ug/l  
RT: 10.652 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

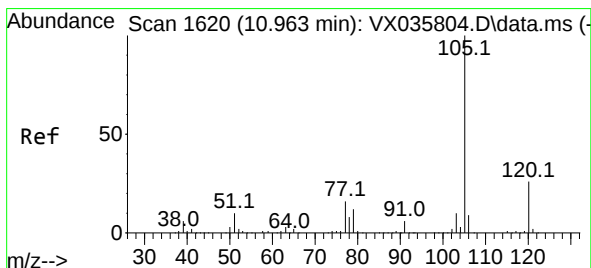
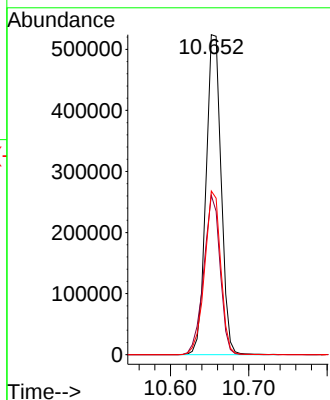
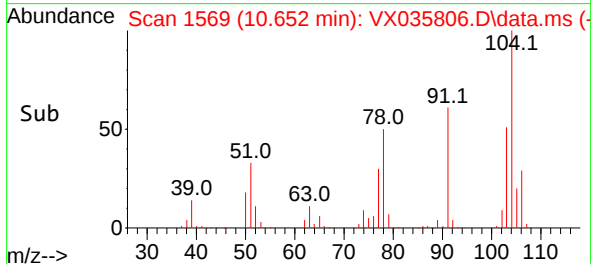
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



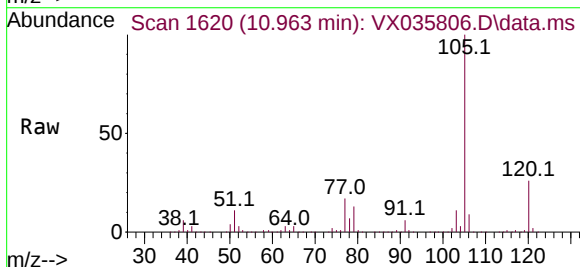
Tgt Ion:104 Resp: 702491  
Ion Ratio Lower Upper  
104 100  
78 53.6 42.8 64.2  
103 54.2 43.8 65.8

Manual Integrations  
APPROVED

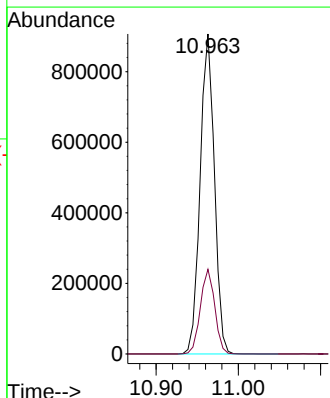
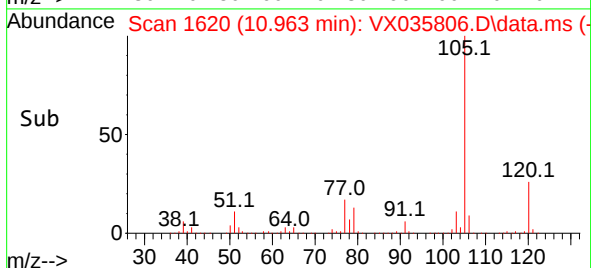
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023

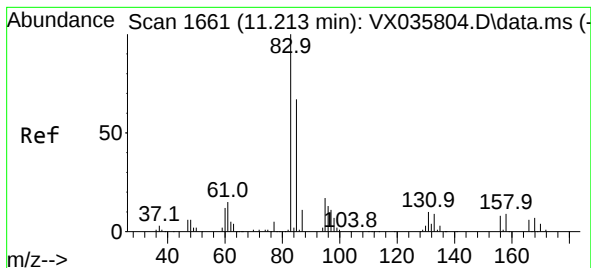


#70  
Isopropylbenzene  
Concen: 83.910 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29



Tgt Ion:105 Resp: 1090702  
Ion Ratio Lower Upper  
105 100  
120 26.6 18.5 34.3





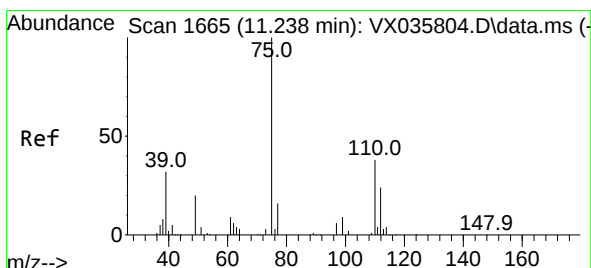
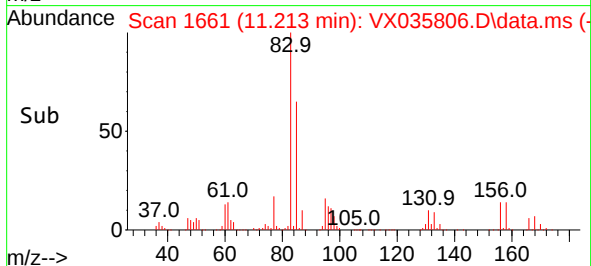
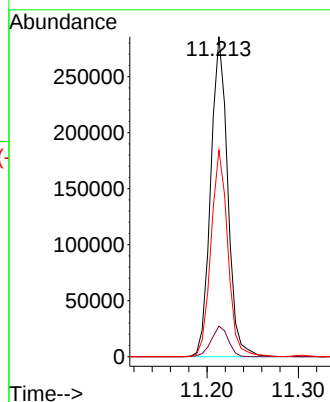
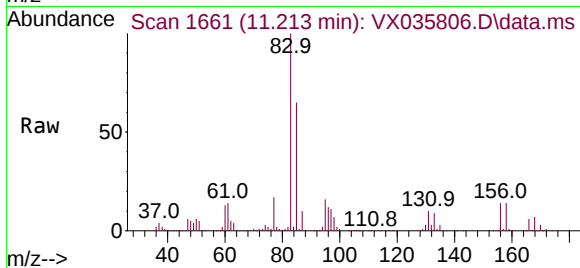
#71  
1,1,2,2-Tetrachloroethane  
Concen: 84.873 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 83 Resp: 367170  
Ion Ratio Lower Upper  
83 100  
131 9.6 5.1 15.2  
85 64.1 31.9 95.5

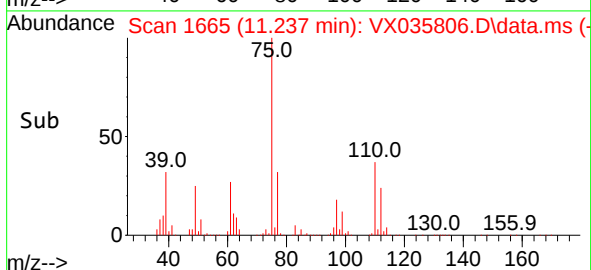
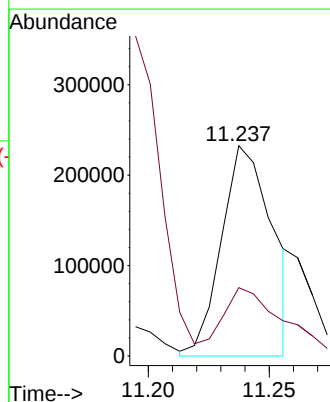
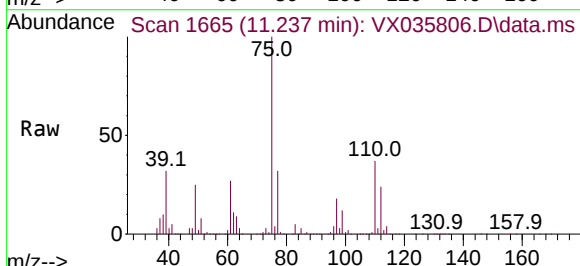
Manual Integrations  
APPROVED

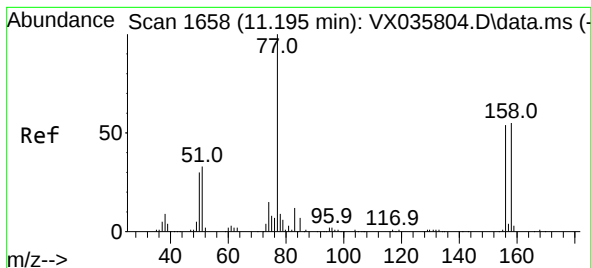
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#72  
1,2,3-Trichloropropane  
Concen: 87.794 ug/l m  
RT: 11.237 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Tgt Ion: 75 Resp: 340147  
Ion Ratio Lower Upper  
75 100  
77 39.2 0.0 73.8





#73

Bromobenzene

Concen: 82.083 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX035806.D

Acq: 23 May 2023 10:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:156 Resp: 257428

Ion Ratio Lower Upper

156 100

77 176.4 0.0 330.8

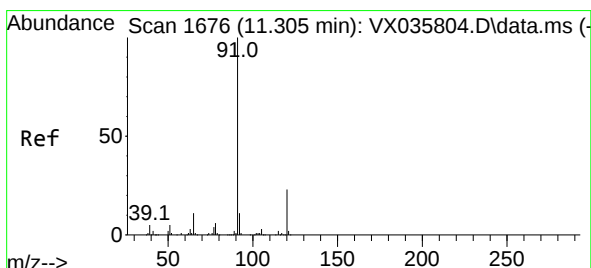
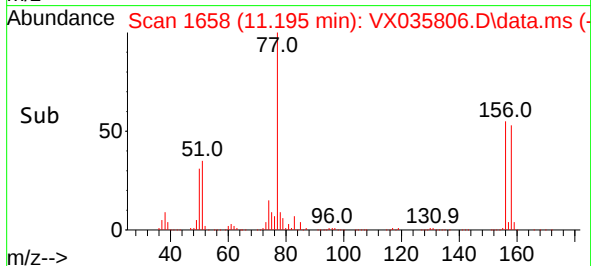
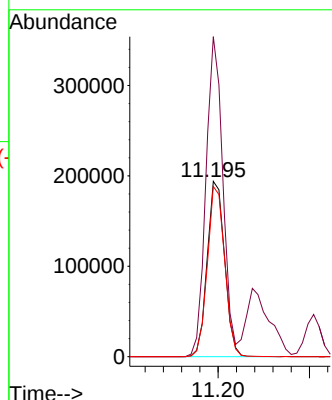
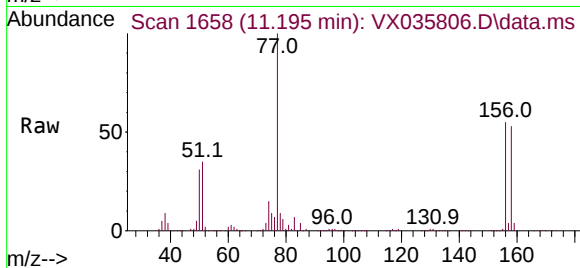
158 96.2 0.0 193.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#74

n-propylbenzene

Concen: 86.865 ug/l

RT: 11.304 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX035806.D

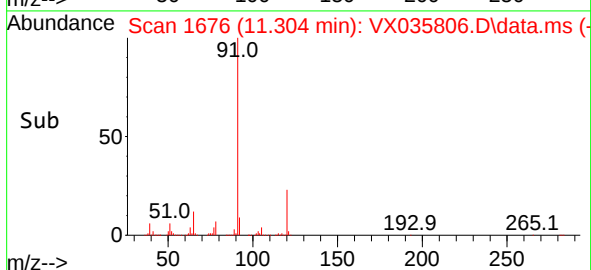
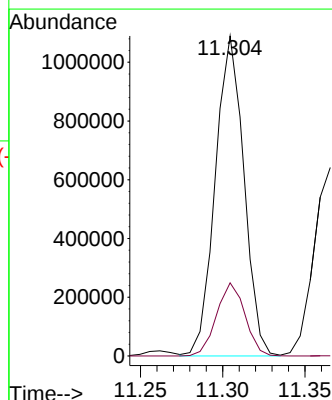
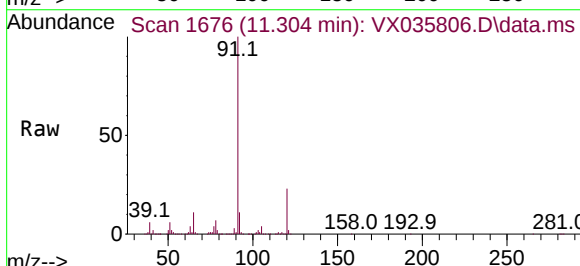
Acq: 23 May 2023 10:29

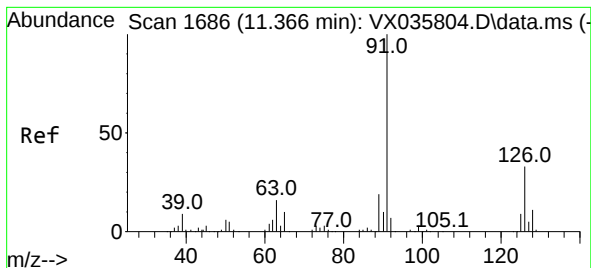
Tgt Ion: 91 Resp: 1319447

Ion Ratio Lower Upper

91 100

120 22.6 0.0 44.8





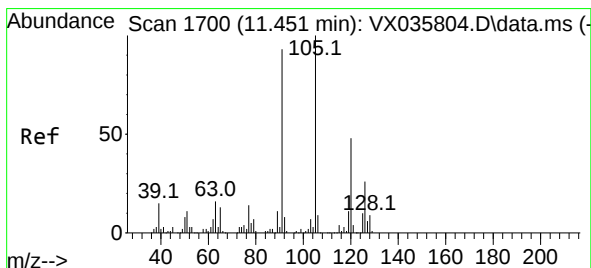
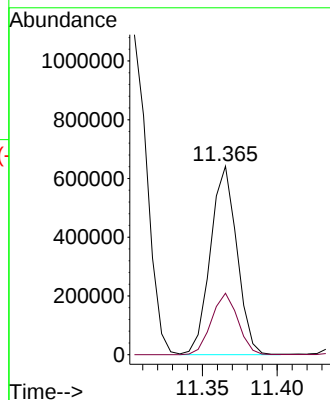
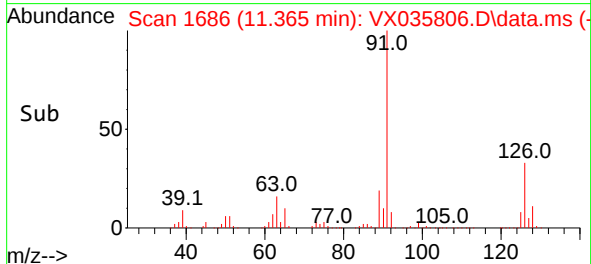
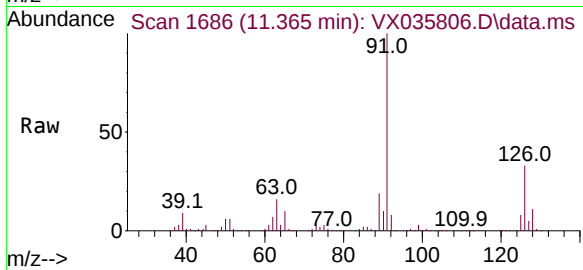
#75  
2-Chlorotoluene  
Concen: 83.486 ug/l  
RT: 11.365 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 91 Resp: 791550  
Ion Ratio Lower Upper  
91 100  
126 32.3 0.0 66.4

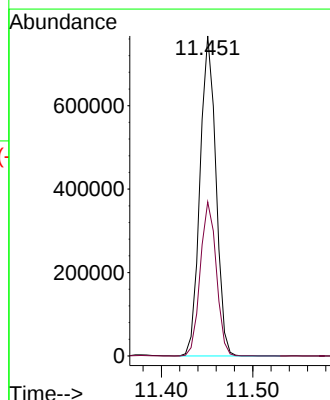
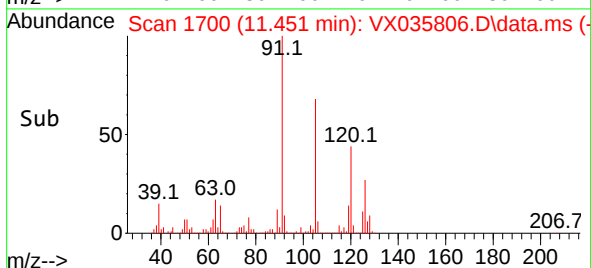
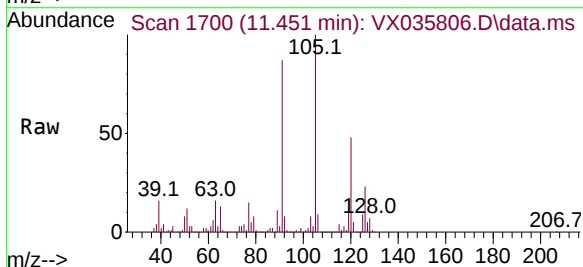
Manual Integrations  
APPROVED

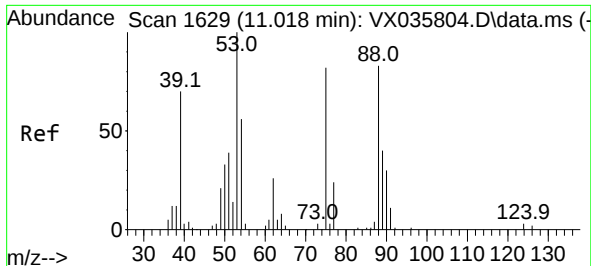
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#76  
1,3,5-Trimethylbenzene  
Concen: 84.348 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

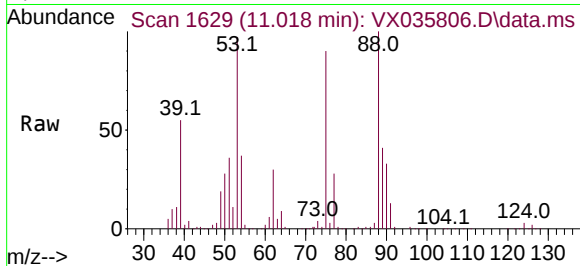
Tgt Ion:105 Resp: 925731  
Ion Ratio Lower Upper  
105 100  
120 48.5 0.0 96.4





#77  
t-1,4-Dichloro-2-butene  
Concen: 96.378 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

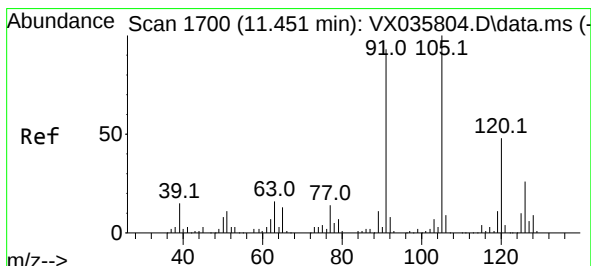
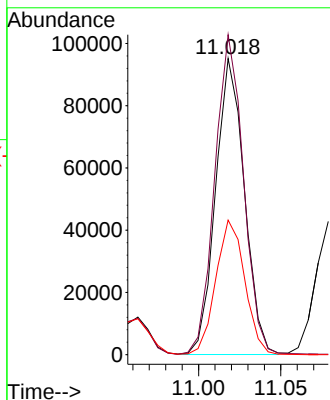
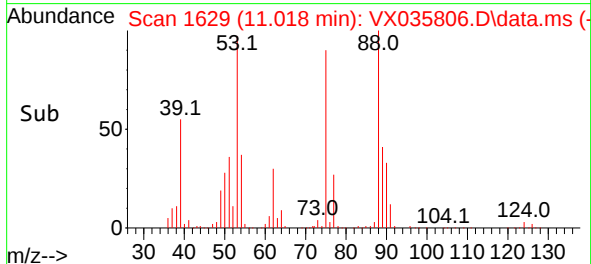
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100



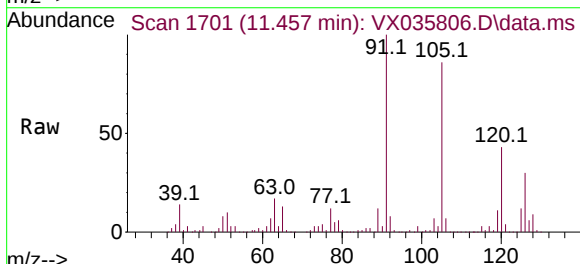
Tgt Ion: 75 Resp: 115809  
Ion Ratio Lower Upper  
75 100  
53 108.2 58.2 174.6  
89 45.4 20.6 61.8

Manual Integrations  
APPROVED

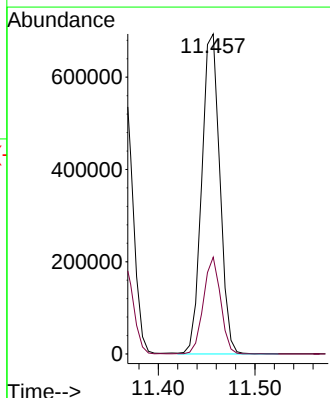
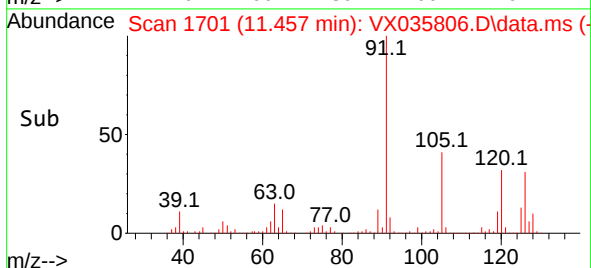
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023

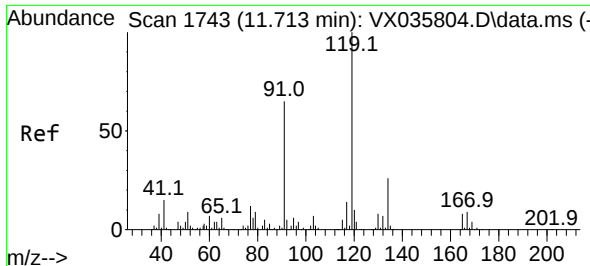


#78  
4-Chlorotoluene  
Concen: 82.897 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29



Tgt Ion: 91 Resp: 903941  
Ion Ratio Lower Upper  
91 100  
126 28.6 0.0 56.8





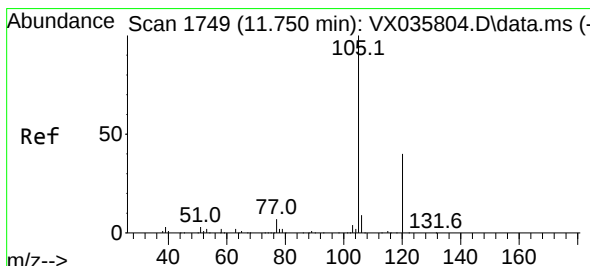
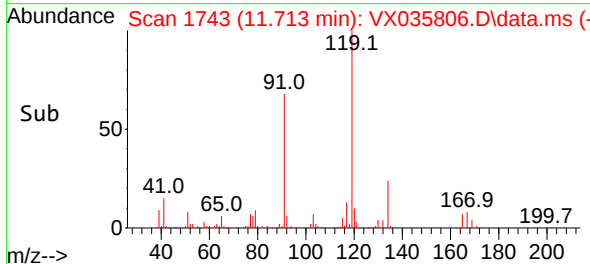
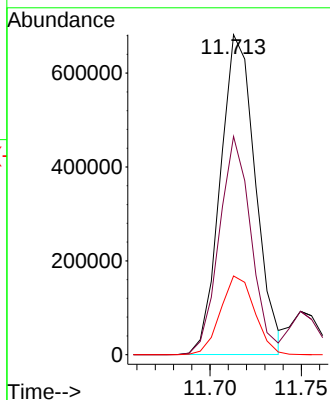
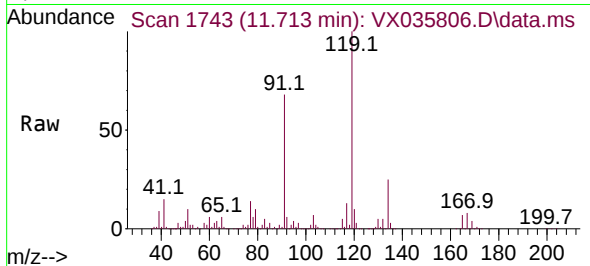
#79  
tert-butylbenzene  
Concen: 86.785 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion:119 Resp: 908629  
Ion Ratio Lower Upper  
119 100  
91 62.3 0.0 122.4  
134 24.0 0.0 49.2

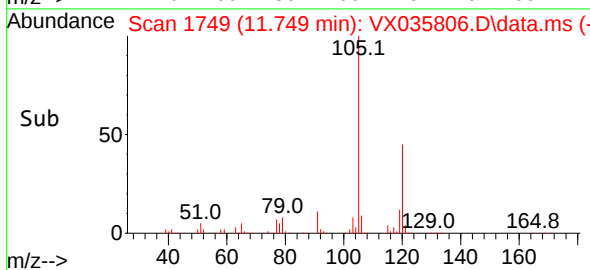
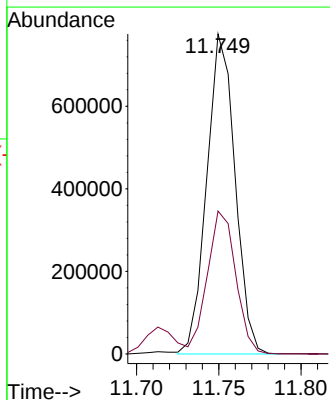
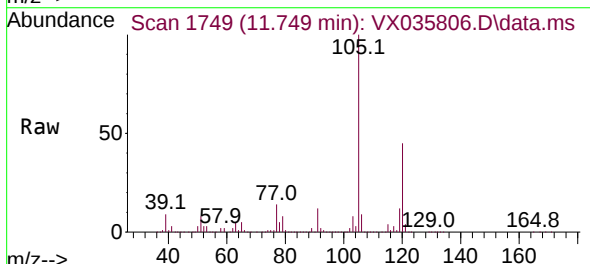
Manual Integrations  
APPROVED

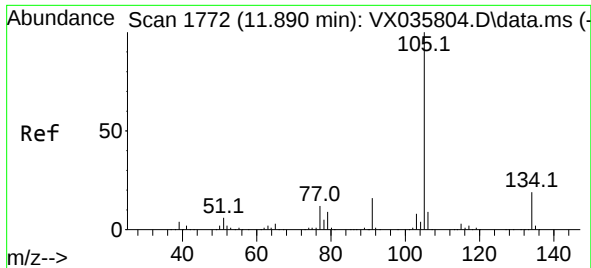
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#80  
1,2,4-Trimethylbenzene  
Concen: 84.433 ug/l  
RT: 11.749 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

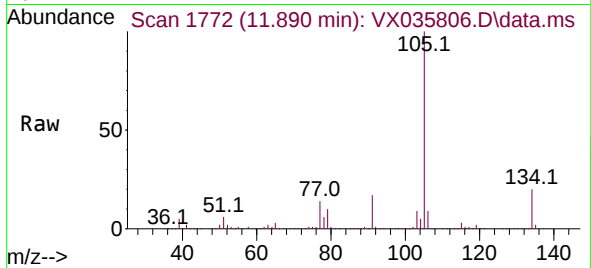
Tgt Ion:105 Resp: 925164  
Ion Ratio Lower Upper  
105 100  
120 44.8 0.0 90.4





#81  
 sec-Butylbenzene  
 Concen: 92.077 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.000 min  
 Lab File: VX035806.D  
 Acq: 23 May 2023 10:29

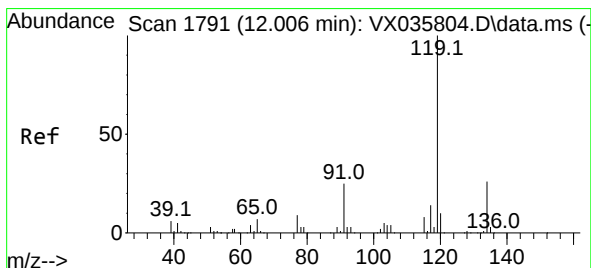
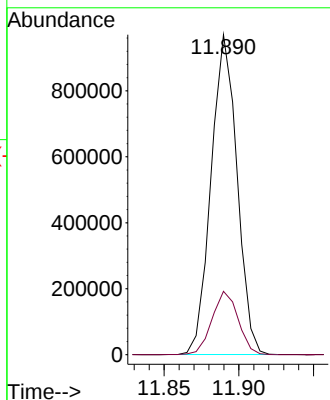
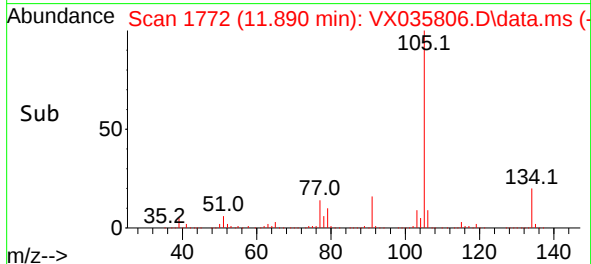
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100



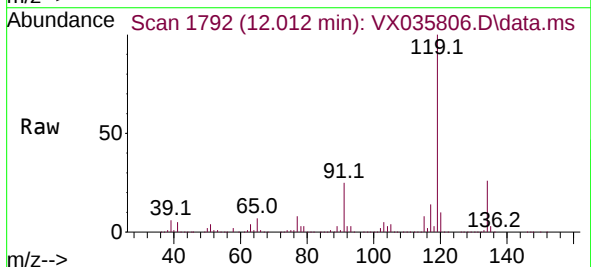
Tgt Ion:105 Resp: 1170500  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 0.0 40.2

Manual Integrations  
 APPROVED

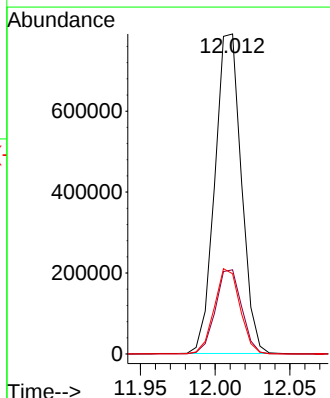
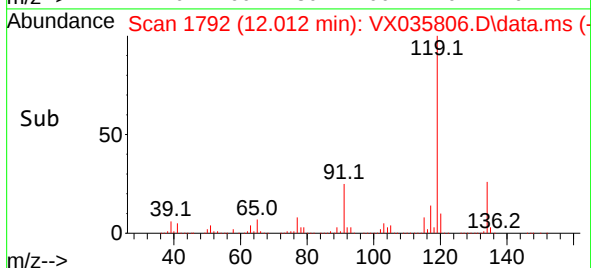
Reviewed By :John Carlone 05/25/2023  
 Supervised By :Mahesh Dadoda 05/25/2023

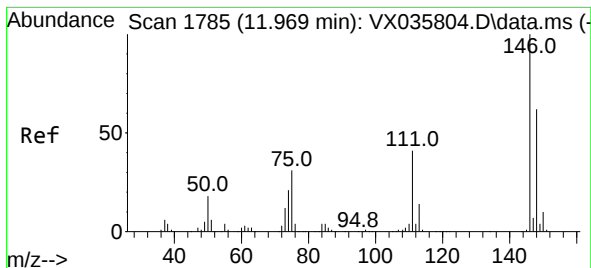


#82  
 p-Isopropyltoluene  
 Concen: 90.415 ug/l  
 RT: 12.012 min Scan# 1792  
 Delta R.T. 0.006 min  
 Lab File: VX035806.D  
 Acq: 23 May 2023 10:29



Tgt Ion:119 Resp: 971547  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 0.0 52.2  
 91 25.8 0.0 51.0





#83

1,3-Dichlorobenzene

Concen: 82.962 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX035806.D

Acq: 23 May 2023 10:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 492000

Ion Ratio Lower Upper

146 100

111 42.2 20.6 61.9

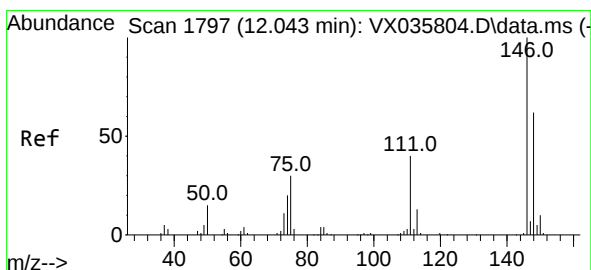
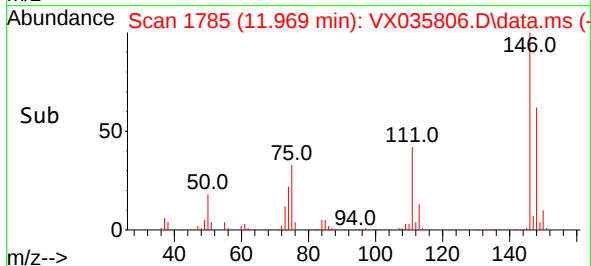
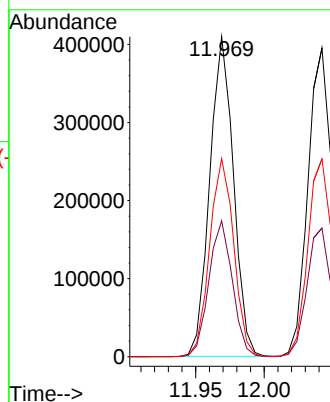
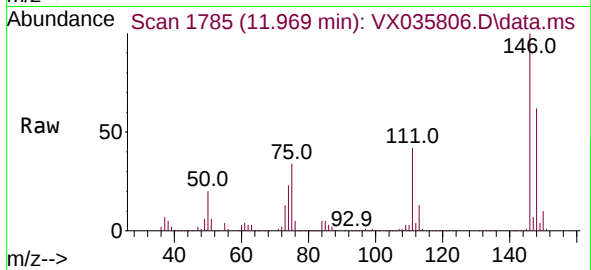
148 62.9 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#84

1,4-Dichlorobenzene

Concen: 81.390 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX035806.D

Acq: 23 May 2023 10:29

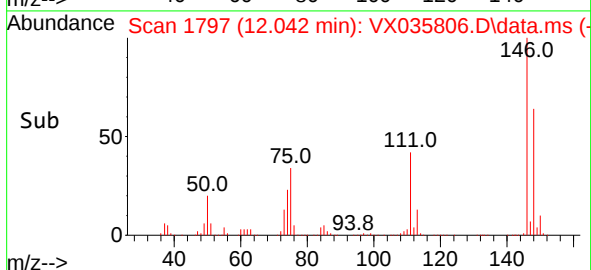
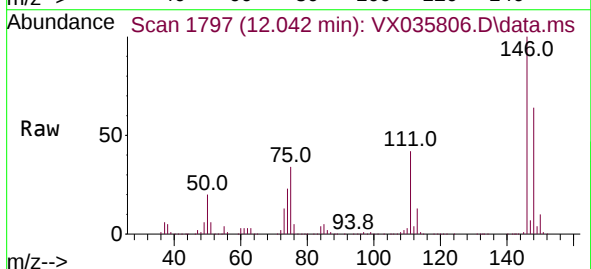
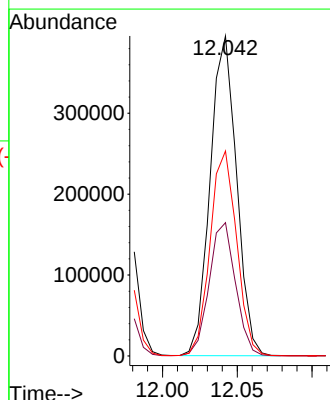
Tgt Ion:146 Resp: 485963

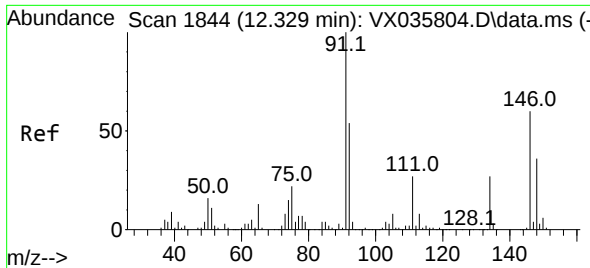
Ion Ratio Lower Upper

146 100

111 41.8 20.3 60.9

148 64.6 31.8 95.3





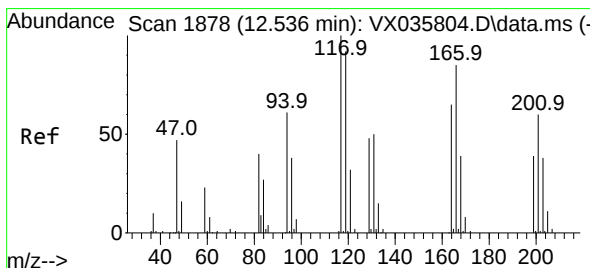
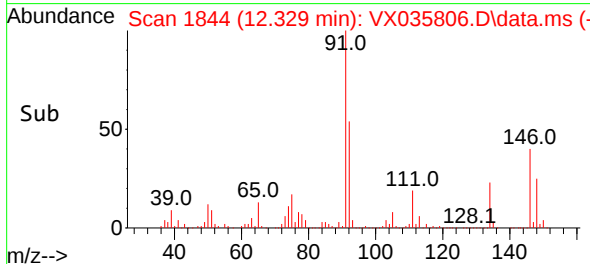
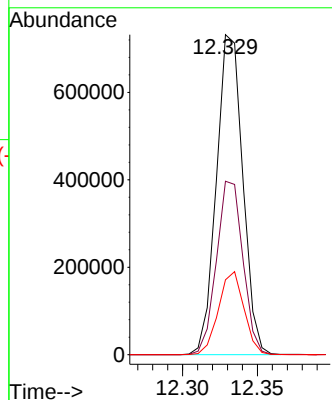
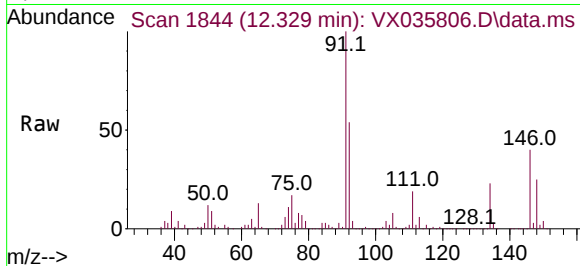
#85  
n-Butylbenzene  
Concen: 97.196 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 91 Resp: 898664  
Ion Ratio Lower Upper  
91 100  
92 54.3 0.0 107.6  
134 25.1 0.0 49.8

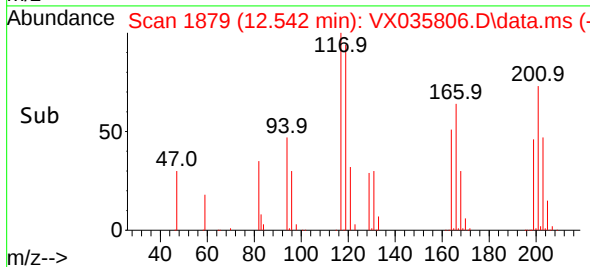
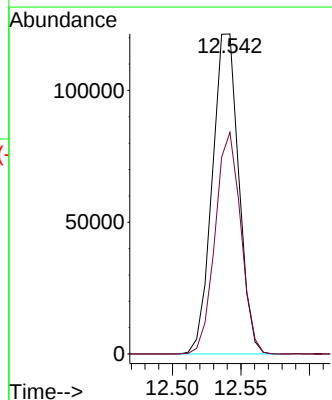
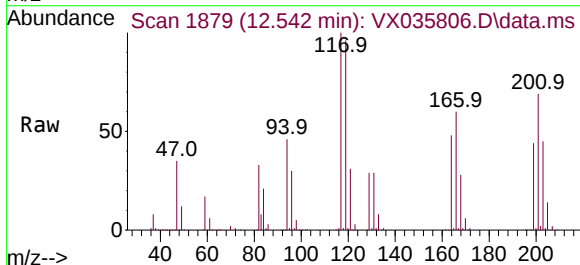
Manual Integrations  
APPROVED

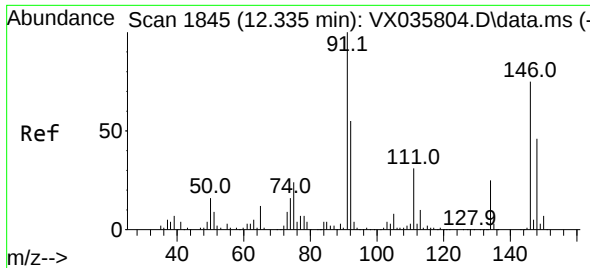
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#86  
Hexachloroethane  
Concen: 93.015 ug/l  
RT: 12.542 min Scan# 1879  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

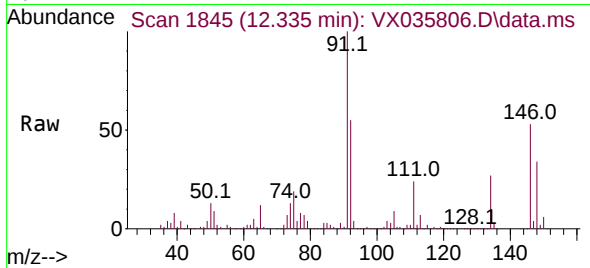
Tgt Ion:117 Resp: 163351  
Ion Ratio Lower Upper  
117 100  
201 67.1 35.4 106.2





#87  
1,2-Dichlorobenzene  
Concen: 79.677 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

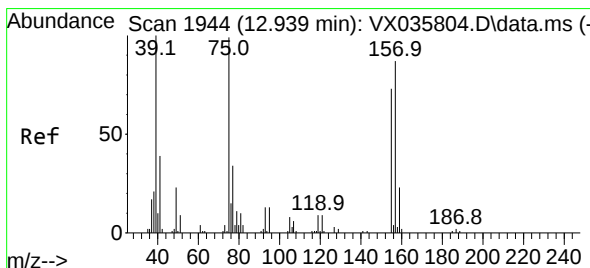
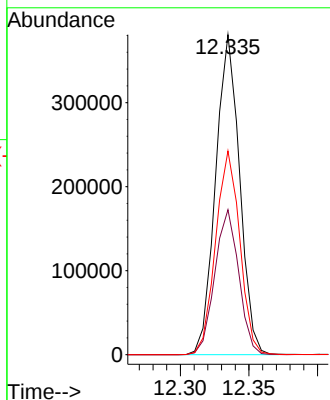
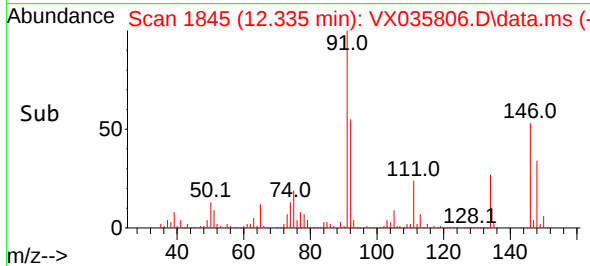
Instrument : MSVOA\_X  
ClientSampleId : VSTDICC100



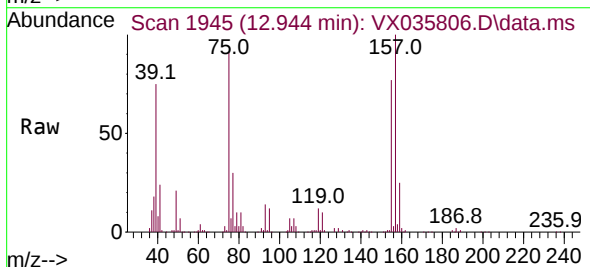
Tgt Ion:146 Resp: 463499  
Ion Ratio Lower Upper  
146 100  
111 45.2 21.3 64.0  
148 64.0 31.7 95.1

Manual Integrations  
APPROVED

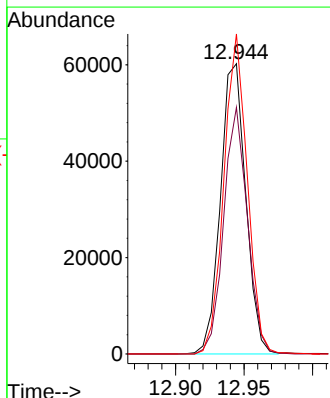
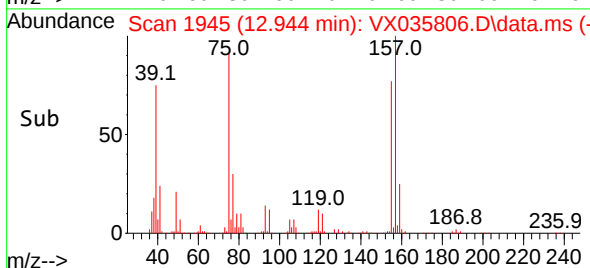
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023

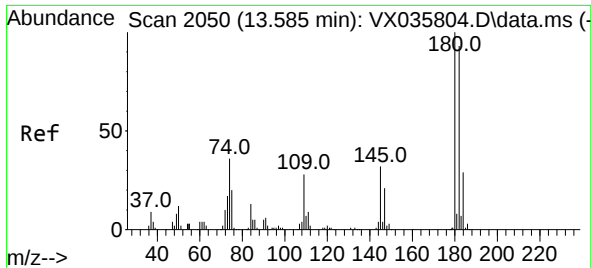


#88  
1,2-Dibromo-3-Chloropropane  
Concen: 82.553 ug/l  
RT: 12.944 min Scan# 1945  
Delta R.T. 0.006 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29



Tgt Ion: 75 Resp: 77343  
Ion Ratio Lower Upper  
75 100  
155 79.5 63.7 95.5  
157 101.7 83.7 125.5





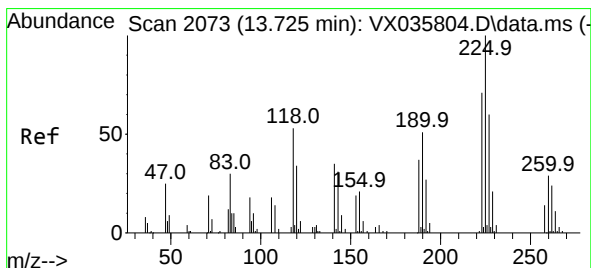
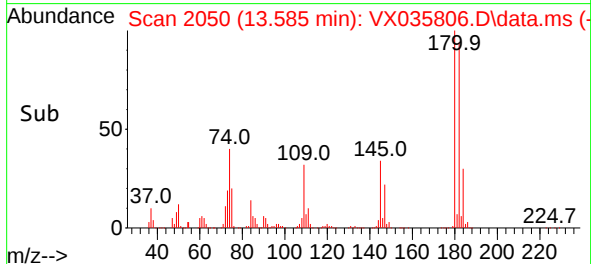
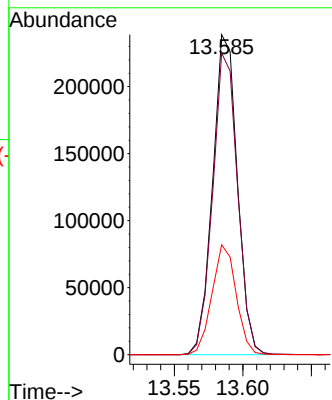
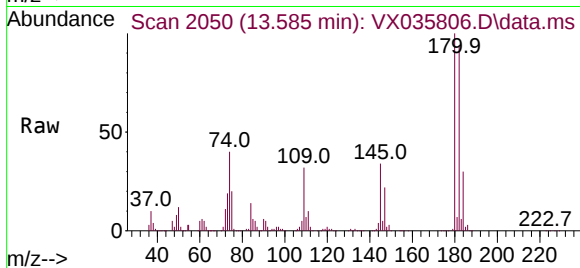
#89  
1,2,4-Trichlorobenzene  
Concen: 85.969 ug/l  
RT: 13.585 min Scan# 2050  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion:180 Resp: 29886  
Ion Ratio Lower Upper  
180 100  
182 94.8 75.8 113.8  
145 33.7 25.8 38.6

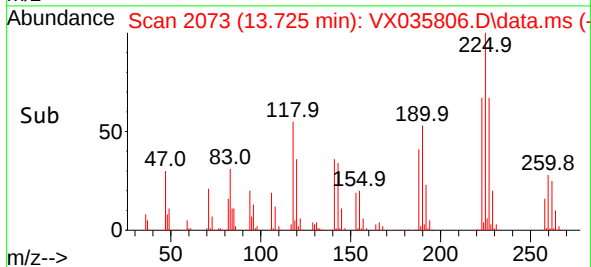
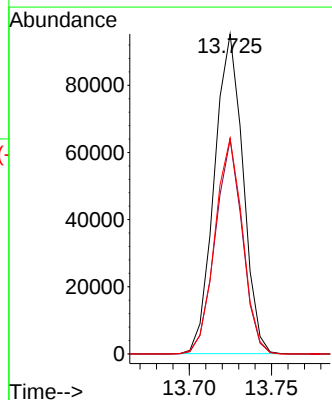
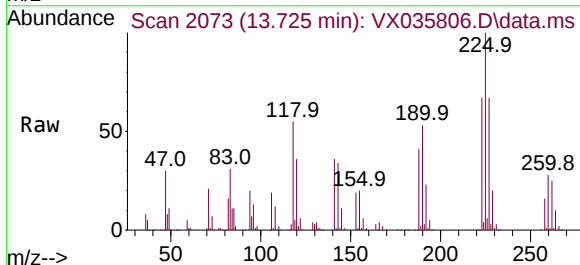
Manual Integrations  
APPROVED

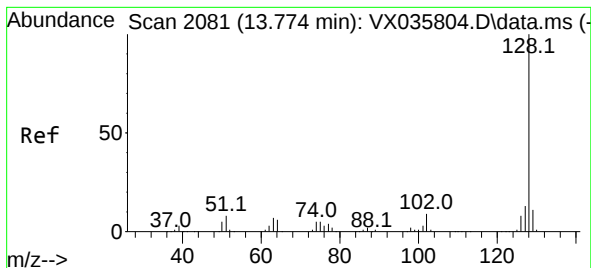
Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#90  
Hexachlorobutadiene  
Concen: 88.519 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

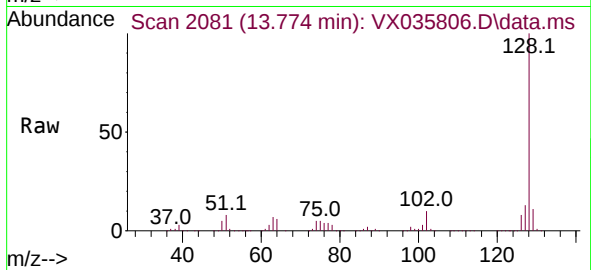
Tgt Ion:225 Resp: 115100  
Ion Ratio Lower Upper  
225 100  
223 63.7 0.0 124.2  
227 65.6 0.0 122.8





#91  
Naphthalene  
Concen: 84.438 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29

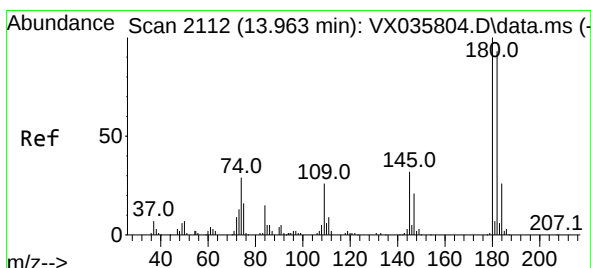
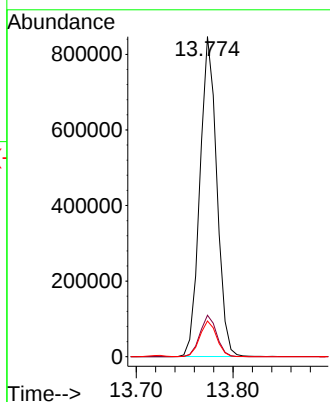
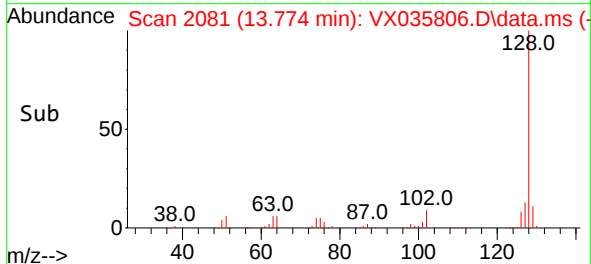
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



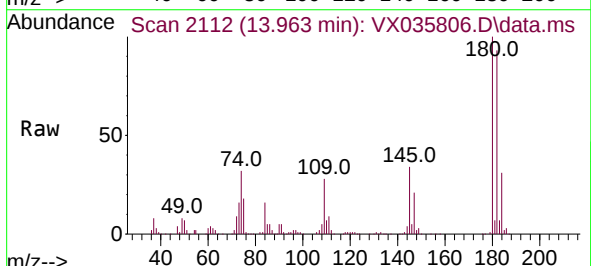
Tgt Ion:128 Resp: 1031044  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.3 15.5  
129 11.1 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#92  
1,2,3-Trichlorobenzene  
Concen: 85.295 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. -0.000 min  
Lab File: VX035806.D  
Acq: 23 May 2023 10:29



Tgt Ion:180 Resp: 295079  
Ion Ratio Lower Upper  
180 100  
182 95.0 0.0 191.0  
145 35.2 0.0 66.8

