

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100523\  
 Data File : VX038108.D  
 Acq On : 05 Oct 2023 18:50  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/06/2023  
 Supervised By : Mahesh Dadoda 10/06/2023

Quant Time: Oct 06 06:33:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X092723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Sep 28 06:08:32 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Bromochloromethane        | 4.904          | 128  | 23602                | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.763          | 114  | 135402               | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055         | 117  | 134334               | 30.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.958          | 65   | 60271                | 35.426  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 118.100%# |         |        |          |
| 60) 4-Bromofluorobenzene     | 11.079         | 95   | 66988                | 30.590  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 101.967%  |         |        |          |
| 63) Toluene-d8               | 8.647          | 98   | 177047               | 30.531  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 101.767%  |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 24853                | 20.087  | ug/l   | 99       |
| 3) Chloromethane             | 1.307          | 50   | 24829                | 18.738  | ug/l   | 95       |
| 4) Vinyl Chloride            | 1.374          | 62   | 30496                | 20.559  | ug/l   | 96       |
| 5) Bromomethane              | 1.605          | 94   | 30494                | 26.686  | ug/l   | 100      |
| 6) Chloroethane              | 1.685          | 64   | 22872                | 22.968  | ug/l # | 89       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 59978                | 24.496  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 22379                | 24.774  | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 23147                | 18.542  | ug/l   | 96       |
| 10) 1,1-Dichloroethene       | 2.319          | 96   | 21979                | 17.986  | ug/l   | 93       |
| 11) Methyl Iodide            | 2.453          | 142  | 32852                | 19.864  | ug/l   | 97       |
| 12) Methyl Acetate           | 2.703          | 43   | 68412                | 27.543  | ug/l   | 99       |
| 13) Acrolein                 | 2.233          | 56   | 48994                | 170.936 | ug/l   | 95       |
| 14) Acrylonitrile            | 3.062          | 53   | 94859                | 138.324 | ug/l   | 97       |
| 15) Acetone                  | 2.380          | 58   | 27058                | 136.406 | ug/l   | 97       |
| 16) Carbon Disulfide         | 2.514          | 76   | 55130                | 18.488  | ug/l   | 99       |
| 17) Allyl chloride           | 2.666          | 41   | 38718                | 20.696  | ug/l   | 93       |
| 18) Methylene Chloride       | 2.788          | 84   | 29859                | 20.387  | ug/l   | 96       |
| 19) trans-1,2-Dichloroethene | 3.093          | 96   | 28259                | 20.518  | ug/l   | 97       |
| 20) Diisopropyl ether        | 3.764          | 45   | 86835                | 21.741  | ug/l # | 88       |
| 21) 1,1-Dichloroethane       | 3.611          | 63   | 51754                | 21.447  | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 4.489          | 96   | 33725                | 20.623  | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 2.959          | 59   | 46001                | 160.768 | ug/l # | 1        |
| 24) Methyl tert-Butyl Ether  | 3.111          | 73   | 91325                | 21.592  | ug/l   | 97       |
| 25) Chloroform               | 5.099          | 83   | 58878                | 22.186  | ug/l   | 100      |
| 26) Cyclohexane              | 5.477          | 56   | 42193                | 20.546  | ug/l # | 95       |
| 29) 1,1-Dichloropropene      | 5.690          | 75   | 41376                | 21.139  | ug/l   | 99       |
| 30) 2-Butanone               | 4.556          | 43   | 139317               | 148.315 | ug/l   | 98       |
| 31) 2,2-Dichloropropane      | 4.477          | 77   | 36500                | 18.511  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 47828                | 20.393  | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 5.678          | 117  | 40308                | 20.077  | ug/l   | 99       |
| 34) Benzene                  | 6.038          | 78   | 120570               | 20.621  | ug/l   | 99       |
| 35) Methacrylonitrile        | 4.922          | 41   | 25162                | 25.479  | ug/l   | 95       |
| 36) 1,2-Dichloroethane       | 6.086          | 62   | 47925                | 23.171  | ug/l   | 98       |
| 37) Trichloroethene          | 7.129          | 130  | 32026                | 19.855  | ug/l   | 94       |
| 38) Methylcyclohexane        | 7.379          | 83   | 48670                | 19.783  | ug/l   | 97       |
| 39) 1,2-Dichloropropane      | 7.434          | 63   | 31281                | 20.912  | ug/l   | 93       |
| 40) Dibromomethane           | 7.580          | 93   | 25029                | 22.676  | ug/l   | 93       |
| 41) Bromodichloromethane     | 7.824          | 83   | 43317                | 21.495  | ug/l   | 97       |
| 42) Vinyl Acetate            | 3.727          | 43   | 335157               | 113.186 | ug/l   | 100      |

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 Acq On : 05 Oct 2023 18:50  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

Quant Time: Oct 06 06:33:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X092723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Sep 28 06:08:32 2023  
 Response via : Initial Calibration

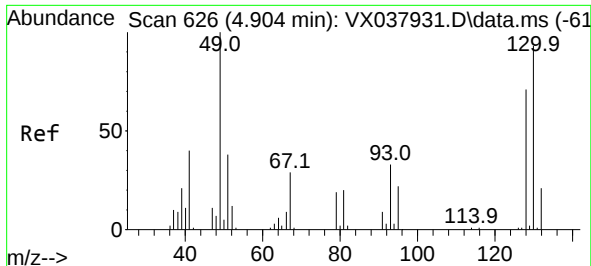
Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/06/2023  
 Supervised By : Mahesh Dadoda 10/06/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 4.715  | 43   | 50172    | 27.018  | ug/l   | 98       |
| 44) Isopropyl Acetate         | 6.342  | 43   | 75870    | 24.696  | ug/l   | 99       |
| 45) 1,4-Dioxane               | 7.659  | 88   | 18544    | 523.825 | ug/l # | 1        |
| 46) Methyl methacrylate       | 7.696  | 41   | 36392    | 24.920  | ug/l   | 97       |
| 47) n-amyl Acetate            | 10.842 | 43   | 66524    | 23.016  | ug/l   | 96       |
| 48) t-1,3-Dichloropropene     | 8.982  | 75   | 43240    | 19.752  | ug/l   | 94       |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 47509    | 20.208  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 34313    | 21.754  | ug/l   | 97       |
| 51) Ethyl methacrylate        | 9.116  | 69   | 51607    | 22.205  | ug/l   | 97       |
| 52) 1,3-Dichloropropane       | 9.311  | 76   | 55871    | 22.081  | ug/l   | 98       |
| 53) Dibromochloromethane      | 9.519  | 129  | 32723    | 20.129  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 37099    | 21.674  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether | 8.244  | 63   | 130771   | 115.424 | ug/l   | 99       |
| 56) Bromoform                 | 10.799 | 173  | 22760    | 18.615  | ug/l   | 98       |
| 58) 4-Methyl-2-Pentanone      | 8.574  | 43   | 275850   | 140.276 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 221543   | 148.348 | ug/l   | 100      |
| 61) Tetrachloroethene         | 9.275  | 164  | 27153    | 18.994  | ug/l   | 94       |
| 62) Toluene                   | 8.720  | 91   | 140668   | 20.187  | ug/l   | 99       |
| 64) Chlorobenzene             | 10.080 | 112  | 87141    | 20.047  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 30306    | 19.207  | ug/l   | 97       |
| 66) Ethyl Benzene             | 10.195 | 91   | 159835   | 20.783  | ug/l   | 98       |
| 67) m/p-Xylenes               | 10.299 | 106  | 122115   | 40.307  | ug/l   | 97       |
| 68) o-Xylene                  | 10.640 | 106  | 59241    | 20.192  | ug/l   | 95       |
| 69) Styrene                   | 10.659 | 104  | 99313    | 20.178  | ug/l   | 98       |
| 70) Isopropylbenzene          | 10.964 | 105  | 155663   | 19.993  | ug/l   | 96       |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 59592    | 23.223  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 53095m   | 23.565  | ug/l   |          |
| 73) Bromobenzene              | 11.201 | 156  | 38331    | 19.409  | ug/l   | 98       |
| 74) n-propylbenzene           | 11.305 | 91   | 194945   | 20.958  | ug/l   | 97       |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 114259   | 20.982  | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 135034   | 20.111  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 13823    | 19.371  | ug/l   | 95       |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 133045   | 20.826  | ug/l   | 100      |
| 79) tert-butylbenzene         | 11.713 | 119  | 131904   | 19.960  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 136099   | 20.390  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 11.890 | 105  | 175849   | 20.692  | ug/l   | 96       |
| 82) p-Isopropyltoluene        | 12.012 | 119  | 141291   | 19.803  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 75225    | 19.714  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 12.043 | 146  | 76490    | 19.782  | ug/l   | 100      |
| 85) n-Butylbenzene            | 12.335 | 91   | 136400   | 20.433  | ug/l   | 98       |
| 86) Hexachloroethane          | 12.536 | 117  | 21302    | 18.325  | ug/l   | 99       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 73255    | 19.485  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 13777    | 26.955  | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 47588    | 18.604  | ug/l   | 97       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 19539    | 17.388  | ug/l   | 96       |
| 91) Naphthalene               | 13.774 | 128  | 170687   | 22.002  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 47530    | 19.086  | ug/l   | 100      |

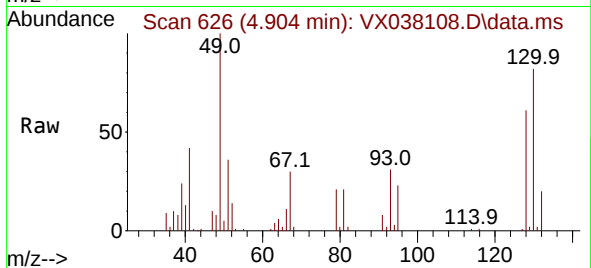
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.904 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

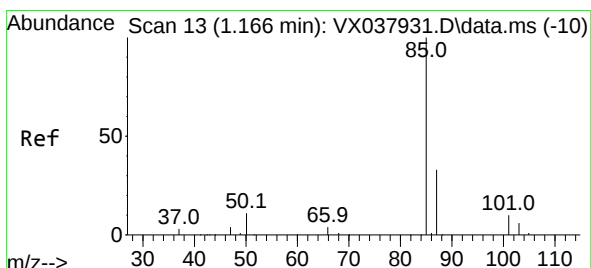
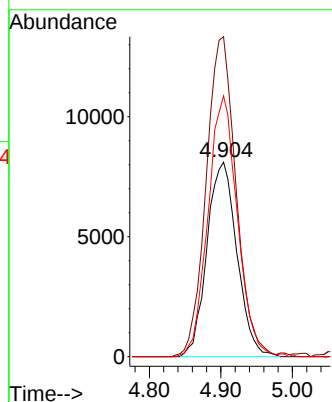
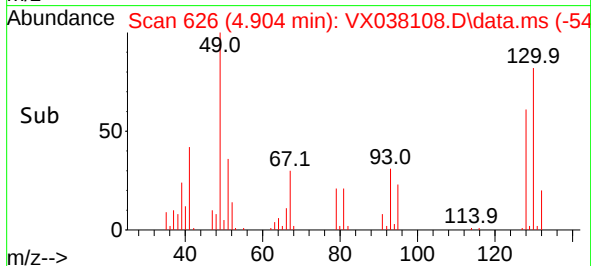
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion:128 Resp: 2360  
Ion Ratio Lower Upper  
128 100  
49 163.6 0.0 406.3  
130 131.5 0.0 328.0

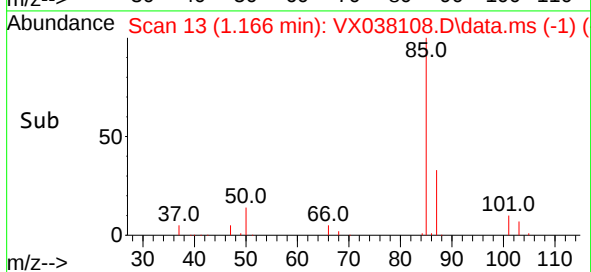
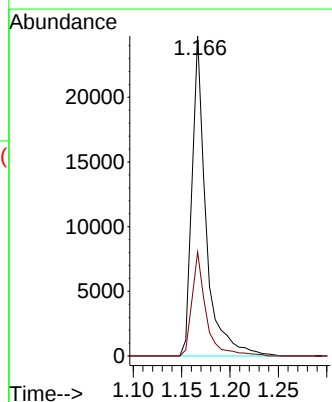
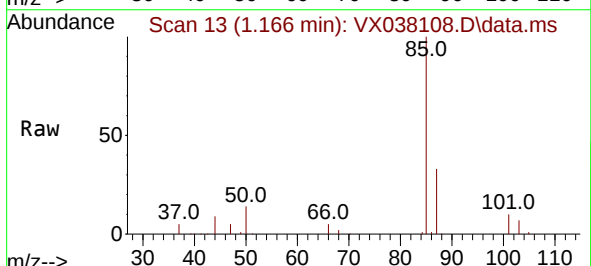
Manual Integrations  
APPROVED

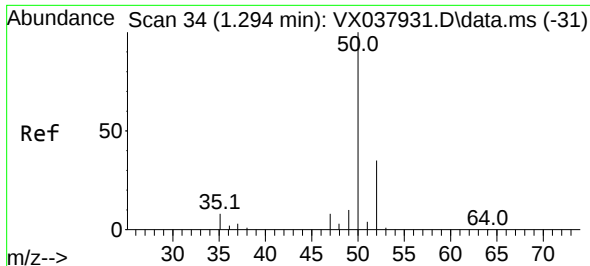
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#2  
Dichlorodifluoromethane  
Concen: 20.087 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion: 85 Resp: 24853  
Ion Ratio Lower Upper  
85 100  
87 32.5 16.4 49.4





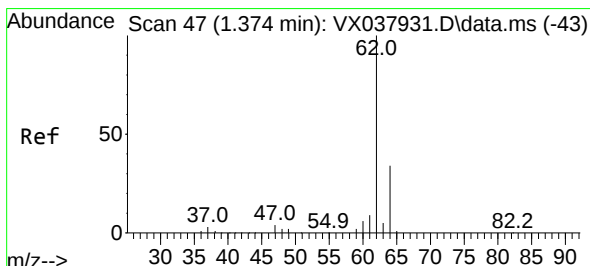
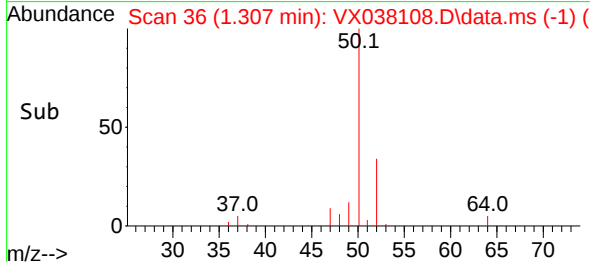
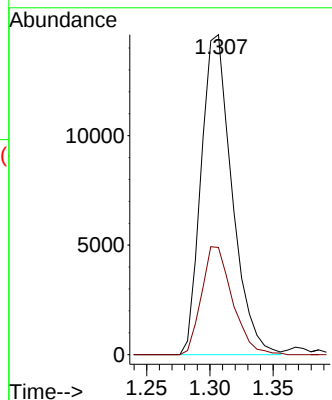
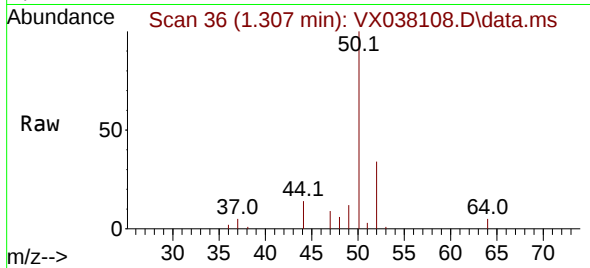
#3  
Chloromethane  
Concen: 18.738 ug/l  
RT: 1.307 min Scan# 30  
Delta R.T. 0.012 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 50 Resp: 24829  
Ion Ratio Lower Upper  
50 100  
52 33.5 24.5 36.7

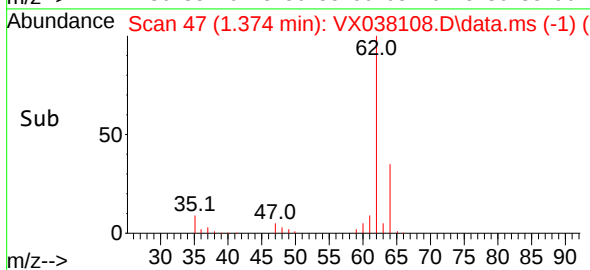
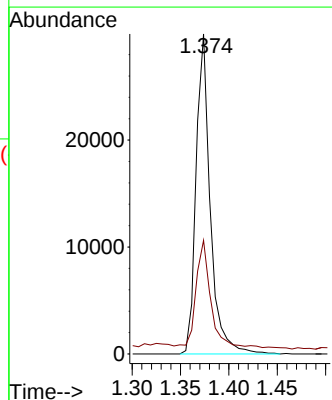
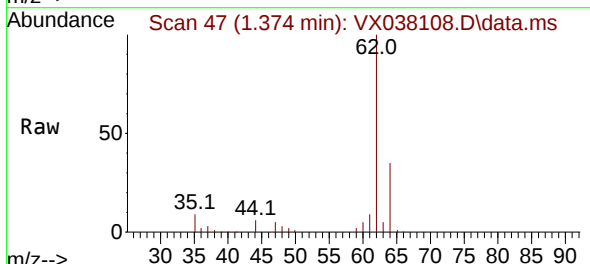
Manual Integrations  
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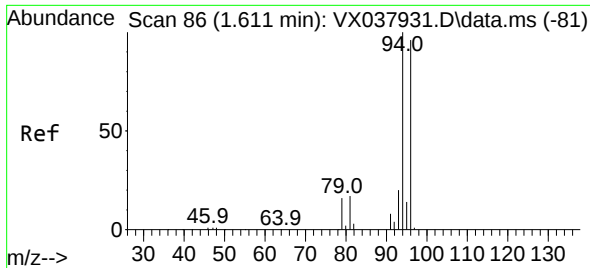
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#4  
Vinyl Chloride  
Concen: 20.559 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion: 62 Resp: 30496  
Ion Ratio Lower Upper  
62 100  
64 33.6 25.3 37.9





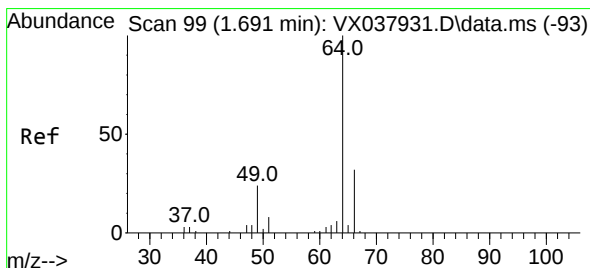
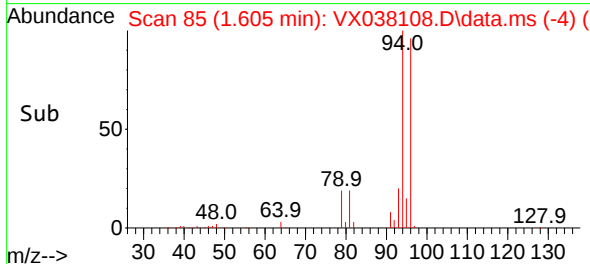
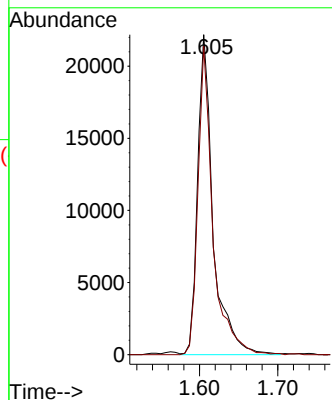
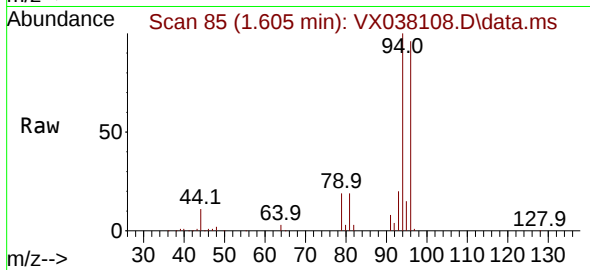
#5  
Bromomethane  
Concen: 26.686 ug/l  
RT: 1.605 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 94 Resp: 30494  
Ion Ratio Lower Upper  
94 100  
96 96.7 77.4 116.2

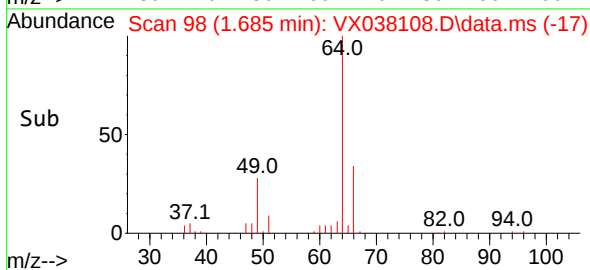
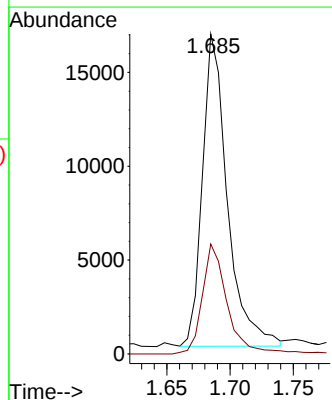
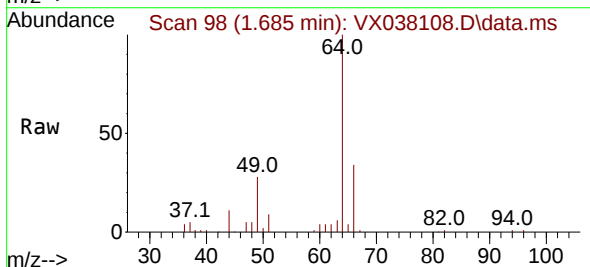
Manual Integrations  
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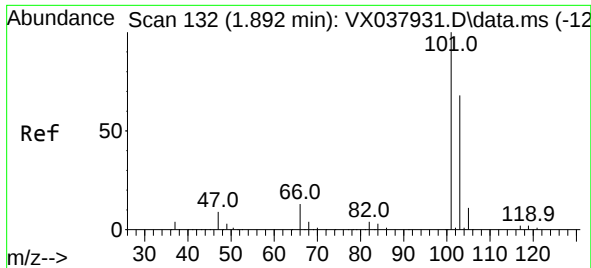
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#6  
Chloroethane  
Concen: 22.968 ug/l  
RT: 1.685 min Scan# 98  
Delta R.T. -0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion: 64 Resp: 22872  
Ion Ratio Lower Upper  
64 100  
66 34.7 23.1 34.7#





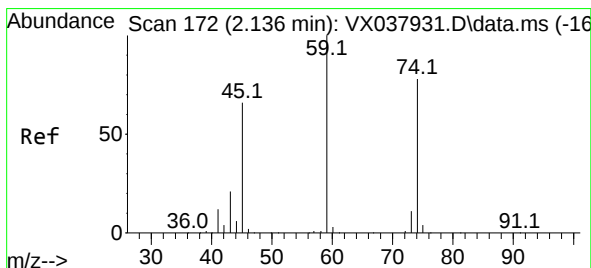
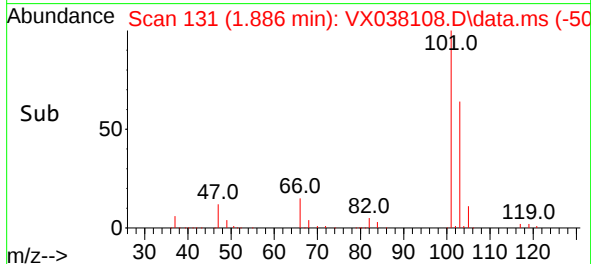
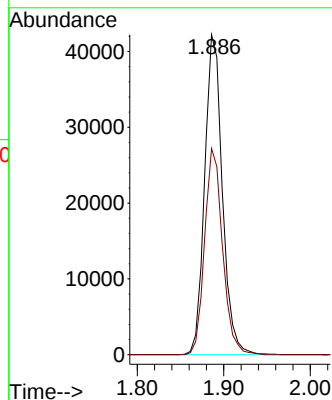
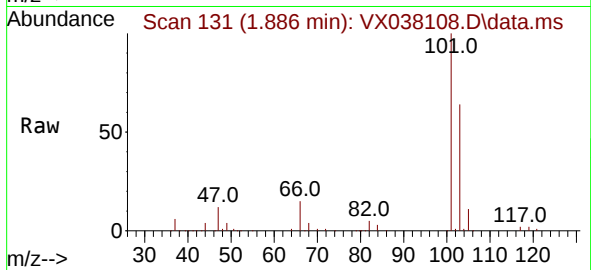
#7  
Trichlorofluoromethane  
Concen: 24.496 ug/l  
RT: 1.886 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion:101 Resp: 59978  
Ion Ratio Lower Upper  
101 100  
103 64.5 52.2 78.2

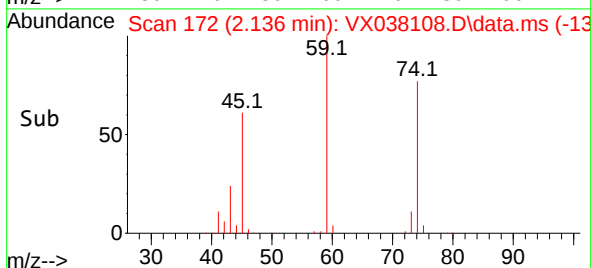
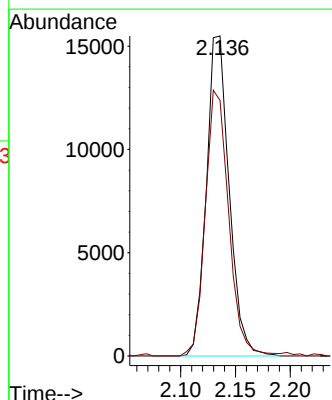
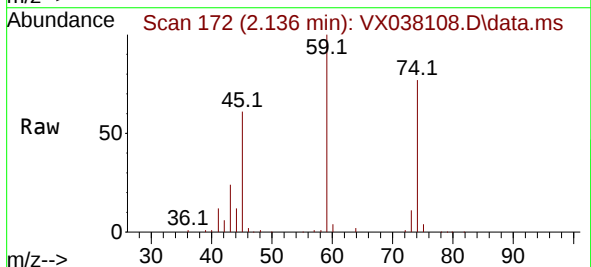
Manual Integrations  
APPROVED

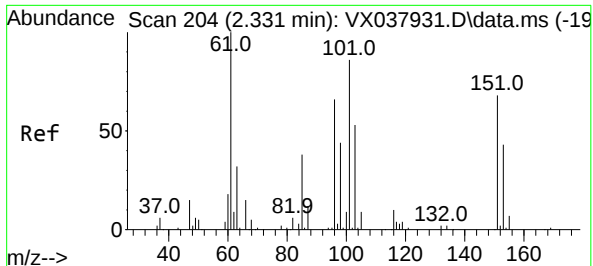
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#8  
Diethyl Ether  
Concen: 24.774 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion: 74 Resp: 22379  
Ion Ratio Lower Upper  
74 100  
45 85.2 19.9 178.9





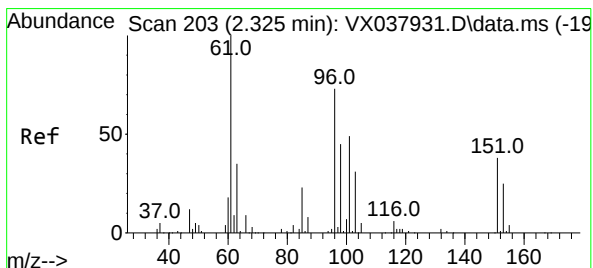
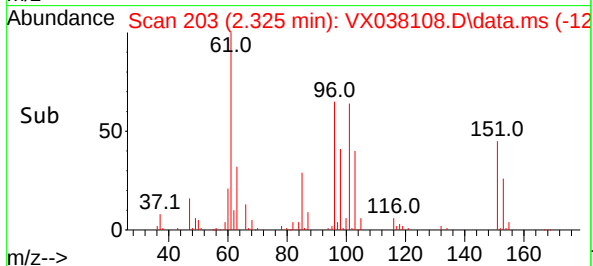
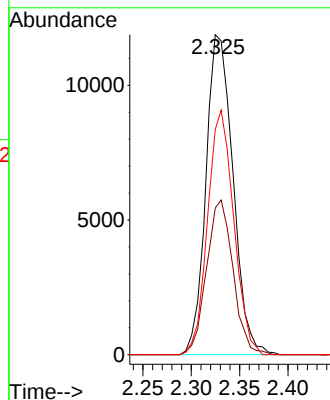
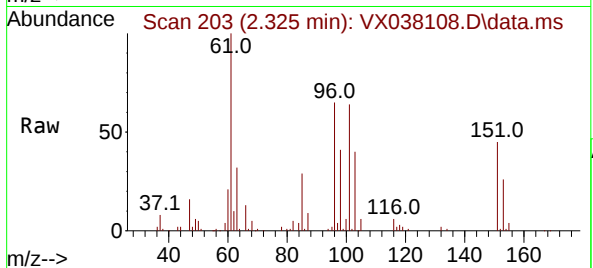
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.542 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. -0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 101 Resp: 2314  
Ion Ratio Lower Upper  
101 100  
85 47.2 0.0 91.0  
151 73.6 0.0 155.4

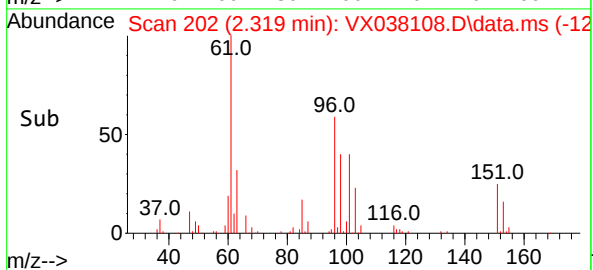
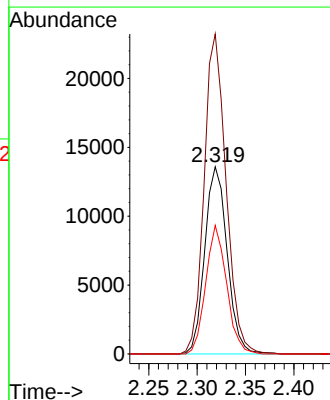
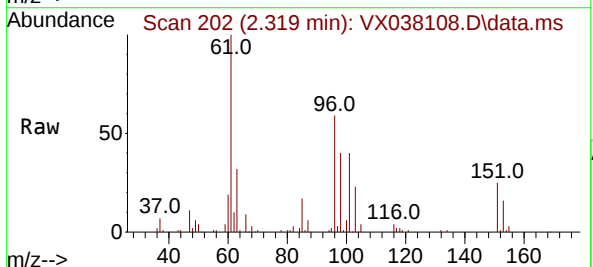
Manual Integrations  
APPROVED

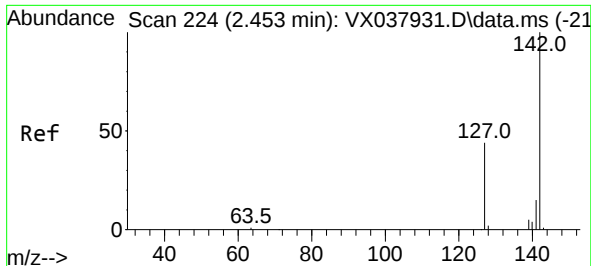
Reviewed By : John Carlone 10/06/2023  
Supervised By : Mahesh Dadoda 10/06/2023



#10  
1,1-Dichloroethene  
Concen: 17.986 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. -0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

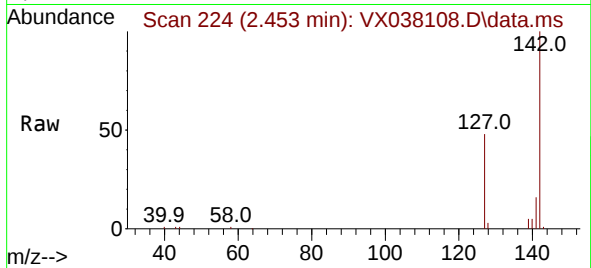
Tgt Ion: 96 Resp: 21979  
Ion Ratio Lower Upper  
96 100  
61 170.9 127.2 190.8  
98 68.6 52.7 79.1





#11  
Methyl Iodide  
Concen: 19.864 ug/l  
RT: 2.453 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

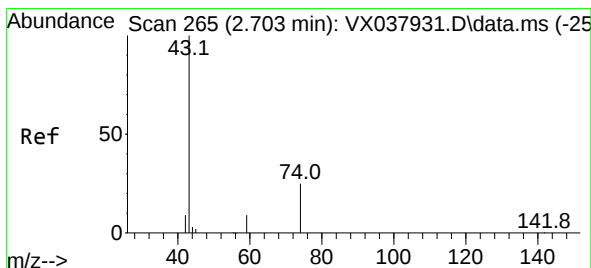
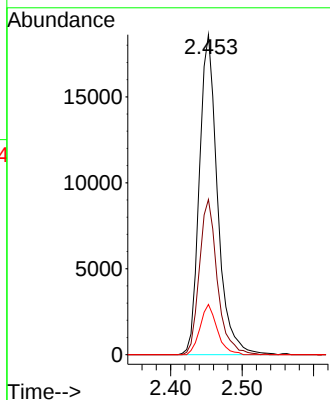
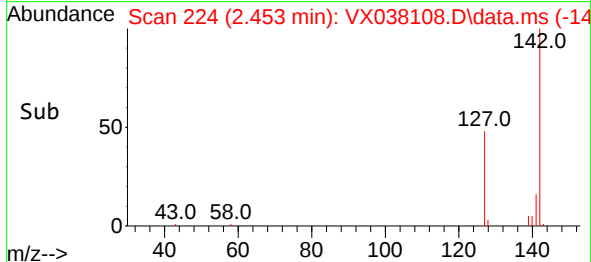
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion:142 Resp: 32852  
Ion Ratio Lower Upper  
142 100  
127 48.5 22.9 68.8  
141 15.7 7.5 22.6

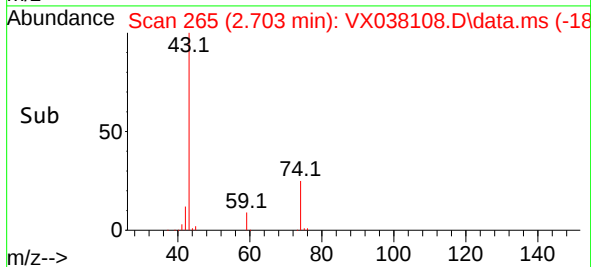
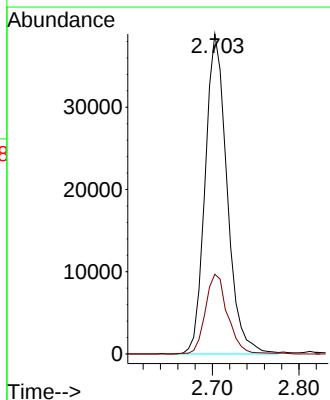
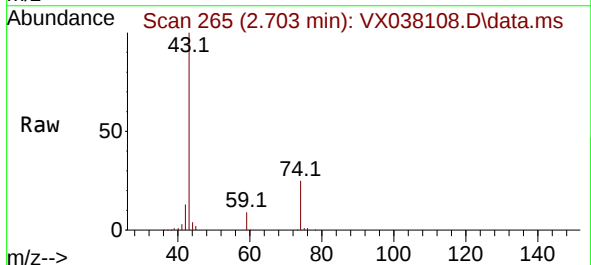
Manual Integrations  
APPROVED

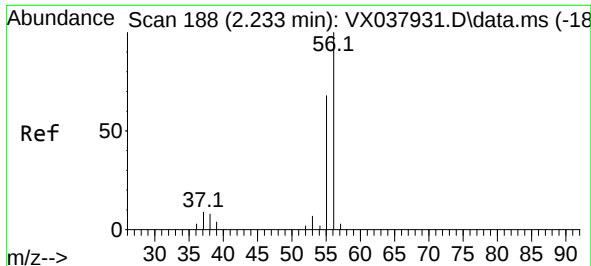
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#12  
Methyl Acetate  
Concen: 27.543 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

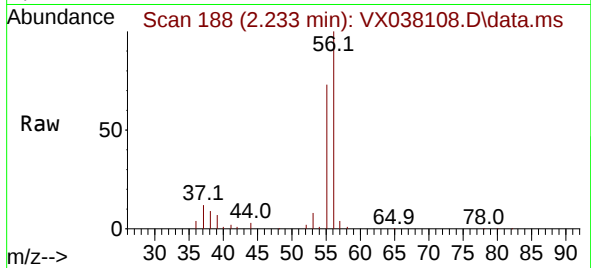
Tgt Ion: 43 Resp: 68412  
Ion Ratio Lower Upper  
43 100  
74 24.8 20.3 30.5





#13  
Acrolein  
Concen: 170.936 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

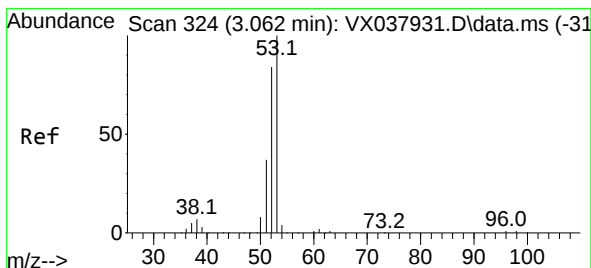
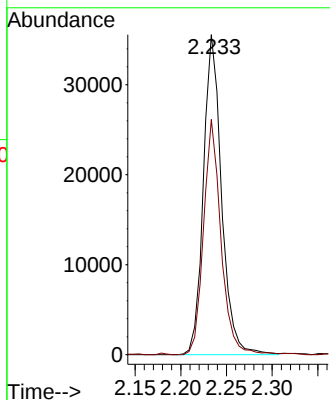
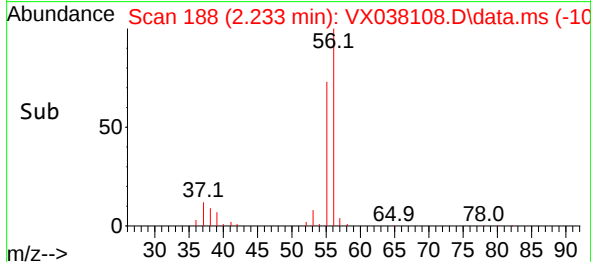
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 56 Resp: 48994  
Ion Ratio Lower Upper  
56 100  
55 70.5 59.7 89.5

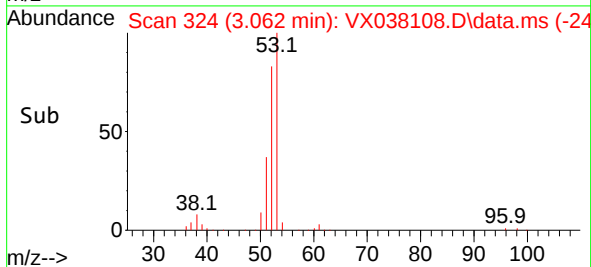
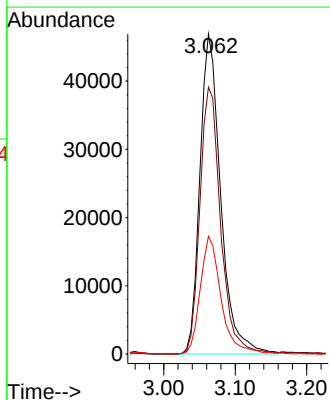
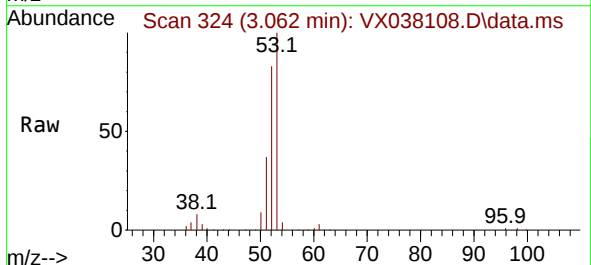
Manual Integrations  
APPROVED

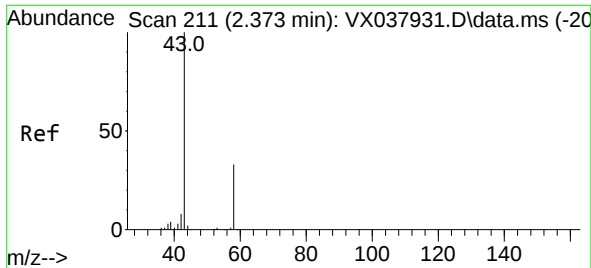
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#14  
Acrylonitrile  
Concen: 138.324 ug/l  
RT: 3.062 min Scan# 324  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion: 53 Resp: 94859  
Ion Ratio Lower Upper  
53 100  
52 83.0 40.0 119.9  
51 36.9 18.2 54.6





#15

Acetone

Concen: 136.406 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 27058

Ion Ratio Lower Upper

58 100

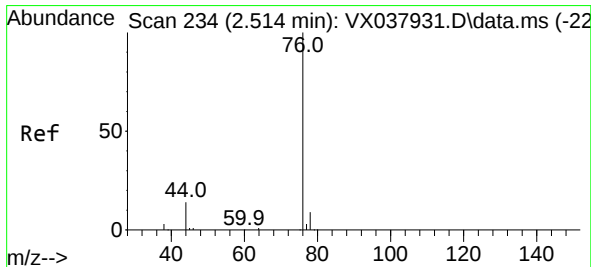
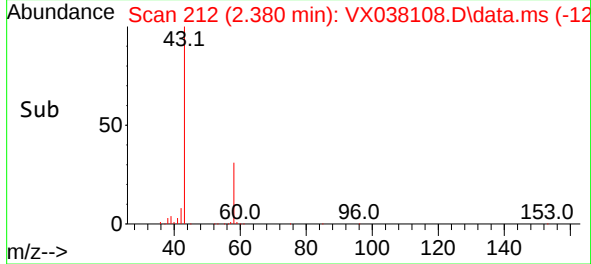
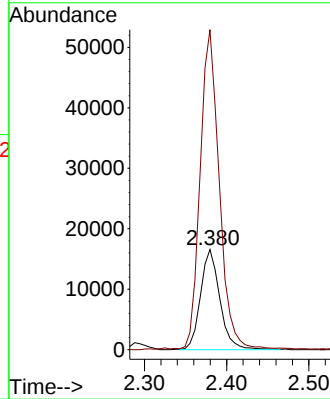
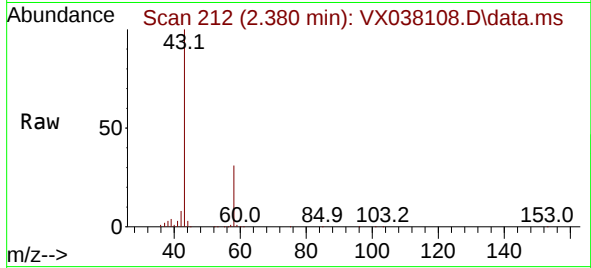
43 319.7 261.0 391.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#16

Carbon Disulfide

Concen: 18.488 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX038108.D

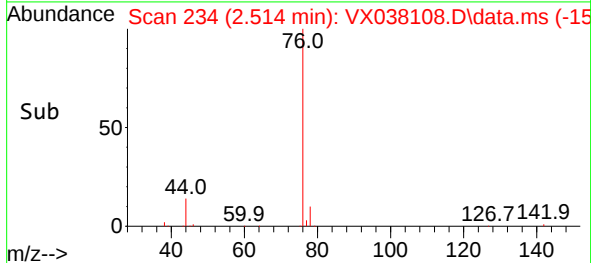
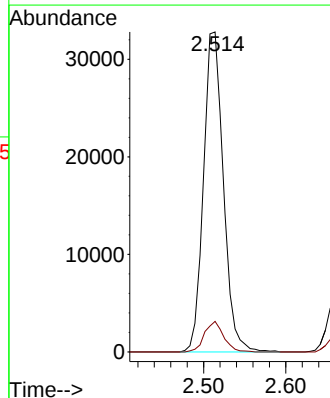
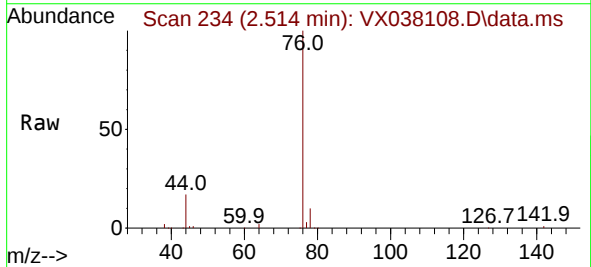
Acq: 05 Oct 2023 18:50

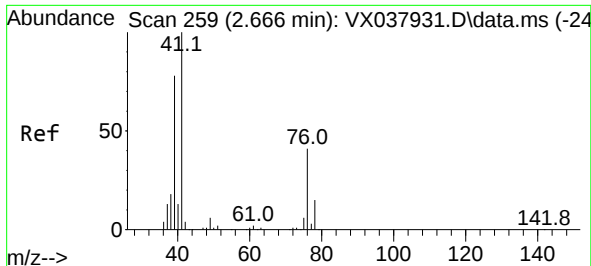
Tgt Ion: 76 Resp: 55130

Ion Ratio Lower Upper

76 100

78 9.5 8.0 12.0





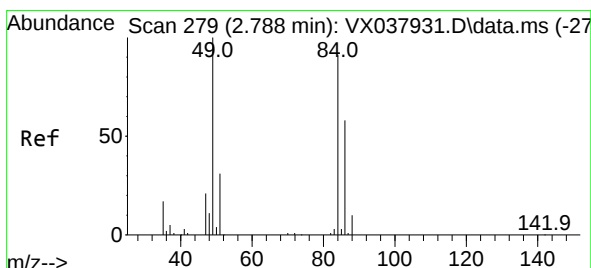
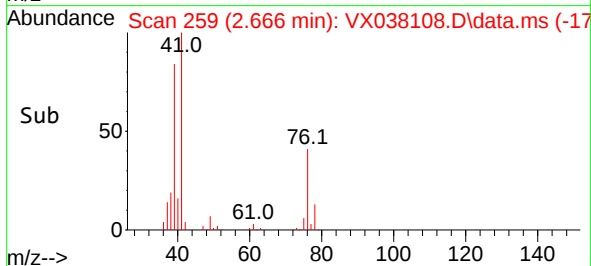
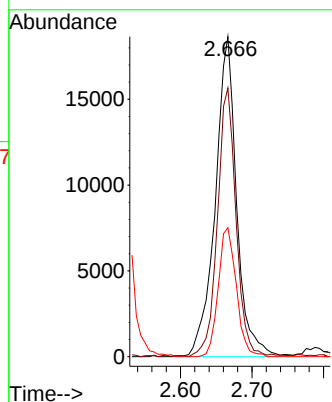
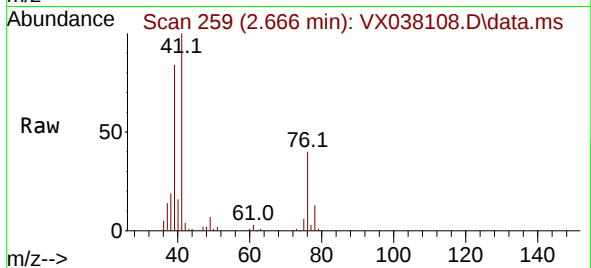
#17  
 Allyl chloride  
 Concen: 20.696 ug/l  
 RT: 2.666 min Scan# 259  
 Delta R.T. 0.000 min  
 Lab File: VX038108.D  
 Acq: 05 Oct 2023 18:50

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

Tgt Ion: 41 Resp: 38718  
 Ion Ratio Lower Upper  
 41 100  
 39 83.6 38.5 115.3  
 76 40.3 18.6 55.8

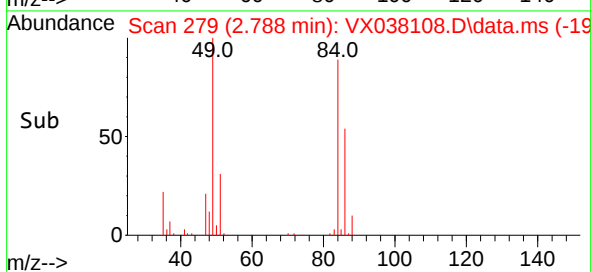
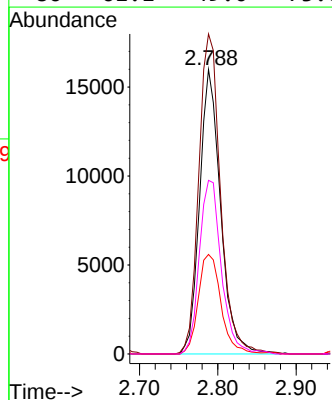
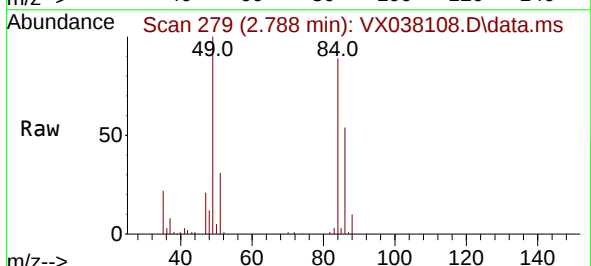
Manual Integrations  
 APPROVED

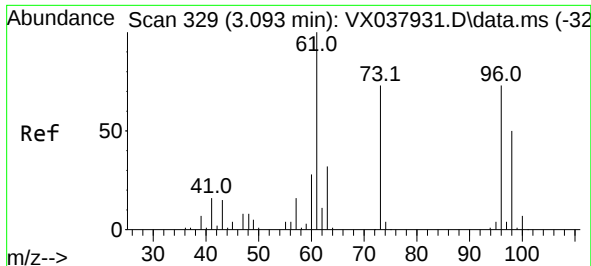
Reviewed By :John Carlone 10/06/2023  
 Supervised By :Mahesh Dadoda 10/06/2023



#18  
 Methylene Chloride  
 Concen: 20.387 ug/l  
 RT: 2.788 min Scan# 279  
 Delta R.T. 0.000 min  
 Lab File: VX038108.D  
 Acq: 05 Oct 2023 18:50

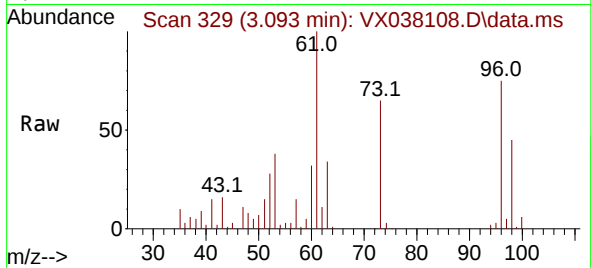
Tgt Ion: 84 Resp: 29859  
 Ion Ratio Lower Upper  
 84 100  
 49 112.1 95.4 143.0  
 51 35.0 28.3 42.5  
 86 61.1 49.0 73.6





#19  
trans-1,2-Dichloroethene  
Concen: 20.518 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

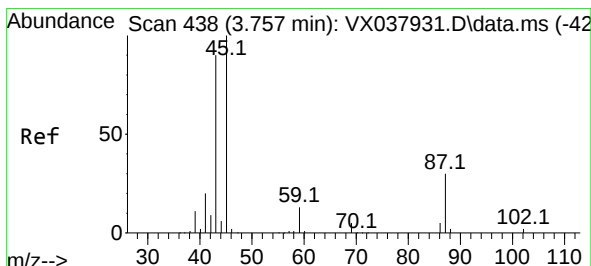
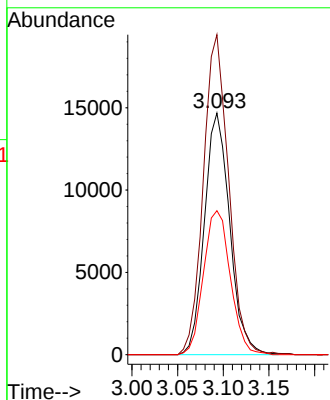
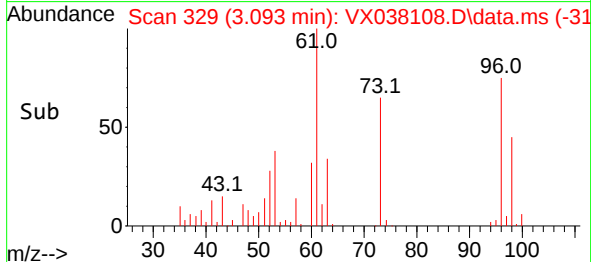
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



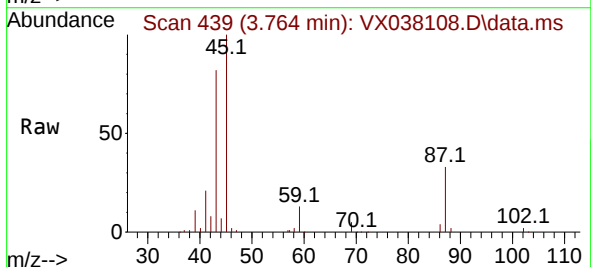
Tgt Ion: 96 Resp: 2825  
Ion Ratio Lower Upper  
96 100  
61 132.5 108.7 163.1  
98 59.6 49.1 73.7

Manual Integrations  
APPROVED

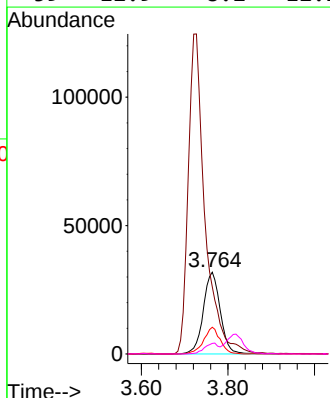
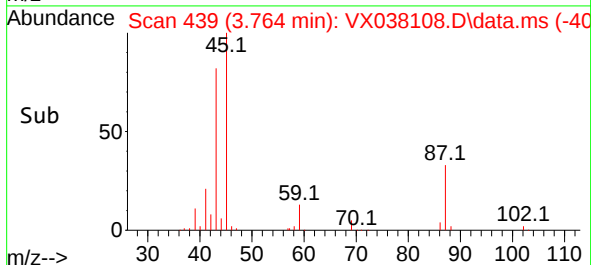
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023

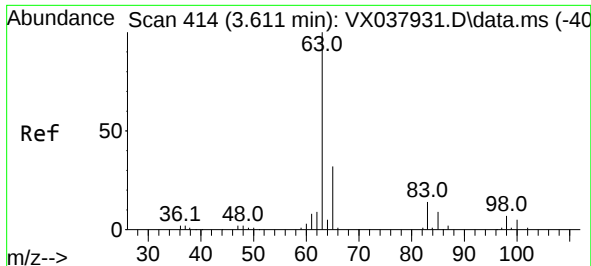


#20  
Diisopropyl ether  
Concen: 21.741 ug/l  
RT: 3.764 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50



Tgt Ion: 45 Resp: 86835  
Ion Ratio Lower Upper  
45 100  
43 81.6 55.8 83.6  
87 32.8 23.0 34.4  
59 12.9 8.2 12.2#





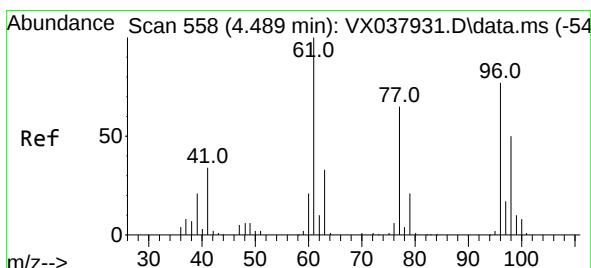
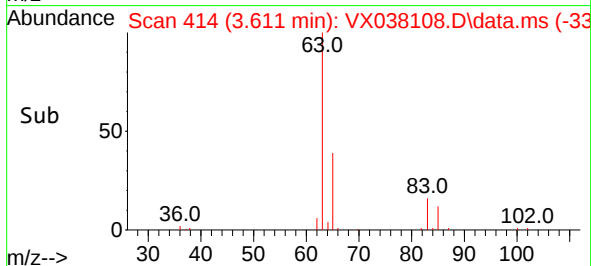
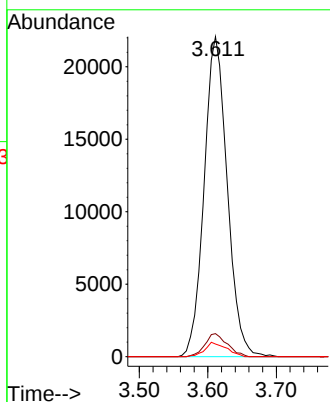
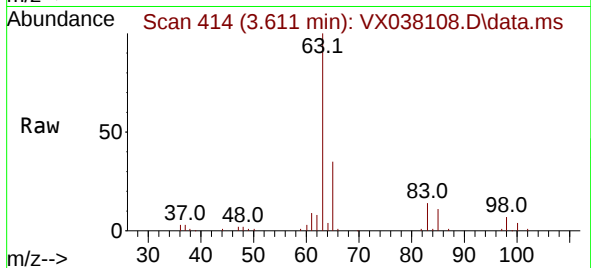
#21  
1,1-Dichloroethane  
Concen: 21.447 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 63 Resp: 51754  
Ion Ratio Lower Upper  
63 100  
98 7.2 3.2 9.6  
100 4.0 2.3 6.8

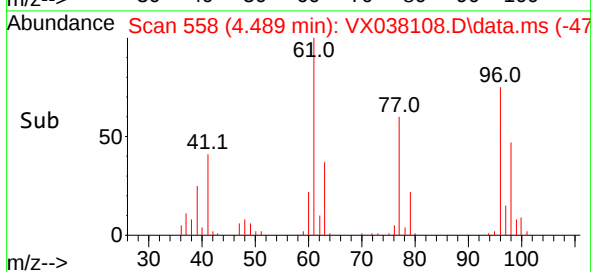
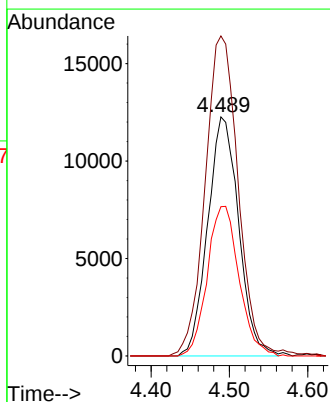
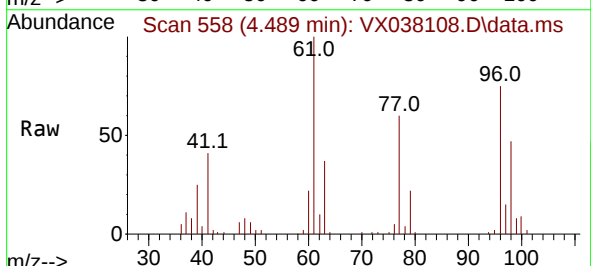
Manual Integrations  
APPROVED

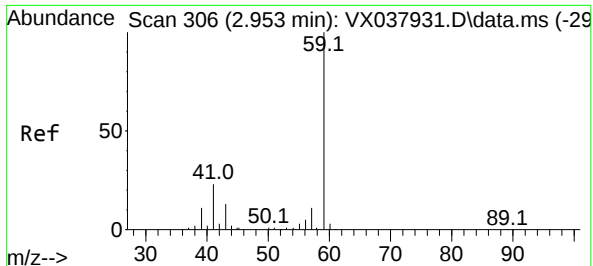
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#22  
cis-1,2-Dichloroethene  
Concen: 20.623 ug/l  
RT: 4.489 min Scan# 558  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion: 96 Resp: 33725  
Ion Ratio Lower Upper  
96 100  
61 141.6 114.0 171.0  
98 63.9 51.6 77.4





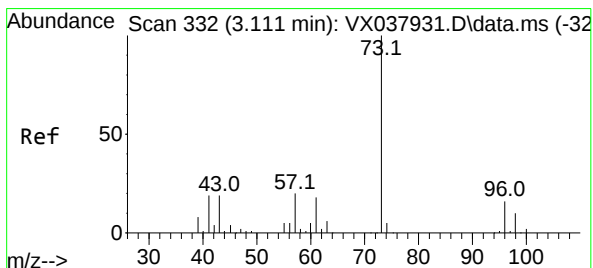
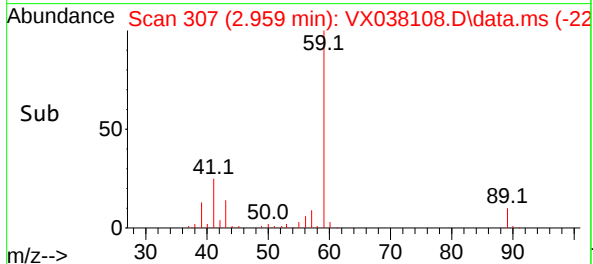
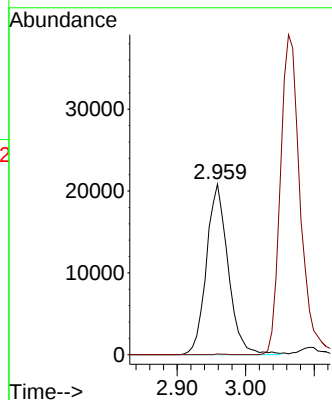
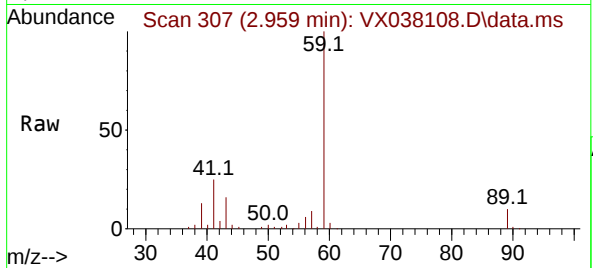
#23  
tert-Butyl Alcohol  
Concen: 160.768 ug/l  
RT: 2.959 min Scan# 306  
Delta R.T. 0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 59 Resp: 4600  
Ion Ratio Lower Upper  
59 100  
52 0.2 142.6 213.8

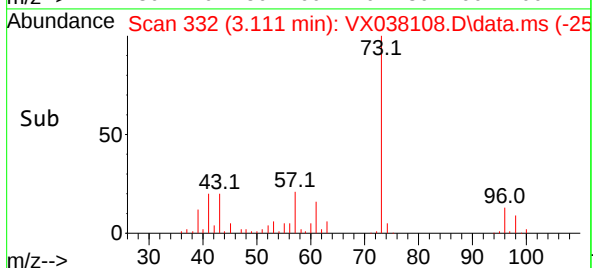
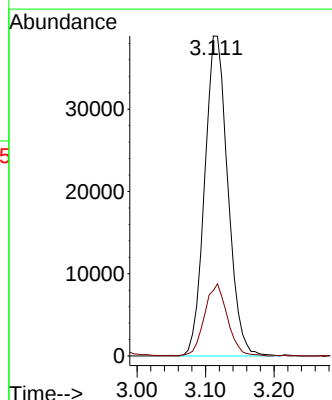
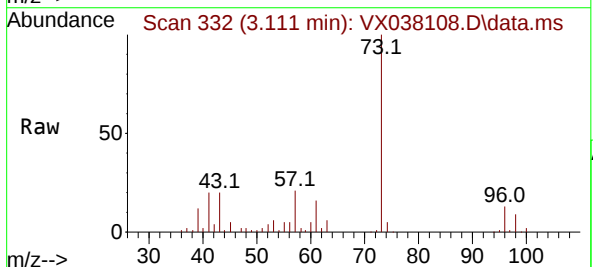
Manual Integrations  
APPROVED

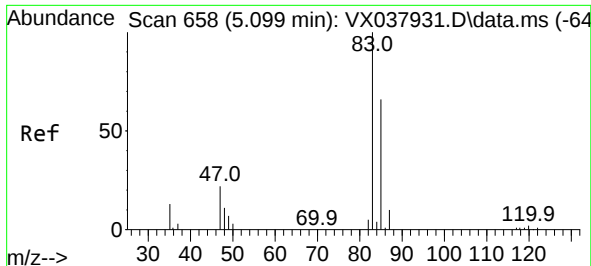
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#24  
Methyl tert-Butyl Ether  
Concen: 21.592 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion: 73 Resp: 91325  
Ion Ratio Lower Upper  
73 100  
43 22.4 16.8 25.2





#25

Chloroform

Concen: 22.186 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 58878

Ion Ratio Lower Upper

83 100

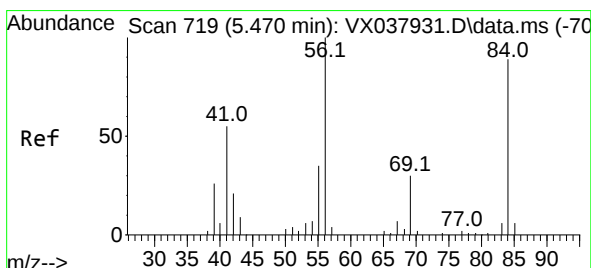
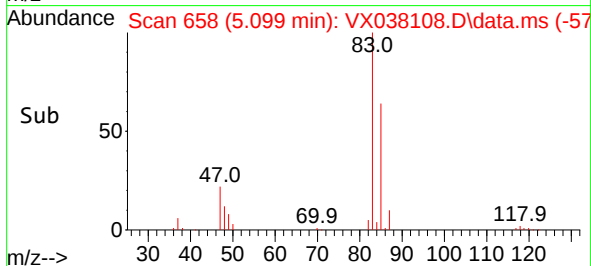
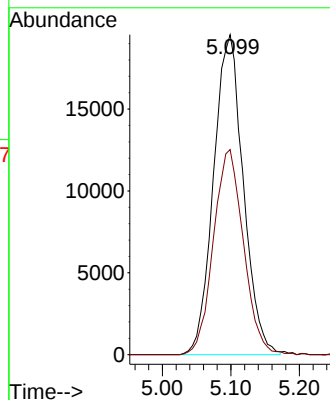
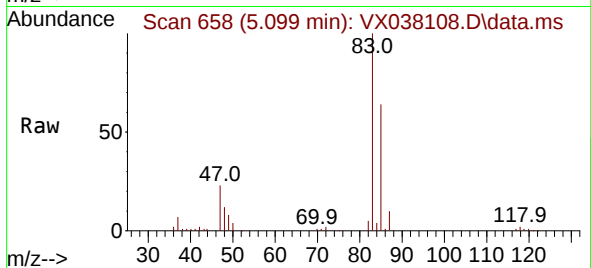
85 64.1 51.5 77.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#26

Cyclohexane

Concen: 20.546 ug/l

RT: 5.477 min Scan# 720

Delta R.T. 0.006 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

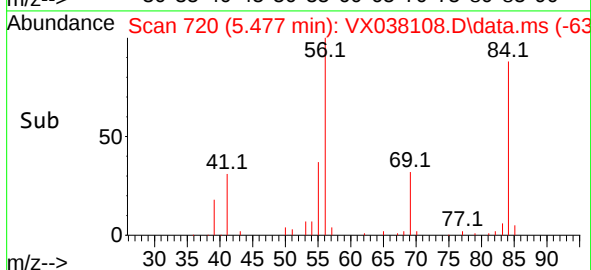
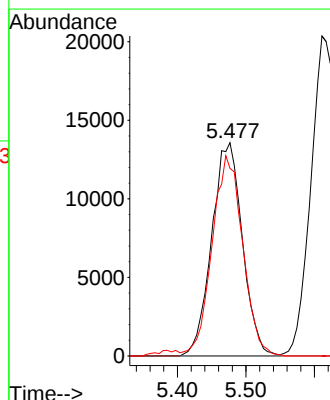
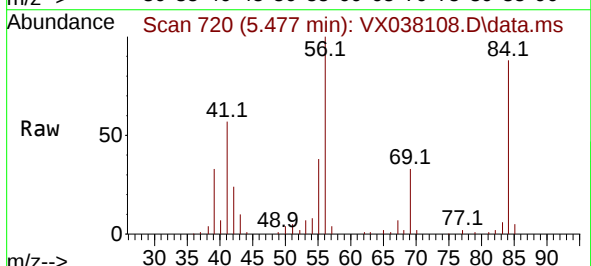
Tgt Ion: 56 Resp: 42193

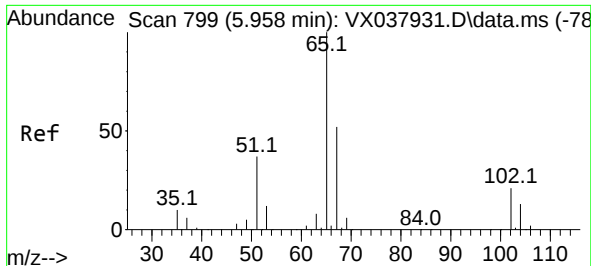
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 93.6 71.4 107.2





#27

1,2-Dichloroethane-d4

Concen: 35.426 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 65 Resp: 6027

Ion Ratio Lower Upper

65 100

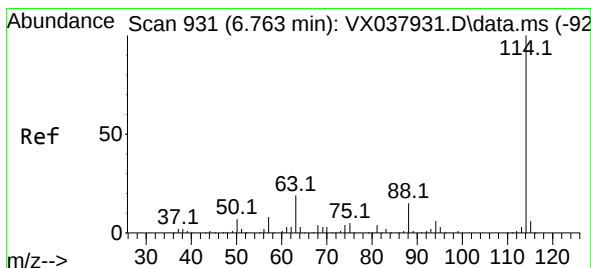
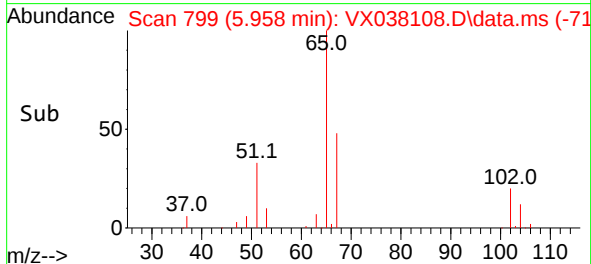
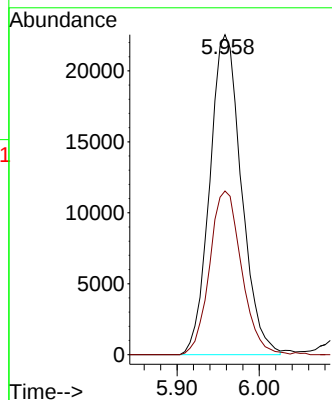
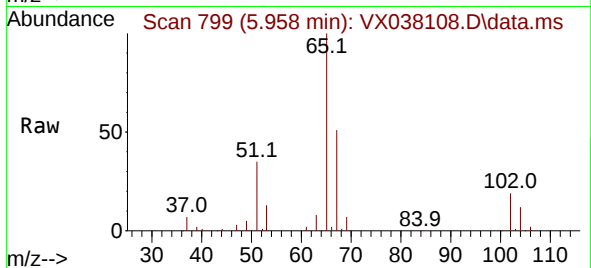
67 51.6 42.1 63.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

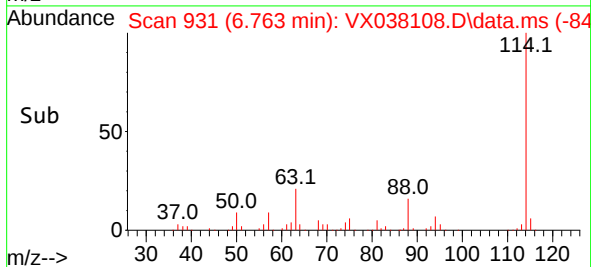
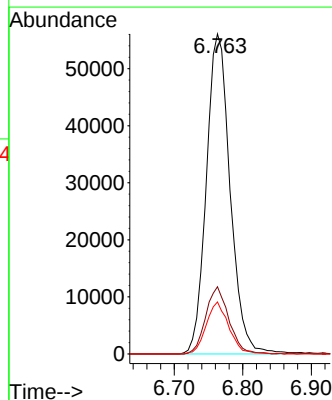
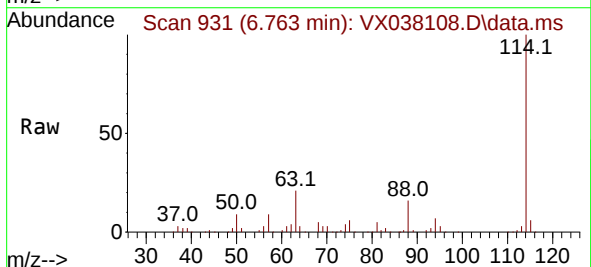
Tgt Ion:114 Resp: 135402

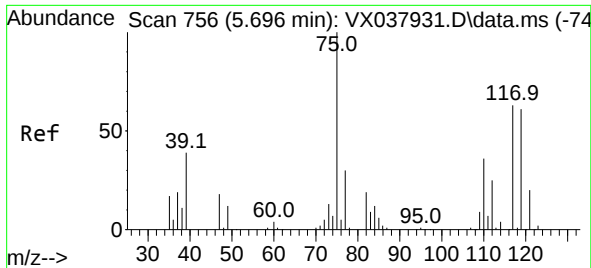
Ion Ratio Lower Upper

114 100

63 20.4 16.6 24.8

88 15.5 12.9 19.3





#29  
1,1-Dichloropropene  
Concen: 21.139 ug/l  
RT: 5.690 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :

MSVOA\_X

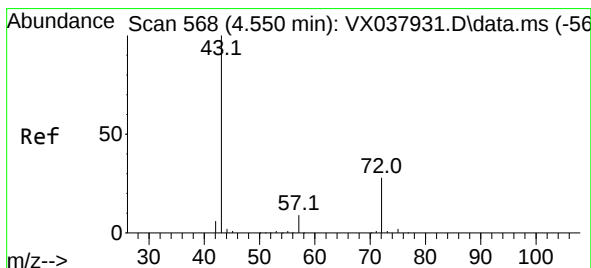
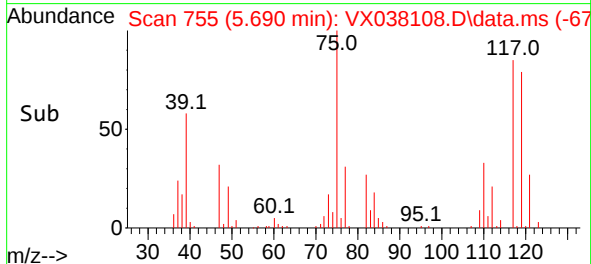
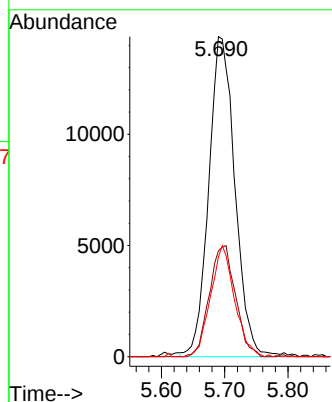
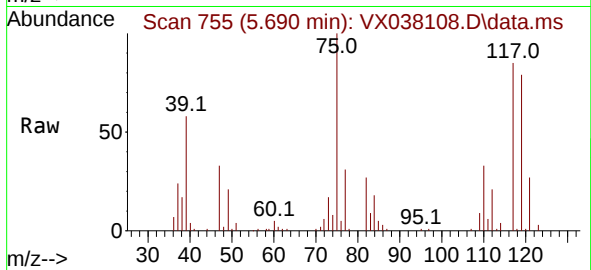
ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 41370  
Ion Ratio Lower Upper  
75 100  
110 34.6 0.0 70.4  
77 31.7 0.0 62.8

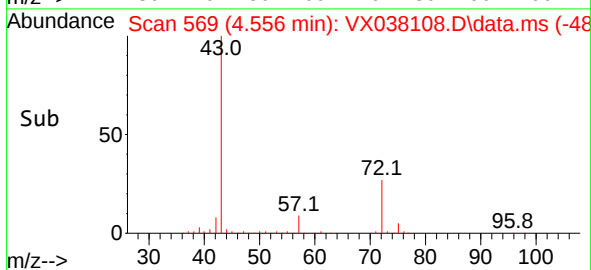
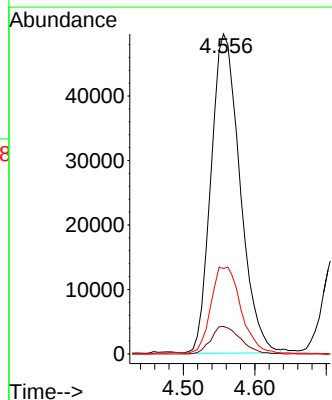
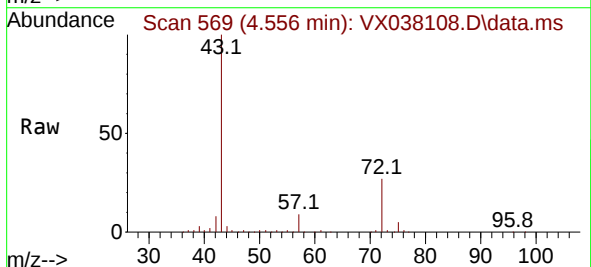
Manual Integrations  
APPROVED

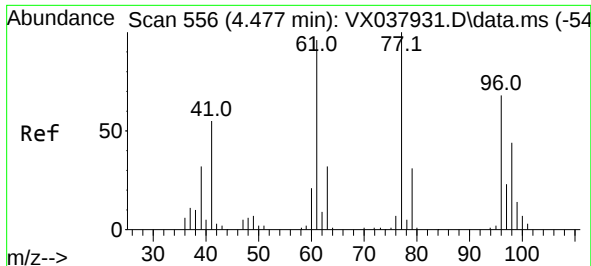
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#30  
2-Butanone  
Concen: 148.315 ug/l  
RT: 4.556 min Scan# 569  
Delta R.T. 0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

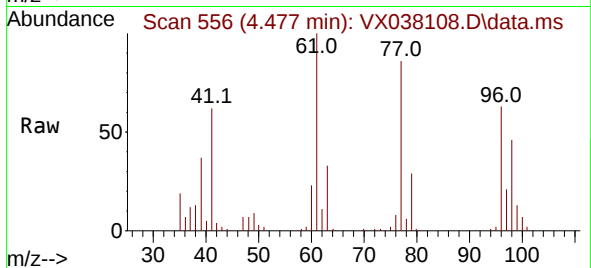
Tgt Ion: 43 Resp: 139317  
Ion Ratio Lower Upper  
43 100  
57 8.8 6.4 9.6  
72 28.1 21.6 32.4





#31  
2,2-Dichloropropane  
Concen: 18.511 ug/l  
RT: 4.477 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

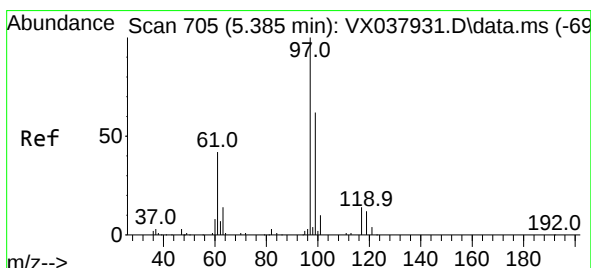
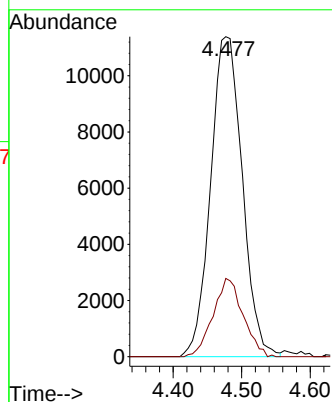
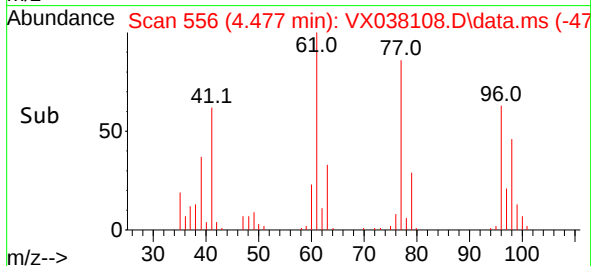
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 77 Resp: 36500  
Ion Ratio Lower Upper  
77 100  
97 23.1 18.6 27.8

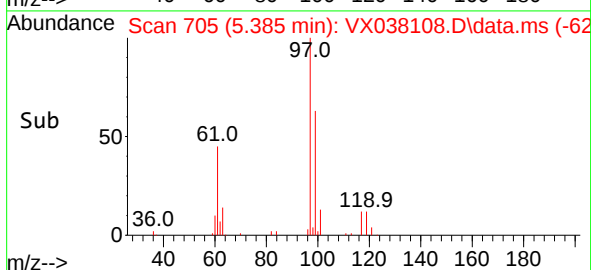
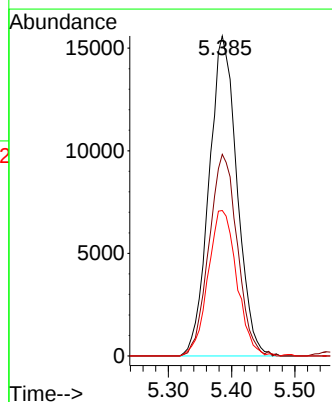
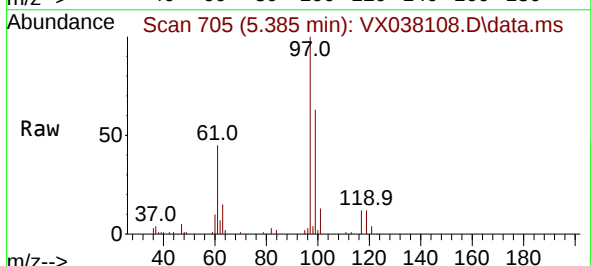
Manual Integrations  
APPROVED

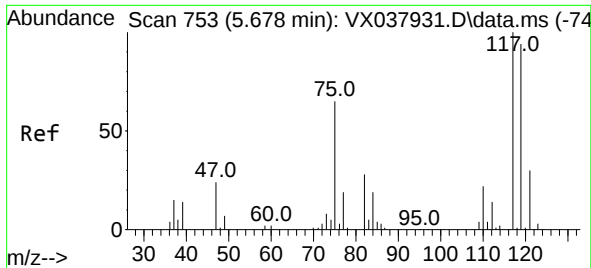
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#32  
1,1,1-Trichloroethane  
Concen: 20.393 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

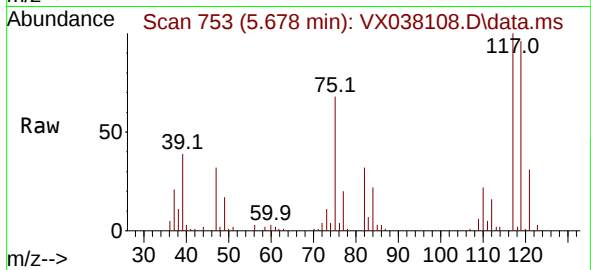
Tgt Ion: 97 Resp: 47828  
Ion Ratio Lower Upper  
97 100  
99 63.6 51.5 77.3  
61 46.6 35.8 53.8





#33  
Carbon Tetrachloride  
Concen: 20.077 ug/l  
RT: 5.678 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

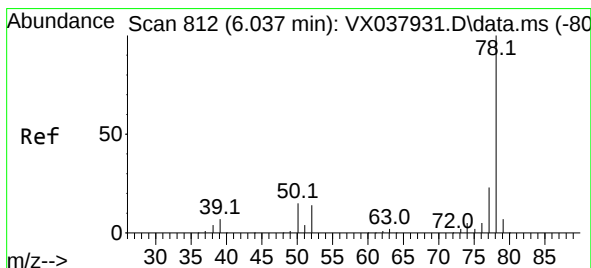
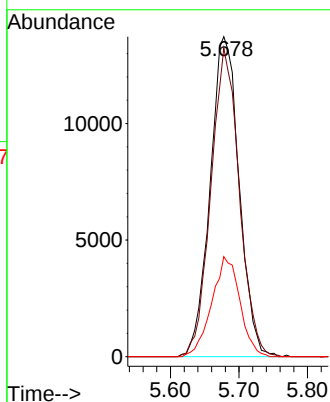
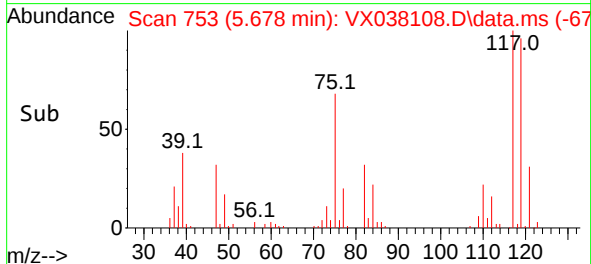
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



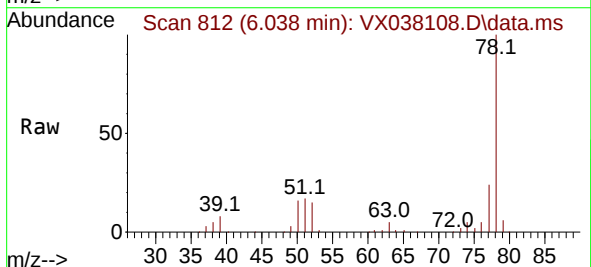
Tgt Ion:117 Resp: 40308  
Ion Ratio Lower Upper  
117 100  
119 96.4 76.6 115.0  
121 31.2 26.5 39.7

Manual Integrations  
APPROVED

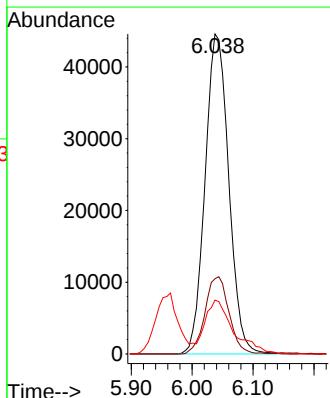
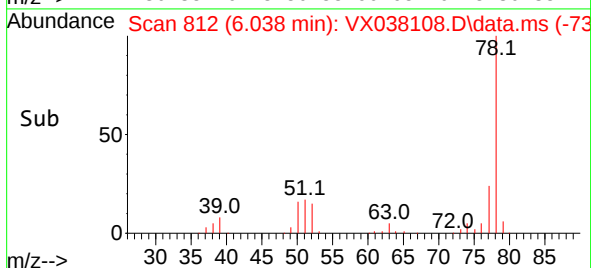
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023

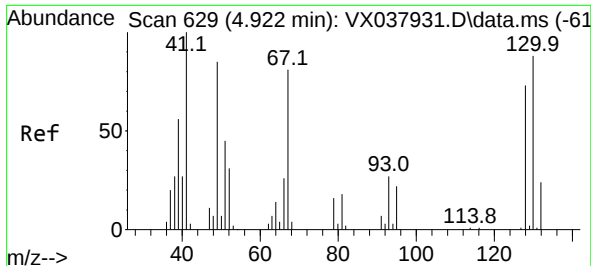


#34  
Benzene  
Concen: 20.621 ug/l  
RT: 6.038 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50



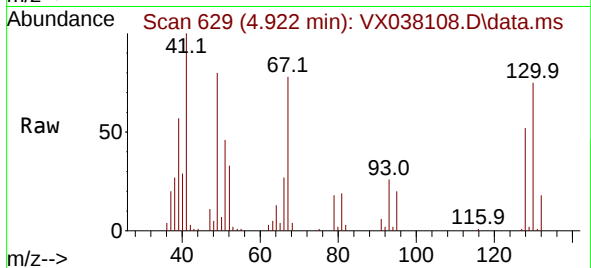
Tgt Ion: 78 Resp: 120570  
Ion Ratio Lower Upper  
78 100  
77 23.5 18.7 28.1  
51 16.7 14.2 21.4





#35  
Methacrylonitrile  
Concen: 25.479 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

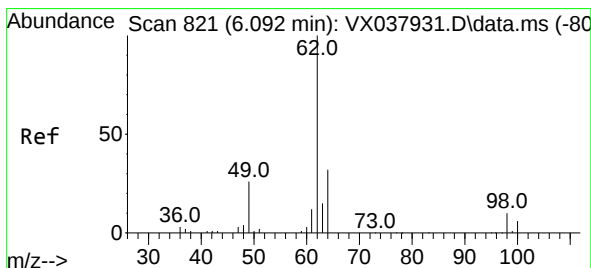
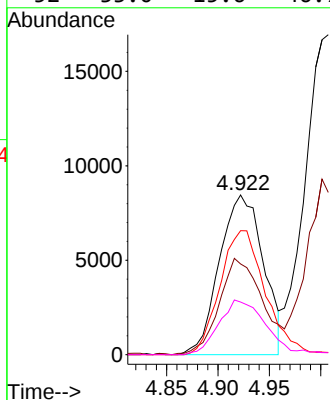
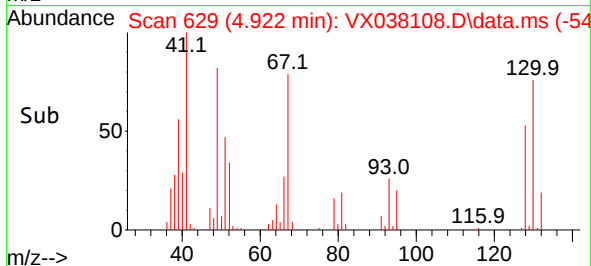
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 41 Resp: 25162  
Ion Ratio Lower Upper  
41 100  
39 55.9 28.2 84.7  
67 77.6 35.0 105.1  
52 33.0 15.6 46.7

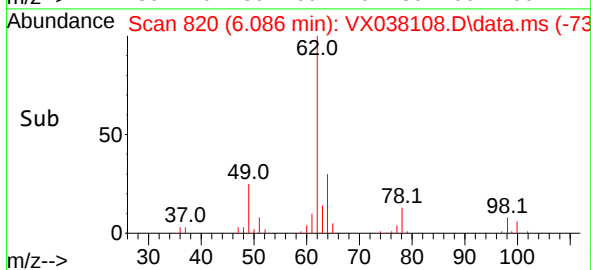
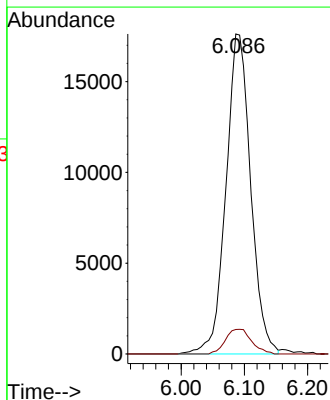
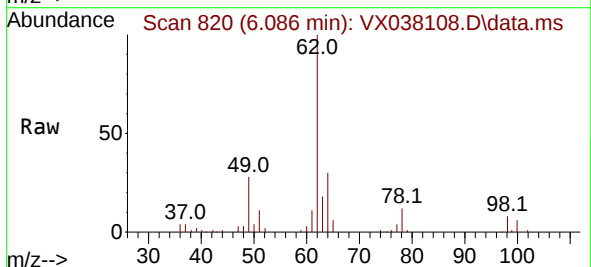
Manual Integrations  
APPROVED

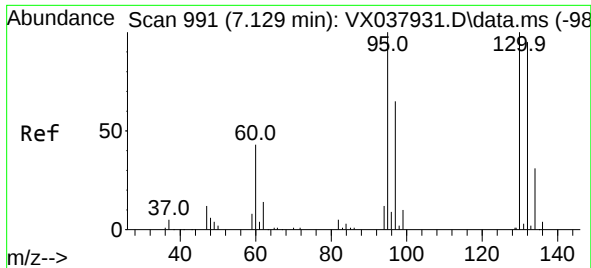
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#36  
1,2-Dichloroethane  
Concen: 23.171 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. -0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

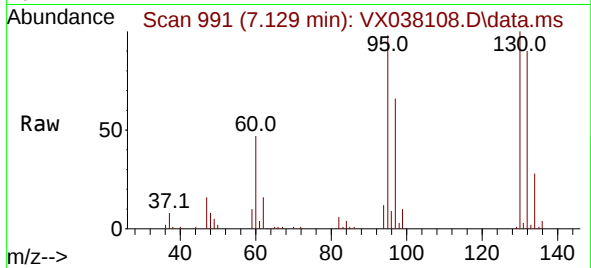
Tgt Ion: 62 Resp: 47925  
Ion Ratio Lower Upper  
62 100  
98 8.1 7.0 10.6





#37  
Trichloroethene  
Concen: 19.855 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

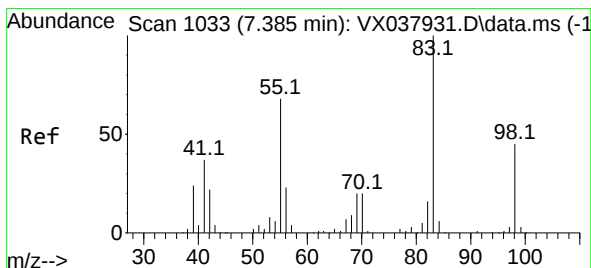
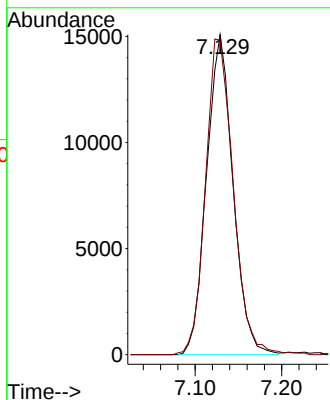
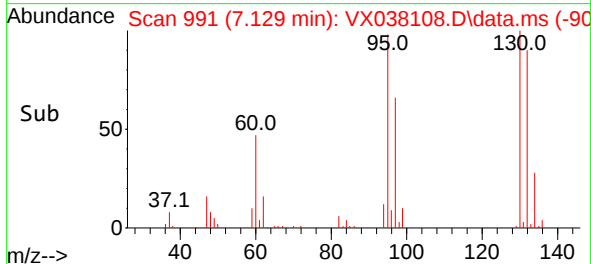
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



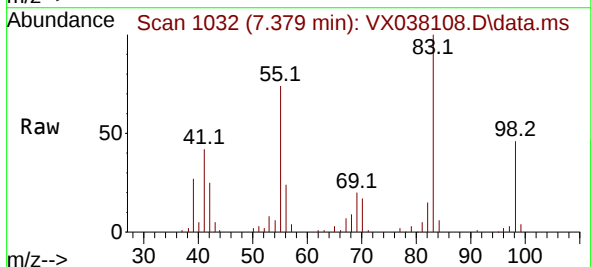
Tgt Ion:130 Resp: 32020  
Ion Ratio Lower Upper  
130 100  
95 97.8 83.2 124.8

Manual Integrations  
APPROVED

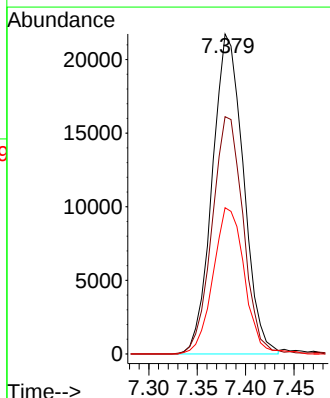
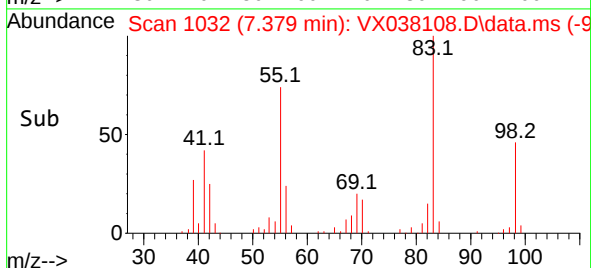
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023

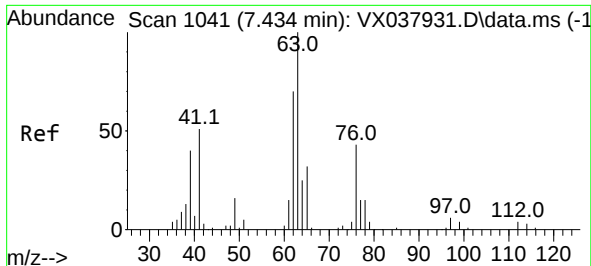


#38  
Methylcyclohexane  
Concen: 19.783 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50



Tgt Ion: 83 Resp: 48670  
Ion Ratio Lower Upper  
83 100  
55 74.2 38.1 114.5  
98 46.1 24.4 73.4





#39

1,2-Dichloropropane

Concen: 20.912 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 3128

Ion Ratio Lower Upper

63 100

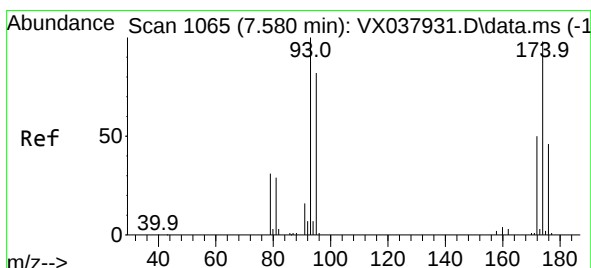
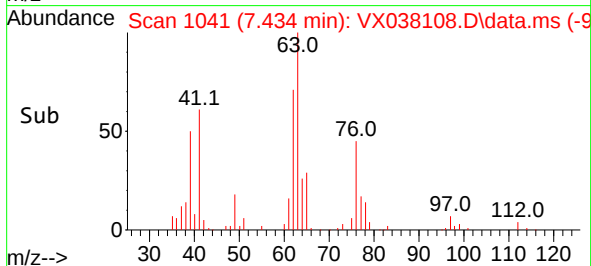
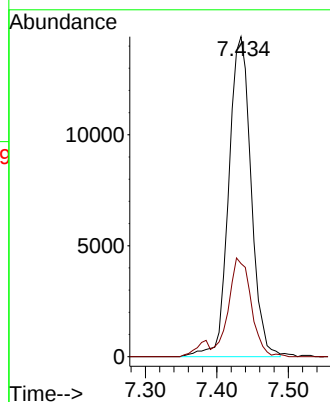
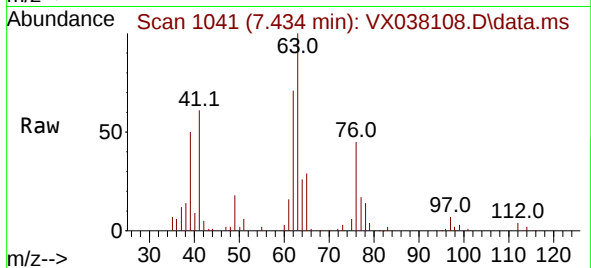
65 29.1 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#40

Dibromomethane

Concen: 22.676 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

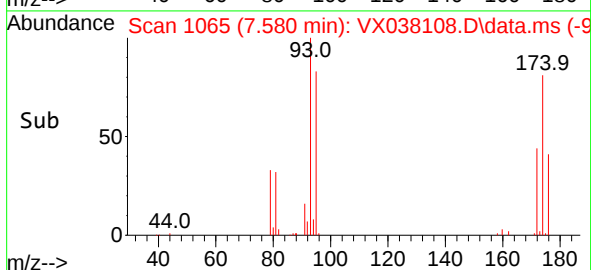
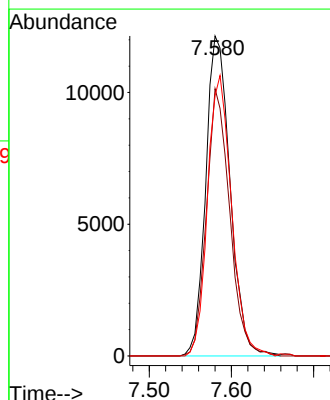
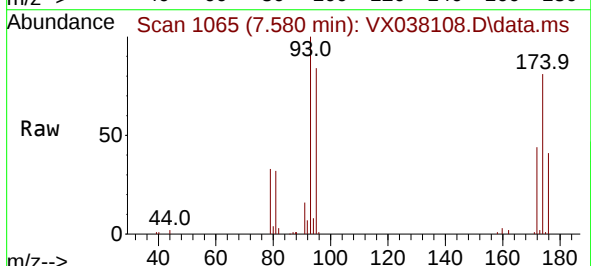
Tgt Ion: 93 Resp: 25029

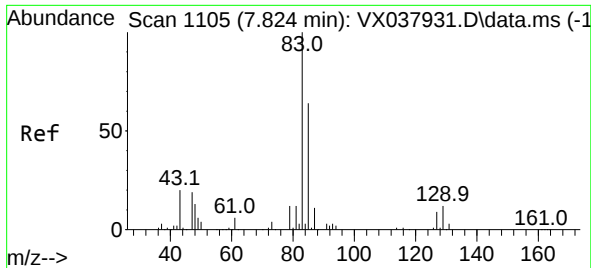
Ion Ratio Lower Upper

93 100

95 79.7 0.0 166.8

174 86.1 0.0 191.6





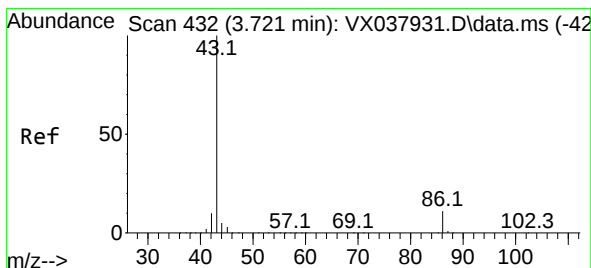
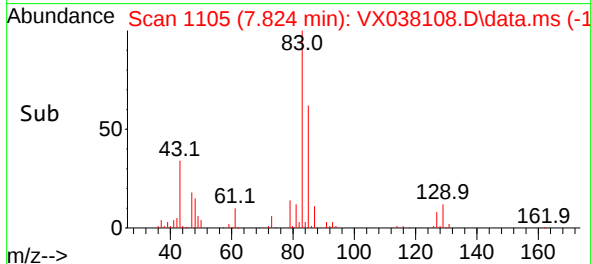
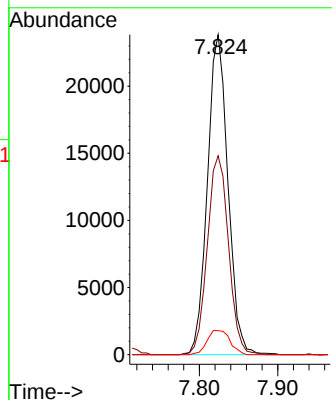
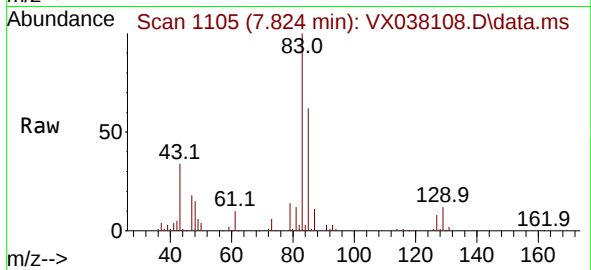
#41  
Bromodichloromethane  
Concen: 21.495 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 83 Resp: 4331  
Ion Ratio Lower Upper  
83 100  
85 62.2 51.5 77.3  
127 7.5 6.4 9.6

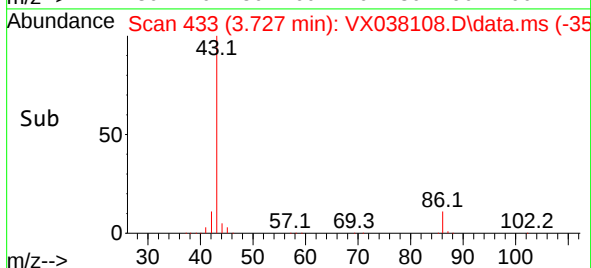
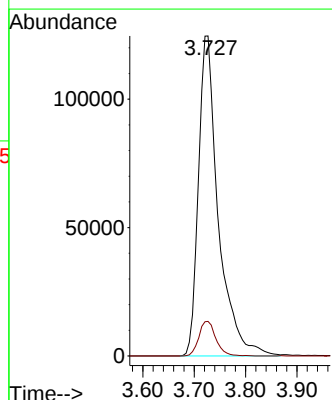
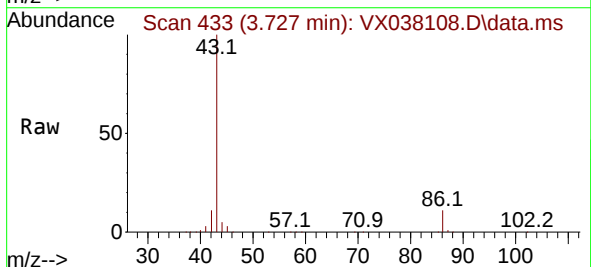
Manual Integrations  
APPROVED

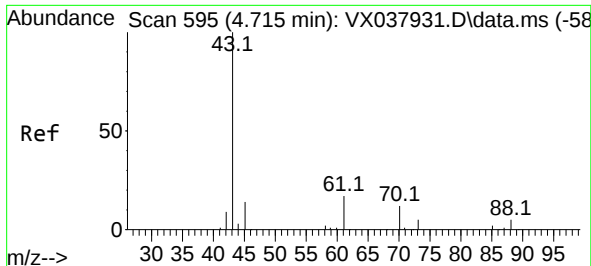
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#42  
Vinyl Acetate  
Concen: 113.186 ug/l  
RT: 3.727 min Scan# 433  
Delta R.T. 0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion: 43 Resp: 335157  
Ion Ratio Lower Upper  
43 100  
86 9.3 7.4 11.0





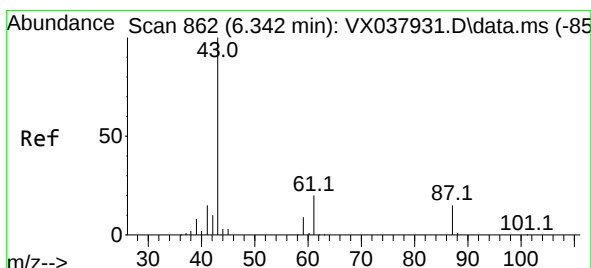
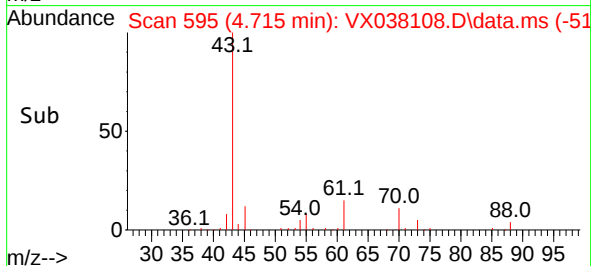
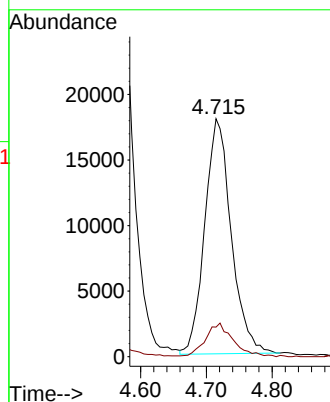
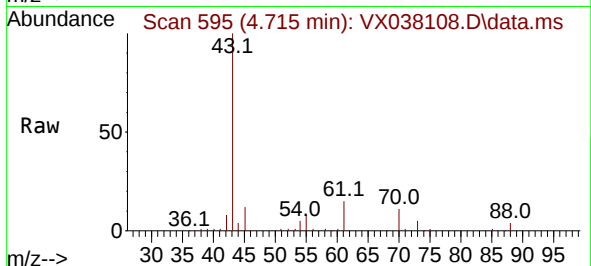
#43  
Ethyl Acetate  
Concen: 27.018 ug/l  
RT: 4.715 min Scan# 595  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 43 Resp: 50172  
Ion Ratio Lower Upper  
43 100  
45 14.8 12.6 18.8

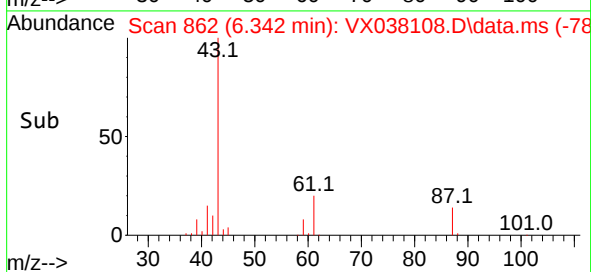
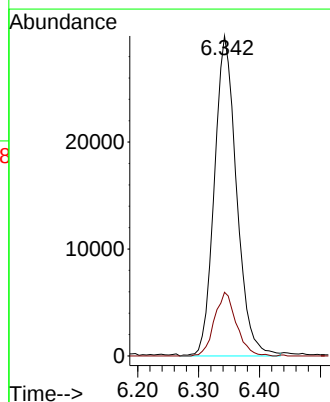
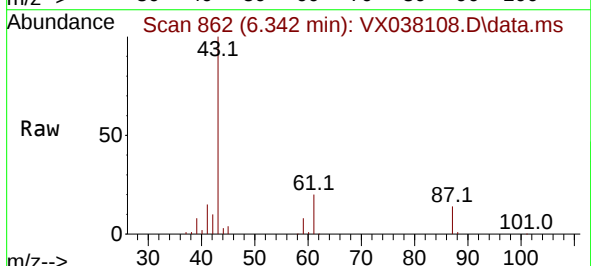
Manual Integrations  
APPROVED

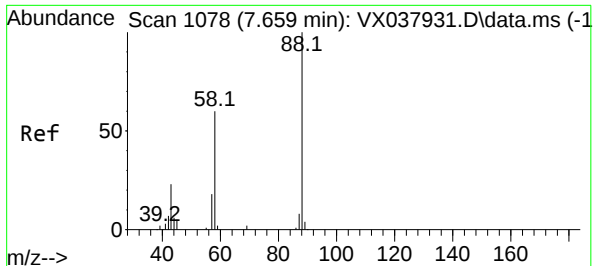
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#44  
Isopropyl Acetate  
Concen: 24.696 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

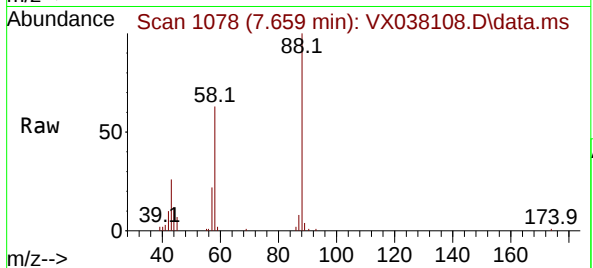
Tgt Ion: 43 Resp: 75870  
Ion Ratio Lower Upper  
43 100  
61 19.5 15.4 23.0





#45  
1,4-Dioxane  
Concen: 523.825 ug/l  
RT: 7.659 min Scan# 1078  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

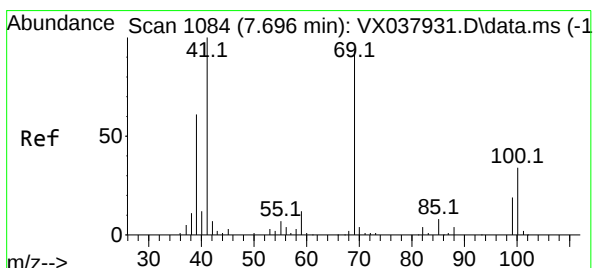
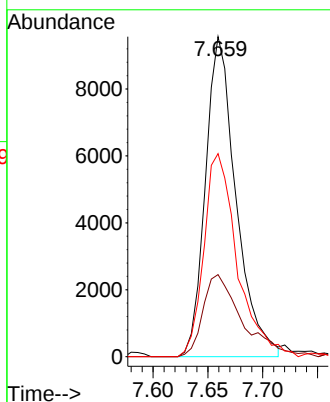
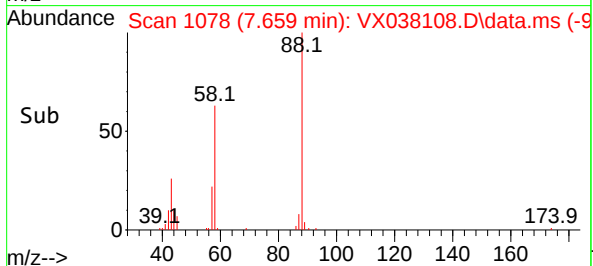
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



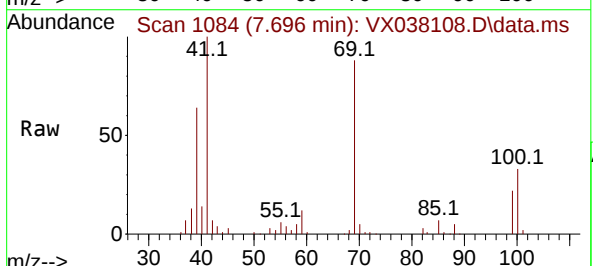
Tgt Ion: 88 Resp: 18544  
Ion Ratio Lower Upper  
88 100  
43 32.5 297.5 446.3  
58 69.4 1.0 1.4

Manual Integrations  
APPROVED

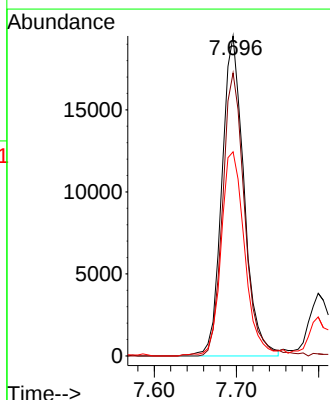
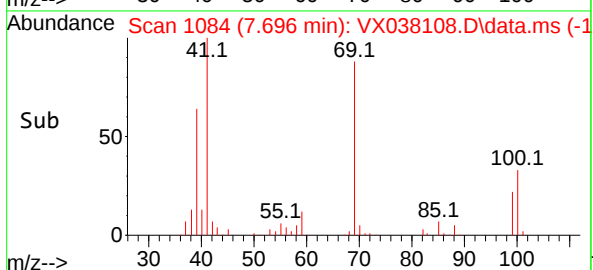
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023

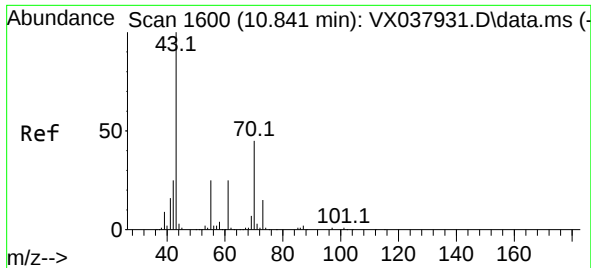


#46  
Methyl methacrylate  
Concen: 24.920 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50



Tgt Ion: 41 Resp: 36392  
Ion Ratio Lower Upper  
41 100  
69 88.4 44.4 133.1  
39 63.8 34.9 104.7





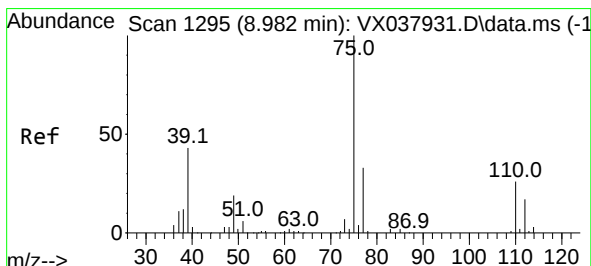
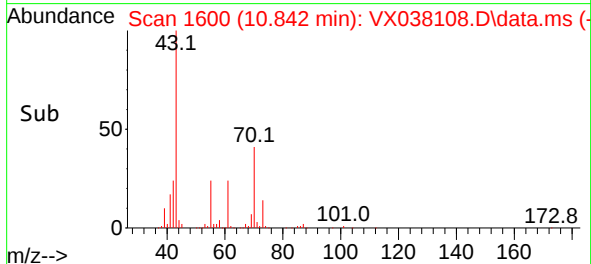
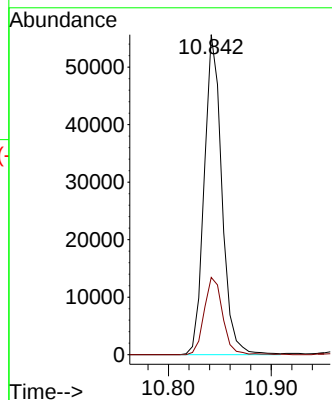
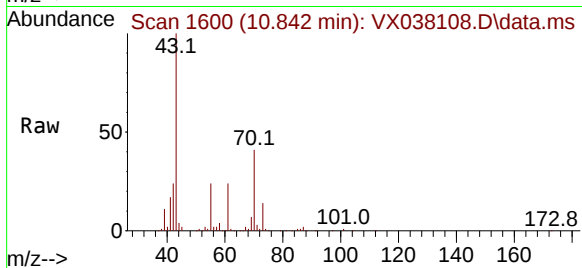
#47  
n-amy1 Acetate  
Concen: 23.016 ug/l  
RT: 10.842 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 43 Resp: 66524  
Ion Ratio Lower Upper  
43 100  
55 25.0 18.6 28.0

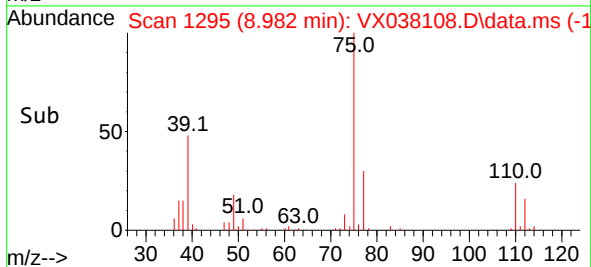
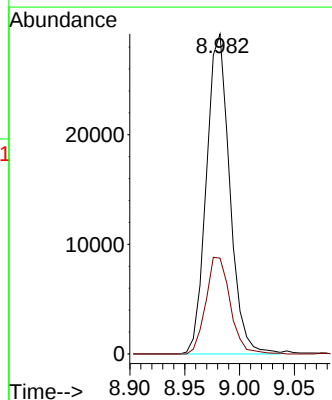
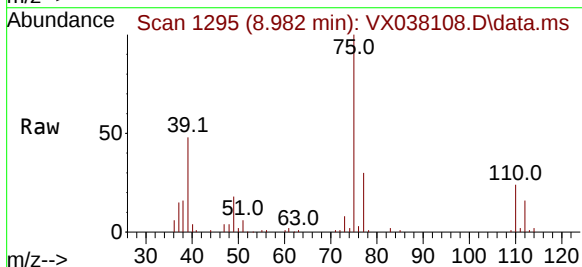
Manual Integrations  
APPROVED

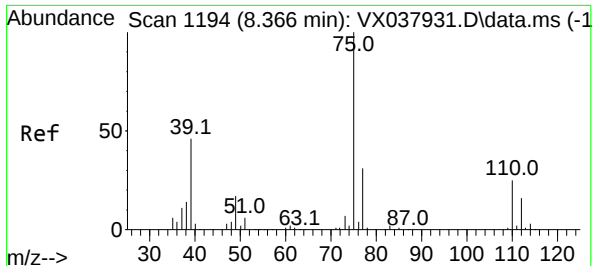
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#48  
t-1,3-Dichloropropene  
Concen: 19.752 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion: 75 Resp: 43240  
Ion Ratio Lower Upper  
75 100  
77 29.9 26.8 40.2





#49

cis-1,3-Dichloropropene

Concen: 20.208 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 47509

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2

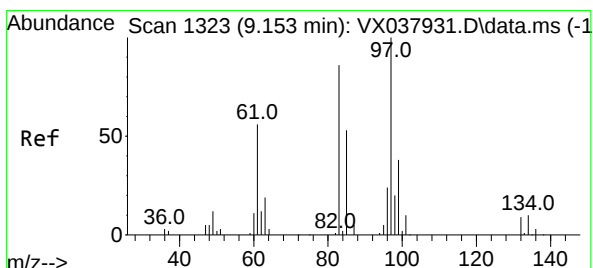
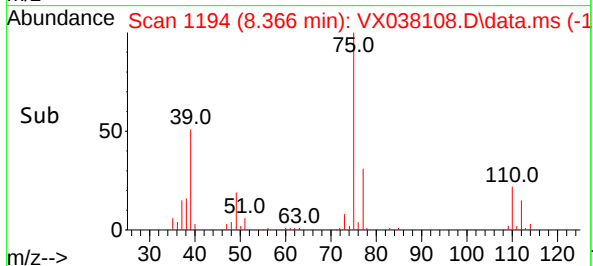
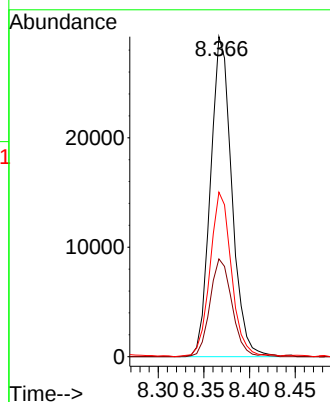
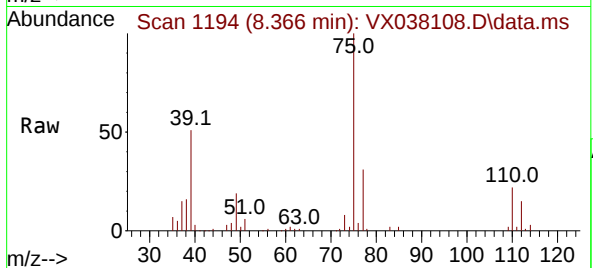
39 51.2 40.2 60.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#50

1,1,2-Trichloroethane

Concen: 21.754 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

Tgt Ion: 97 Resp: 34313

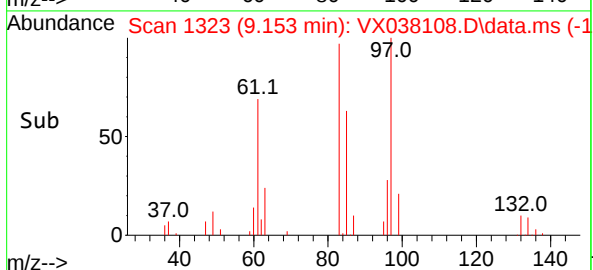
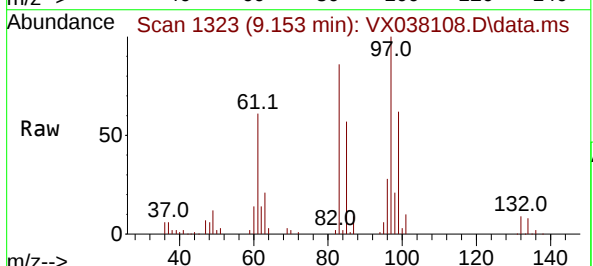
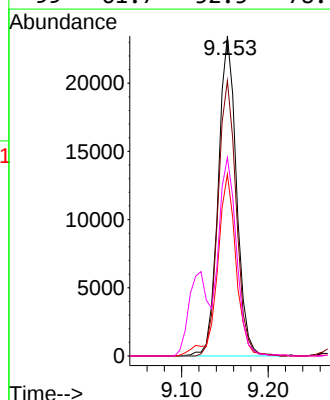
Ion Ratio Lower Upper

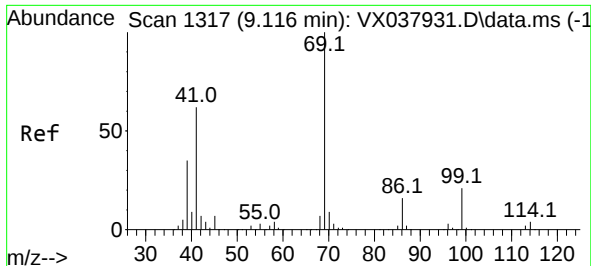
97 100

83 86.0 70.0 105.0

85 56.5 46.1 69.1

99 61.7 52.5 78.7





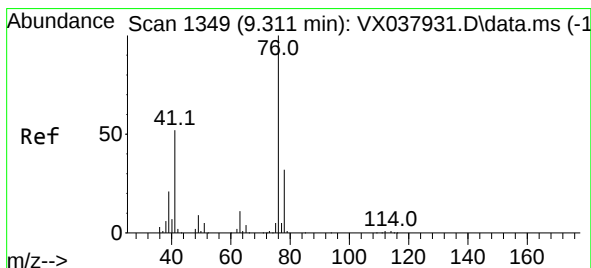
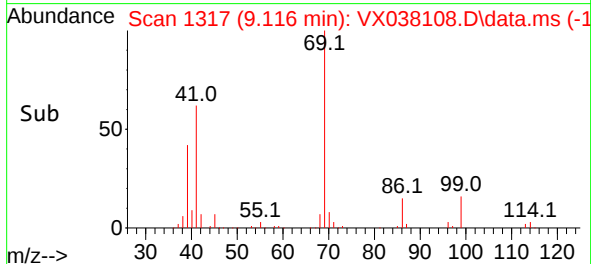
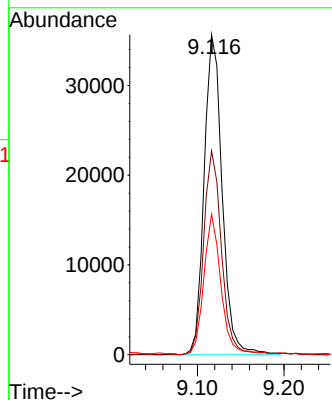
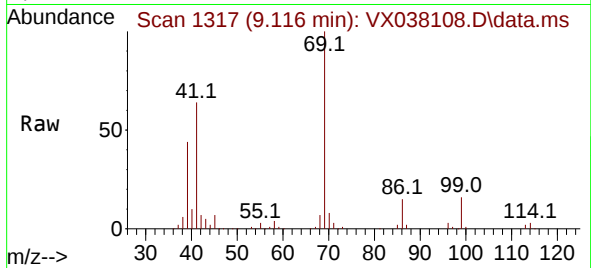
#51  
Ethyl methacrylate  
Concen: 22.205 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 69 Resp: 5160  
Ion Ratio Lower Upper  
69 100  
41 63.7 32.0 96.0  
39 43.9 19.4 58.4

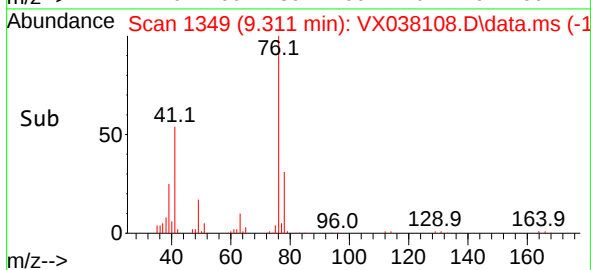
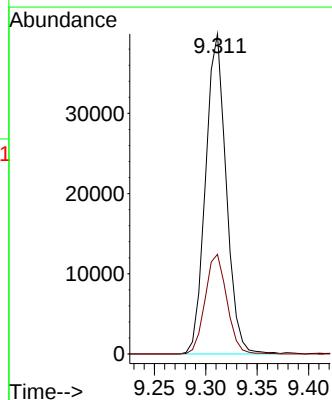
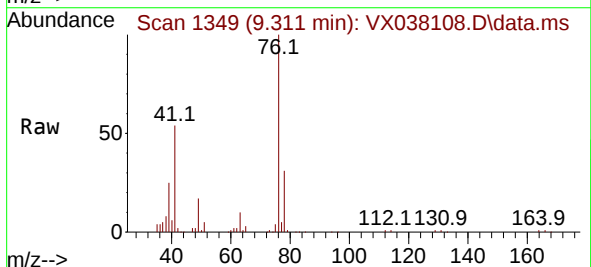
Manual Integrations  
APPROVED

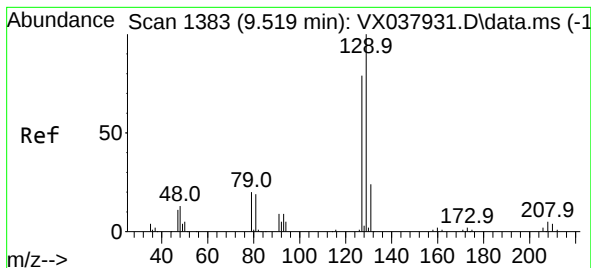
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#52  
1,3-Dichloropropane  
Concen: 22.081 ug/l  
RT: 9.311 min Scan# 1349  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion: 76 Resp: 55871  
Ion Ratio Lower Upper  
76 100  
78 32.8 0.0 63.6





#53

Dibromochloromethane

Concen: 20.129 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion:129 Resp: 3272

Ion Ratio Lower Upper

129 100

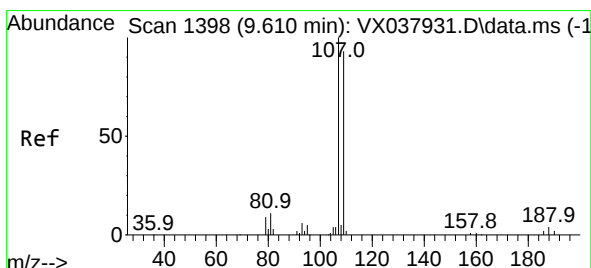
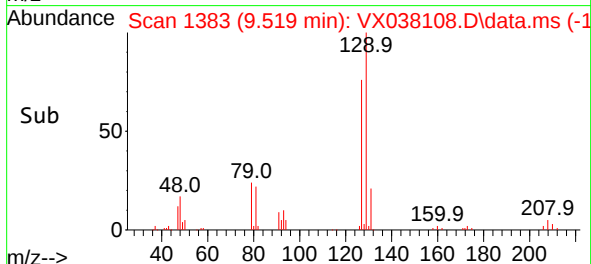
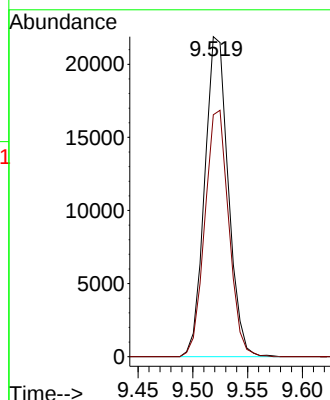
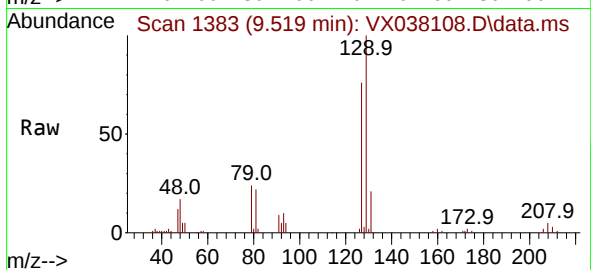
127 78.1 38.6 115.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#54

1,2-Dibromoethane

Concen: 21.674 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX038108.D

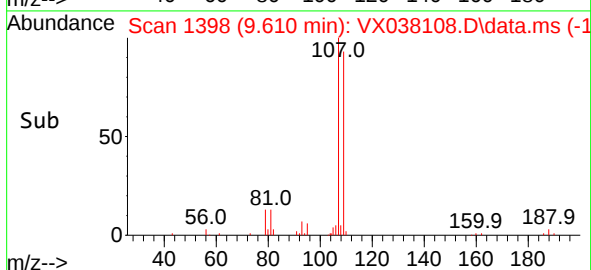
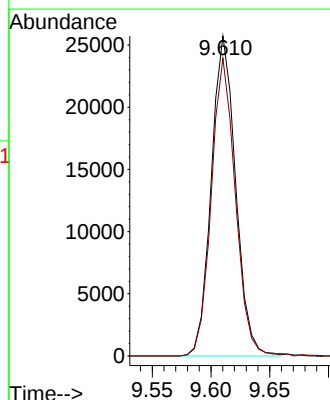
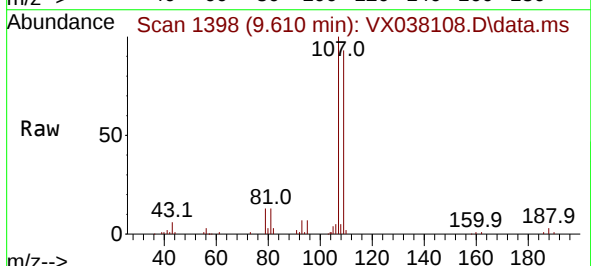
Acq: 05 Oct 2023 18:50

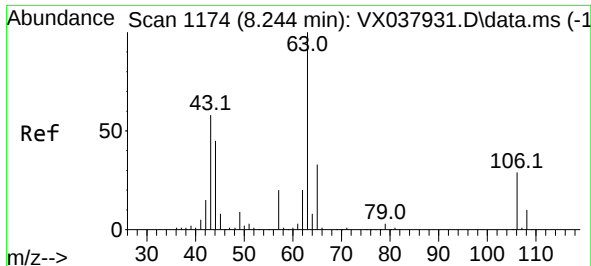
Tgt Ion:107 Resp: 37099

Ion Ratio Lower Upper

107 100

109 91.3 74.7 112.1





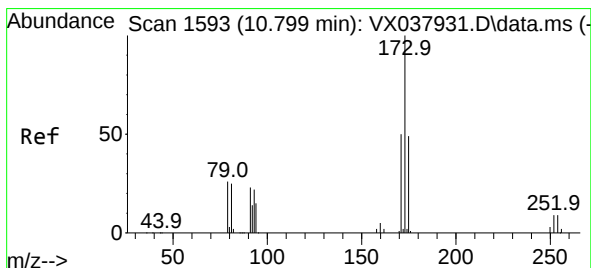
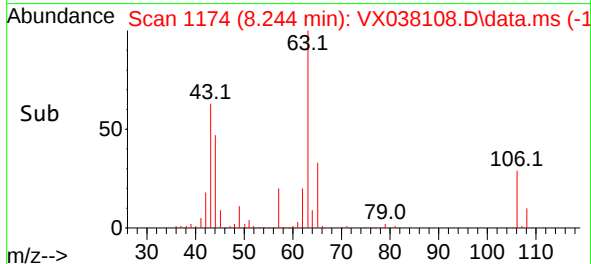
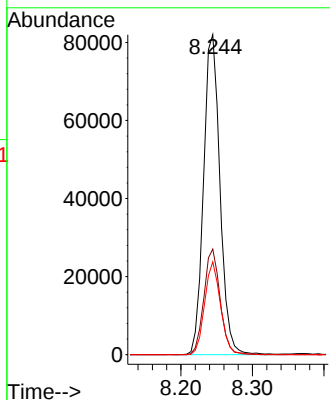
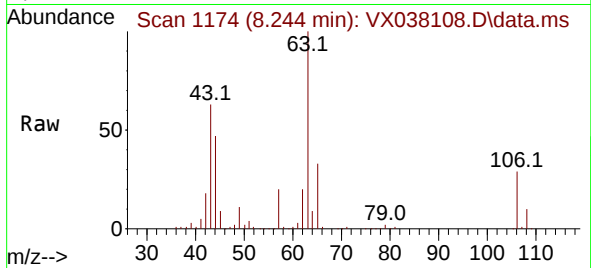
#55  
2-Chloroethyl vinyl ether  
Concen: 115.424 ug/l  
RT: 8.244 min Scan# 1174  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 63 Resp: 13077  
Ion Ratio Lower Upper  
63 100  
65 32.6 25.9 38.9  
106 28.1 21.8 32.8

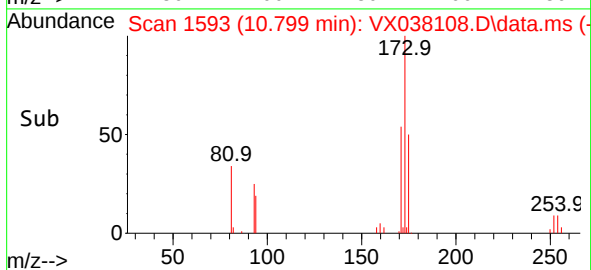
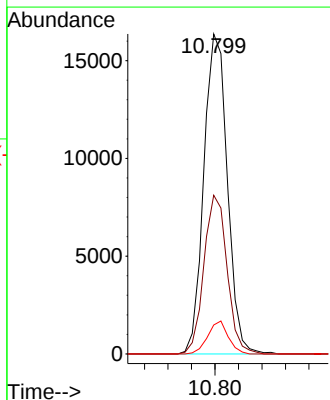
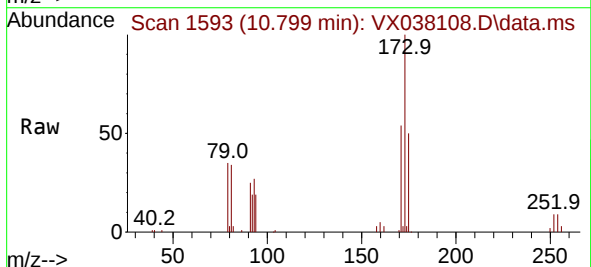
Manual Integrations  
APPROVED

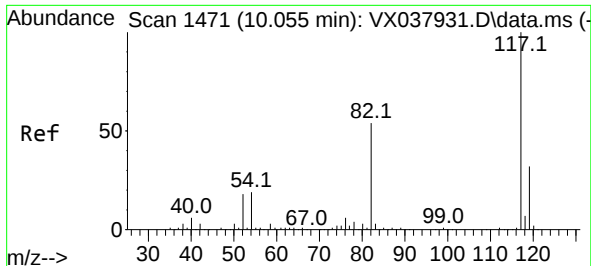
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#56  
Bromoform  
Concen: 18.615 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

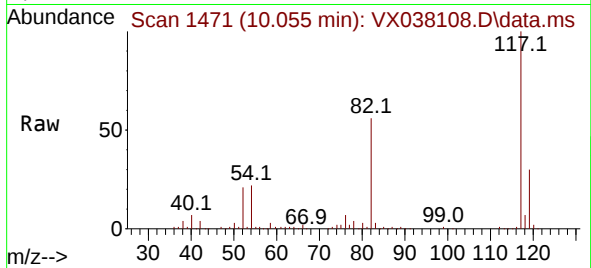
Tgt Ion:173 Resp: 22760  
Ion Ratio Lower Upper  
173 100  
175 48.8 38.1 57.1  
254 9.0 6.7 10.1





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

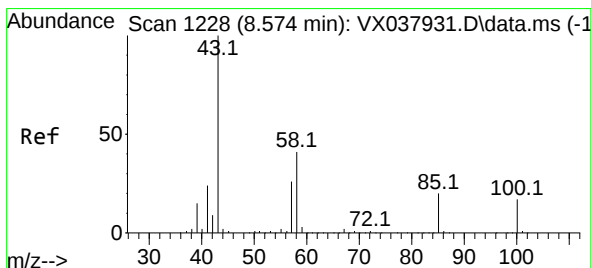
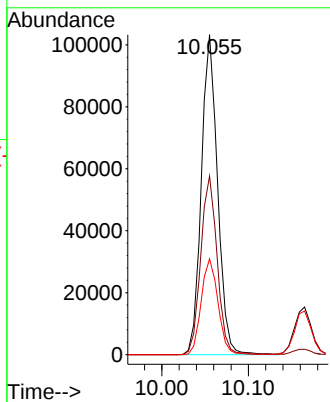
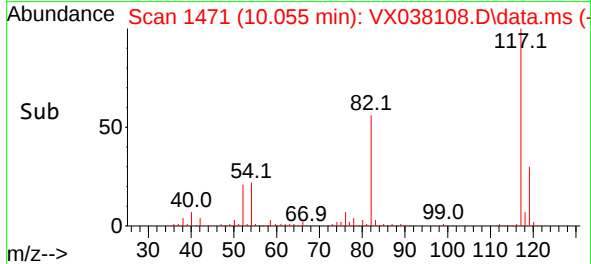
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 117 Resp: 134334  
Ion Ratio Lower Upper  
117 100  
82 56.5 44.7 67.1  
119 30.9 25.6 38.4

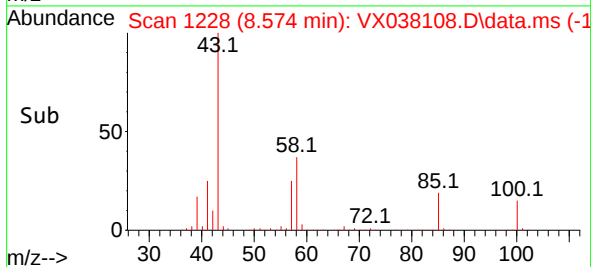
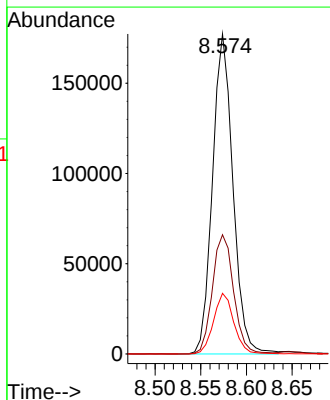
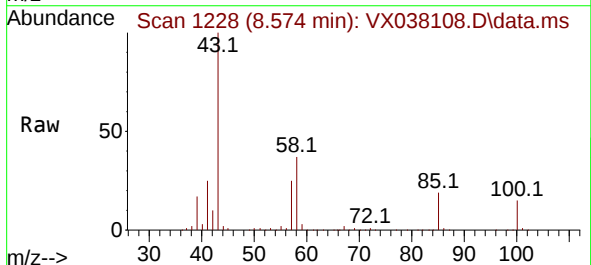
Manual Integrations  
APPROVED

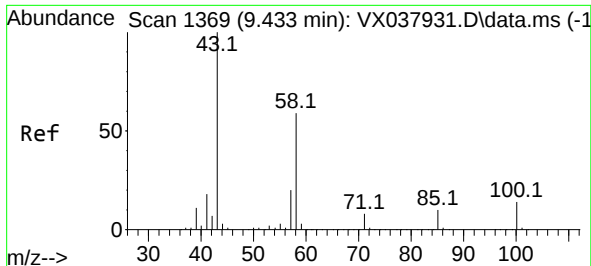
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#58  
4-Methyl-2-Pentanone  
Concen: 140.276 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

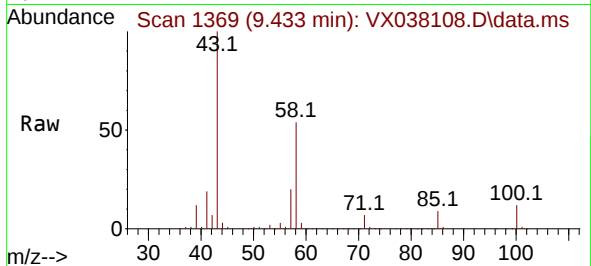
Tgt Ion: 43 Resp: 275850  
Ion Ratio Lower Upper  
43 100  
58 38.7 30.9 46.3  
85 18.9 14.4 21.6





#59  
2-Hexanone  
Concen: 148.348 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

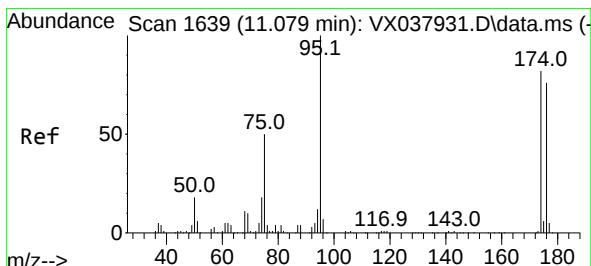
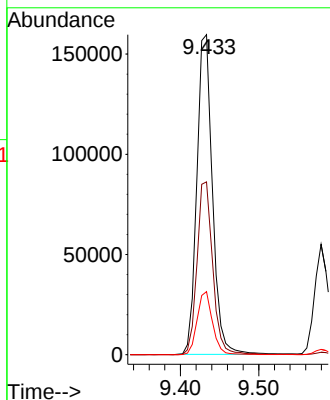
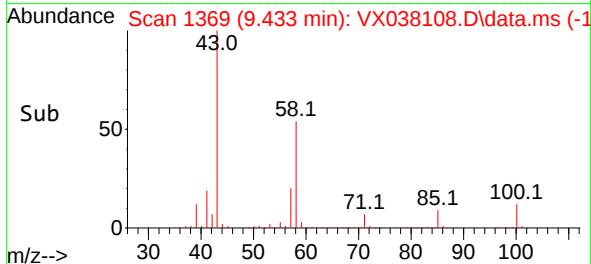
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 43 Resp: 22154  
Ion Ratio Lower Upper  
43 100  
58 54.1 43.4 65.2  
57 19.4 15.1 22.7

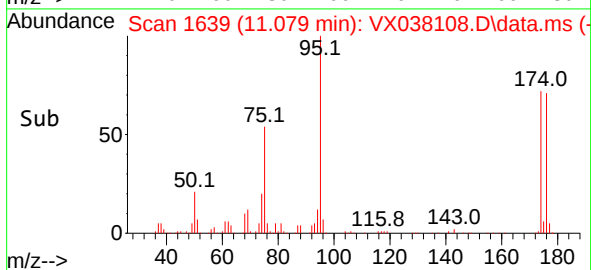
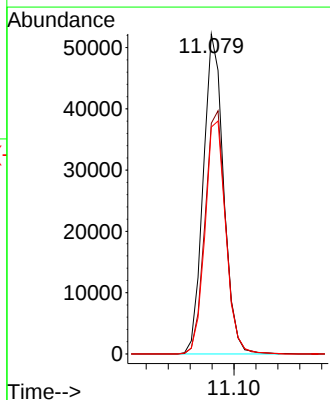
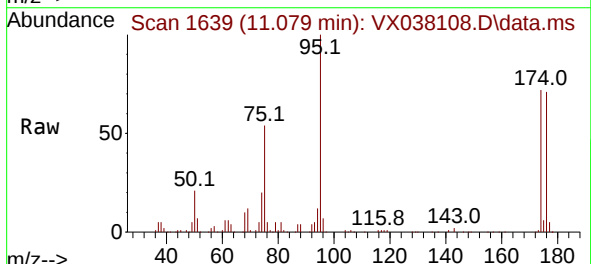
Manual Integrations  
APPROVED

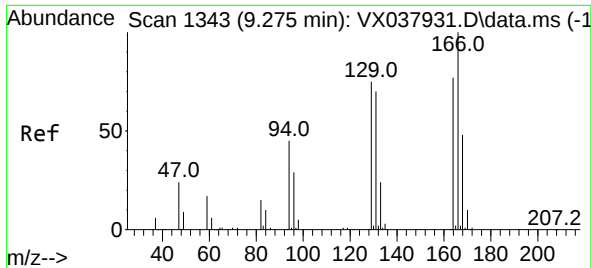
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#60  
4-Bromofluorobenzene  
Concen: 30.590 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

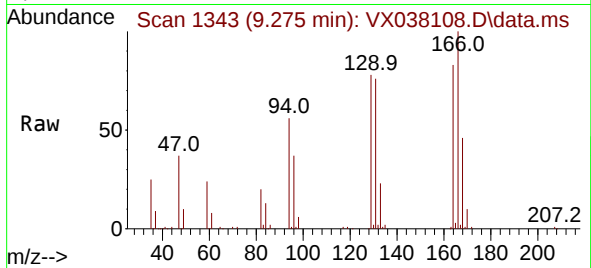
Tgt Ion: 95 Resp: 66988  
Ion Ratio Lower Upper  
95 100  
174 77.8 60.5 90.7  
176 74.7 58.2 87.4





#61  
Tetrachloroethene  
Concen: 18.994 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

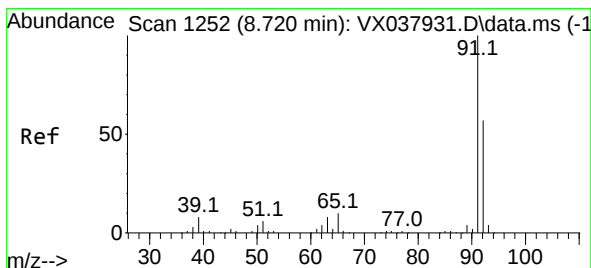
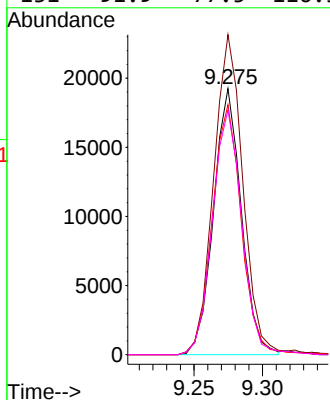
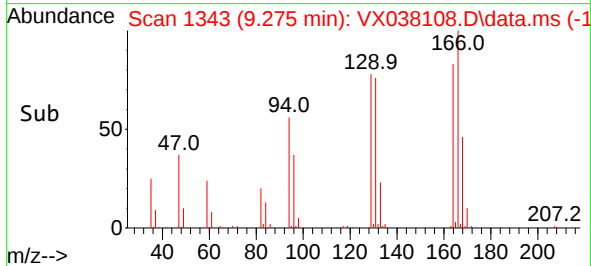
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion:164 Resp: 2715  
Ion Ratio Lower Upper  
164 100  
166 120.3 104.5 156.7  
129 93.9 78.0 117.0  
131 91.9 77.5 116.3

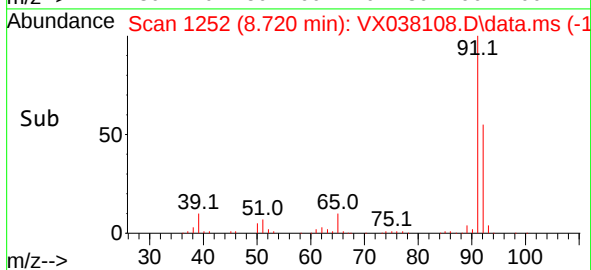
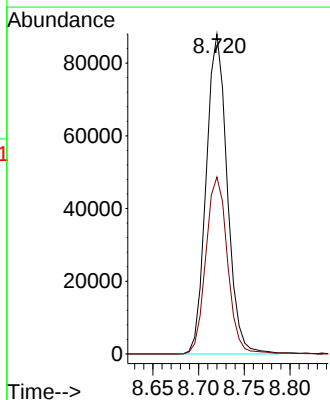
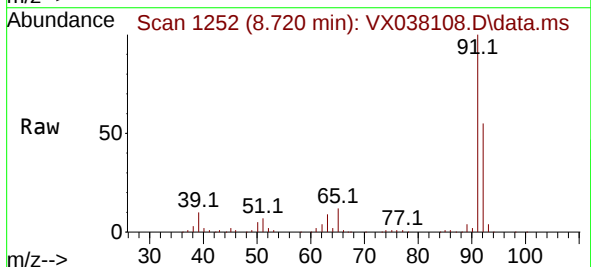
Manual Integrations  
APPROVED

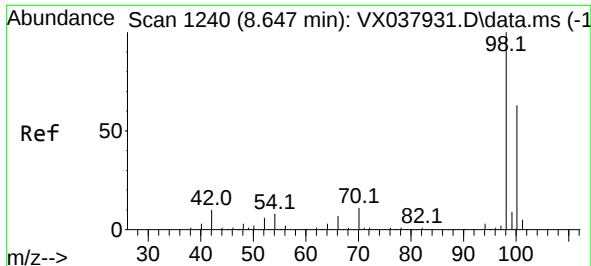
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#62  
Toluene  
Concen: 20.187 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

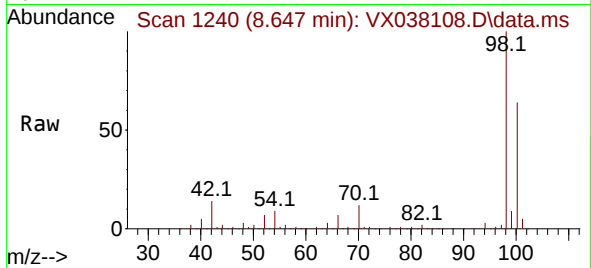
Tgt Ion: 91 Resp: 140668  
Ion Ratio Lower Upper  
91 100  
92 56.7 44.9 67.3





#63  
Toluene-d8  
Concen: 30.531 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

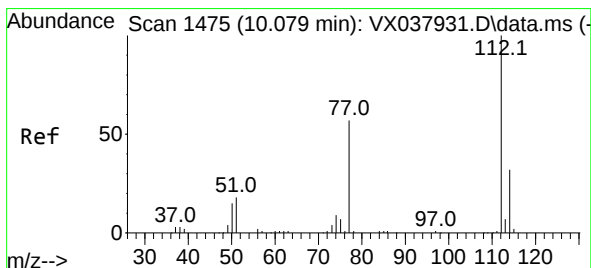
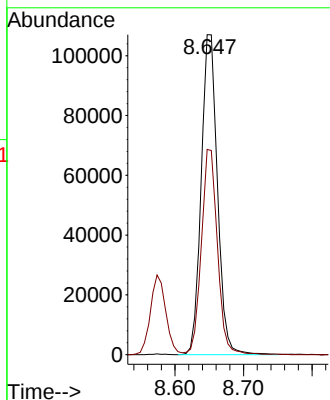
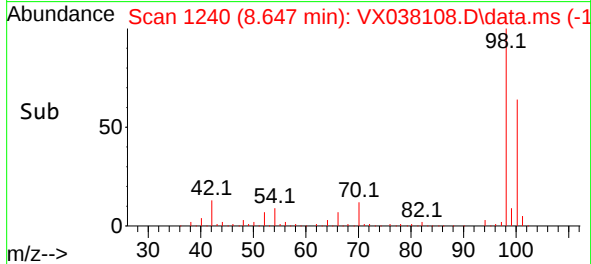
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



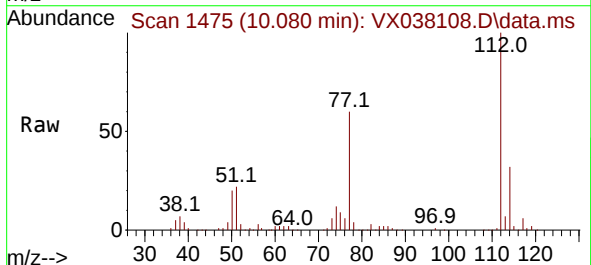
Tgt Ion: 98 Resp: 17704  
Ion Ratio Lower Upper  
98 100  
100 62.4 51.6 77.4

Manual Integrations  
APPROVED

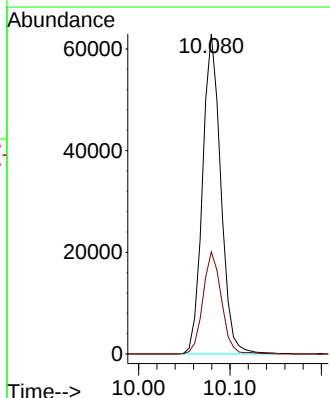
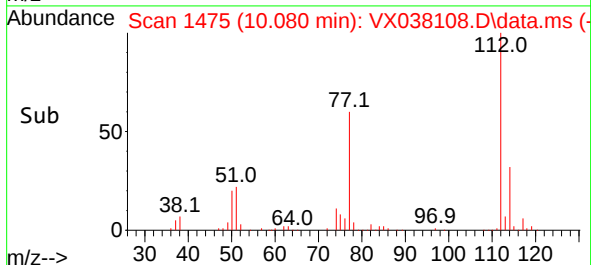
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023

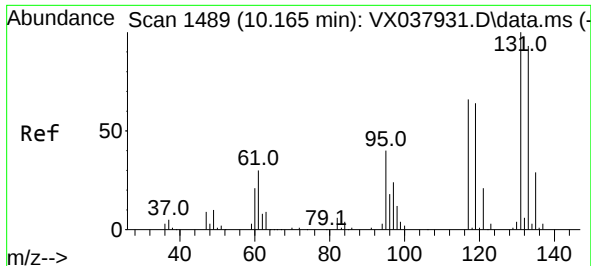


#64  
Chlorobenzene  
Concen: 20.047 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50



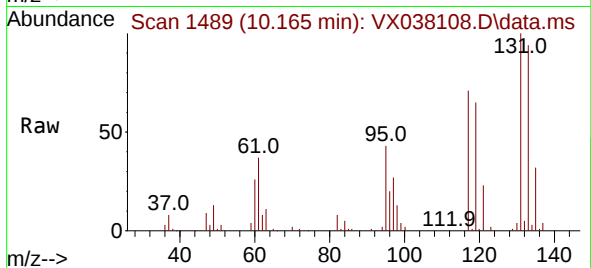
Tgt Ion:112 Resp: 87141  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.8 38.6





#65  
1,1,1,2-Tetrachloroethane  
Concen: 19.207 ug/l  
RT: 10.165 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

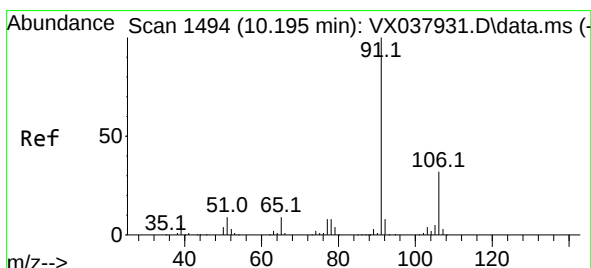
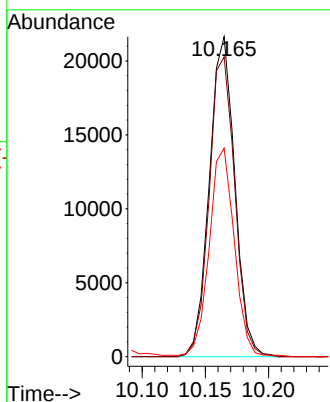
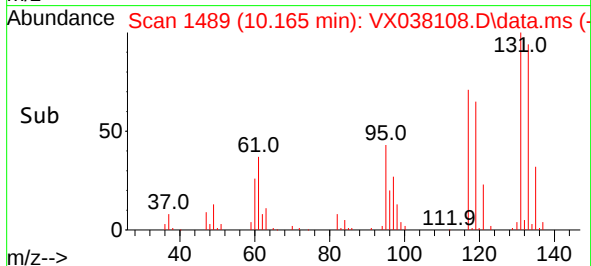
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion:131 Resp: 30300  
Ion Ratio Lower Upper  
131 100  
133 94.4 0.0 192.0  
119 63.2 0.0 132.8

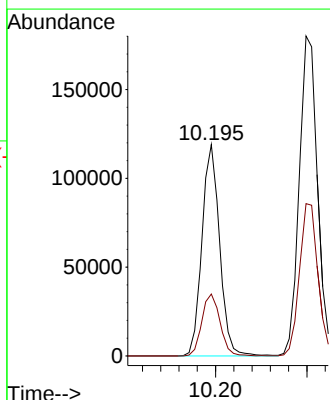
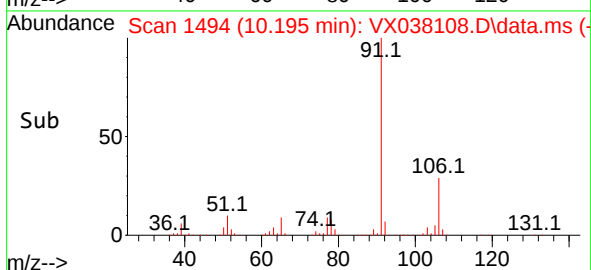
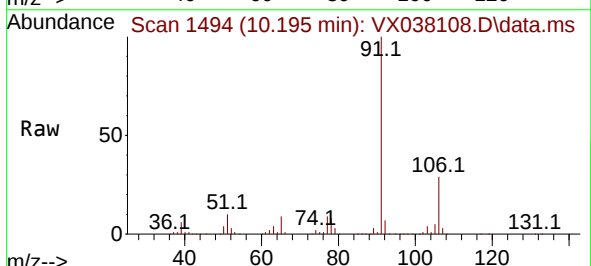
Manual Integrations  
APPROVED

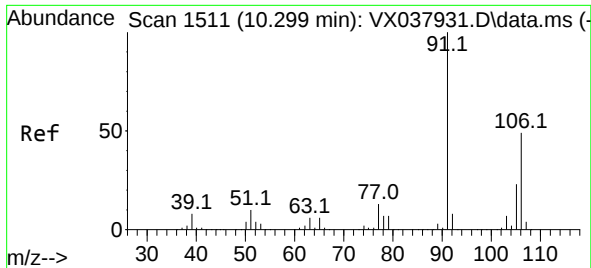
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#66  
Ethyl Benzene  
Concen: 20.783 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion: 91 Resp: 159835  
Ion Ratio Lower Upper  
91 100  
106 29.3 24.2 36.4





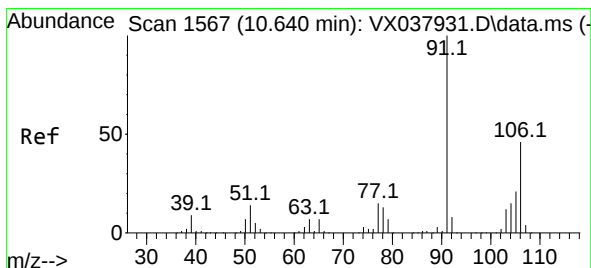
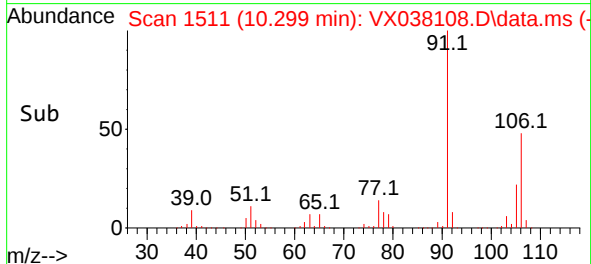
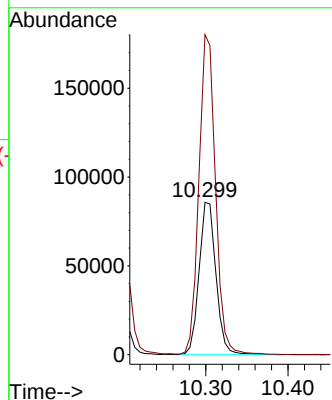
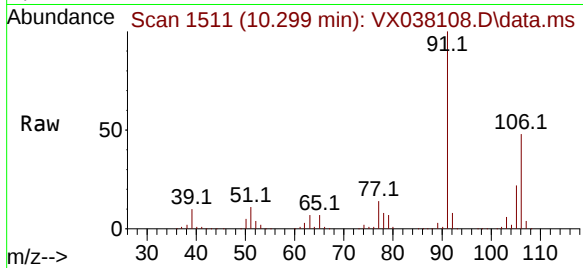
#67  
m/p-Xylenes  
Concen: 40.307 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion:106 Resp: 122115  
Ion Ratio Lower Upper  
106 100  
91 205.8 160.5 240.7

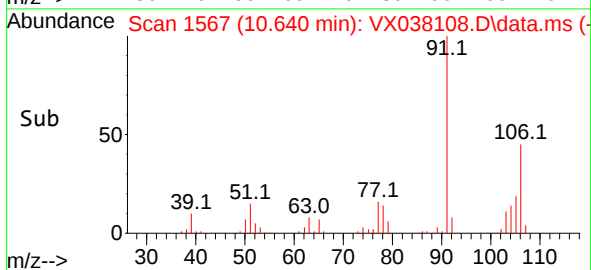
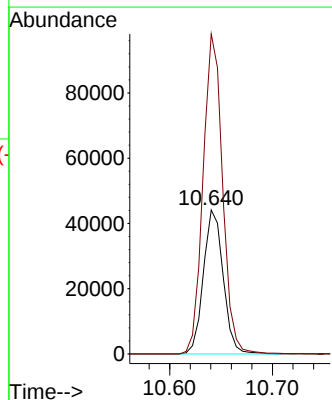
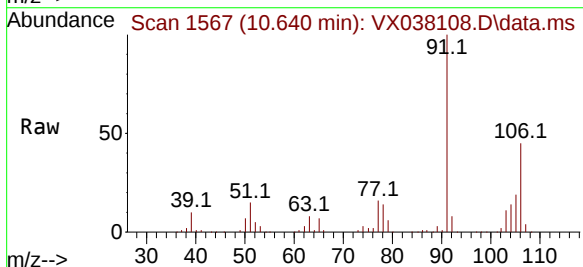
Manual Integrations  
APPROVED

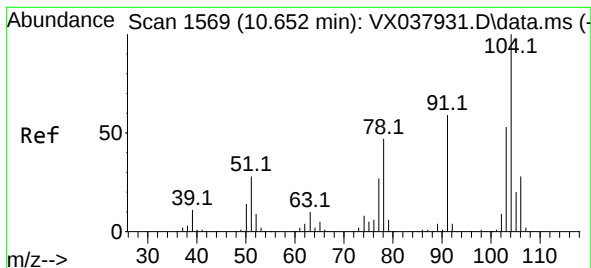
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#68  
o-Xylene  
Concen: 20.192 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion:106 Resp: 59241  
Ion Ratio Lower Upper  
106 100  
91 218.7 105.4 316.1





#69

Styrene

Concen: 20.178 ug/l

RT: 10.659 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

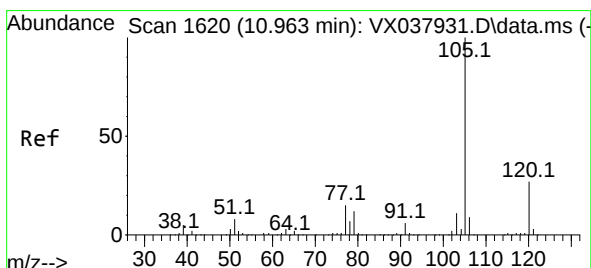
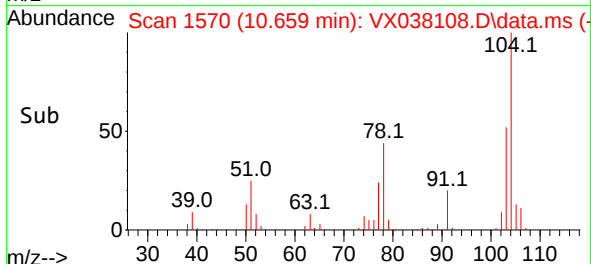
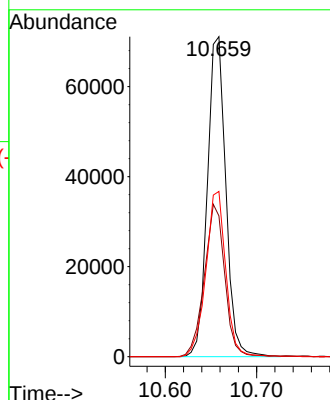
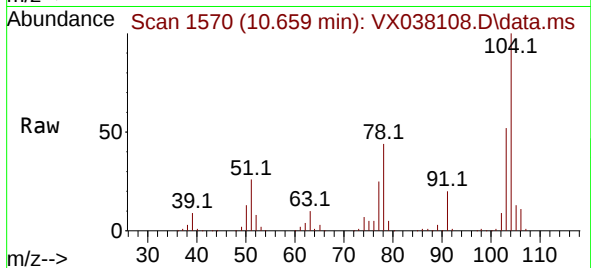
Tgt Ion:104 Resp: 9931  
 Ion Ratio Lower Upper  
 104 100  
 78 52.6 41.0 61.4  
 103 55.9 45.5 68.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#70

Isopropylbenzene

Concen: 19.993 ug/l

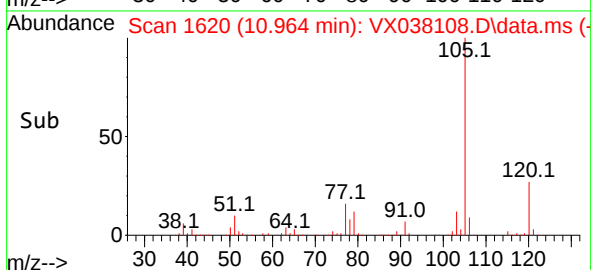
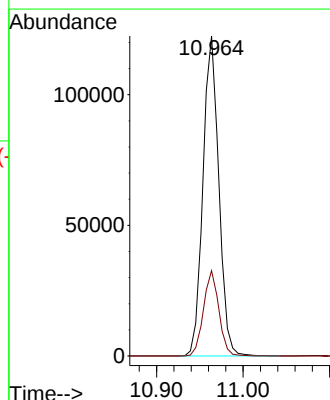
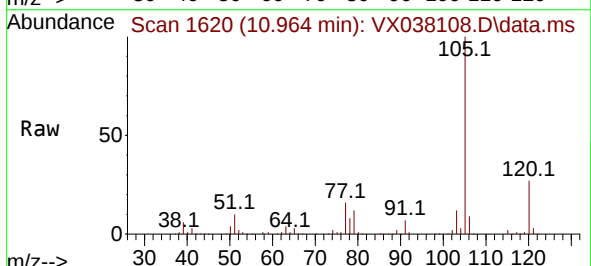
RT: 10.964 min Scan# 1620

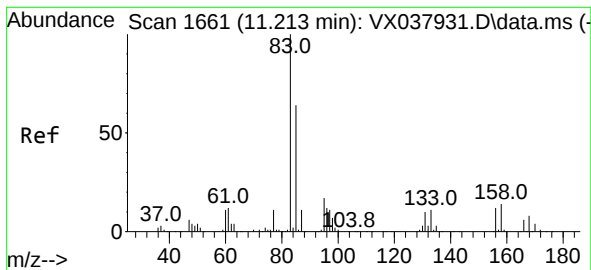
Delta R.T. 0.000 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

Tgt Ion:105 Resp: 155663  
 Ion Ratio Lower Upper  
 105 100  
 120 25.8 19.5 36.3





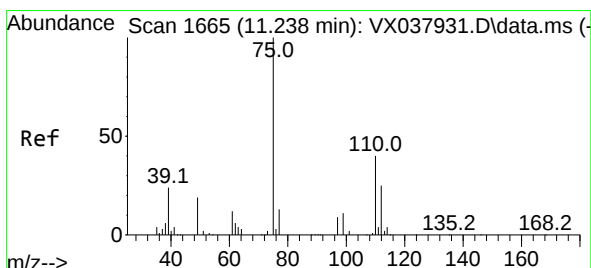
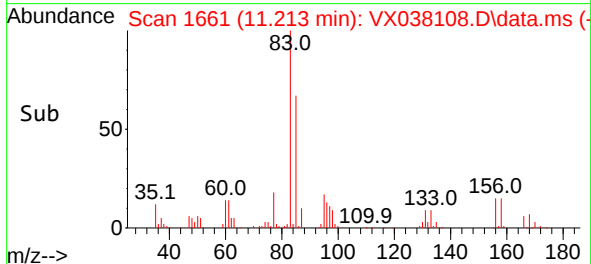
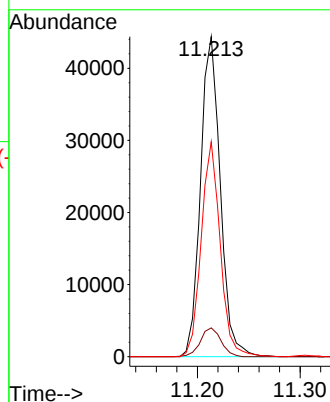
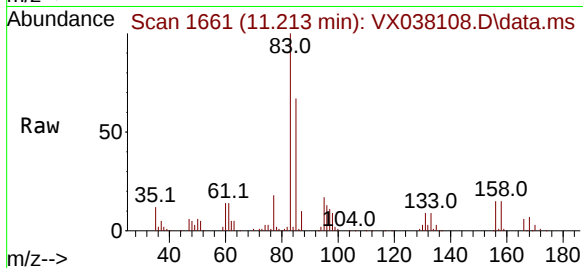
#71  
1,1,2,2-Tetrachloroethane  
Concen: 23.223 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 83 Resp: 59592  
Ion Ratio Lower Upper  
83 100  
131 9.4 5.3 15.8  
85 64.4 32.4 97.0

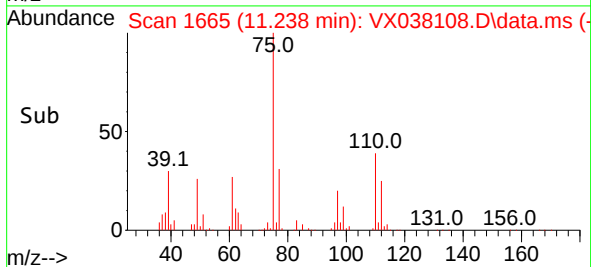
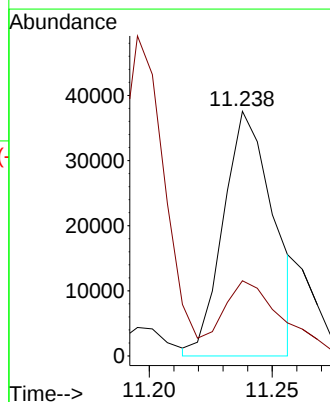
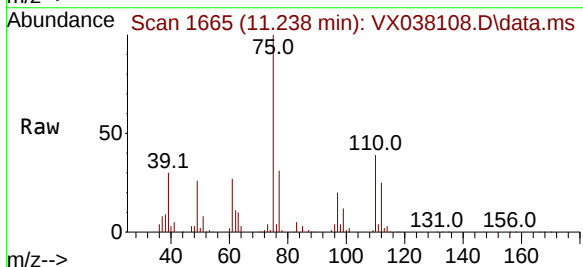
Manual Integrations  
APPROVED

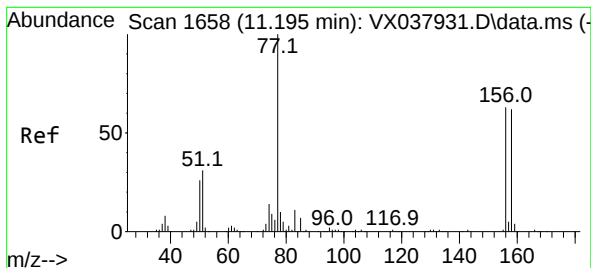
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#72  
1,2,3-Trichloropropane  
Concen: 23.565 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Tgt Ion: 75 Resp: 53095  
Ion Ratio Lower Upper  
75 100  
77 37.2 0.0 77.2





#73

Bromobenzene

Concen: 19.409 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

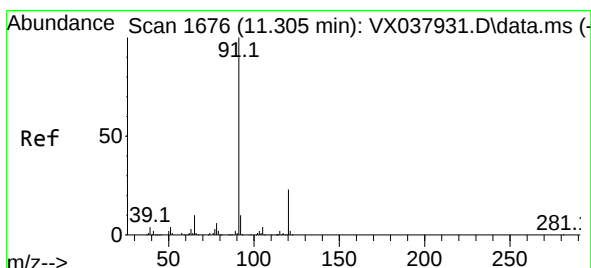
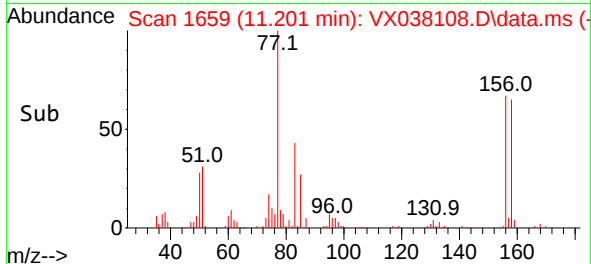
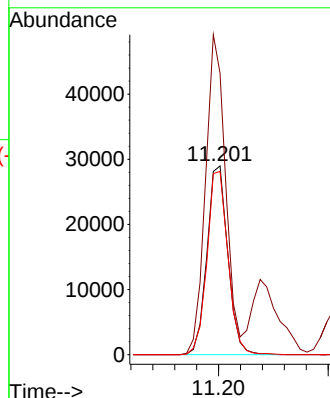
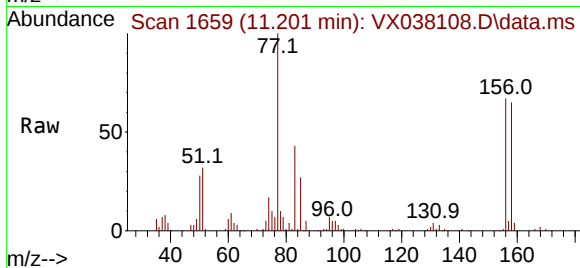
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 3833  |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 162.1 | 0.0   | 333.0 |
| 158       | 97.9  | 0.0   | 196.4 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#74

n-propylbenzene

Concen: 20.958 ug/l

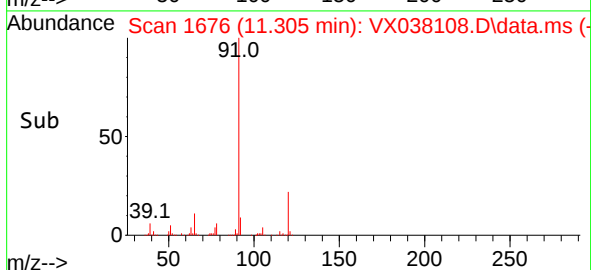
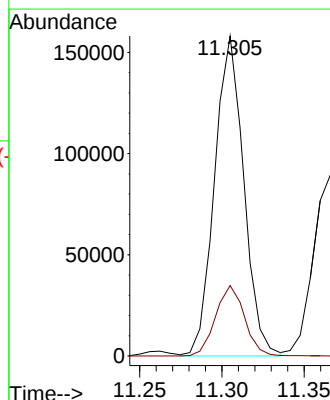
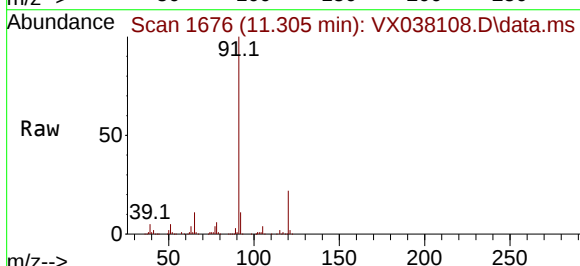
RT: 11.305 min Scan# 1676

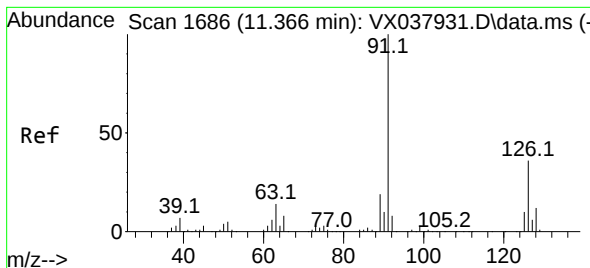
Delta R.T. 0.000 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 194945 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.9  | 0.0   | 46.6   |





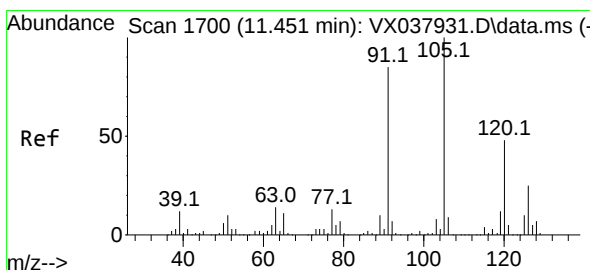
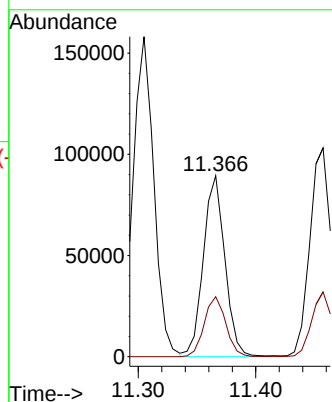
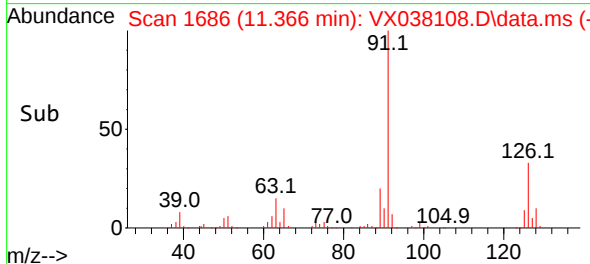
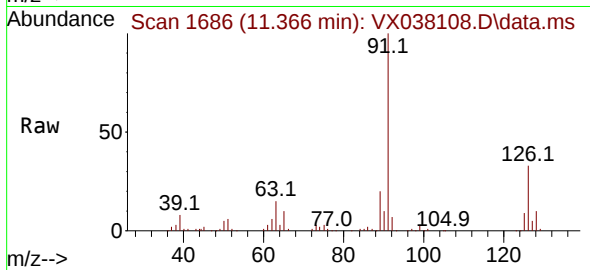
#75  
2-Chlorotoluene  
Concen: 20.982 ug/l  
RT: 11.366 min Scan# 11425  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 91 Resp: 11425  
Ion Ratio Lower Upper  
91 100  
126 33.0 0.0 66.2

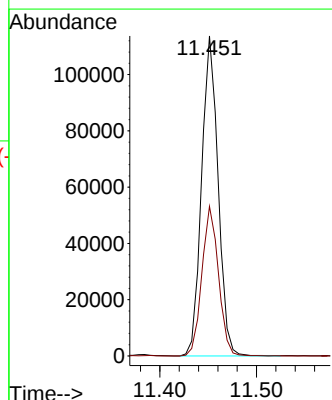
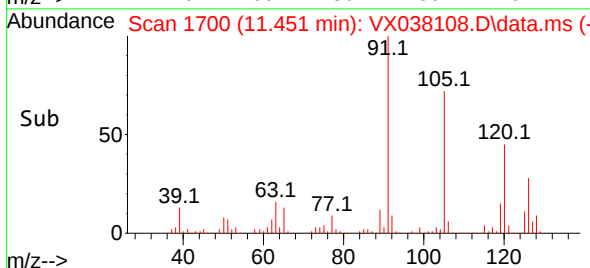
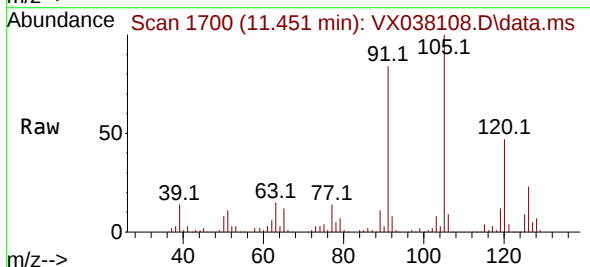
Manual Integrations  
APPROVED

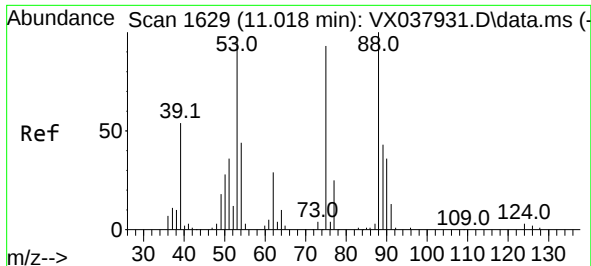
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#76  
1,3,5-Trimethylbenzene  
Concen: 20.111 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

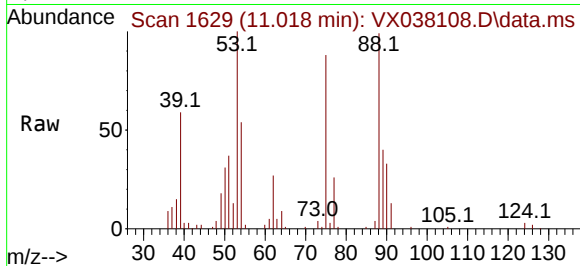
Tgt Ion:105 Resp: 135034  
Ion Ratio Lower Upper  
105 100  
120 47.0 0.0 96.4





#77  
t-1,4-Dichloro-2-butene  
Concen: 19.371 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

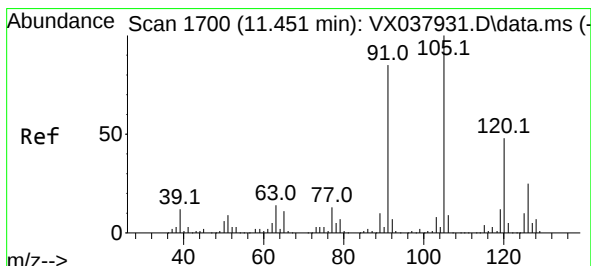
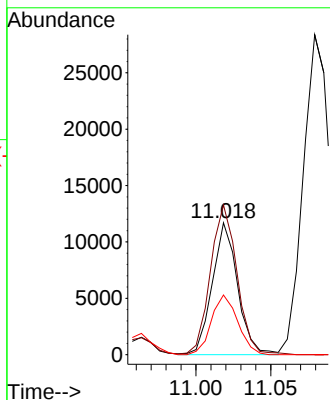
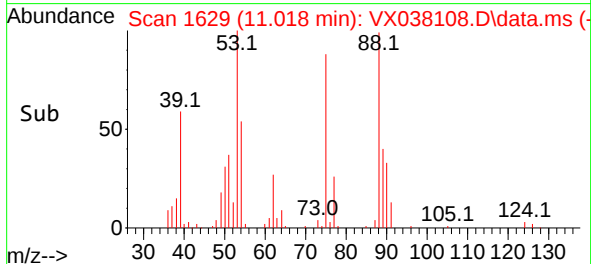
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



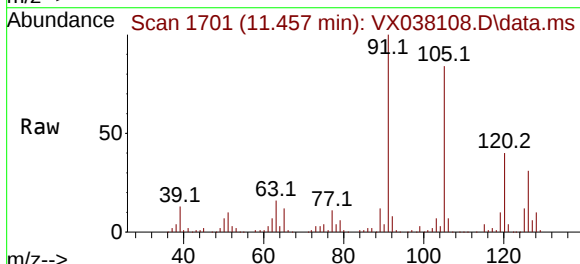
Tgt Ion: 75 Resp: 1382  
Ion Ratio Lower Upper  
75 100  
53 113.7 53.9 161.7  
89 45.6 22.1 66.1

Manual Integrations  
APPROVED

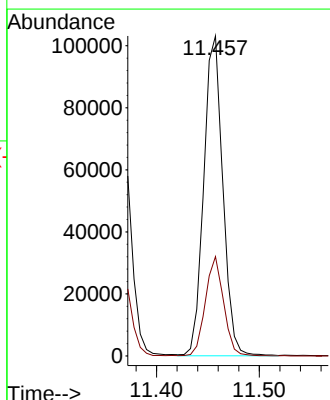
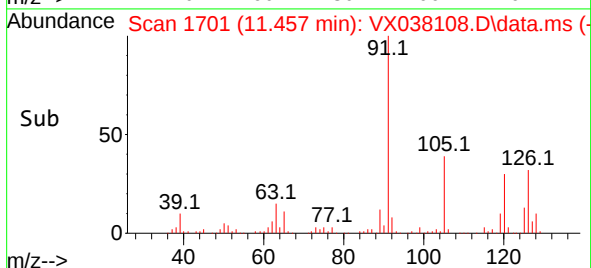
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023

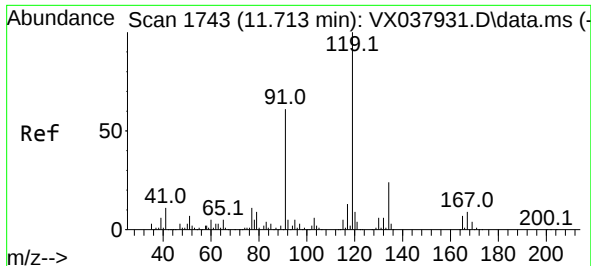


#78  
4-Chlorotoluene  
Concen: 20.826 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50



Tgt Ion: 91 Resp: 133045  
Ion Ratio Lower Upper  
91 100  
126 29.7 0.0 59.4





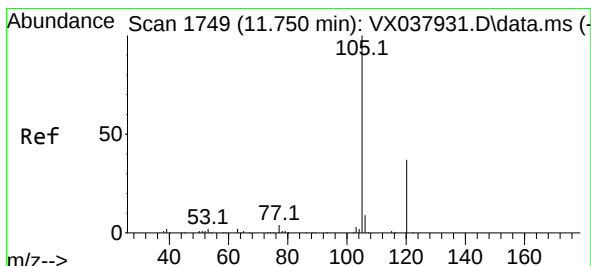
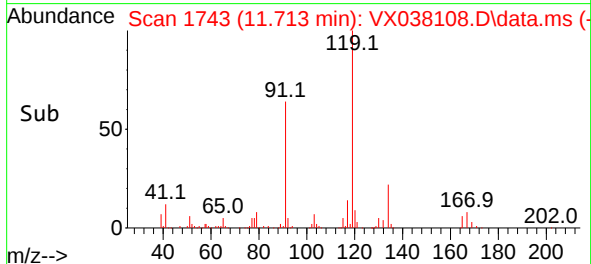
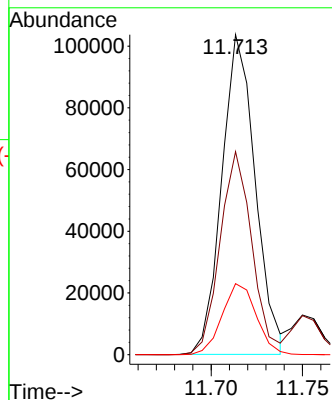
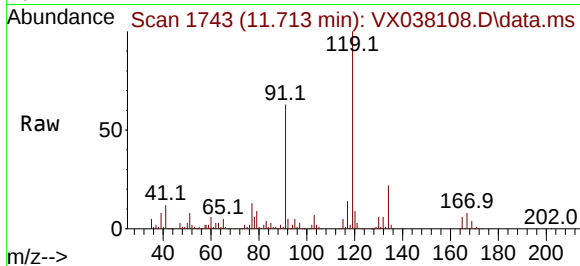
#79  
tert-butylbenzene  
Concen: 19.960 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion:119 Resp: 131904  
Ion Ratio Lower Upper  
119 100  
91 60.8 0.0 124.4  
134 22.8 0.0 47.2

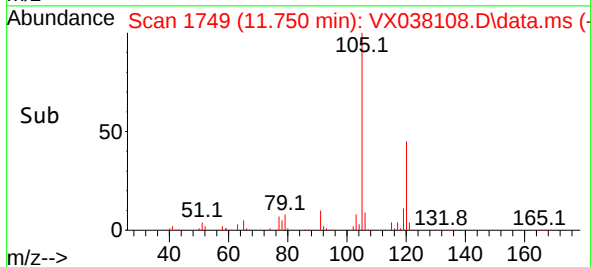
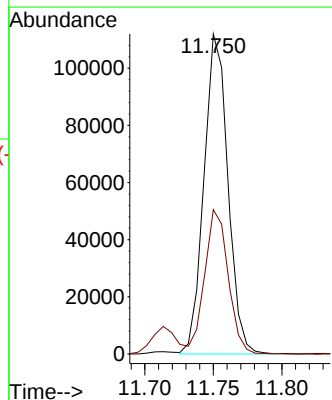
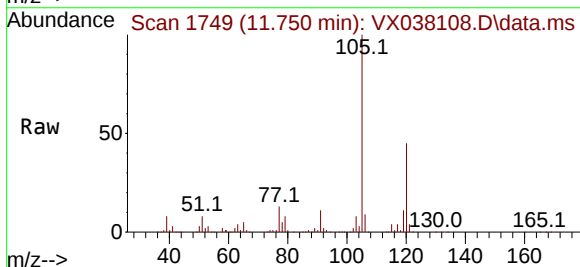
Manual Integrations  
APPROVED

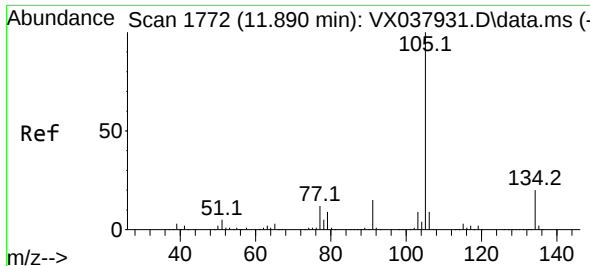
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#80  
1,2,4-Trimethylbenzene  
Concen: 20.390 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

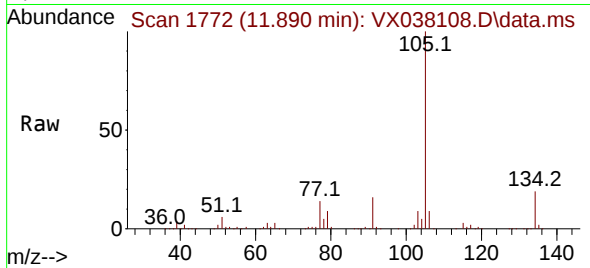
Tgt Ion:105 Resp: 136099  
Ion Ratio Lower Upper  
105 100  
120 44.1 0.0 90.2





#81  
 sec-Butylbenzene  
 Concen: 20.692 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX038108.D  
 Acq: 05 Oct 2023 18:50

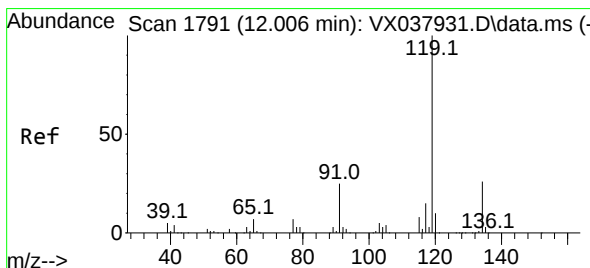
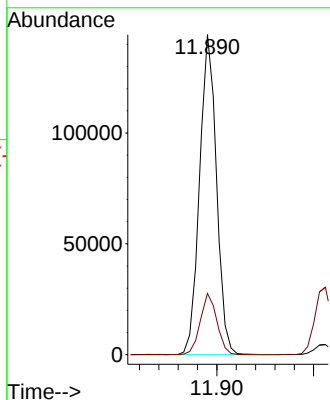
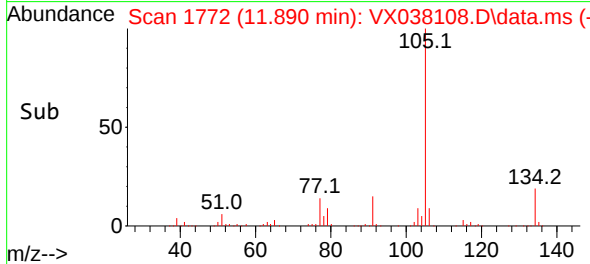
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020



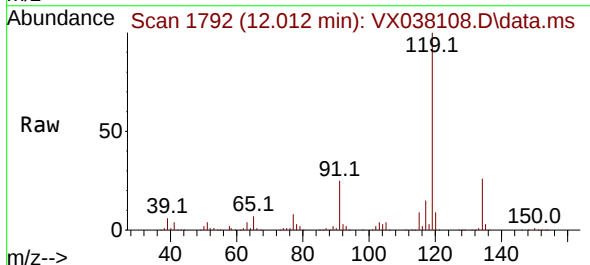
Tgt Ion:105 Resp: 175849  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 0.0 41.2

Manual Integrations  
 APPROVED

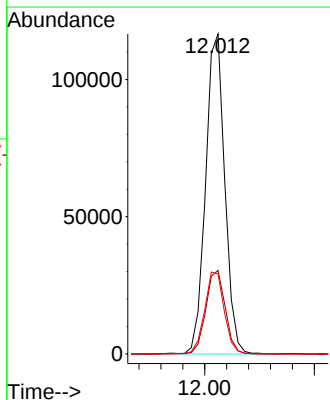
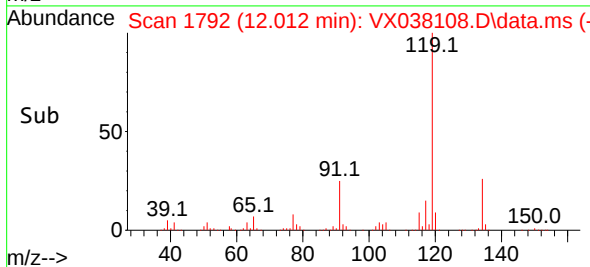
Reviewed By :John Carlone 10/06/2023  
 Supervised By :Mahesh Dadoda 10/06/2023

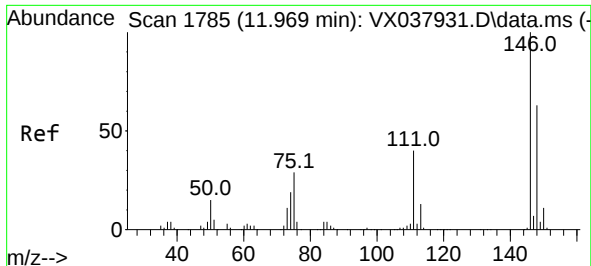


#82  
 p-Isopropyltoluene  
 Concen: 19.803 ug/l  
 RT: 12.012 min Scan# 1792  
 Delta R.T. 0.006 min  
 Lab File: VX038108.D  
 Acq: 05 Oct 2023 18:50



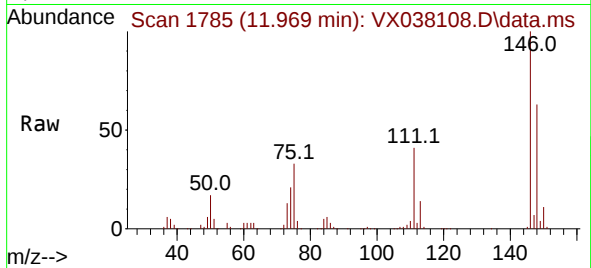
Tgt Ion:119 Resp: 141291  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 0.0 53.2  
 91 26.2 0.0 49.4





#83  
1,3-Dichlorobenzene  
Concen: 19.714 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

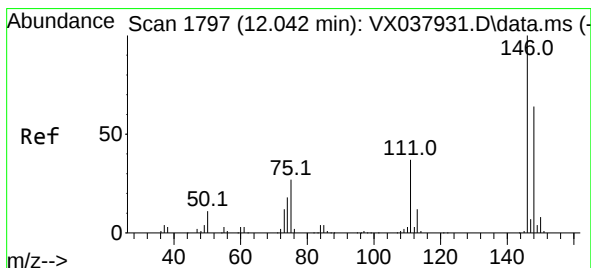
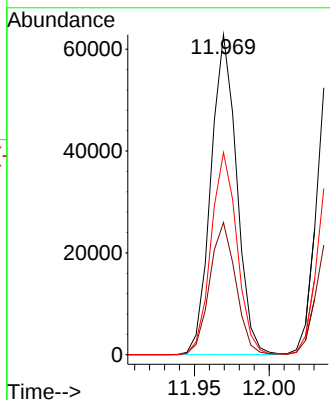
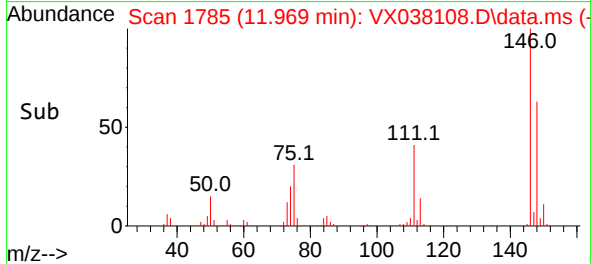
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



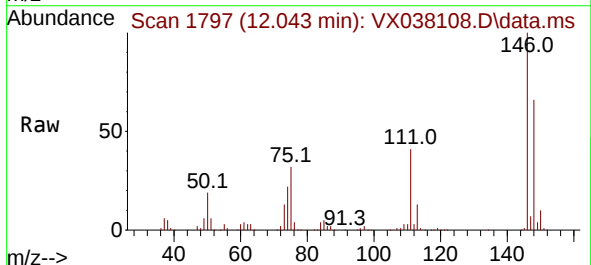
Tgt Ion:146 Resp: 75229  
Ion Ratio Lower Upper  
146 100  
111 42.0 20.4 61.2  
148 63.8 31.6 94.8

Manual Integrations  
APPROVED

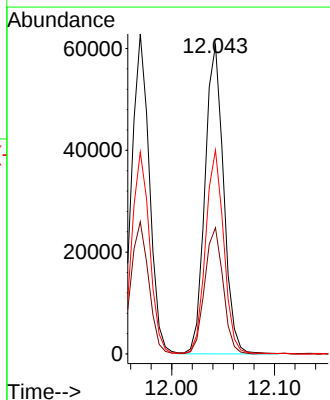
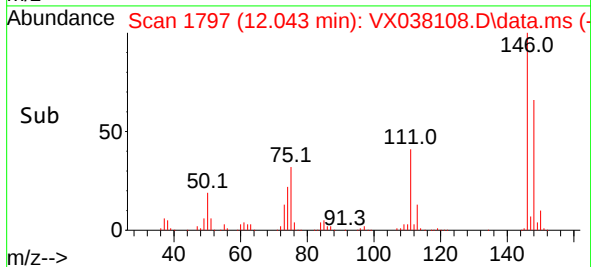
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023

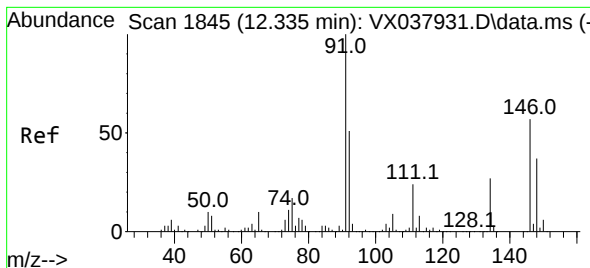


#84  
1,4-Dichlorobenzene  
Concen: 19.782 ug/l  
RT: 12.043 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50



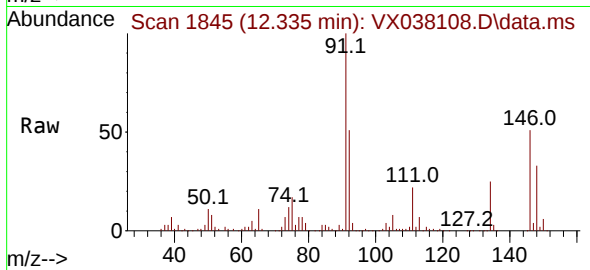
Tgt Ion:146 Resp: 76490  
Ion Ratio Lower Upper  
146 100  
111 40.5 20.2 60.6  
148 64.6 32.1 96.3





#85  
n-Butylbenzene  
Concen: 20.433 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

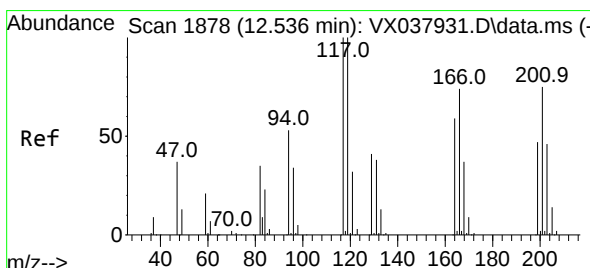
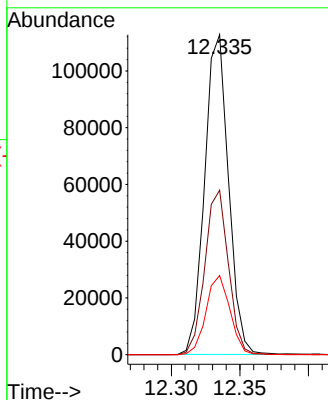
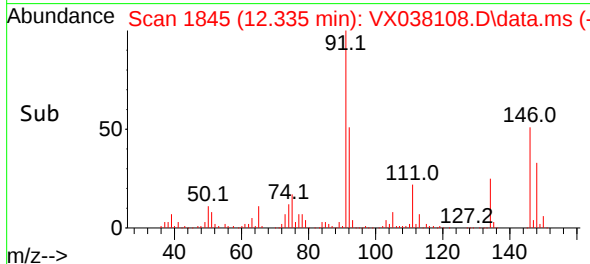
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 91 Resp: 136400  
Ion Ratio Lower Upper  
91 100  
92 51.0 0.0 105.2  
134 24.9 0.0 51.4

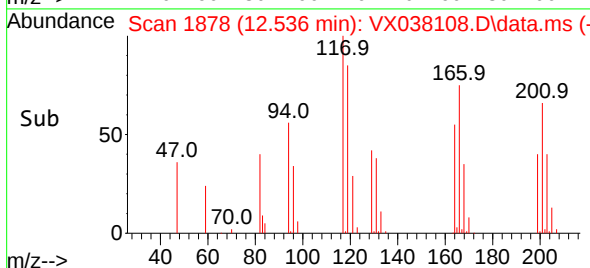
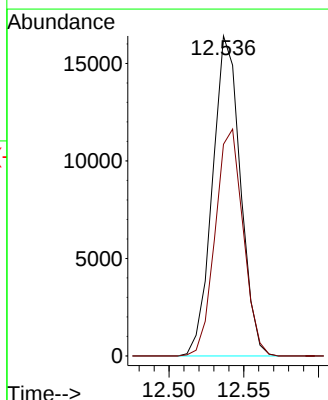
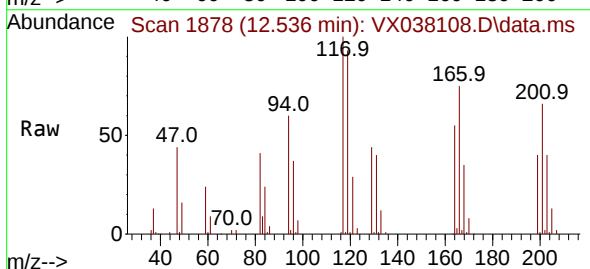
Manual Integrations  
APPROVED

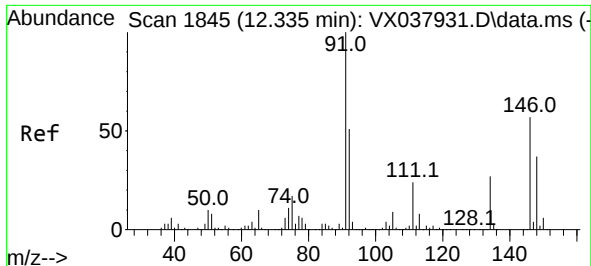
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#86  
Hexachloroethane  
Concen: 18.325 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

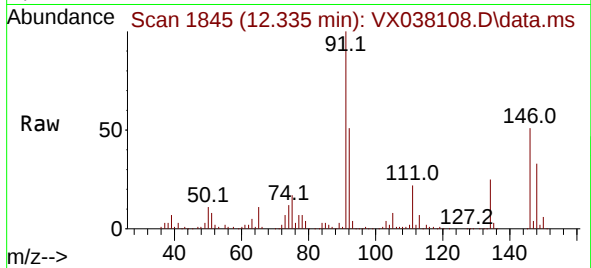
Tgt Ion:117 Resp: 21302  
Ion Ratio Lower Upper  
117 100  
201 71.1 36.0 108.0





#87  
1,2-Dichlorobenzene  
Concen: 19.485 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

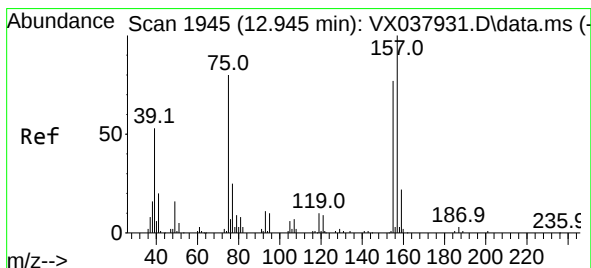
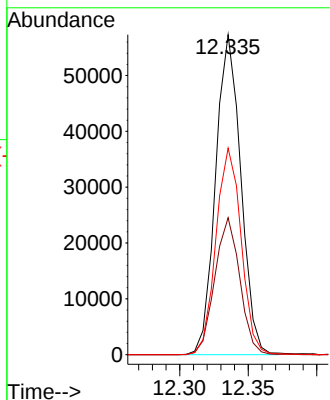
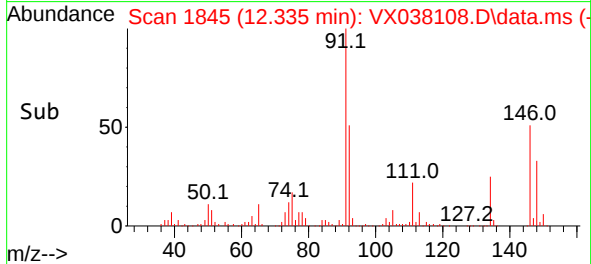
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



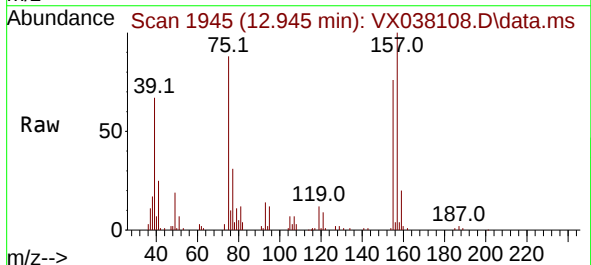
Tgt Ion:146 Resp: 7325  
Ion Ratio Lower Upper  
146 100  
111 42.6 21.4 64.3  
148 64.8 33.2 99.6

Manual Integrations  
APPROVED

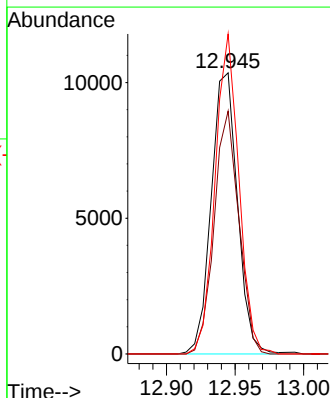
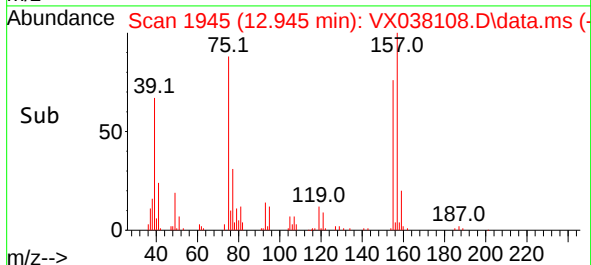
Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023

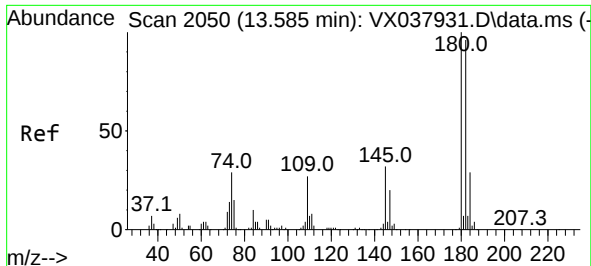


#88  
1,2-Dibromo-3-Chloropropane  
Concen: 26.955 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50



Tgt Ion: 75 Resp: 13777  
Ion Ratio Lower Upper  
75 100  
155 81.5 62.7 94.1  
157 102.9 81.5 122.3





#89

1,2,4-Trichlorobenzene

Concen: 18.604 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion:180 Resp: 47588

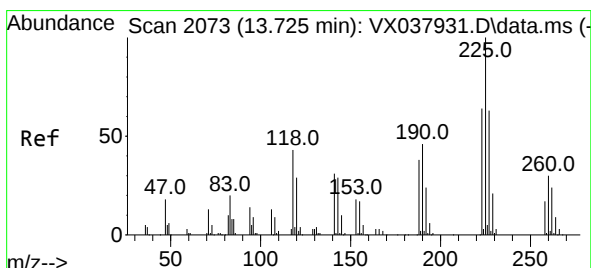
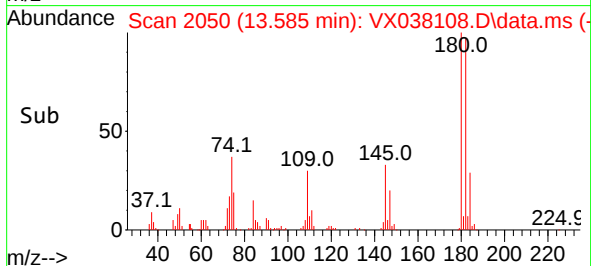
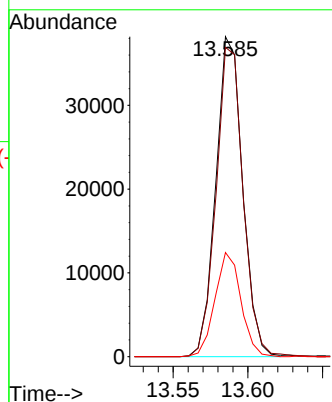
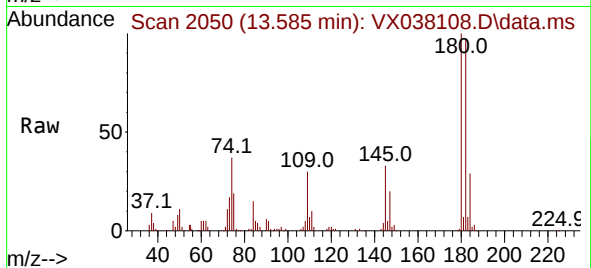
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.8  | 75.6  | 113.4 |
| 145 | 31.5  | 25.4  | 38.2  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#90

Hexachlorobutadiene

Concen: 17.388 ug/l

RT: 13.725 min Scan# 2073

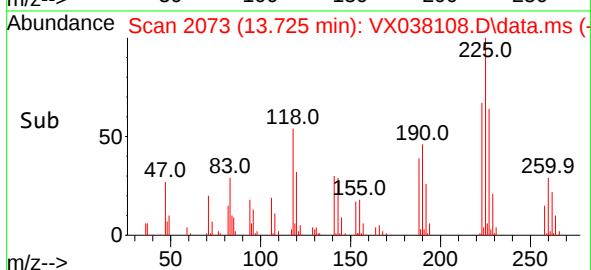
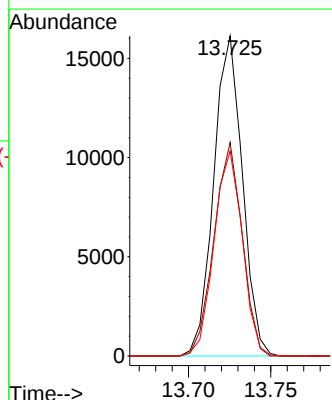
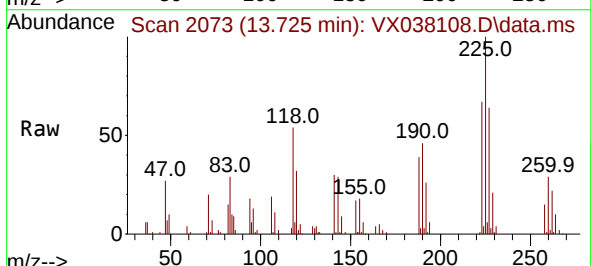
Delta R.T. 0.000 min

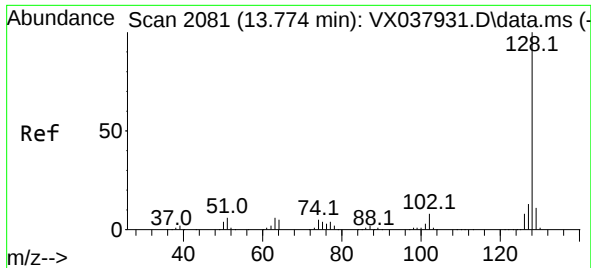
Lab File: VX038108.D

Acq: 05 Oct 2023 18:50

Tgt Ion:225 Resp: 19539

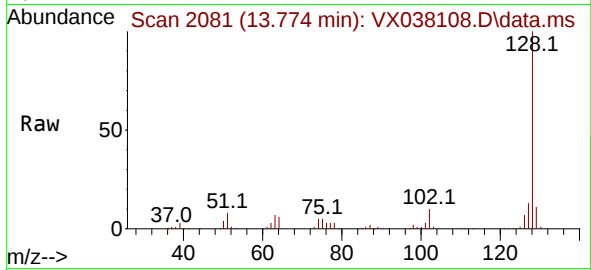
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 65.5  | 0.0   | 124.2 |
| 227 | 63.1  | 0.0   | 120.4 |





#91  
Naphthalene  
Concen: 22.002 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50

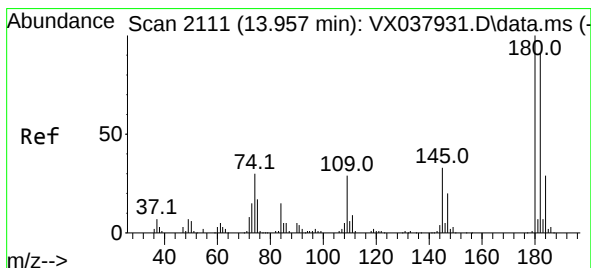
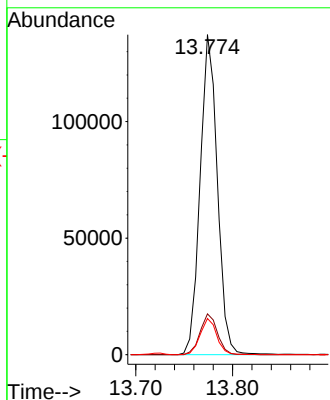
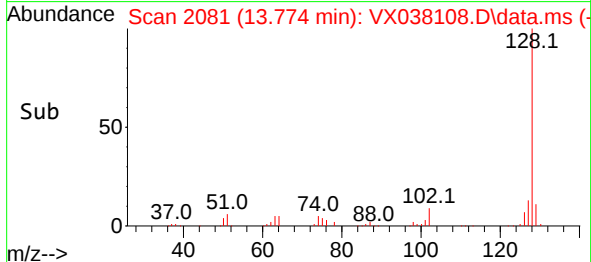
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



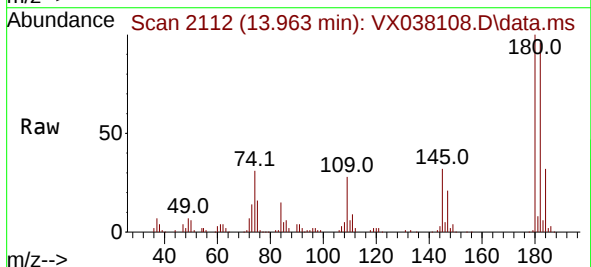
Tgt Ion:128 Resp: 17068  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.3 15.5  
129 10.9 8.7 13.1

Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/06/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#92  
1,2,3-Trichlorobenzene  
Concen: 19.086 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.006 min  
Lab File: VX038108.D  
Acq: 05 Oct 2023 18:50



Tgt Ion:180 Resp: 47530  
Ion Ratio Lower Upper  
180 100  
182 95.8 0.0 190.6  
145 33.6 0.0 66.8

