

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080824\  
 Data File : VX042940.D  
 Acq On : 08 Aug 2024 09:20  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/08/2024  
 Supervised By : Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 14:50:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X080624W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 07 04:53:59 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 4.891          | 128  | 44989      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.757          | 114  | 256695     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055         | 117  | 234386     | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.952          | 65   | 113474     | 27.315   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 91.033%  |        |          |
| 60) 4-Bromofluorobenzene     | 11.079         | 95   | 115604     | 30.232   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 100.767% |        |          |
| 63) Toluene-d8               | 8.647          | 98   | 320752     | 30.296   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 101.000% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 52523      | 19.853   | ug/l   | 98       |
| 3) Chloromethane             | 1.300          | 50   | 44797      | 18.448   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 46473      | 17.927   | ug/l   | 97       |
| 5) Bromomethane              | 1.599          | 94   | 27813      | 17.604   | ug/l   | 98       |
| 6) Chloroethane              | 1.666          | 64   | 25813      | 16.743   | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 1.874          | 101  | 79702      | 19.280   | ug/l   | 97       |
| 8) Diethyl Ether             | 2.136          | 74   | 32054      | 19.729   | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 55387      | 19.651   | ug/l   | 99       |
| 10) 1,1-Dichloroethene       | 2.306          | 96   | 49495      | 18.384   | ug/l   | 94       |
| 11) Methyl Iodide            | 2.447          | 142  | 49695      | 20.059   | ug/l   | 97       |
| 12) Methyl Acetate           | 2.703          | 43   | 122961     | 20.893   | ug/l   | 94       |
| 13) Acrolein                 | 2.239          | 56   | 15003      | 88.164   | ug/l   | 99       |
| 14) Acrylonitrile            | 3.068          | 53   | 162913     | 91.065   | ug/l   | 99       |
| 15) Acetone                  | 2.386          | 58   | 53052      | 91.468   | ug/l   | 95       |
| 16) Carbon Disulfide         | 2.501          | 76   | 83547      | 14.913   | ug/l   | 99       |
| 17) Allyl chloride           | 2.660          | 41   | 85781      | 19.690   | ug/l   | 97       |
| 18) Methylene Chloride       | 2.782          | 84   | 58045      | 18.590   | ug/l   | 96       |
| 19) trans-1,2-Dichloroethene | 3.087          | 96   | 50661      | 18.479   | ug/l   | 98       |
| 20) Diisopropyl ether        | 3.763          | 45   | 182950     | 19.225   | ug/l   | 91       |
| 21) 1,1-Dichloroethane       | 3.605          | 63   | 102637     | 18.967   | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 4.483          | 96   | 63737      | 18.526   | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 2.989          | 59   | 60757      | 73.665   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 3.117          | 73   | 188116     | 19.305   | ug/l   | 100      |
| 25) Chloroform               | 5.086          | 83   | 110907     | 18.941   | ug/l   | 99       |
| 26) Cyclohexane              | 5.458          | 56   | 76600      | 17.943   | ug/l # | 97       |
| 29) 1,1-Dichloropropene      | 5.690          | 75   | 64342      | 19.450   | ug/l   | 99       |
| 30) 2-Butanone               | 4.562          | 43   | 236635     | 97.138   | ug/l   | 98       |
| 31) 2,2-Dichloropropane      | 4.465          | 77   | 87257      | 22.574   | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 95869      | 20.933   | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 5.672          | 117  | 77228      | 19.713   | ug/l   | 98       |
| 34) Benzene                  | 6.031          | 78   | 218995     | 20.678   | ug/l   | 97       |
| 35) Methacrylonitrile        | 4.922          | 41   | 46392      | 20.157   | ug/l   | 94       |
| 36) 1,2-Dichloroethane       | 6.086          | 62   | 81853      | 20.942   | ug/l   | 98       |
| 37) Trichloroethene          | 7.123          | 130  | 54031      | 20.152   | ug/l   | 90       |
| 38) Methylcyclohexane        | 7.379          | 83   | 78598      | 19.172   | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 7.427          | 63   | 55191      | 20.442   | ug/l   | 99       |
| 40) Dibromomethane           | 7.580          | 93   | 41049      | 20.137   | ug/l   | 99       |
| 41) Bromodichloromethane     | 7.818          | 83   | 79491      | 19.665   | ug/l   | 98       |
| 42) Vinyl Acetate            | 3.721          | 43   | 700799     | 98.361   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080824\  
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 Acq On : 08 Aug 2024 09:20  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/08/2024  
 Supervised By : Mahesh Dadoda 08/09/2024

Quant Time: Aug 08 14:50:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X080624W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 07 04:53:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 4.721  | 43   | 77410    | 18.942  | ug/l   | 100      |
| 44) Isopropyl Acetate         | 6.342  | 43   | 128432   | 19.527  | ug/l   | 98       |
| 45) 1,4-Dioxane               | 7.659  | 88   | 20432    | 296.743 | ug/l # | 85       |
| 46) Methyl methacrylate       | 7.696  | 41   | 64247    | 19.657  | ug/l   | 93       |
| 47) n-amyl Acetate            | 10.841 | 43   | 103564   | 18.407  | ug/l   | 98       |
| 48) t-1,3-Dichloropropene     | 8.976  | 75   | 76132    | 19.646  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 84740    | 20.192  | ug/l   | 96       |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 58592    | 21.074  | ug/l   | 98       |
| 51) Ethyl methacrylate        | 9.116  | 69   | 88943    | 19.551  | ug/l   | 98       |
| 52) 1,3-Dichloropropane       | 9.305  | 76   | 92179    | 20.203  | ug/l   | 100      |
| 53) Dibromochloromethane      | 9.518  | 129  | 62538    | 19.328  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 59965    | 20.738  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 8.238  | 63   | 222902   | 106.102 | ug/l   | 99       |
| 56) Bromoform                 | 10.799 | 173  | 43481    | 18.747  | ug/l   | 100      |
| 58) 4-Methyl-2-Pentanone      | 8.574  | 43   | 448757   | 101.670 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 343755   | 98.533  | ug/l   | 100      |
| 61) Tetrachloroethene         | 9.269  | 164  | 50033    | 21.501  | ug/l   | 99       |
| 62) Toluene                   | 8.714  | 91   | 239867   | 20.894  | ug/l   | 99       |
| 64) Chlorobenzene             | 10.079 | 112  | 151054   | 20.559  | ug/l   | 97       |
| 65) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 55270    | 20.722  | ug/l   | 99       |
| 66) Ethyl Benzene             | 10.195 | 91   | 257918   | 20.214  | ug/l   | 96       |
| 67) m/p-Xylenes               | 10.299 | 106  | 196053   | 40.640  | ug/l   | 99       |
| 68) o-Xylene                  | 10.640 | 106  | 97695    | 20.543  | ug/l   | 97       |
| 69) Styrene                   | 10.652 | 104  | 164557   | 20.095  | ug/l   | 99       |
| 70) Isopropylbenzene          | 10.963 | 105  | 258149   | 20.625  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 90786    | 20.112  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 73946m   | 20.054  | ug/l   |          |
| 73) Bromobenzene              | 11.195 | 156  | 63670    | 20.020  | ug/l   | 100      |
| 74) n-propylbenzene           | 11.305 | 91   | 291911   | 19.937  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 11.360 | 91   | 183563   | 20.541  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 217911   | 20.541  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 24986    | 19.058  | ug/l   | 97       |
| 78) 4-Chlorotoluene           | 11.451 | 91   | 206214   | 20.120  | ug/l   | 100      |
| 79) tert-butylbenzene         | 11.713 | 119  | 220265   | 20.235  | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 214937   | 20.537  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 11.890 | 105  | 273524   | 20.502  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 12.006 | 119  | 223229   | 19.980  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 117153   | 20.014  | ug/l   | 100      |
| 84) 1,4-Dichlorobenzene       | 12.042 | 146  | 116054   | 19.720  | ug/l   | 98       |
| 85) n-Butylbenzene            | 12.335 | 91   | 185231   | 18.395  | ug/l   | 99       |
| 86) Hexachloroethane          | 12.536 | 117  | 37578    | 18.636  | ug/l   | 99       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 117506   | 20.151  | ug/l   | 97       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 19460    | 19.082  | ug/l   | 97       |
| 89) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 71743    | 18.911  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 32910    | 20.074  | ug/l   | 95       |
| 91) Naphthalene               | 13.774 | 128  | 248421   | 19.452  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 75268    | 19.647  | ug/l   | 99       |

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

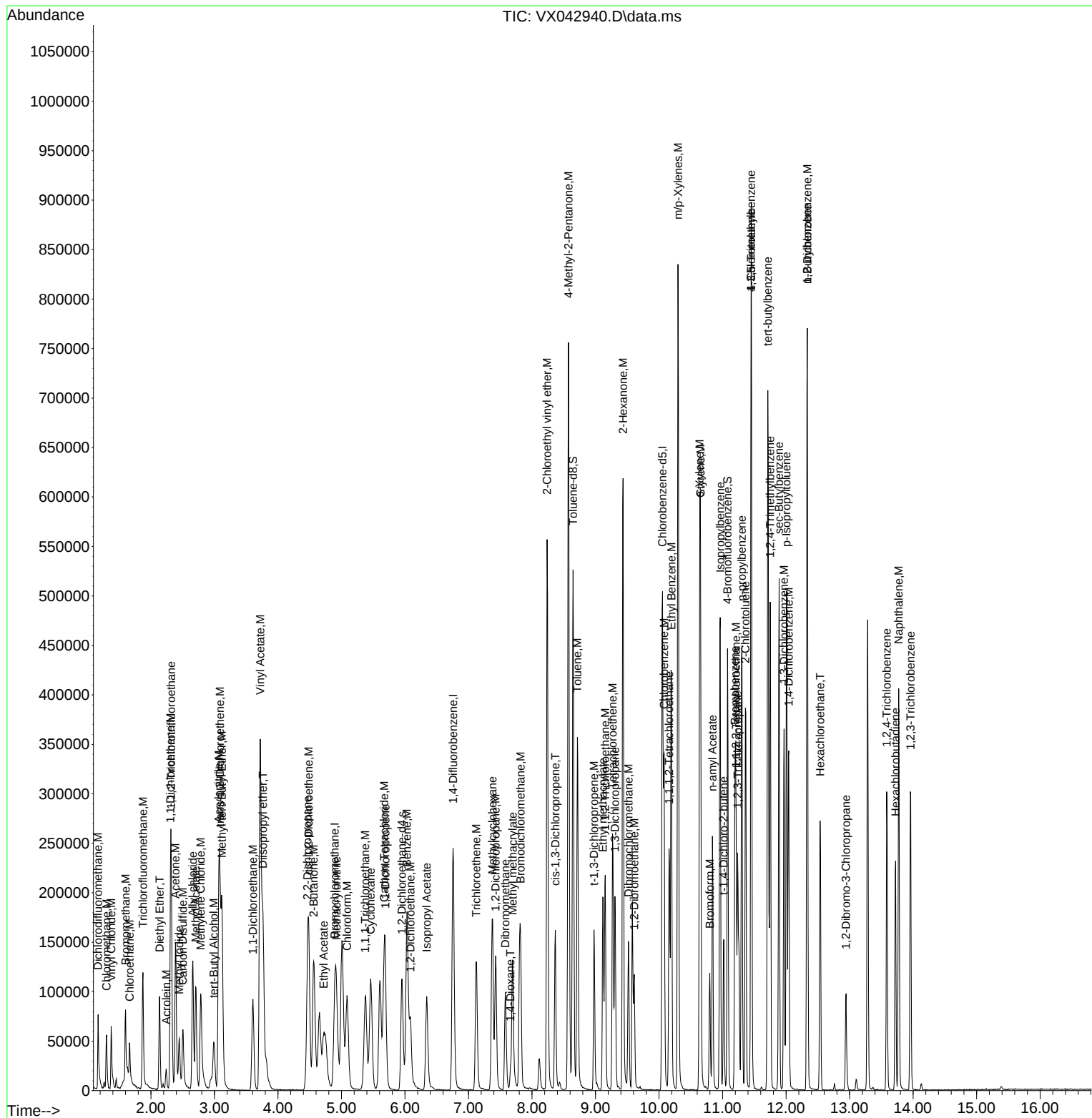
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Data File : VX042940.D  
Acq On : 08 Aug 2024 09:20  
Operator : JC/MD  
Sample : VSTDCCC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

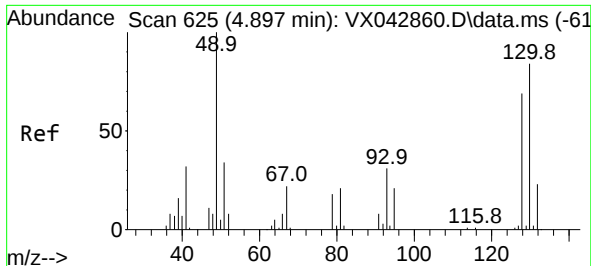
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024

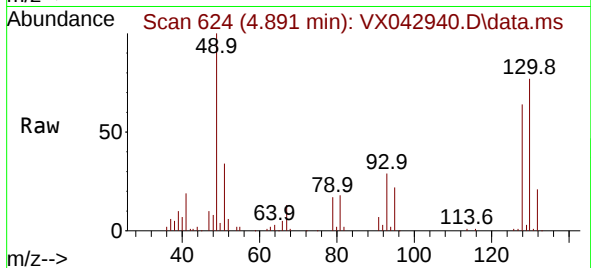
Quant Time: Aug 08 14:50:08 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X080624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Aug 07 04:53:59 2024  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.891 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

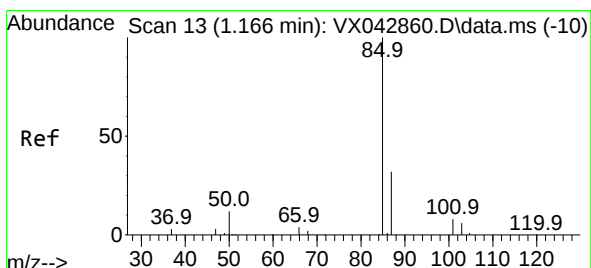
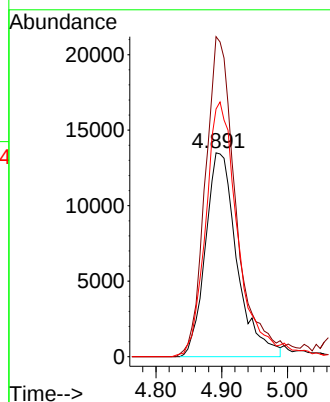
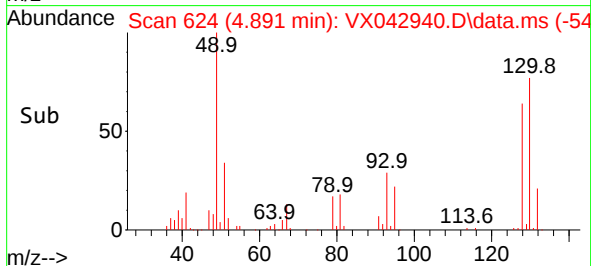
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion:128 Resp: 44989  
Ion Ratio Lower Upper  
128 100  
49 150.5 0.0 400.5  
130 125.4 0.0 333.0

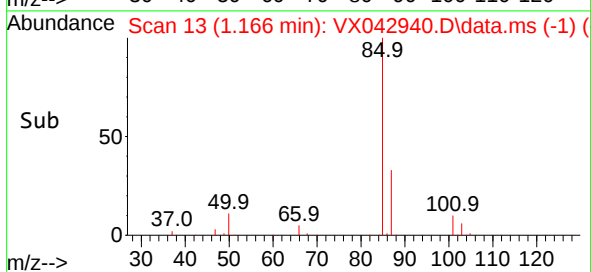
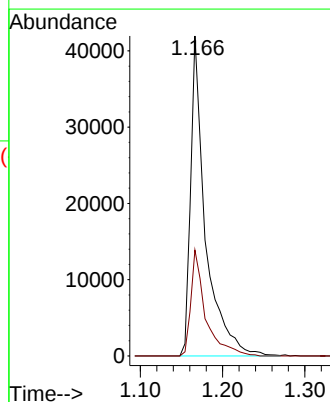
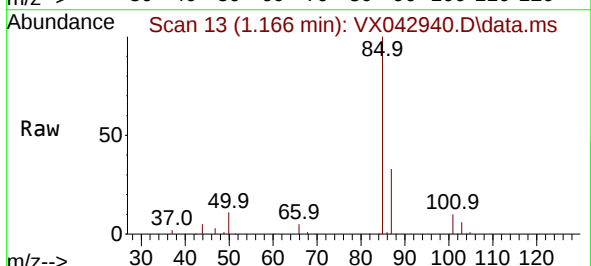
Manual Integrations  
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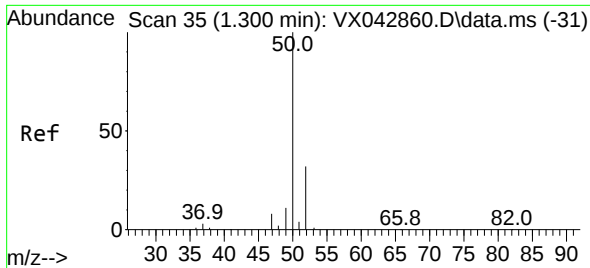
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#2  
Dichlorodifluoromethane  
Concen: 19.853 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion: 85 Resp: 52523  
Ion Ratio Lower Upper  
85 100  
87 33.1 16.0 48.0





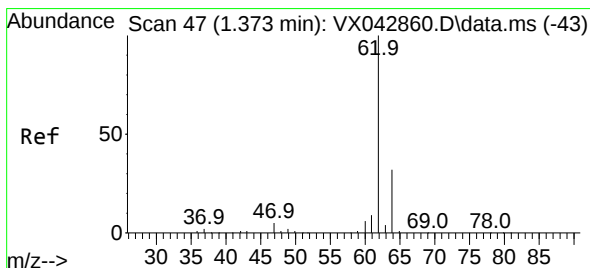
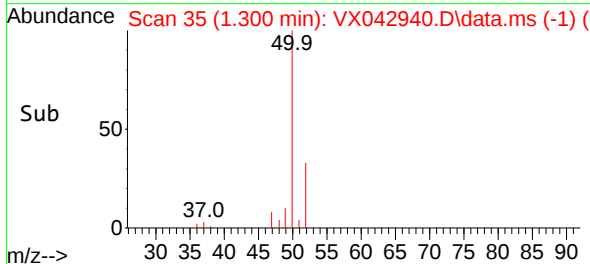
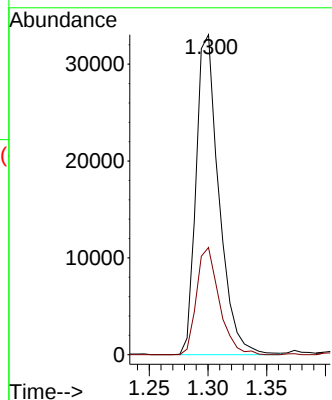
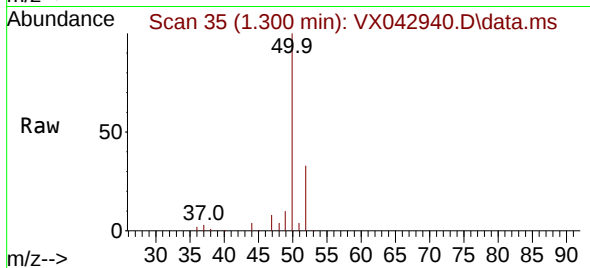
#3  
Chloromethane  
Concen: 18.448 ug/l  
RT: 1.300 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 50 Resp: 4479  
Ion Ratio Lower Upper  
50 100  
52 33.5 26.0 39.0

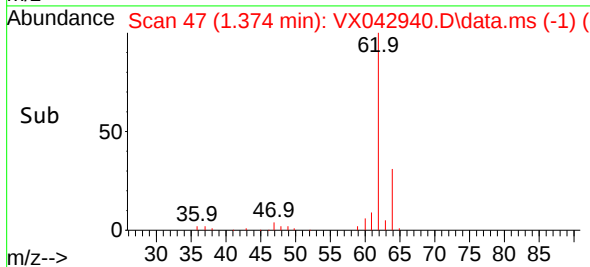
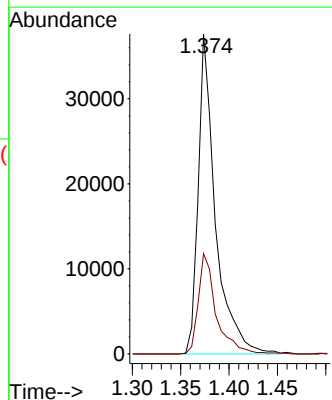
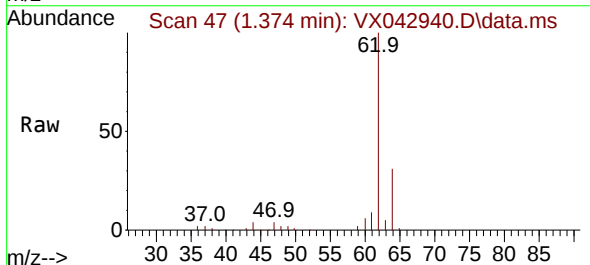
Manual Integrations  
APPROVED

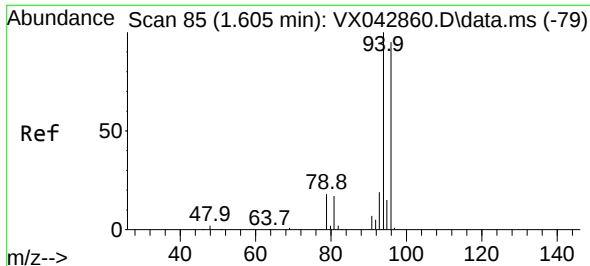
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#4  
Vinyl Chloride  
Concen: 17.927 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

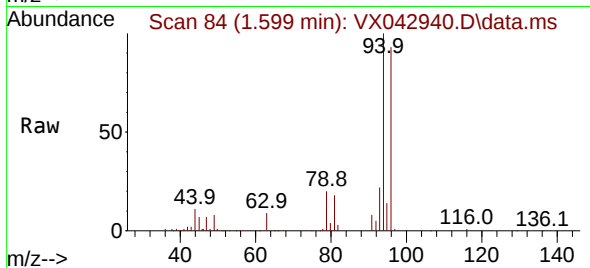
Tgt Ion: 62 Resp: 46473  
Ion Ratio Lower Upper  
62 100  
64 31.4 26.3 39.5





#5  
Bromomethane  
Concen: 17.604 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

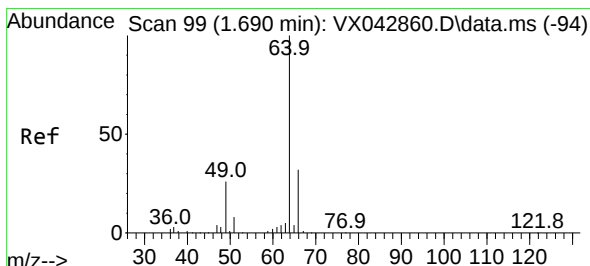
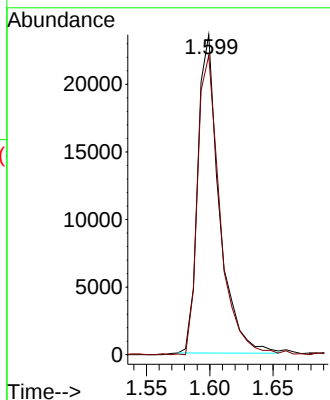
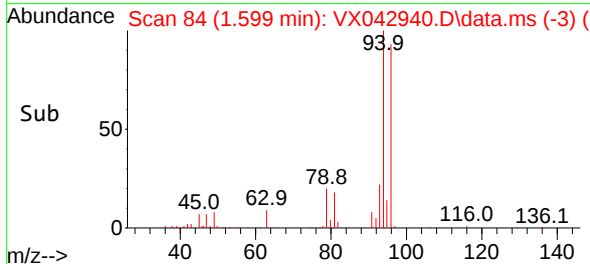
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 94 Resp: 2781  
Ion Ratio Lower Upper  
94 100  
96 93.8 76.2 114.4

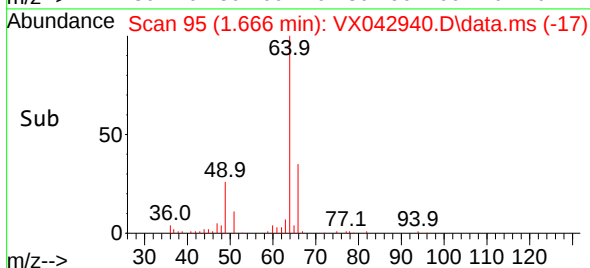
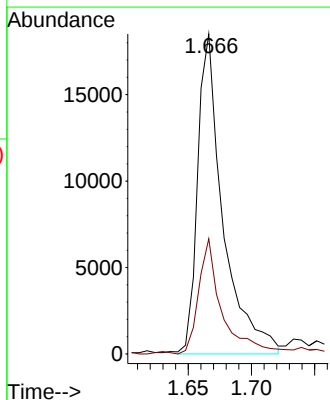
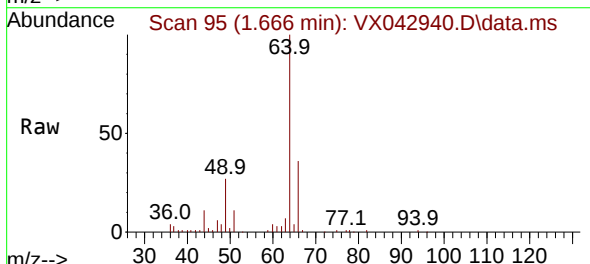
Manual Integrations  
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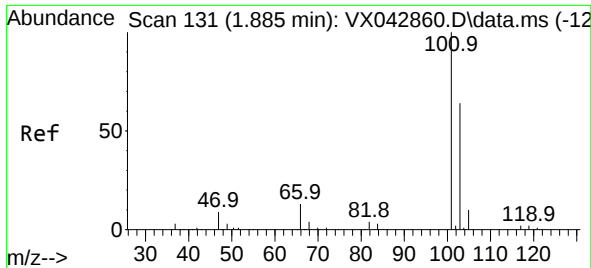
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#6  
Chloroethane  
Concen: 16.743 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. -0.024 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

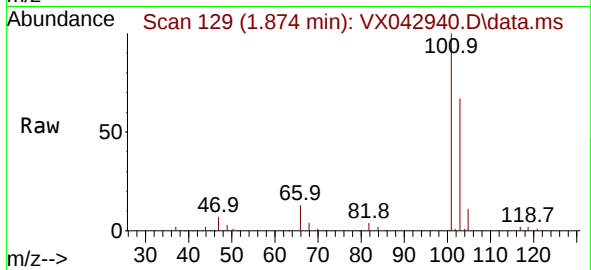
Tgt Ion: 64 Resp: 25813  
Ion Ratio Lower Upper  
64 100  
66 36.2 25.9 38.9





#7  
 Trichlorofluoromethane  
 Concen: 19.280 ug/l  
 RT: 1.874 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: VX042940.D  
 Acq: 08 Aug 2024 09:20

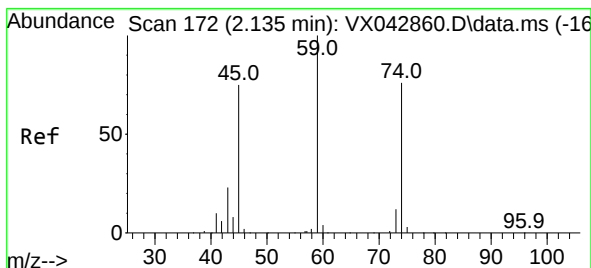
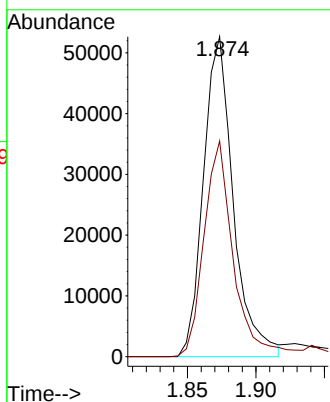
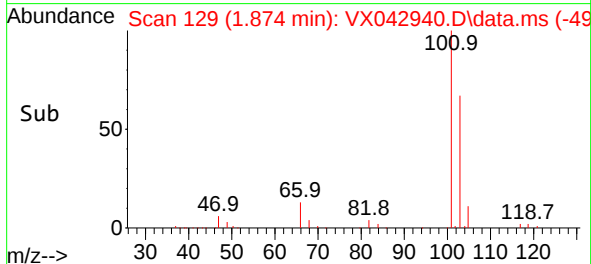
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020



Tgt Ion:101 Resp: 7970  
 Ion Ratio Lower Upper  
 101 100  
 103 67.1 51.5 77.3

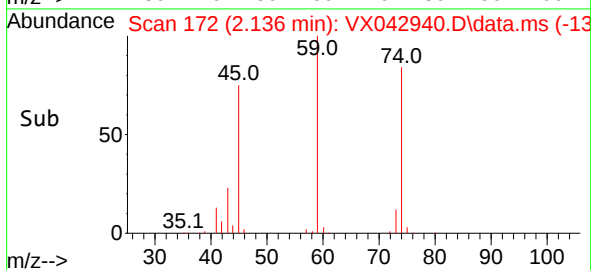
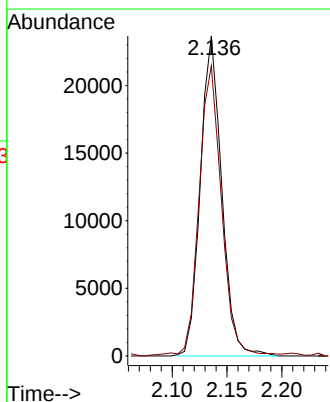
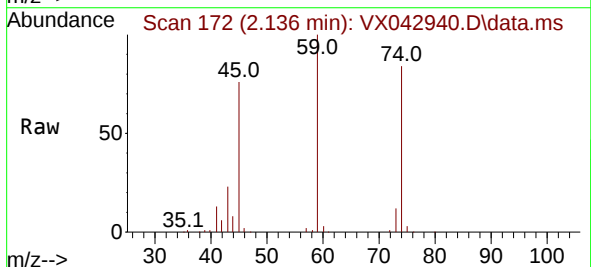
Manual Integrations  
 APPROVED

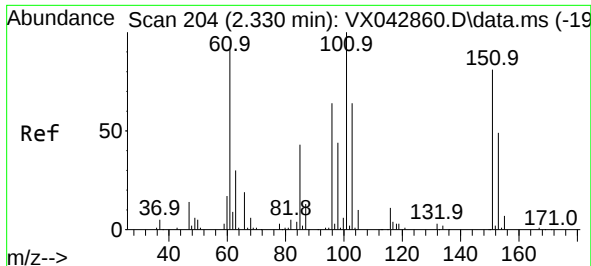
Reviewed By :John Carlone 08/08/2024  
 Supervised By :Mahesh Dadoda 08/09/2024



#8  
 Diethyl Ether  
 Concen: 19.729 ug/l  
 RT: 2.136 min Scan# 172  
 Delta R.T. 0.000 min  
 Lab File: VX042940.D  
 Acq: 08 Aug 2024 09:20

Tgt Ion: 74 Resp: 32054  
 Ion Ratio Lower Upper  
 74 100  
 45 94.1 20.3 182.3





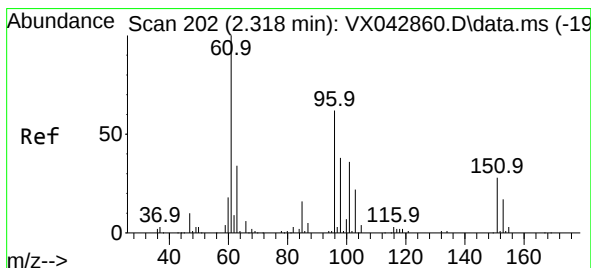
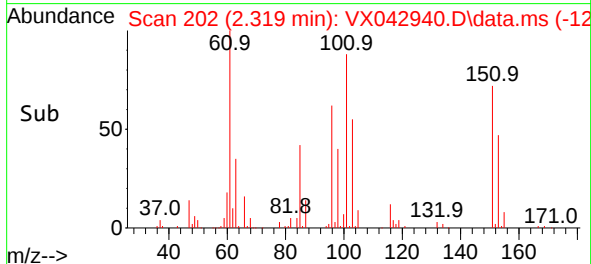
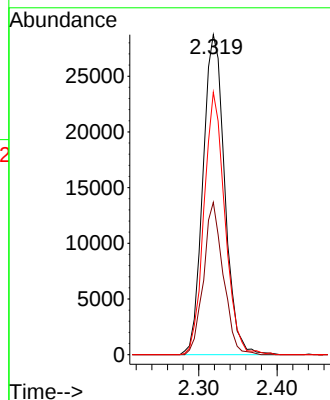
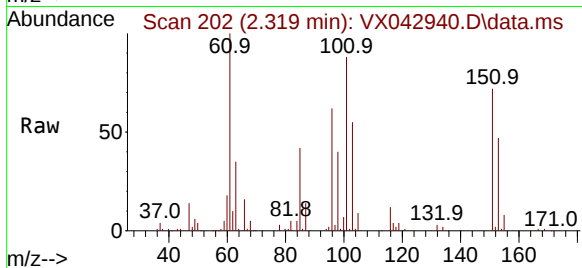
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.651 ug/l  
RT: 2.319 min Scan# 200  
Delta R.T. -0.012 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion:101 Resp: 5538  
Ion Ratio Lower Upper  
101 100  
85 43.0 0.0 88.6  
151 78.4 0.0 157.6

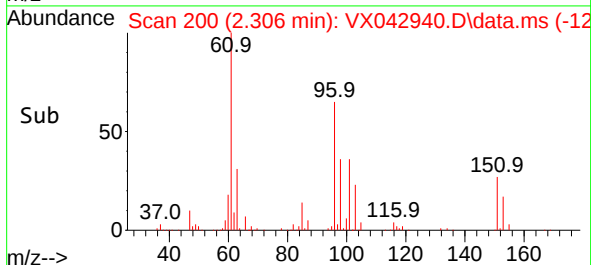
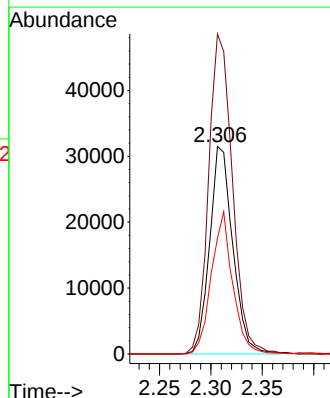
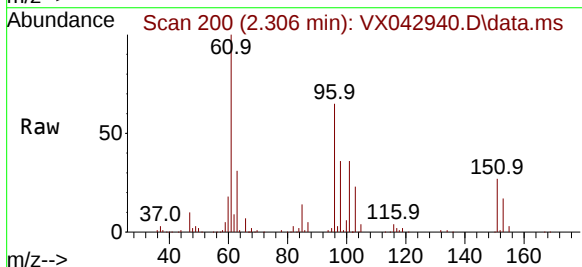
Manual Integrations  
APPROVED

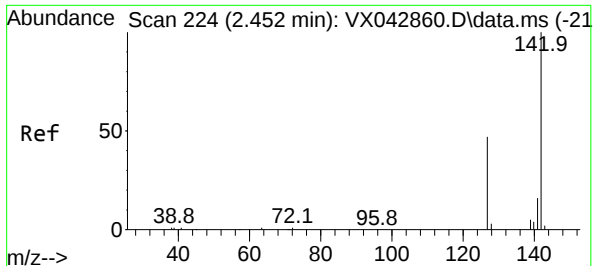
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#10  
1,1-Dichloroethene  
Concen: 18.384 ug/l  
RT: 2.306 min Scan# 200  
Delta R.T. -0.012 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

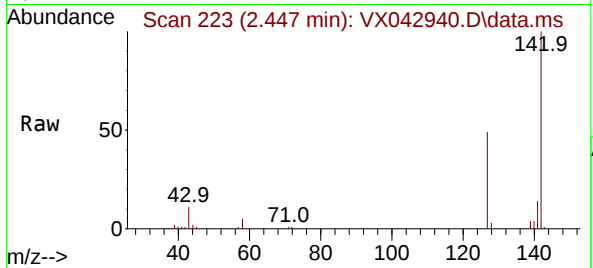
Tgt Ion: 96 Resp: 49495  
Ion Ratio Lower Upper  
96 100  
61 154.2 129.2 193.8  
98 55.7 48.6 72.8





#11  
Methyl Iodide  
Concen: 20.059 ug/l  
RT: 2.447 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

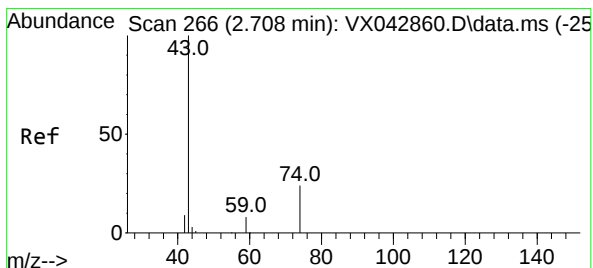
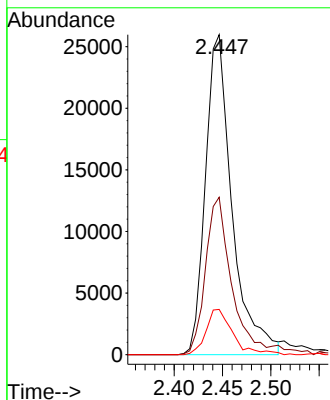
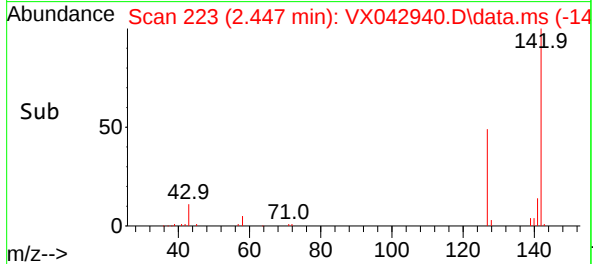
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion:142 Resp: 4969  
Ion Ratio Lower Upper  
142 100  
127 48.7 23.6 71.0  
141 14.1 8.0 23.8

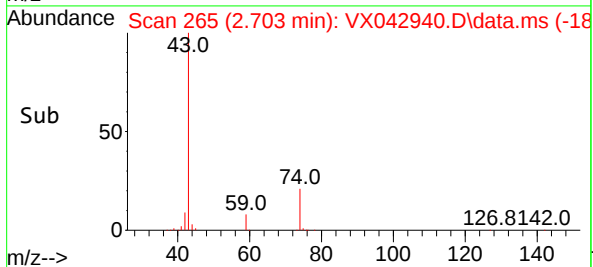
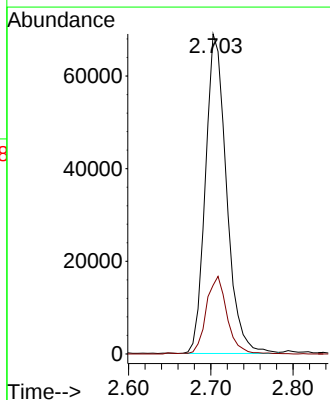
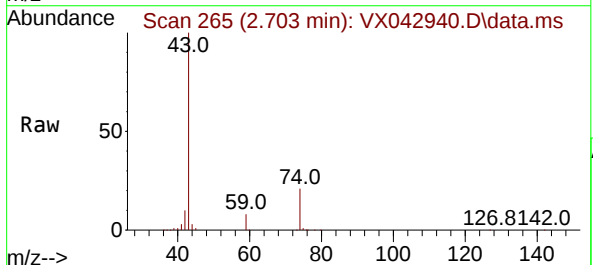
Manual Integrations  
APPROVED

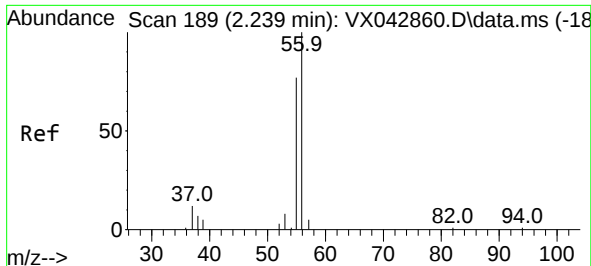
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#12  
Methyl Acetate  
Concen: 20.893 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

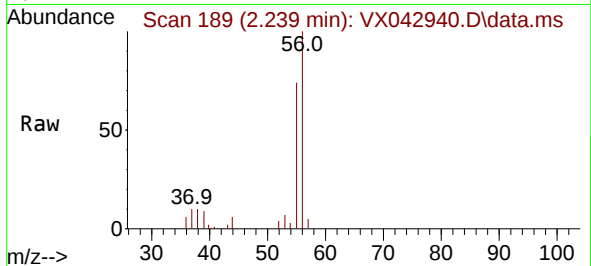
Tgt Ion: 43 Resp: 122961  
Ion Ratio Lower Upper  
43 100  
74 21.4 19.4 29.2





#13  
Acrolein  
Concen: 88.164 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

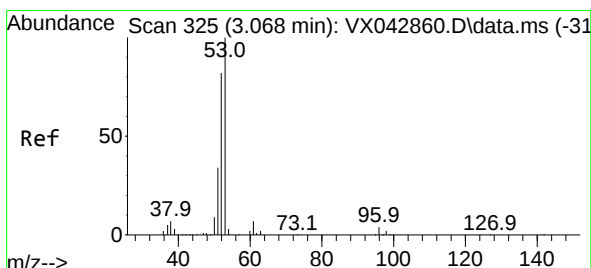
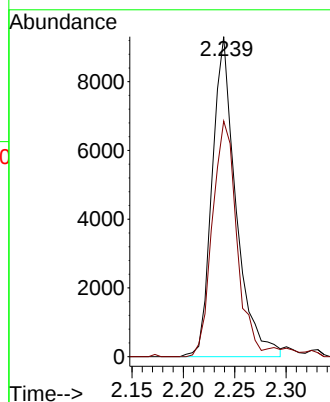
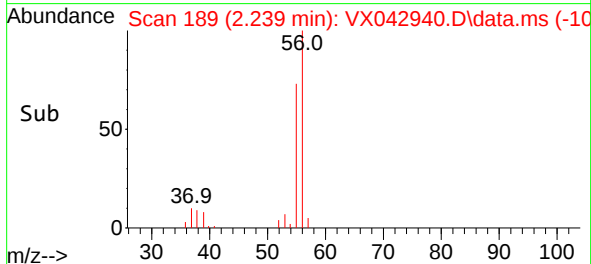
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



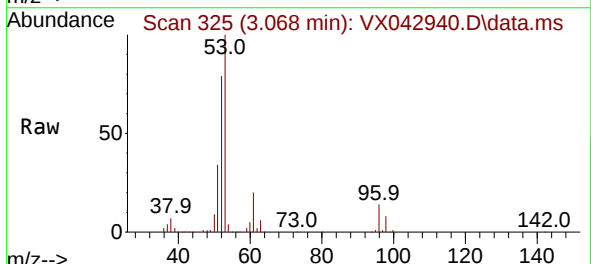
Tgt Ion: 56 Resp: 1500  
Ion Ratio Lower Upper  
56 100  
55 75.1 60.6 90.8

Manual Integrations  
APPROVED

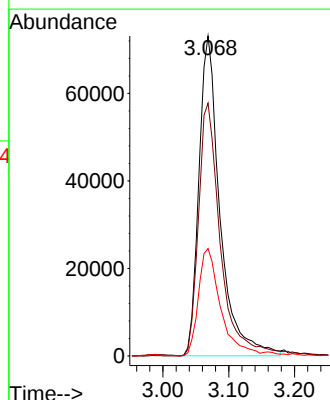
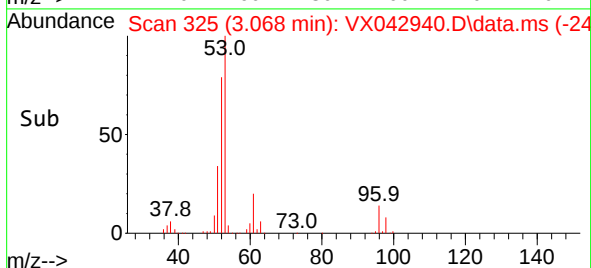
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024

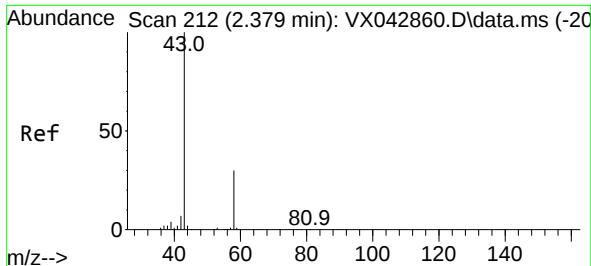


#14  
Acrylonitrile  
Concen: 91.065 ug/l  
RT: 3.068 min Scan# 325  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20



Tgt Ion: 53 Resp: 162913  
Ion Ratio Lower Upper  
53 100  
52 81.8 41.2 123.6  
51 35.3 17.9 53.8





#15

Acetone

Concen: 91.468 ug/l

RT: 2.386 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX042940.D

Acq: 08 Aug 2024 09:20

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 53052

Ion Ratio Lower Upper

58 100

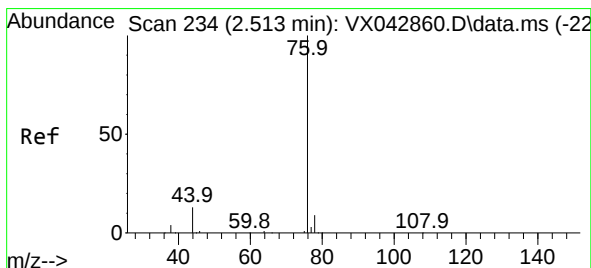
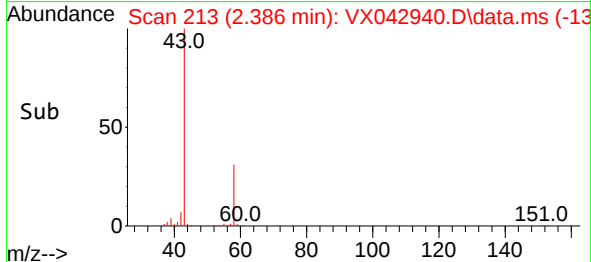
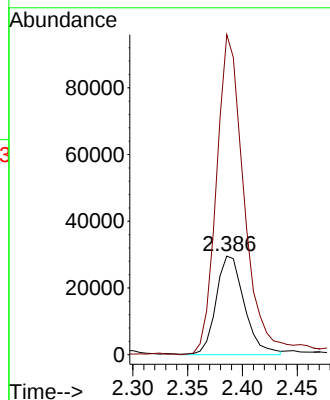
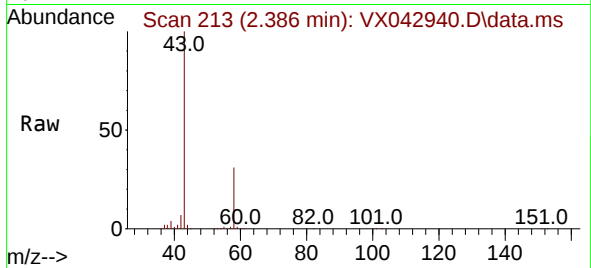
43 326.4 269.9 404.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#16

Carbon Disulfide

Concen: 14.913 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.012 min

Lab File: VX042940.D

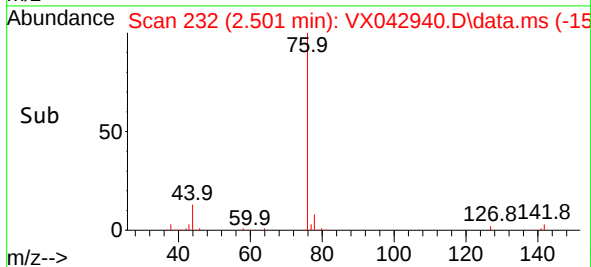
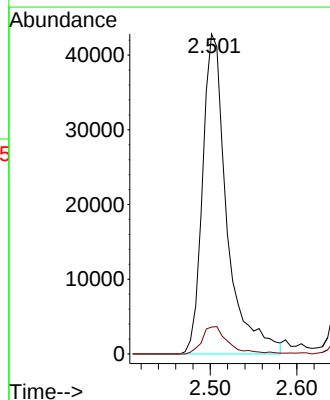
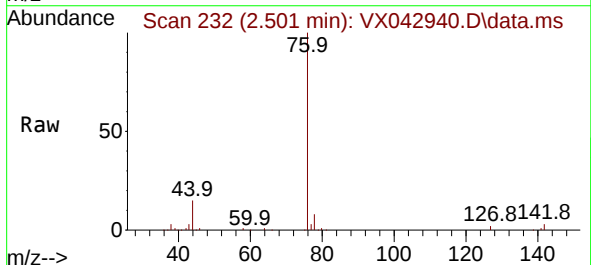
Acq: 08 Aug 2024 09:20

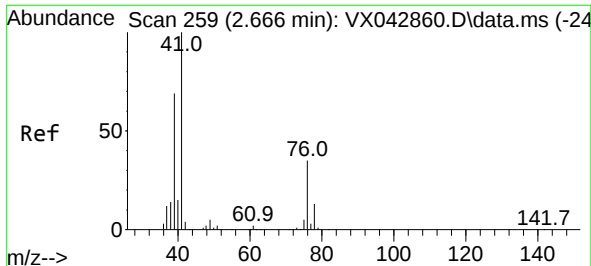
Tgt Ion: 76 Resp: 83547

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7





#17

Allyl chloride

Concen: 19.690 ug/l

RT: 2.660 min Scan# 259

Delta R.T. -0.006 min

Lab File: VX042940.D

Acq: 08 Aug 2024 09:20

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 41 Resp: 8578

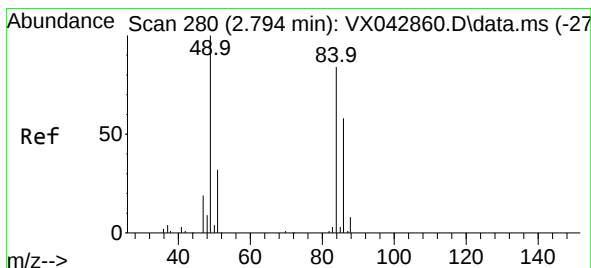
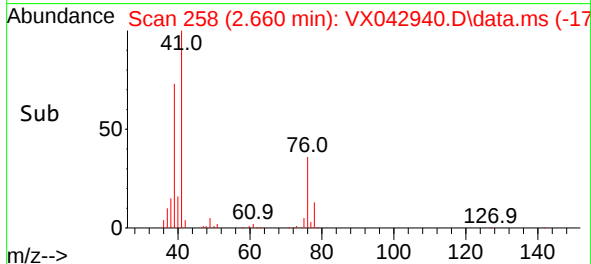
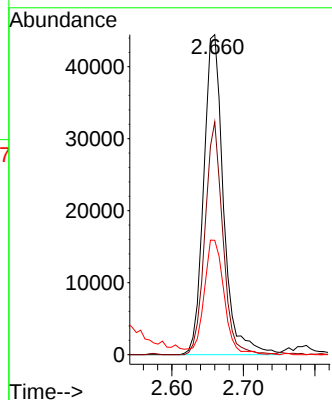
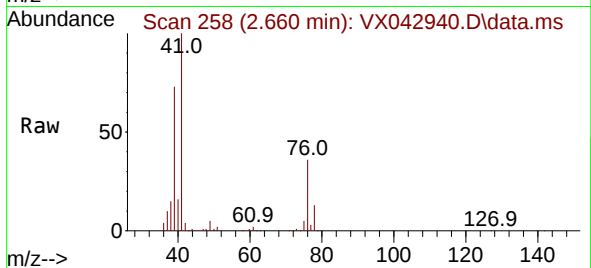
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 72.8  | 34.6  | 103.9 |
| 76  | 35.7  | 18.4  | 55.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#18

Methylene Chloride

Concen: 18.590 ug/l

RT: 2.782 min Scan# 278

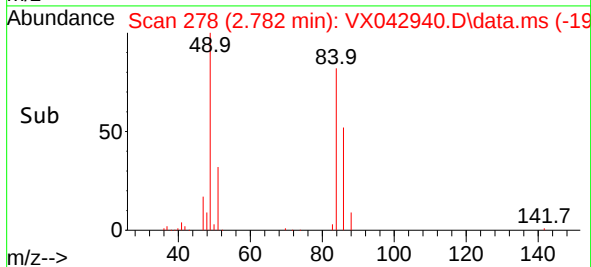
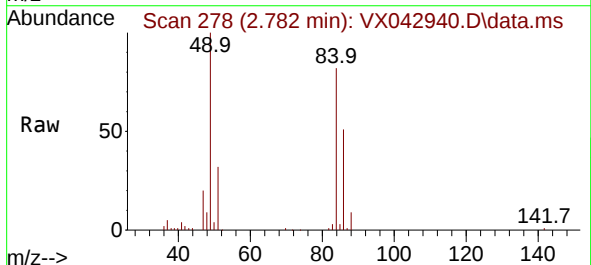
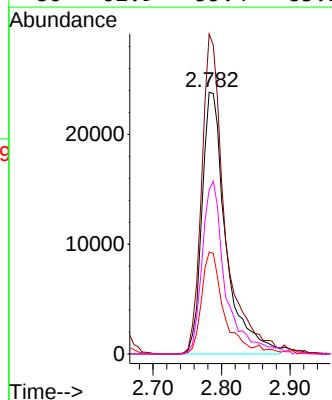
Delta R.T. -0.012 min

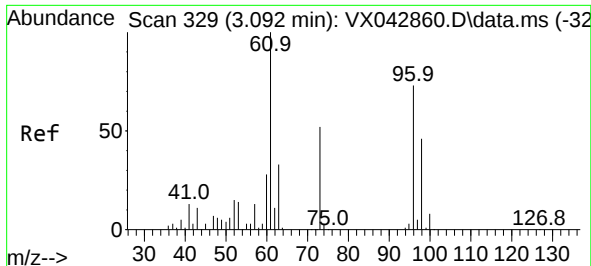
Lab File: VX042940.D

Acq: 08 Aug 2024 09:20

Tgt Ion: 84 Resp: 58045

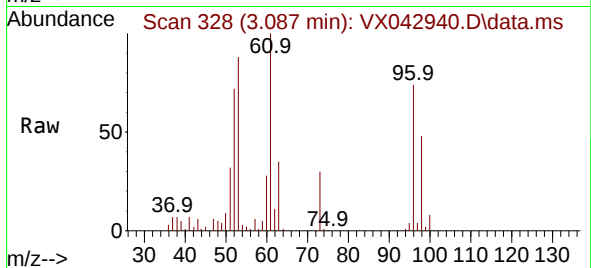
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 122.3 | 95.0  | 142.6 |
| 51  | 38.9  | 30.1  | 45.1  |
| 86  | 62.9  | 55.4  | 83.2  |





#19  
trans-1,2-Dichloroethene  
Concen: 18.479 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

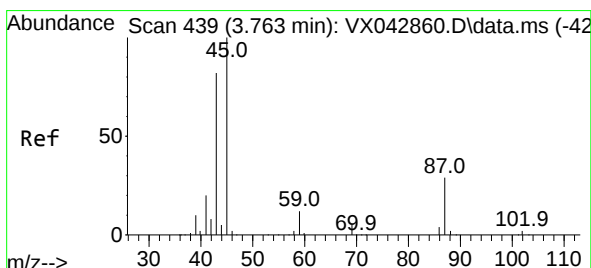
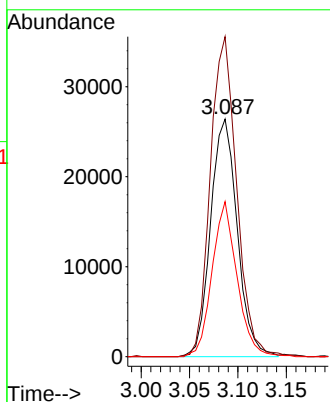
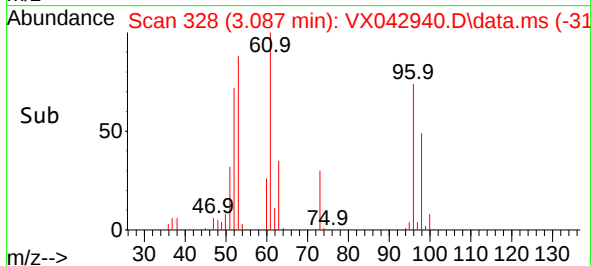
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 96 Resp: 5066  
Ion Ratio Lower Upper  
96 100  
61 134.7 109.6 164.4  
98 65.3 50.4 75.6

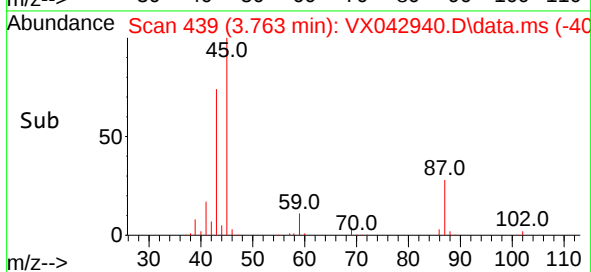
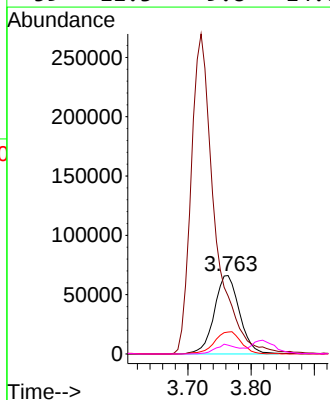
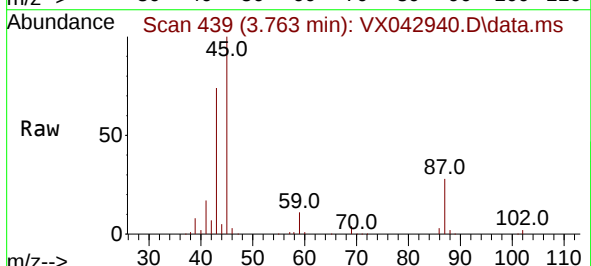
Manual Integrations  
APPROVED

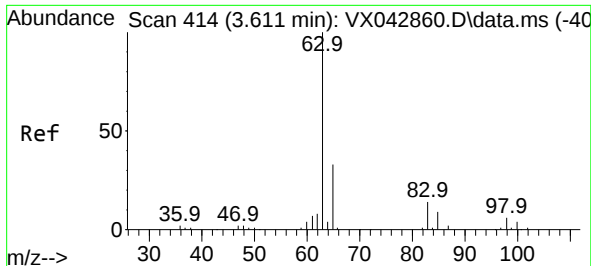
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#20  
Diisopropyl ether  
Concen: 19.225 ug/l  
RT: 3.763 min Scan# 439  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion: 45 Resp: 182950  
Ion Ratio Lower Upper  
45 100  
43 70.6 65.4 98.2  
87 27.9 23.0 34.6  
59 11.3 9.8 14.6





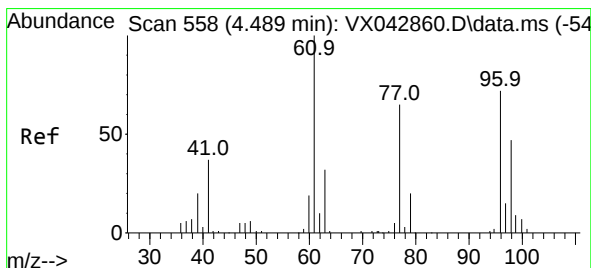
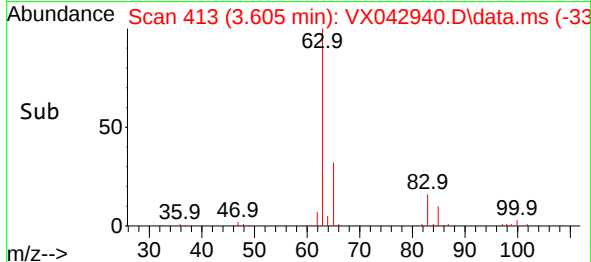
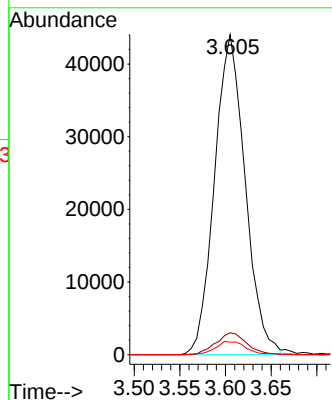
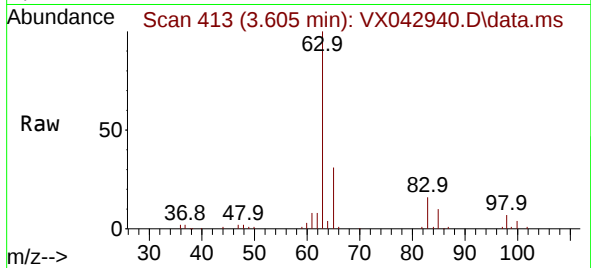
#21  
1,1-Dichloroethane  
Concen: 18.967 ug/l  
RT: 3.605 min Scan# 414  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 63 Resp: 10263  
Ion Ratio Lower Upper  
63 100  
98 6.9 2.9 8.8  
100 3.9 2.1 6.3

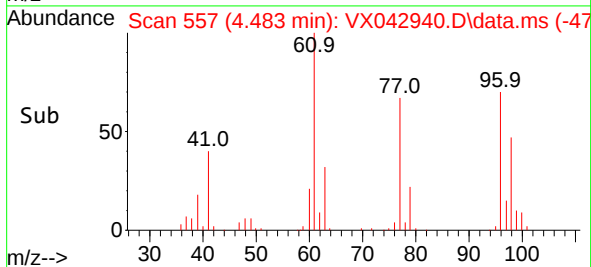
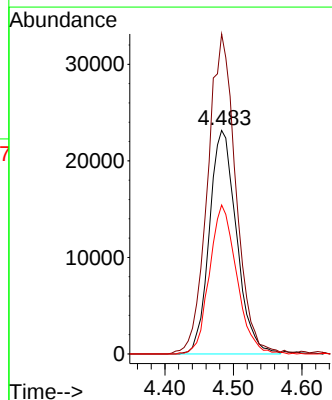
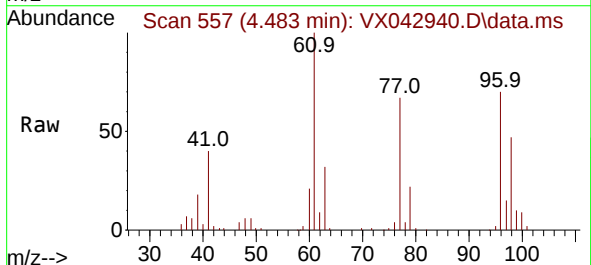
Manual Integrations  
APPROVED

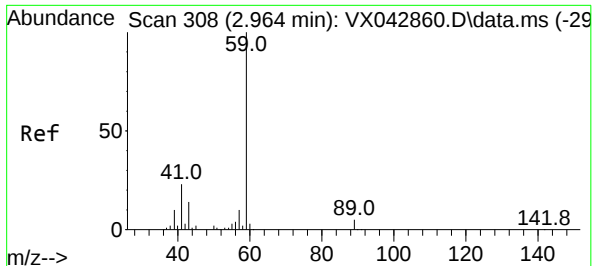
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#22  
cis-1,2-Dichloroethene  
Concen: 18.526 ug/l  
RT: 4.483 min Scan# 557  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion: 96 Resp: 63737  
Ion Ratio Lower Upper  
96 100  
61 148.7 117.7 176.5  
98 66.4 53.4 80.0





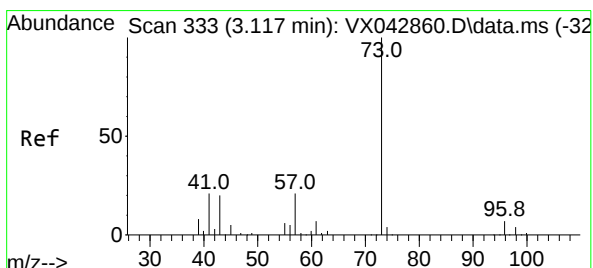
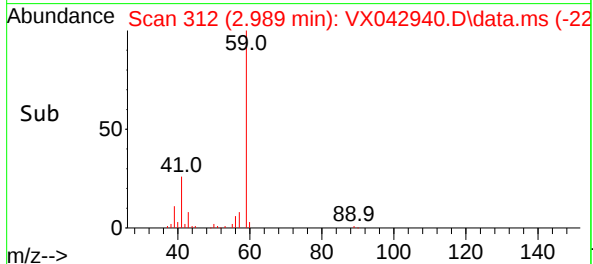
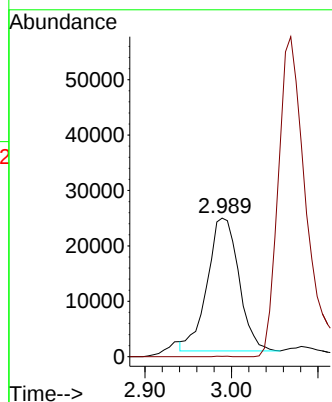
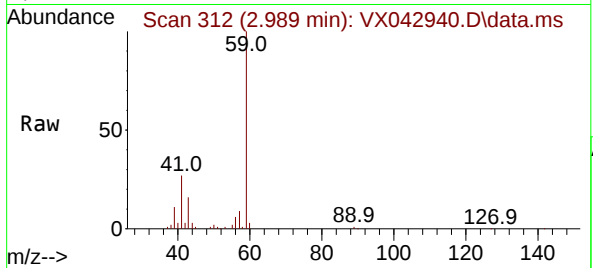
#23  
tert-Butyl Alcohol  
Concen: 73.665 ug/l  
RT: 2.989 min Scan# 312  
Delta R.T. 0.025 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 59 Resp: 6075  
Ion Ratio Lower Upper  
59 100  
52 0.1 0.1 0.1

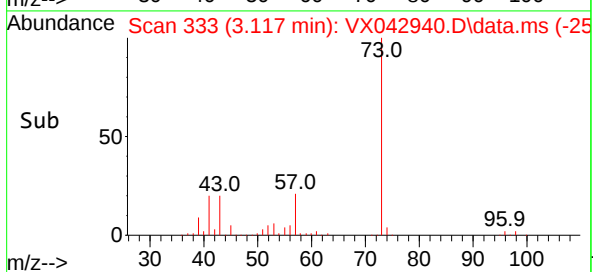
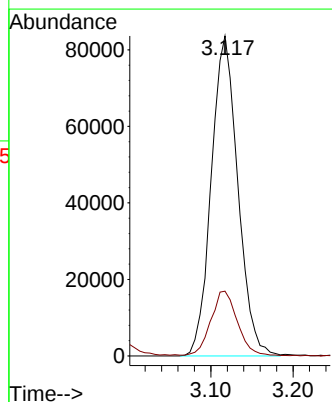
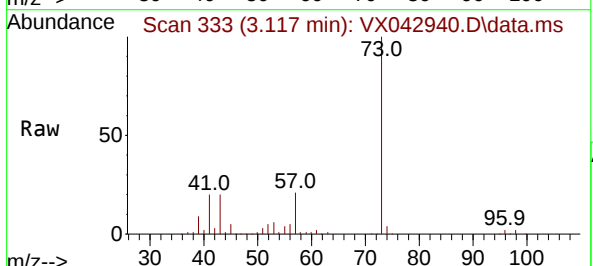
Manual Integrations  
APPROVED

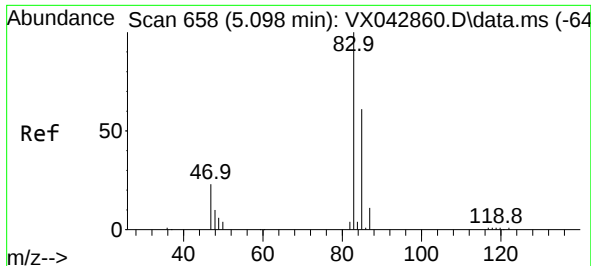
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#24  
Methyl tert-Butyl Ether  
Concen: 19.305 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion: 73 Resp: 188116  
Ion Ratio Lower Upper  
73 100  
43 20.3 16.2 24.2





#25

Chloroform

Concen: 18.941 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.012 min

Lab File: VX042940.D

Acq: 08 Aug 2024 09:20

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 11090

Ion Ratio Lower Upper

83 100

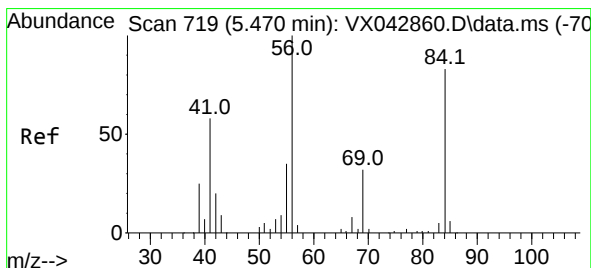
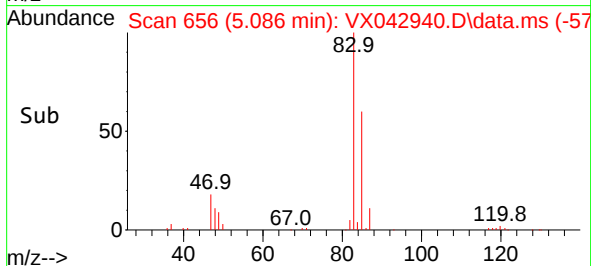
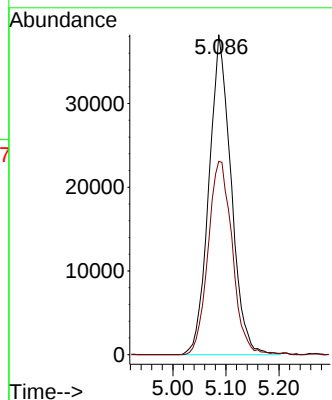
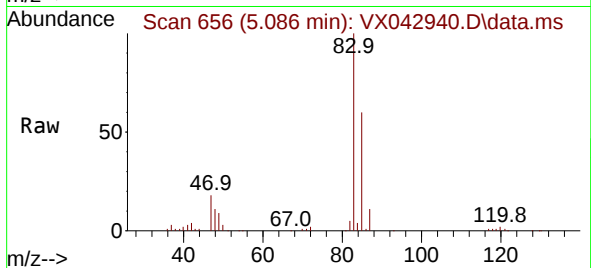
85 60.4 49.2 73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#26

Cyclohexane

Concen: 17.943 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.012 min

Lab File: VX042940.D

Acq: 08 Aug 2024 09:20

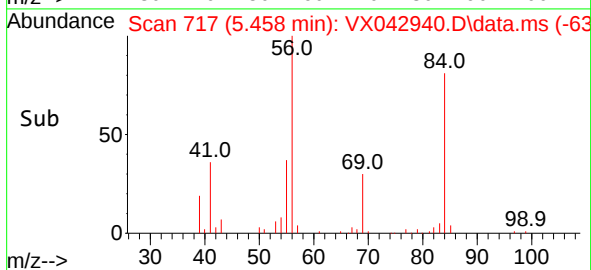
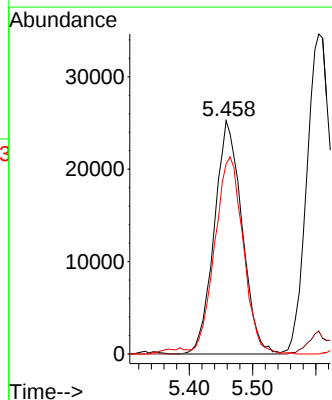
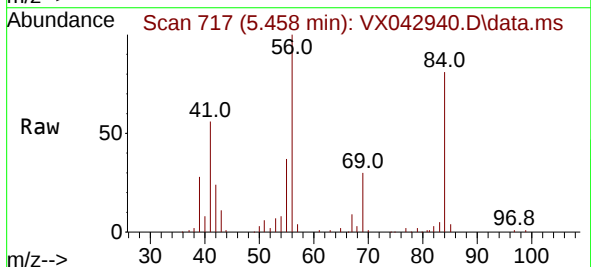
Tgt Ion: 56 Resp: 76600

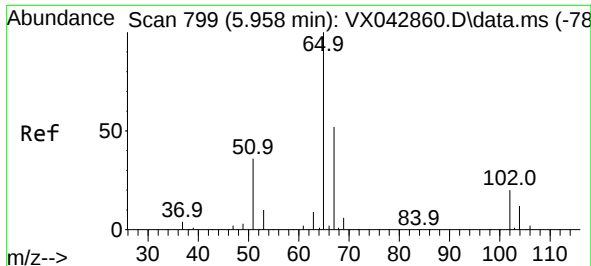
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 87.0 71.8 107.8





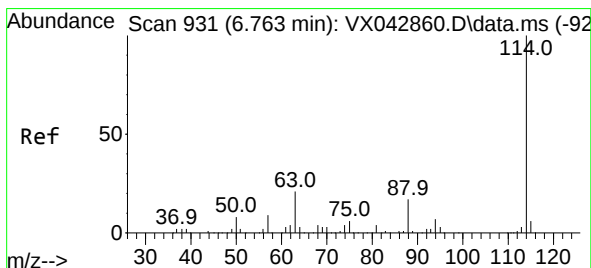
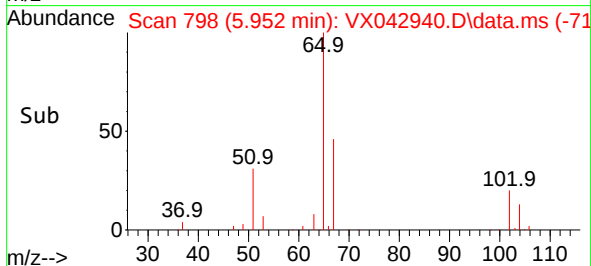
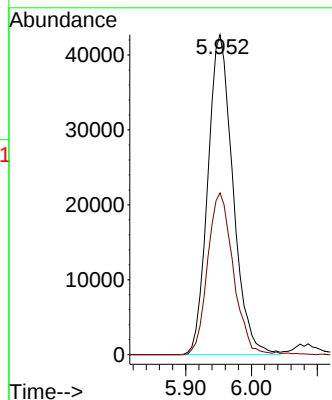
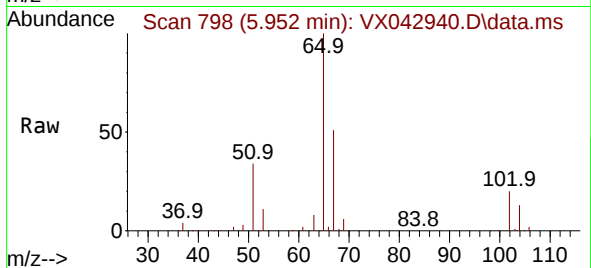
#27  
1,2-Dichloroethane-d4  
Concen: 27.315 ug/l  
RT: 5.952 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 65 Resp: 113474  
Ion Ratio Lower Upper  
65 100  
67 51.5 40.6 60.8

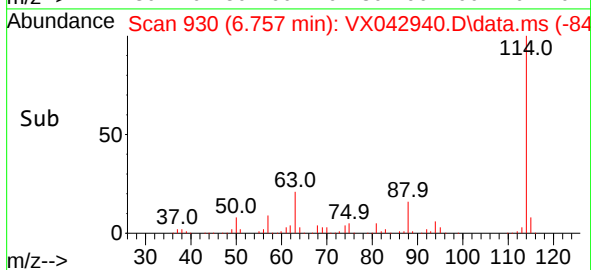
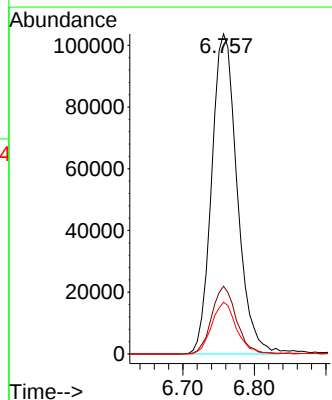
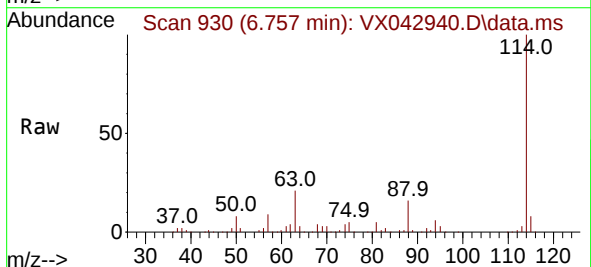
Manual Integrations  
APPROVED

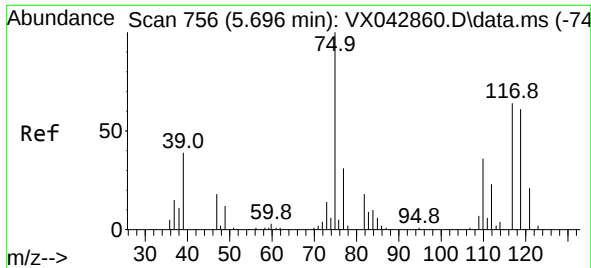
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion:114 Resp: 256695  
Ion Ratio Lower Upper  
114 100  
63 20.4 16.0 24.0  
88 15.6 12.5 18.7





#29  
1,1-Dichloropropene  
Concen: 19.450 ug/l  
RT: 5.690 min Scan# 756  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

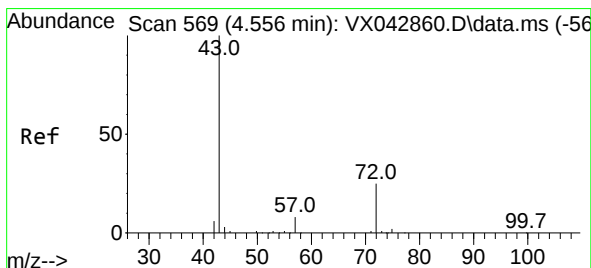
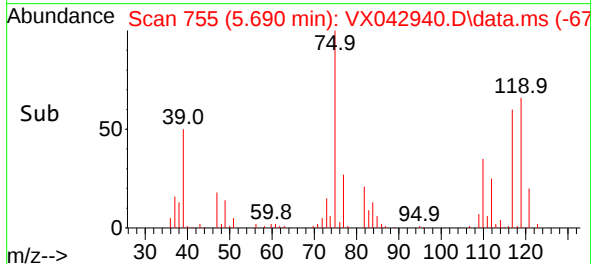
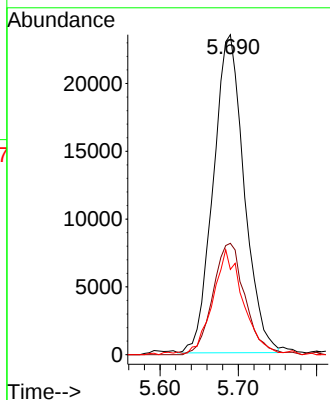
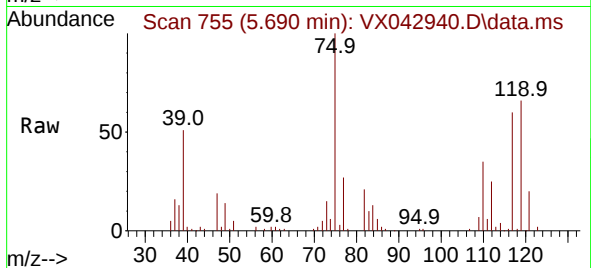
Tgt Ion: 75 Resp: 6434  
Ion Ratio Lower Upper  
75 100  
110 36.3 0.0 72.4  
77 32.4 0.0 63.4

Manual Integrations

APPROVED

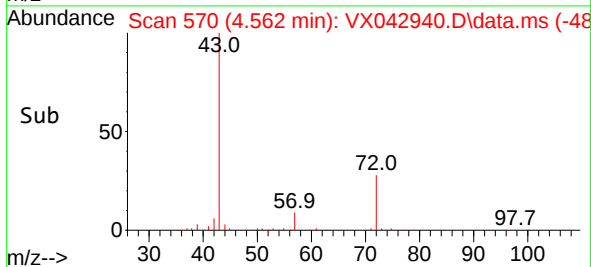
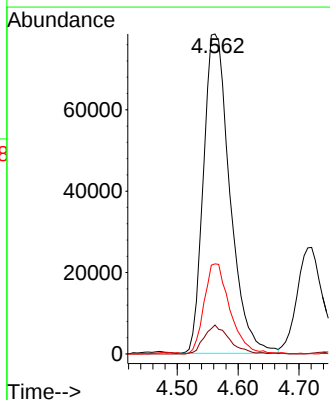
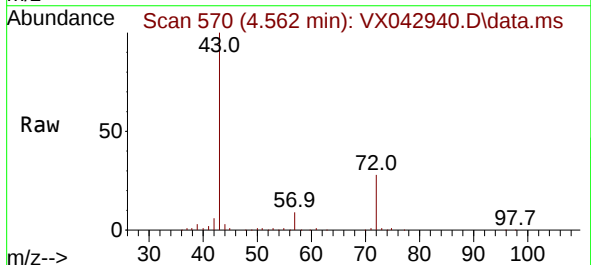
Reviewed By :John Carlone 08/08/2024

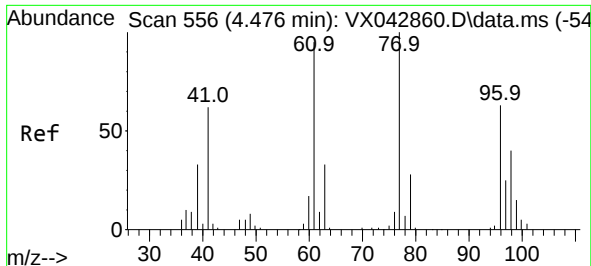
Supervised By :Mahesh Dadoda 08/09/2024



#30  
2-Butanone  
Concen: 97.138 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. 0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion: 43 Resp: 236635  
Ion Ratio Lower Upper  
43 100  
57 8.5 6.6 10.0  
72 27.2 21.0 31.4





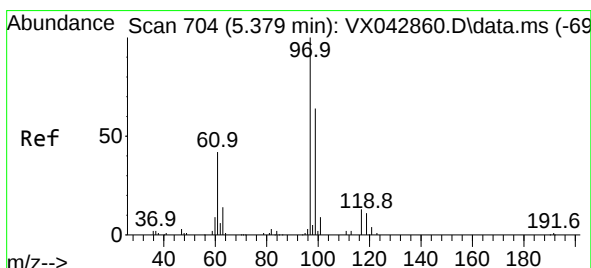
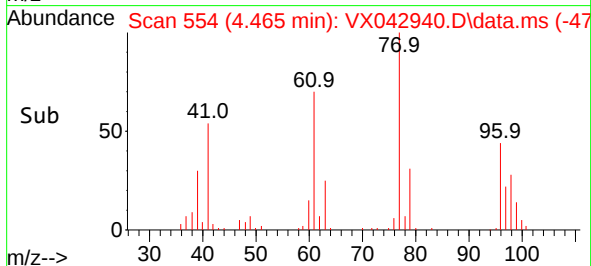
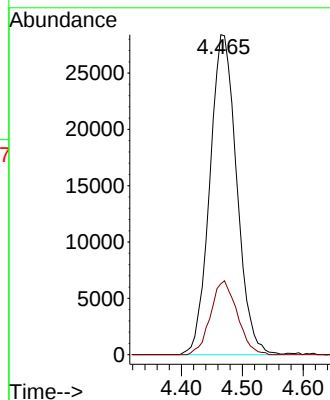
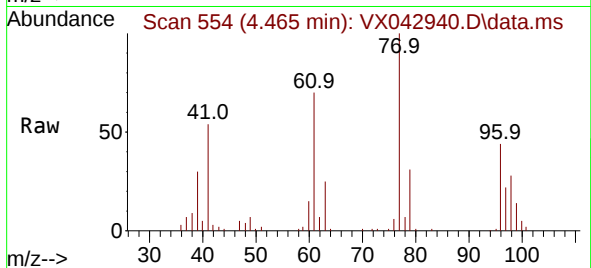
#31  
2,2-Dichloropropane  
Concen: 22.574 ug/l  
RT: 4.465 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 77 Resp: 8725  
Ion Ratio Lower Upper  
77 100  
97 22.9 18.5 27.7

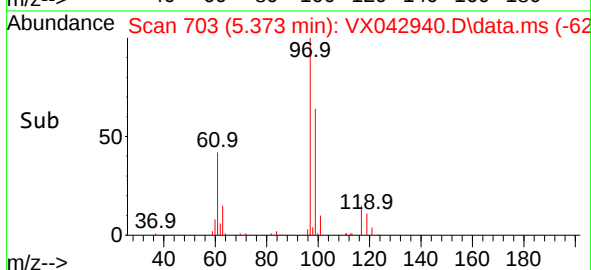
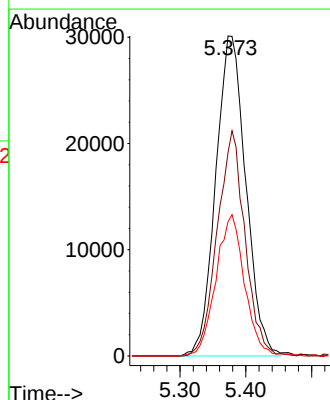
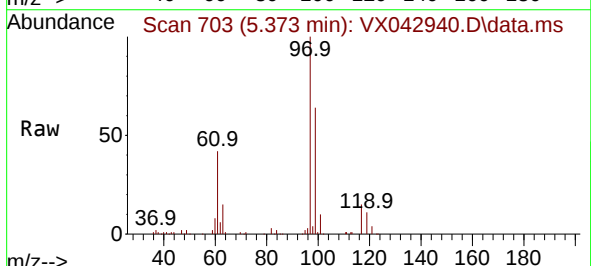
Manual Integrations  
APPROVED

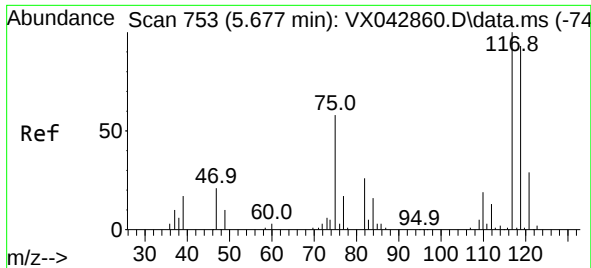
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#32  
1,1,1-Trichloroethane  
Concen: 20.933 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

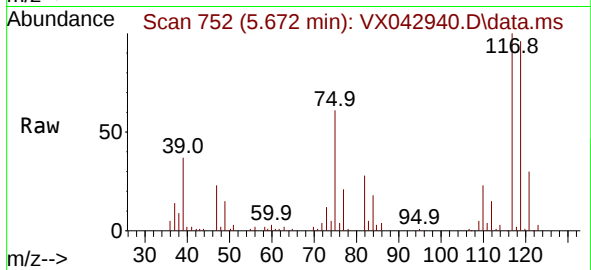
Tgt Ion: 97 Resp: 95869  
Ion Ratio Lower Upper  
97 100  
99 64.5 52.2 78.2  
61 41.7 34.3 51.5





#33  
Carbon Tetrachloride  
Concen: 19.713 ug/l  
RT: 5.672 min Scan# 752  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

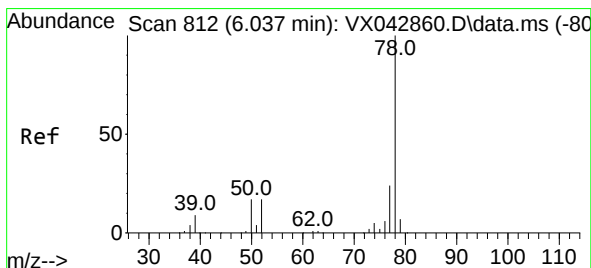
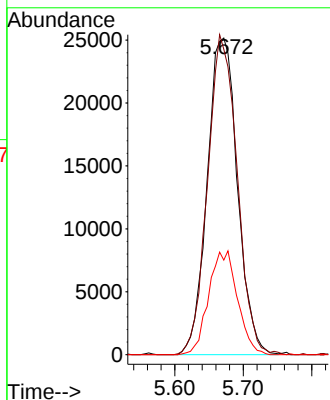
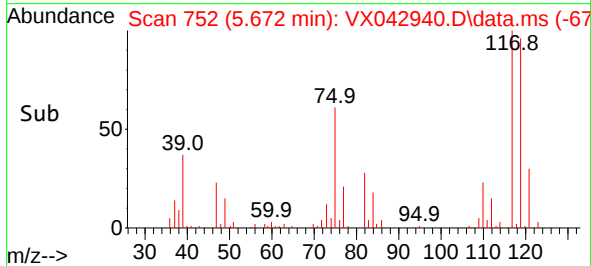
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion:117 Resp: 77228  
Ion Ratio Lower Upper  
117 100  
119 96.2 75.7 113.5  
121 29.9 23.3 34.9

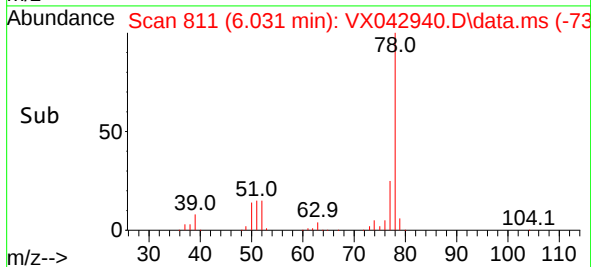
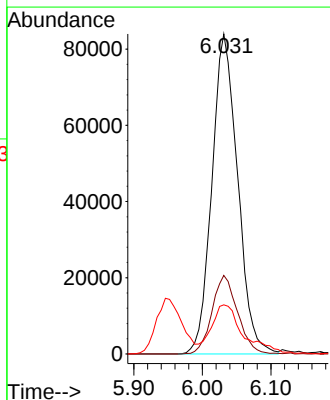
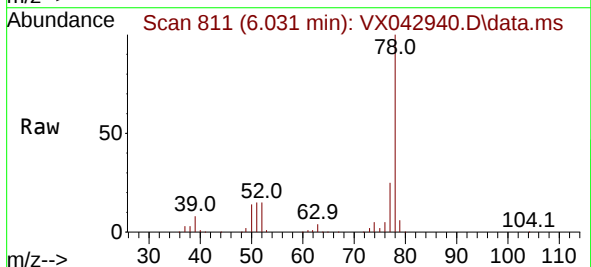
Manual Integrations  
APPROVED

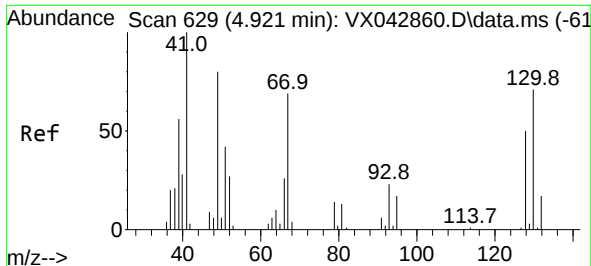
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#34  
Benzene  
Concen: 20.678 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

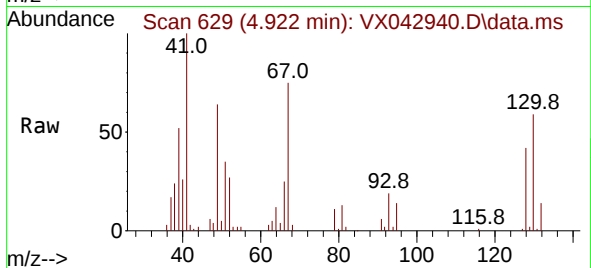
Tgt Ion: 78 Resp: 218995  
Ion Ratio Lower Upper  
78 100  
77 24.6 19.4 29.2  
51 13.9 13.5 20.3





#35  
Methacrylonitrile  
Concen: 20.157 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

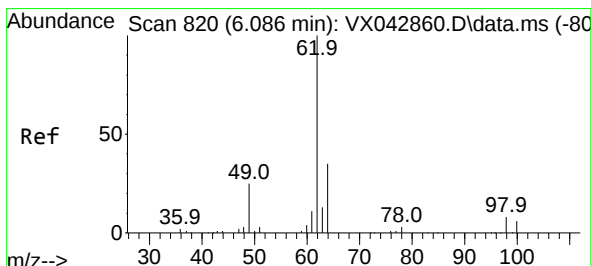
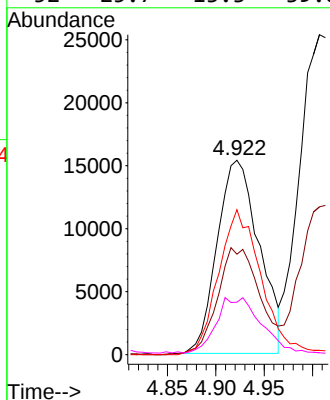
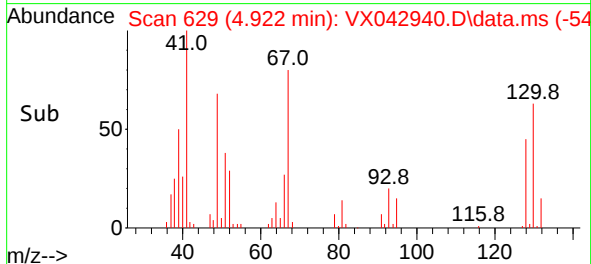


Tgt Ion: 41 Resp: 46392

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 51.6  | 28.1  | 84.2  |
| 67  | 75.0  | 34.4  | 103.1 |
| 52  | 25.7  | 13.3  | 39.8  |

Manual Integrations  
APPROVED

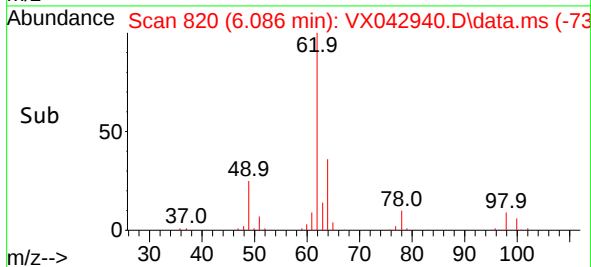
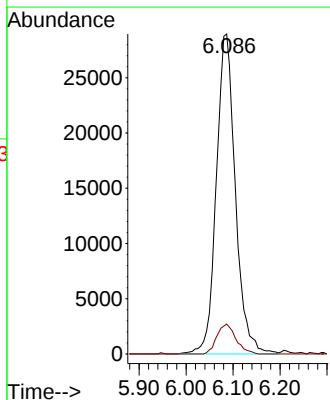
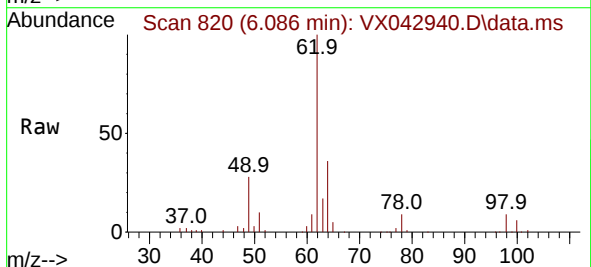
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024

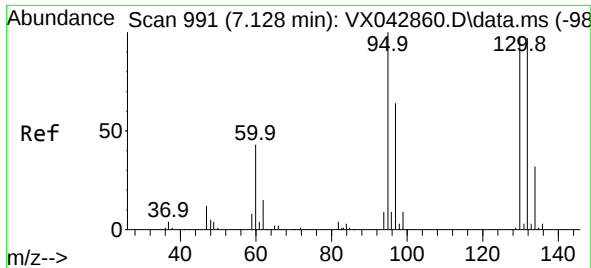


#36  
1,2-Dichloroethane  
Concen: 20.942 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion: 62 Resp: 81853

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.3   | 6.8   | 10.2  |





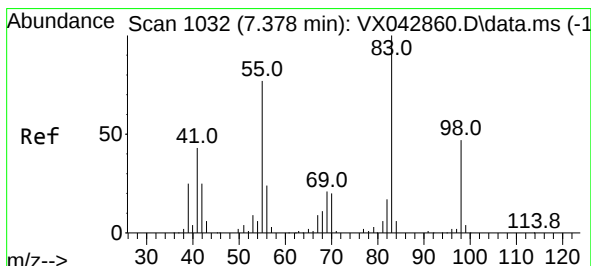
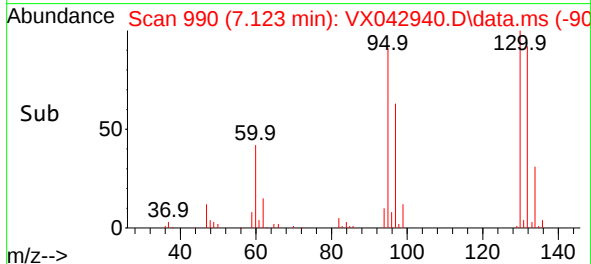
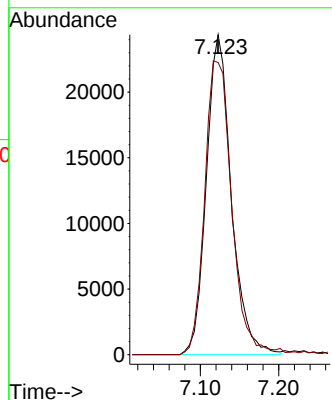
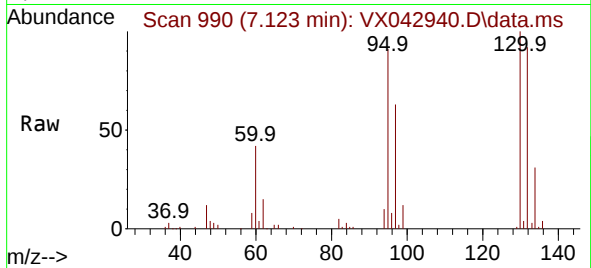
#37  
Trichloroethene  
Concen: 20.152 ug/l  
RT: 7.123 min Scan# 991  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion:130 Resp: 5403  
Ion Ratio Lower Upper  
130 100  
95 91.3 81.4 122.2

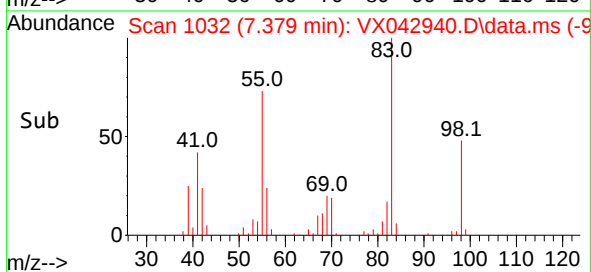
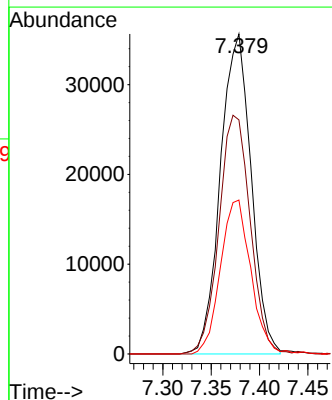
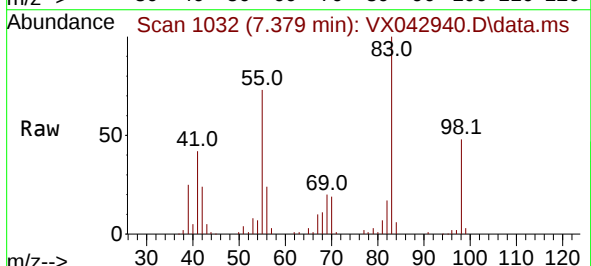
Manual Integrations  
APPROVED

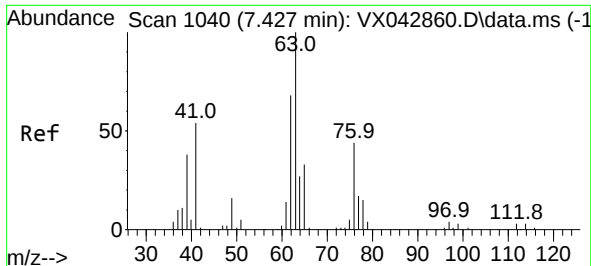
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#38  
Methylcyclohexane  
Concen: 19.172 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion: 83 Resp: 78598  
Ion Ratio Lower Upper  
83 100  
55 76.0 38.0 113.9  
98 47.7 23.4 70.2





#39

1,2-Dichloropropane

Concen: 20.442 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX042940.D

Acq: 08 Aug 2024 09:20

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 5519

Ion Ratio Lower Upper

63 100

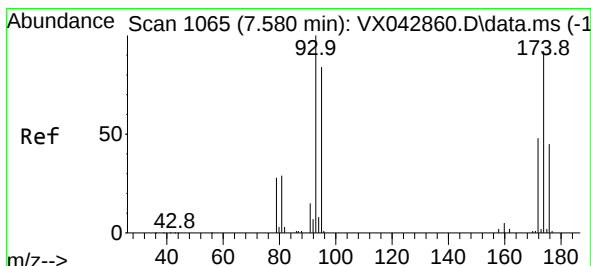
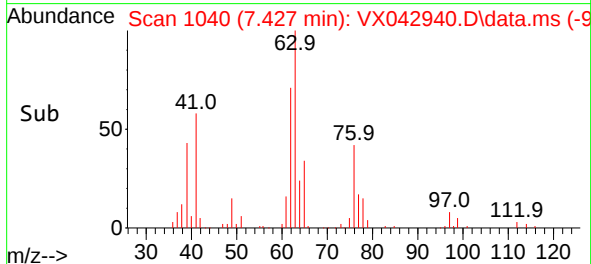
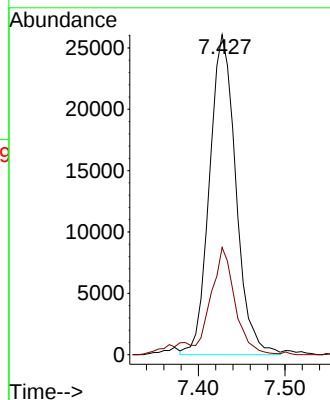
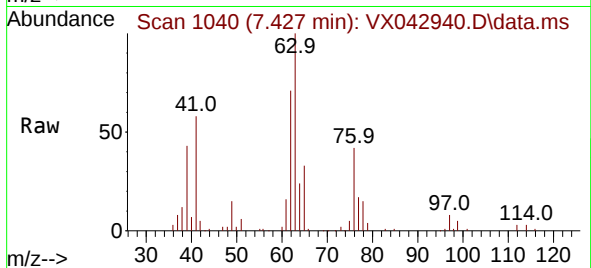
65 33.5 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#40

Dibromomethane

Concen: 20.137 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX042940.D

Acq: 08 Aug 2024 09:20

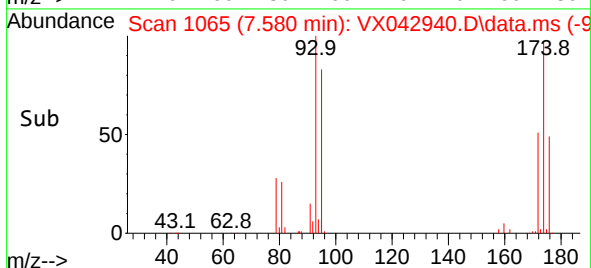
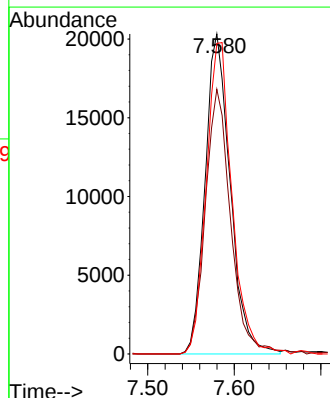
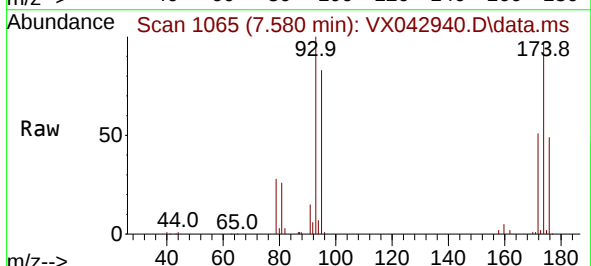
Tgt Ion: 93 Resp: 41049

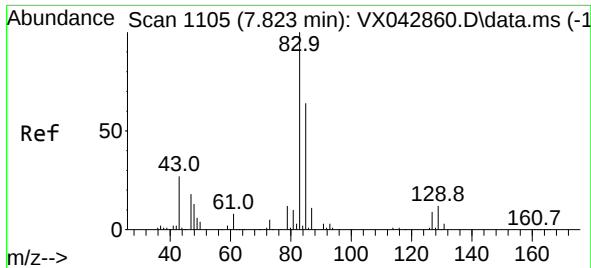
Ion Ratio Lower Upper

93 100

95 81.5 0.0 161.8

174 98.7 0.0 194.0





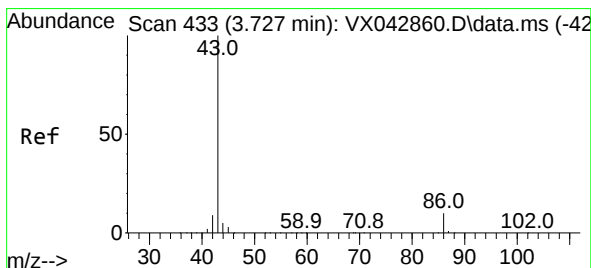
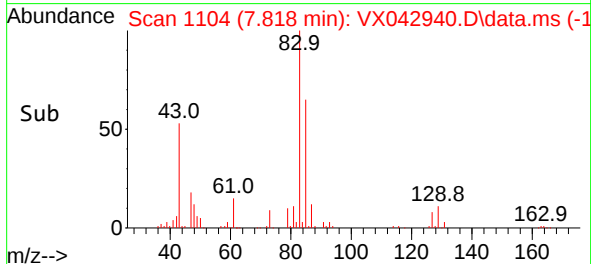
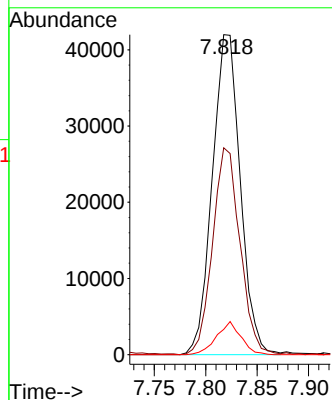
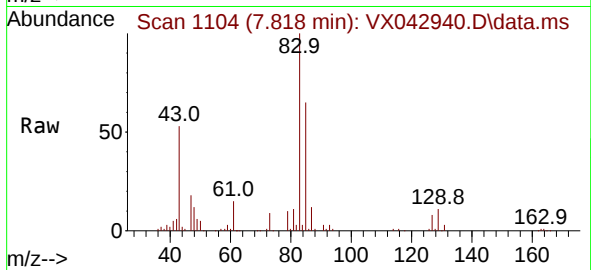
#41  
Bromodichloromethane  
Concen: 19.665 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 83 Resp: 7949  
Ion Ratio Lower Upper  
83 100  
85 64.7 50.8 76.2  
127 7.9 6.9 10.3

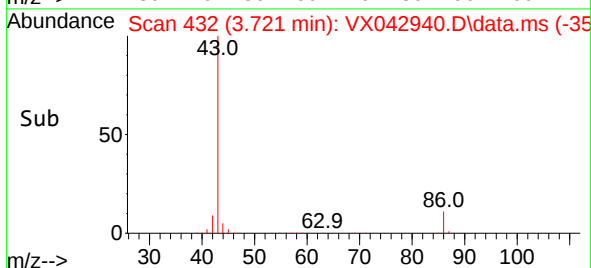
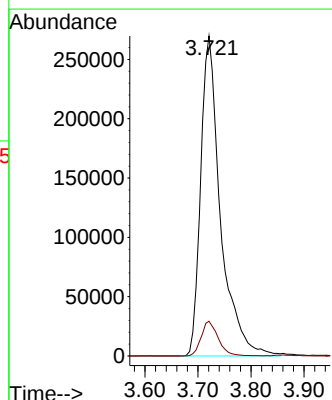
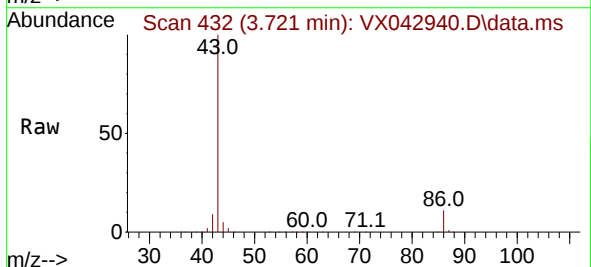
Manual Integrations  
APPROVED

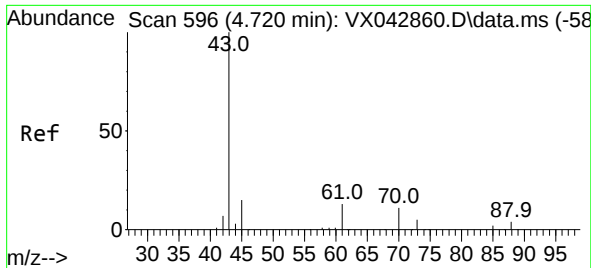
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#42  
Vinyl Acetate  
Concen: 98.361 ug/l  
RT: 3.721 min Scan# 432  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion: 43 Resp: 700799  
Ion Ratio Lower Upper  
43 100  
86 9.3 7.2 10.8





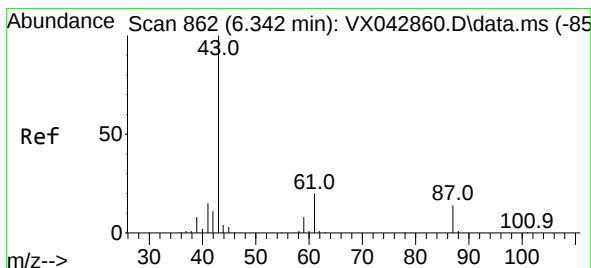
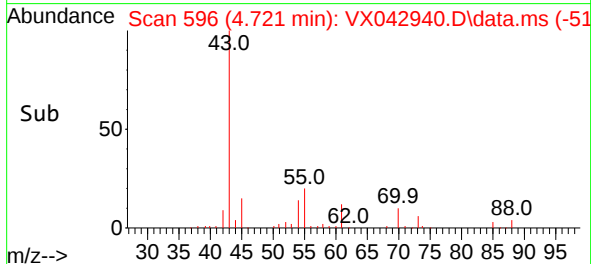
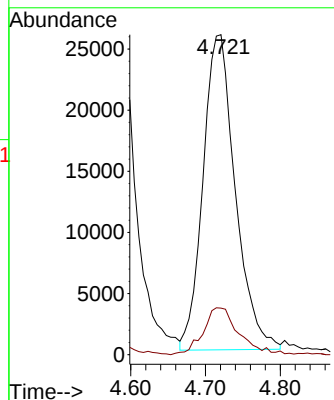
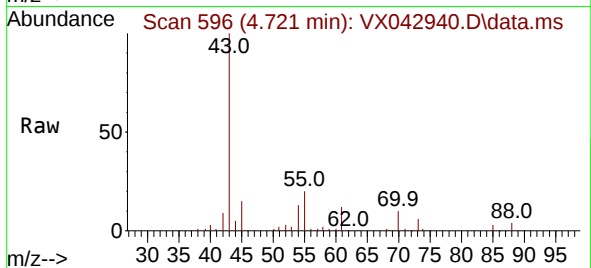
#43  
Ethyl Acetate  
Concen: 18.942 ug/l  
RT: 4.721 min Scan# 596  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 43 Resp: 77410  
Ion Ratio Lower Upper  
43 100  
45 15.8 12.5 18.7

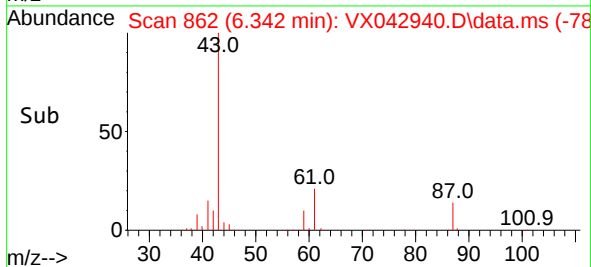
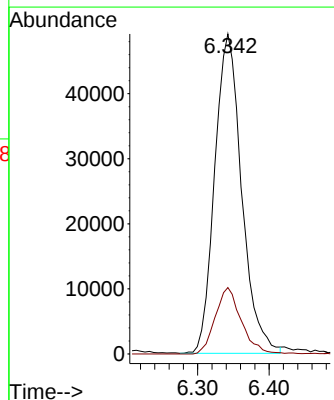
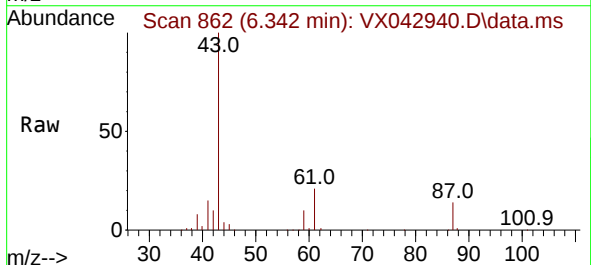
Manual Integrations  
APPROVED

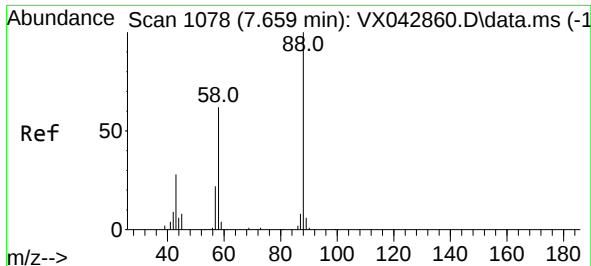
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#44  
Isopropyl Acetate  
Concen: 19.527 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

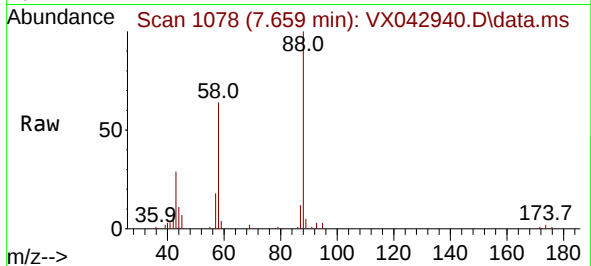
Tgt Ion: 43 Resp: 128432  
Ion Ratio Lower Upper  
43 100  
61 20.0 15.4 23.0





#45  
1,4-Dioxane  
Concen: 296.743 ug/l  
RT: 7.659 min Scan# 1078  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

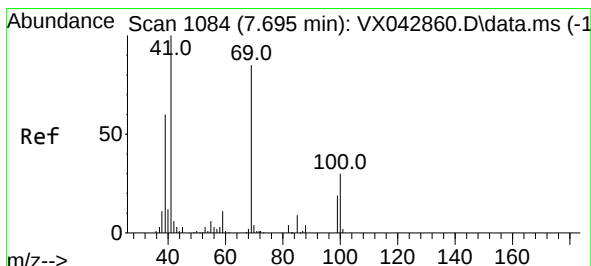
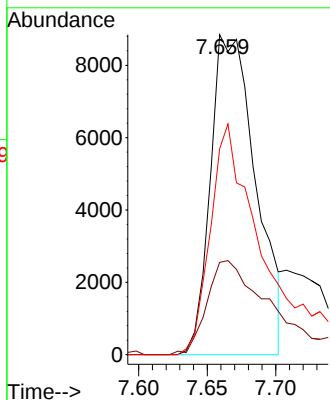
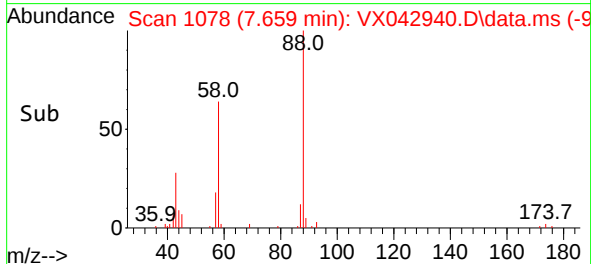
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 88 Resp: 2043  
Ion Ratio Lower Upper  
88 100  
43 38.1 25.8 38.6  
58 83.6 55.5 83.3

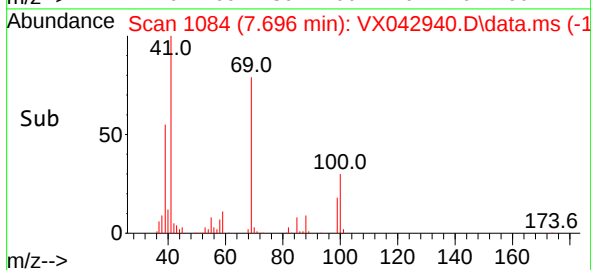
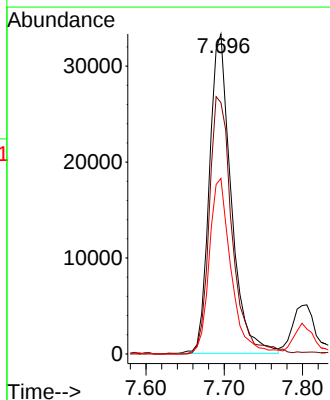
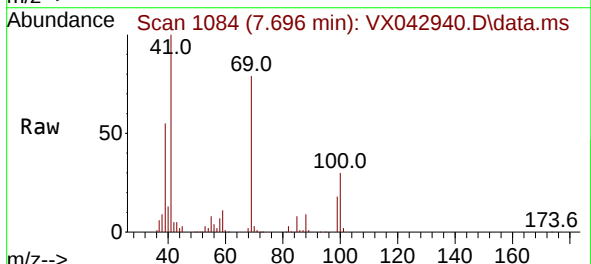
Manual Integrations  
APPROVED

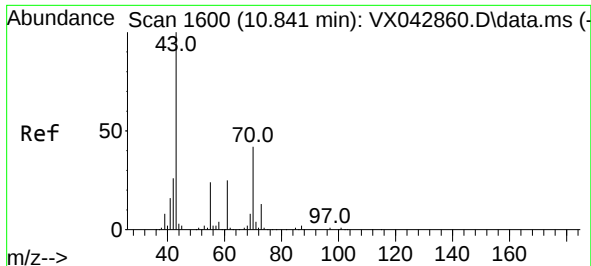
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#46  
Methyl methacrylate  
Concen: 19.657 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

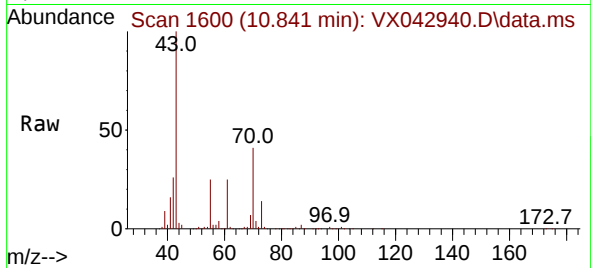
Tgt Ion: 41 Resp: 64247  
Ion Ratio Lower Upper  
41 100  
69 78.7 42.4 127.1  
39 55.0 29.9 89.7





#47  
n-amy1 Acetate  
Concen: 18.407 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

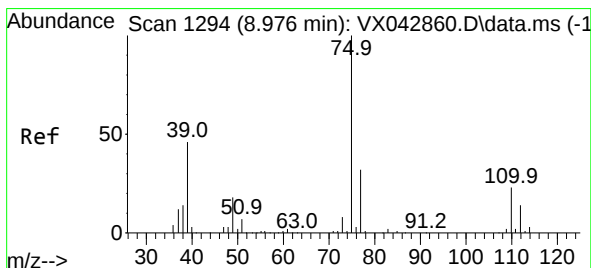
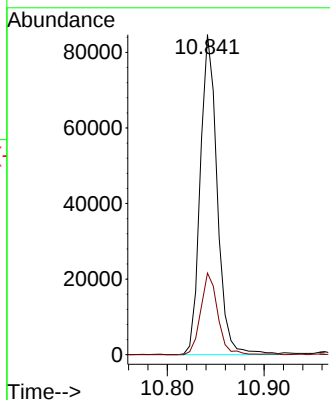
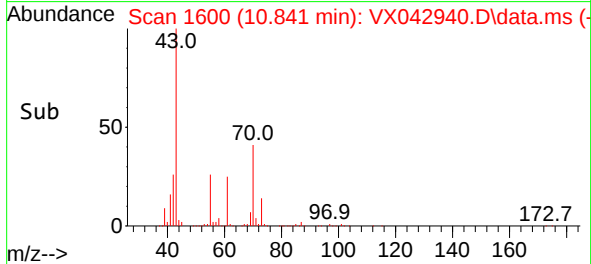
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 43 Resp: 103564  
Ion Ratio Lower Upper  
43 100  
55 25.4 19.6 29.4

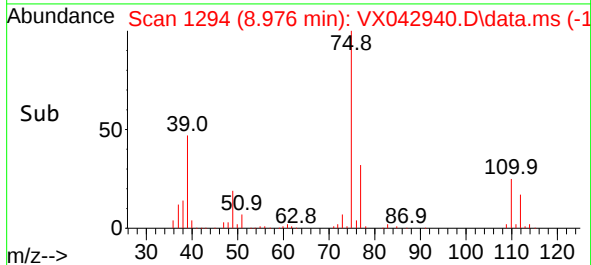
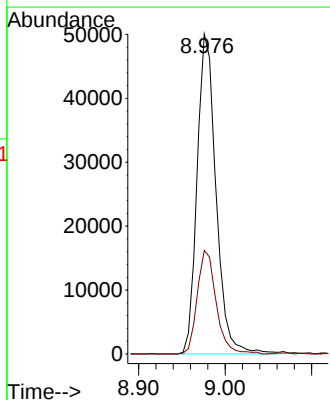
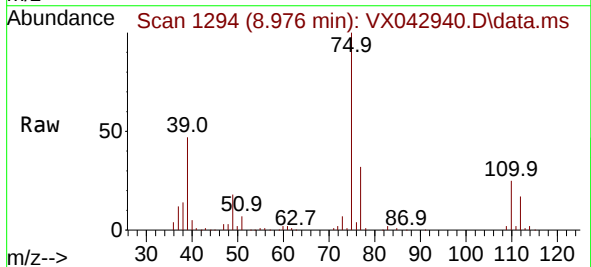
Manual Integrations  
APPROVED

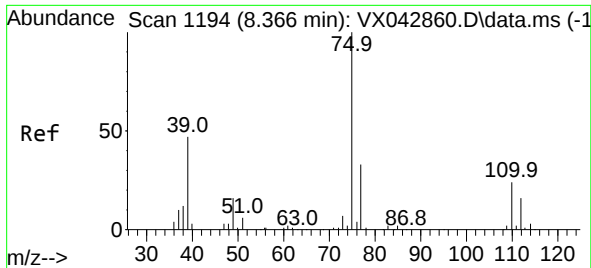
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#48  
t-1,3-Dichloropropene  
Concen: 19.646 ug/l  
RT: 8.976 min Scan# 1294  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion: 75 Resp: 76132  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.6 38.4





#49  
 cis-1,3-Dichloropropene  
 Concen: 20.192 ug/l  
 RT: 8.366 min Scan# 1194  
 Delta R.T. 0.000 min  
 Lab File: VX042940.D  
 Acq: 08 Aug 2024 09:20

Instrument :

MSVOA\_X

ClientSampleId :

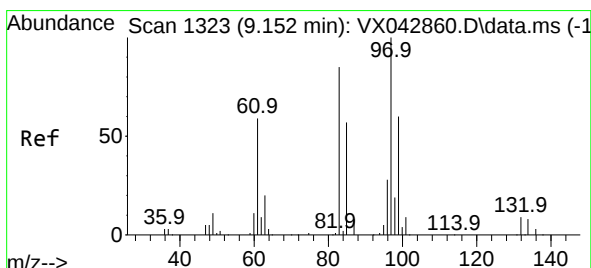
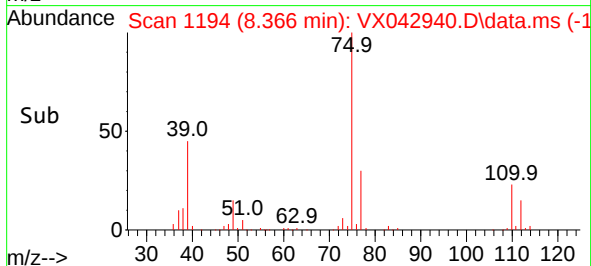
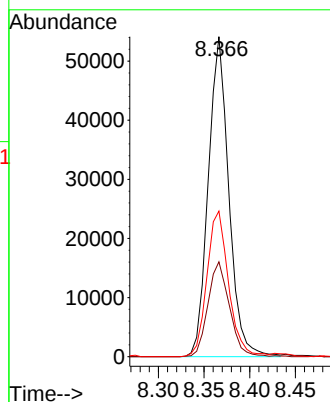
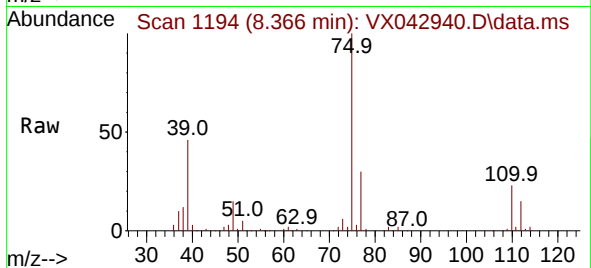
VSTDCCC020

Tgt Ion: 75 Resp: 84740  
 Ion Ratio Lower Upper  
 75 100  
 77 29.6 26.8 40.2  
 39 45.5 37.5 56.3

Manual Integrations

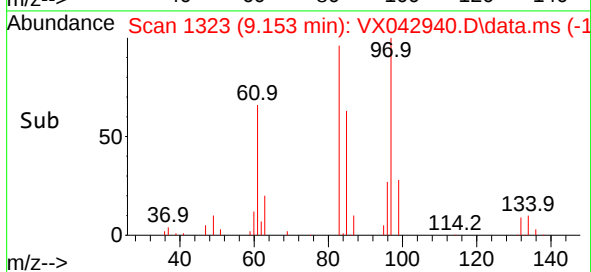
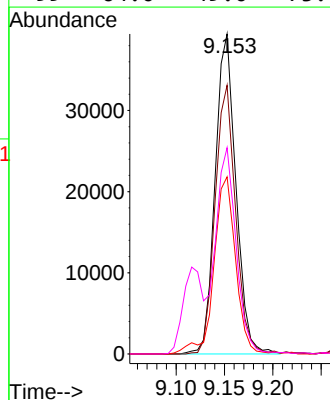
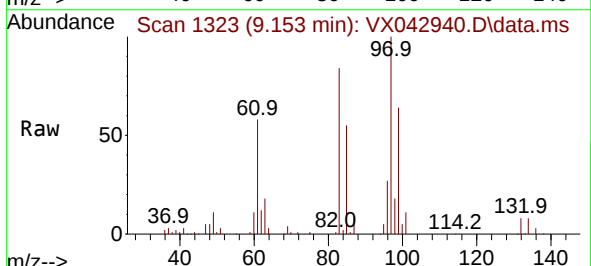
APPROVED

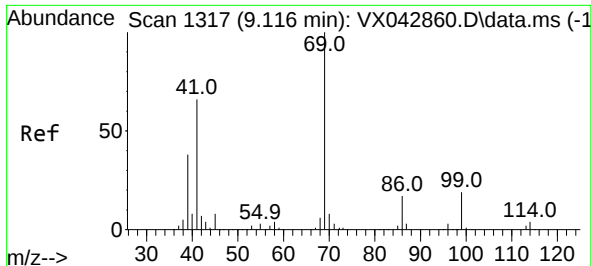
Reviewed By :John Carlone 08/08/2024  
 Supervised By :Mahesh Dadoda 08/09/2024



#50  
 1,1,2-Trichloroethane  
 Concen: 21.074 ug/l  
 RT: 9.153 min Scan# 1323  
 Delta R.T. 0.000 min  
 Lab File: VX042940.D  
 Acq: 08 Aug 2024 09:20

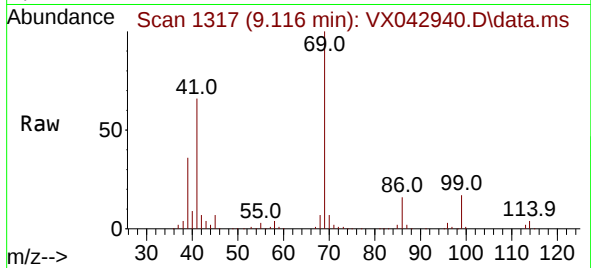
Tgt Ion: 97 Resp: 58592  
 Ion Ratio Lower Upper  
 97 100  
 83 84.0 68.2 102.2  
 85 55.1 45.4 68.0  
 99 64.0 49.0 73.4





#51  
Ethyl methacrylate  
Concen: 19.551 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

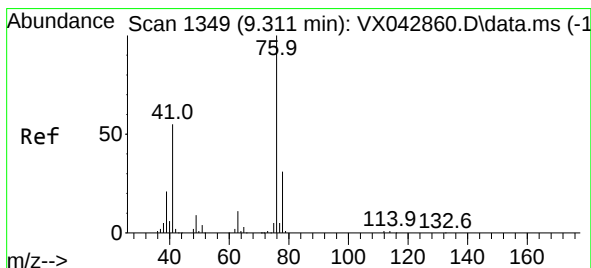
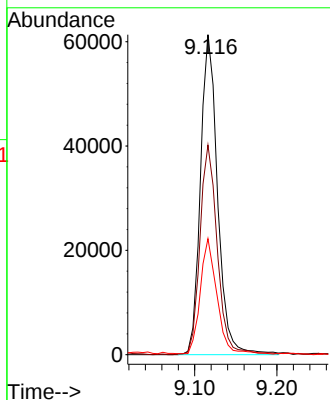
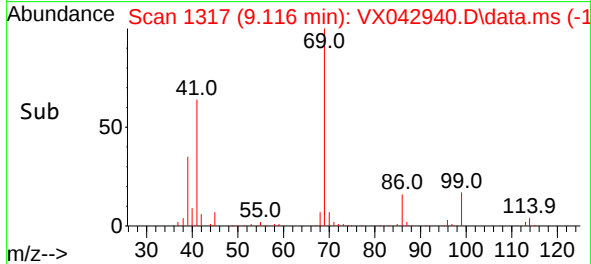
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 69 Resp: 8894  
Ion Ratio Lower Upper  
69 100  
41 65.3 33.1 99.2  
39 35.9 18.8 56.3

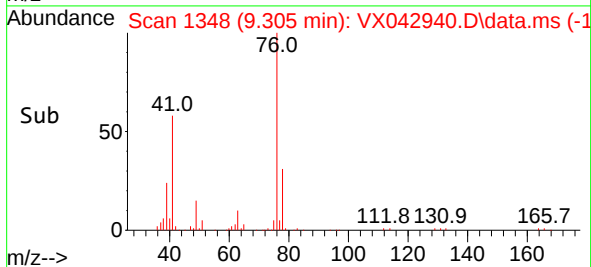
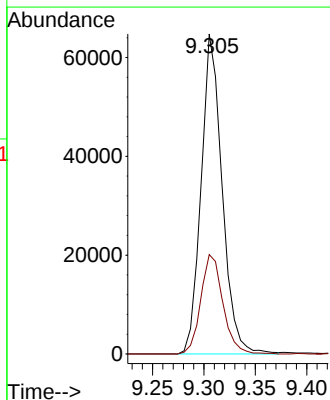
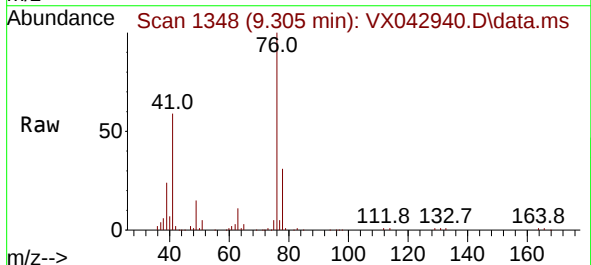
Manual Integrations  
APPROVED

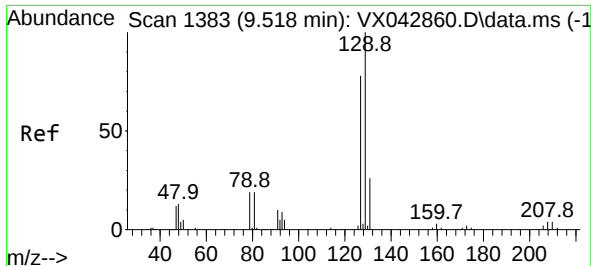
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#52  
1,3-Dichloropropane  
Concen: 20.203 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

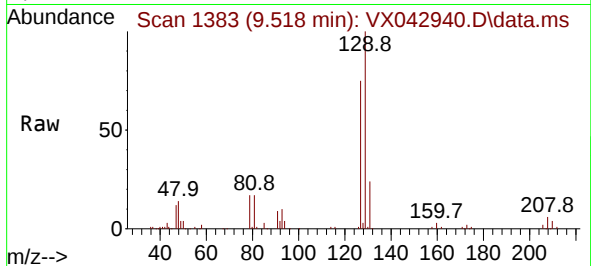
Tgt Ion: 76 Resp: 92179  
Ion Ratio Lower Upper  
76 100  
78 32.7 0.0 64.8





#53  
Dibromochloromethane  
Concen: 19.328 ug/l  
RT: 9.518 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

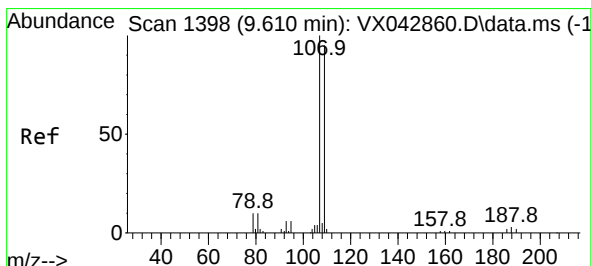
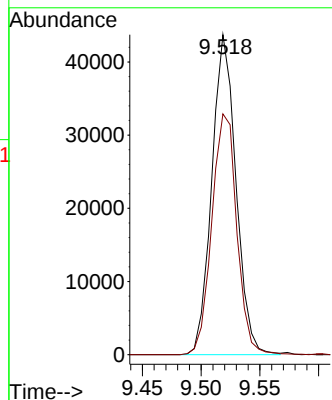
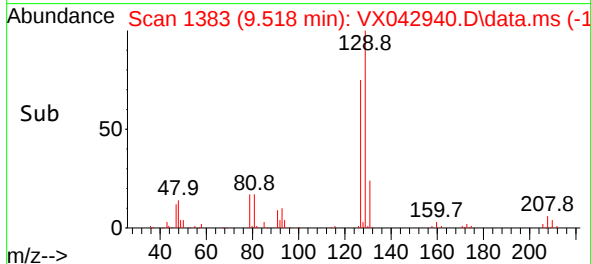
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion:129 Resp: 62538  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.5 115.3

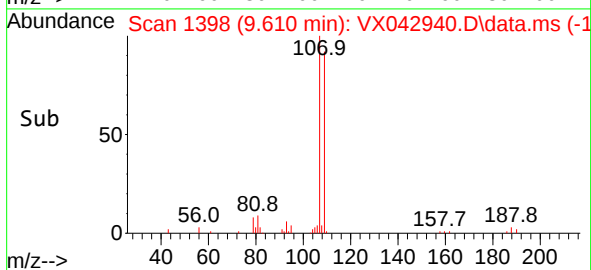
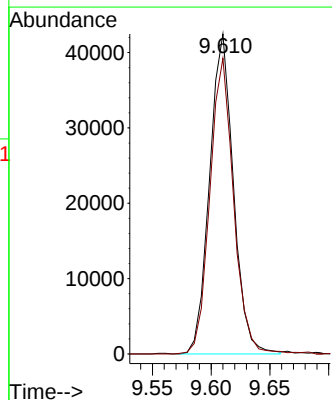
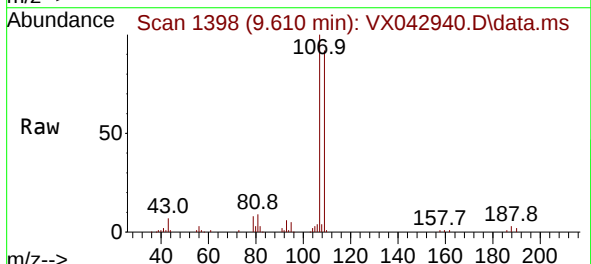
Manual Integrations  
APPROVED

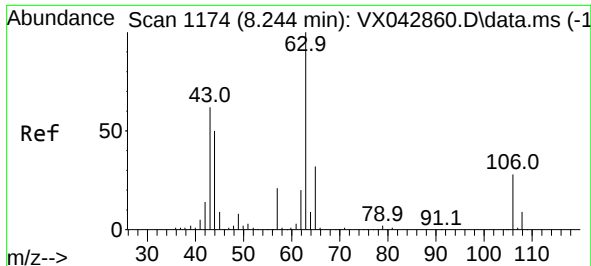
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#54  
1,2-Dibromoethane  
Concen: 20.738 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion:107 Resp: 59965  
Ion Ratio Lower Upper  
107 100  
109 91.7 74.2 111.4





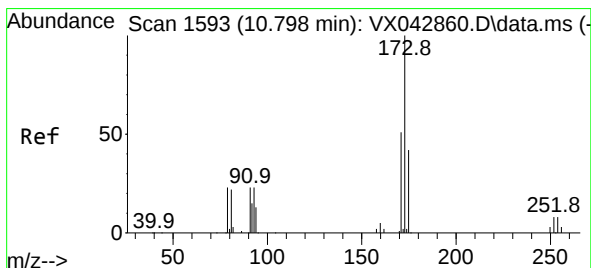
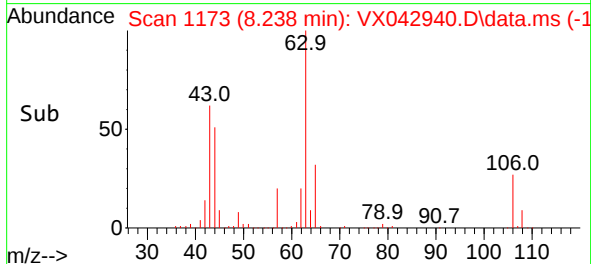
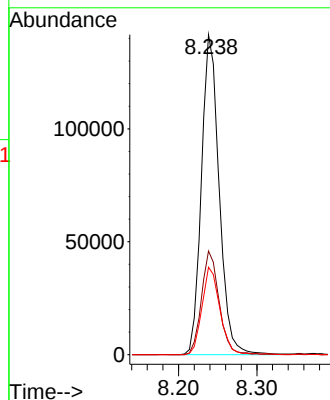
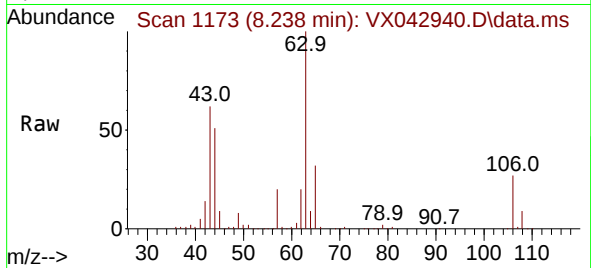
#55  
2-Chloroethyl vinyl ether  
Concen: 106.102 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 63 Resp: 222902  
Ion Ratio Lower Upper  
63 100  
65 32.1 26.3 39.5  
106 27.6 21.8 32.6

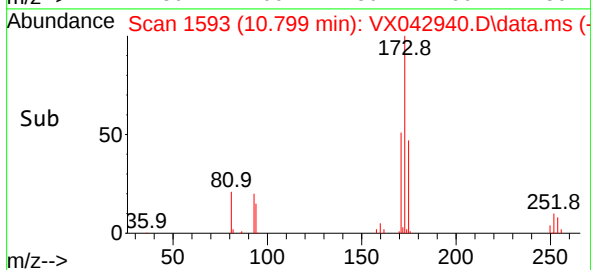
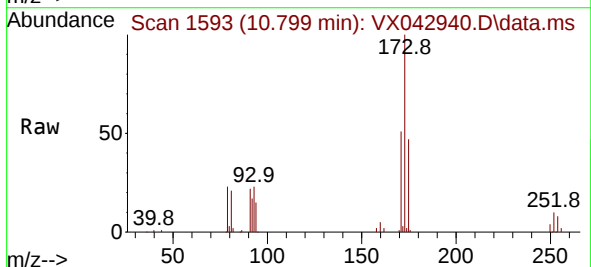
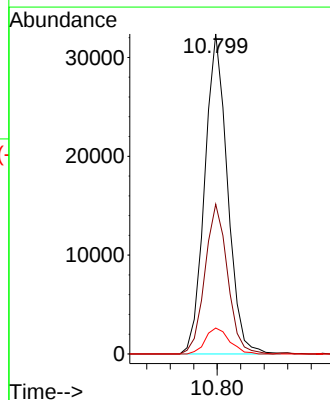
Manual Integrations  
APPROVED

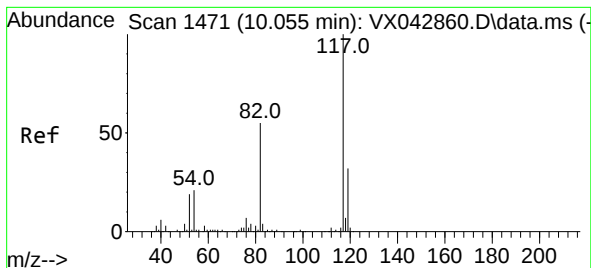
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#56  
Bromoform  
Concen: 18.747 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

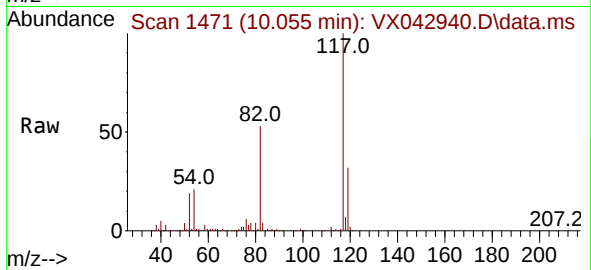
Tgt Ion:173 Resp: 43481  
Ion Ratio Lower Upper  
173 100  
175 46.6 37.1 55.7  
254 8.6 6.6 10.0





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

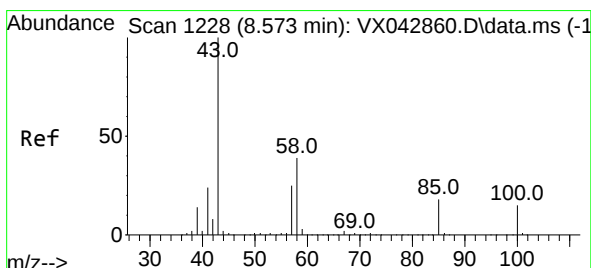
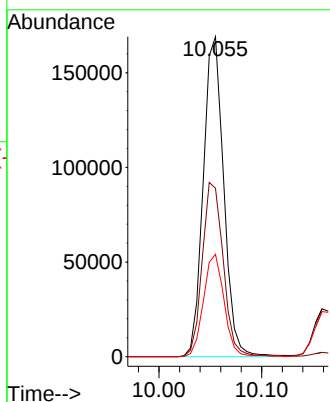
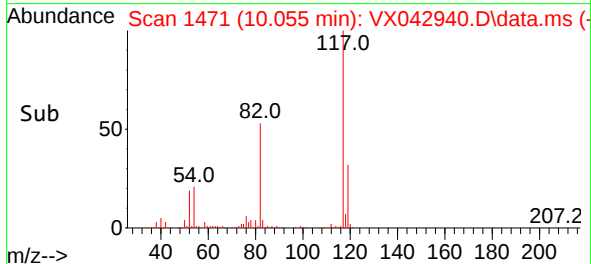
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 117 Resp: 234386  
Ion Ratio Lower Upper  
117 100  
82 56.0 44.9 67.3  
119 32.0 25.4 38.2

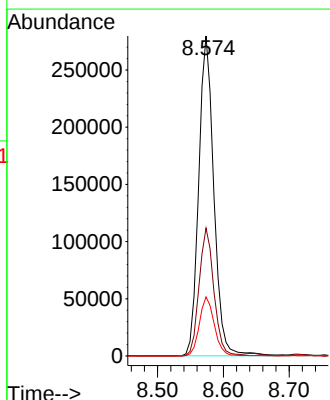
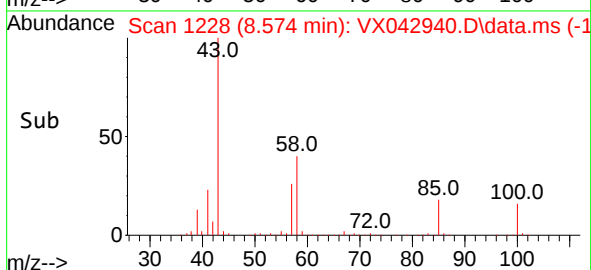
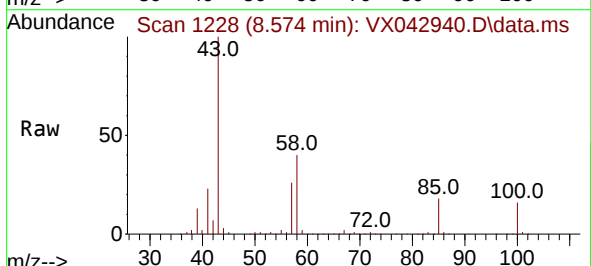
Manual Integrations  
APPROVED

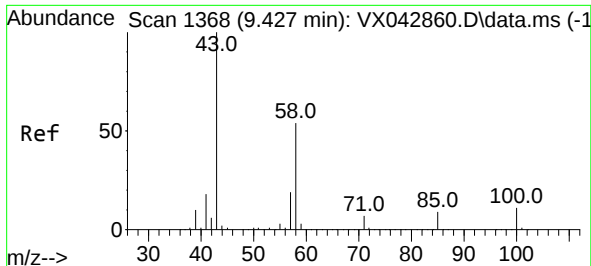
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#58  
4-Methyl-2-Pentanone  
Concen: 101.670 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

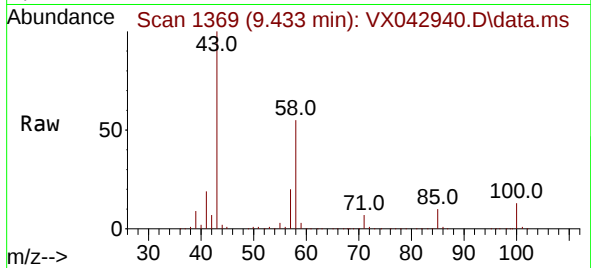
Tgt Ion: 43 Resp: 448757  
Ion Ratio Lower Upper  
43 100  
58 38.9 31.4 47.0  
85 18.1 14.6 21.8





#59  
2-Hexanone  
Concen: 98.533 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

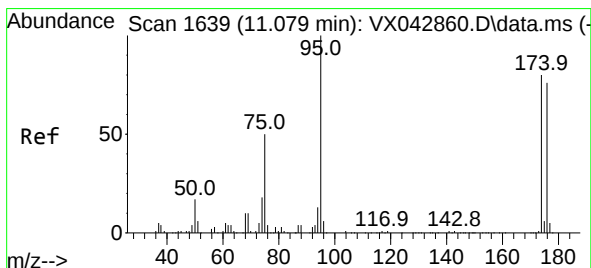
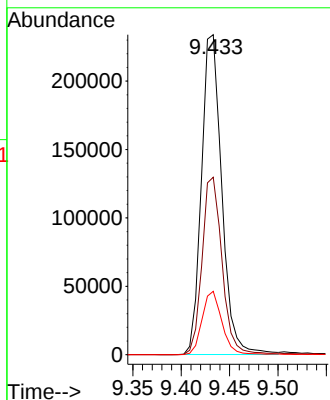
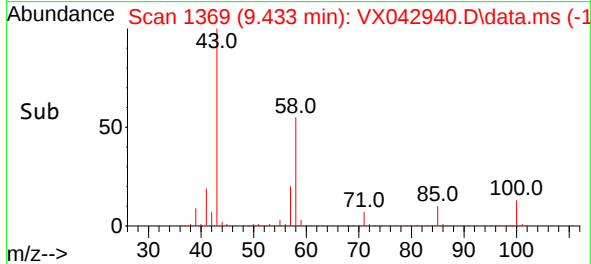
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 43 Resp: 34375  
Ion Ratio Lower Upper  
43 100  
58 54.5 43.5 65.3  
57 19.3 15.0 22.6

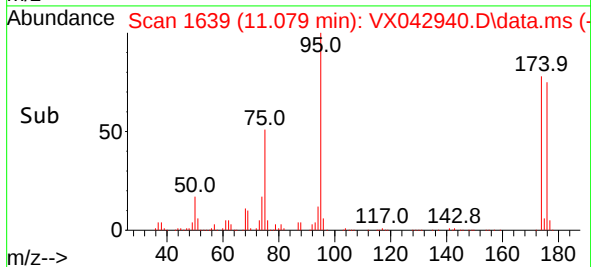
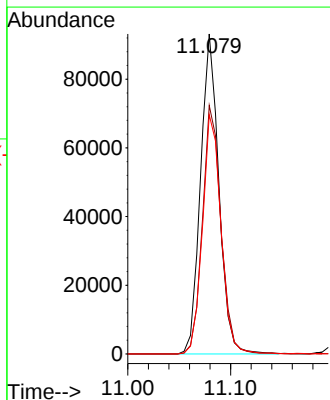
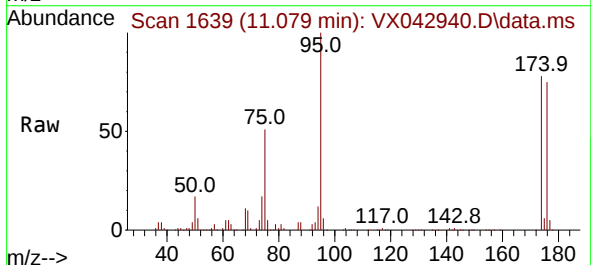
Manual Integrations  
APPROVED

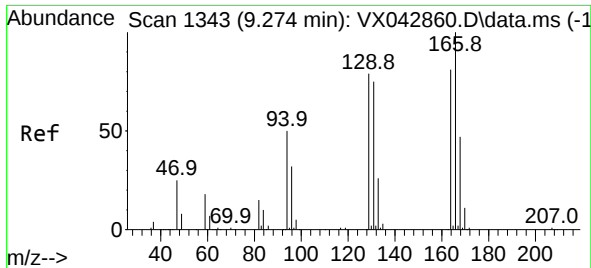
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#60  
4-Bromofluorobenzene  
Concen: 30.232 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion: 95 Resp: 115604  
Ion Ratio Lower Upper  
95 100  
174 78.2 65.0 97.6  
176 75.7 63.4 95.0





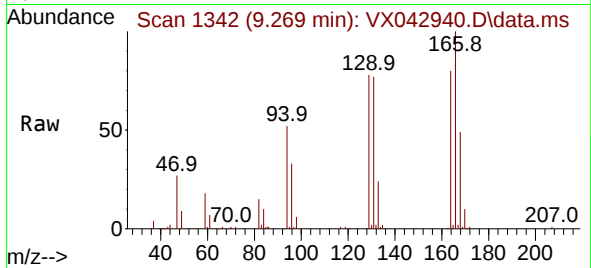
#61  
Tetrachloroethene  
Concen: 21.501 ug/l  
RT: 9.269 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020



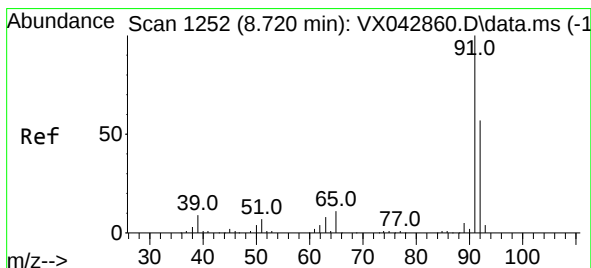
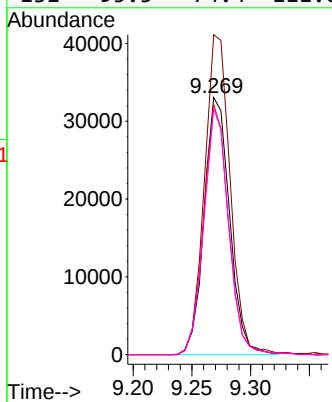
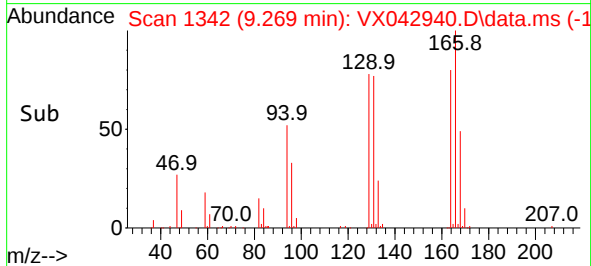
Tgt Ion:164 Resp: 5003  
Ion Ratio Lower Upper  
164 100  
166 124.4 98.6 147.8  
129 97.0 77.4 116.0  
131 95.5 74.4 111.6

Manual Integrations

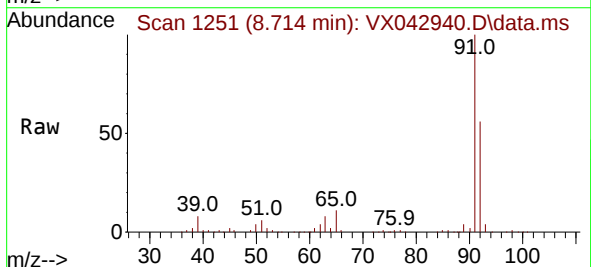
APPROVED

Reviewed By :John Carlone 08/08/2024

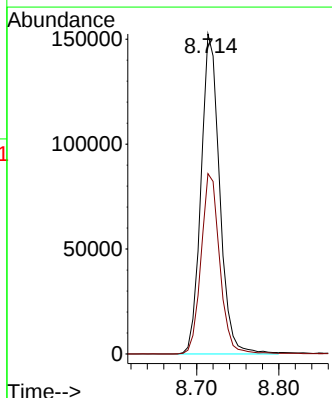
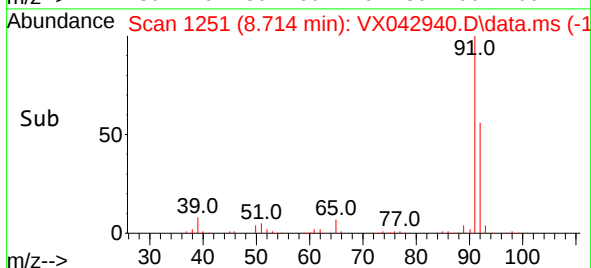
Supervised By :Mahesh Dadoda 08/09/2024

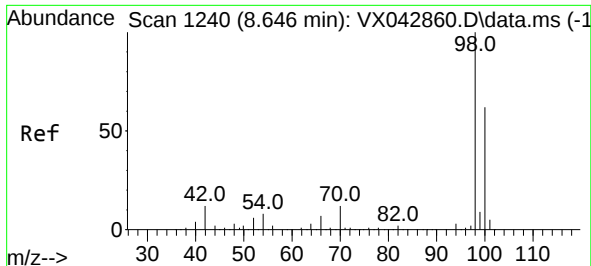


#62  
Toluene  
Concen: 20.894 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20



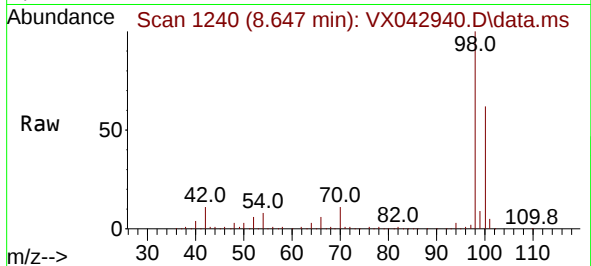
Tgt Ion: 91 Resp: 239867  
Ion Ratio Lower Upper  
91 100  
92 56.1 45.7 68.5





#63  
Toluene-d8  
Concen: 30.296 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

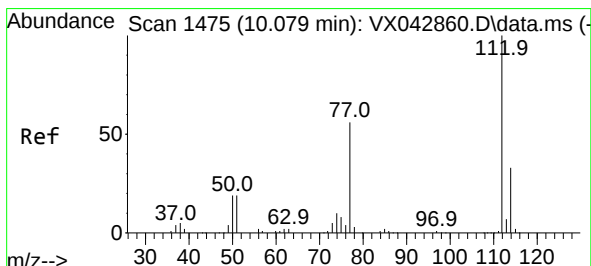
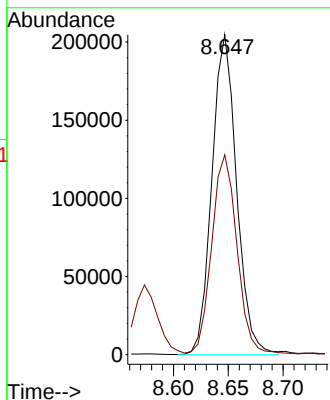
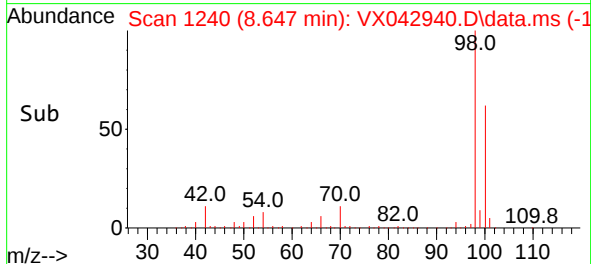
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 98 Resp: 320752  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.9 76.3

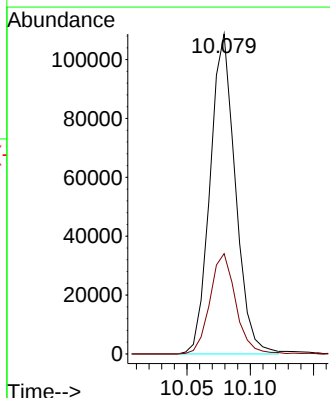
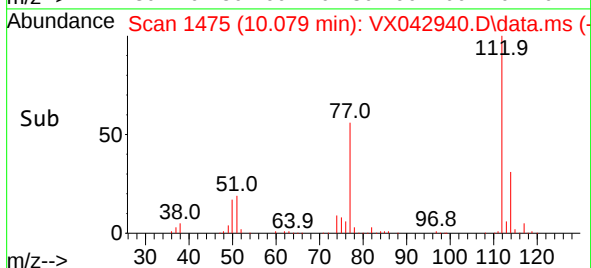
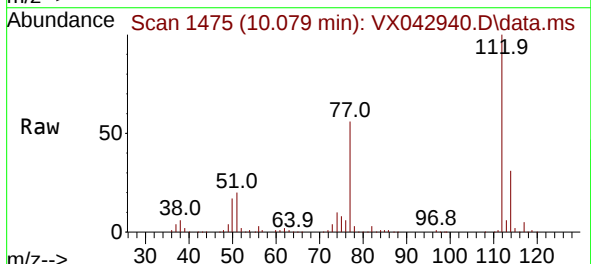
Manual Integrations  
APPROVED

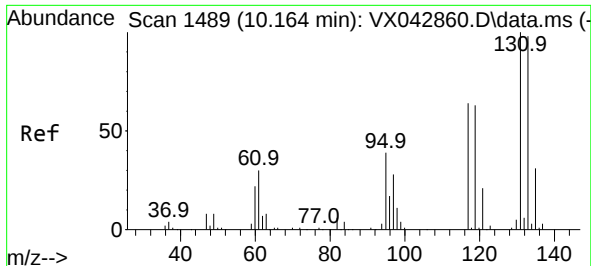
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#64  
Chlorobenzene  
Concen: 20.559 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion:112 Resp: 151054  
Ion Ratio Lower Upper  
112 100  
114 31.3 26.3 39.5





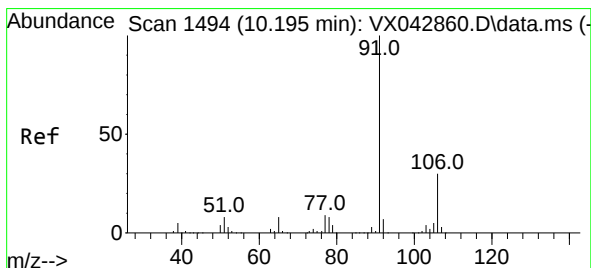
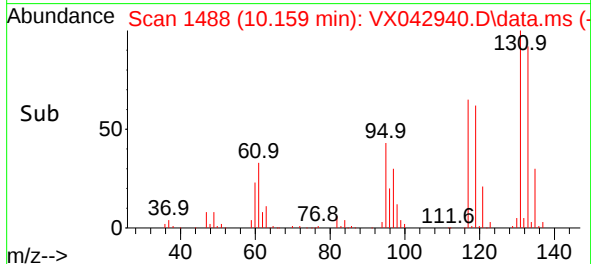
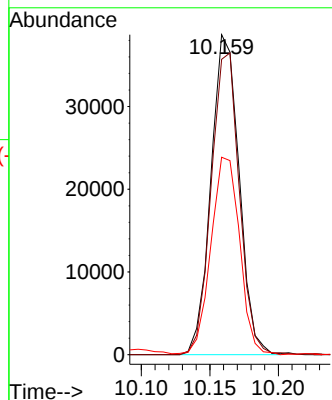
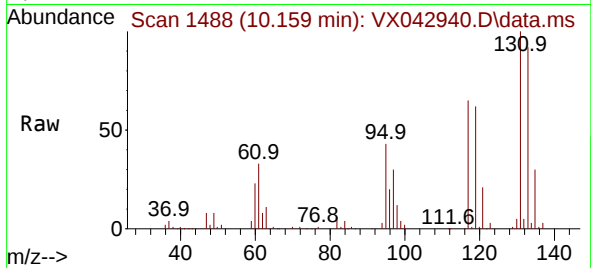
#65  
1,1,1,2-Tetrachloroethane  
Concen: 20.722 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion:131 Resp: 55270  
Ion Ratio Lower Upper  
131 100  
133 94.2 0.0 188.2  
119 63.1 0.0 131.0

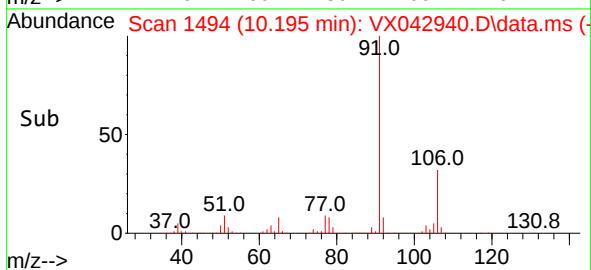
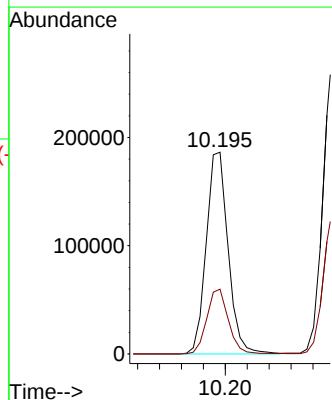
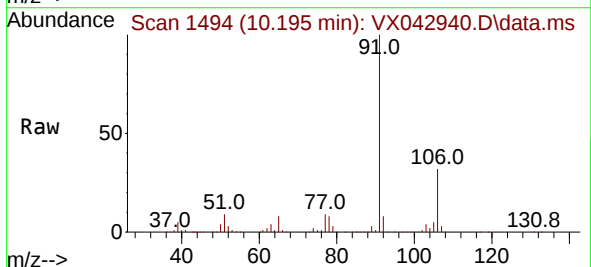
Manual Integrations  
APPROVED

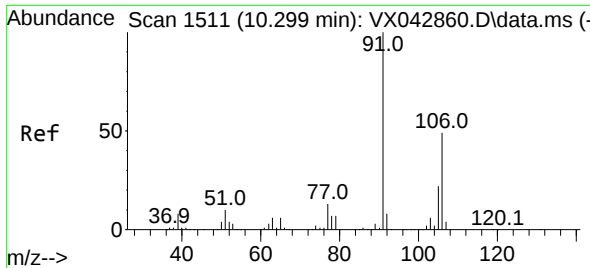
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#66  
Ethyl Benzene  
Concen: 20.214 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

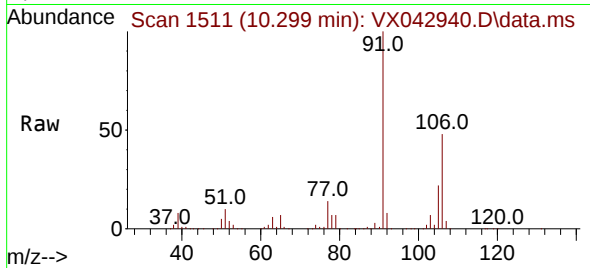
Tgt Ion: 91 Resp: 257918  
Ion Ratio Lower Upper  
91 100  
106 32.1 23.8 35.8





#67  
m/p-Xylenes  
Concen: 40.640 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

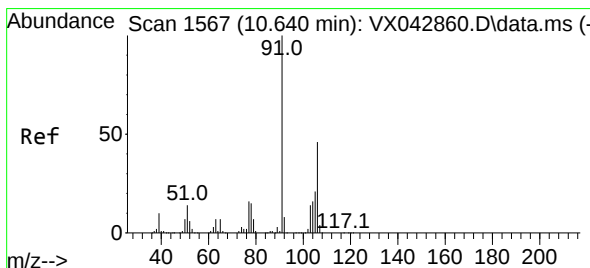
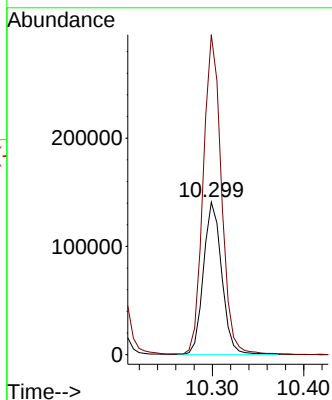
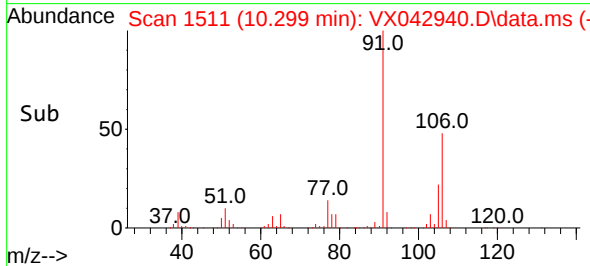
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



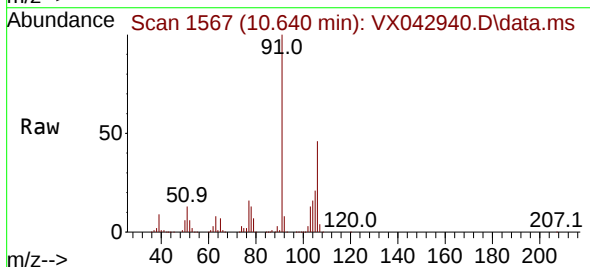
Tgt Ion:106 Resp: 19605  
Ion Ratio Lower Upper  
106 100  
91 208.5 165.3 247.9

Manual Integrations  
APPROVED

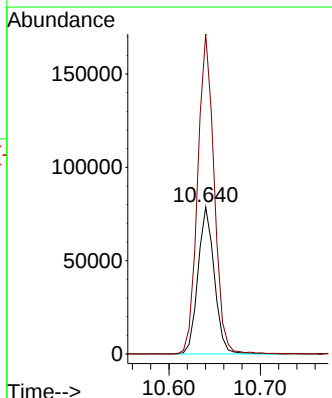
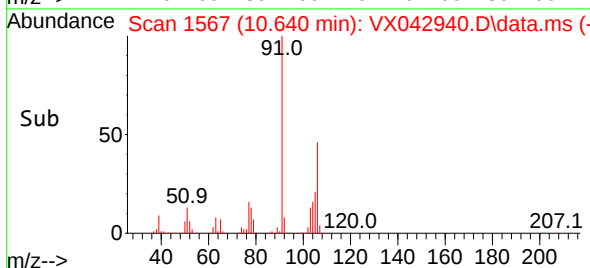
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024

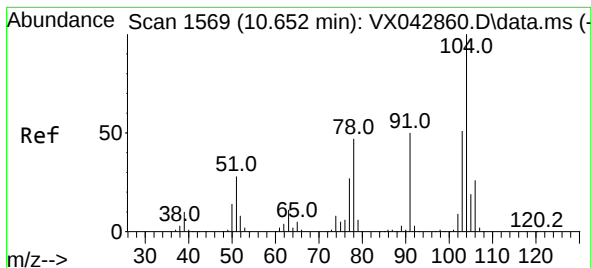


#68  
o-Xylene  
Concen: 20.543 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20



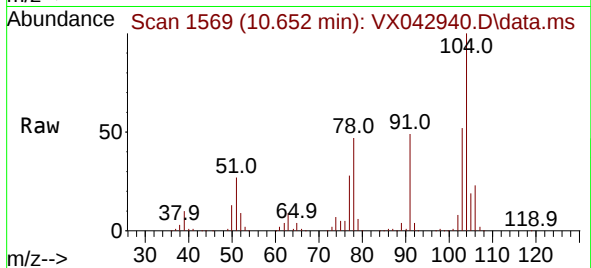
Tgt Ion:106 Resp: 97695  
Ion Ratio Lower Upper  
106 100  
91 219.8 107.5 322.4





#69  
Styrene  
Concen: 20.095 ug/l  
RT: 10.652 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

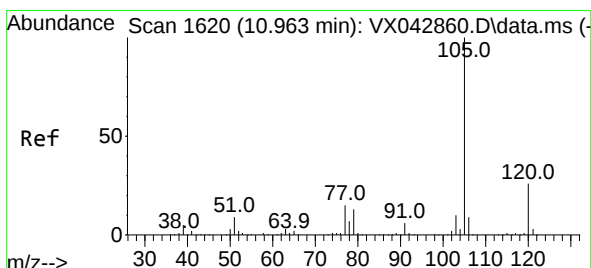
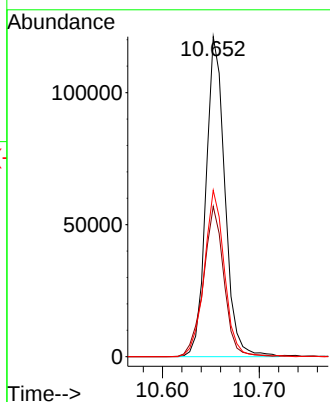
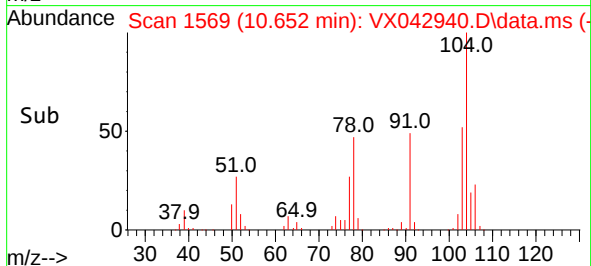
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



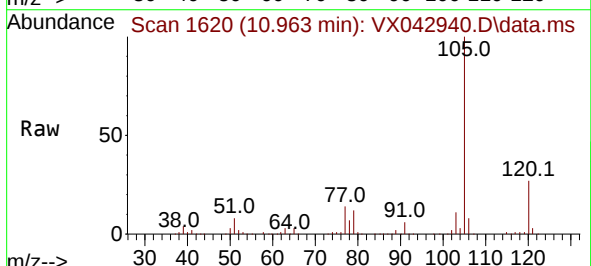
Tgt Ion:104 Resp: 16455  
Ion Ratio Lower Upper  
104 100  
78 50.9 41.1 61.7  
103 55.5 44.2 66.2

Manual Integrations  
APPROVED

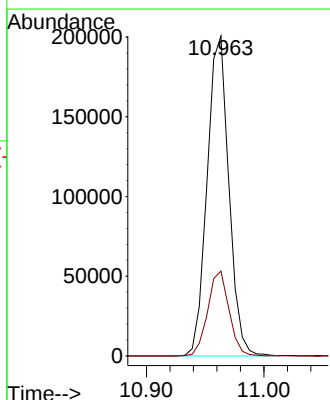
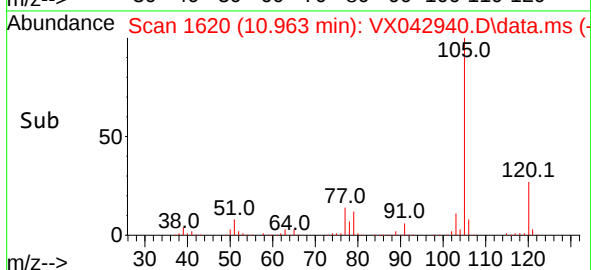
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024

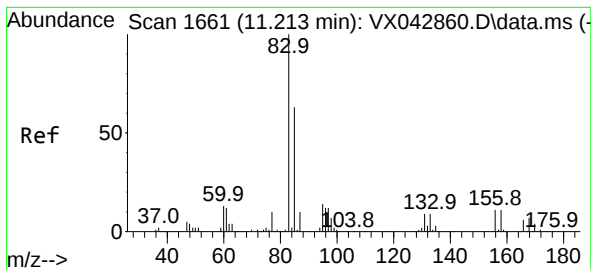


#70  
Isopropylbenzene  
Concen: 20.625 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20



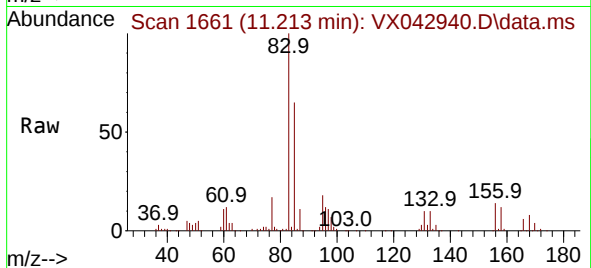
Tgt Ion:105 Resp: 258149  
Ion Ratio Lower Upper  
105 100  
120 26.1 18.4 34.2





#71  
1,1,2,2-Tetrachloroethane  
Concen: 20.112 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

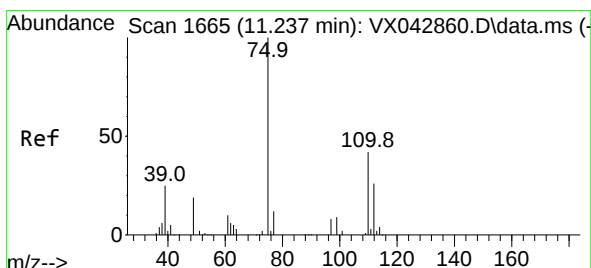
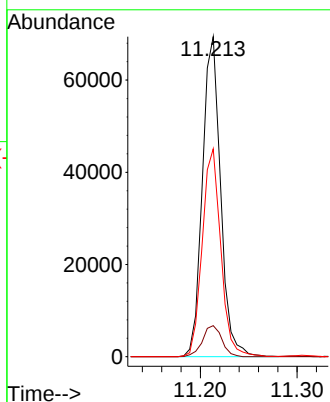
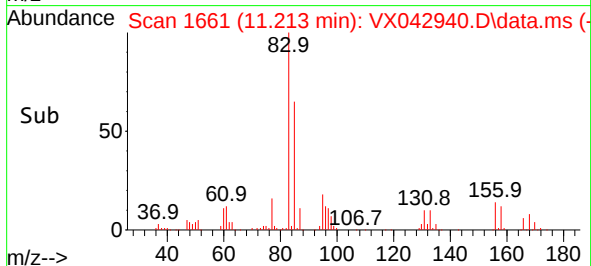
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



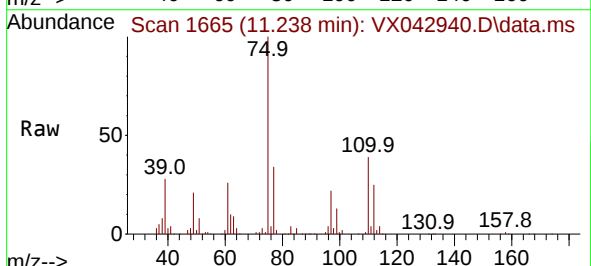
Tgt Ion: 83 Resp: 90780  
Ion Ratio Lower Upper  
83 100  
131 10.4 4.9 14.7  
85 65.8 32.0 96.2

Manual Integrations  
APPROVED

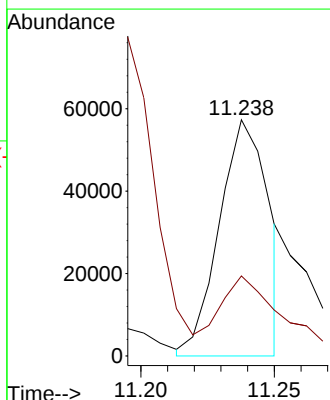
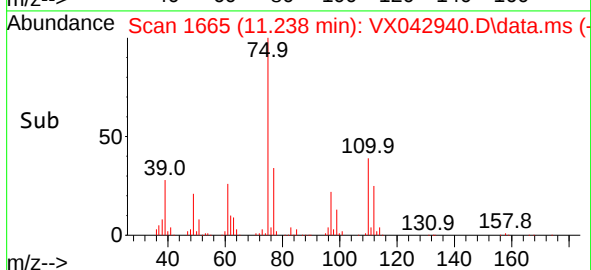
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024

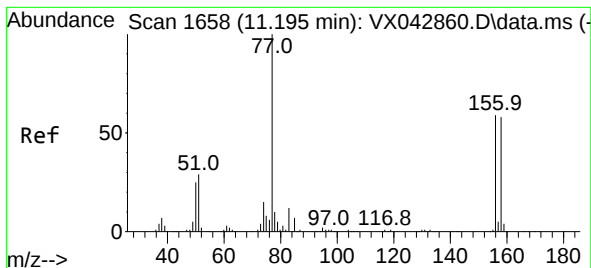


#72  
1,2,3-Trichloropropane  
Concen: 20.054 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20



Tgt Ion: 75 Resp: 73946  
Ion Ratio Lower Upper  
75 100  
77 43.4 0.0 89.6





#73

Bromobenzene

Concen: 20.020 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX042940.D

Acq: 08 Aug 2024 09:20

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion:156 Resp: 63670

Ion Ratio Lower Upper

156 100

77 158.5 0.0 317.2

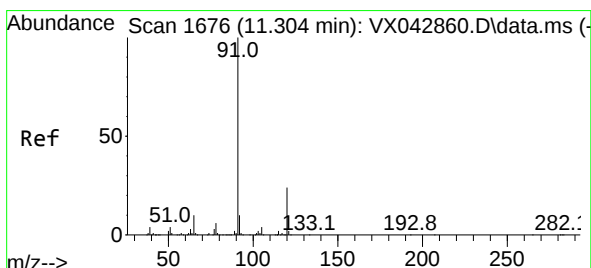
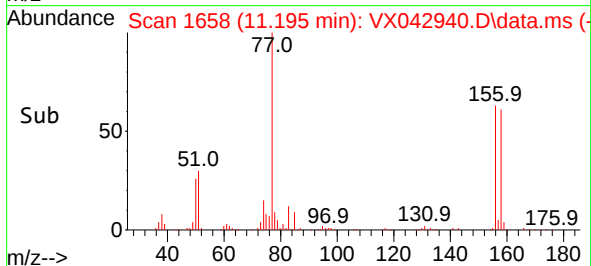
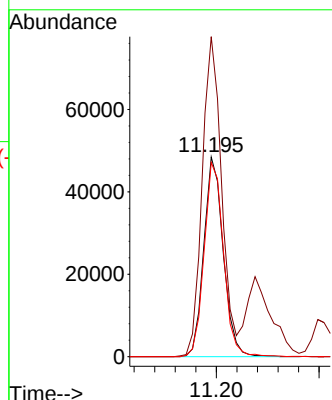
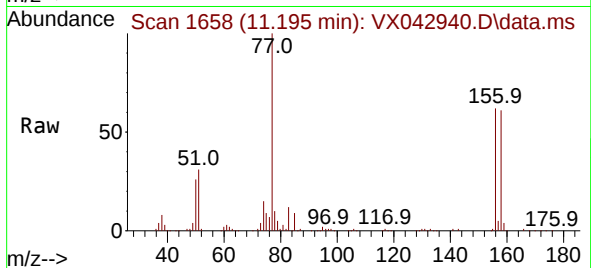
158 97.4 0.0 195.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#74

n-propylbenzene

Concen: 19.937 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX042940.D

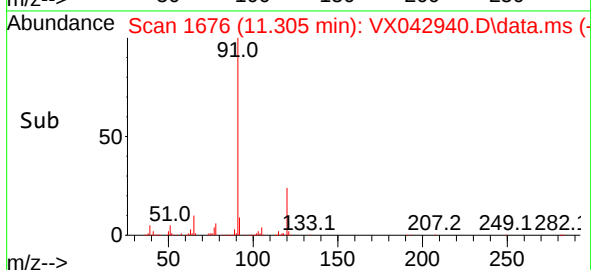
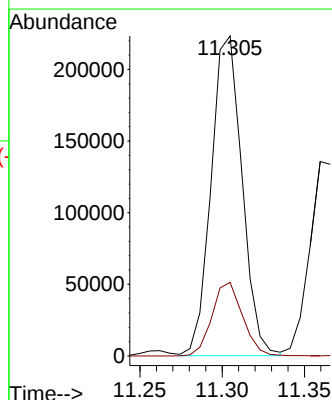
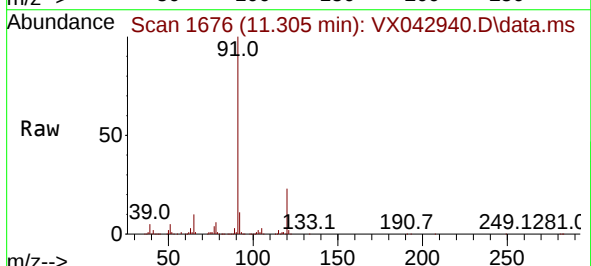
Acq: 08 Aug 2024 09:20

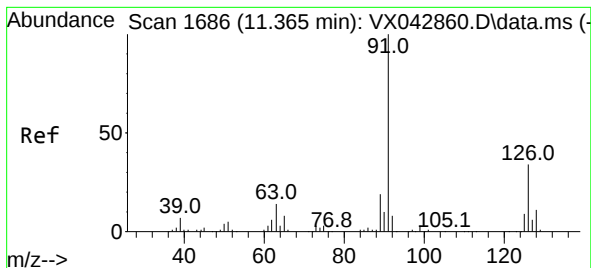
Tgt Ion: 91 Resp: 291911

Ion Ratio Lower Upper

91 100

120 22.8 0.0 45.8





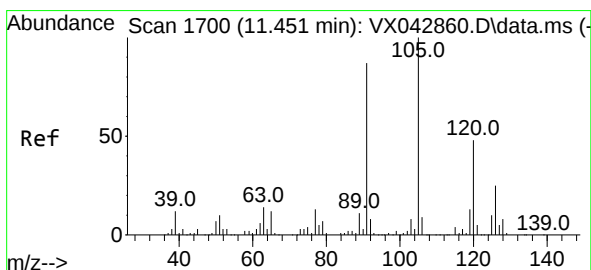
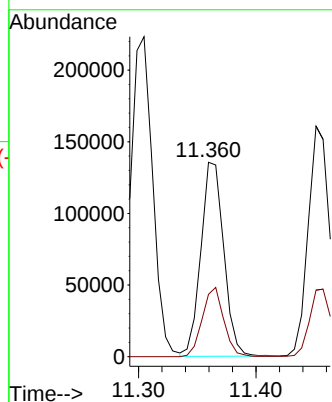
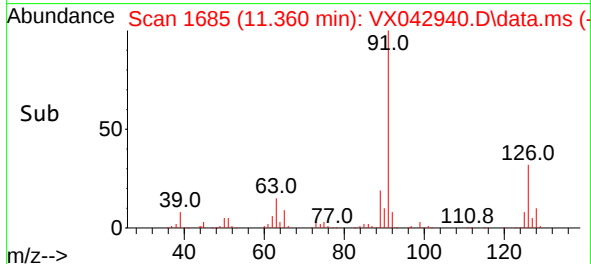
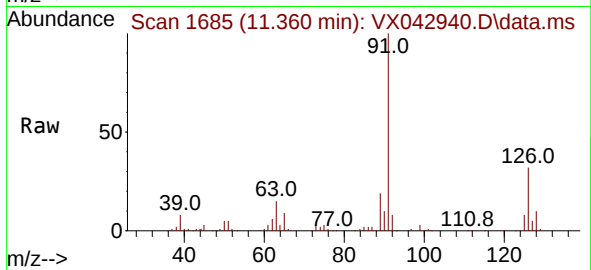
#75  
2-Chlorotoluene  
Concen: 20.541 ug/l  
RT: 11.360 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 91 Resp: 18356  
Ion Ratio Lower Upper  
91 100  
126 33.4 0.0 66.2

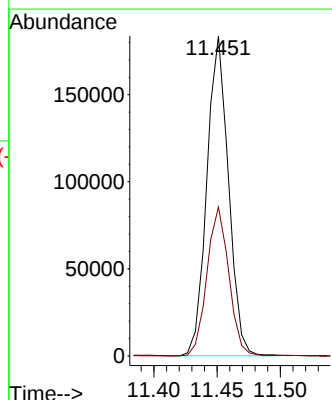
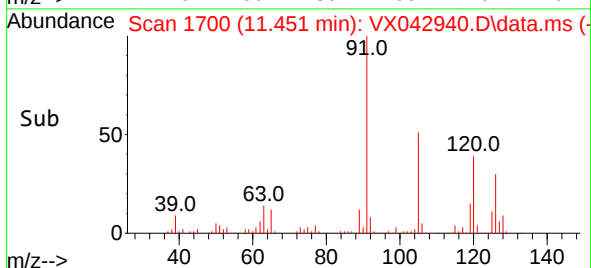
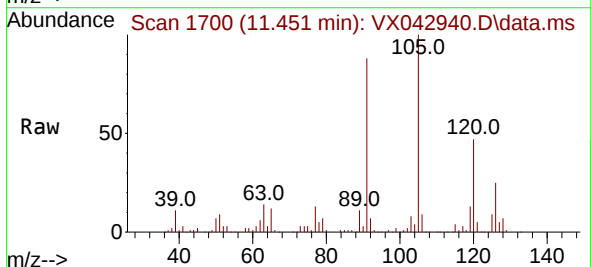
Manual Integrations  
APPROVED

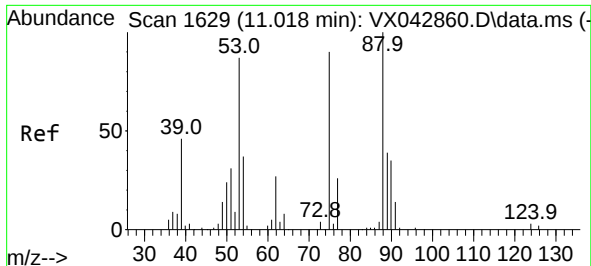
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#76  
1,3,5-Trimethylbenzene  
Concen: 20.541 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

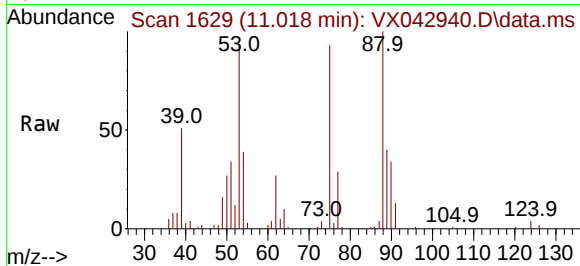
Tgt Ion:105 Resp: 217911  
Ion Ratio Lower Upper  
105 100  
120 47.1 0.0 94.8





#77  
t-1,4-Dichloro-2-butene  
Concen: 19.058 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

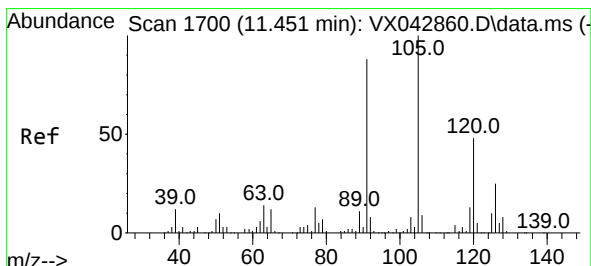
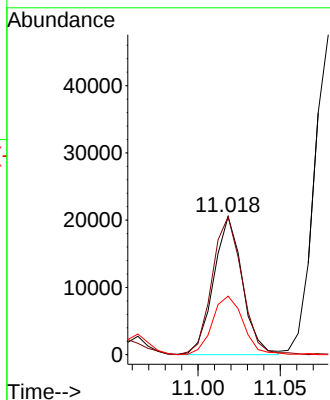
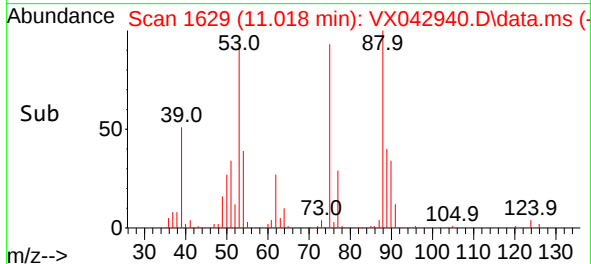
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 75 Resp: 24980  
Ion Ratio Lower Upper  
75 100  
53 100.4 48.5 145.5  
89 42.6 21.9 65.5

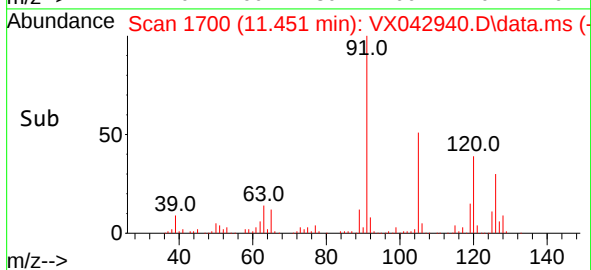
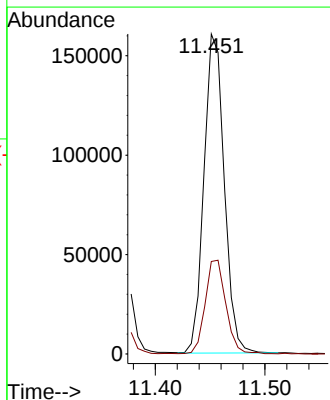
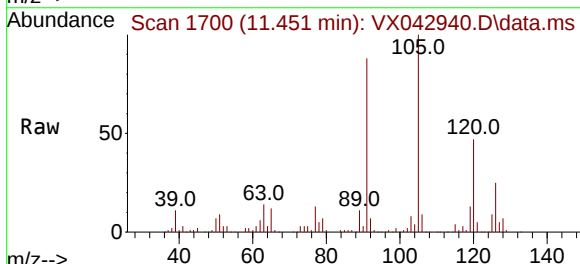
Manual Integrations  
APPROVED

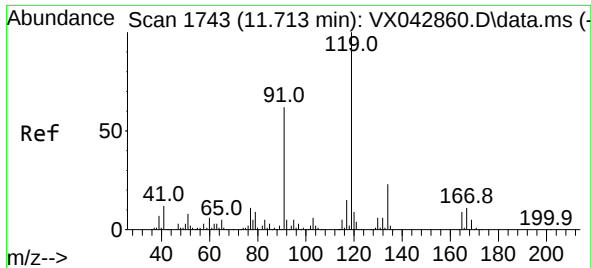
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#78  
4-Chlorotoluene  
Concen: 20.120 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

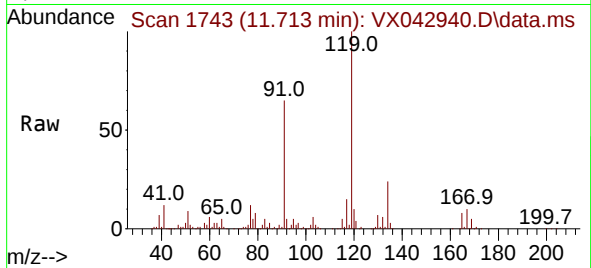
Tgt Ion: 91 Resp: 206214  
Ion Ratio Lower Upper  
91 100  
126 29.8 0.0 59.4





#79  
tert-butylbenzene  
Concen: 20.235 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

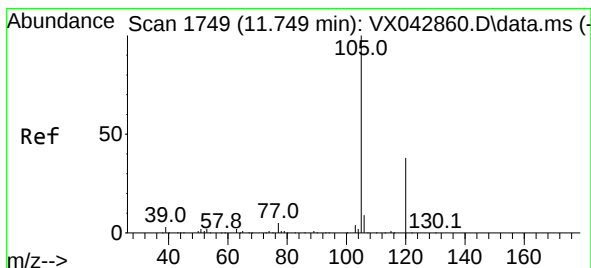
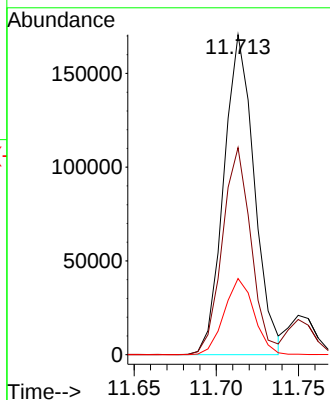
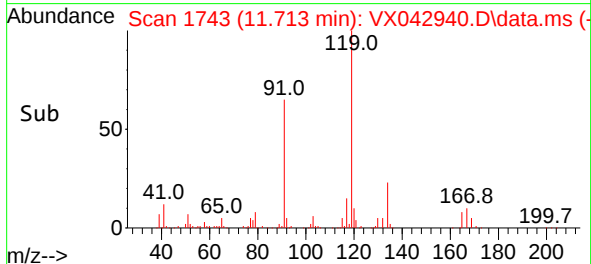
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



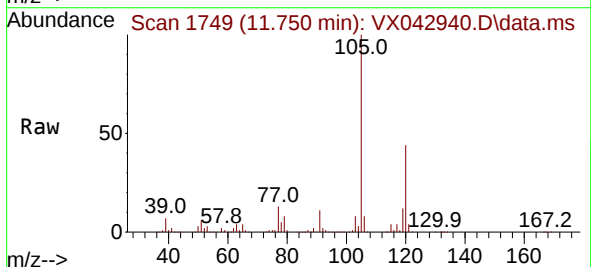
Tgt Ion:119 Resp: 22026  
Ion Ratio Lower Upper  
119 100  
91 61.3 0.0 118.6  
134 23.4 0.0 44.4

Manual Integrations  
APPROVED

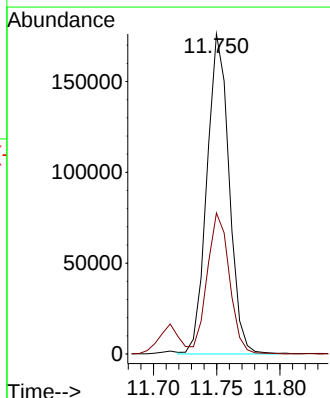
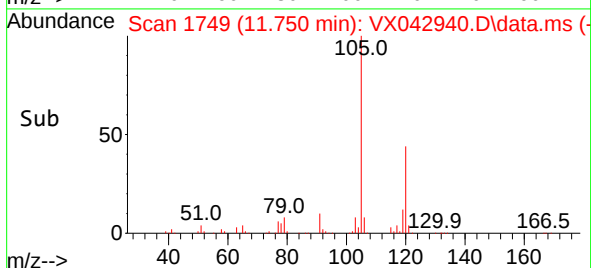
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024

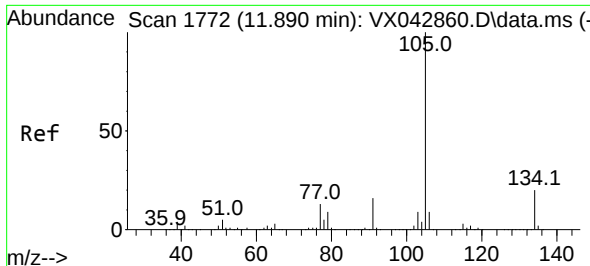


#80  
1,2,4-Trimethylbenzene  
Concen: 20.537 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20



Tgt Ion:105 Resp: 214937  
Ion Ratio Lower Upper  
105 100  
120 43.8 0.0 87.8





#81  
 sec-Butylbenzene  
 Concen: 20.502 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX042940.D  
 Acq: 08 Aug 2024 09:20

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

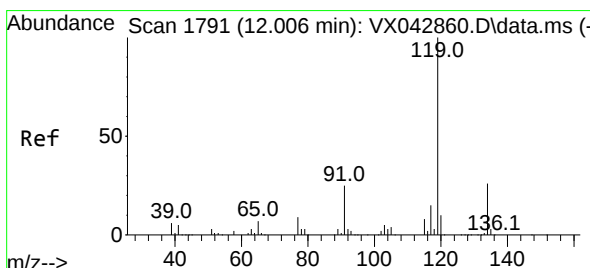
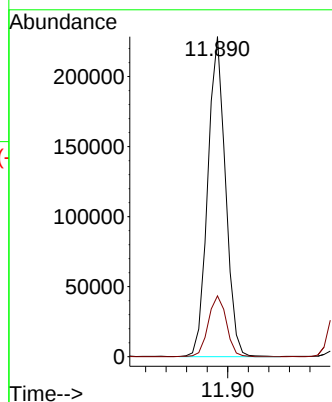
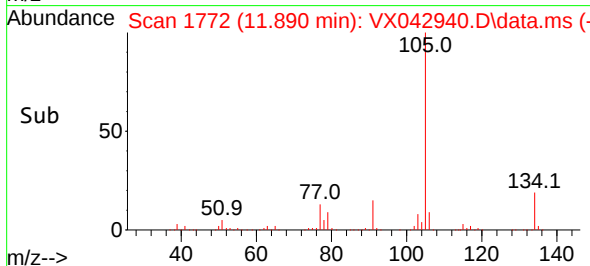
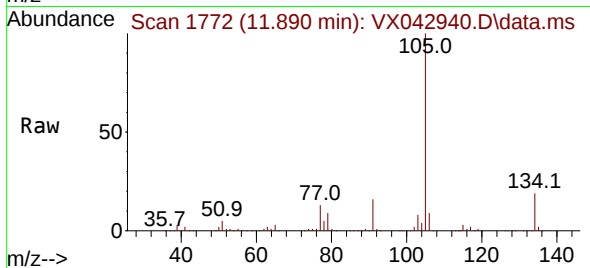
Tgt Ion:105 Resp: 273524  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 0.0 40.0

Manual Integrations

APPROVED

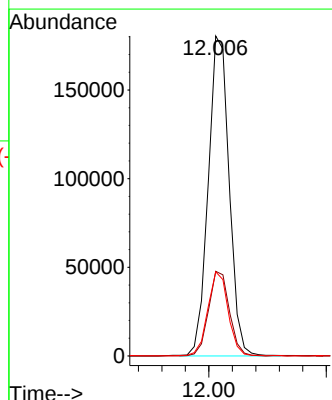
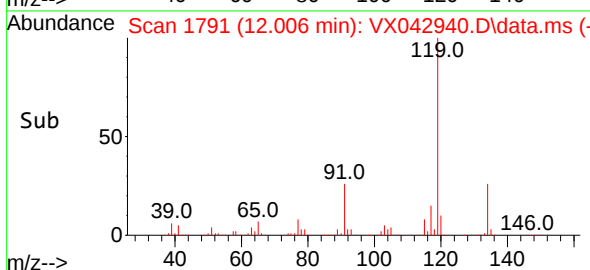
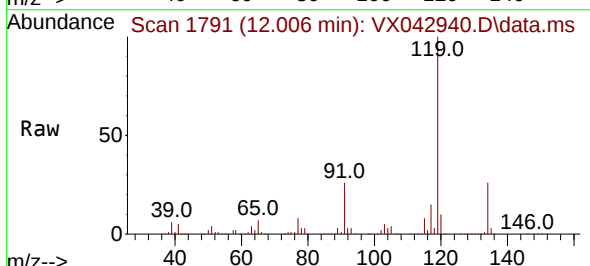
Reviewed By :John Carlone 08/08/2024

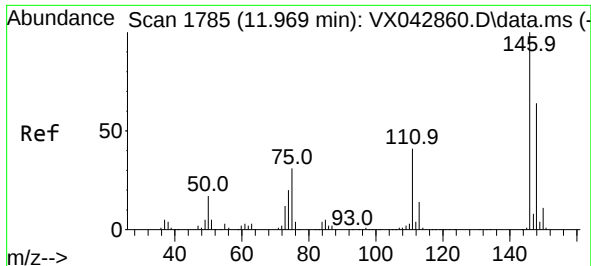
Supervised By :Mahesh Dadoda 08/09/2024



#82  
 p-Isopropyltoluene  
 Concen: 19.980 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. 0.000 min  
 Lab File: VX042940.D  
 Acq: 08 Aug 2024 09:20

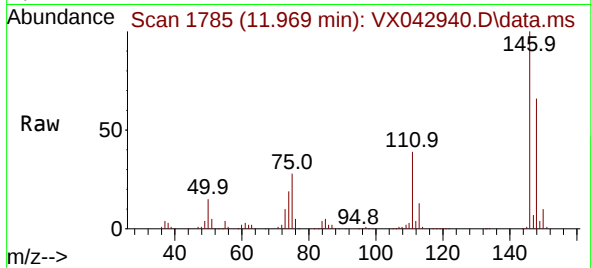
Tgt Ion:119 Resp: 223229  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 0.0 51.8  
 91 25.5 0.0 48.4





#83  
1,3-Dichlorobenzene  
Concen: 20.014 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

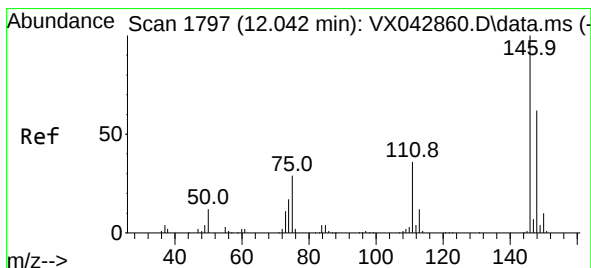
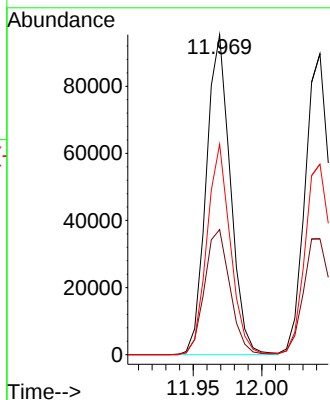
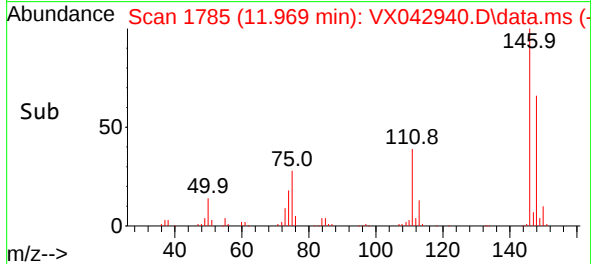
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



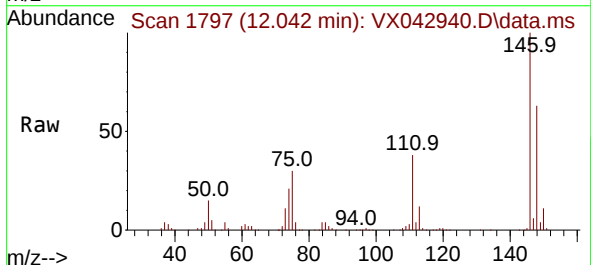
Tgt Ion:146 Resp: 11715  
Ion Ratio Lower Upper  
146 100  
111 40.5 20.3 61.0  
148 63.8 31.7 95.1

Manual Integrations  
APPROVED

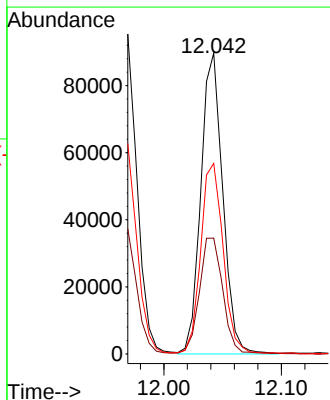
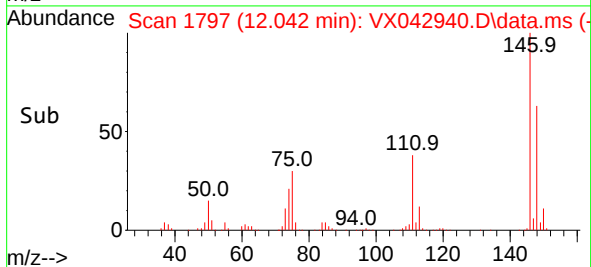
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024

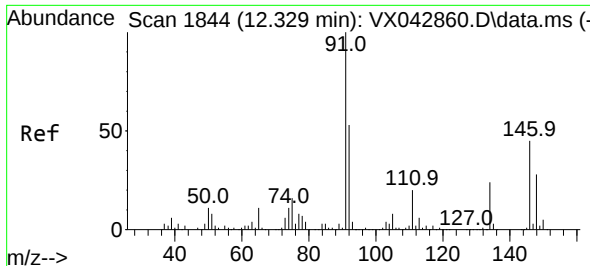


#84  
1,4-Dichlorobenzene  
Concen: 19.720 ug/l  
RT: 12.042 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20



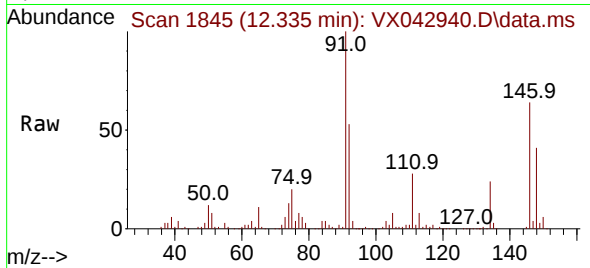
Tgt Ion:146 Resp: 116054  
Ion Ratio Lower Upper  
146 100  
111 40.0 19.4 58.4  
148 64.9 31.4 94.2





#85  
n-Butylbenzene  
Concen: 18.395 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.006 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

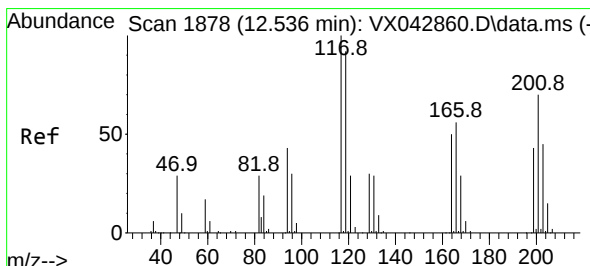
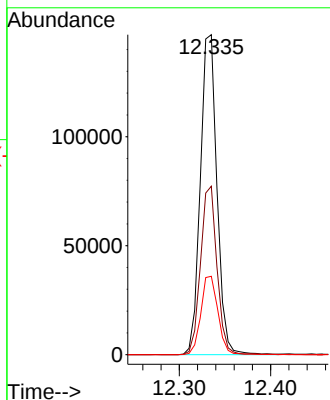
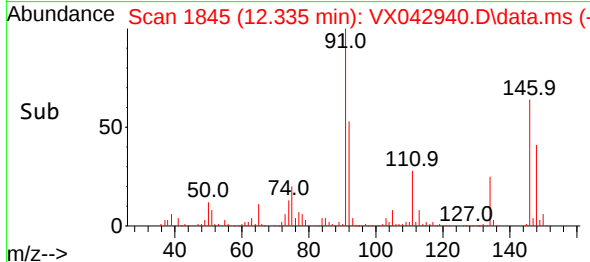
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 91 Resp: 18523  
Ion Ratio Lower Upper  
91 100  
92 51.9 0.0 106.4  
134 25.2 0.0 50.6

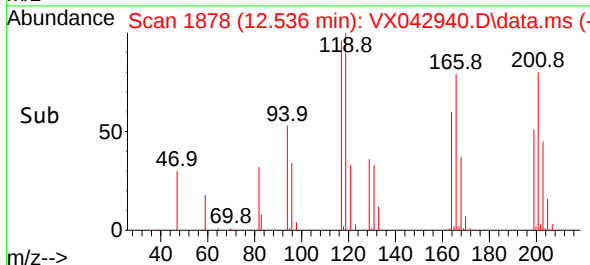
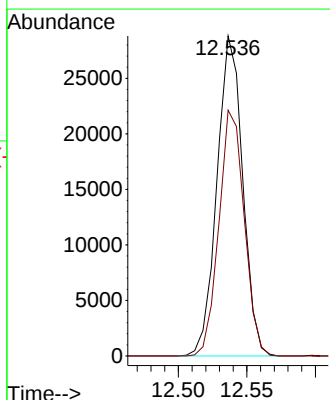
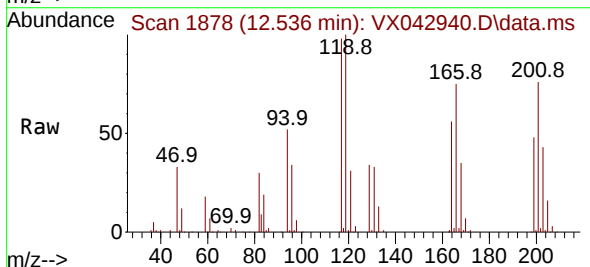
Manual Integrations  
APPROVED

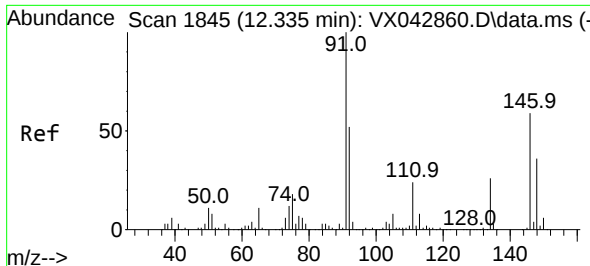
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#86  
Hexachloroethane  
Concen: 18.636 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion:117 Resp: 37578  
Ion Ratio Lower Upper  
117 100  
201 75.6 37.5 112.7





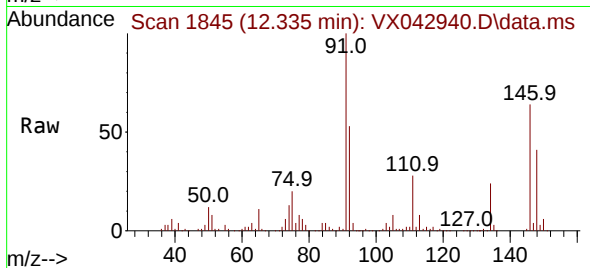
#87  
1,2-Dichlorobenzene  
Concen: 20.151 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020



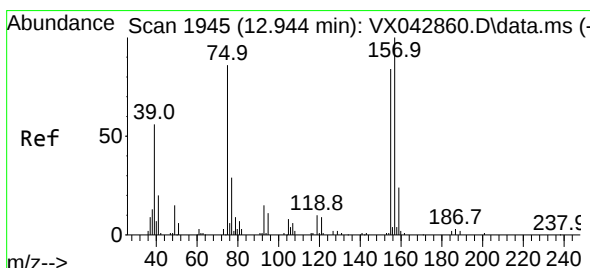
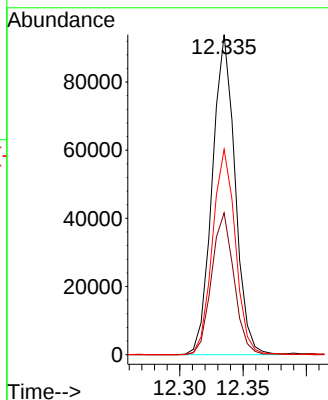
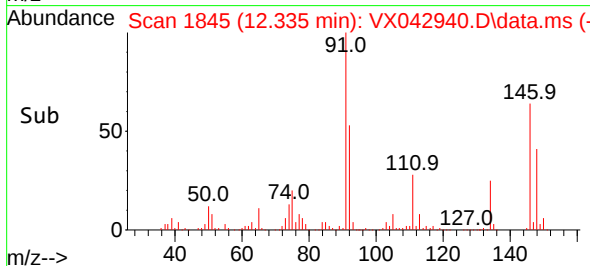
Tgt Ion:146 Resp: 117500  
Ion Ratio Lower Upper  
146 100  
111 43.6 21.0 63.0  
148 64.4 30.8 92.4

Manual Integrations

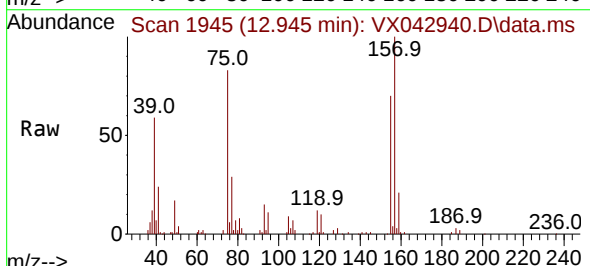
APPROVED

Reviewed By :John Carlone 08/08/2024

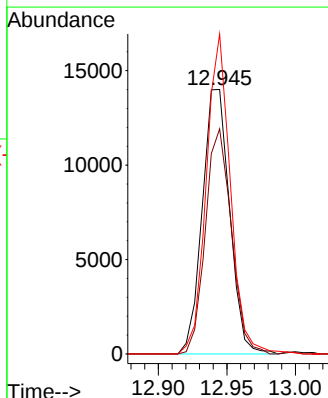
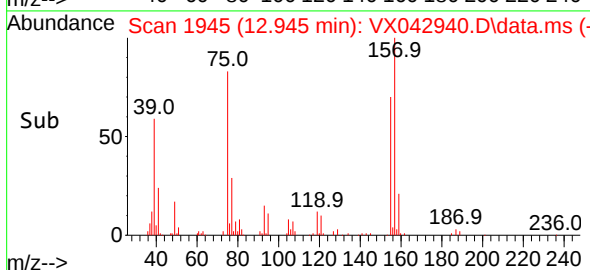
Supervised By :Mahesh Dadoda 08/09/2024

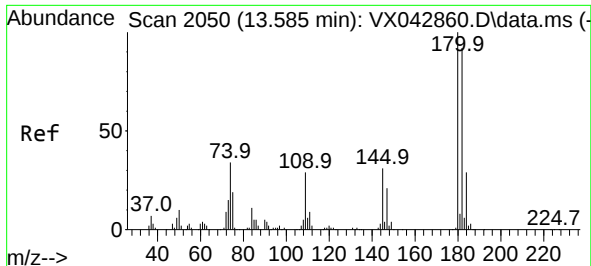


#88  
1,2-Dibromo-3-Chloropropane  
Concen: 19.082 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20



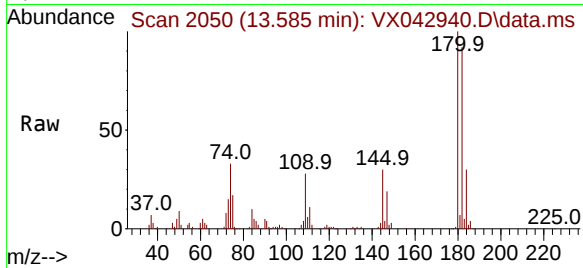
Tgt Ion: 75 Resp: 19460  
Ion Ratio Lower Upper  
75 100  
155 81.1 68.7 103.1  
157 106.8 86.7 130.1





#89  
1,2,4-Trichlorobenzene  
Concen: 18.911 ug/l  
RT: 13.585 min Scan# 2050  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

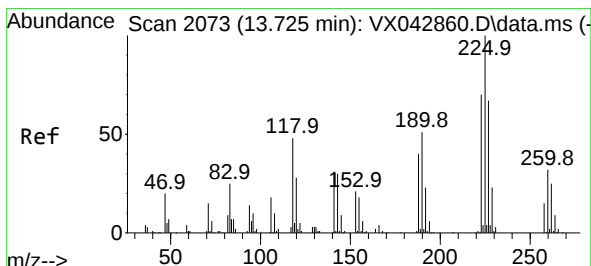
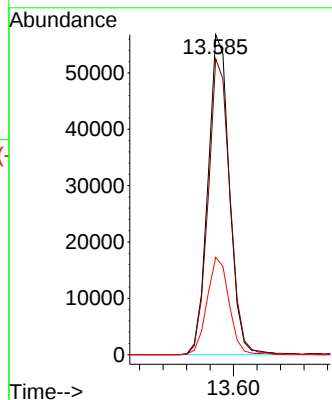
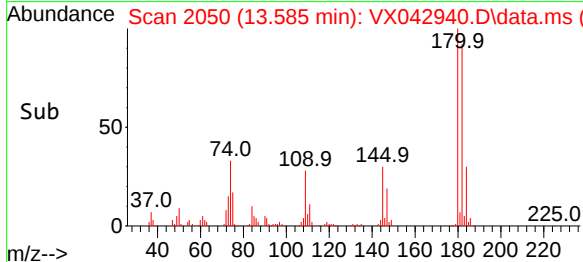
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion:180 Resp: 7174  
Ion Ratio Lower Upper  
180 100  
182 94.2 73.1 109.7  
145 31.1 24.6 37.0

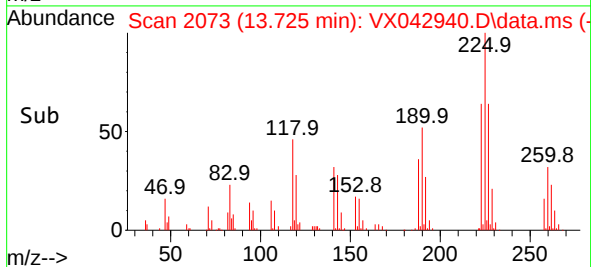
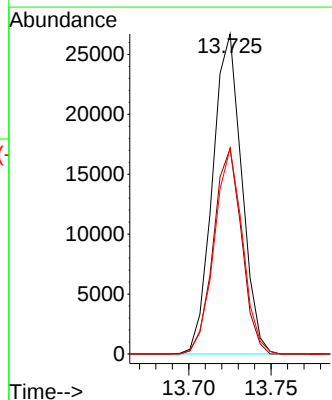
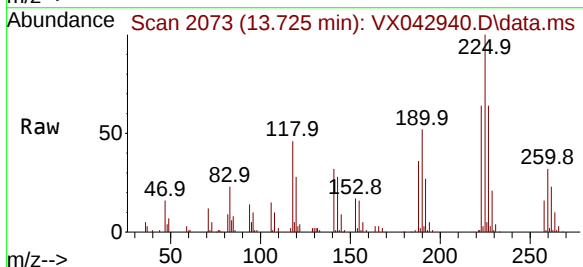
Manual Integrations  
APPROVED

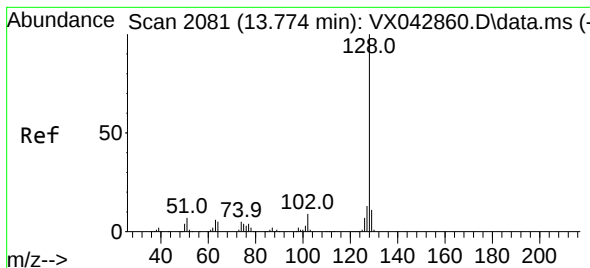
Reviewed By :John Carlone 08/08/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#90  
Hexachlorobutadiene  
Concen: 20.074 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX042940.D  
Acq: 08 Aug 2024 09:20

Tgt Ion:225 Resp: 32910  
Ion Ratio Lower Upper  
225 100  
223 62.1 0.0 135.0  
227 62.4 0.0 130.4





#91

Naphthalene

Concen: 19.452 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX042940.D

Acq: 08 Aug 2024 09:20

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

Tgt Ion:128 Resp: 24842

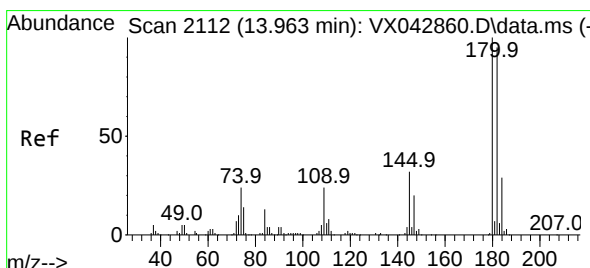
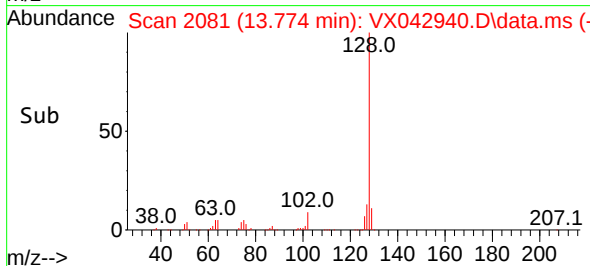
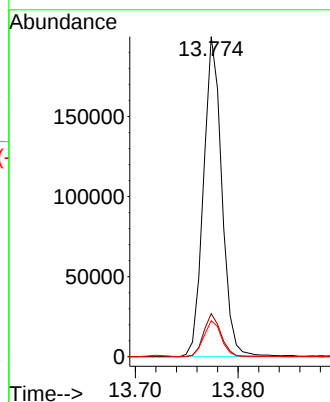
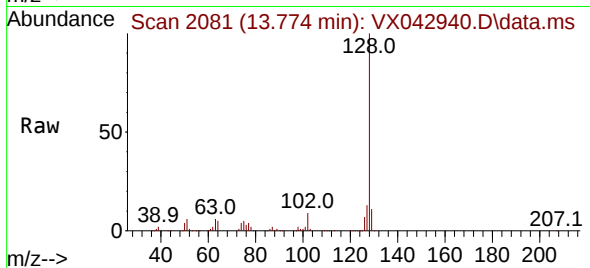
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.6  | 10.2  | 15.4  |
| 129 | 10.9  | 8.8   | 13.2  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2024

Supervised By :Mahesh Dadoda 08/09/2024



#92

1,2,3-Trichlorobenzene

Concen: 19.647 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX042940.D

Acq: 08 Aug 2024 09:20

Tgt Ion:180 Resp: 75268

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 92.0  | 0.0   | 185.8 |
| 145 | 33.0  | 0.0   | 65.2  |

