

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082025\  
 Data File : VN087603.D  
 Acq On : 20 Aug 2025 08:58  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/21/2025  
 Supervised By : Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 02:38:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N080525W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 06 02:01:21 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 7.800          | 128  | 57702      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.082          | 114  | 317393     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.847         | 117  | 285286     | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.559          | 65   | 154828     | 29.091   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 96.967%  |        |          |
| 60) 4-Bromofluorobenzene     | 12.829         | 95   | 143397     | 29.208   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 97.367%  |        |          |
| 63) Toluene-d8               | 10.547         | 98   | 400169     | 30.485   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 101.633% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 64994      | 17.252   | ug/l   | 96       |
| 3) Chloromethane             | 2.389          | 50   | 65645      | 16.983   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.542          | 62   | 74097      | 18.074   | ug/l   | 99       |
| 5) Bromomethane              | 2.983          | 94   | 32239      | 14.529   | ug/l   | 83       |
| 6) Chloroethane              | 3.136          | 64   | 48200      | 18.233   | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 3.506          | 101  | 107504     | 18.221   | ug/l   | 100      |
| 8) Diethyl Ether             | 3.959          | 74   | 47338      | 19.259   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 61471      | 20.431   | ug/l   | 69       |
| 10) 1,1-Dichloroethene       | 4.330          | 96   | 58689      | 18.571   | ug/l   | 92       |
| 11) Methyl Iodide            | 4.583          | 142  | 28286m     | 11.367   | ug/l   |          |
| 12) Methyl Acetate           | 5.018          | 43   | 114130     | 19.570   | ug/l   | 94       |
| 13) Acrolein                 | 4.171          | 56   | 117000     | 131.353  | ug/l   | 100      |
| 14) Acrylonitrile            | 5.706          | 53   | 222230     | 87.265   | ug/l   | 98       |
| 15) Acetone                  | 4.424          | 58   | 85509      | 117.518  | ug/l   | 97       |
| 16) Carbon Disulfide         | 4.700          | 76   | 160975     | 16.421   | ug/l # | 94       |
| 17) Allyl chloride           | 5.006          | 41   | 103244     | 16.028   | ug/l   | 95       |
| 18) Methylene Chloride       | 5.265          | 84   | 74219      | 18.243   | ug/l   | 91       |
| 19) trans-1,2-Dichloroethene | 5.765          | 96   | 64181      | 17.078   | ug/l   | 96       |
| 20) Diisopropyl ether        | 6.659          | 45   | 250003     | 17.037   | ug/l   | 98       |
| 21) 1,1-Dichloroethane       | 6.559          | 63   | 130342     | 17.184   | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 7.471          | 96   | 80780      | 17.469   | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 5.524          | 59   | 86789      | 80.203   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.789          | 73   | 243546     | 16.912   | ug/l   | 97       |
| 25) Chloroform               | 7.947          | 83   | 140528     | 17.749   | ug/l   | 99       |
| 26) Cyclohexane              | 8.241          | 56   | 102230     | 16.833   | ug/l # | 94       |
| 29) 1,1-Dichloropropene      | 8.353          | 75   | 88541      | 17.104   | ug/l   | 98       |
| 30) 2-Butanone               | 7.471          | 43   | 341108     | 89.393   | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.477          | 77   | 120550     | 18.055   | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 115174     | 17.444   | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 8.341          | 117  | 95298      | 17.375   | ug/l   | 96       |
| 34) Benzene                  | 8.588          | 78   | 286111     | 17.509   | ug/l   | 98       |
| 35) Methacrylonitrile        | 7.765          | 41   | 65681      | 15.951   | ug/l   | 93       |
| 36) 1,2-Dichloroethane       | 8.653          | 62   | 113054     | 17.117   | ug/l   | 100      |
| 37) Trichloroethene          | 9.335          | 130  | 64850      | 18.016   | ug/l   | 100      |
| 38) Methylcyclohexane        | 9.582          | 83   | 100808     | 16.786   | ug/l   | 98       |
| 39) 1,2-Dichloropropane      | 9.606          | 63   | 73002      | 17.424   | ug/l   | 98       |
| 40) Dibromomethane           | 9.688          | 93   | 54522      | 17.344   | ug/l   | 95       |
| 41) Bromodichloromethane     | 9.871          | 83   | 113859     | 17.431   | ug/l   | 92       |
| 42) Vinyl Acetate            | 6.589          | 43   | 1022354    | 81.357   | ug/l   | 98       |

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 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Manual Integrations  
 APPROVED

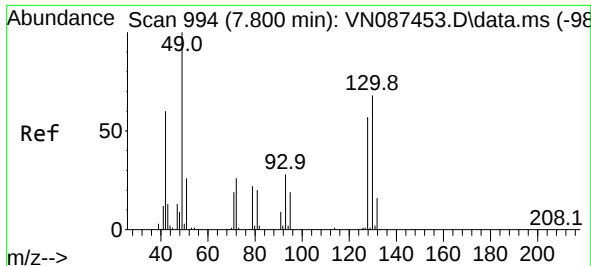
Reviewed By : John Carlone 08/21/2025  
 Supervised By : Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 02:38:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N080525W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 06 02:01:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.547  | 43   | 126086   | 17.104  | ug/l   | 99       |
| 44) Isopropyl Acetate         | 8.677  | 43   | 208274   | 16.667  | ug/l   | 98       |
| 45) 1,4-Dioxane               | 9.682  | 88   | 30660m   | 384.881 | ug/l   |          |
| 46) Methyl methacrylate       | 9.665  | 41   | 95204    | 16.140  | ug/l   | 97       |
| 47) n-amyl Acetate            | 12.688 | 43   | 142320m  | 20.617  | ug/l   |          |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 119093   | 16.758  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 123512   | 17.270  | ug/l   | 95       |
| 50) 1,1,2-Trichloroethane     | 10.994 | 97   | 72151    | 18.166  | ug/l   | 95       |
| 51) Ethyl methacrylate        | 10.859 | 69   | 116788   | 16.696  | ug/l   | 90       |
| 52) 1,3-Dichloropropane       | 11.141 | 76   | 124808   | 17.442  | ug/l   | 98       |
| 53) Dibromochloromethane      | 11.341 | 129  | 79944    | 17.429  | ug/l   | 98       |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 72831    | 17.274  | ug/l   | 96       |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 321490   | 87.306  | ug/l   | 99       |
| 56) Bromoform                 | 12.559 | 173  | 50513    | 16.650  | ug/l # | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.424 | 43   | 642892   | 87.601  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.176 | 43   | 426791   | 85.590  | ug/l   | 99       |
| 61) Tetrachloroethene         | 11.082 | 164  | 52177    | 18.773  | ug/l   | 97       |
| 62) Toluene                   | 10.612 | 91   | 311784   | 17.707  | ug/l   | 100      |
| 64) Chlorobenzene             | 11.871 | 112  | 192641   | 17.805  | ug/l   | 97       |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 68728    | 18.067  | ug/l   | 97       |
| 66) Ethyl Benzene             | 11.941 | 91   | 336747   | 17.159  | ug/l   | 97       |
| 67) m/p-Xylenes               | 12.053 | 106  | 254623   | 35.346  | ug/l   | 96       |
| 68) o-Xylene                  | 12.376 | 106  | 119101   | 16.805  | ug/l   | 99       |
| 69) Styrene                   | 12.388 | 104  | 208652   | 17.242  | ug/l   | 98       |
| 70) Isopropylbenzene          | 12.676 | 105  | 313834   | 17.430  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 109327   | 17.721  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 12.970 | 75   | 96794m   | 16.842  | ug/l   |          |
| 73) Bromobenzene              | 12.959 | 156  | 75330    | 18.048  | ug/l   | 95       |
| 74) n-propylbenzene           | 13.012 | 91   | 395838   | 17.603  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 233365   | 16.871  | ug/l   | 95       |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 265756   | 17.239  | ug/l   | 96       |
| 77) t-1,4-Dichloro-2-butene   | 12.718 | 75   | 34633    | 15.919  | ug/l   | 88       |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 234404   | 16.723  | ug/l   | 100      |
| 79) tert-butylbenzene         | 13.417 | 119  | 225259   | 17.330  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 273098   | 17.728  | ug/l   | 98       |
| 81) sec-Butylbenzene          | 13.594 | 105  | 337055   | 17.813  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 271115   | 17.256  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 144826   | 18.221  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.794 | 146  | 148953   | 18.485  | ug/l   | 97       |
| 85) n-Butylbenzene            | 14.035 | 91   | 269017   | 17.501  | ug/l   | 98       |
| 86) Hexachloroethane          | 14.306 | 117  | 52196    | 17.013  | ug/l   | 95       |
| 87) 1,2-Dichlorobenzene       | 14.082 | 146  | 139471   | 18.383  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 27550    | 17.628  | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene    | 15.811 | 180  | 78757    | 17.369  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 15.470 | 225  | 29180    | 16.550  | ug/l   | 95       |
| 91) Naphthalene               | 15.611 | 128  | 291130   | 16.839  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 78757    | 17.369  | ug/l   | 98       |

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





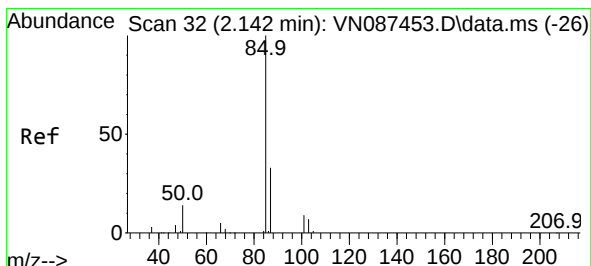
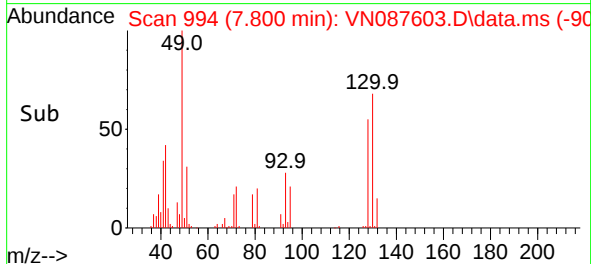
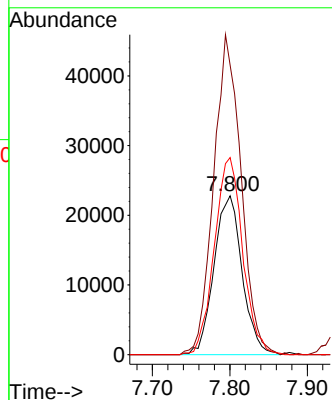
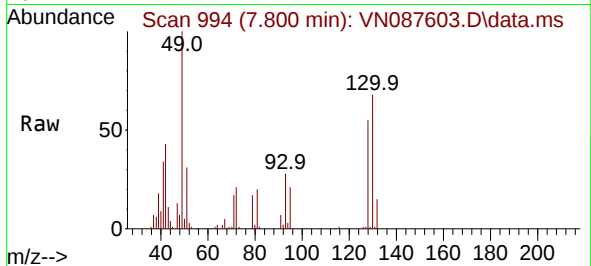
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.800 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion:128 Resp: 57702  
Ion Ratio Lower Upper  
128 100  
49 195.6 0.0 494.8  
130 124.8 0.0 321.5

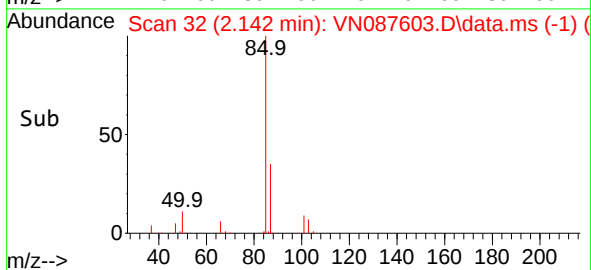
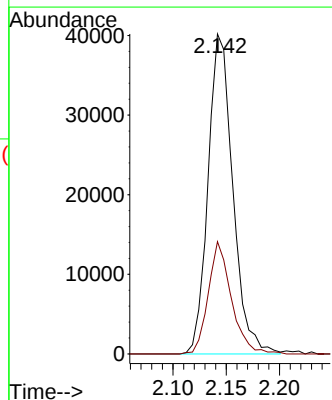
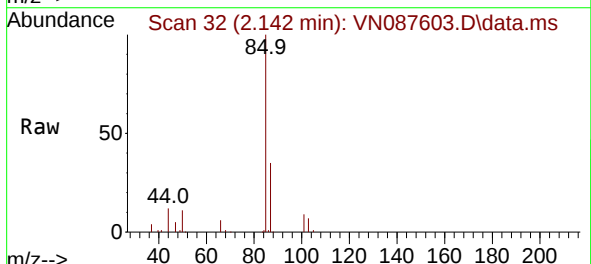
Manual Integrations  
APPROVED

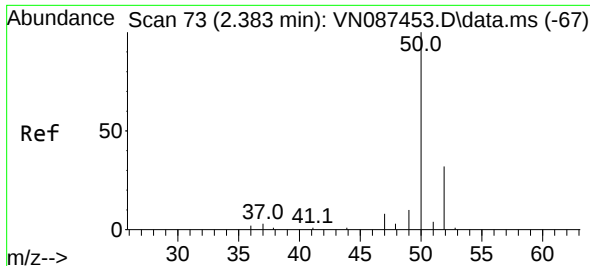
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#2  
Dichlorodifluoromethane  
Concen: 17.252 ug/l  
RT: 2.142 min Scan# 32  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Tgt Ion: 85 Resp: 64994  
Ion Ratio Lower Upper  
85 100  
87 35.1 16.4 49.2





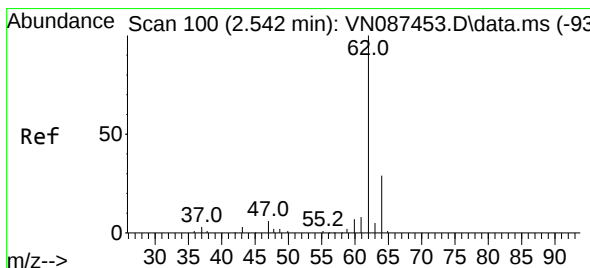
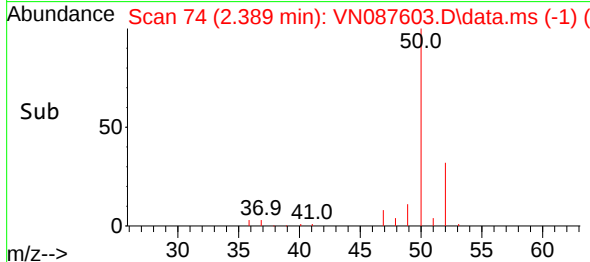
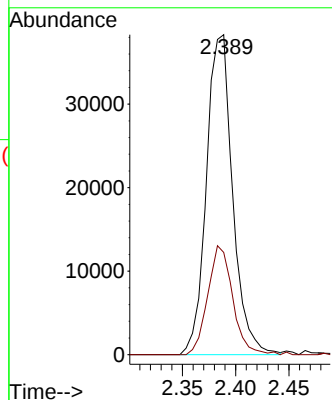
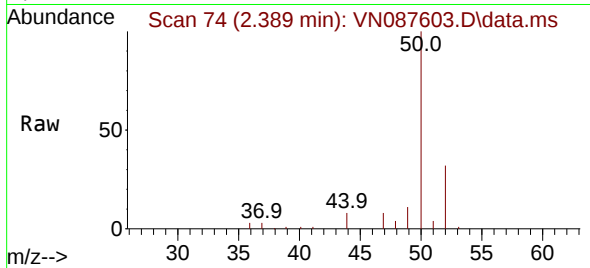
#3  
Chloromethane  
Concen: 16.983 ug/l  
RT: 2.389 min Scan# 74  
Delta R.T. 0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 50 Resp: 6564  
Ion Ratio Lower Upper  
50 100  
52 32.0 25.8 38.6

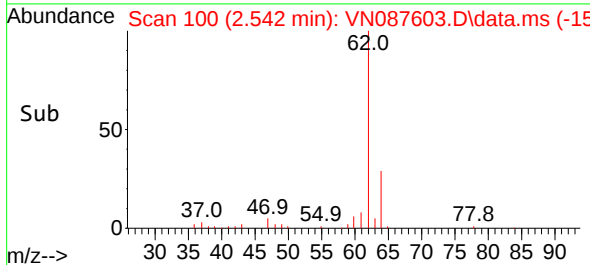
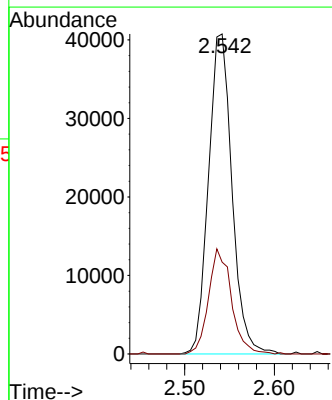
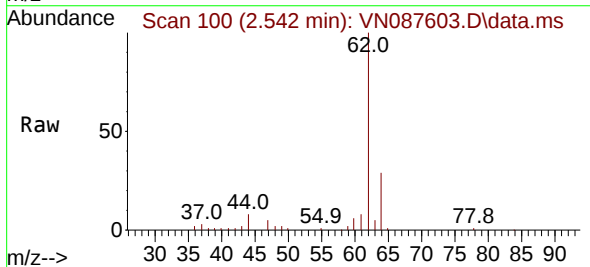
Manual Integrations  
APPROVED

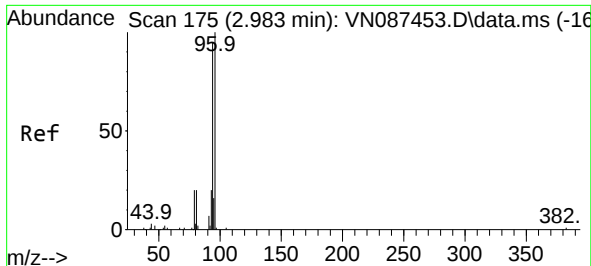
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#4  
Vinyl Chloride  
Concen: 18.074 ug/l  
RT: 2.542 min Scan# 100  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Tgt Ion: 62 Resp: 74097  
Ion Ratio Lower Upper  
62 100  
64 28.7 23.4 35.2





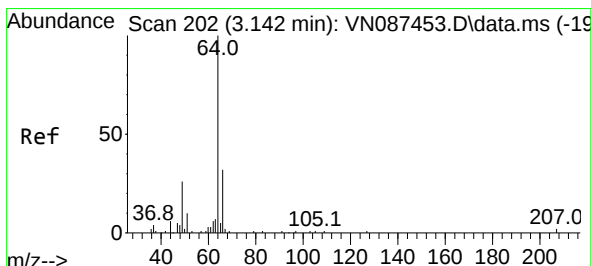
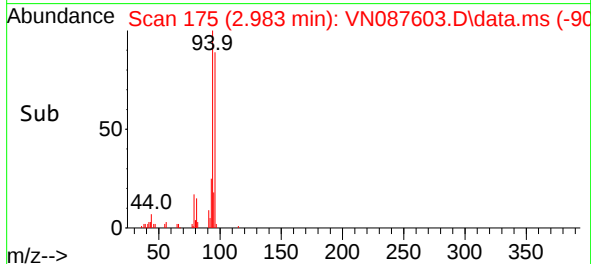
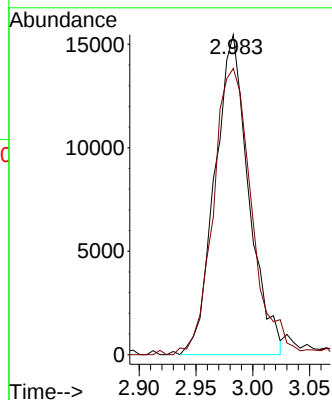
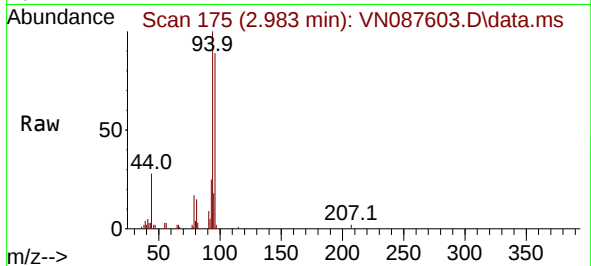
#5  
Bromomethane  
Concen: 14.529 ug/l  
RT: 2.983 min Scan# 175  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 94 Resp: 32239  
Ion Ratio Lower Upper  
94 100  
96 87.3 84.2 126.4

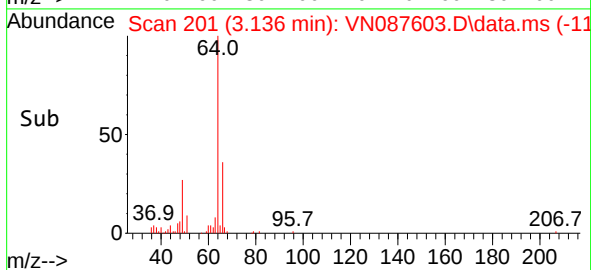
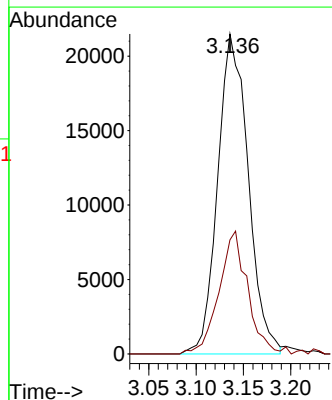
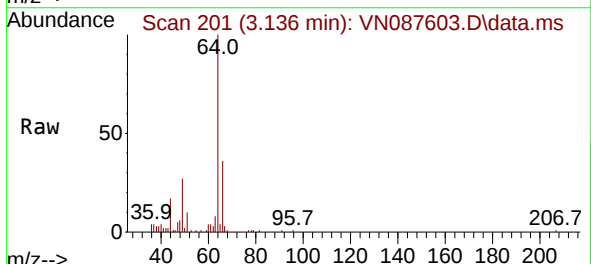
Manual Integrations  
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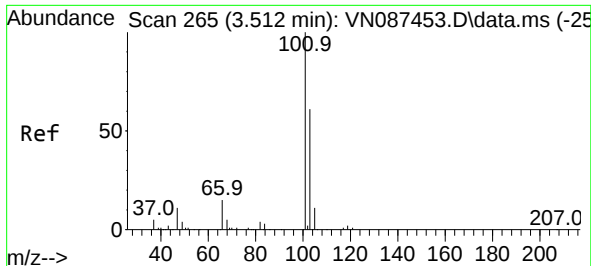
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#6  
Chloroethane  
Concen: 18.233 ug/l  
RT: 3.136 min Scan# 201  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Tgt Ion: 64 Resp: 48200  
Ion Ratio Lower Upper  
64 100  
66 35.6 25.4 38.0





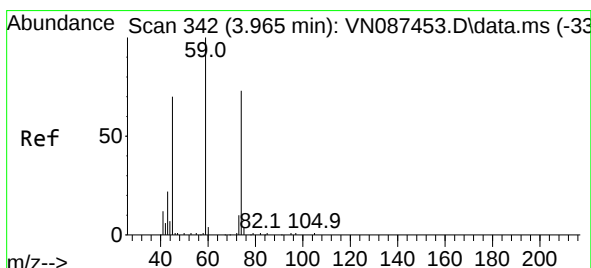
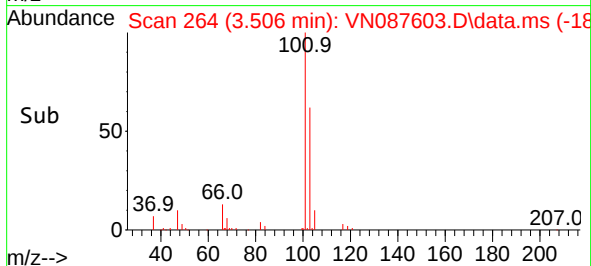
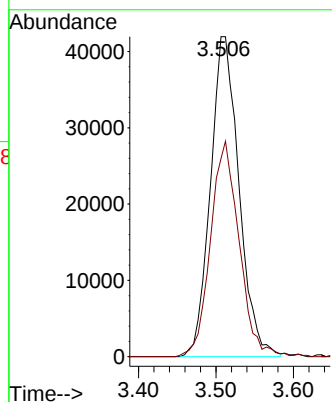
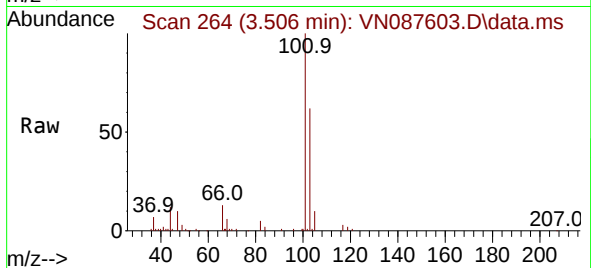
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Trichlorofluoromethane  
Concen: 18.221 ug/l  
RT: 3.506 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion:101 Resp: 107504  
Ion Ratio Lower Upper  
101 100  
103 61.5 49.2 73.8

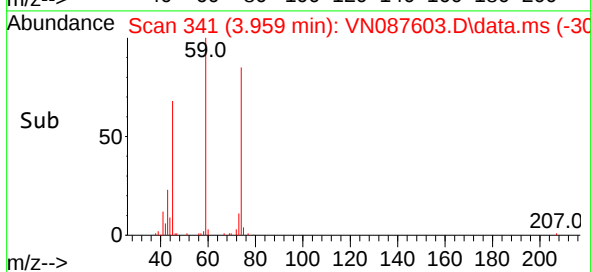
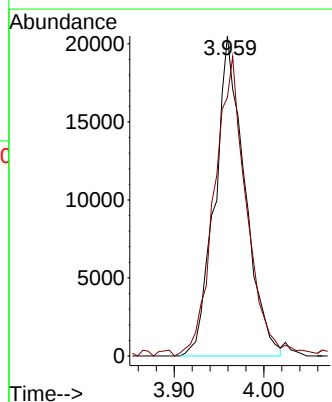
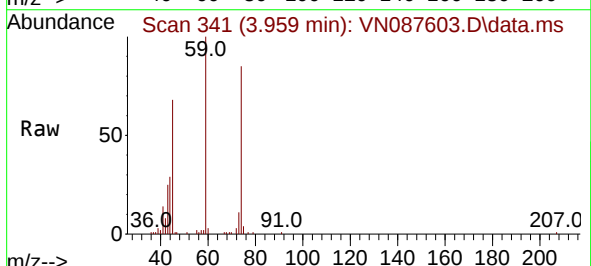
Manual Integrations  
APPROVED

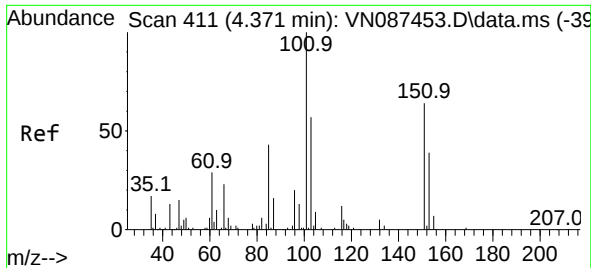
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#8  
Diethyl Ether  
Concen: 19.259 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Tgt Ion: 74 Resp: 47338  
Ion Ratio Lower Upper  
74 100  
45 99.1 20.1 180.9





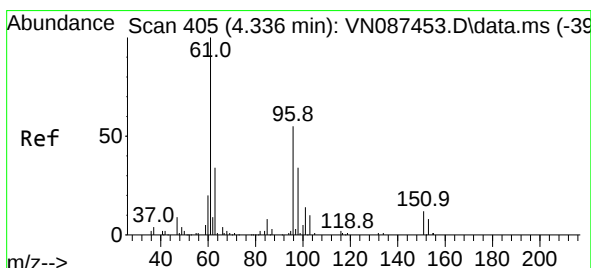
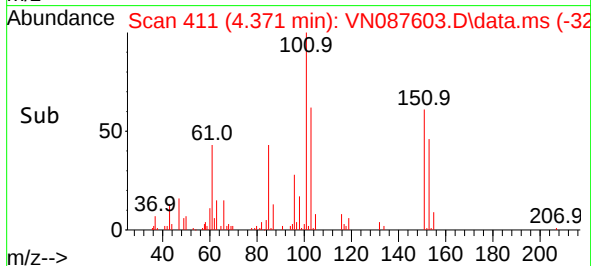
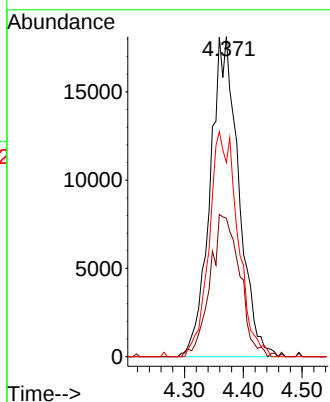
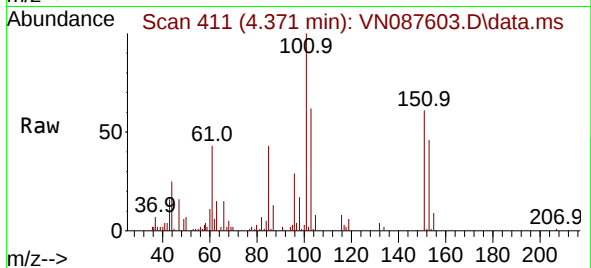
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.431 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion:101 Resp: 6147  
Ion Ratio Lower Upper  
101 100  
85 45.2 0.0 57.0  
151 42.7 0.0 134.2

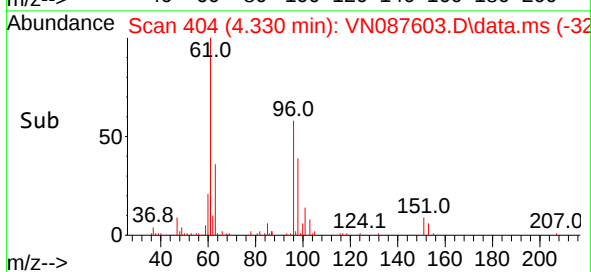
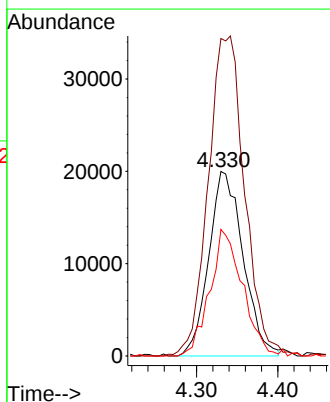
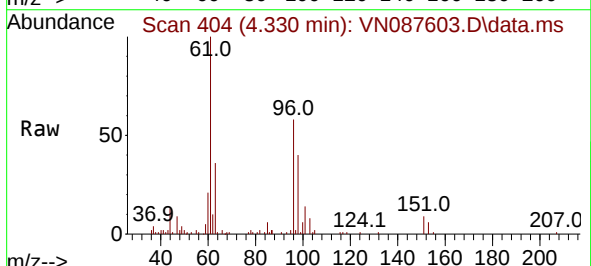
Manual Integrations  
APPROVED

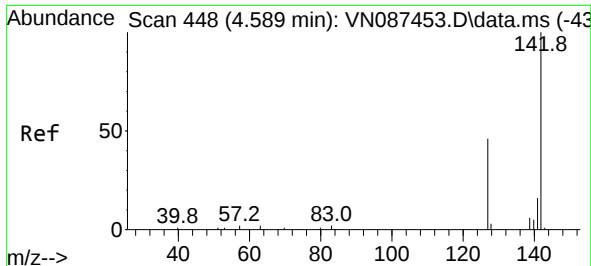
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#10  
1,1-Dichloroethene  
Concen: 18.571 ug/l  
RT: 4.330 min Scan# 404  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

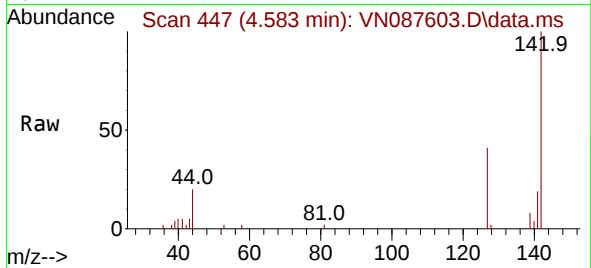
Tgt Ion: 96 Resp: 58689  
Ion Ratio Lower Upper  
96 100  
61 169.8 144.2 216.4  
98 68.6 49.7 74.5





#11  
Methyl Iodide  
Concen: 11.367 ug/l m  
RT: 4.583 min Scan# 448  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

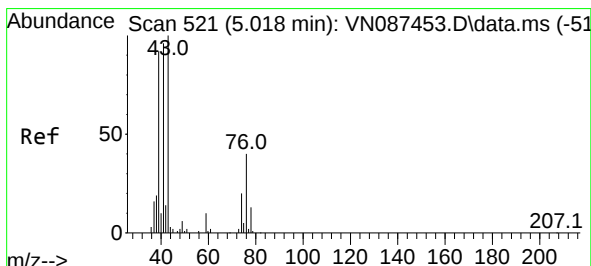
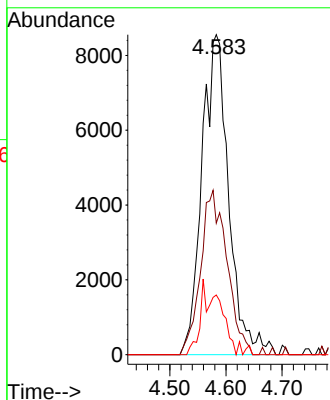
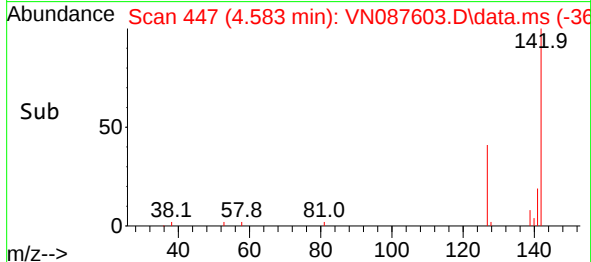
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion:142 Resp: 28280  
Ion Ratio Lower Upper  
142 100  
127 41.1 22.9 68.7  
141 18.6 7.7 23.1

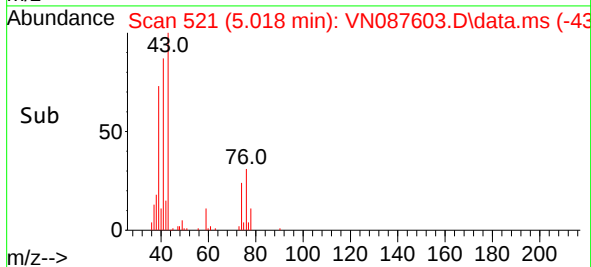
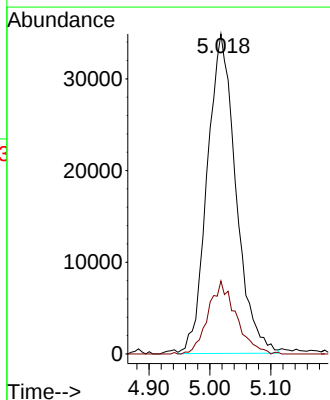
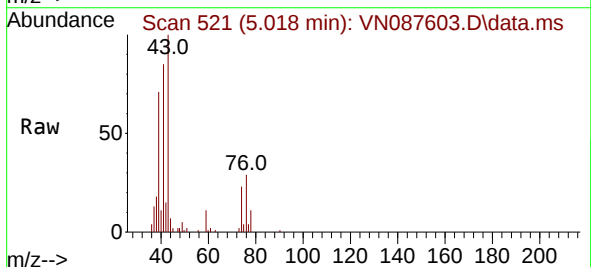
Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#12  
Methyl Acetate  
Concen: 19.570 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

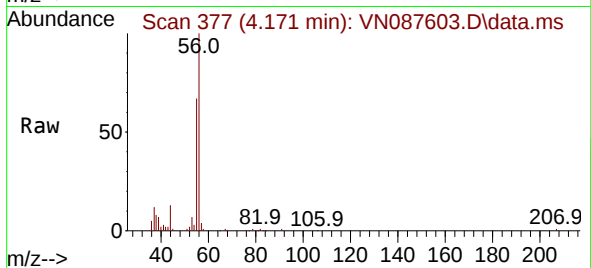
Tgt Ion: 43 Resp: 114130  
Ion Ratio Lower Upper  
43 100  
74 22.7 16.0 24.0





#13  
Acrolein  
Concen: 131.353 ug/l  
RT: 4.171 min Scan# 377  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

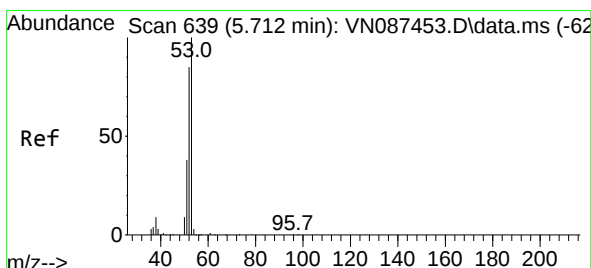
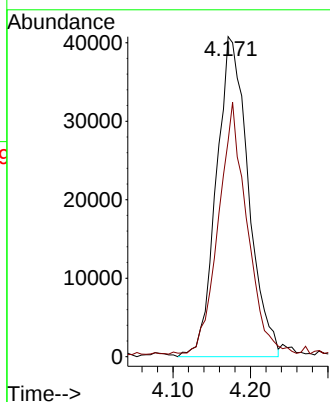
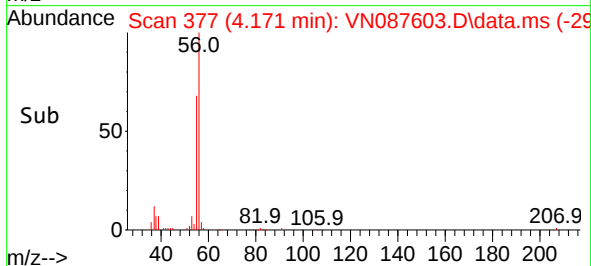
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



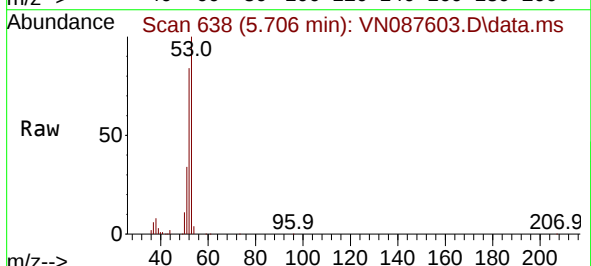
Tgt Ion: 56 Resp: 117000  
Ion Ratio Lower Upper  
56 100  
55 71.7 57.4 86.0

Manual Integrations  
APPROVED

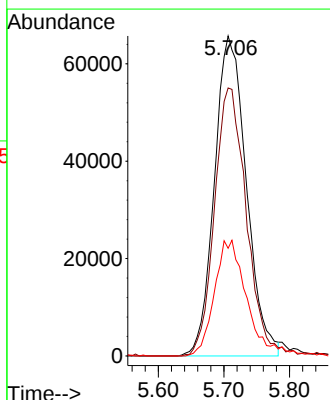
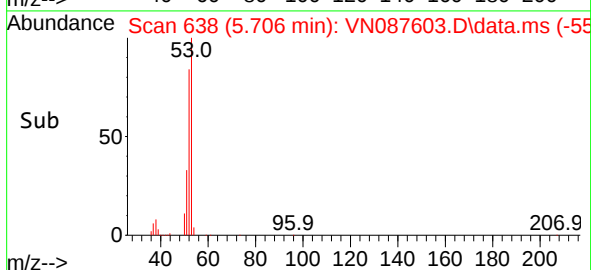
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#14  
Acrylonitrile  
Concen: 87.265 ug/l  
RT: 5.706 min Scan# 638  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



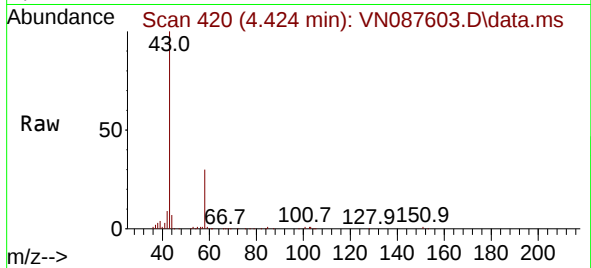
Tgt Ion: 53 Resp: 222230  
Ion Ratio Lower Upper  
53 100  
52 83.2 42.4 127.2  
51 35.1 18.5 55.5





#15  
Acetone  
Concen: 117.518 ug/l  
RT: 4.424 min Scan# 419  
Delta R.T. 0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

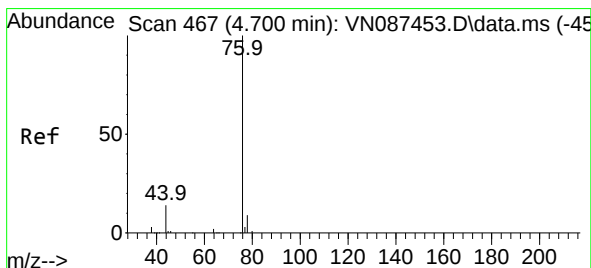
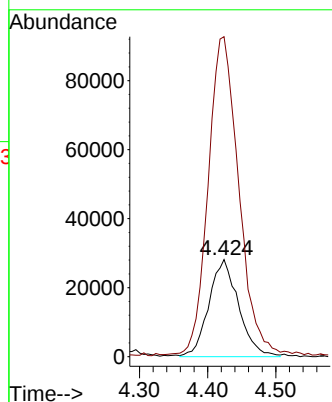
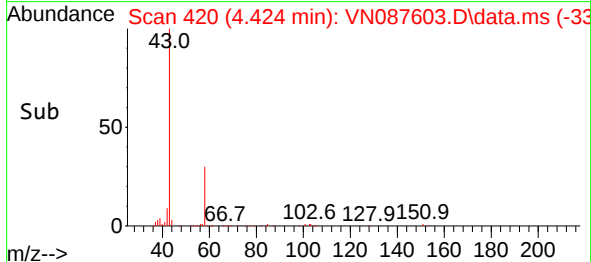
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 58 Resp: 85509  
Ion Ratio Lower Upper  
58 100  
43 330.0 268.9 403.3

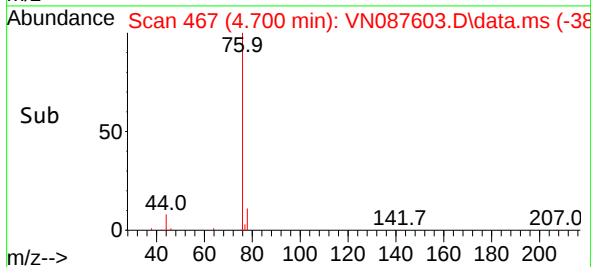
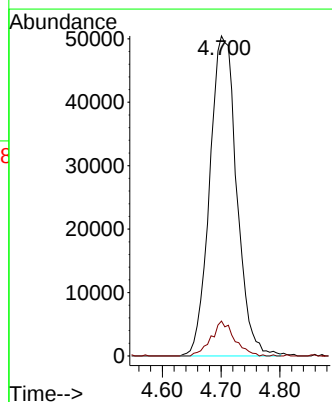
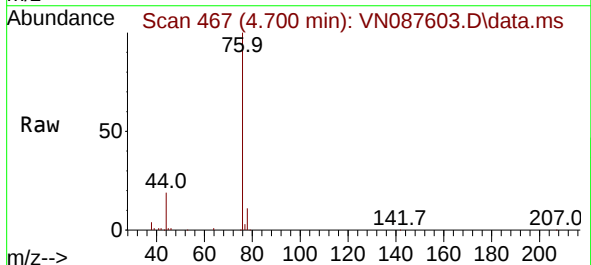
Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#16  
Carbon Disulfide  
Concen: 16.421 ug/l  
RT: 4.700 min Scan# 467  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

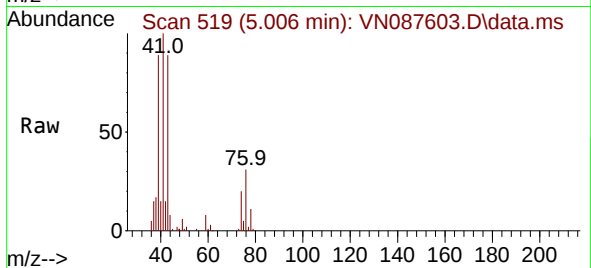
Tgt Ion: 76 Resp: 160975  
Ion Ratio Lower Upper  
76 100  
78 10.9 7.1 10.7#





#17  
Allyl chloride  
Concen: 16.028 ug/l  
RT: 5.006 min Scan# 519  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

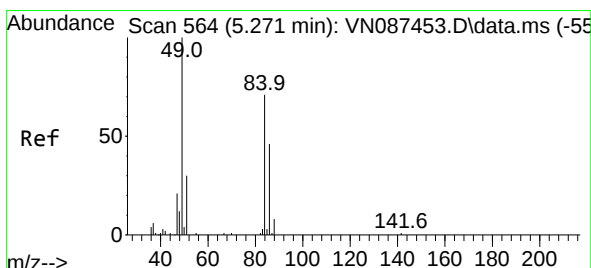
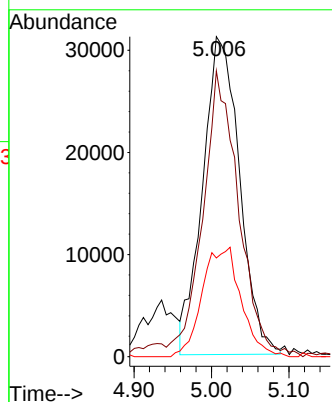
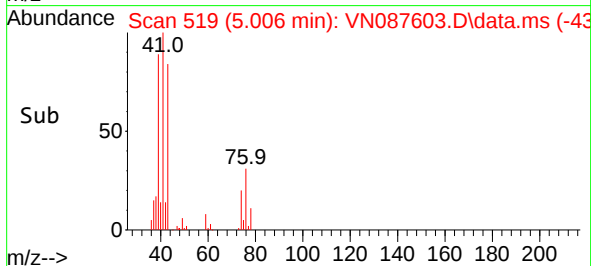
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 41 Resp: 103244  
Ion Ratio Lower Upper  
41 100  
39 89.5 42.4 127.2  
76 30.4 16.9 50.6

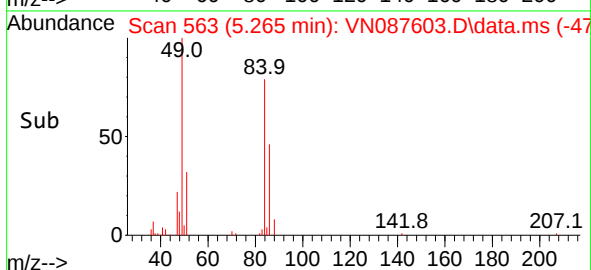
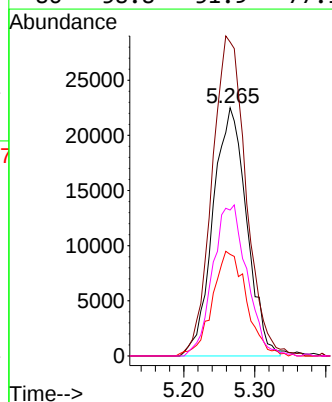
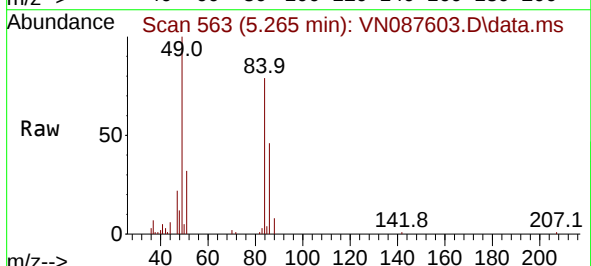
Manual Integrations  
APPROVED

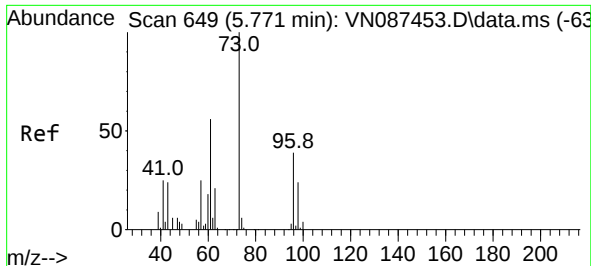
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#18  
Methylene Chloride  
Concen: 18.243 ug/l  
RT: 5.265 min Scan# 563  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

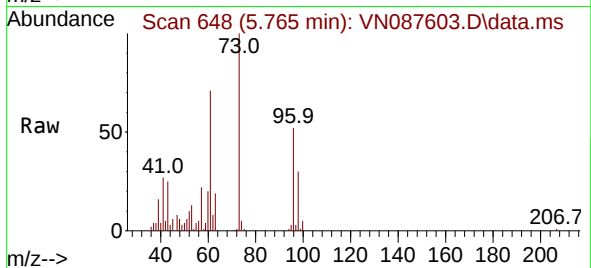
Tgt Ion: 84 Resp: 74219  
Ion Ratio Lower Upper  
84 100  
49 126.5 112.9 169.3  
51 40.1 33.8 50.8  
86 58.8 51.9 77.9





#19  
trans-1,2-Dichloroethene  
Concen: 17.078 ug/l  
RT: 5.765 min Scan# 649  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

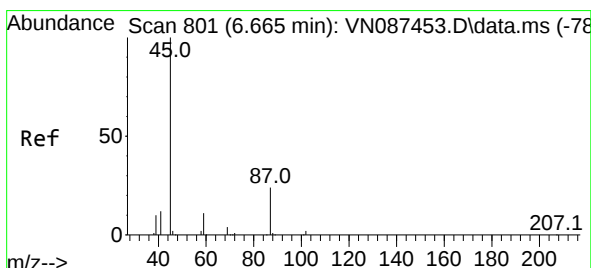
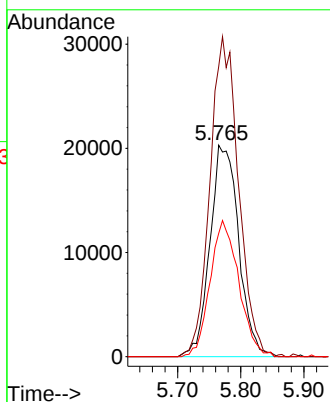
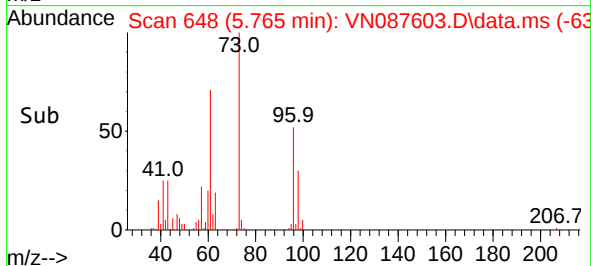
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 96 Resp: 6418  
Ion Ratio Lower Upper  
96 100  
61 137.1 114.2 171.4  
98 58.3 48.7 73.1

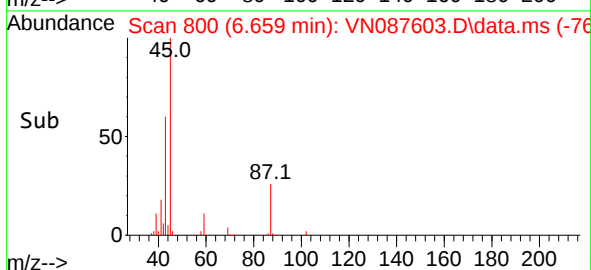
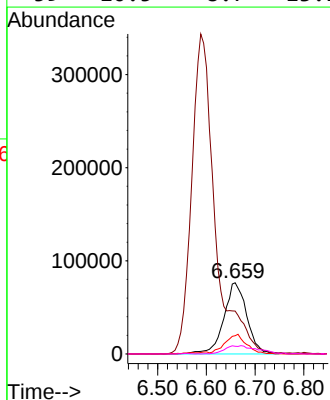
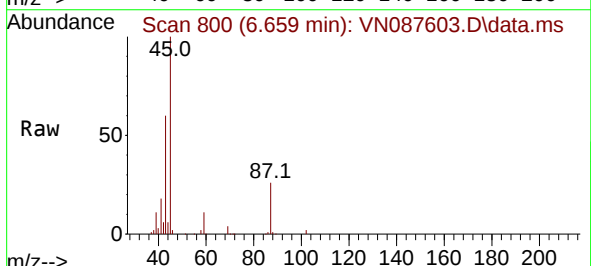
Manual Integrations  
APPROVED

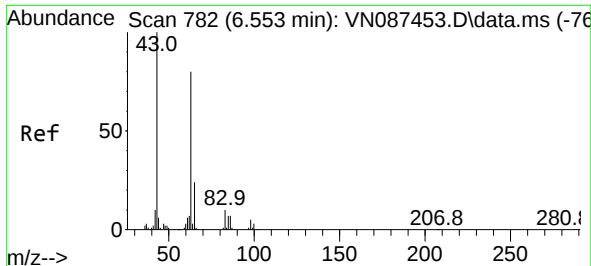
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#20  
Diisopropyl ether  
Concen: 17.037 ug/l  
RT: 6.659 min Scan# 800  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Tgt Ion: 45 Resp: 250003  
Ion Ratio Lower Upper  
45 100  
43 58.5 44.7 67.1  
87 25.4 20.2 30.2  
59 10.5 8.7 13.1





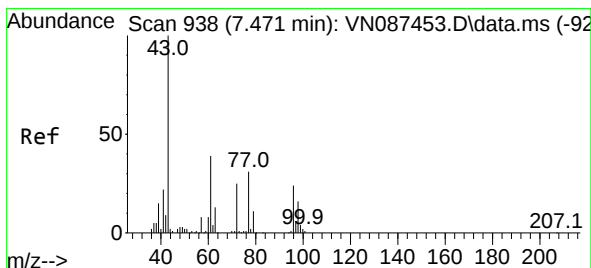
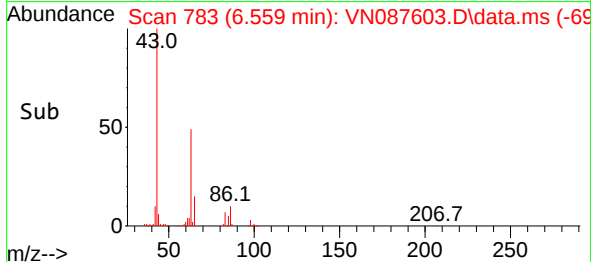
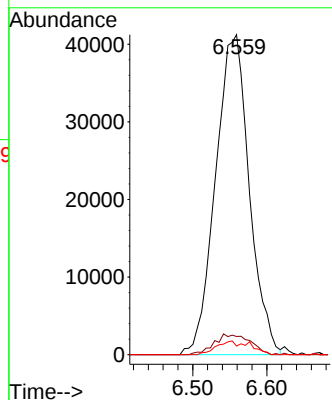
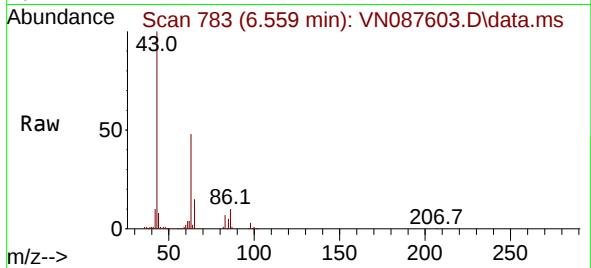
#21  
1,1-Dichloroethane  
Concen: 17.184 ug/l  
RT: 6.559 min Scan# 782  
Delta R.T. 0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 63 Resp: 13034  
Ion Ratio Lower Upper  
63 100  
98 5.7 3.0 9.0  
100 2.7 1.9 5.7

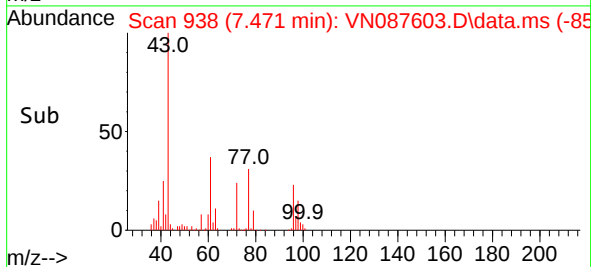
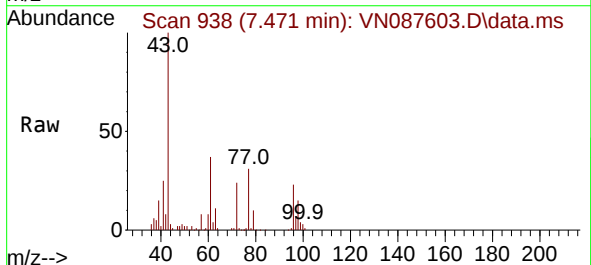
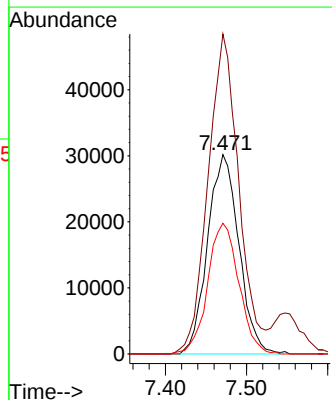
Manual Integrations  
APPROVED

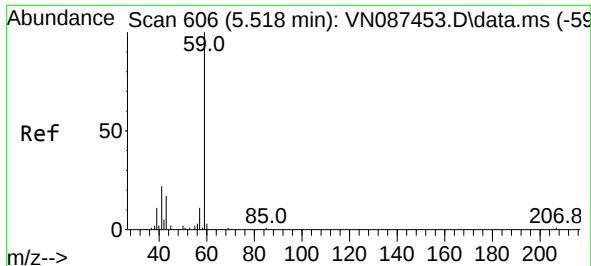
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#22  
cis-1,2-Dichloroethene  
Concen: 17.469 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

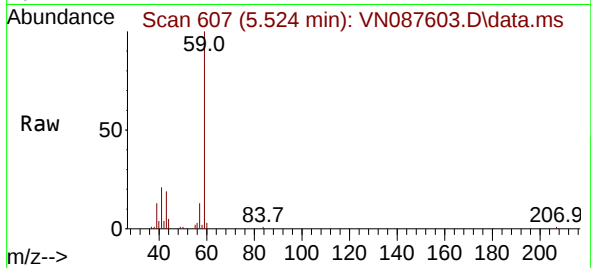
Tgt Ion: 96 Resp: 80780  
Ion Ratio Lower Upper  
96 100  
61 157.7 126.6 190.0  
98 65.3 50.9 76.3





#23  
tert-Butyl Alcohol  
Concen: 80.203 ug/l  
RT: 5.524 min Scan# 607  
Delta R.T. 0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

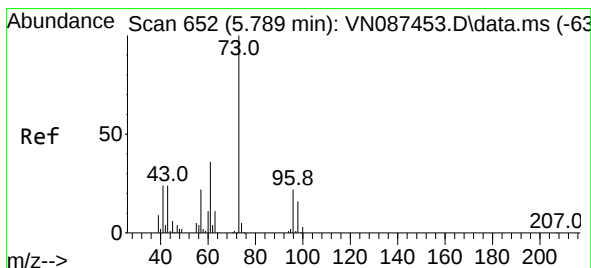
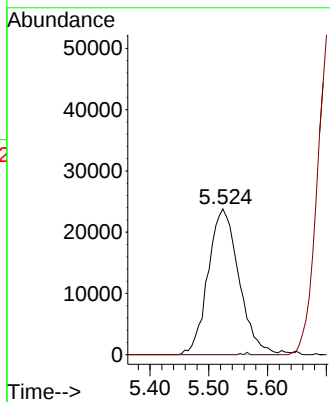
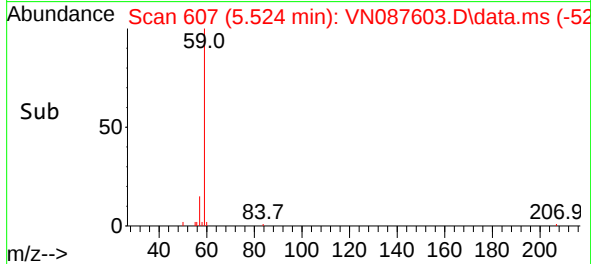
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 59 Resp: 86789  
Ion Ratio Lower Upper  
59 100  
52 0.1 0.0 0.0

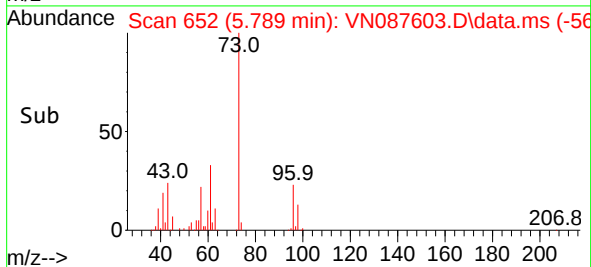
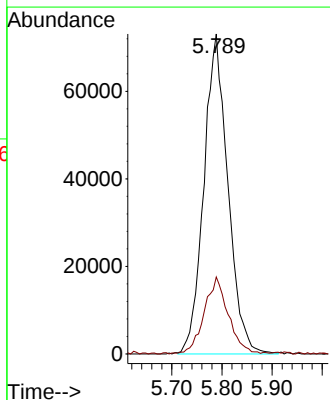
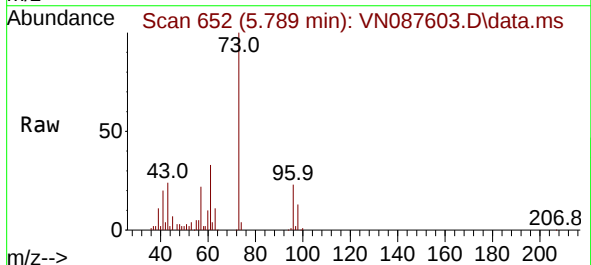
Manual Integrations  
APPROVED

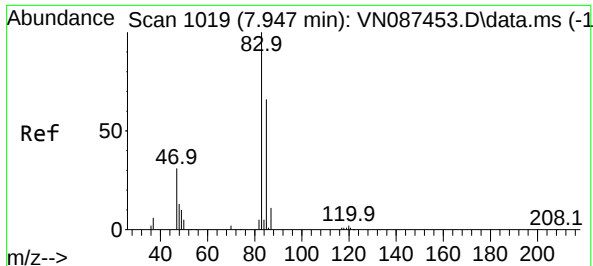
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#24  
Methyl tert-Butyl Ether  
Concen: 16.912 ug/l  
RT: 5.789 min Scan# 652  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Tgt Ion: 73 Resp: 243546  
Ion Ratio Lower Upper  
73 100  
43 23.6 19.9 29.9





#25

Chloroform

Concen: 17.749 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN087603.D

Acq: 20 Aug 2025 08:58

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 140528

Ion Ratio Lower Upper

83 100

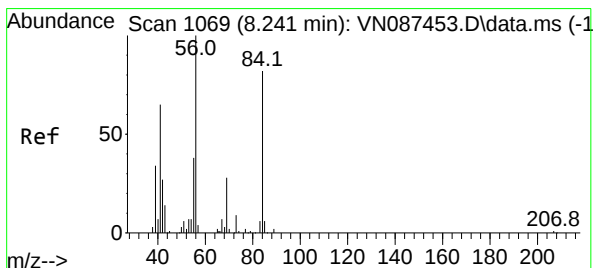
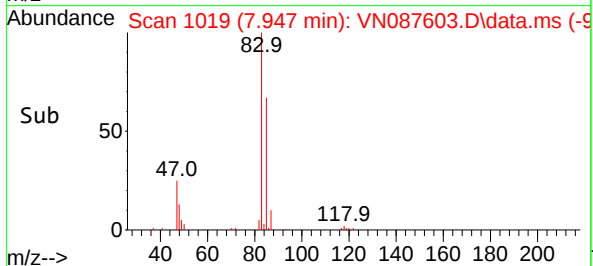
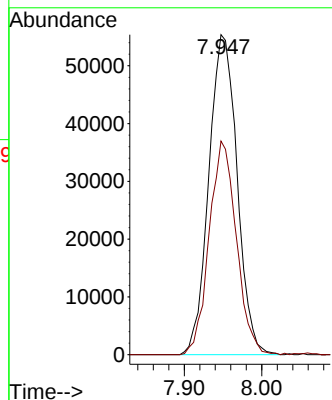
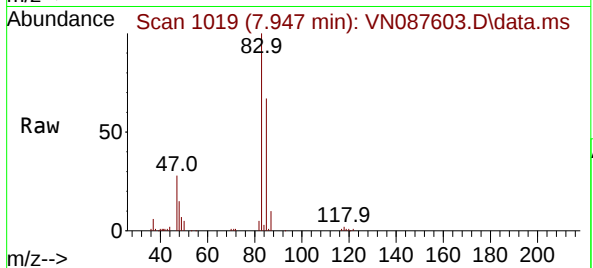
85 66.7 52.6 78.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#26

Cyclohexane

Concen: 16.833 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN087603.D

Acq: 20 Aug 2025 08:58

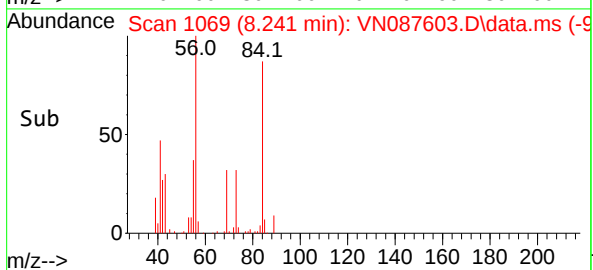
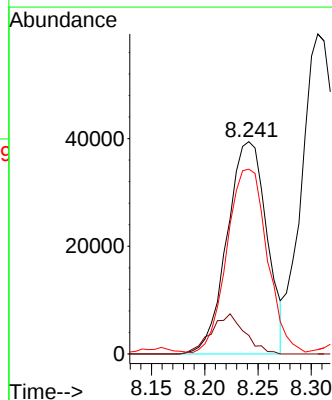
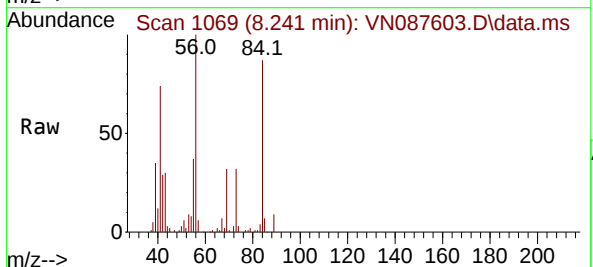
Tgt Ion: 56 Resp: 102230

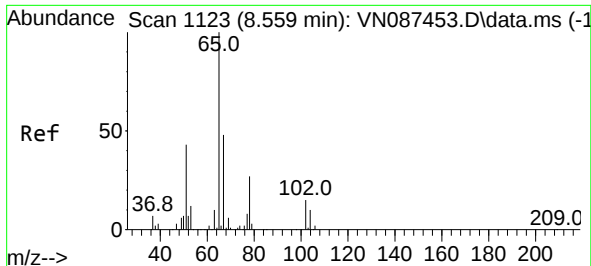
Ion Ratio Lower Upper

56 100

89 16.1 2.3 3.5#

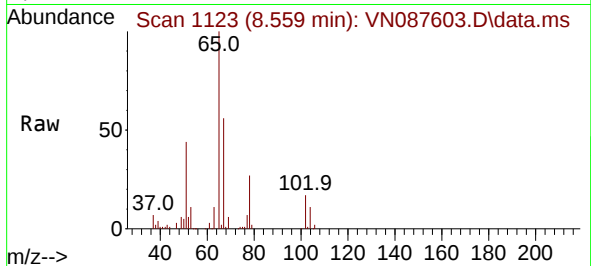
84 88.4 67.0 100.4





#27  
1,2-Dichloroethane-d4  
Concen: 29.091 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

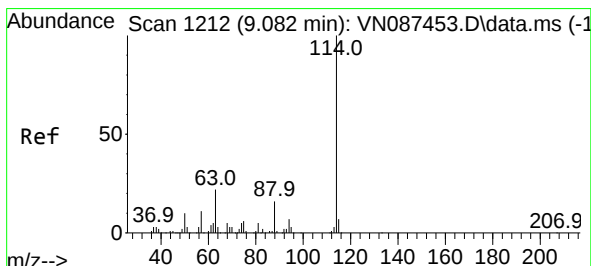
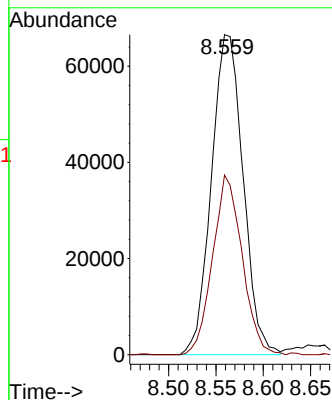
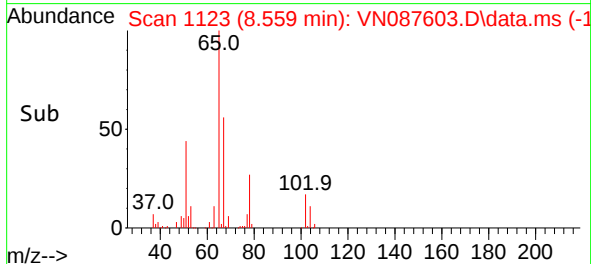
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



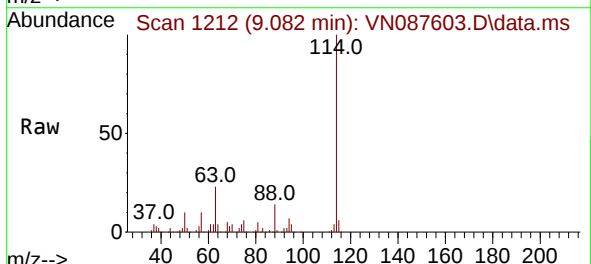
Tgt Ion: 65 Resp: 154828  
Ion Ratio Lower Upper  
65 100  
67 52.3 40.8 61.2

Manual Integrations  
APPROVED

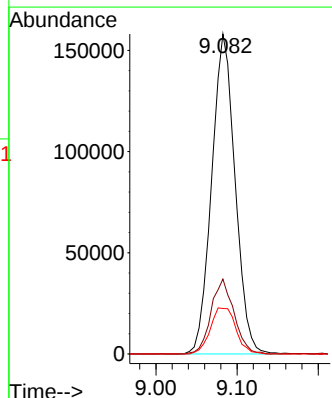
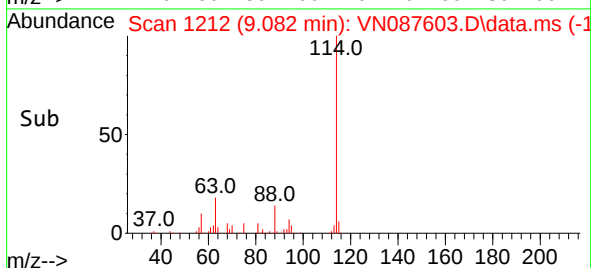
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025

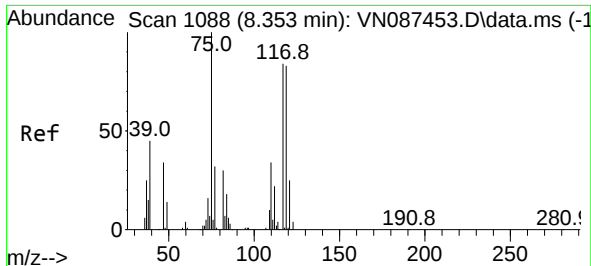


#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.082 min Scan# 1212  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



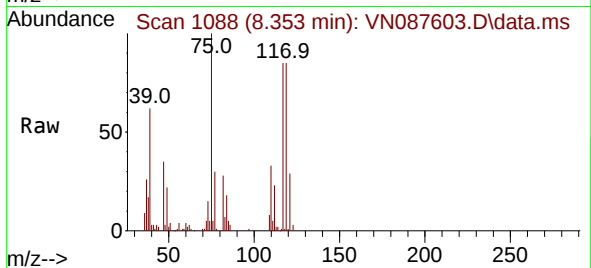
Tgt Ion:114 Resp: 317393  
Ion Ratio Lower Upper  
114 100  
63 22.9 18.9 28.3  
88 15.7 13.1 19.7





#29  
1,1-Dichloropropene  
Concen: 17.104 ug/l  
RT: 8.353 min Scan# 1088  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

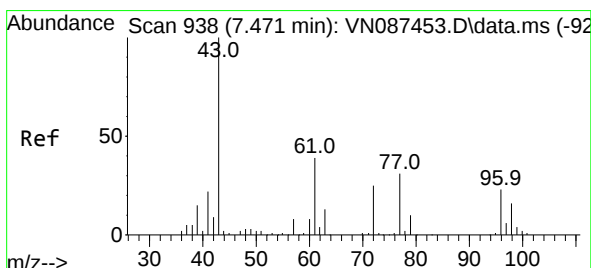
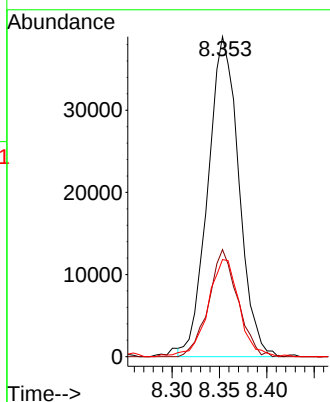
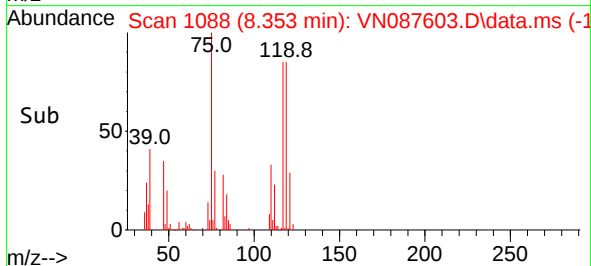
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



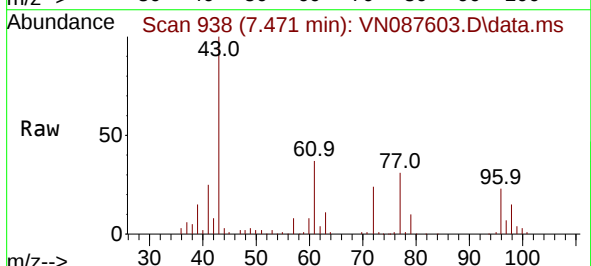
Tgt Ion: 75 Resp: 8854  
Ion Ratio Lower Upper  
75 100  
110 31.4 0.0 65.8  
77 30.6 0.0 63.6

Manual Integrations  
APPROVED

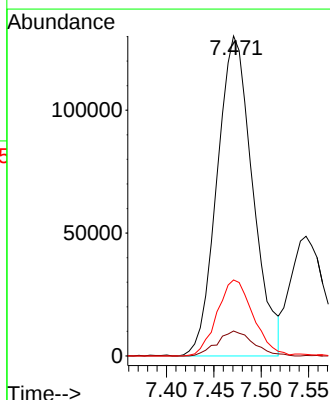
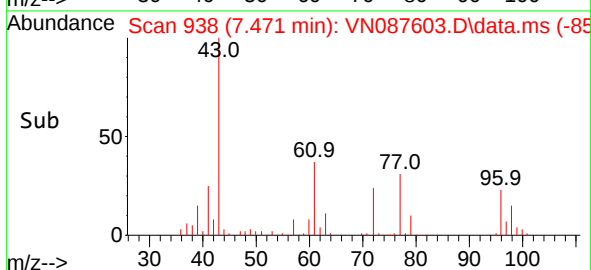
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025

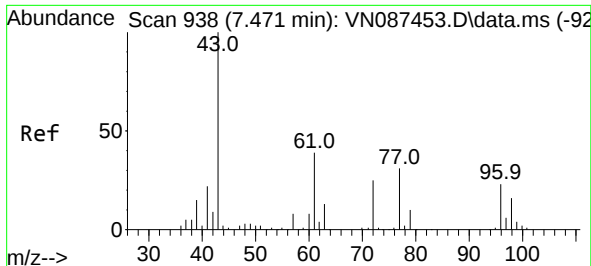


#30  
2-Butanone  
Concen: 89.393 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



Tgt Ion: 43 Resp: 341108  
Ion Ratio Lower Upper  
43 100  
57 7.9 6.6 9.8  
72 24.0 19.7 29.5





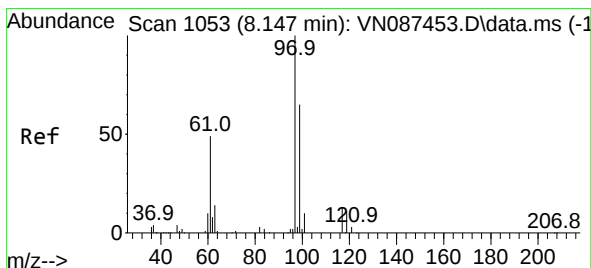
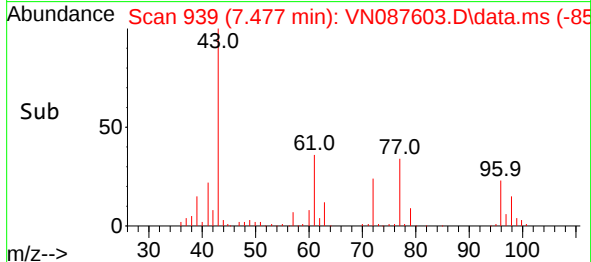
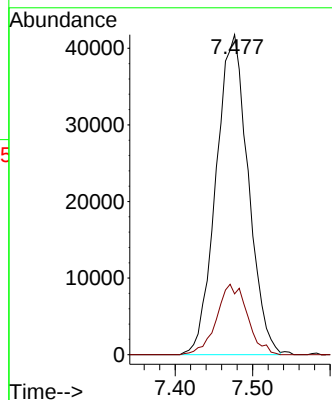
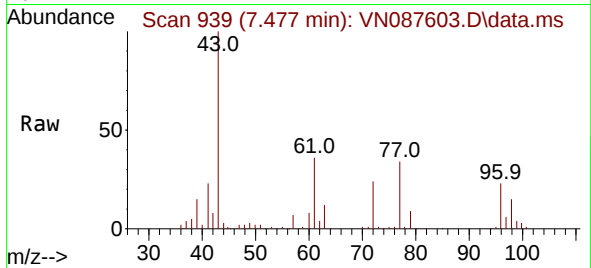
#31  
2,2-Dichloropropane  
Concen: 18.055 ug/l  
RT: 7.477 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 77 Resp: 120550  
Ion Ratio Lower Upper  
77 100  
97 20.6 16.7 25.1

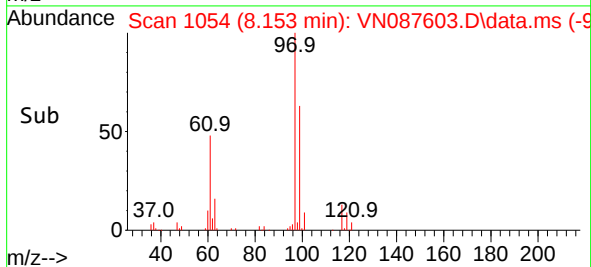
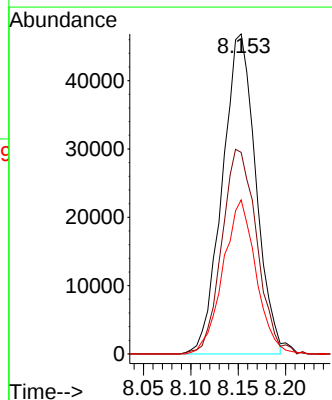
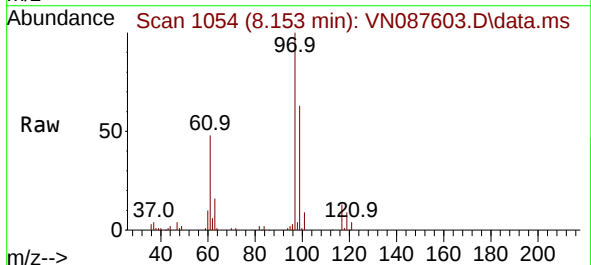
Manual Integrations  
APPROVED

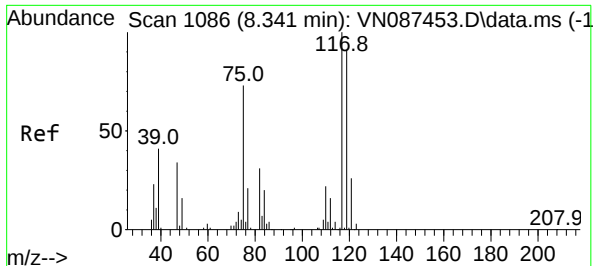
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#32  
1,1,1-Trichloroethane  
Concen: 17.444 ug/l  
RT: 8.153 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

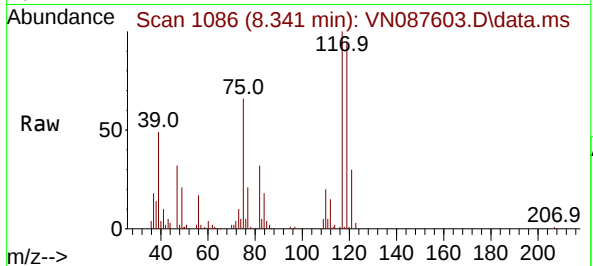
Tgt Ion: 97 Resp: 115174  
Ion Ratio Lower Upper  
97 100  
99 65.8 53.0 79.6  
61 47.4 40.6 61.0





#33  
Carbon Tetrachloride  
Concen: 17.375 ug/l  
RT: 8.341 min Scan# 1086  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

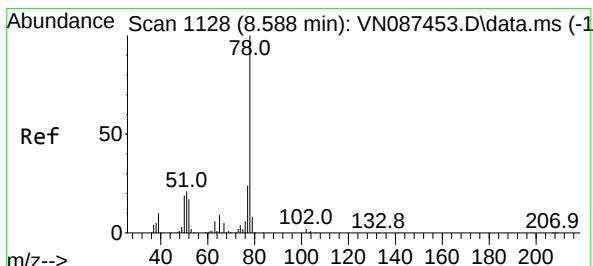
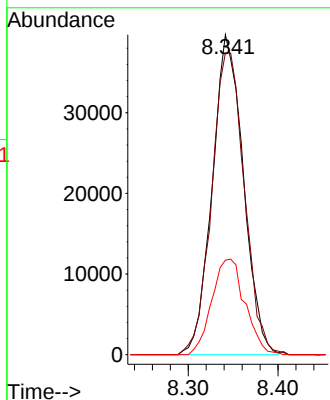
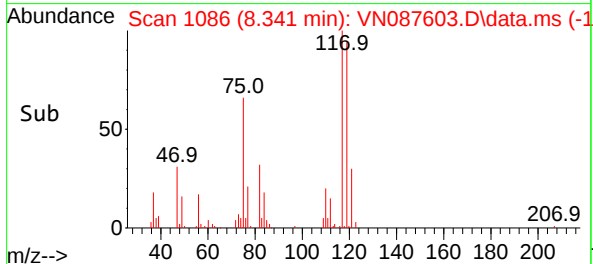
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 117 Resp: 95298  
Ion Ratio Lower Upper  
117 100  
119 94.3 73.4 110.0  
121 29.5 21.1 31.7

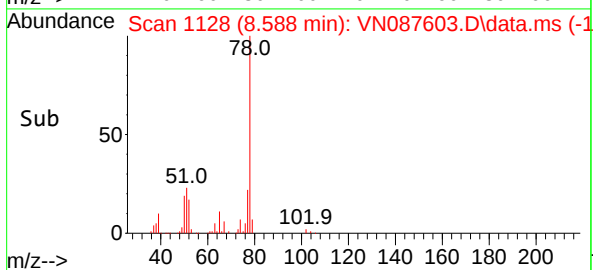
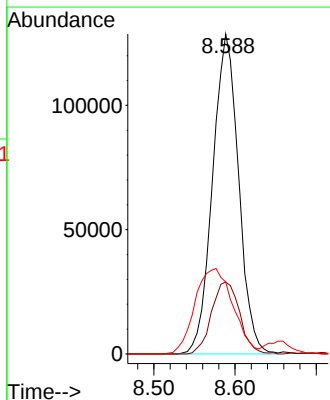
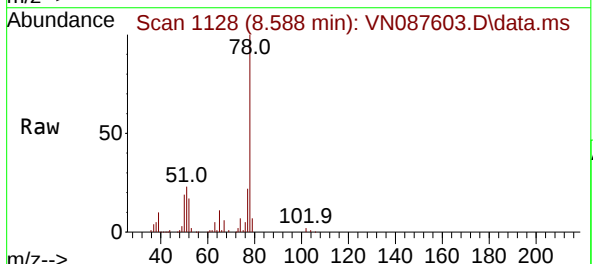
Manual Integrations  
APPROVED

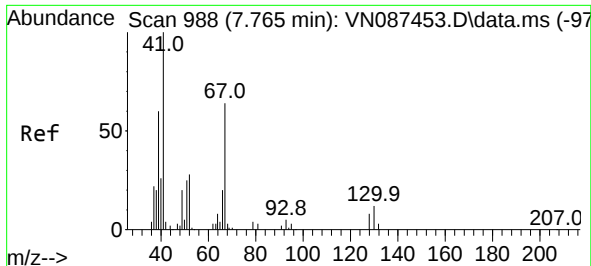
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#34  
Benzene  
Concen: 17.509 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

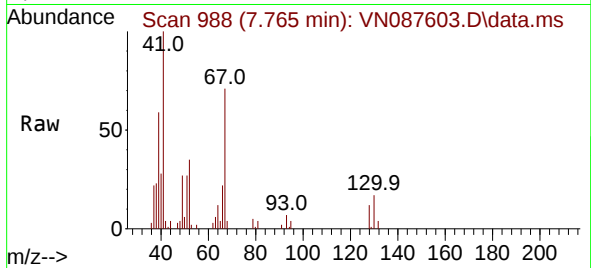
Tgt Ion: 78 Resp: 286111  
Ion Ratio Lower Upper  
78 100  
77 22.5 19.2 28.8  
51 20.5 16.9 25.3





#35  
Methacrylonitrile  
Concen: 15.951 ug/l  
RT: 7.765 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

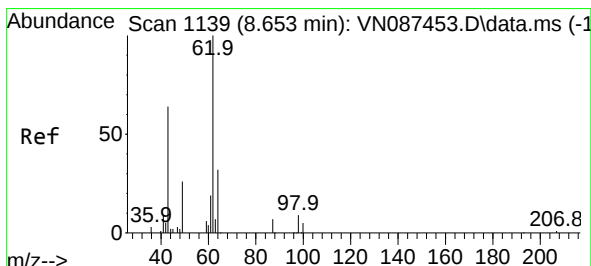
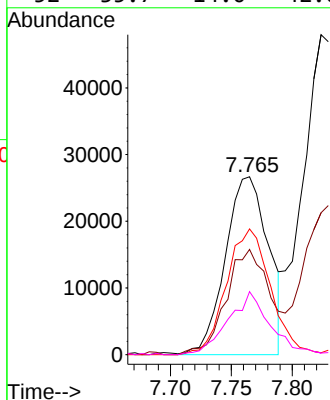
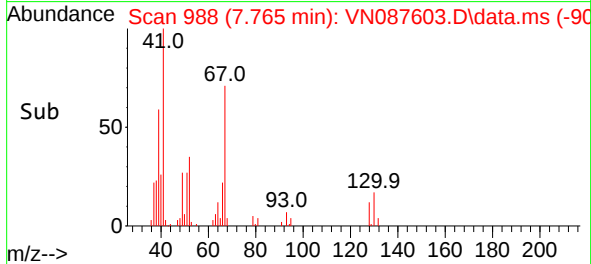
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



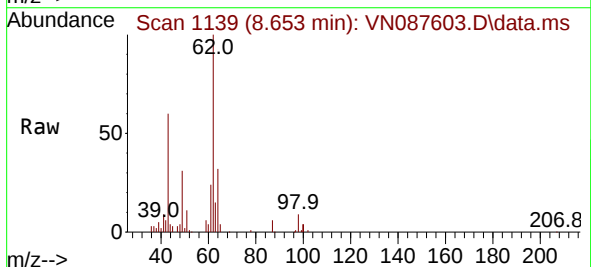
| Tgt Ion:  | 41   | Resp: | 6568  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 39        | 59.6 | 30.1  | 90.5  |
| 67        | 71.1 | 32.0  | 96.2  |
| 52        | 35.7 | 14.0  | 42.0  |

Manual Integrations  
APPROVED

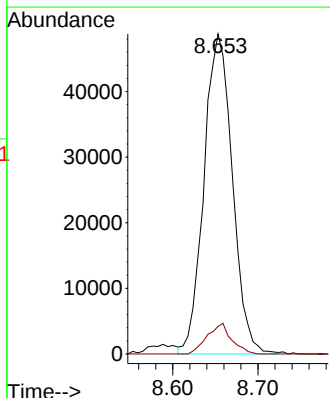
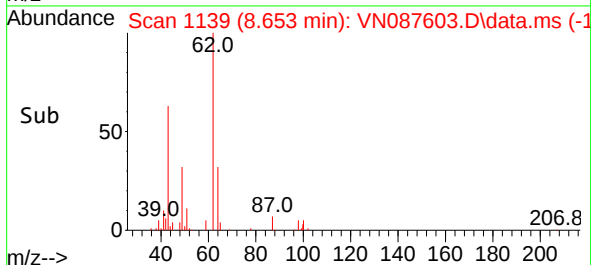
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#36  
1,2-Dichloroethane  
Concen: 17.117 ug/l  
RT: 8.653 min Scan# 1139  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



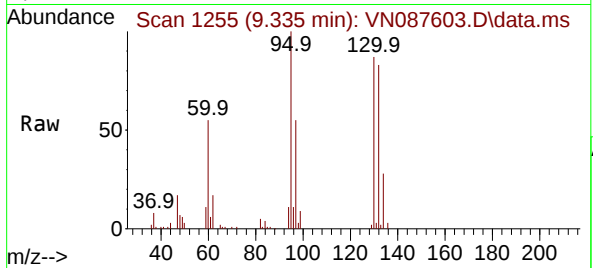
| Tgt Ion:  | 62  | Resp: | 113054 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 62        | 100 |       |        |
| 98        | 8.2 | 6.6   | 9.8    |





#37  
Trichloroethene  
Concen: 18.016 ug/l  
RT: 9.335 min Scan# 1255  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

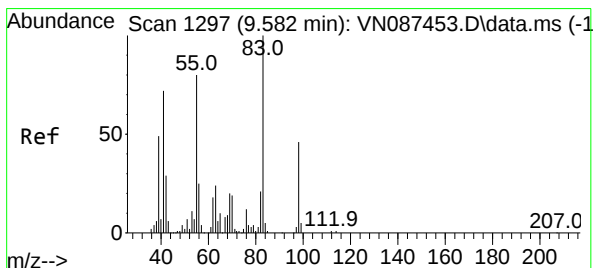
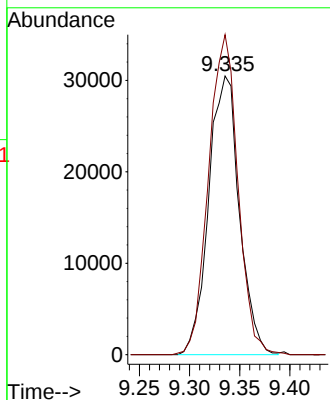
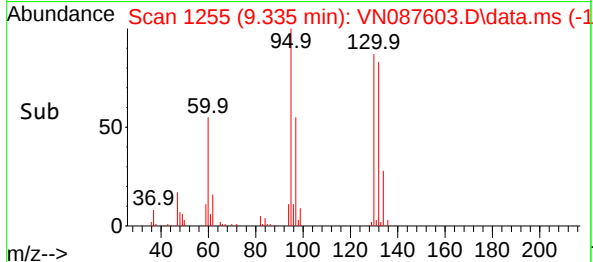
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



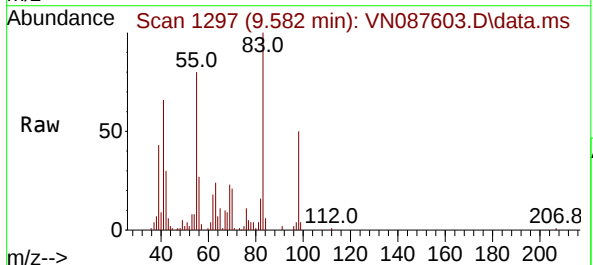
Tgt Ion:130 Resp: 64850  
Ion Ratio Lower Upper  
130 100  
95 114.2 91.4 137.2

Manual Integrations  
APPROVED

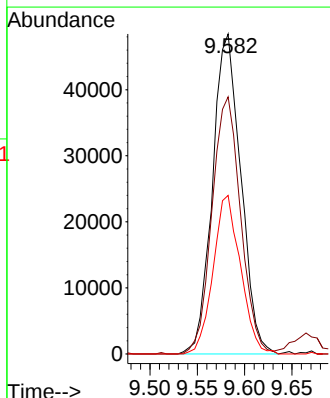
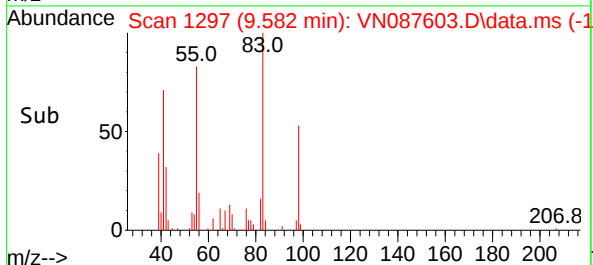
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025

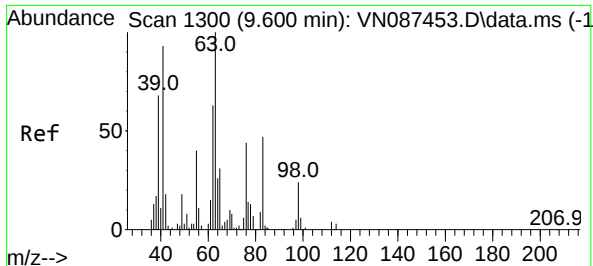


#38  
Methylcyclohexane  
Concen: 16.786 ug/l  
RT: 9.582 min Scan# 1297  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



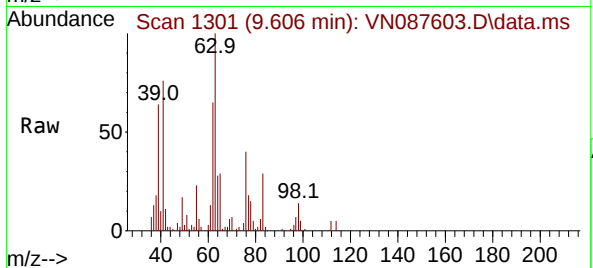
Tgt Ion: 83 Resp: 100808  
Ion Ratio Lower Upper  
83 100  
55 81.1 41.2 123.6  
98 47.9 23.3 69.9





#39  
1,2-Dichloropropane  
Concen: 17.424 ug/l  
RT: 9.606 min Scan# 1300  
Delta R.T. 0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

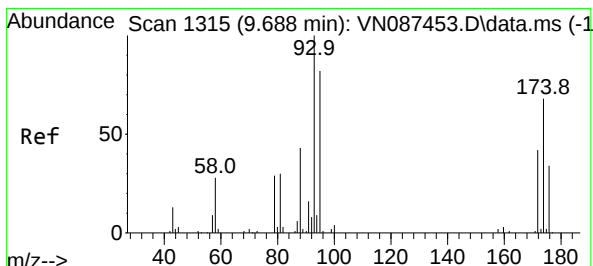
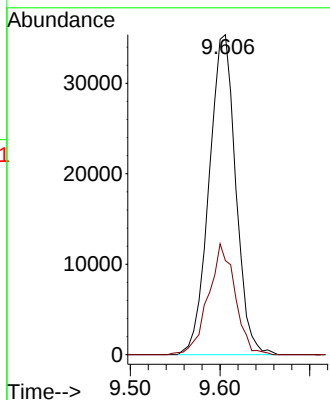
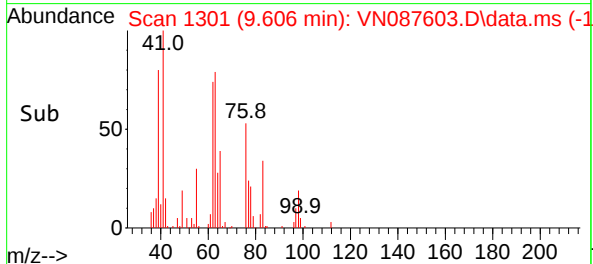
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 63 Resp: 7300  
Ion Ratio Lower Upper  
63 100  
65 29.4 24.6 36.8

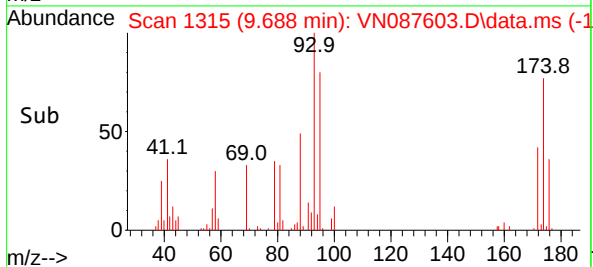
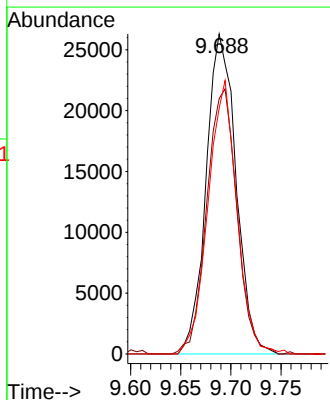
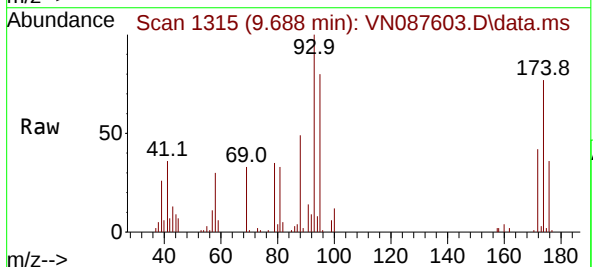
Manual Integrations  
APPROVED

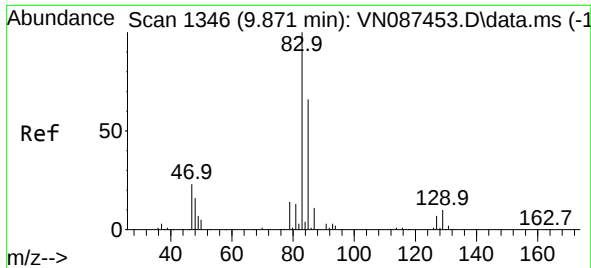
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#40  
Dibromomethane  
Concen: 17.344 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

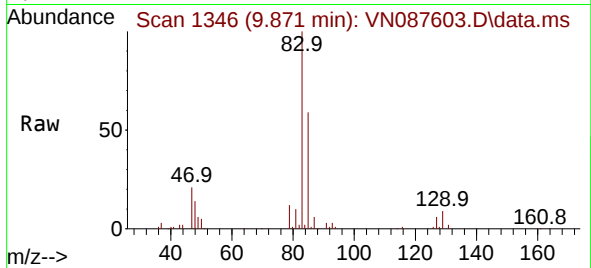
Tgt Ion: 93 Resp: 54522  
Ion Ratio Lower Upper  
93 100  
95 83.5 0.0 161.6  
174 82.6 0.0 151.4





#41  
Bromodichloromethane  
Concen: 17.431 ug/l  
RT: 9.871 min Scan# 11385  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

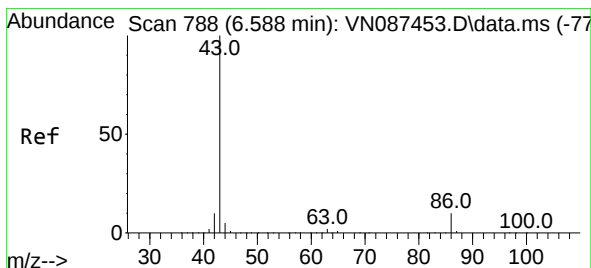
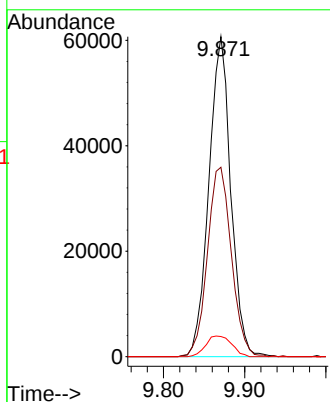
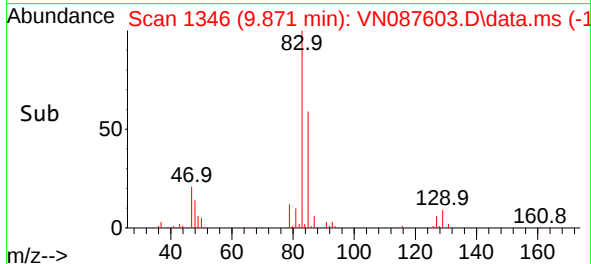
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 83 Resp: 11385  
Ion Ratio Lower Upper  
83 100  
85 59.2 52.9 79.3  
127 6.3 5.8 8.6

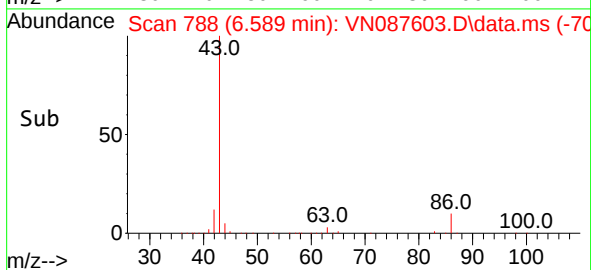
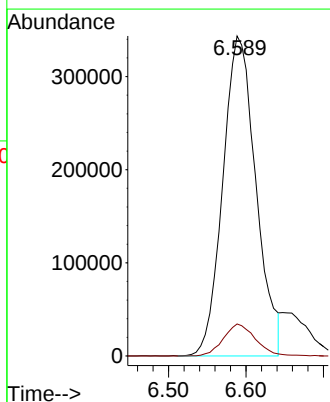
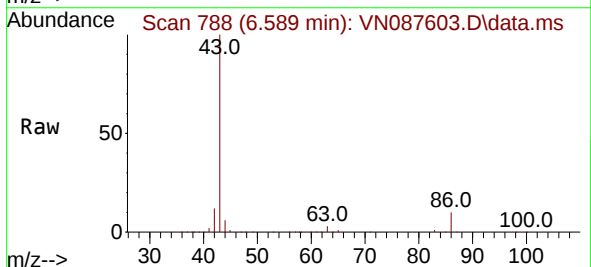
Manual Integrations  
APPROVED

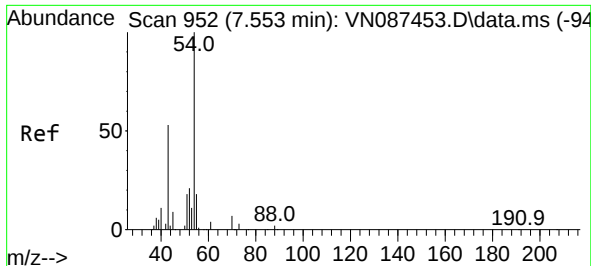
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#42  
Vinyl Acetate  
Concen: 81.357 ug/l  
RT: 6.589 min Scan# 788  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

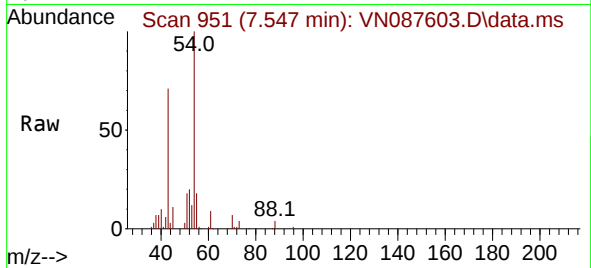
Tgt Ion: 43 Resp: 1022354  
Ion Ratio Lower Upper  
43 100  
86 9.7 7.3 10.9





#43  
Ethyl Acetate  
Concen: 17.104 ug/l  
RT: 7.547 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

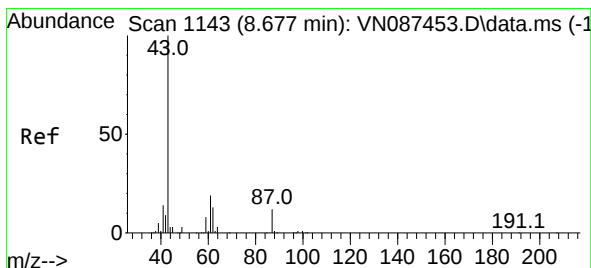
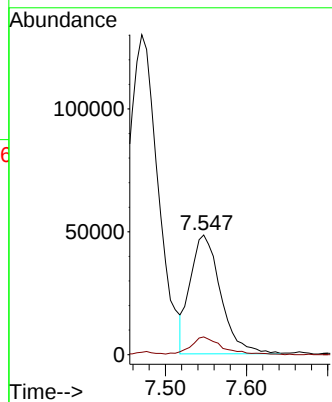
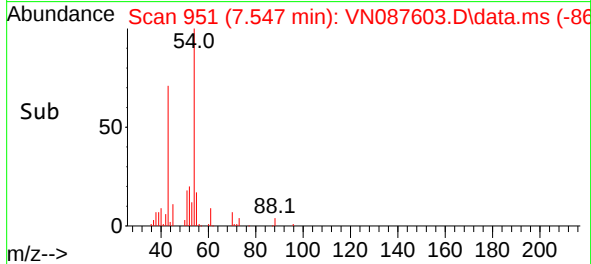
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 43 Resp: 126086  
Ion Ratio Lower Upper  
43 100  
45 13.4 11.1 16.7

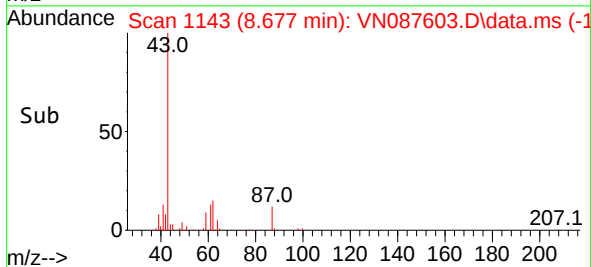
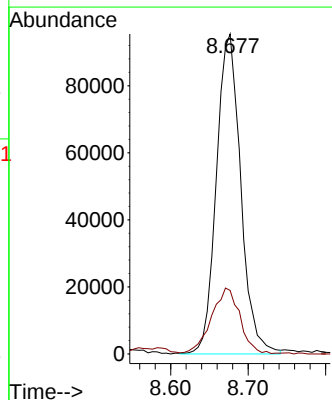
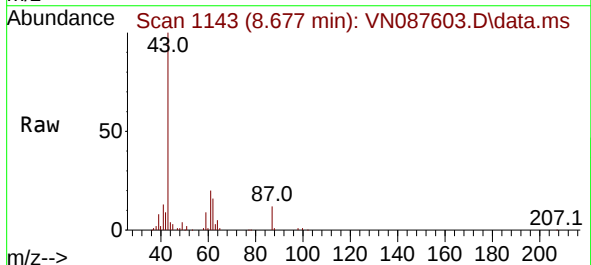
Manual Integrations  
APPROVED

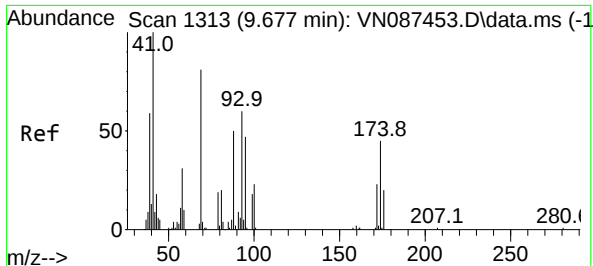
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#44  
Isopropyl Acetate  
Concen: 16.667 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

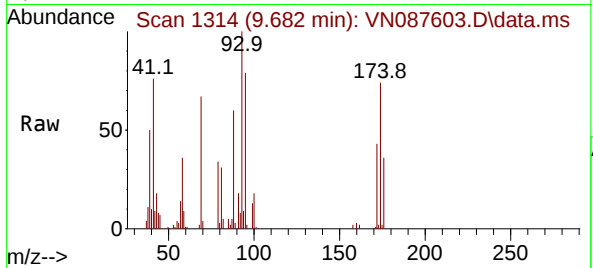
Tgt Ion: 43 Resp: 208274  
Ion Ratio Lower Upper  
43 100  
61 24.2 18.6 28.0





#45  
1,4-Dioxane  
Concen: 384.881 ug/l m  
RT: 9.682 min Scan# 1314  
Delta R.T. 0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

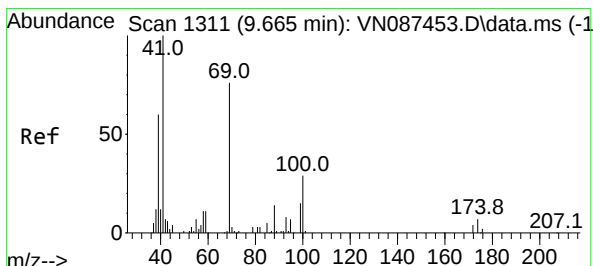
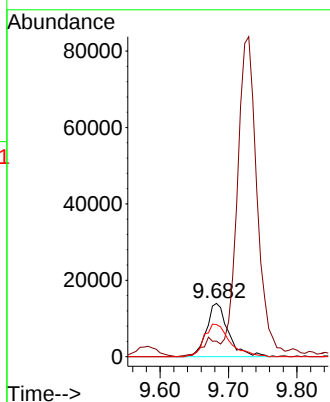
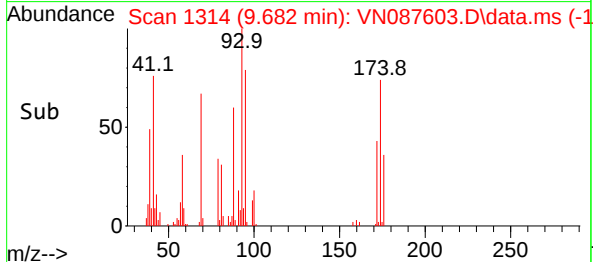
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



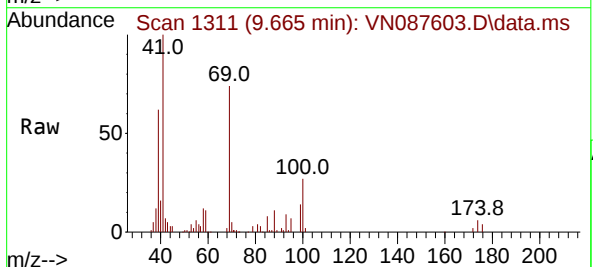
Tgt Ion: 88 Resp: 30660  
Ion Ratio Lower Upper  
88 100  
43 28.0 24.1 36.1  
58 72.7 57.2 85.8

Manual Integrations  
APPROVED

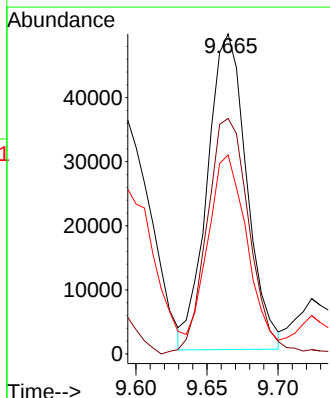
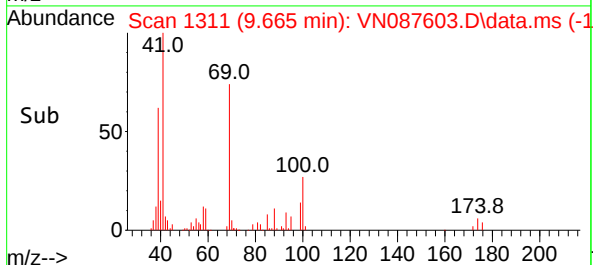
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025

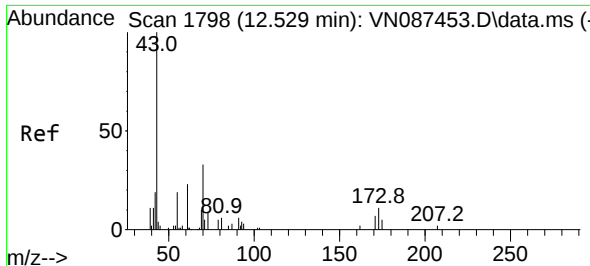


#46  
Methyl methacrylate  
Concen: 16.140 ug/l  
RT: 9.665 min Scan# 1311  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



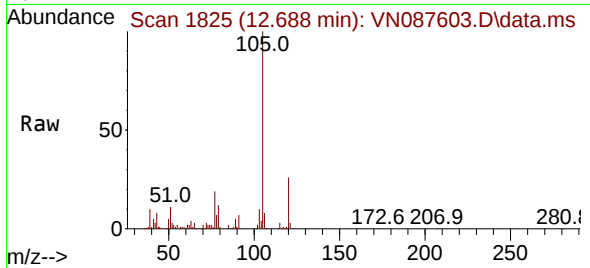
Tgt Ion: 41 Resp: 95204  
Ion Ratio Lower Upper  
41 100  
69 77.5 37.1 111.5  
39 62.2 30.7 92.1





#47  
n-amy1 Acetate  
Concen: 20.617 ug/l m  
RT: 12.688 min Scan# 1  
Delta R.T. 0.159 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

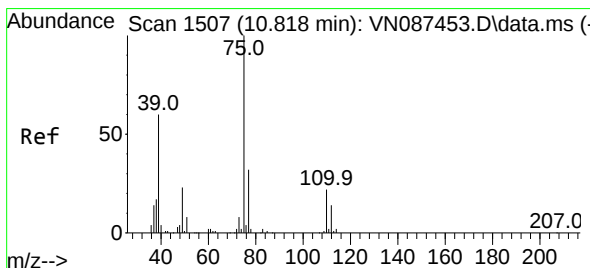
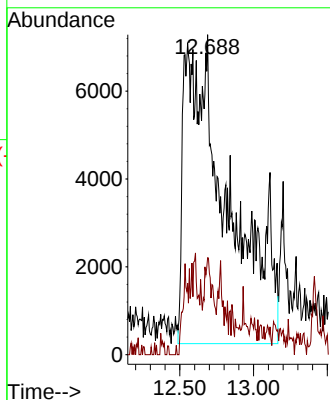
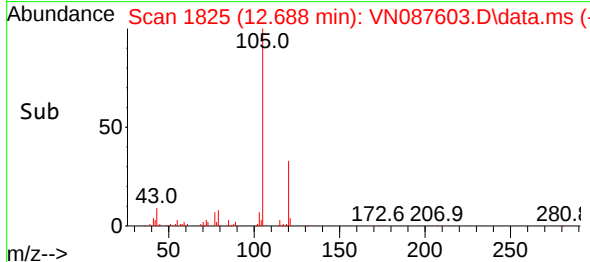
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 43 Resp: 142320  
Ion Ratio Lower Upper  
43 100  
55 2.6 4.6 6.8

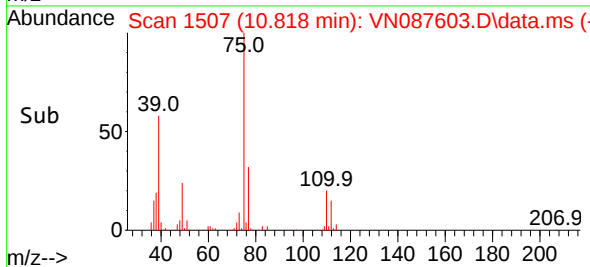
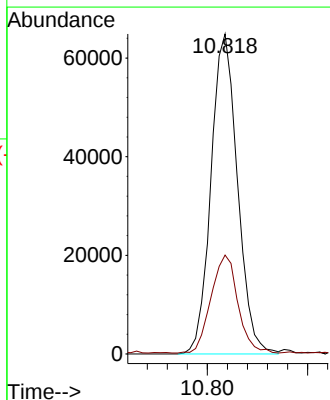
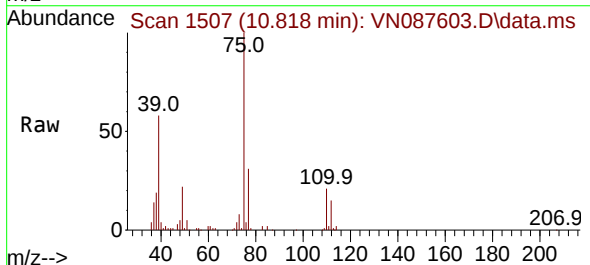
Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#48  
t-1,3-Dichloropropene  
Concen: 16.758 ug/l  
RT: 10.818 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

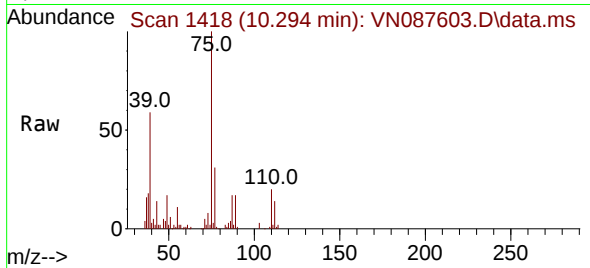
Tgt Ion: 75 Resp: 119093  
Ion Ratio Lower Upper  
75 100  
77 30.6 25.3 37.9





#49  
 cis-1,3-Dichloropropene  
 Concen: 17.270 ug/l  
 RT: 10.294 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VN087603.D  
 Acq: 20 Aug 2025 08:58

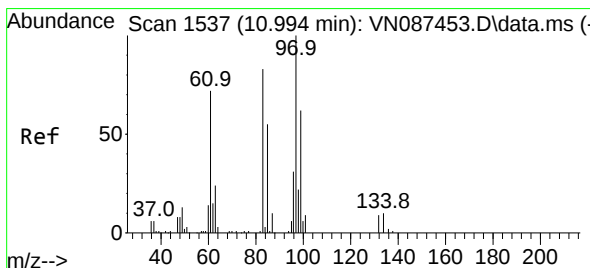
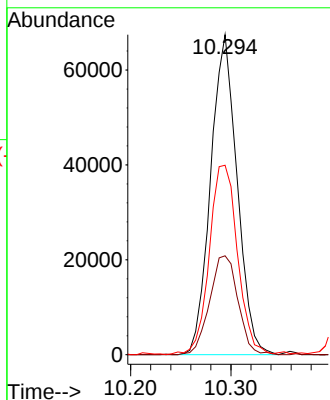
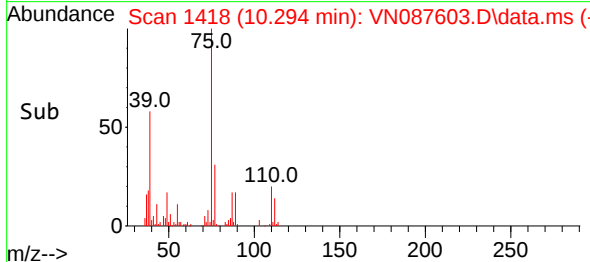
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020



Tgt Ion: 75 Resp: 123512  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 24.6 36.8  
 39 58.6 51.5 77.3

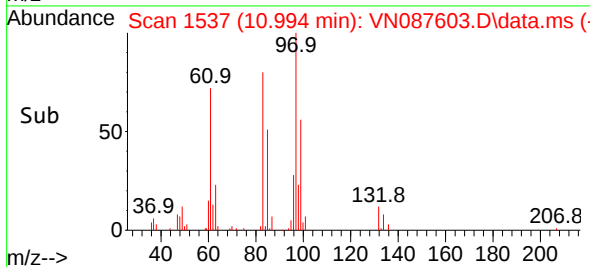
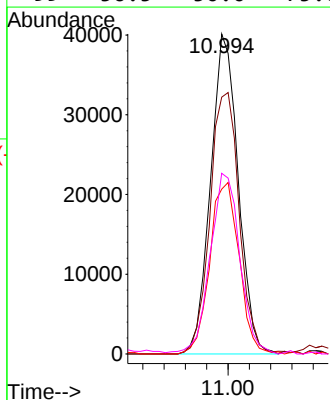
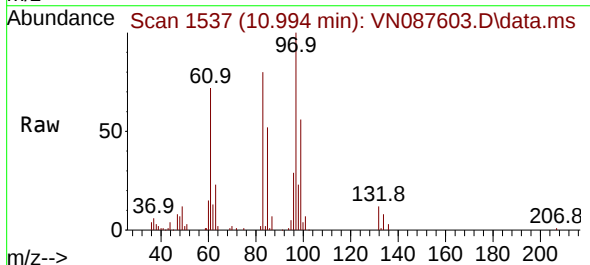
Manual Integrations  
 APPROVED

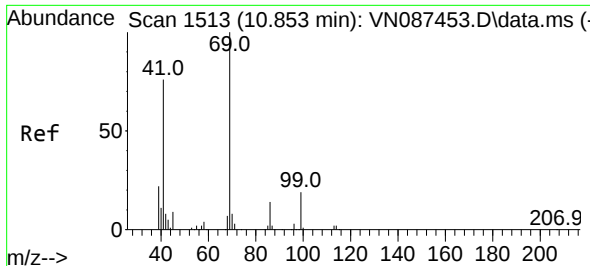
Reviewed By :John Carlone 08/21/2025  
 Supervised By :Mahesh Dadoda 08/22/2025



#50  
 1,1,2-Trichloroethane  
 Concen: 18.166 ug/l  
 RT: 10.994 min Scan# 1537  
 Delta R.T. 0.000 min  
 Lab File: VN087603.D  
 Acq: 20 Aug 2025 08:58

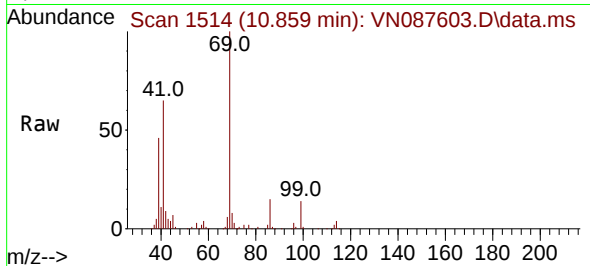
Tgt Ion: 97 Resp: 72151  
 Ion Ratio Lower Upper  
 97 100  
 83 80.3 66.2 99.2  
 85 51.5 43.9 65.9  
 99 56.5 50.0 75.0





#51  
Ethyl methacrylate  
Concen: 16.696 ug/l  
RT: 10.859 min Scan# 1513  
Delta R.T. 0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

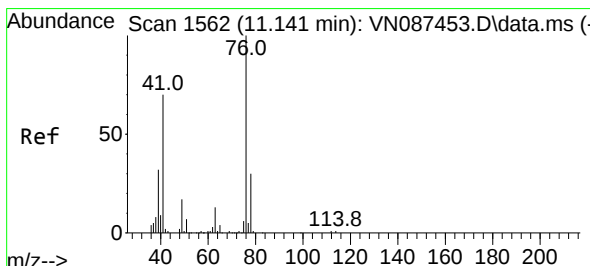
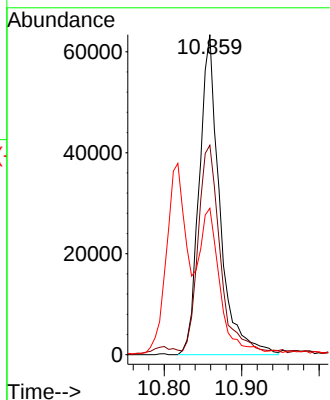
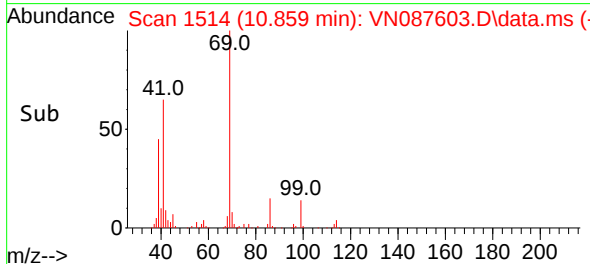
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 69 Resp: 116788  
Ion Ratio Lower Upper  
69 100  
41 64.2 38.0 114.1  
39 44.6 23.2 69.5

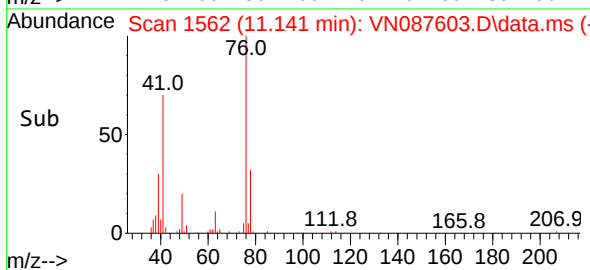
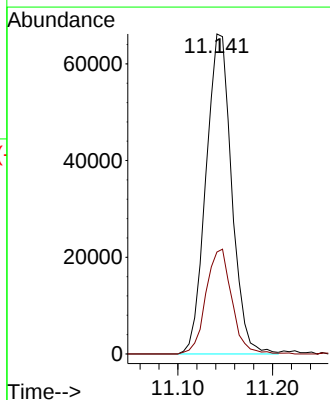
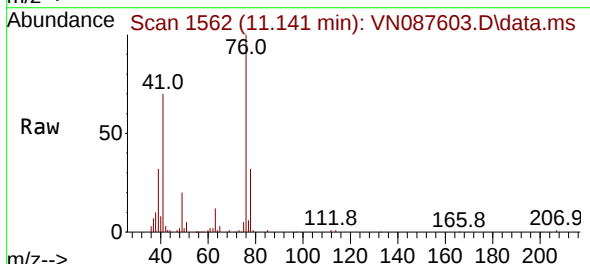
Manual Integrations  
APPROVED

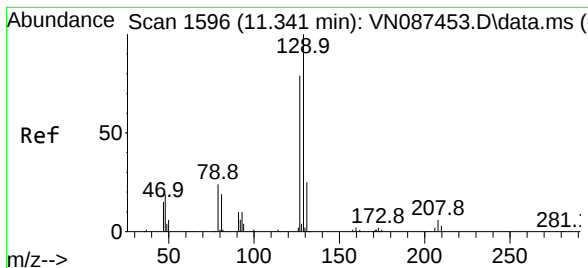
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#52  
1,3-Dichloropropane  
Concen: 17.442 ug/l  
RT: 11.141 min Scan# 1562  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

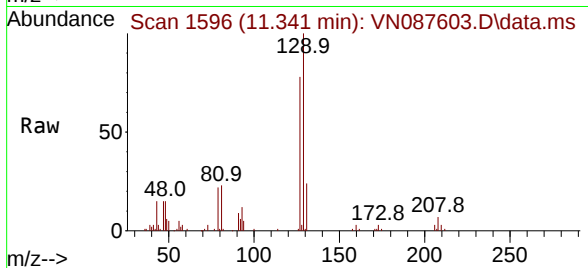
Tgt Ion: 76 Resp: 124808  
Ion Ratio Lower Upper  
76 100  
78 32.8 0.0 63.0





#53  
Dibromochloromethane  
Concen: 17.429 ug/l  
RT: 11.341 min Scan# 1596  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

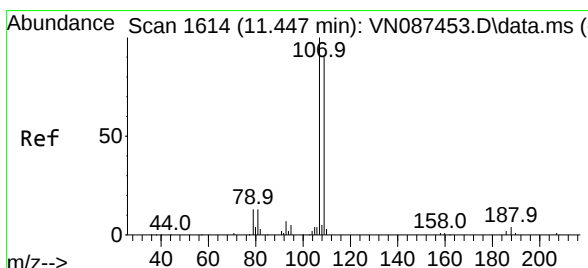
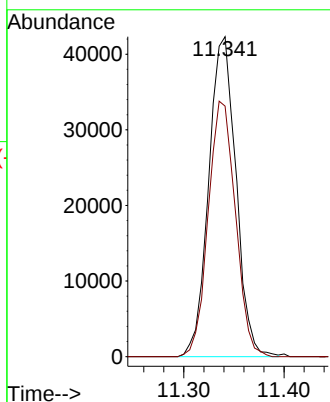
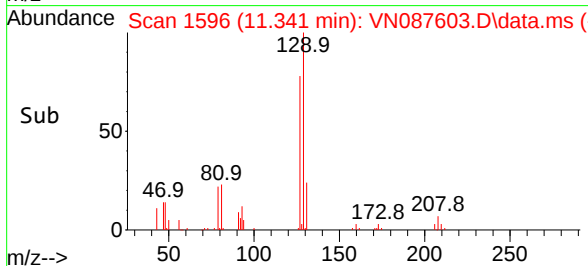
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



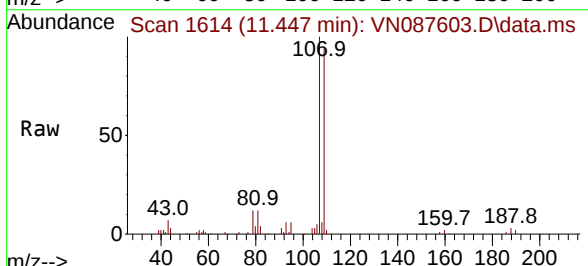
Tgt Ion:129 Resp: 79944  
Ion Ratio Lower Upper  
129 100  
127 79.8 39.1 117.3

Manual Integrations  
APPROVED

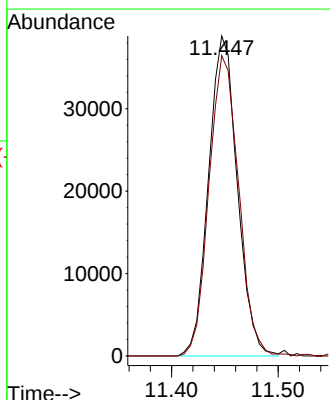
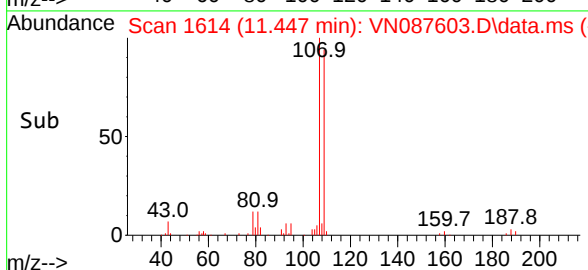
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025

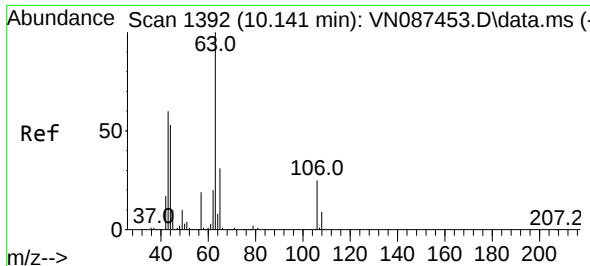


#54  
1,2-Dibromoethane  
Concen: 17.274 ug/l  
RT: 11.447 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



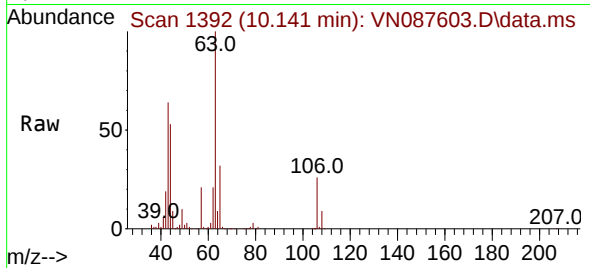
Tgt Ion:107 Resp: 72831  
Ion Ratio Lower Upper  
107 100  
109 96.2 74.2 111.4





#55  
2-Chloroethyl vinyl ether  
Concen: 87.306 ug/l  
RT: 10.141 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

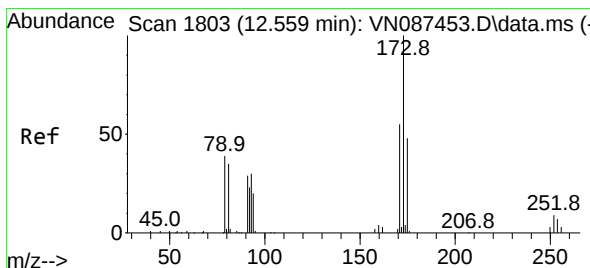
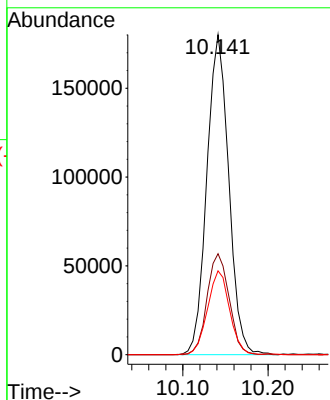
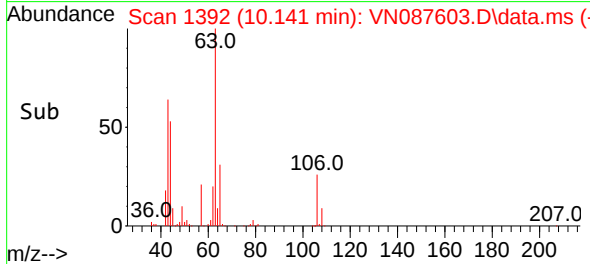
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 63 Resp: 321490  
Ion Ratio Lower Upper  
63 100  
65 31.6 25.7 38.5  
106 26.4 20.7 31.1

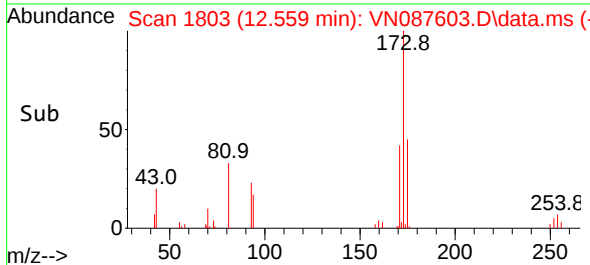
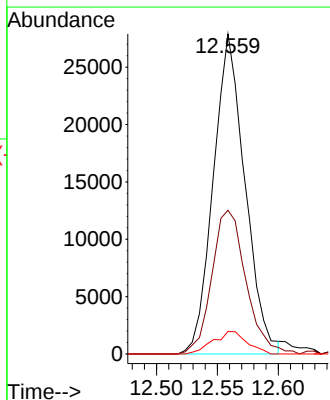
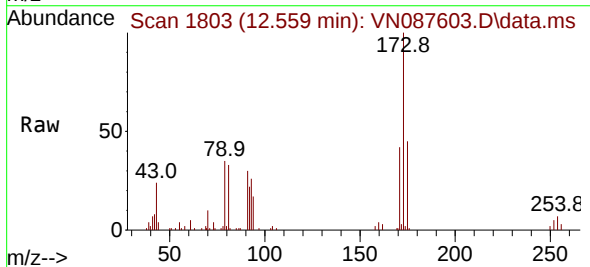
Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#56  
Bromoform  
Concen: 16.650 ug/l  
RT: 12.559 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

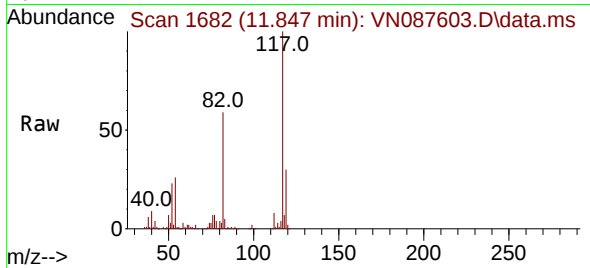
Tgt Ion:173 Resp: 50513  
Ion Ratio Lower Upper  
173 100  
175 48.3 38.8 58.2  
254 7.5 3.9 5.9#





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.847 min Scan# 1682  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

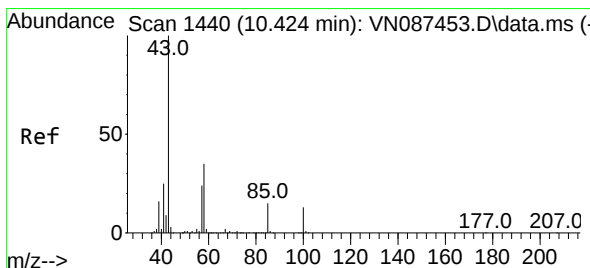
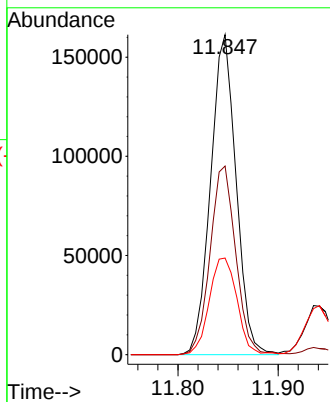
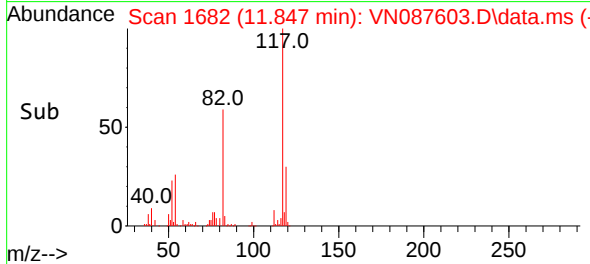
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



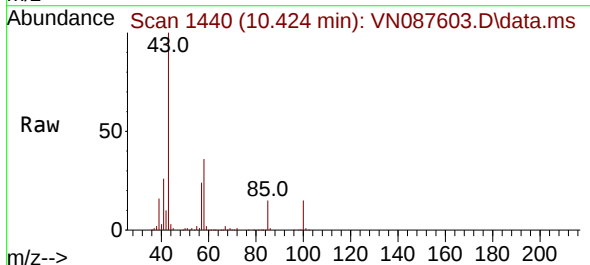
Tgt Ion: 117 Resp: 285280  
Ion Ratio Lower Upper  
117 100  
82 59.2 49.2 73.8  
119 32.6 25.7 38.5

Manual Integrations  
APPROVED

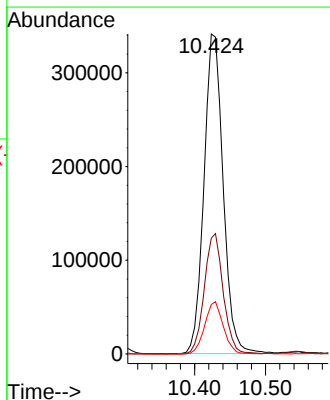
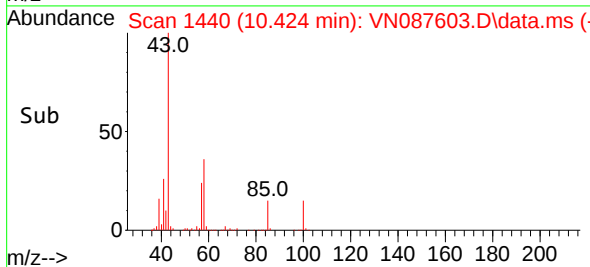
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025

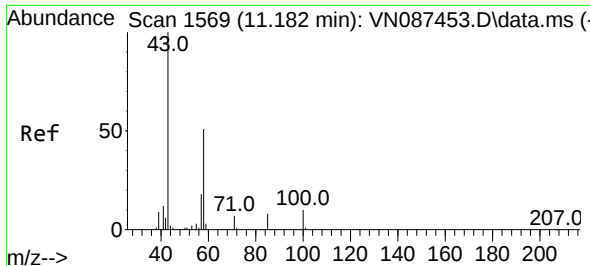


#58  
4-Methyl-2-Pentanone  
Concen: 87.601 ug/l  
RT: 10.424 min Scan# 1440  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



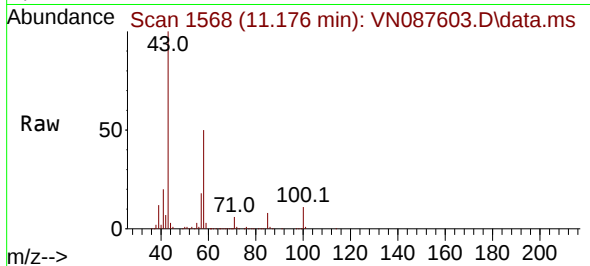
Tgt Ion: 43 Resp: 642892  
Ion Ratio Lower Upper  
43 100  
58 37.0 29.0 43.6  
85 15.8 12.7 19.1





#59  
2-Hexanone  
Concen: 85.590 ug/l  
RT: 11.176 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

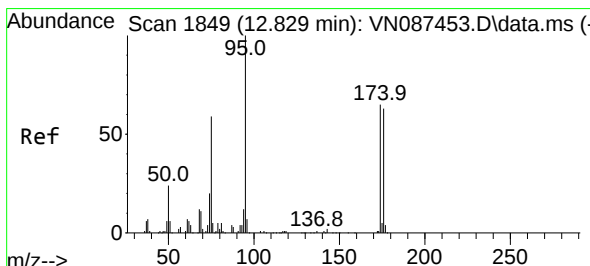
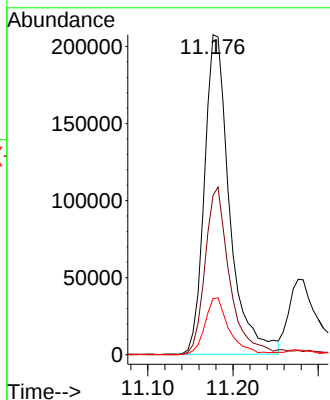
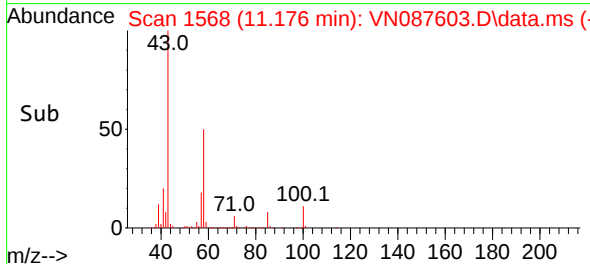
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 43 Resp: 42679  
Ion Ratio Lower Upper  
43 100  
58 50.8 41.0 61.6  
57 17.0 14.6 21.8

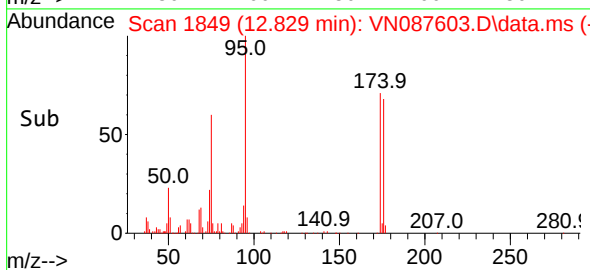
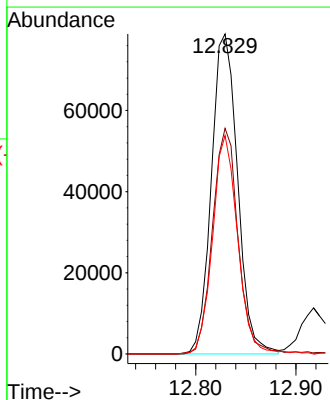
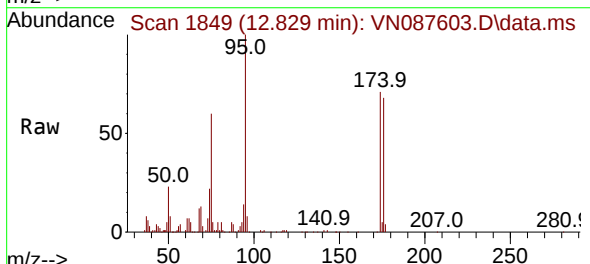
Manual Integrations  
APPROVED

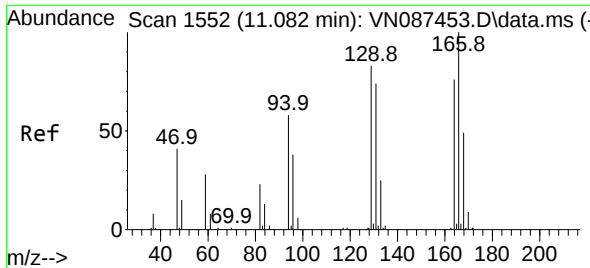
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#60  
4-Bromofluorobenzene  
Concen: 29.208 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

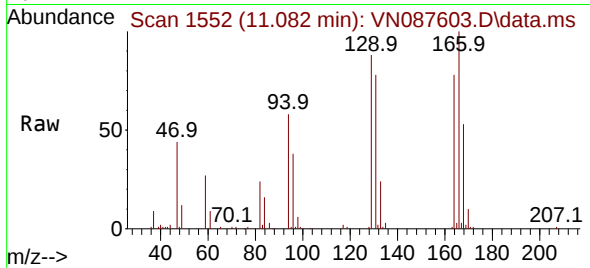
Tgt Ion: 95 Resp: 143397  
Ion Ratio Lower Upper  
95 100  
174 68.5 52.3 78.5  
176 65.4 49.8 74.8





#61  
Tetrachloroethene  
Concen: 18.773 ug/l  
RT: 11.082 min Scan# 1552  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

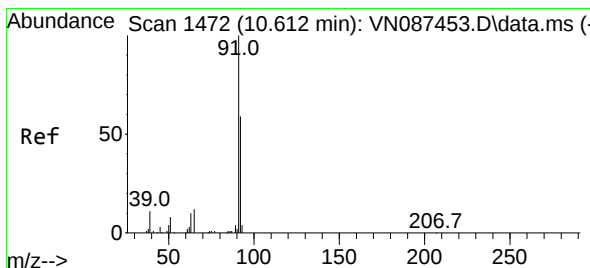
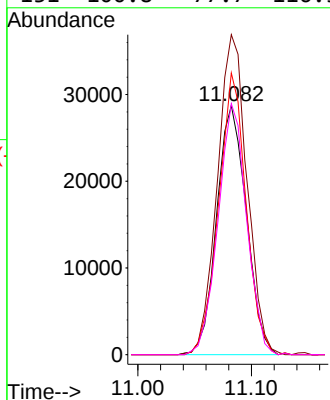
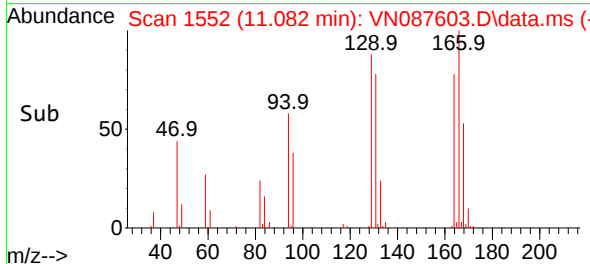
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



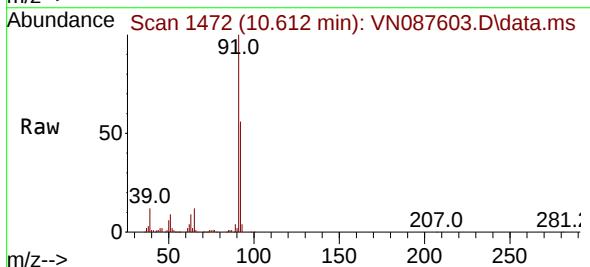
Tgt Ion:164 Resp: 5217  
Ion Ratio Lower Upper  
164 100  
166 128.5 105.4 158.0  
129 113.1 87.7 131.5  
131 100.8 77.7 116.5

Manual Integrations  
APPROVED

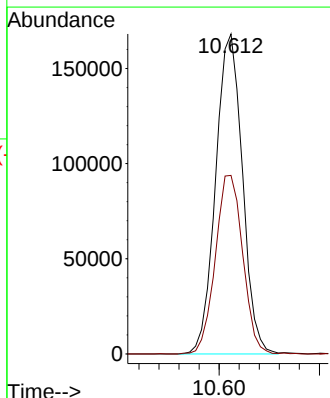
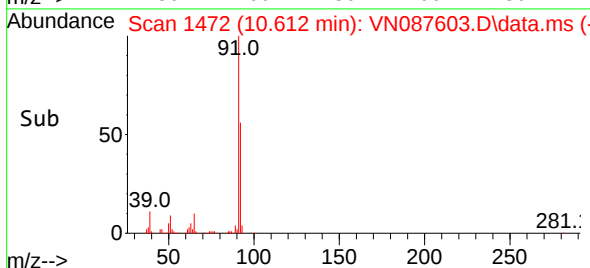
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025

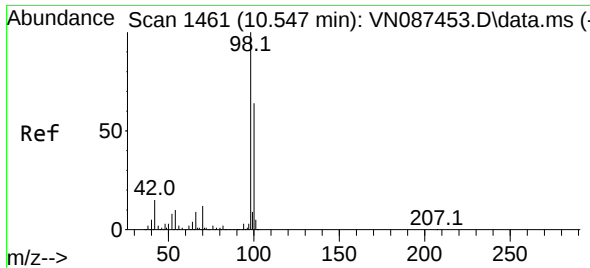


#62  
Toluene  
Concen: 17.707 ug/l  
RT: 10.612 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



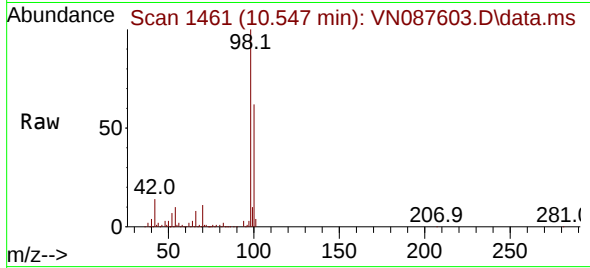
Tgt Ion: 91 Resp: 311784  
Ion Ratio Lower Upper  
91 100  
92 57.1 45.8 68.6





#63  
Toluene-d8  
Concen: 30.485 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

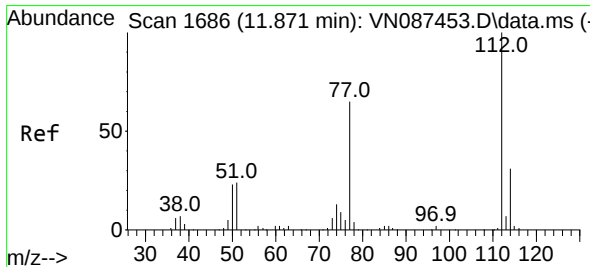
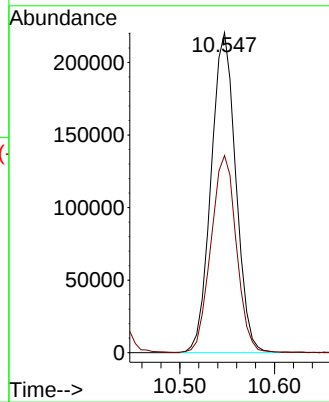
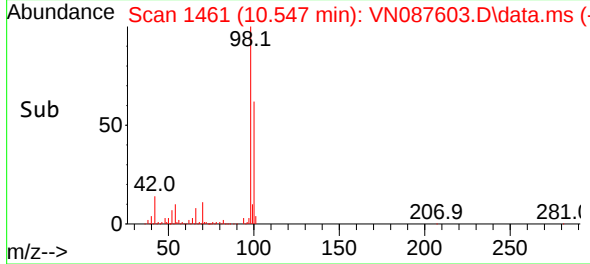
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



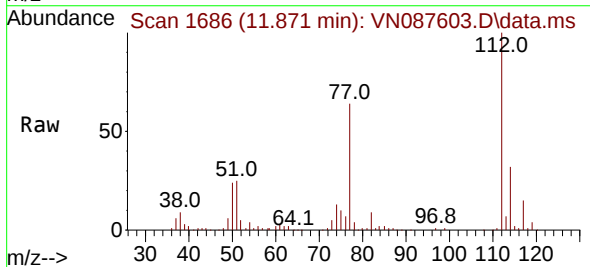
Tgt Ion: 98 Resp: 400169  
Ion Ratio Lower Upper  
98 100  
100 63.5 50.5 75.7

Manual Integrations  
APPROVED

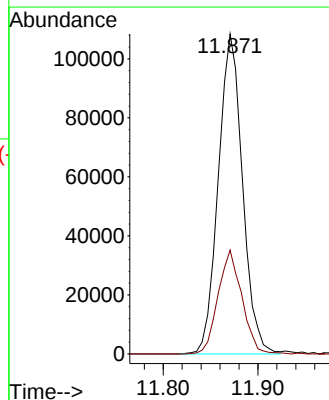
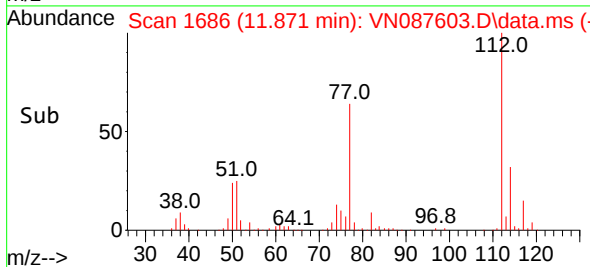
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025

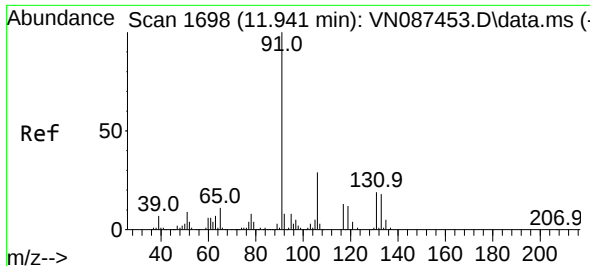


#64  
Chlorobenzene  
Concen: 17.805 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



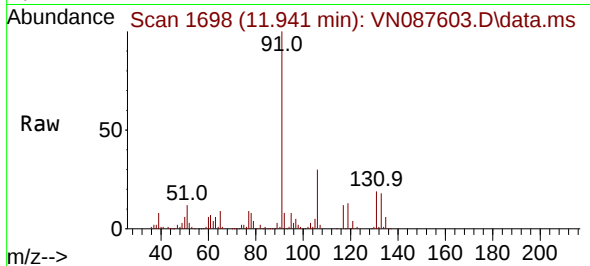
Tgt Ion:112 Resp: 192641  
Ion Ratio Lower Upper  
112 100  
114 32.4 24.7 37.1





#65  
1,1,1,2-Tetrachloroethane  
Concen: 18.067 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

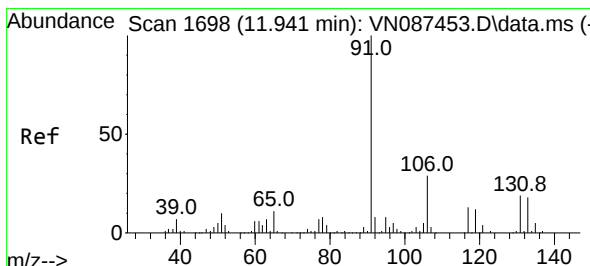
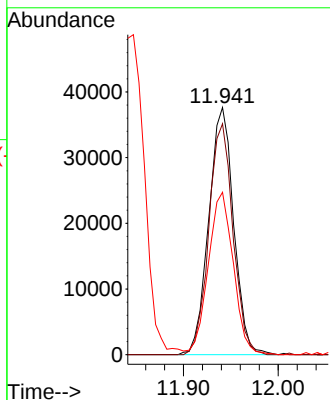
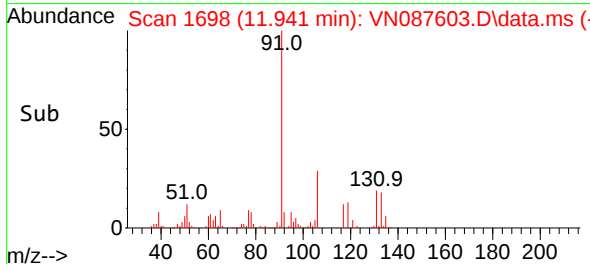
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion:131 Resp: 68728  
Ion Ratio Lower Upper  
131 100  
133 90.7 0.0 189.8  
119 66.2 0.0 133.2

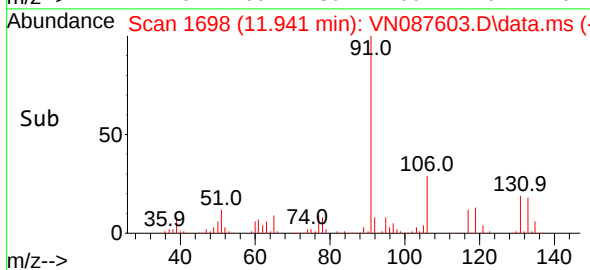
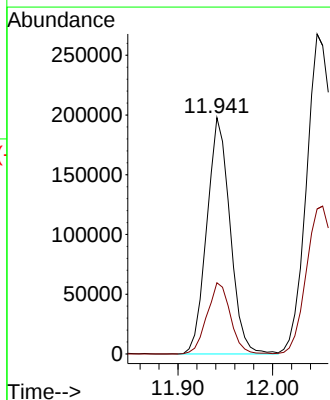
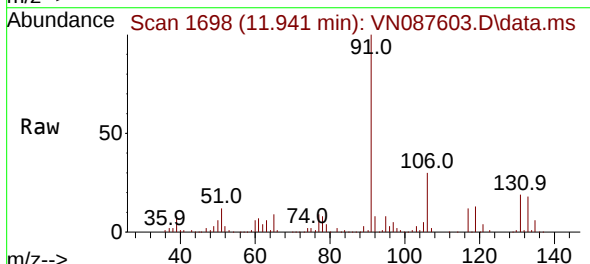
Manual Integrations  
APPROVED

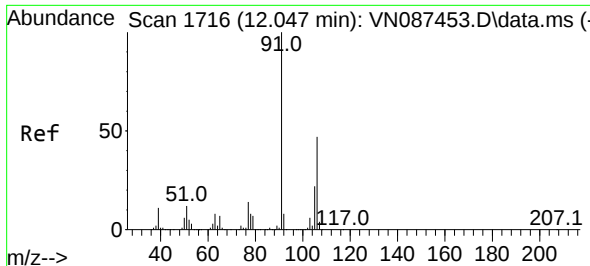
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#66  
Ethyl Benzene  
Concen: 17.159 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Tgt Ion: 91 Resp: 336747  
Ion Ratio Lower Upper  
91 100  
106 30.1 22.9 34.3





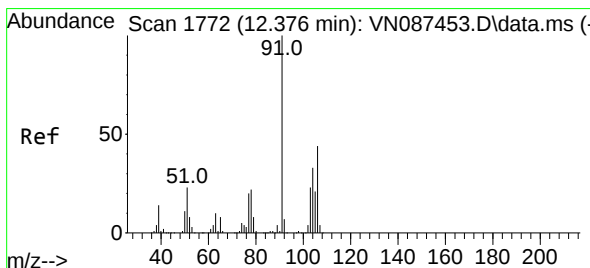
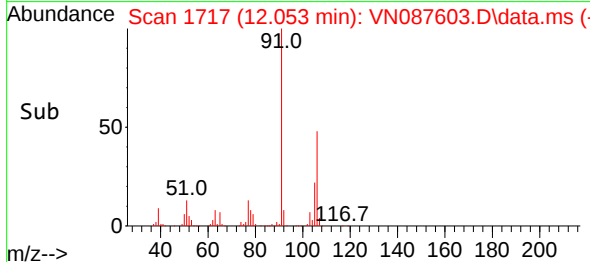
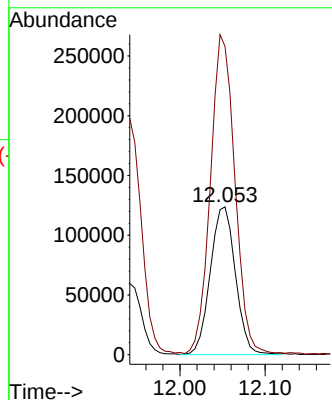
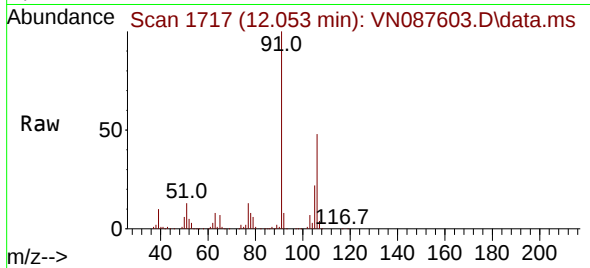
#67  
m/p-Xylenes  
Concen: 35.346 ug/l  
RT: 12.053 min Scan# 1716  
Delta R.T. 0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion:106 Resp: 25462  
Ion Ratio Lower Upper  
106 100  
91 210.7 174.2 261.2

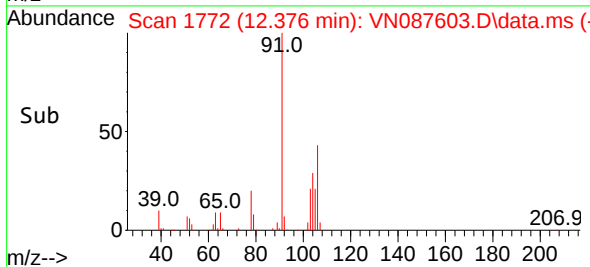
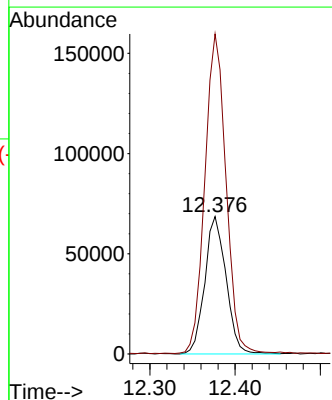
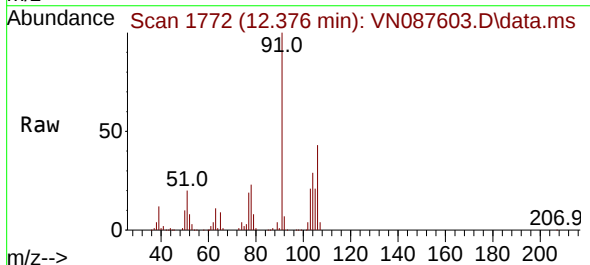
Manual Integrations  
APPROVED

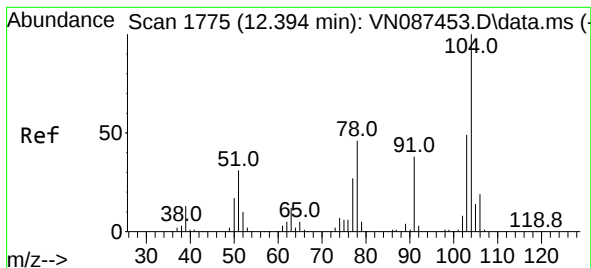
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#68  
o-Xylene  
Concen: 16.805 ug/l  
RT: 12.376 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

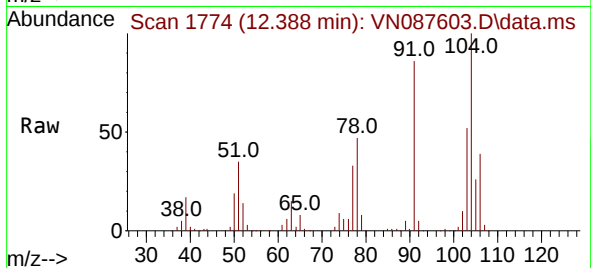
Tgt Ion:106 Resp: 119101  
Ion Ratio Lower Upper  
106 100  
91 230.7 114.5 343.5





#69  
Styrene  
Concen: 17.242 ug/l  
RT: 12.388 min Scan# 1774  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

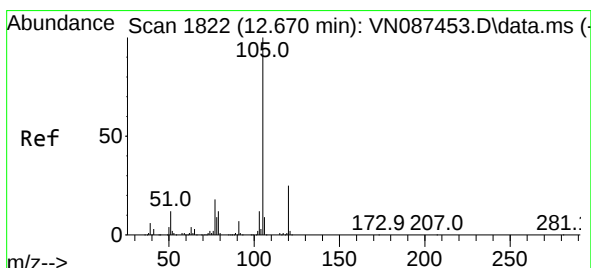
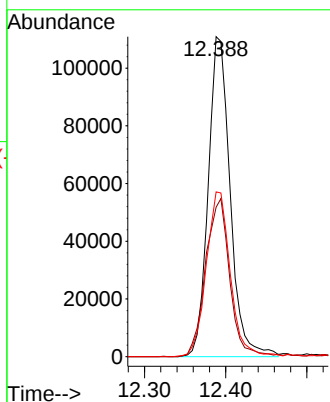
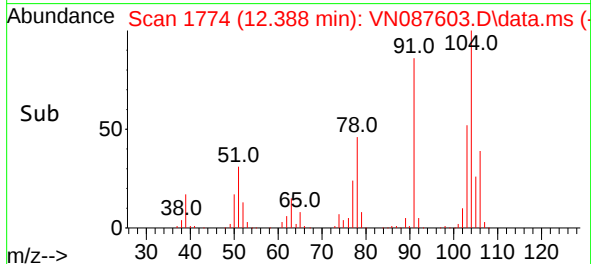
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion:104 Resp: 208652  
Ion Ratio Lower Upper  
104 100  
78 54.1 43.8 65.8  
103 55.7 43.1 64.7

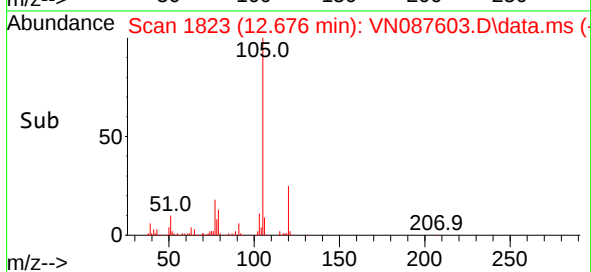
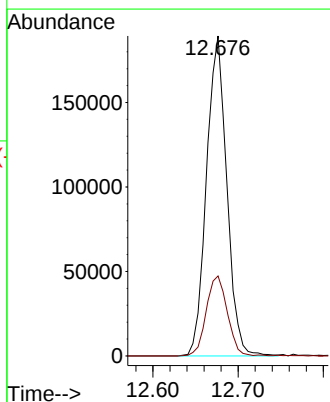
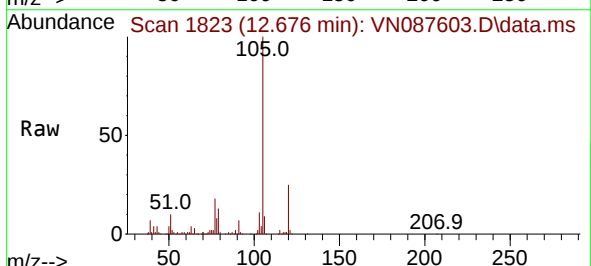
Manual Integrations  
APPROVED

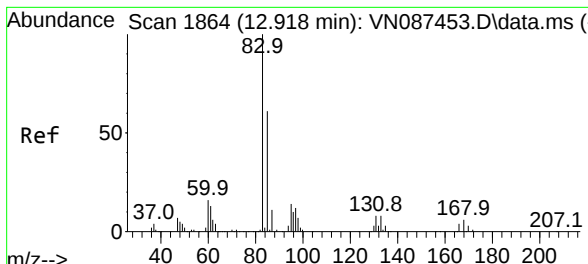
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#70  
Isopropylbenzene  
Concen: 17.430 ug/l  
RT: 12.676 min Scan# 1823  
Delta R.T. 0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

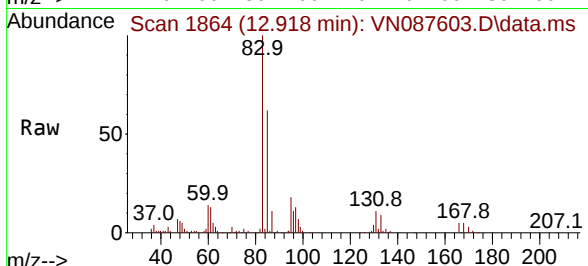
Tgt Ion:105 Resp: 313834  
Ion Ratio Lower Upper  
105 100  
120 25.8 17.5 32.5





#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 17.721 ug/l  
 RT: 12.918 min Scan# 1864  
 Delta R.T. 0.000 min  
 Lab File: VN087603.D  
 Acq: 20 Aug 2025 08:58

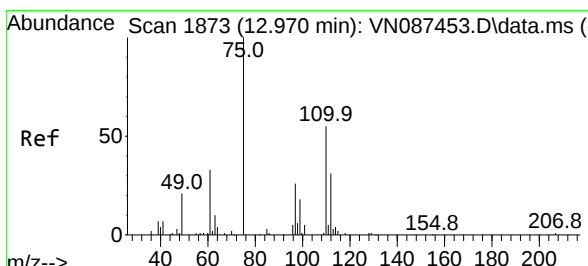
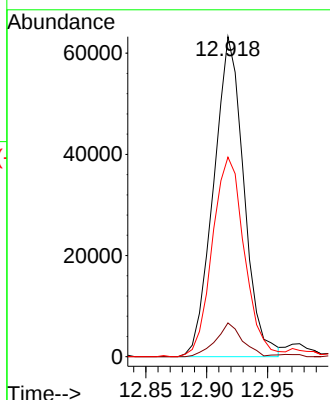
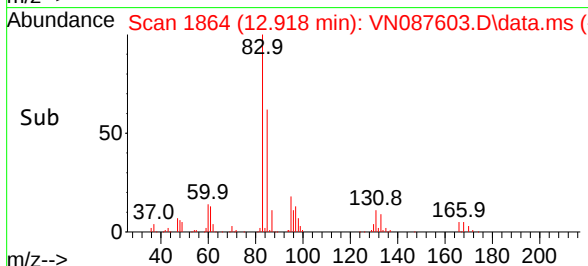
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020



Tgt Ion: 83 Resp: 10932  
 Ion Ratio Lower Upper  
 83 100  
 131 9.2 4.8 14.3  
 85 66.3 31.7 95.1

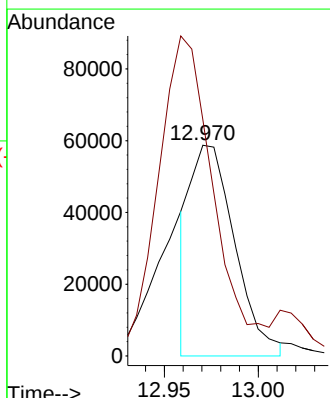
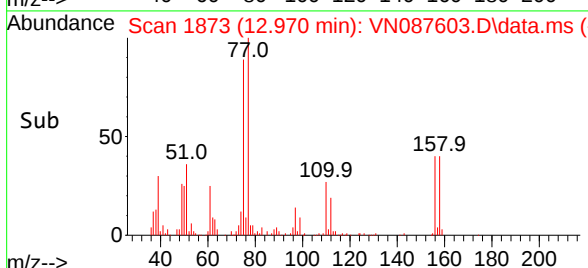
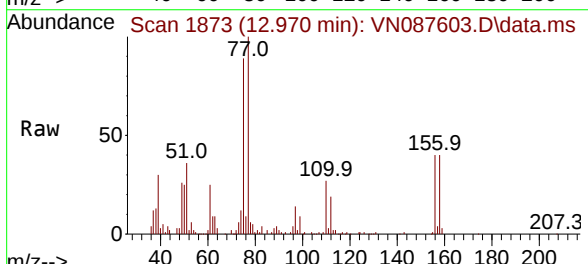
Manual Integrations  
 APPROVED

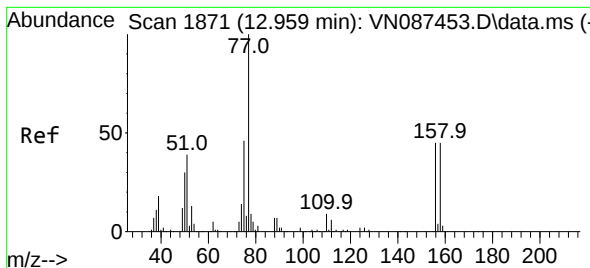
Reviewed By :John Carlone 08/21/2025  
 Supervised By :Mahesh Dadoda 08/22/2025



#72  
 1,2,3-Trichloropropane  
 Concen: 16.842 ug/l m  
 RT: 12.970 min Scan# 1873  
 Delta R.T. 0.000 min  
 Lab File: VN087603.D  
 Acq: 20 Aug 2025 08:58

Tgt Ion: 75 Resp: 96794  
 Ion Ratio Lower Upper  
 75 100  
 77 190.9 0.0 385.0





#73

Bromobenzene

Concen: 18.048 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. 0.000 min

Lab File: VN087603.D

Acq: 20 Aug 2025 08:58

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

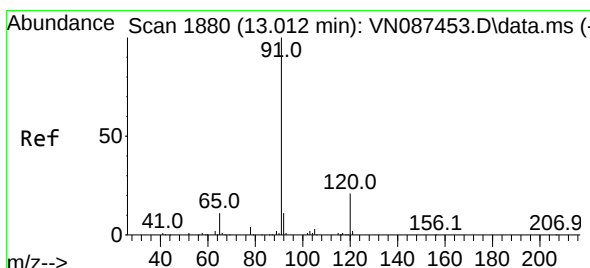
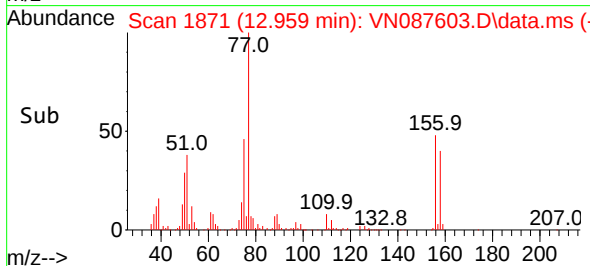
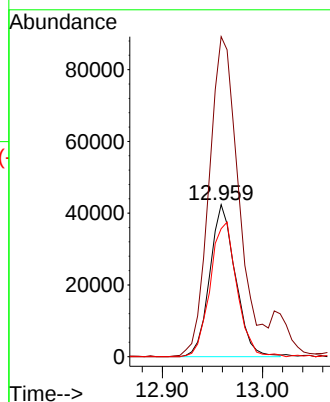
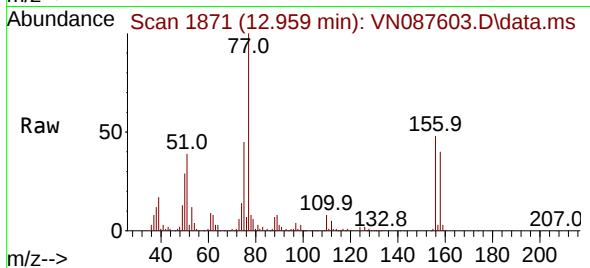
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 75330 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 245.2 | 0.0   | 506.6 |
| 158       | 91.5  | 0.0   | 193.6 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#74

n-propylbenzene

Concen: 17.603 ug/l

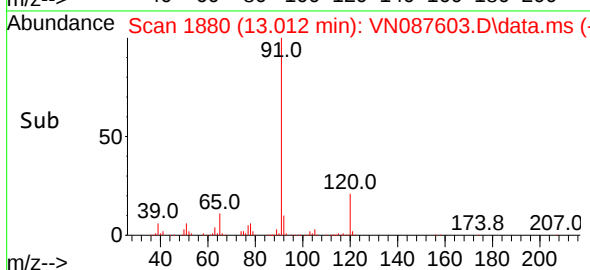
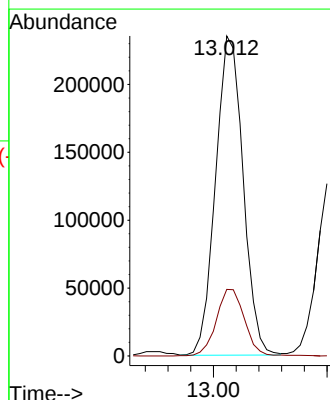
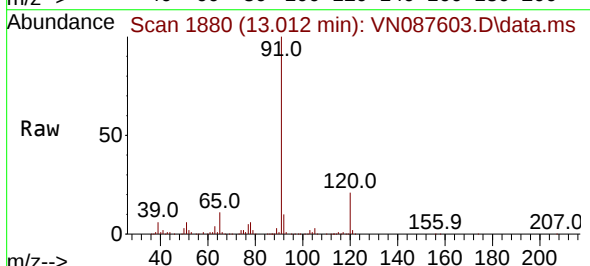
RT: 13.012 min Scan# 1880

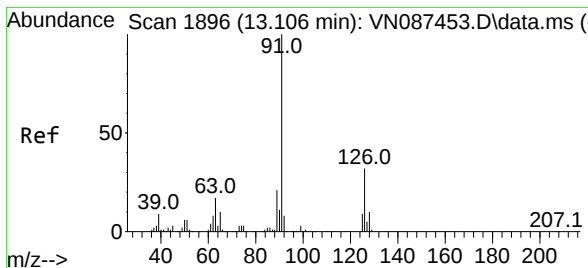
Delta R.T. 0.000 min

Lab File: VN087603.D

Acq: 20 Aug 2025 08:58

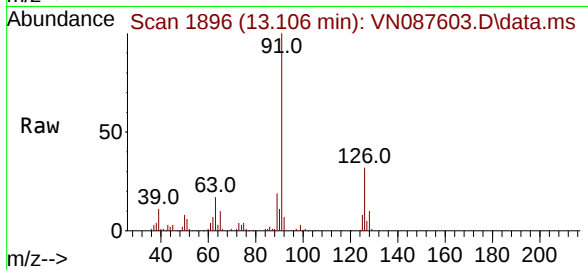
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 395838 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.2  | 0.0   | 41.8   |





#75  
2-Chlorotoluene  
Concen: 16.871 ug/l  
RT: 13.106 min Scan# 1896  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

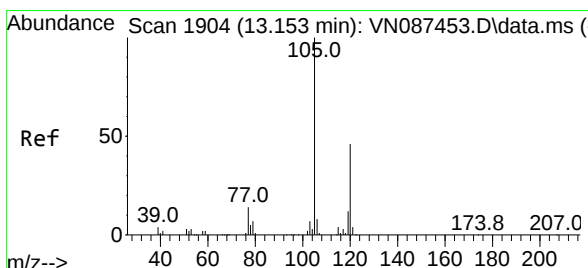
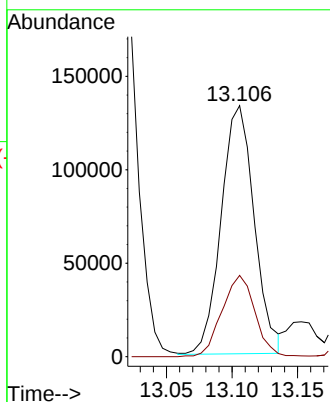
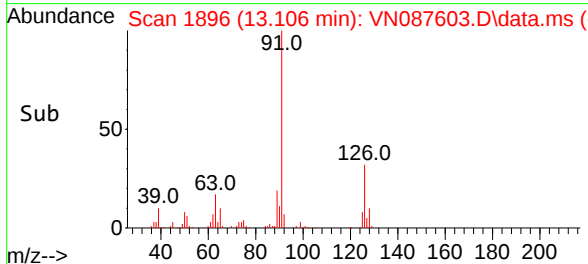
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



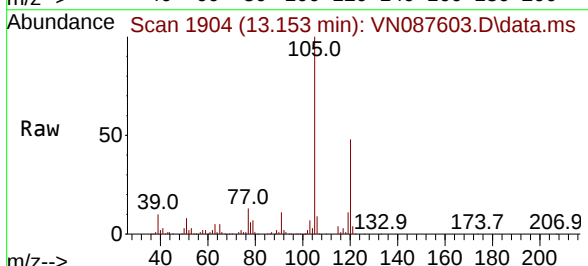
Tgt Ion: 91 Resp: 23336  
Ion Ratio Lower Upper  
91 100  
126 32.8 0.0 60.4

Manual Integrations  
APPROVED

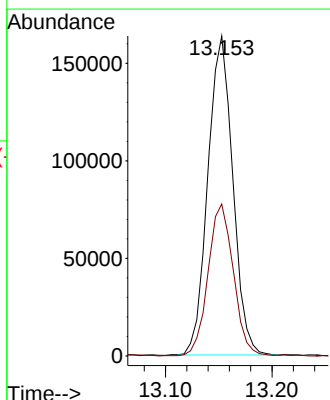
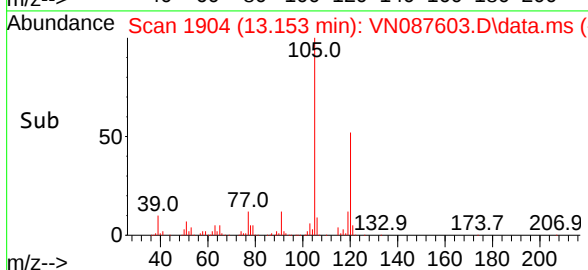
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025

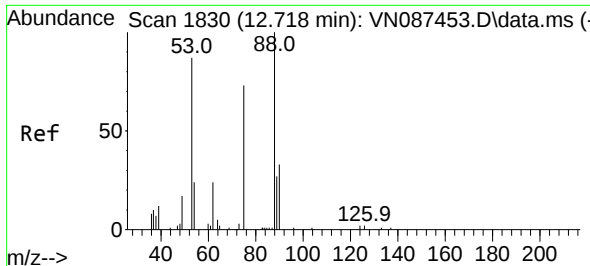


#76  
1,3,5-Trimethylbenzene  
Concen: 17.239 ug/l  
RT: 13.153 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



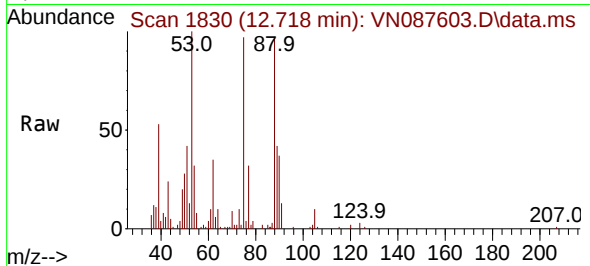
Tgt Ion:105 Resp: 265756  
Ion Ratio Lower Upper  
105 100  
120 48.0 0.0 91.2





#77  
t-1,4-Dichloro-2-butene  
Concen: 15.919 ug/l  
RT: 12.718 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

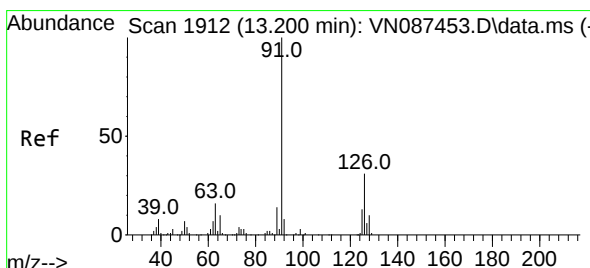
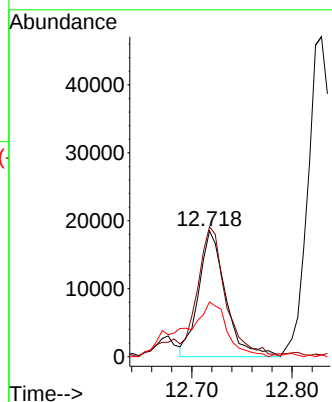
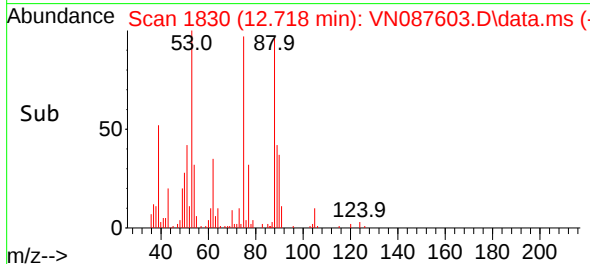
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 75 Resp: 3463  
Ion Ratio Lower Upper  
75 100  
53 101.0 59.0 176.8  
89 42.6 22.1 66.5

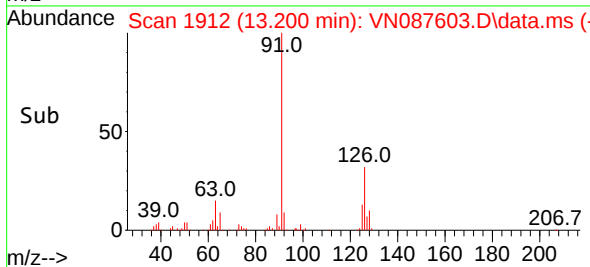
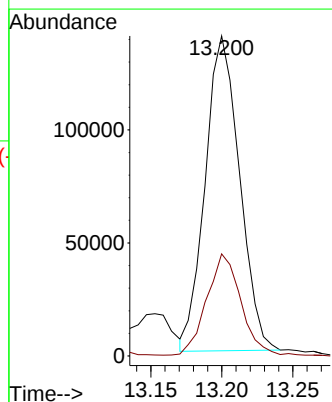
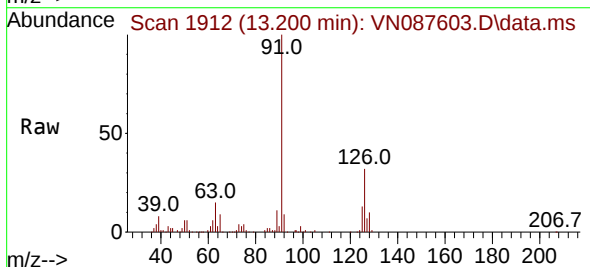
Manual Integrations  
APPROVED

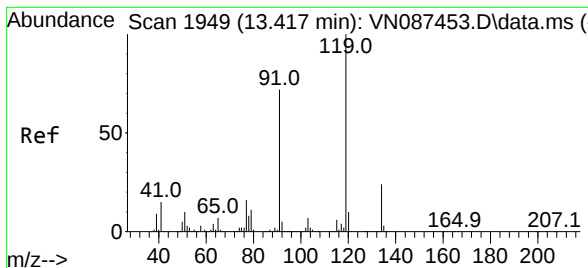
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#78  
4-Chlorotoluene  
Concen: 16.723 ug/l  
RT: 13.200 min Scan# 1912  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

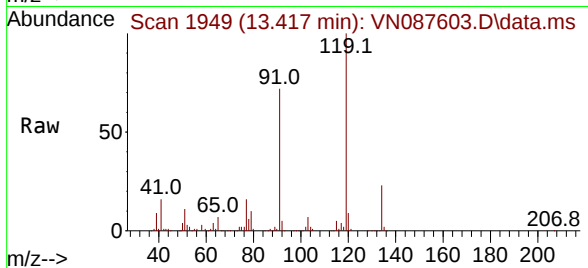
Tgt Ion: 91 Resp: 234404  
Ion Ratio Lower Upper  
91 100  
126 31.6 0.0 63.2





#79  
tert-butylbenzene  
Concen: 17.330 ug/l  
RT: 13.417 min Scan# 1949  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

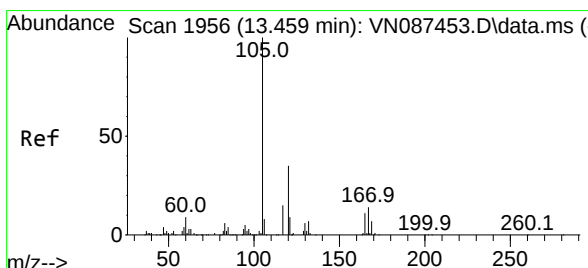
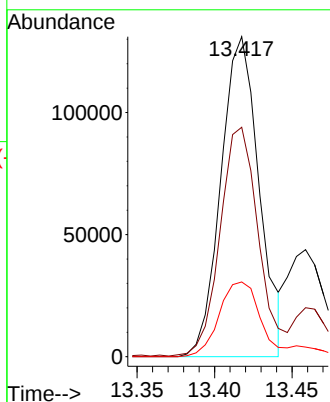
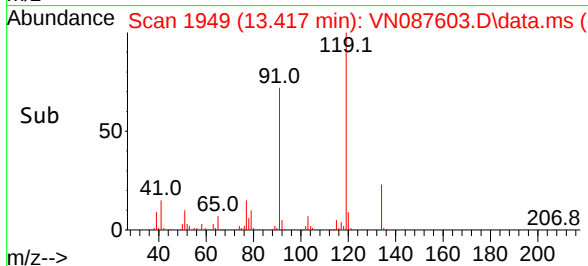
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



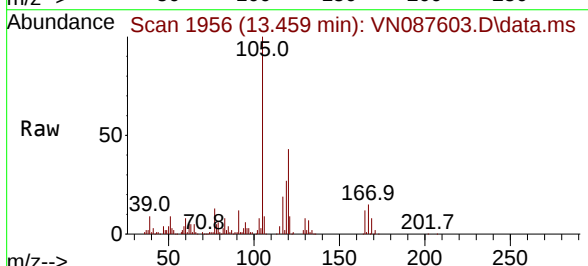
Tgt Ion:119 Resp: 225259  
Ion Ratio Lower Upper  
119 100  
91 71.9 0.0 141.6  
134 25.0 0.0 45.6

Manual Integrations  
APPROVED

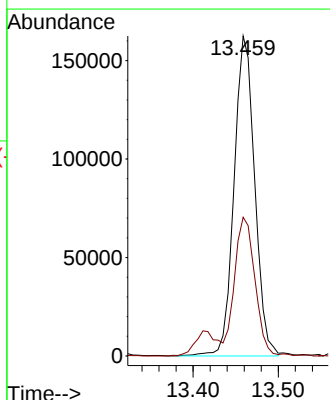
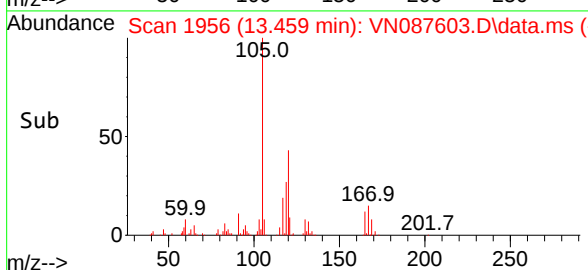
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025

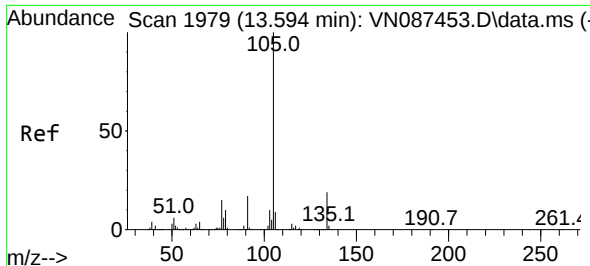


#80  
1,2,4-Trimethylbenzene  
Concen: 17.728 ug/l  
RT: 13.459 min Scan# 1956  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



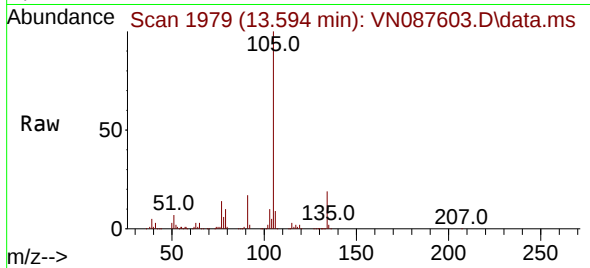
Tgt Ion:105 Resp: 273098  
Ion Ratio Lower Upper  
105 100  
120 42.2 0.0 87.2





#81  
 sec-Butylbenzene  
 Concen: 17.813 ug/l  
 RT: 13.594 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VN087603.D  
 Acq: 20 Aug 2025 08:58

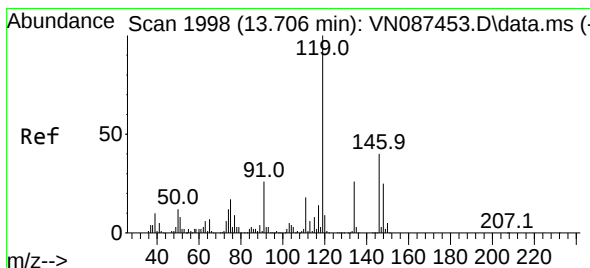
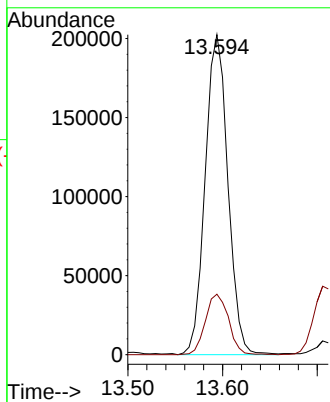
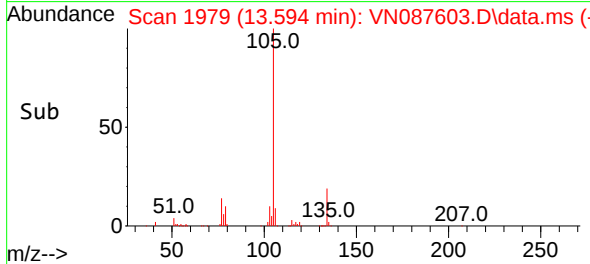
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020



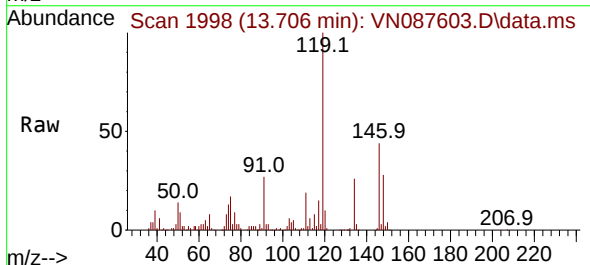
Tgt Ion:105 Resp: 33705  
 Ion Ratio Lower Upper  
 105 100  
 134 19.3 0.0 37.6

Manual Integrations  
 APPROVED

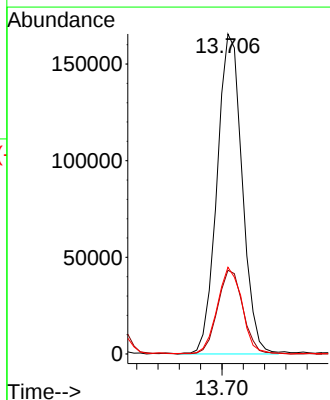
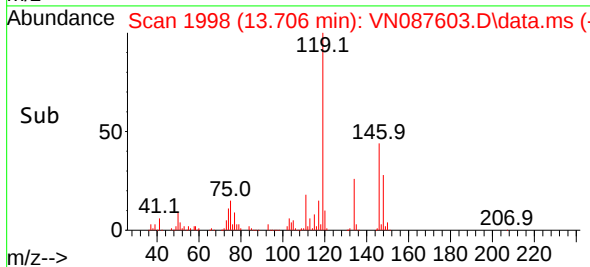
Reviewed By :John Carlone 08/21/2025  
 Supervised By :Mahesh Dadoda 08/22/2025

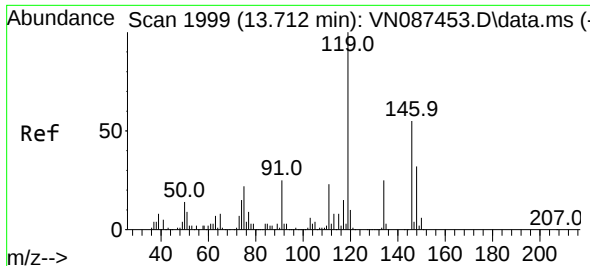


#82  
 p-Isopropyltoluene  
 Concen: 17.256 ug/l  
 RT: 13.706 min Scan# 1998  
 Delta R.T. 0.000 min  
 Lab File: VN087603.D  
 Acq: 20 Aug 2025 08:58



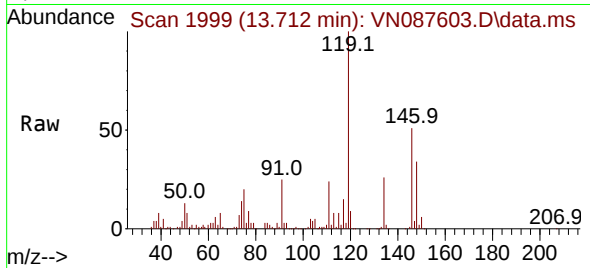
Tgt Ion:119 Resp: 271115  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 0.0 51.4  
 91 26.4 0.0 52.0





#83  
1,3-Dichlorobenzene  
Concen: 18.221 ug/l  
RT: 13.712 min Scan# 1999  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

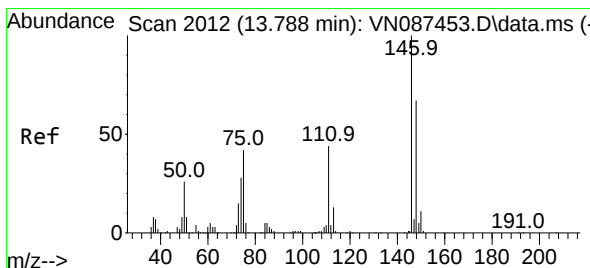
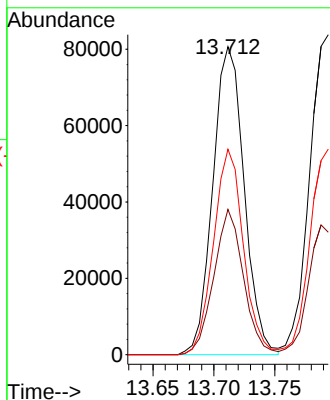
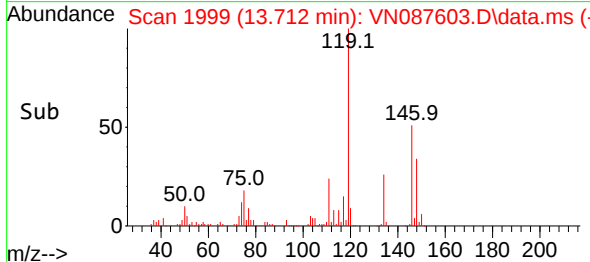
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



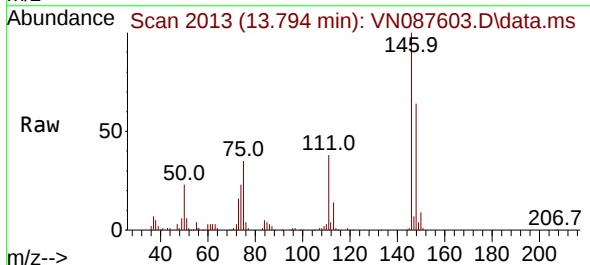
Tgt Ion:146 Resp: 144820  
Ion Ratio Lower Upper  
146 100  
111 44.6 21.9 65.5  
148 63.7 31.3 93.9

Manual Integrations  
APPROVED

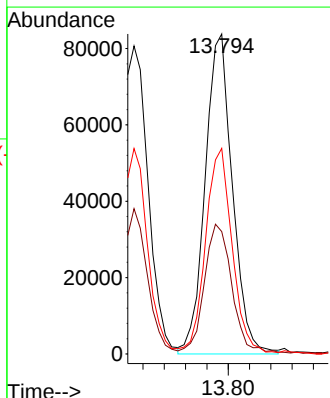
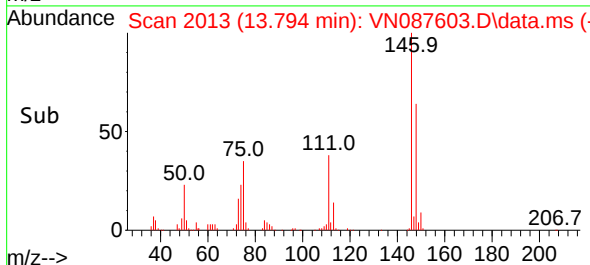
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025

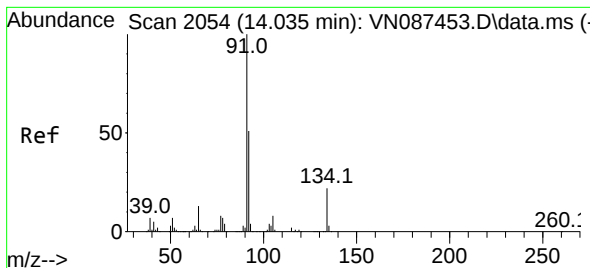


#84  
1,4-Dichlorobenzene  
Concen: 18.485 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



Tgt Ion:146 Resp: 148953  
Ion Ratio Lower Upper  
146 100  
111 38.0 21.1 63.1  
148 62.9 31.4 94.3





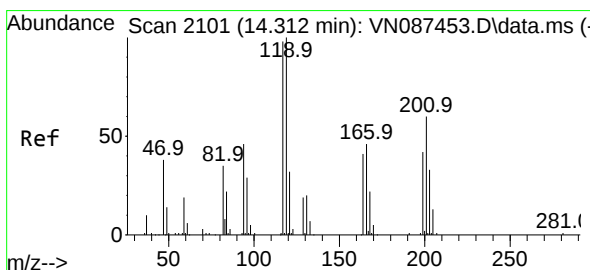
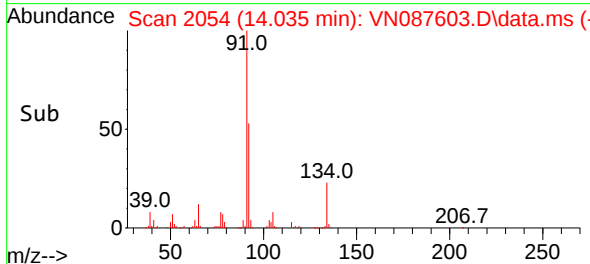
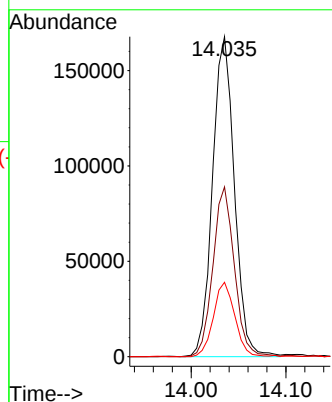
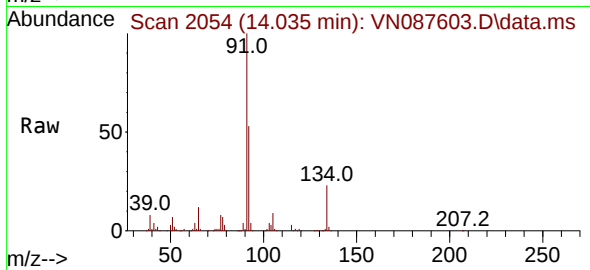
#85  
n-Butylbenzene  
Concen: 17.501 ug/l  
RT: 14.035 min Scan# 2054  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 91 Resp: 26901  
Ion Ratio Lower Upper  
91 100  
92 52.1 0.0 106.6  
134 22.8 0.0 44.4

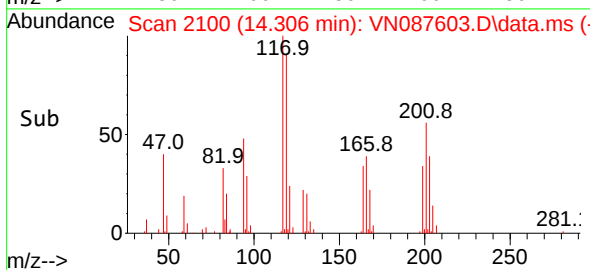
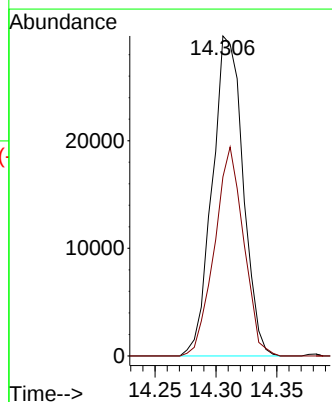
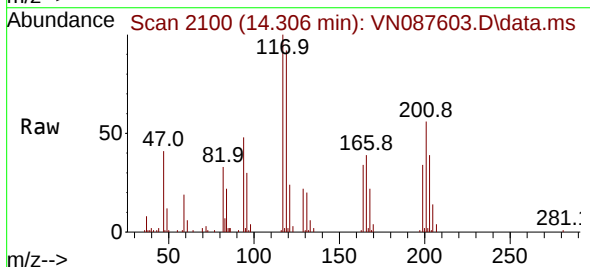
Manual Integrations  
APPROVED

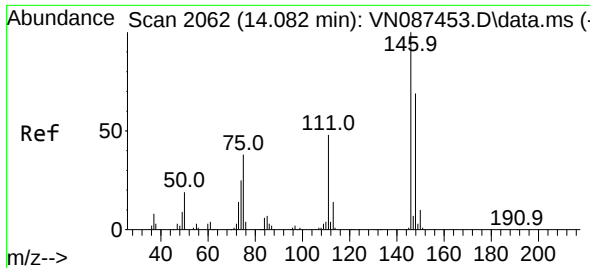
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#86  
Hexachloroethane  
Concen: 17.013 ug/l  
RT: 14.306 min Scan# 2100  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Tgt Ion:117 Resp: 52196  
Ion Ratio Lower Upper  
117 100  
201 61.9 29.1 87.4





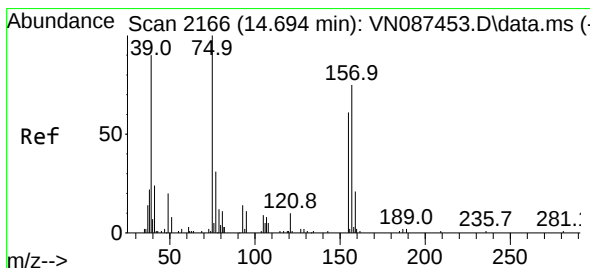
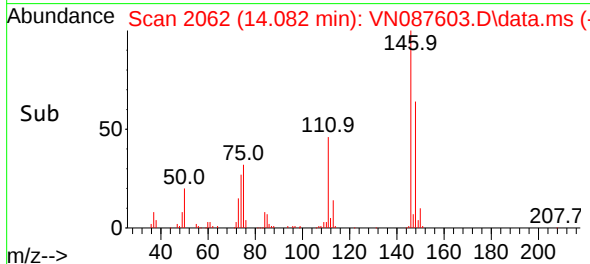
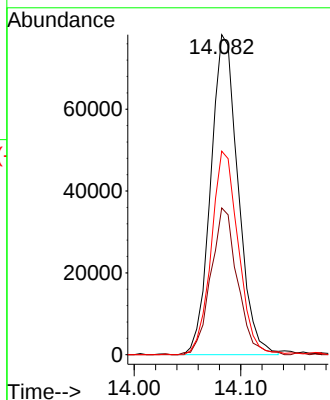
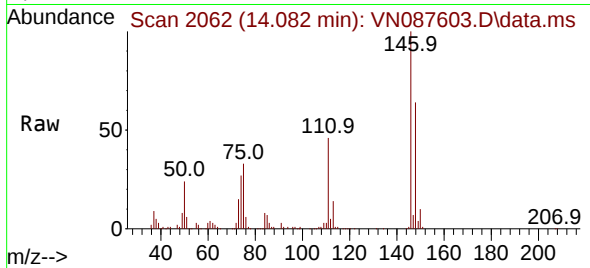
#87  
1,2-Dichlorobenzene  
Concen: 18.383 ug/l  
RT: 14.082 min Scan# 2062  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion:146 Resp: 13947  
Ion Ratio Lower Upper  
146 100  
111 44.6 22.9 68.7  
148 62.8 31.6 94.7

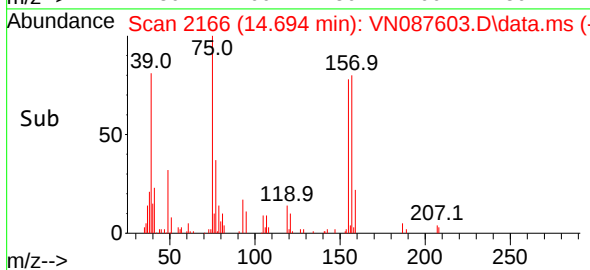
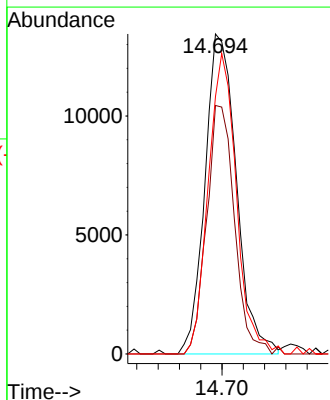
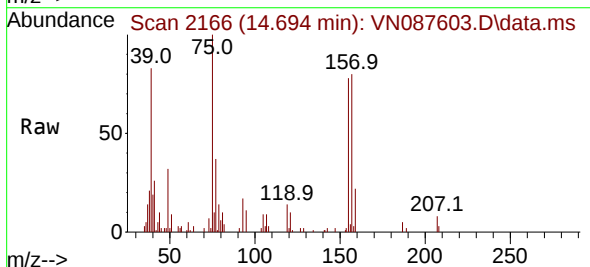
Manual Integrations  
APPROVED

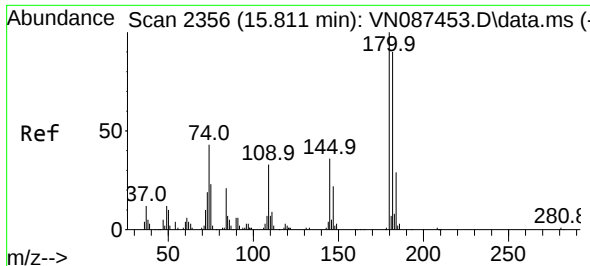
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 17.628 ug/l  
RT: 14.694 min Scan# 2166  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

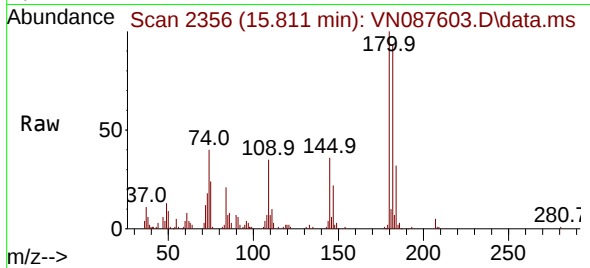
Tgt Ion: 75 Resp: 27550  
Ion Ratio Lower Upper  
75 100  
155 68.8 55.7 83.5  
157 84.0 65.8 98.6





#89  
1,2,4-Trichlorobenzene  
Concen: 17.369 ug/l  
RT: 15.811 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

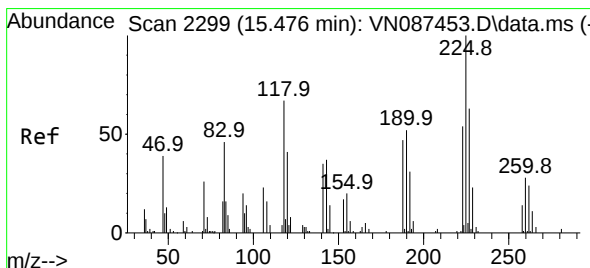
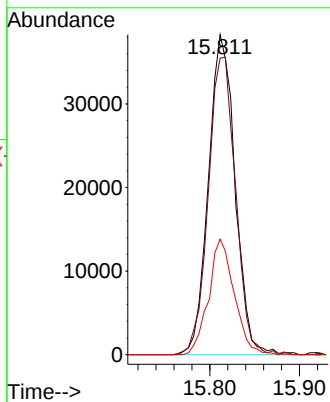
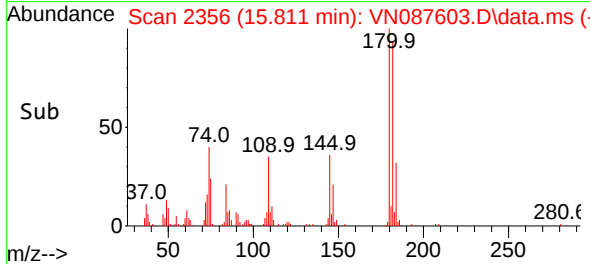
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



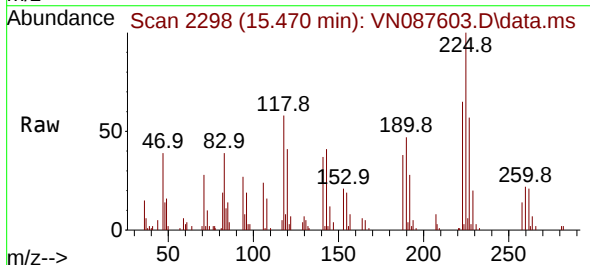
Tgt Ion:180 Resp: 7875  
Ion Ratio Lower Upper  
180 100  
182 95.1 75.0 112.4  
145 34.9 28.6 43.0

Manual Integrations  
APPROVED

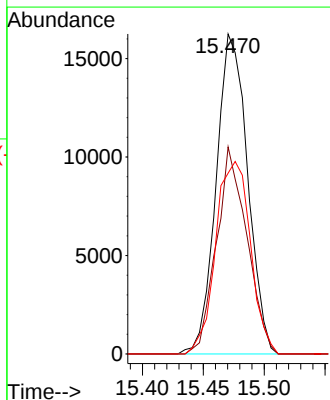
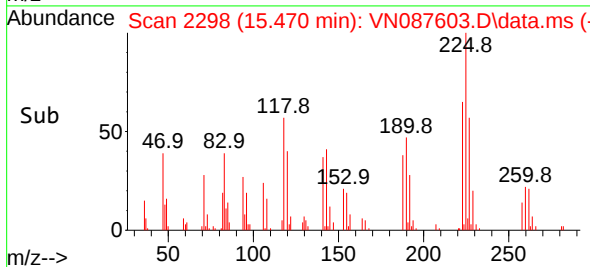
Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025

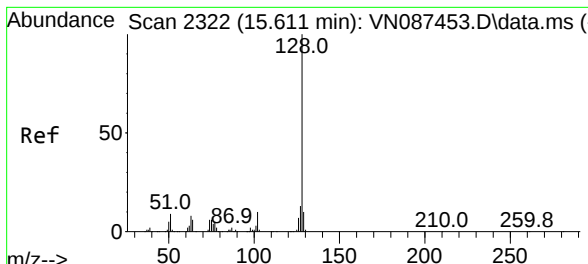


#90  
Hexachlorobutadiene  
Concen: 16.550 ug/l  
RT: 15.470 min Scan# 2298  
Delta R.T. -0.006 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58



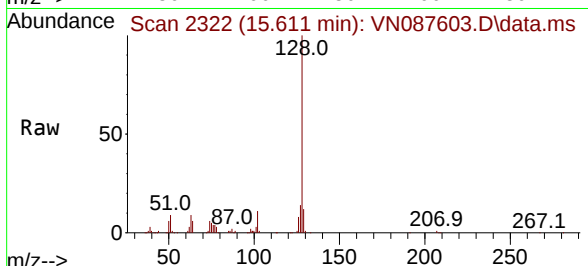
Tgt Ion:225 Resp: 29180  
Ion Ratio Lower Upper  
225 100  
223 62.7 0.0 116.0  
227 66.4 0.0 127.0





#91  
Naphthalene  
Concen: 16.839 ug/l  
RT: 15.611 min Scan# 2322  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

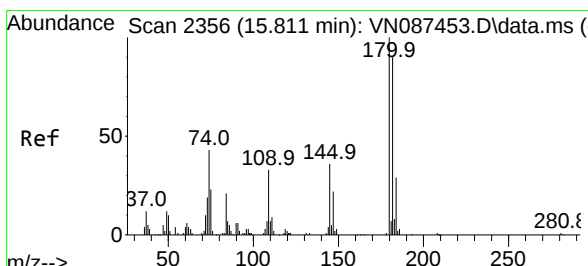
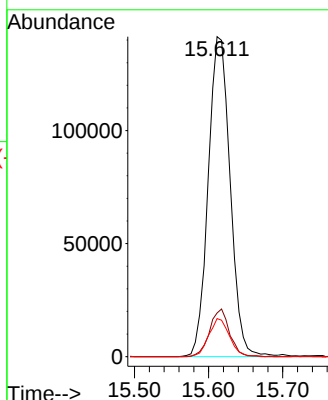
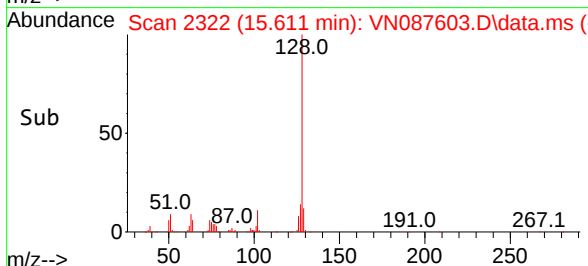
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 291130 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.5  | 10.2  | 15.4   |
| 129       | 11.2  | 8.9   | 13.3   |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/21/2025  
Supervised By :Mahesh Dadoda 08/22/2025



#92  
1,2,3-Trichlorobenzene  
Concen: 17.369 ug/l  
RT: 15.811 min Scan# 2356  
Delta R.T. 0.000 min  
Lab File: VN087603.D  
Acq: 20 Aug 2025 08:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 78757 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.1  | 0.0   | 187.4 |
| 145       | 34.9  | 0.0   | 71.6  |

