

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042325\  
 Data File : VN086381.D  
 Acq On : 23 Apr 2025 13:53  
 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN042325

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/24/2025  
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:50:37 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 24 04:42:24 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Bromochloromethane        | 7.812          | 128  | 28814               | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100          | 114  | 176766              | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865         | 117  | 160412              | 30.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.576          | 65   | 84449               | 30.399  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 101.333% |         |        |          |
| 60) 4-Bromofluorobenzene     | 12.847         | 95   | 90439               | 28.685  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 95.633%  |         |        |          |
| 63) Toluene-d8               | 10.565         | 98   | 265630              | 30.100  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 100.333% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 41142               | 20.682  | ug/l   | 95       |
| 3) Chloromethane             | 2.365          | 50   | 57712               | 20.424  | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.518          | 62   | 55345               | 20.449  | ug/l   | 100      |
| 5) Bromomethane              | 2.965          | 94   | 29651               | 20.985  | ug/l   | 98       |
| 6) Chloroethane              | 3.124          | 64   | 35793               | 19.838  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.500          | 101  | 63367               | 19.836  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.965          | 74   | 27119               | 20.111  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 39724               | 20.227  | ug/l   | 97       |
| 10) 1,1-Dichloroethene       | 4.336          | 96   | 39637               | 19.718  | ug/l   | 98       |
| 11) Methyl Iodide            | 4.588          | 142  | 47322               | 20.120  | ug/l   | 99       |
| 12) Methyl Acetate           | 5.024          | 43   | 58243               | 20.442  | ug/l   | 99       |
| 13) Acrolein                 | 4.183          | 56   | 12072               | 81.993  | ug/l   | 100      |
| 14) Acrylonitrile            | 5.718          | 53   | 107549              | 101.422 | ug/l   | 99       |
| 15) Acetone                  | 4.430          | 58   | 31433               | 107.574 | ug/l   | 88       |
| 16) Carbon Disulfide         | 4.712          | 76   | 109280              | 20.631  | ug/l   | 99       |
| 17) Allyl chloride           | 5.018          | 41   | 65341               | 20.329  | ug/l   | 98       |
| 18) Methylene Chloride       | 5.283          | 84   | 45390               | 19.828  | ug/l   | 96       |
| 19) trans-1,2-Dichloroethene | 5.788          | 96   | 43000               | 20.070  | ug/l   | 99       |
| 20) Diisopropyl ether        | 6.671          | 45   | 151075              | 19.768  | ug/l   | 98       |
| 21) 1,1-Dichloroethane       | 6.565          | 63   | 83455               | 19.950  | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 7.482          | 96   | 53300               | 19.895  | ug/l   | 98       |
| 23) tert-Butyl Alcohol       | 5.512          | 59   | 43113               | 104.953 | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.788          | 73   | 149632              | 20.147  | ug/l   | 100      |
| 25) Chloroform               | 7.965          | 83   | 83891               | 19.815  | ug/l   | 95       |
| 26) Cyclohexane              | 8.253          | 56   | 72784               | 19.705  | ug/l # | 98       |
| 29) 1,1-Dichloropropene      | 8.365          | 75   | 59993               | 19.252  | ug/l   | 99       |
| 30) 2-Butanone               | 7.477          | 43   | 149457              | 98.812  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.482          | 77   | 75995               | 18.971  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 71545               | 19.213  | ug/l   | 100      |
| 33) Carbon Tetrachloride     | 8.359          | 117  | 58859               | 19.200  | ug/l   | 97       |
| 34) Benzene                  | 8.606          | 78   | 192366              | 19.408  | ug/l   | 94       |
| 35) Methacrylonitrile        | 7.777          | 41   | 32722               | 18.965  | ug/l   | 98       |
| 36) 1,2-Dichloroethane       | 8.665          | 62   | 62633               | 19.464  | ug/l   | 99       |
| 37) Trichloroethene          | 9.347          | 130  | 47260               | 19.047  | ug/l   | 92       |
| 38) Methylcyclohexane        | 9.600          | 83   | 69133               | 19.209  | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 9.618          | 63   | 46678               | 19.063  | ug/l   | 97       |
| 40) Dibromomethane           | 9.706          | 93   | 31560               | 19.273  | ug/l   | 98       |
| 41) Bromodichloromethane     | 9.882          | 83   | 67356               | 19.438  | ug/l   | 99       |
| 42) Vinyl Acetate            | 6.600          | 43   | 514738              | 98.241  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042325\  
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 Acq On : 23 Apr 2025 13:53  
 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN042325

Quant Time: Apr 24 04:50:37 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 24 04:42:24 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 04/24/2025  
 Supervised By : Mahesh Dadoda 04/25/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 7.559  | 43   | 56564    | 18.897  | ug/l  | 99       |
| 44) Isopropyl Acetate         | 8.688  | 43   | 112514   | 19.805  | ug/l  | 98       |
| 45) 1,4-Dioxane               | 9.688  | 88   | 18241    | 411.534 | ug/l  | 97       |
| 46) Methyl methacrylate       | 9.676  | 41   | 50286    | 19.190  | ug/l  | 92       |
| 47) n-amyl Acetate            | 12.488 | 43   | 90266    | 18.642  | ug/l  | 99       |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 74255    | 19.167  | ug/l  | 98       |
| 49) cis-1,3-Dichloropropene   | 10.312 | 75   | 78577    | 19.233  | ug/l  | 96       |
| 50) 1,1,2-Trichloroethane     | 11.012 | 97   | 44981    | 19.666  | ug/l  | 98       |
| 51) Ethyl methacrylate        | 10.870 | 69   | 74966    | 18.819  | ug/l  | 100      |
| 52) 1,3-Dichloropropane       | 11.159 | 76   | 79190    | 19.590  | ug/l  | 99       |
| 53) Dibromochloromethane      | 11.353 | 129  | 48611    | 18.927  | ug/l  | 99       |
| 54) 1,2-Dibromoethane         | 11.465 | 107  | 44285    | 19.043  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 184980   | 98.770  | ug/l  | 99       |
| 56) Bromoform                 | 12.576 | 173  | 30722    | 18.434  | ug/l  | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.441 | 43   | 306519   | 98.743  | ug/l  | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 224318   | 98.060  | ug/l  | 99       |
| 61) Tetrachloroethene         | 11.100 | 164  | 46736    | 19.102  | ug/l  | 95       |
| 62) Toluene                   | 10.629 | 91   | 207649   | 19.339  | ug/l  | 97       |
| 64) Chlorobenzene             | 11.888 | 112  | 129646   | 19.378  | ug/l  | 100      |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 43109    | 19.270  | ug/l  | 99       |
| 66) Ethyl Benzene             | 11.959 | 91   | 233802   | 19.345  | ug/l  | 99       |
| 67) m/p-Xylenes               | 12.070 | 106  | 177124   | 38.625  | ug/l  | 99       |
| 68) o-Xylene                  | 12.394 | 106  | 86250    | 19.209  | ug/l  | 99       |
| 69) Styrene                   | 12.406 | 104  | 144708   | 19.014  | ug/l  | 100      |
| 70) Isopropylbenzene          | 12.694 | 105  | 215598   | 19.236  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 60151    | 20.382  | ug/l  | 99       |
| 72) 1,2,3-Trichloropropane    | 12.994 | 75   | 50492m   | 19.624  | ug/l  |          |
| 73) Bromobenzene              | 12.976 | 156  | 49645    | 19.266  | ug/l  | 98       |
| 74) n-propylbenzene           | 13.029 | 91   | 253908   | 19.064  | ug/l  | 100      |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 159080   | 19.133  | ug/l  | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 177597   | 19.311  | ug/l  | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 24658    | 18.884  | ug/l  | 95       |
| 78) 4-Chlorotoluene           | 13.217 | 91   | 158316   | 19.044  | ug/l  | 99       |
| 79) tert-butylbenzene         | 13.435 | 119  | 151069   | 19.180  | ug/l  | 100      |
| 80) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 179423   | 19.103  | ug/l  | 99       |
| 81) sec-Butylbenzene          | 13.611 | 105  | 214645   | 19.091  | ug/l  | 100      |
| 82) p-Isopropyltoluene        | 13.723 | 119  | 177486   | 18.866  | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 92009    | 18.889  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 13.811 | 146  | 92122    | 19.142  | ug/l  | 98       |
| 85) n-Butylbenzene            | 14.053 | 91   | 157496   | 18.762  | ug/l  | 99       |
| 86) Hexachloroethane          | 14.329 | 117  | 28240    | 18.358  | ug/l  | 99       |
| 87) 1,2-Dichlorobenzene       | 14.100 | 146  | 88423    | 19.078  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 11808    | 19.684  | ug/l  | 97       |
| 89) 1,2,4-Trichlorobenzene    | 15.835 | 180  | 42238    | 19.995  | ug/l  | 98       |
| 90) Hexachlorobutadiene       | 15.494 | 225  | 18323    | 21.534  | ug/l  | 98       |
| 91) Naphthalene               | 15.635 | 128  | 154380   | 20.413  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 42238    | 19.995  | ug/l  | 98       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042325\  
 Data File : VN086381.D  
 Acq On : 23 Apr 2025 13:53  
 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

## Instrument :

MSVOA\_N

## Client Sample Id :

ICVVN042325

## Manual Integrations

## APPROVED

Reviewed By : John Carlone 04/24/2025

Supervised By : Mahesh Dadoda 04/25/2025

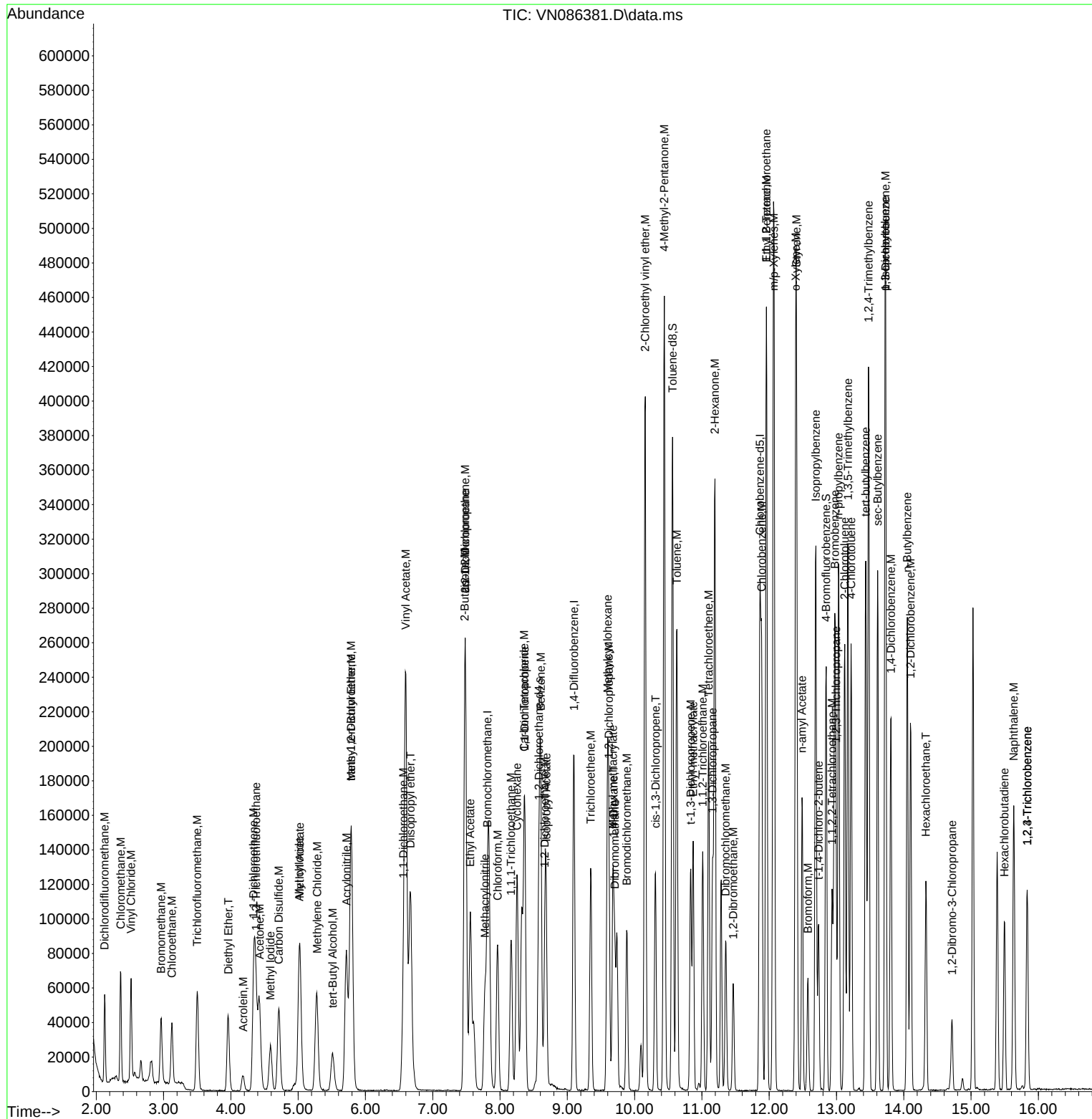
Quant Time: Apr 24 04:50:37 2025

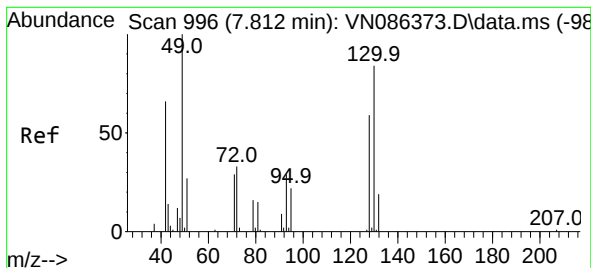
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042325W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Thu Apr 24 04:42:24 2025

Response via : Initial Calibration





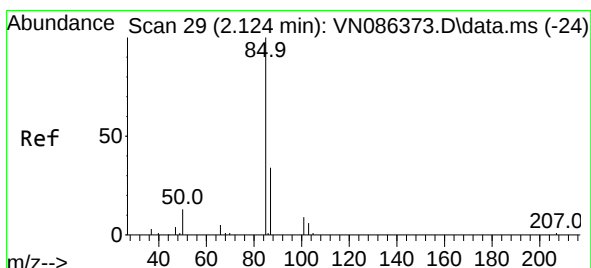
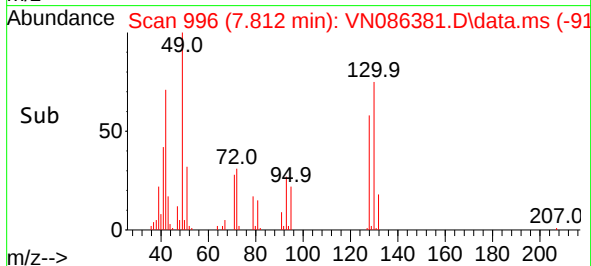
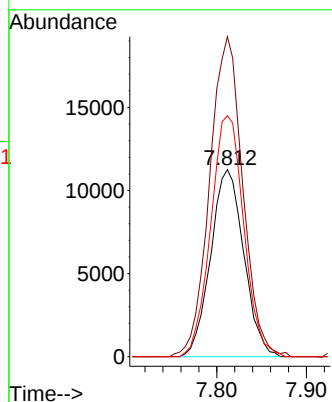
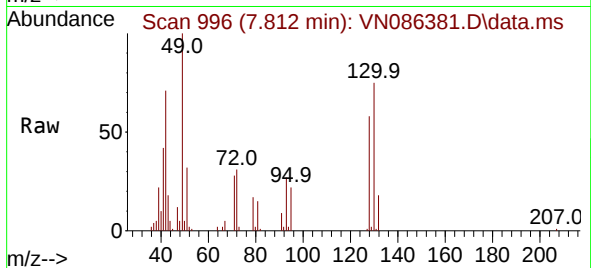
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument : MSVOA\_N  
ClientSampleId : ICVVN042325

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 171.1 | 0.0   | 433.8 |
| 130     | 128.7 | 0.0   | 325.0 |

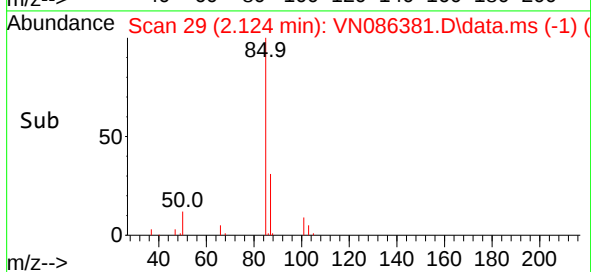
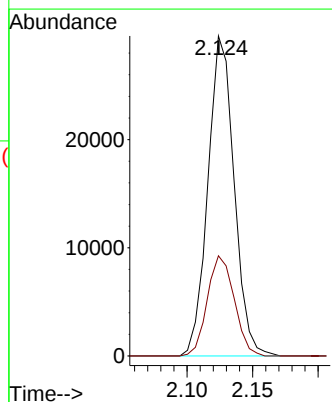
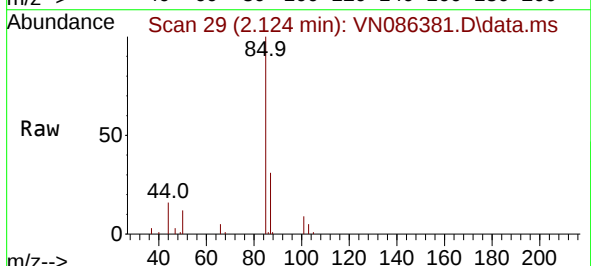
Manual Integrations  
APPROVED

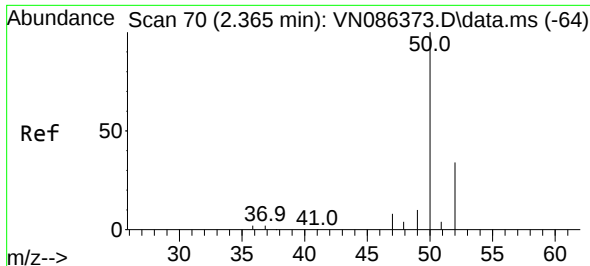
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#2  
Dichlorodifluoromethane  
Concen: 20.682 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 31.3  | 17.0  | 50.9  |





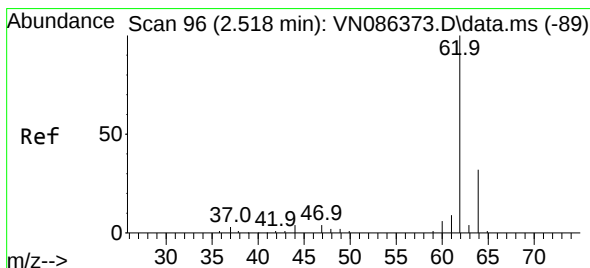
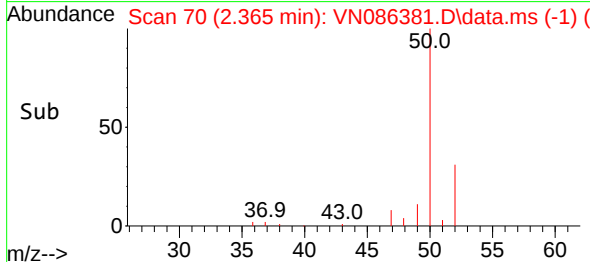
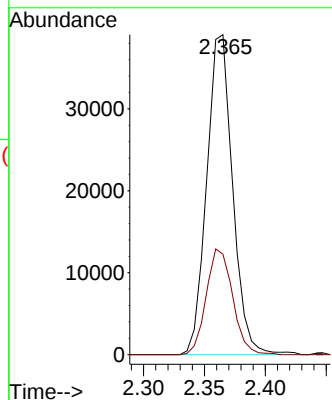
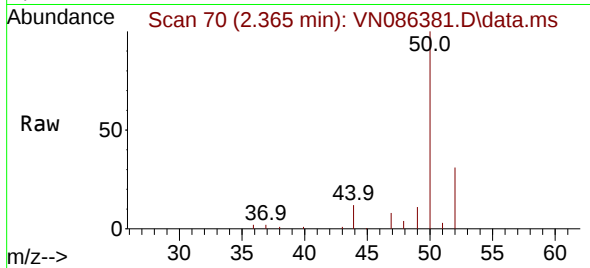
#3  
Chloromethane  
Concen: 20.424 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325

Tgt Ion: 50 Resp: 5771  
Ion Ratio Lower Upper  
50 100  
52 31.4 27.3 40.9

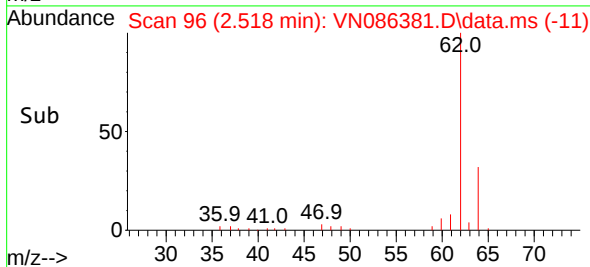
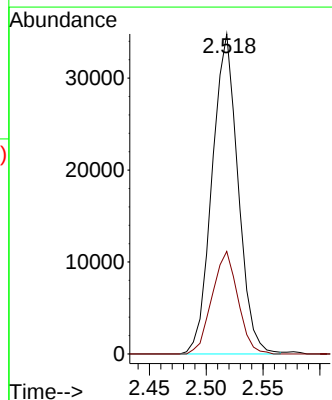
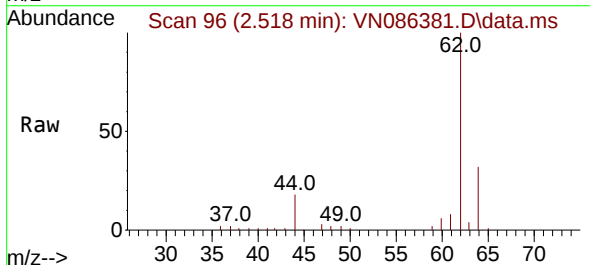
Manual Integrations  
APPROVED

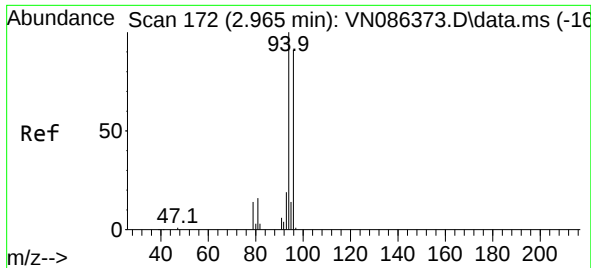
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#4  
Vinyl Chloride  
Concen: 20.449 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

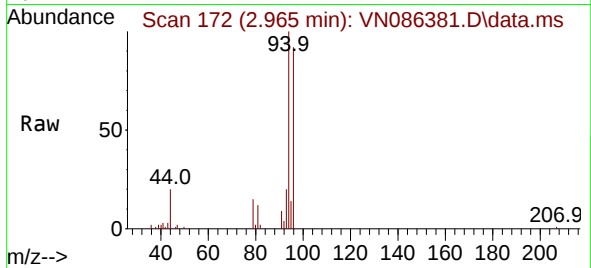
Tgt Ion: 62 Resp: 55345  
Ion Ratio Lower Upper  
62 100  
64 32.1 25.8 38.8





#5  
Bromomethane  
Concen: 20.985 ug/l  
RT: 2.965 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

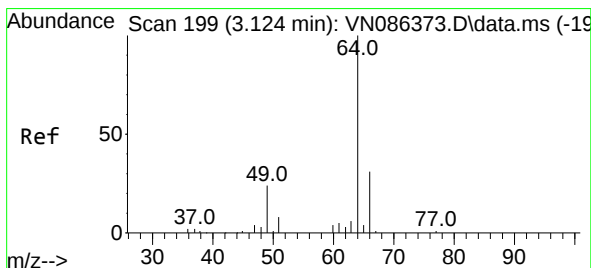
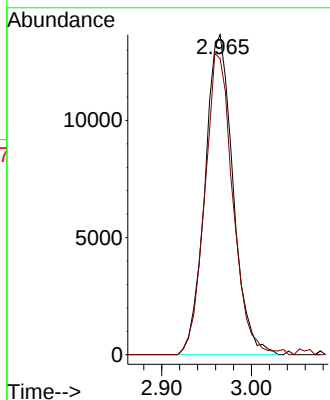
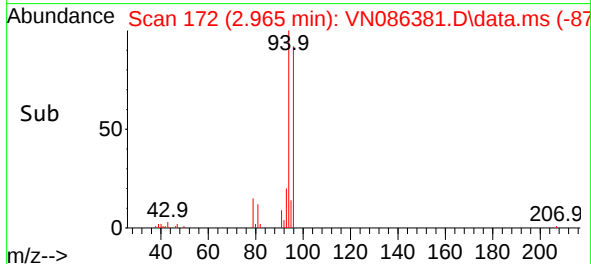
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion: 94 Resp: 2965  
Ion Ratio Lower Upper  
94 100  
96 92.5 72.4 108.6

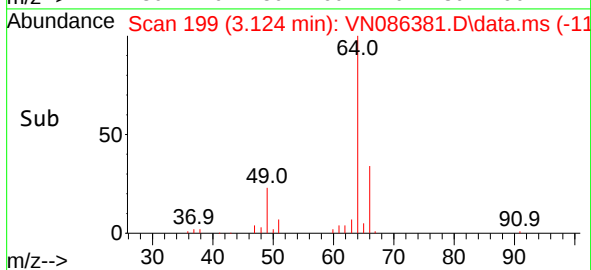
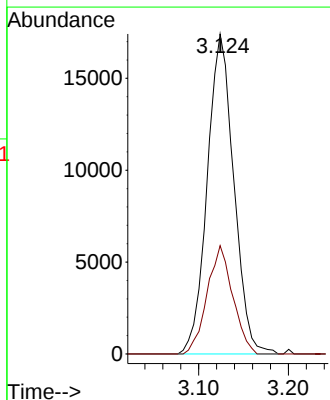
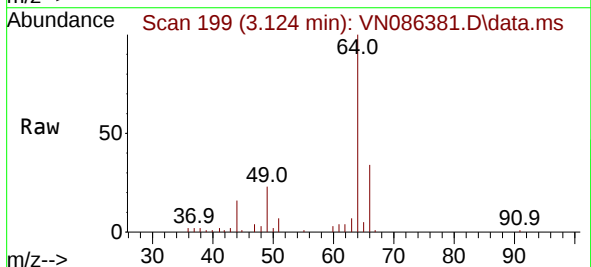
Manual Integrations  
APPROVED

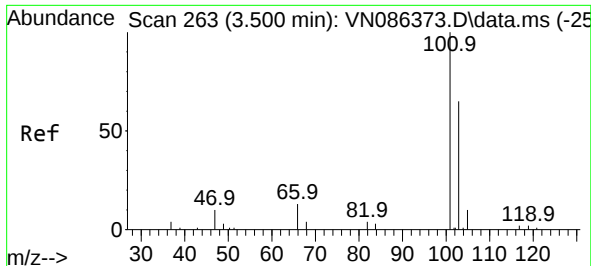
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#6  
Chloroethane  
Concen: 19.838 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Tgt Ion: 64 Resp: 35793  
Ion Ratio Lower Upper  
64 100  
66 33.8 24.5 36.7





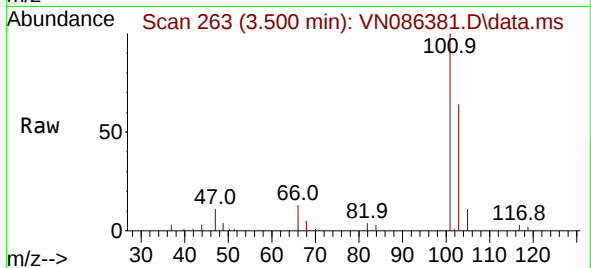
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 Trichlorofluoromethane  
 Concen: 19.836 ug/l  
 RT: 3.500 min Scan# 201  
 Delta R.T. -0.000 min  
 Lab File: VN086381.D  
 Acq: 23 Apr 2025 13:53

Instrument :

MSVOA\_N

ClientSampleId :

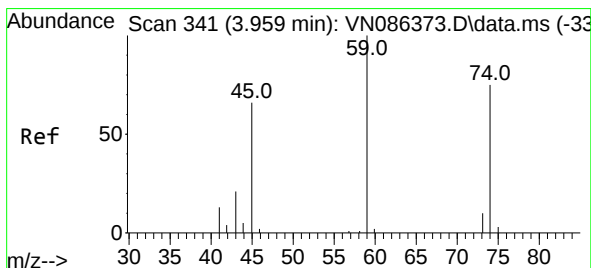
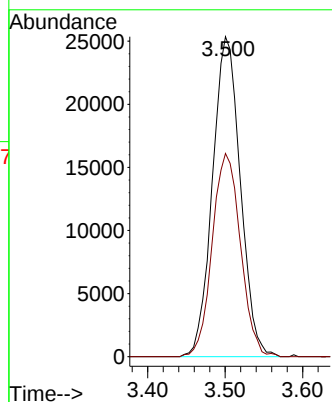
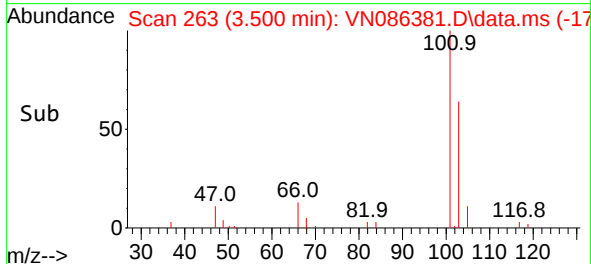
ICVVN042325



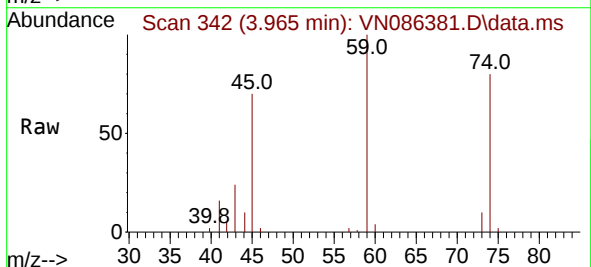
Tgt Ion:101 Resp: 6336  
 Ion Ratio Lower Upper  
 101 100  
 103 63.5 51.8 77.6

Manual Integrations  
 APPROVED

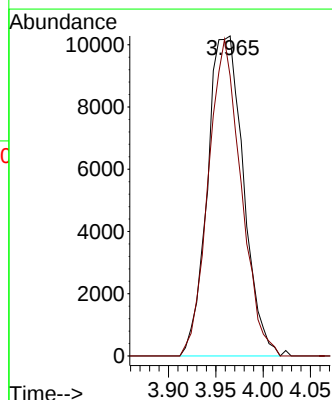
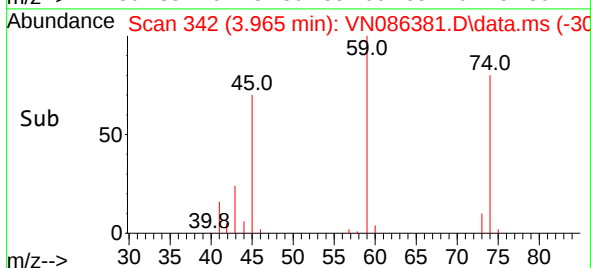
Reviewed By :John Carlone 04/24/2025  
 Supervised By :Mahesh Dadoda 04/25/2025

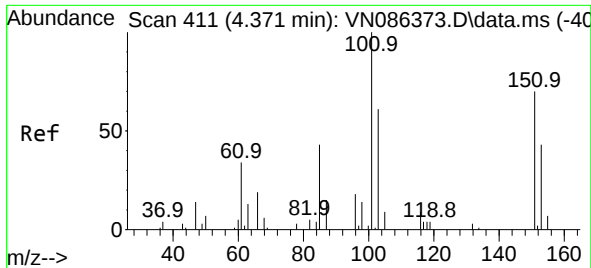


#8  
 Diethyl Ether  
 Concen: 20.111 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. 0.006 min  
 Lab File: VN086381.D  
 Acq: 23 Apr 2025 13:53



Tgt Ion: 74 Resp: 27119  
 Ion Ratio Lower Upper  
 74 100  
 45 90.4 18.5 166.3





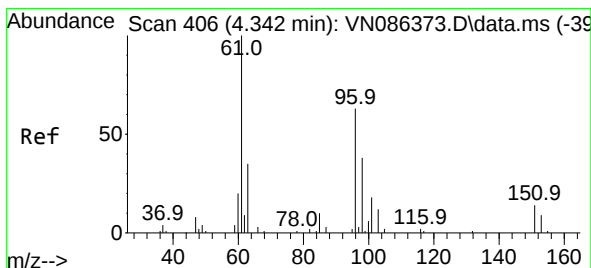
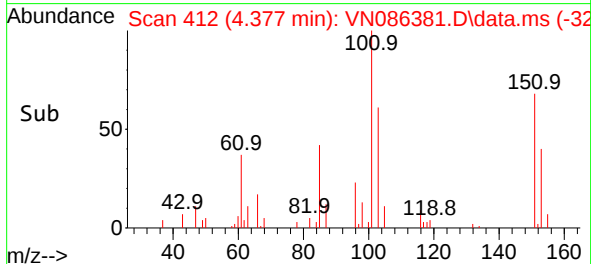
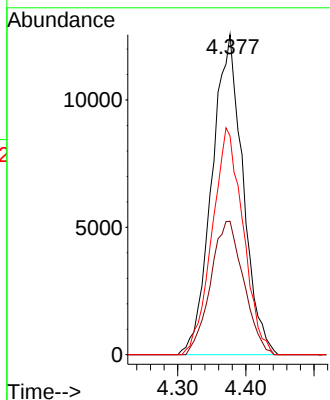
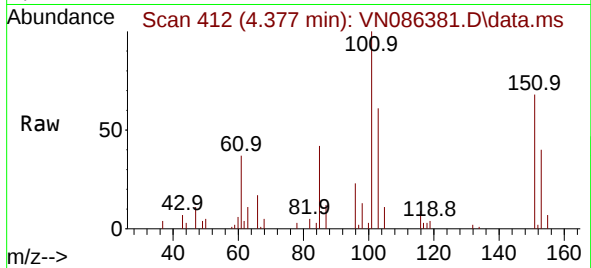
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.227 ug/l  
RT: 4.377 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325

Tgt Ion:101 Resp: 39724  
Ion Ratio Lower Upper  
101 100  
85 44.4 0.0 84.4  
151 70.9 0.0 145.8

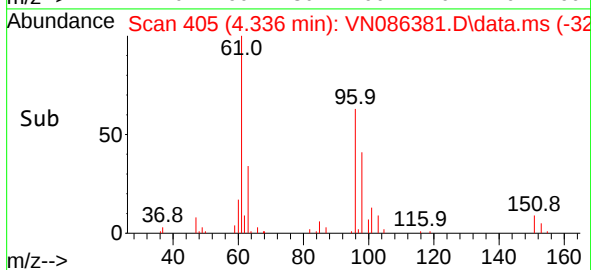
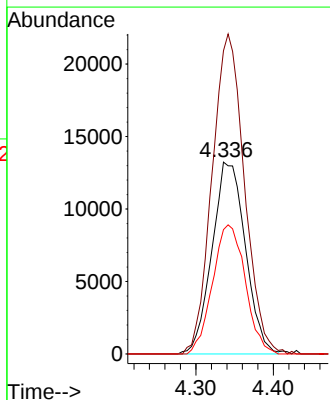
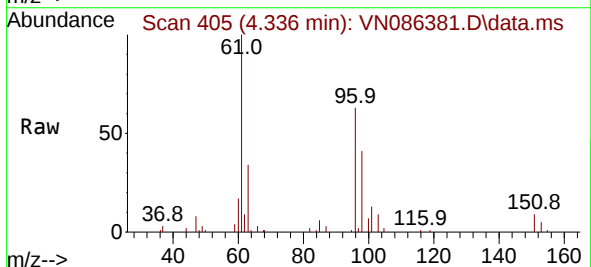
Manual Integrations  
APPROVED

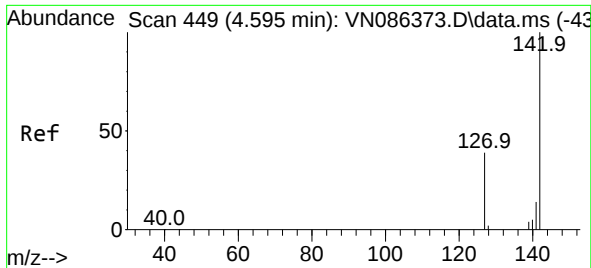
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#10  
1,1-Dichloroethene  
Concen: 19.718 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

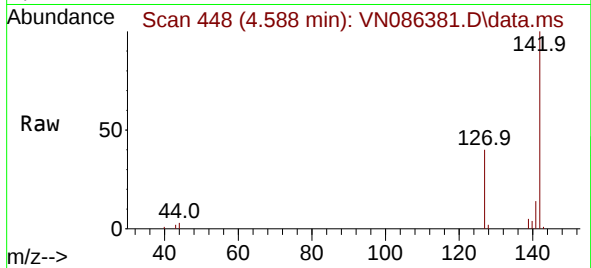
Tgt Ion: 96 Resp: 39637  
Ion Ratio Lower Upper  
96 100  
61 158.1 126.2 189.4  
98 64.9 48.5 72.7





#11  
Methyl Iodide  
Concen: 20.120 ug/l  
RT: 4.588 min Scan# 449  
Delta R.T. -0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

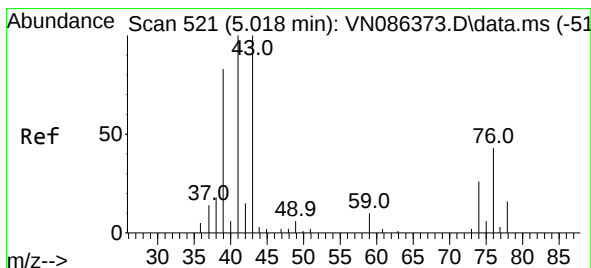
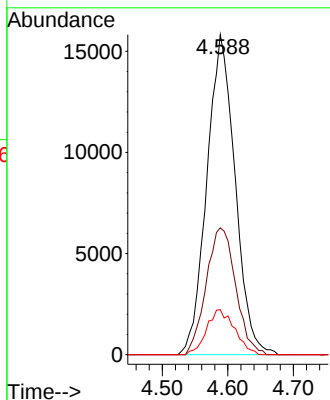
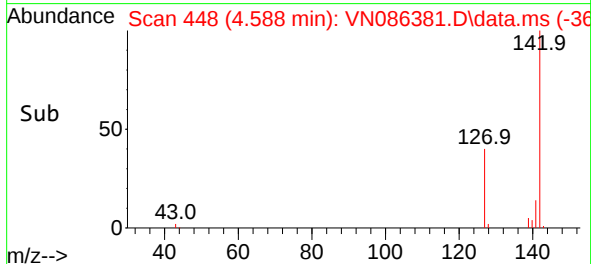
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion:142 Resp: 4732  
Ion Ratio Lower Upper  
142 100  
127 39.6 19.3 57.9  
141 14.0 7.1 21.3

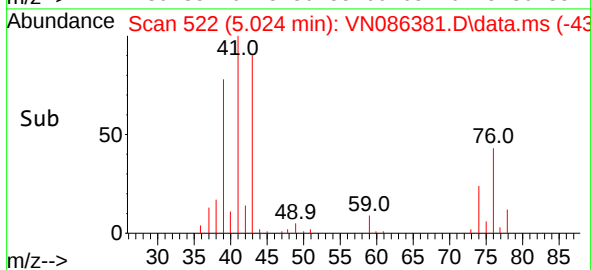
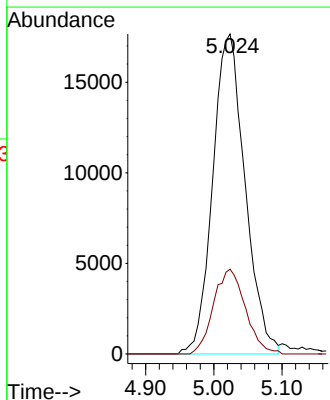
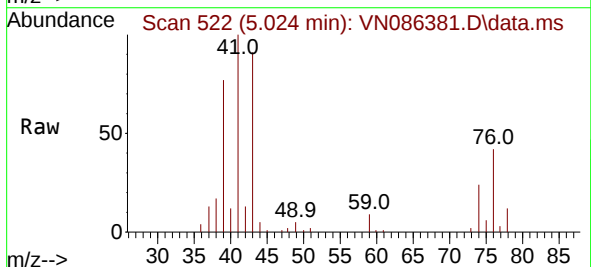
Manual Integrations  
APPROVED

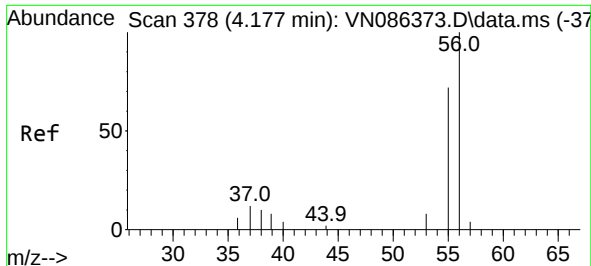
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#12  
Methyl Acetate  
Concen: 20.442 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Tgt Ion: 43 Resp: 58243  
Ion Ratio Lower Upper  
43 100  
74 26.3 20.8 31.2





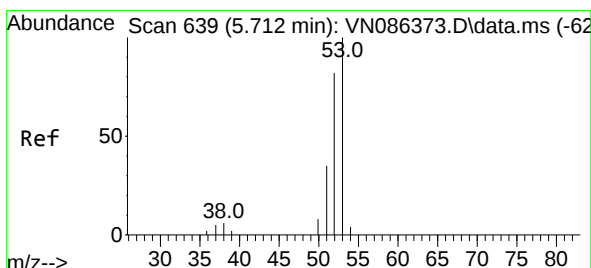
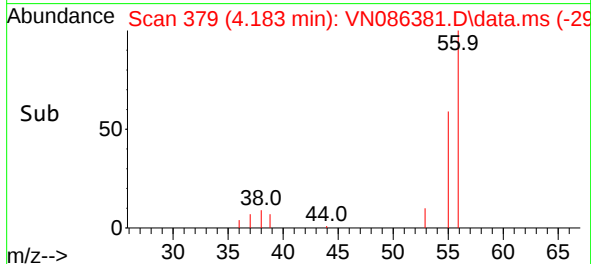
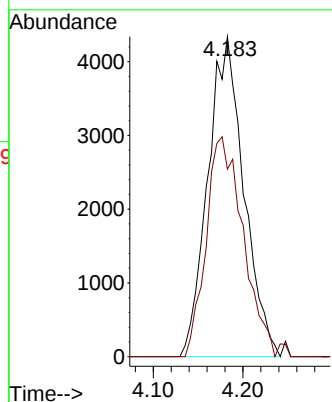
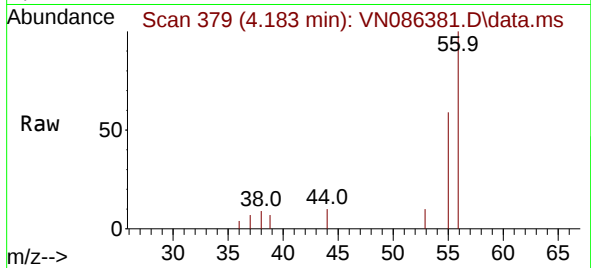
#13  
Acrolein  
Concen: 81.993 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325

Tgt Ion: 56 Resp: 12072  
Ion Ratio Lower Upper  
56 100  
55 70.2 56.1 84.1

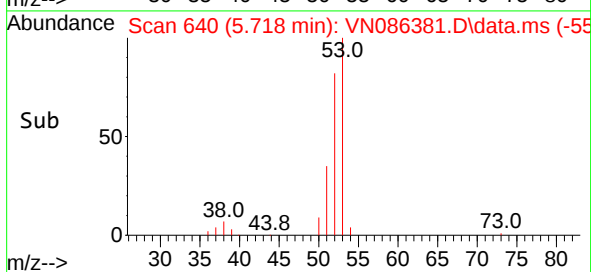
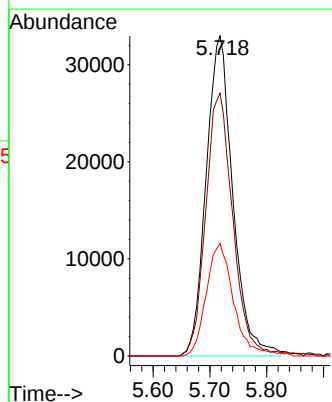
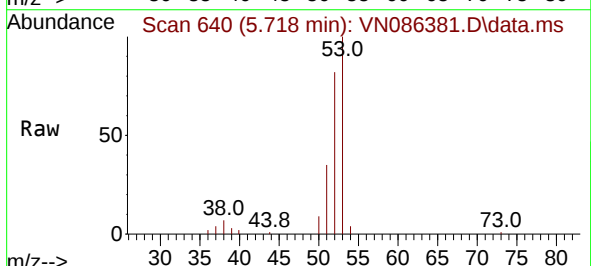
Manual Integrations  
APPROVED

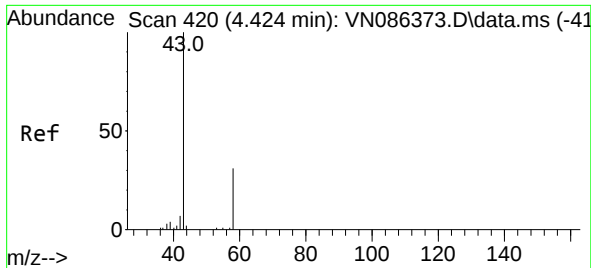
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#14  
Acrylonitrile  
Concen: 101.422 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Tgt Ion: 53 Resp: 107549  
Ion Ratio Lower Upper  
53 100  
52 82.6 41.2 123.6  
51 36.0 17.6 52.8





#15

Acetone

Concen: 107.574 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN042325

Tgt Ion: 58 Resp: 3143

Ion Ratio Lower Upper

58 100

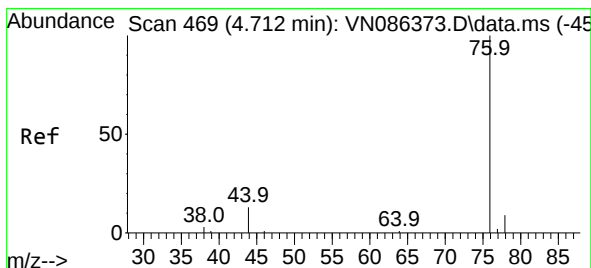
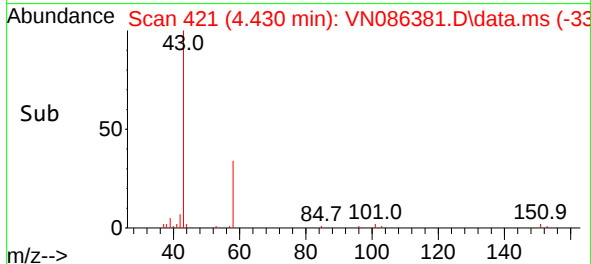
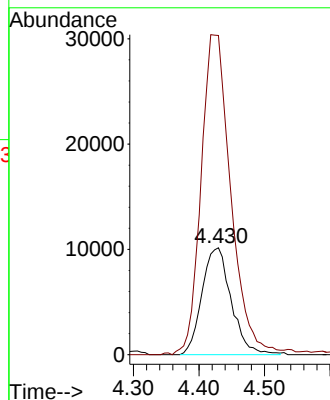
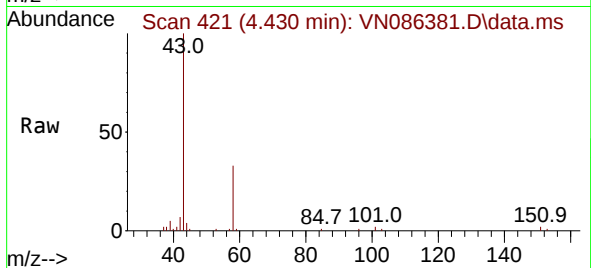
43 294.4 255.1 382.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#16

Carbon Disulfide

Concen: 20.631 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086381.D

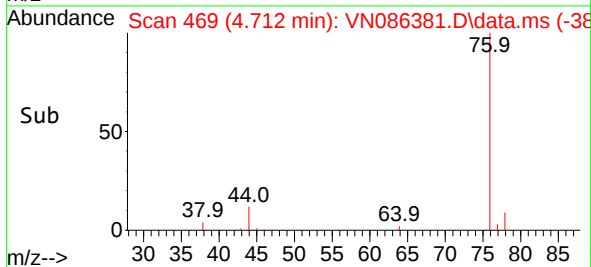
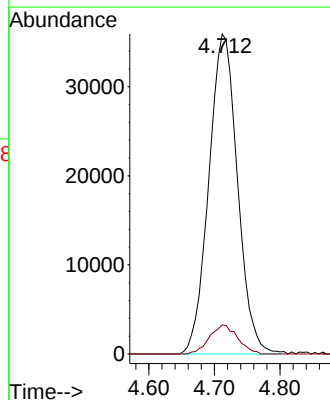
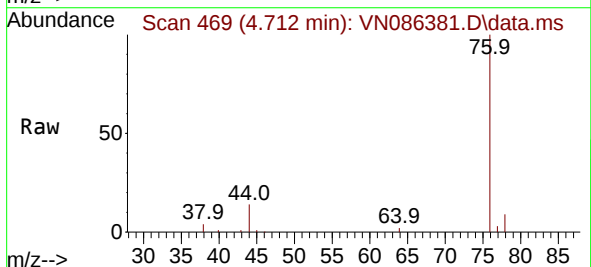
Acq: 23 Apr 2025 13:53

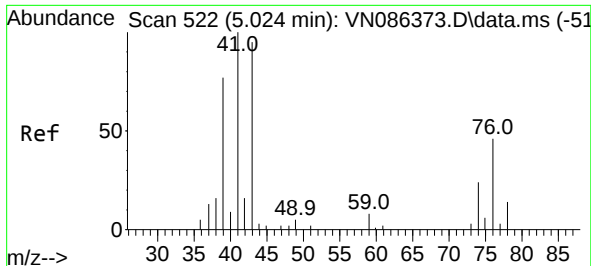
Tgt Ion: 76 Resp: 109280

Ion Ratio Lower Upper

76 100

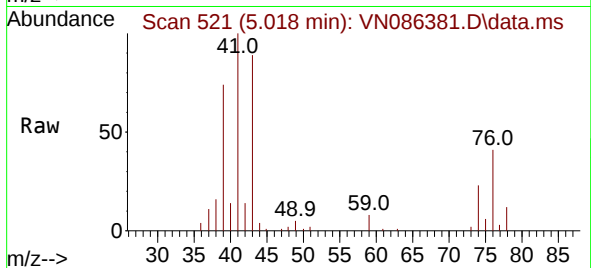
78 9.1 7.1 10.7





#17  
 Allyl chloride  
 Concen: 20.329 ug/l  
 RT: 5.018 min Scan# 51  
 Delta R.T. -0.006 min  
 Lab File: VN086381.D  
 Acq: 23 Apr 2025 13:53

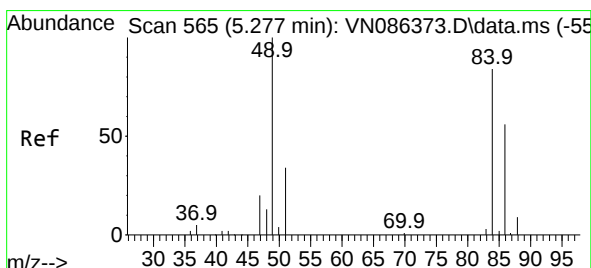
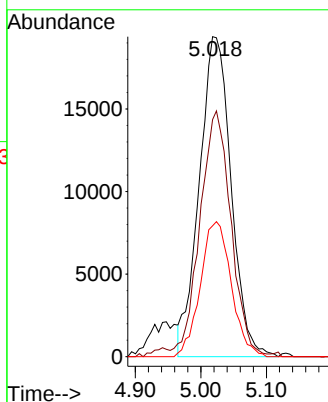
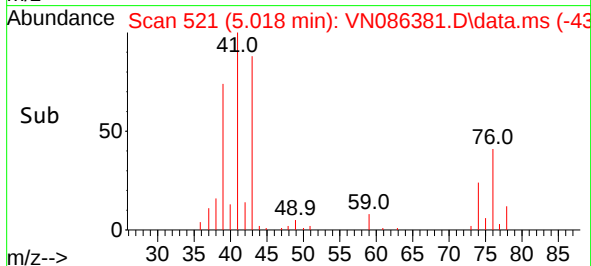
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN042325



Tgt Ion: 41 Resp: 6534  
 Ion Ratio Lower Upper  
 41 100  
 39 72.7 36.7 110.1  
 76 40.9 21.8 65.4

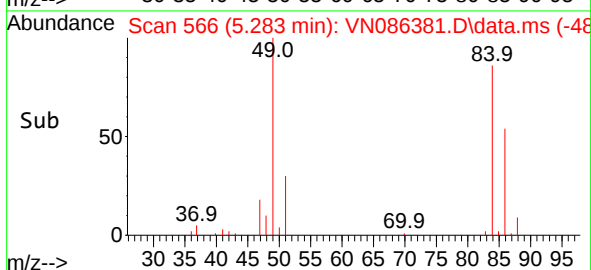
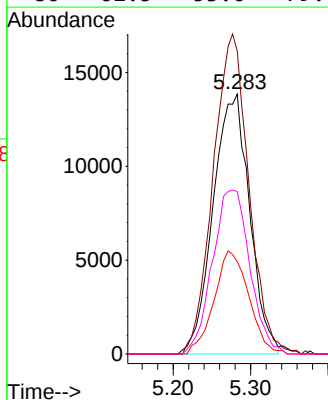
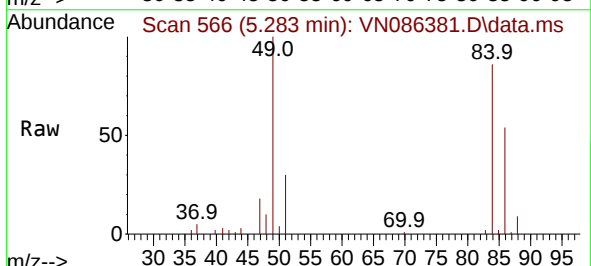
Manual Integrations  
 APPROVED

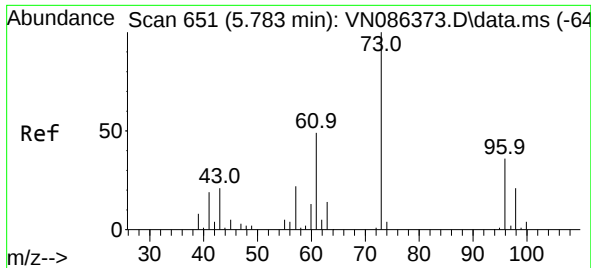
Reviewed By :John Carlone 04/24/2025  
 Supervised By :Mahesh Dadoda 04/25/2025



#18  
 Methylene Chloride  
 Concen: 19.828 ug/l  
 RT: 5.283 min Scan# 566  
 Delta R.T. 0.006 min  
 Lab File: VN086381.D  
 Acq: 23 Apr 2025 13:53

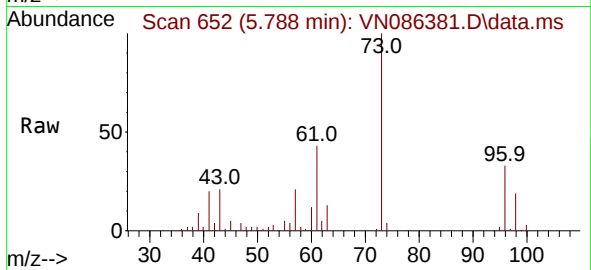
Tgt Ion: 84 Resp: 45390  
 Ion Ratio Lower Upper  
 84 100  
 49 116.6 95.4 143.0  
 51 35.5 32.8 49.2  
 86 62.5 53.0 79.4





#19  
trans-1,2-Dichloroethene  
Concen: 20.070 ug/l  
RT: 5.788 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

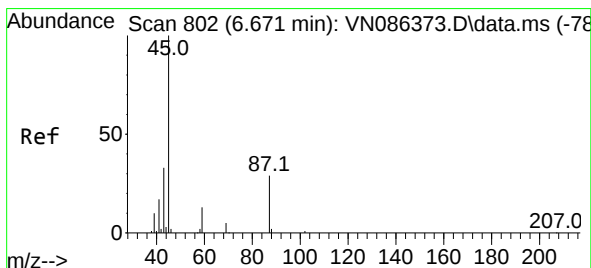
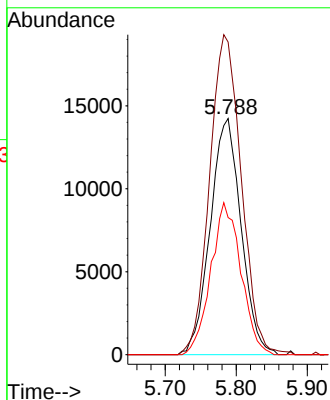
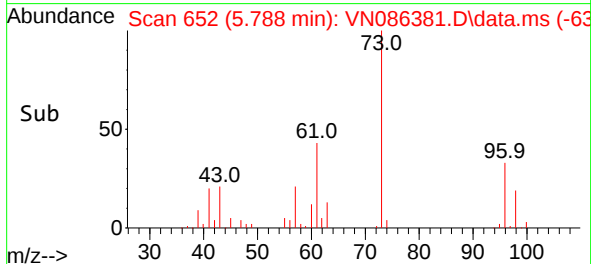
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion: 96 Resp: 43000  
Ion Ratio Lower Upper  
96 100  
61 132.4 107.3 160.9  
98 58.1 46.7 70.1

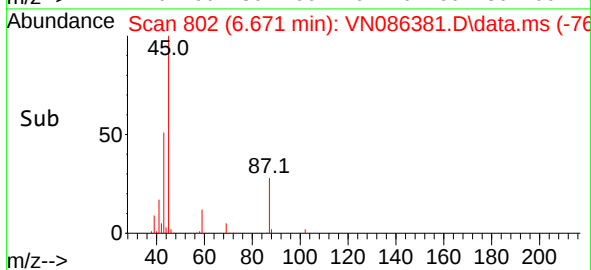
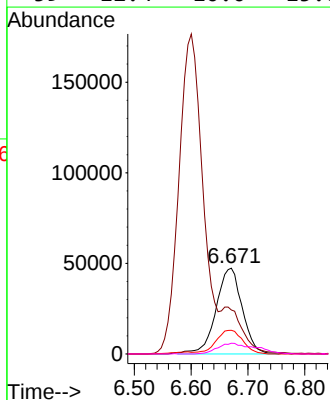
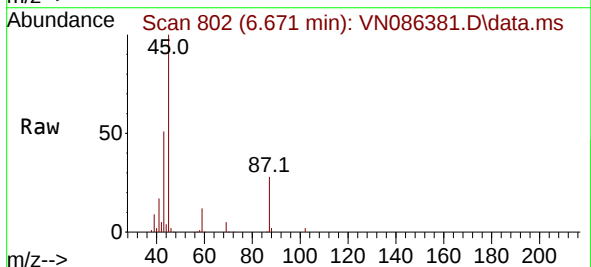
Manual Integrations  
APPROVED

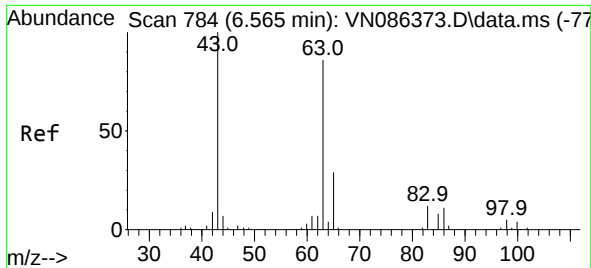
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#20  
Diisopropyl ether  
Concen: 19.768 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Tgt Ion: 45 Resp: 151075  
Ion Ratio Lower Upper  
45 100  
43 49.5 38.8 58.2  
87 27.5 23.5 35.3  
59 12.4 10.0 15.0





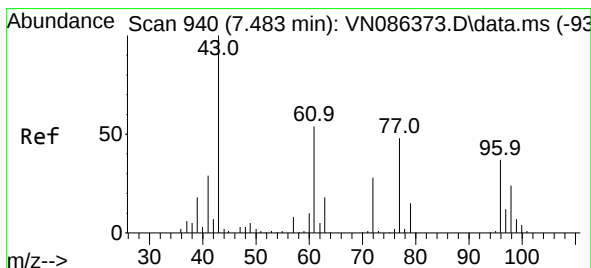
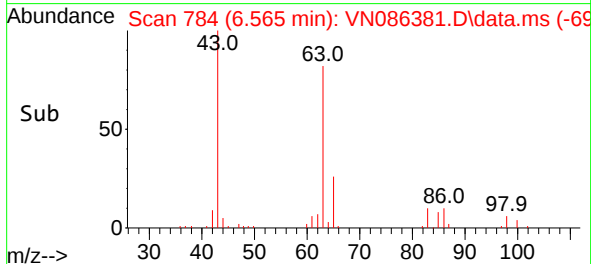
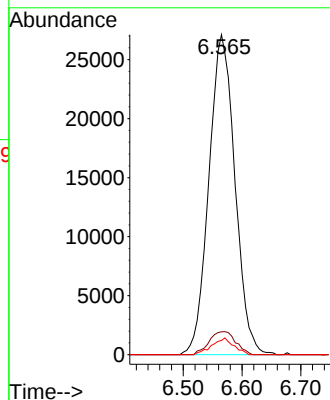
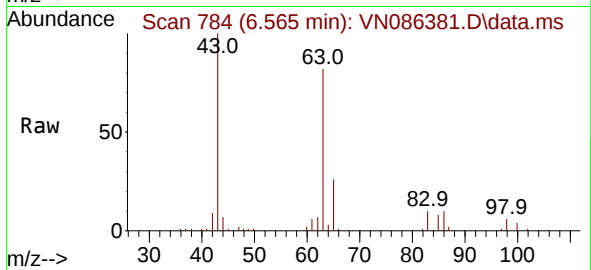
#21  
1,1-Dichloroethane  
Concen: 19.950 ug/l  
RT: 6.565 min Scan# 784  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325

Tgt Ion: 63 Resp: 8345  
Ion Ratio Lower Upper  
63 100  
98 7.2 3.0 9.2  
100 4.4 2.3 6.8

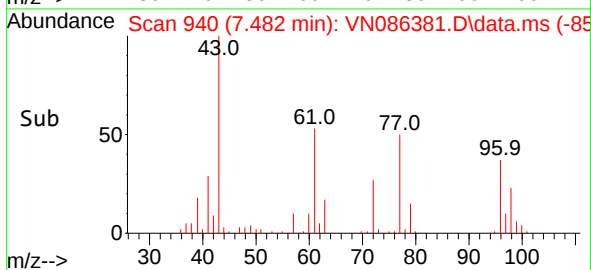
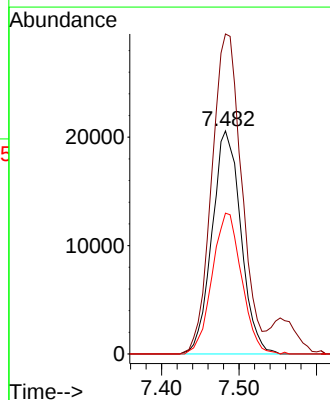
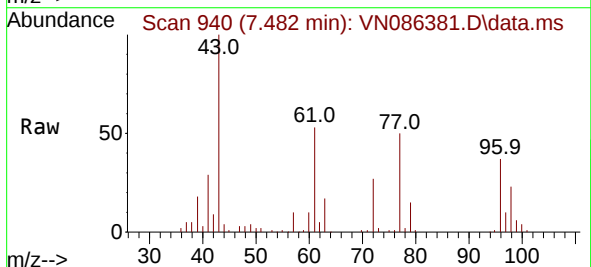
Manual Integrations  
APPROVED

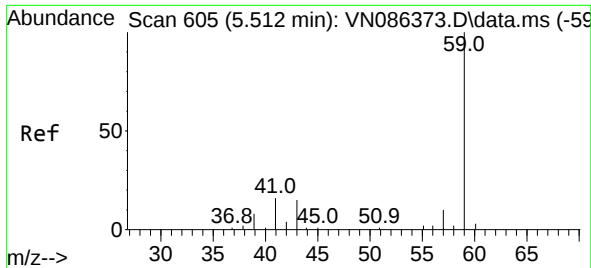
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#22  
cis-1,2-Dichloroethene  
Concen: 19.895 ug/l  
RT: 7.482 min Scan# 940  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

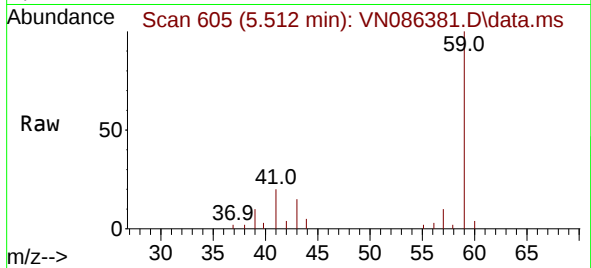
Tgt Ion: 96 Resp: 53300  
Ion Ratio Lower Upper  
96 100  
61 148.0 120.6 181.0  
98 64.4 51.8 77.6





#23  
 tert-Butyl Alcohol  
 Concen: 104.953 ug/l  
 RT: 5.512 min Scan# 605  
 Delta R.T. -0.000 min  
 Lab File: VN086381.D  
 Acq: 23 Apr 2025 13:53

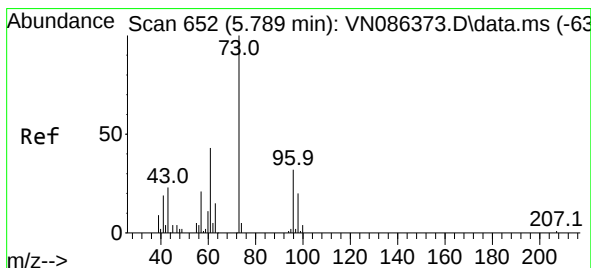
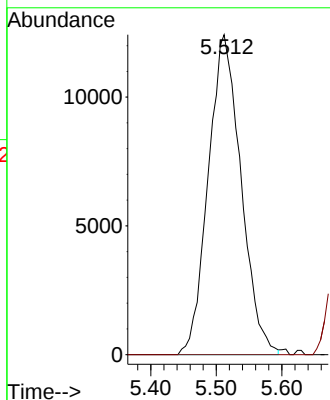
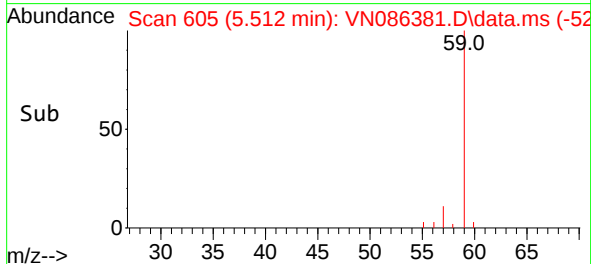
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN042325



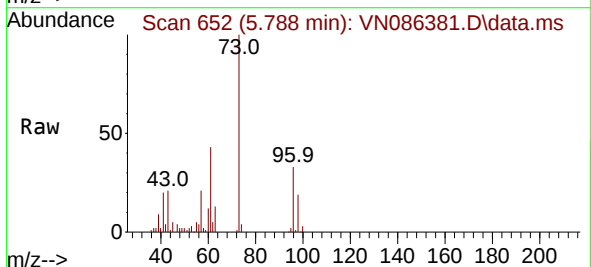
Tgt Ion: 59 Resp: 4311  
 Ion Ratio Lower Upper  
 59 100  
 52 0.0 0.1 0.1

Manual Integrations  
 APPROVED

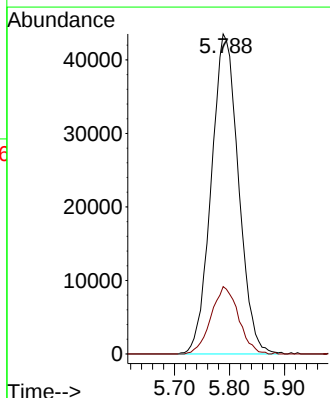
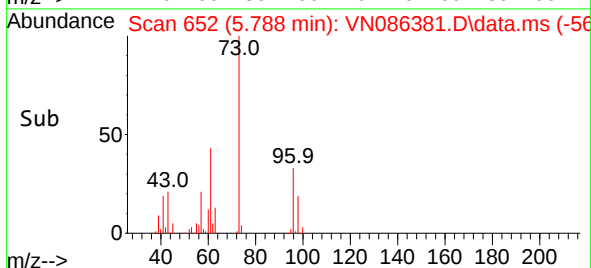
Reviewed By :John Carlone 04/24/2025  
 Supervised By :Mahesh Dadoda 04/25/2025

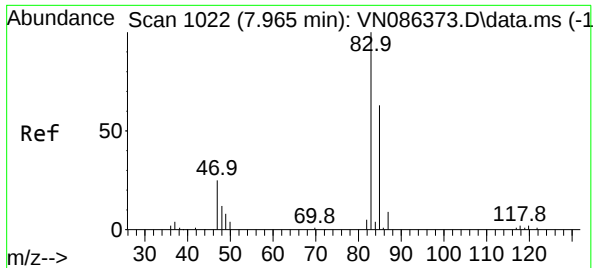


#24  
 Methyl tert-Butyl Ether  
 Concen: 20.147 ug/l  
 RT: 5.788 min Scan# 652  
 Delta R.T. -0.000 min  
 Lab File: VN086381.D  
 Acq: 23 Apr 2025 13:53



Tgt Ion: 73 Resp: 149632  
 Ion Ratio Lower Upper  
 73 100  
 43 21.2 17.1 25.7





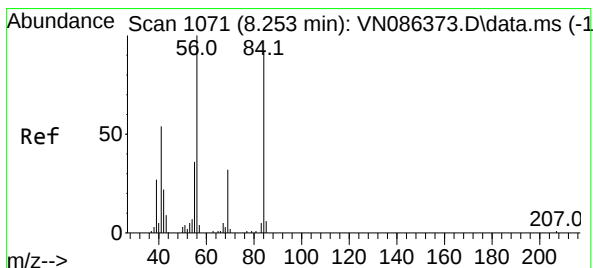
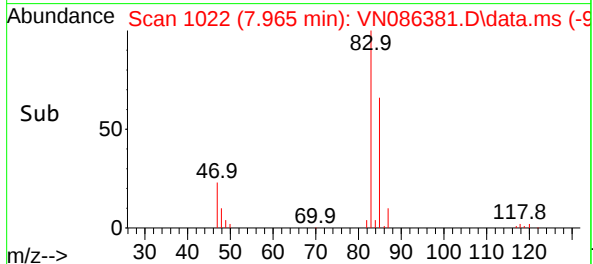
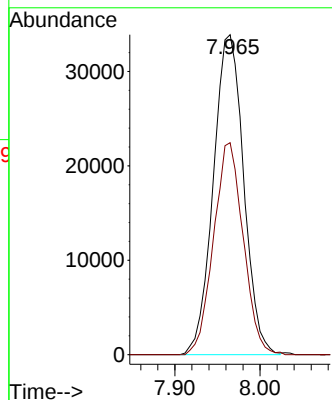
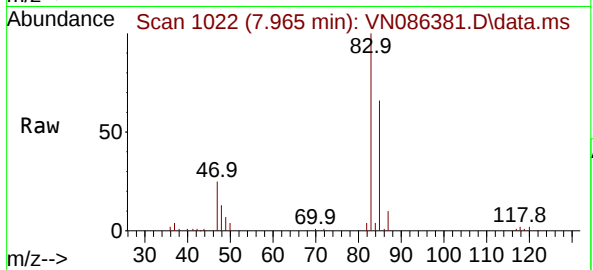
#25  
Chloroform  
Concen: 19.815 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325

Tgt Ion: 83 Resp: 8389  
Ion Ratio Lower Upper  
83 100  
85 66.2 50.2 75.2

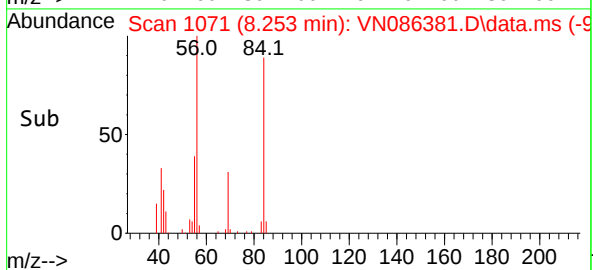
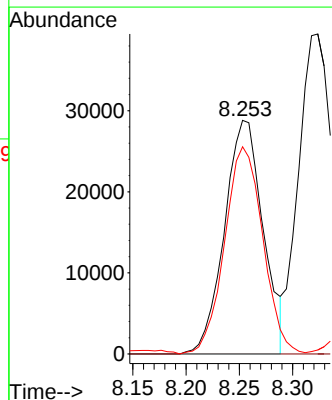
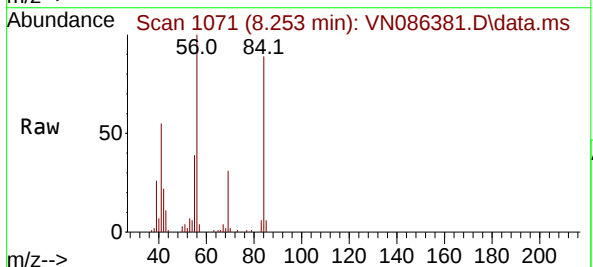
Manual Integrations  
APPROVED

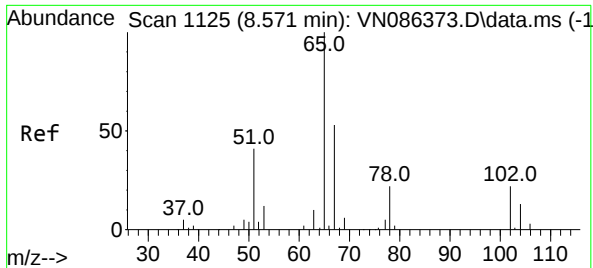
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#26  
Cyclohexane  
Concen: 19.705 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Tgt Ion: 56 Resp: 72784  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 87.6 71.5 107.3





#27  
1,2-Dichloroethane-d4  
Concen: 30.399 ug/l  
RT: 8.576 min Scan# 1125  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument :

MSVOA\_N

ClientSampleId :

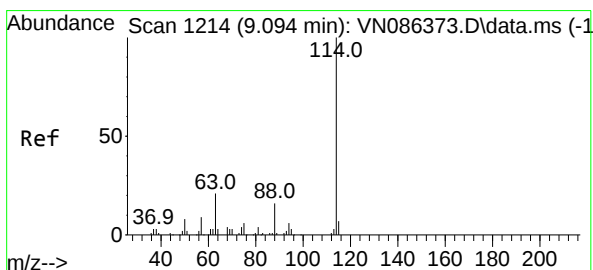
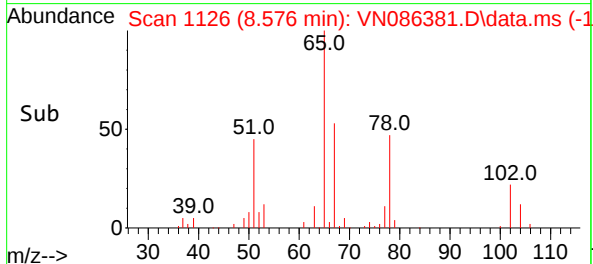
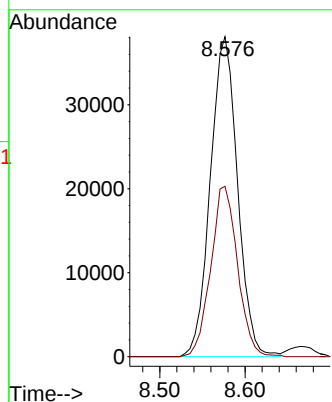
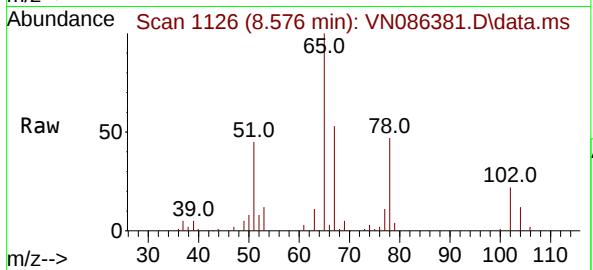
ICVVN042325

Tgt Ion: 65 Resp: 84449  
Ion Ratio Lower Upper  
65 100  
67 52.4 42.5 63.7

Manual Integrations

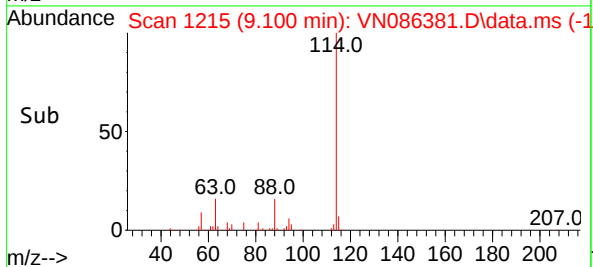
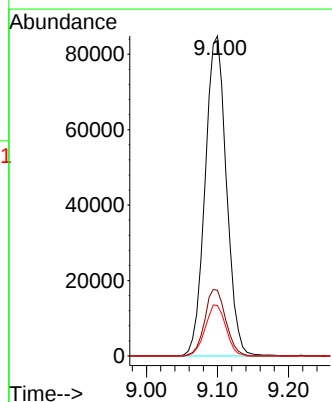
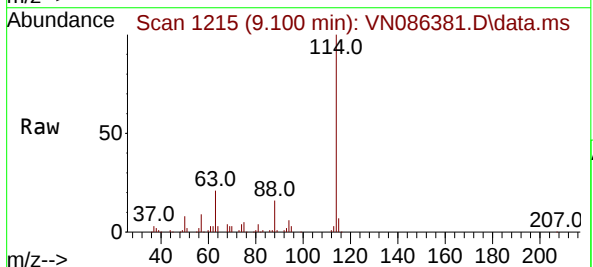
APPROVED

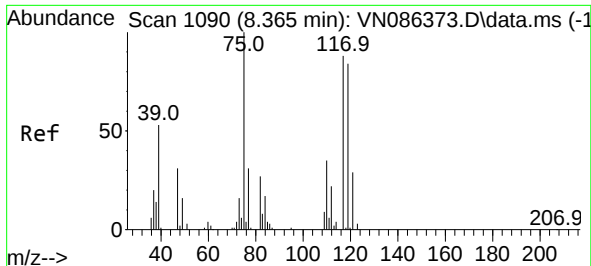
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

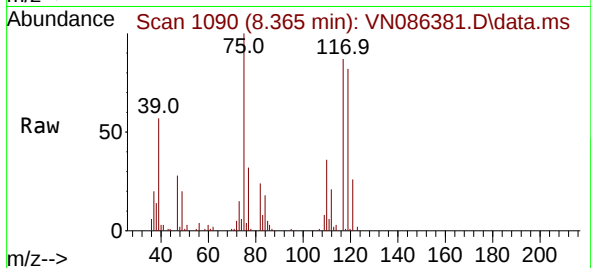
Tgt Ion:114 Resp: 176766  
Ion Ratio Lower Upper  
114 100  
63 20.6 16.7 25.1  
88 15.5 12.6 19.0





#29  
1,1-Dichloropropene  
Concen: 19.252 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

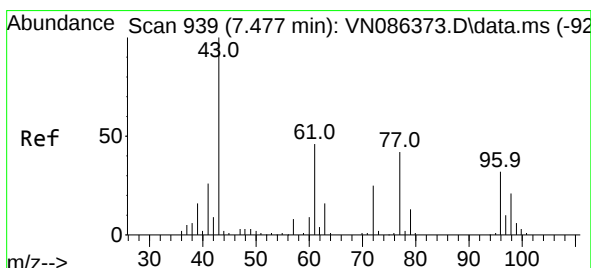
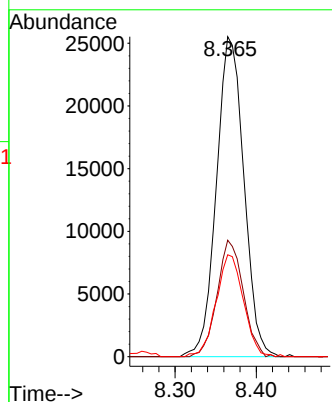
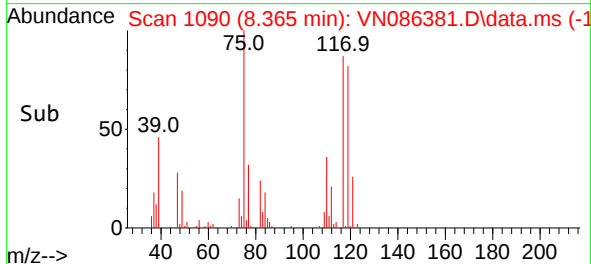
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion: 75 Resp: 5999  
Ion Ratio Lower Upper  
75 100  
110 34.6 0.0 68.0  
77 31.5 0.0 61.4

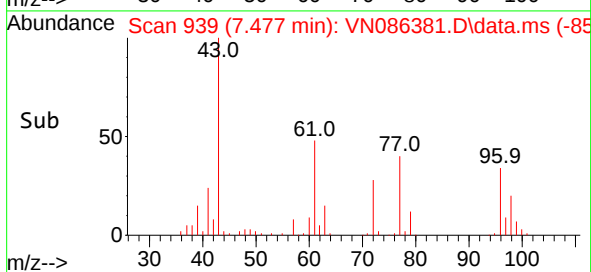
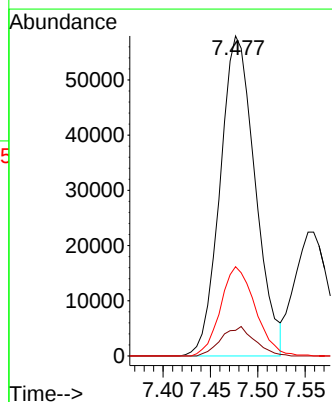
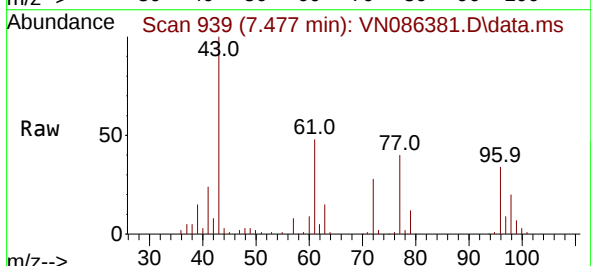
Manual Integrations  
APPROVED

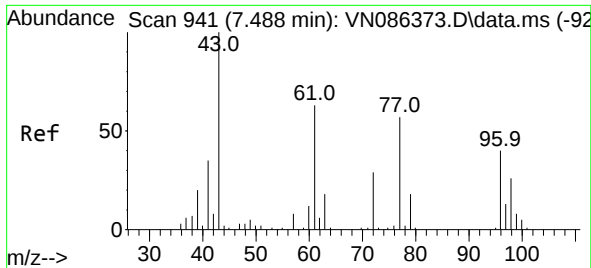
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#30  
2-Butanone  
Concen: 98.812 ug/l  
RT: 7.477 min Scan# 939  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

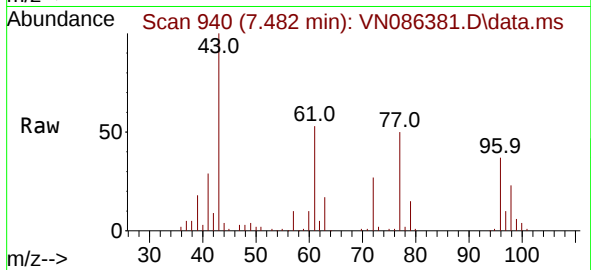
Tgt Ion: 43 Resp: 149457  
Ion Ratio Lower Upper  
43 100  
57 8.8 6.6 10.0  
72 27.5 22.2 33.4





#31  
2,2-Dichloropropane  
Concen: 18.971 ug/l  
RT: 7.482 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

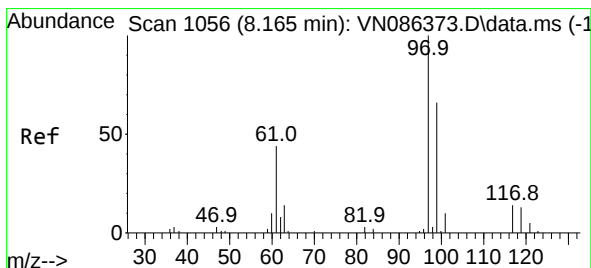
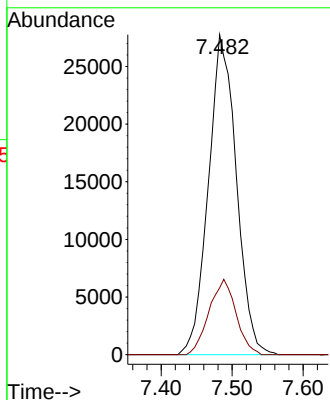
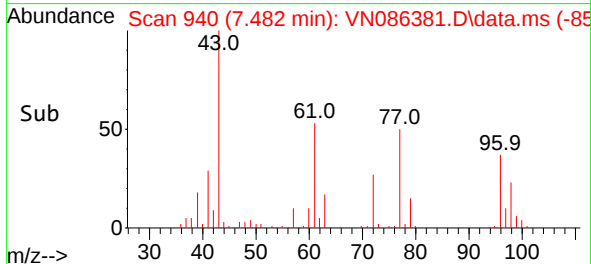
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICNVN042325



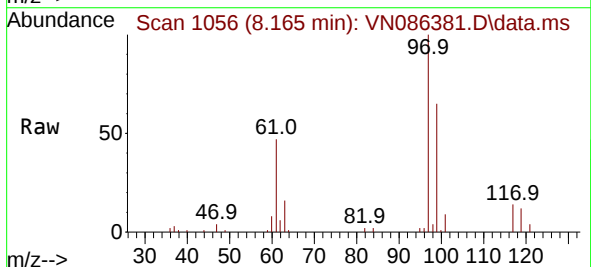
Tgt Ion: 77 Resp: 7599  
Ion Ratio Lower Upper  
77 100  
97 22.7 18.2 27.2

Manual Integrations  
APPROVED

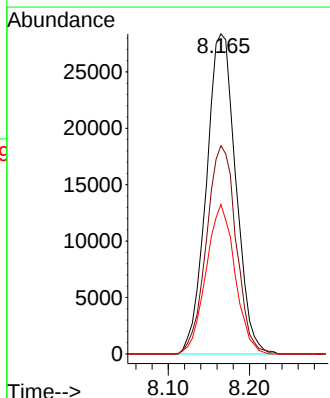
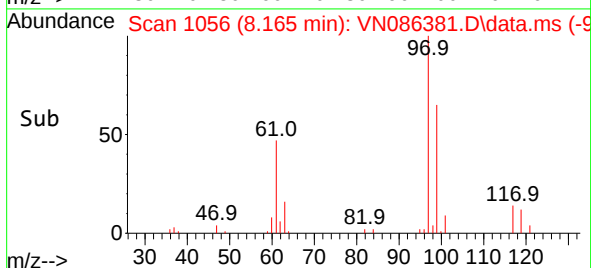
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025

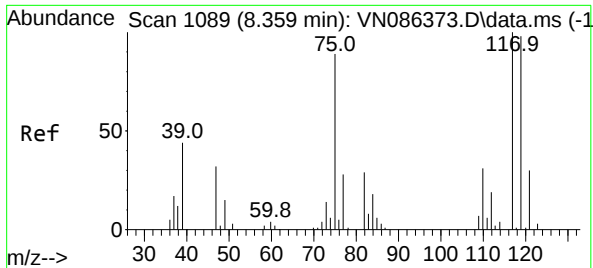


#32  
1,1,1-Trichloroethane  
Concen: 19.213 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53



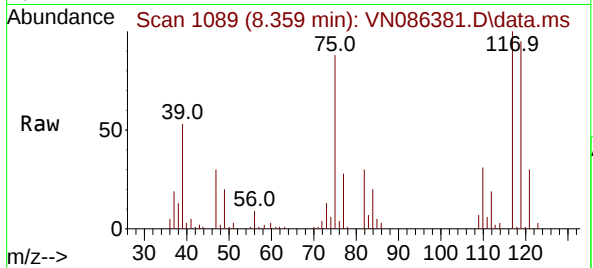
Tgt Ion: 97 Resp: 71545  
Ion Ratio Lower Upper  
97 100  
99 65.6 52.6 79.0  
61 45.8 36.4 54.6





#33  
Carbon Tetrachloride  
Concen: 19.200 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

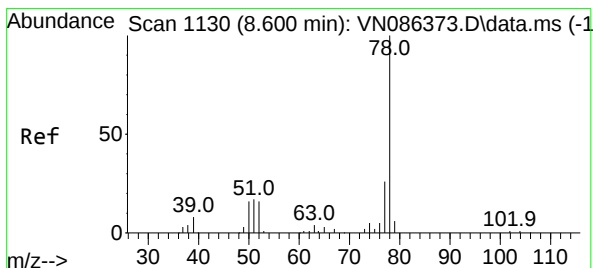
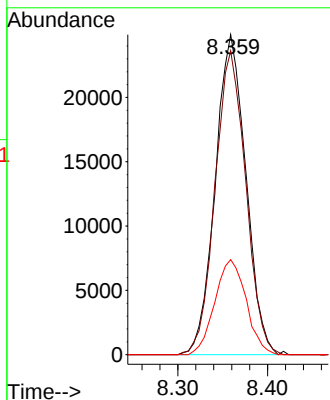
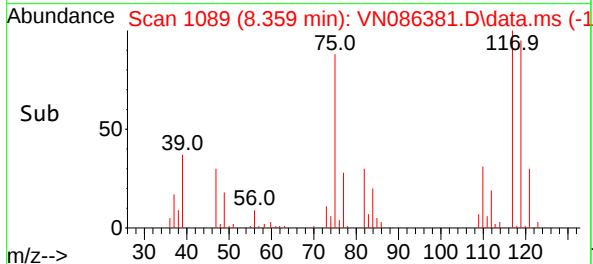
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



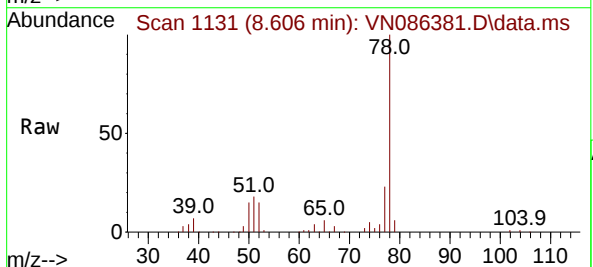
Tgt Ion: 117 Resp: 5885  
Ion Ratio Lower Upper  
117 100  
119 95.0 78.6 117.8  
121 29.7 24.0 36.0

Manual Integrations  
APPROVED

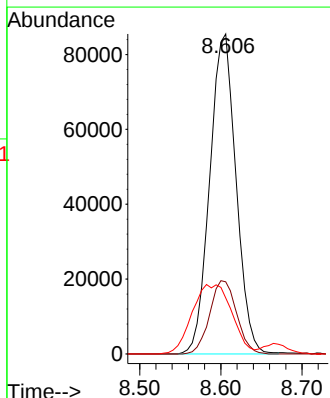
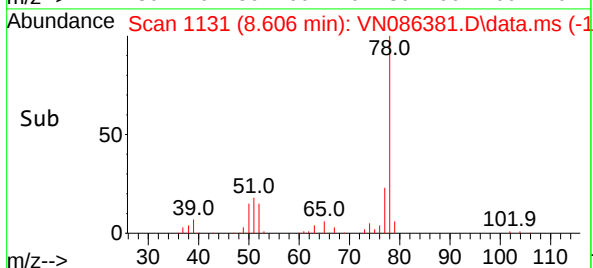
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025

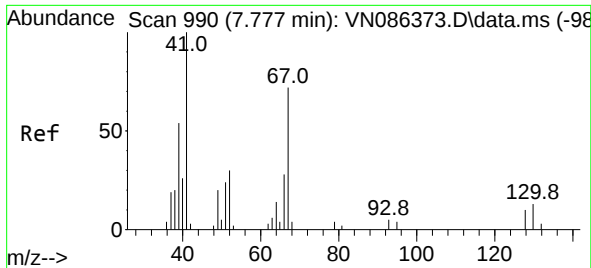


#34  
Benzene  
Concen: 19.408 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53



Tgt Ion: 78 Resp: 192366  
Ion Ratio Lower Upper  
78 100  
77 22.6 20.8 31.2  
51 14.9 14.0 21.0





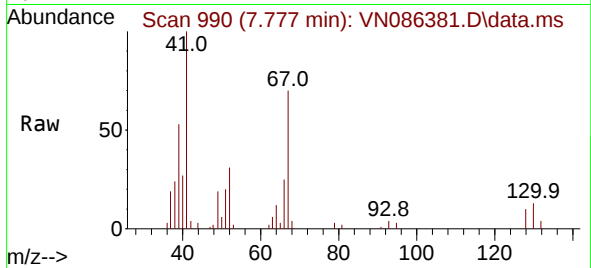
#35  
Methacrylonitrile  
Concen: 18.965 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN042325



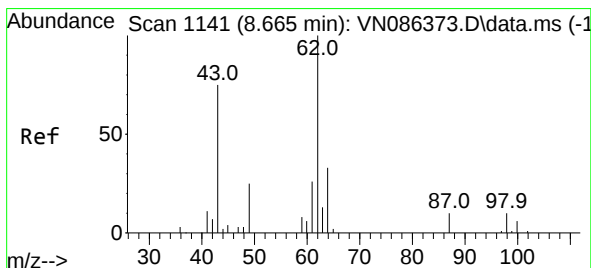
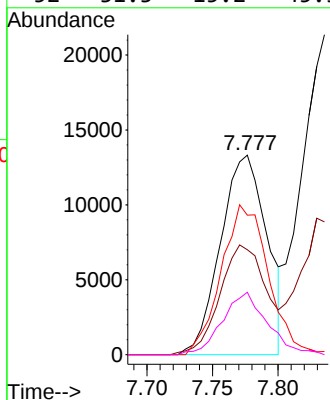
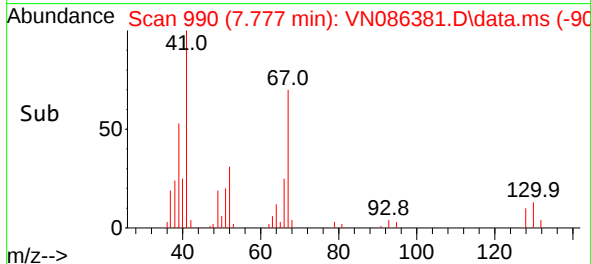
Tgt Ion: 41 Resp: 3272  
Ion Ratio Lower Upper  
41 100  
39 51.5 27.0 80.8  
67 69.9 35.8 107.3  
52 31.3 15.2 45.5

Manual Integrations

APPROVED

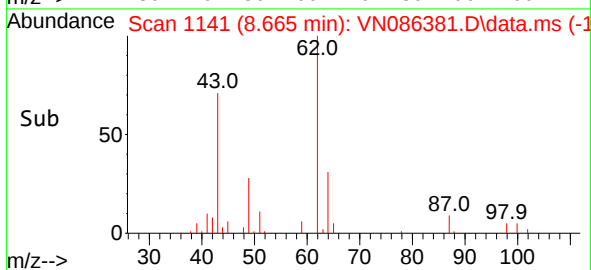
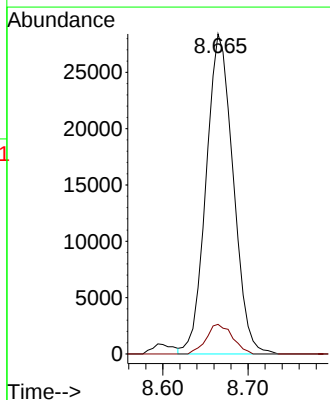
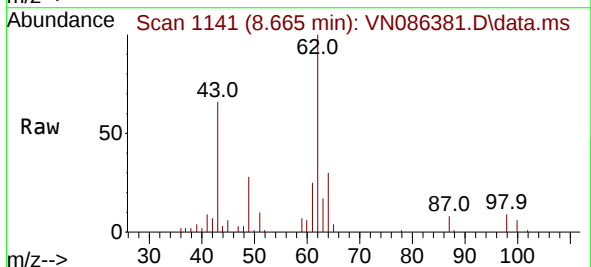
Reviewed By :John Carlone 04/24/2025

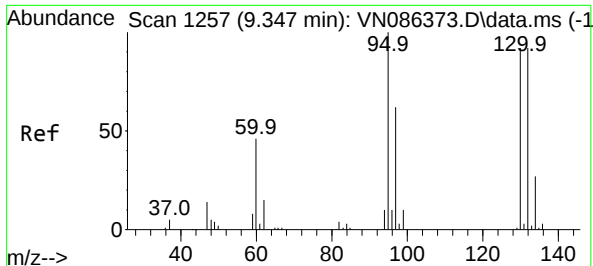
Supervised By :Mahesh Dadoda 04/25/2025



#36  
1,2-Dichloroethane  
Concen: 19.464 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

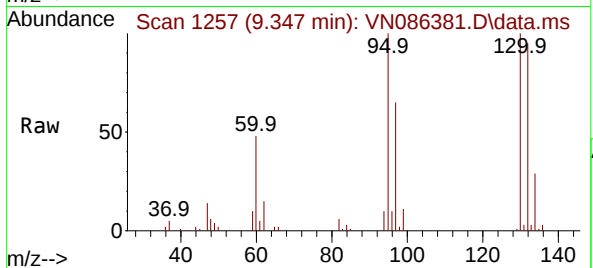
Tgt Ion: 62 Resp: 62633  
Ion Ratio Lower Upper  
62 100  
98 9.0 7.6 11.4





#37  
Trichloroethene  
Concen: 19.047 ug/l  
RT: 9.347 min Scan# 1257  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

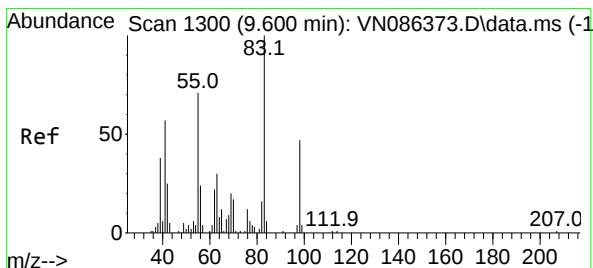
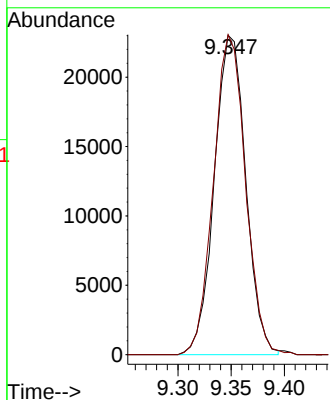
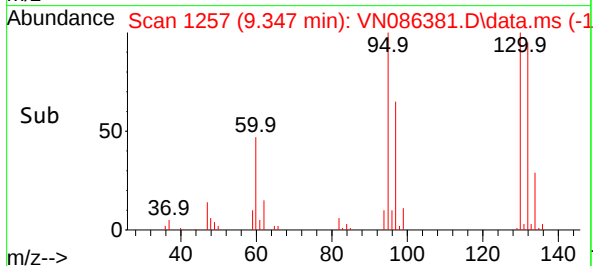
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



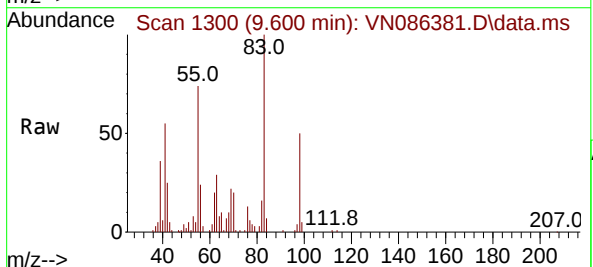
Tgt Ion:130 Resp: 47260  
Ion Ratio Lower Upper  
130 100  
95 100.2 86.6 130.0

Manual Integrations  
APPROVED

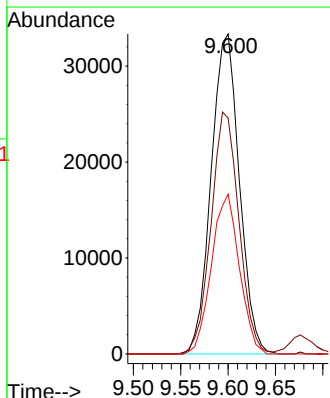
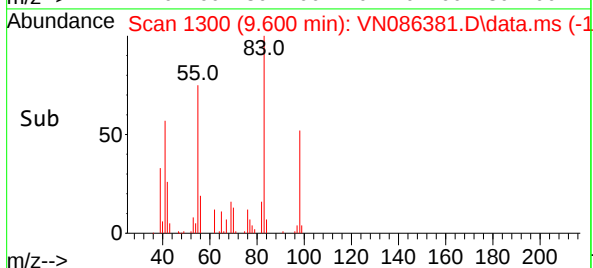
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025

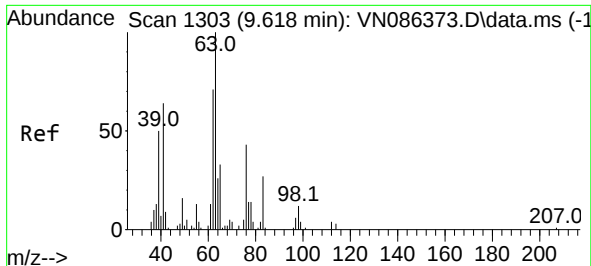


#38  
Methylcyclohexane  
Concen: 19.209 ug/l  
RT: 9.600 min Scan# 1300  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53



Tgt Ion: 83 Resp: 69133  
Ion Ratio Lower Upper  
83 100  
55 74.7 37.3 111.9  
98 49.3 23.8 71.5





#39

1,2-Dichloropropane

Concen: 19.063 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086381.D

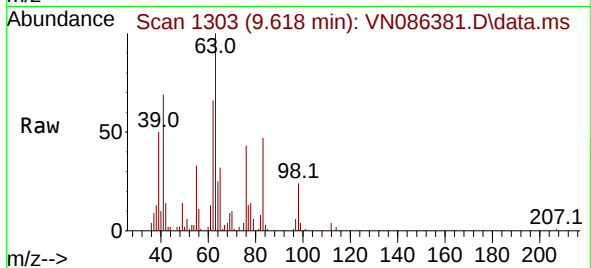
Acq: 23 Apr 2025 13:53

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN042325



Tgt Ion: 63 Resp: 46678

Ion Ratio Lower Upper

63 100

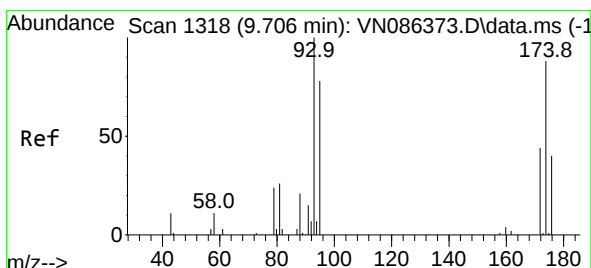
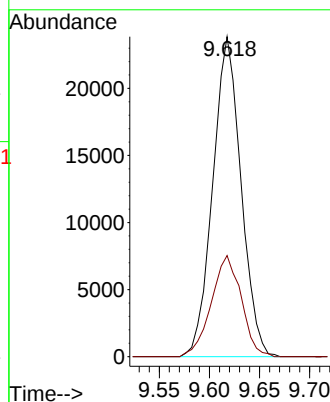
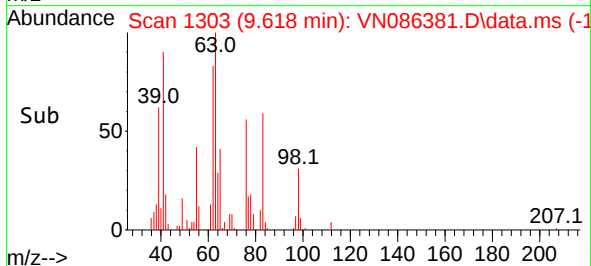
65 31.6 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#40

Dibromomethane

Concen: 19.273 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

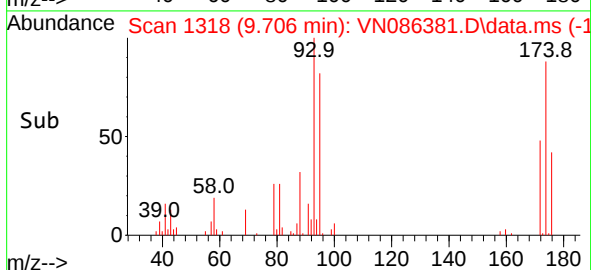
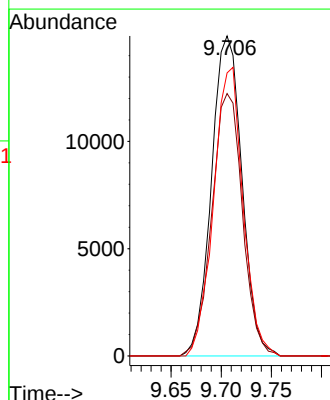
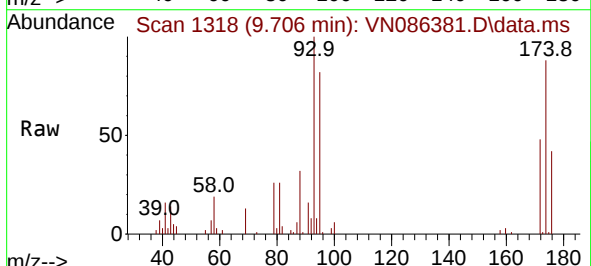
Tgt Ion: 93 Resp: 31560

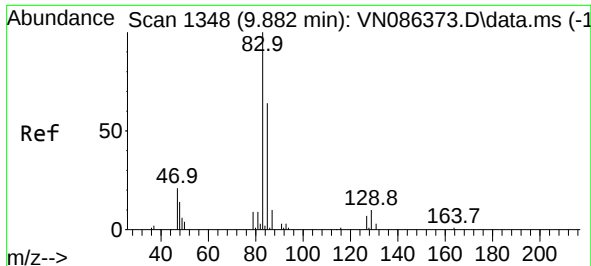
Ion Ratio Lower Upper

93 100

95 82.4 0.0 159.2

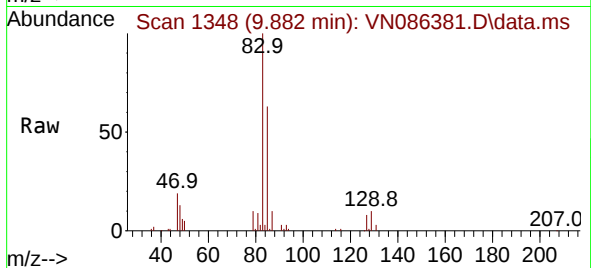
174 87.2 0.0 171.4





#41  
Bromodichloromethane  
Concen: 19.438 ug/l  
RT: 9.882 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

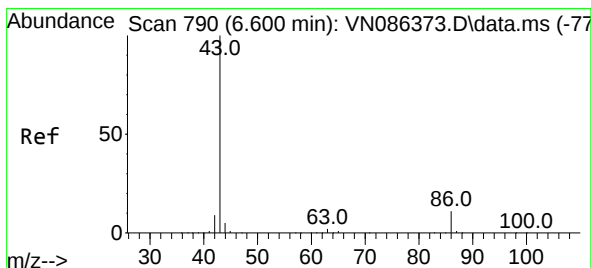
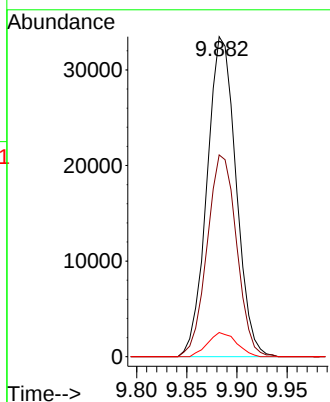
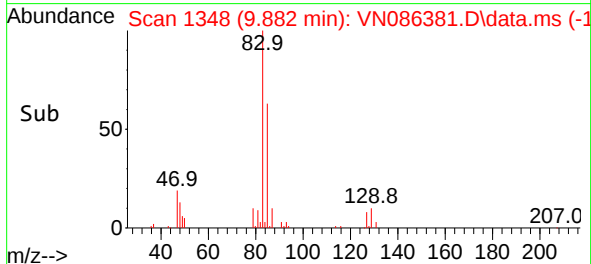
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



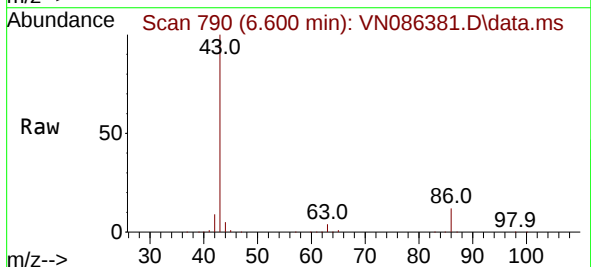
Tgt Ion: 83 Resp: 67350  
Ion Ratio Lower Upper  
83 100  
85 63.1 51.1 76.7  
127 7.6 5.9 8.9

Manual Integrations  
APPROVED

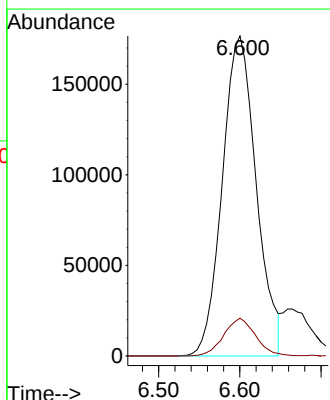
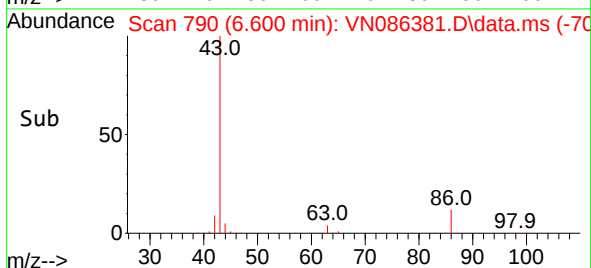
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025

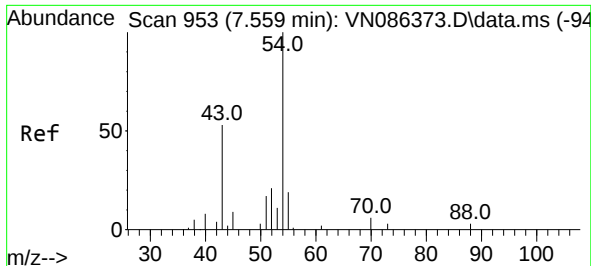


#42  
Vinyl Acetate  
Concen: 98.241 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53



Tgt Ion: 43 Resp: 514738  
Ion Ratio Lower Upper  
43 100  
86 11.0 8.9 13.3





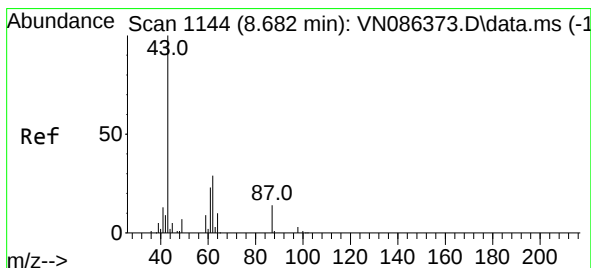
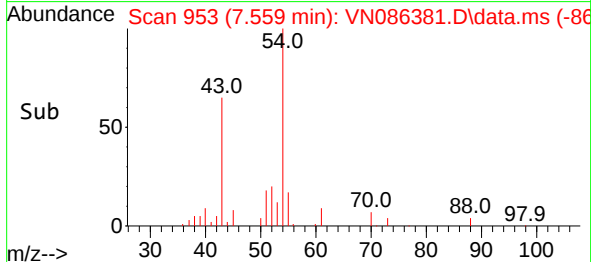
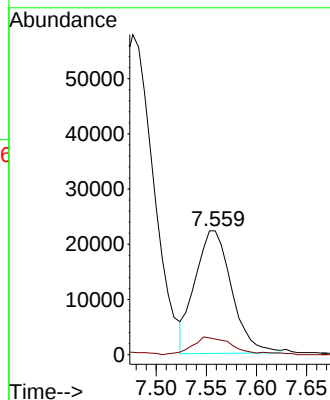
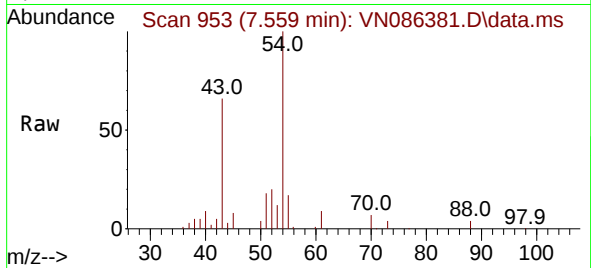
#43  
Ethyl Acetate  
Concen: 18.897 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325

Tgt Ion: 43 Resp: 56564  
Ion Ratio Lower Upper  
43 100  
45 14.9 11.4 17.2

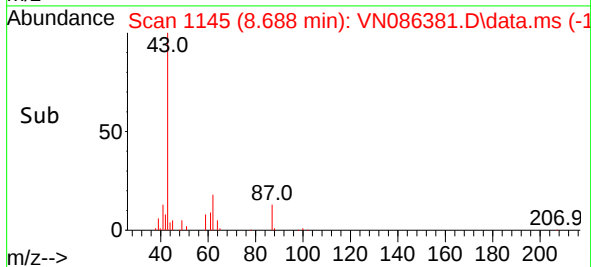
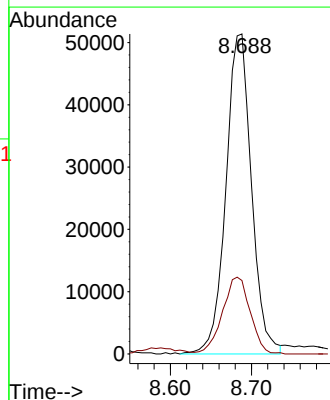
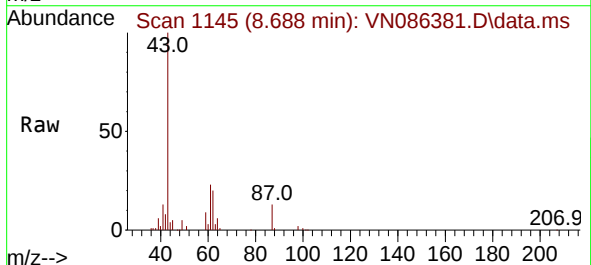
Manual Integrations  
APPROVED

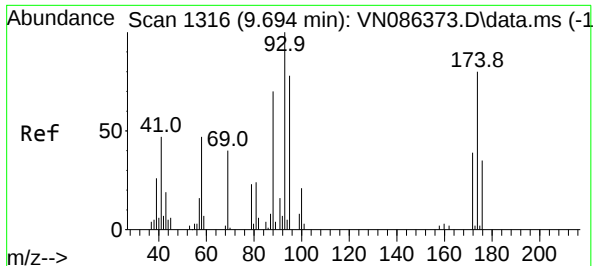
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#44  
Isopropyl Acetate  
Concen: 19.805 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

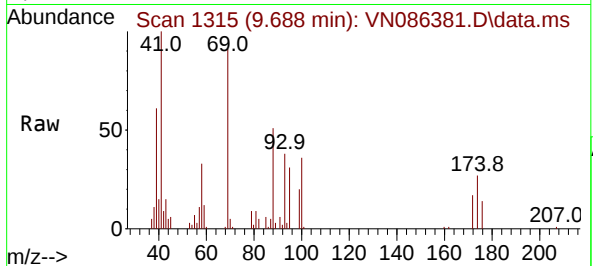
Tgt Ion: 43 Resp: 112514  
Ion Ratio Lower Upper  
43 100  
61 25.4 21.0 31.4





#45  
1,4-Dioxane  
Concen: 411.534 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. -0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

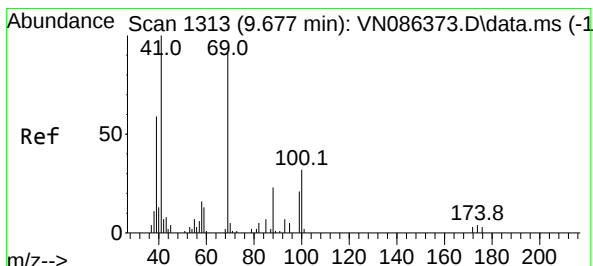
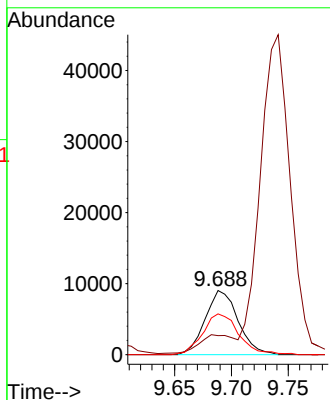
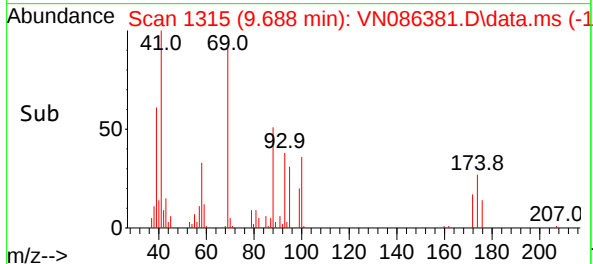
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion: 88 Resp: 1824  
Ion Ratio Lower Upper  
88 100  
43 31.7 24.9 37.3  
58 69.3 57.8 86.8

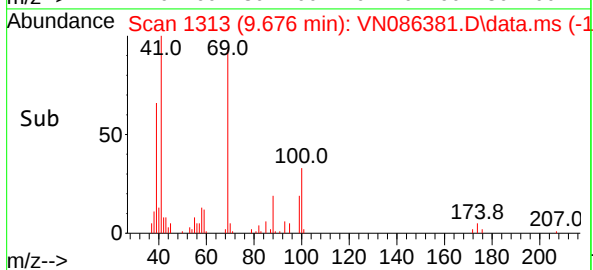
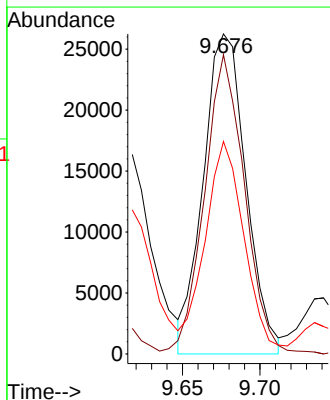
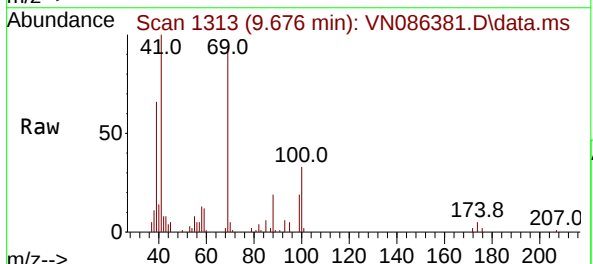
Manual Integrations  
APPROVED

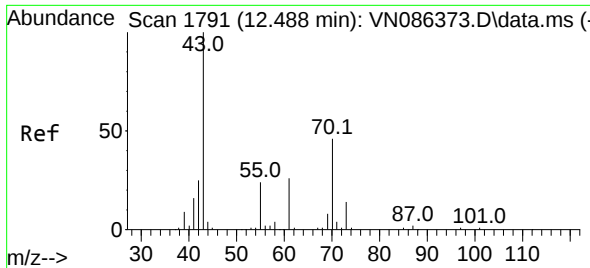
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#46  
Methyl methacrylate  
Concen: 19.190 ug/l  
RT: 9.676 min Scan# 1313  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

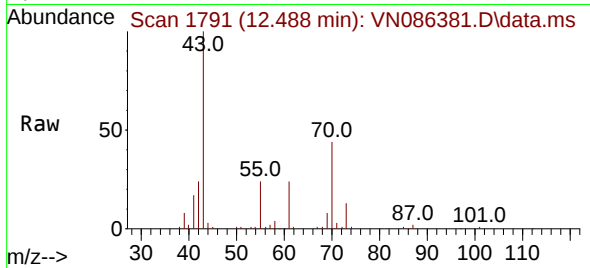
Tgt Ion: 41 Resp: 50286  
Ion Ratio Lower Upper  
41 100  
69 95.5 44.1 132.3  
39 66.9 30.0 90.1





#47  
n-amy1 Acetate  
Concen: 18.642 ug/l  
RT: 12.488 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

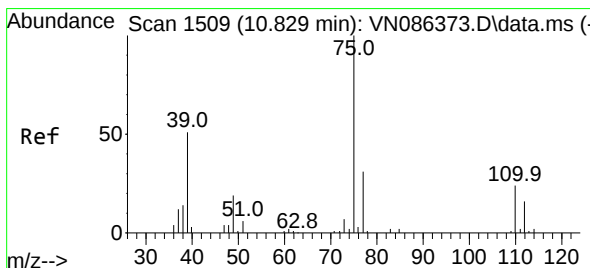
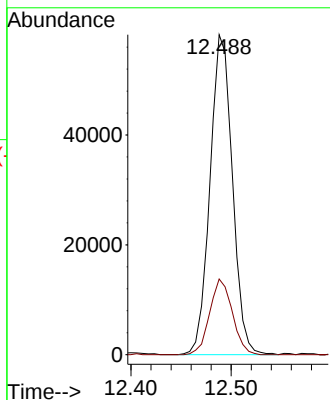
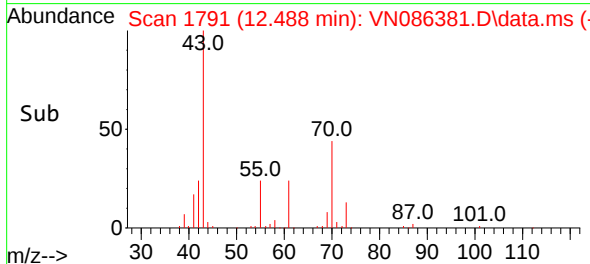
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion: 43 Resp: 90260  
Ion Ratio Lower Upper  
43 100  
55 23.9 19.4 29.0

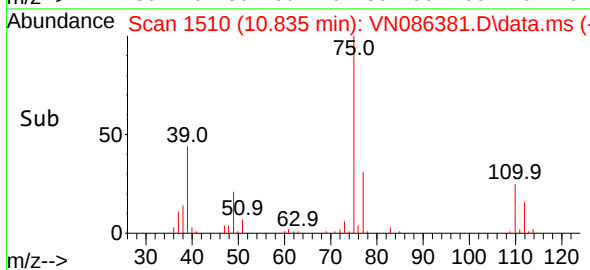
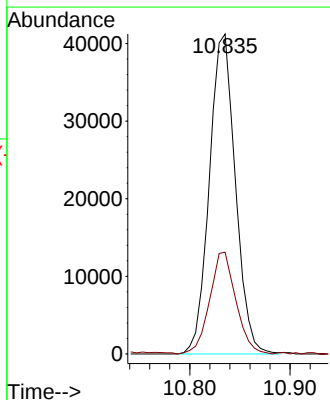
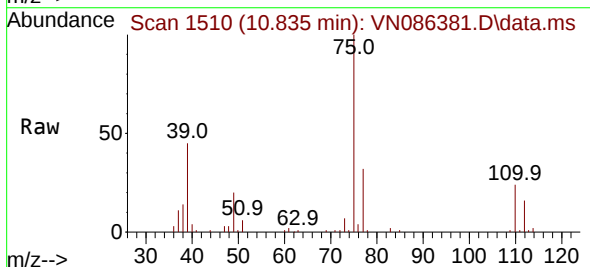
Manual Integrations  
APPROVED

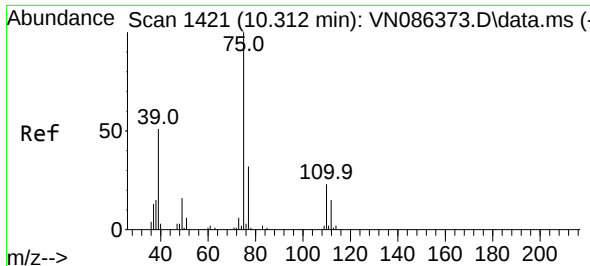
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#48  
t-1,3-Dichloropropene  
Concen: 19.167 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

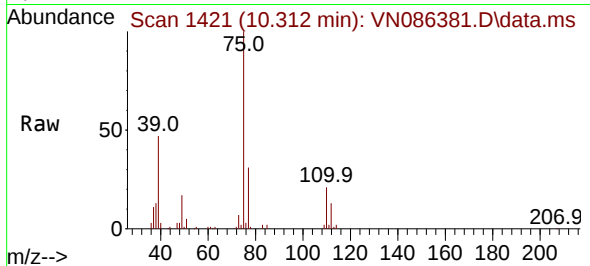
Tgt Ion: 75 Resp: 74255  
Ion Ratio Lower Upper  
75 100  
77 31.8 24.4 36.6





#49  
 cis-1,3-Dichloropropene  
 Concen: 19.233 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. -0.000 min  
 Lab File: VN086381.D  
 Acq: 23 Apr 2025 13:53

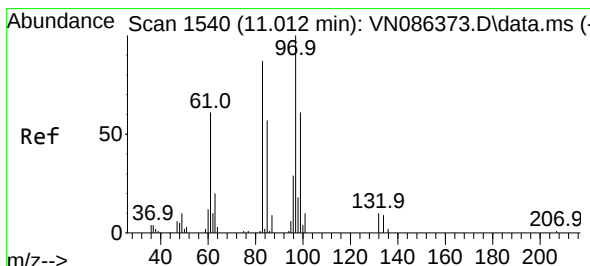
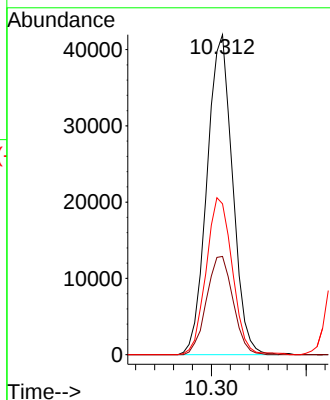
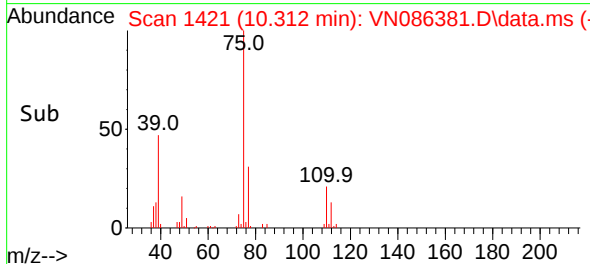
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN042325



Tgt Ion: 75 Resp: 7857  
 Ion Ratio Lower Upper  
 75 100  
 77 30.7 25.6 38.4  
 39 47.2 40.6 60.8

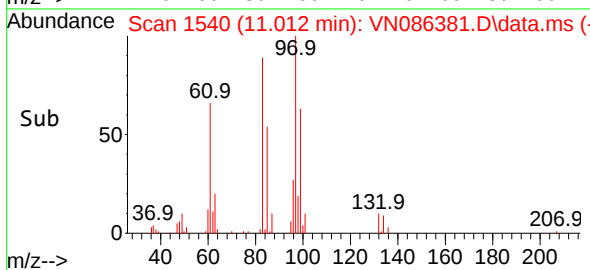
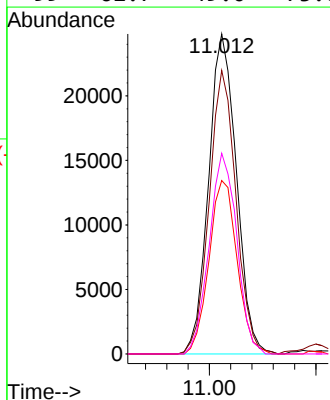
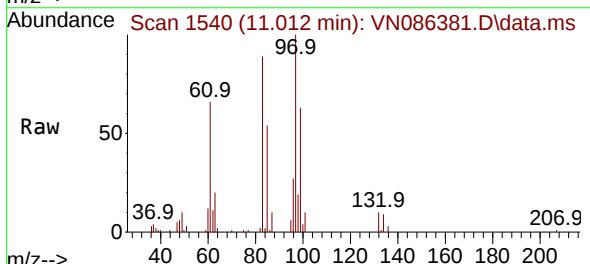
Manual Integrations  
 APPROVED

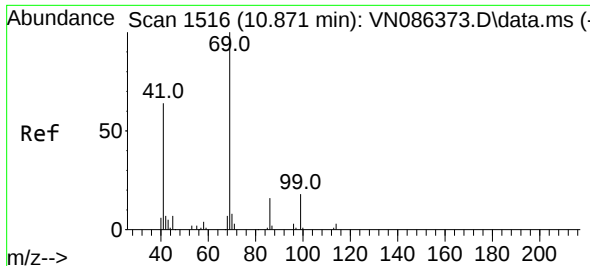
Reviewed By :John Carlone 04/24/2025  
 Supervised By :Mahesh Dadoda 04/25/2025



#50  
 1,1,2-Trichloroethane  
 Concen: 19.666 ug/l  
 RT: 11.012 min Scan# 1540  
 Delta R.T. -0.000 min  
 Lab File: VN086381.D  
 Acq: 23 Apr 2025 13:53

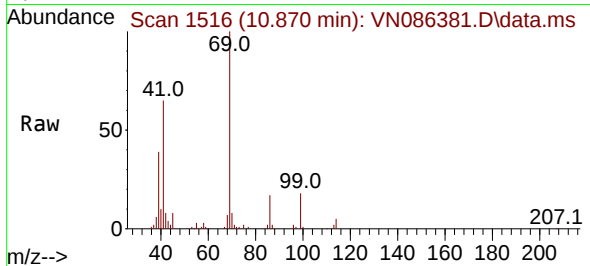
Tgt Ion: 97 Resp: 44981  
 Ion Ratio Lower Upper  
 97 100  
 83 88.6 69.3 103.9  
 85 54.2 45.5 68.3  
 99 62.7 49.0 73.6





#51  
Ethyl methacrylate  
Concen: 18.819 ug/l  
RT: 10.870 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

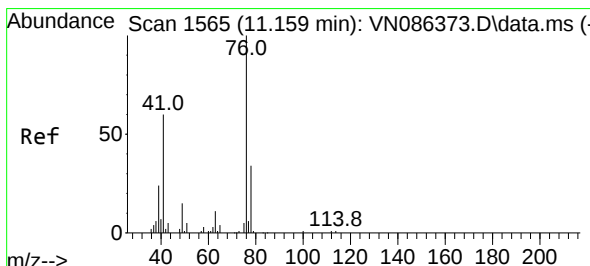
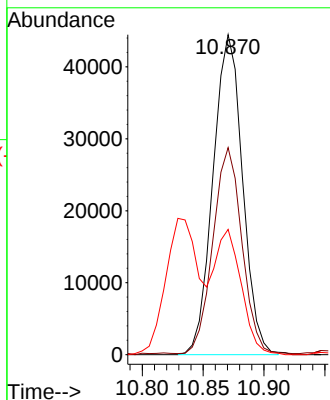
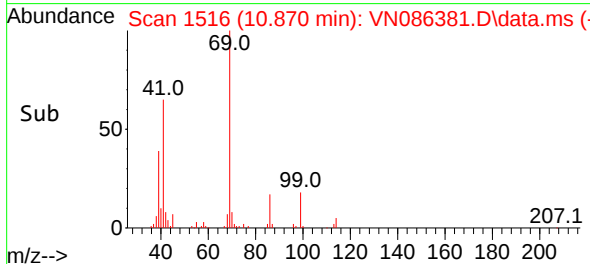
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion: 69 Resp: 74960  
Ion Ratio Lower Upper  
69 100  
41 64.4 32.3 96.8  
39 38.7 19.1 57.1

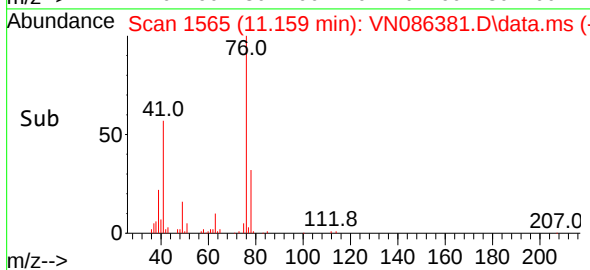
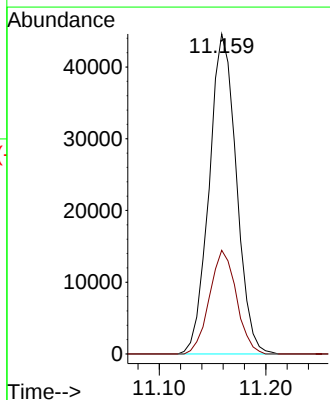
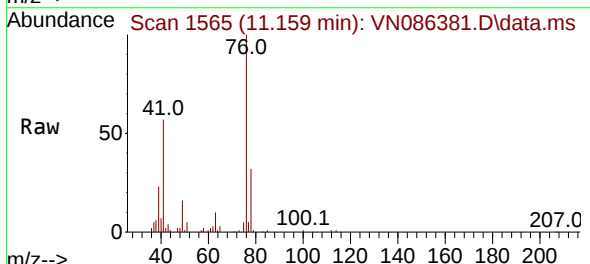
Manual Integrations  
APPROVED

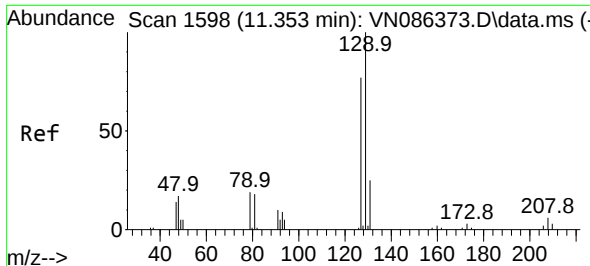
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#52  
1,3-Dichloropropane  
Concen: 19.590 ug/l  
RT: 11.159 min Scan# 1565  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

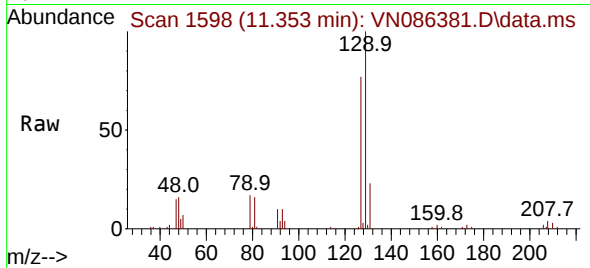
Tgt Ion: 76 Resp: 79190  
Ion Ratio Lower Upper  
76 100  
78 32.0 0.0 65.6





#53  
Dibromochloromethane  
Concen: 18.927 ug/l  
RT: 11.353 min Scan# 1598  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

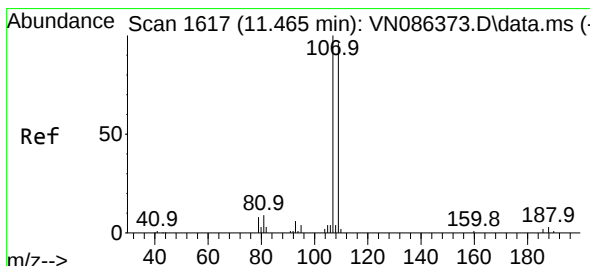
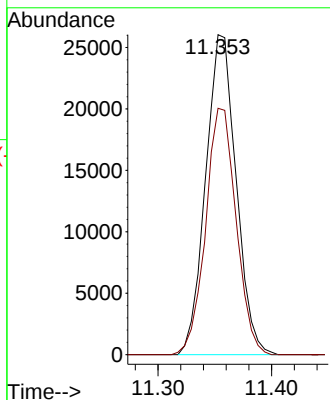
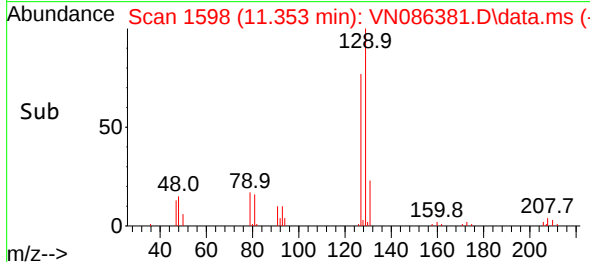
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion:129 Resp: 4861  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.8 116.3

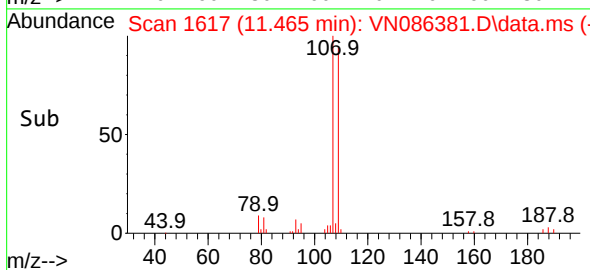
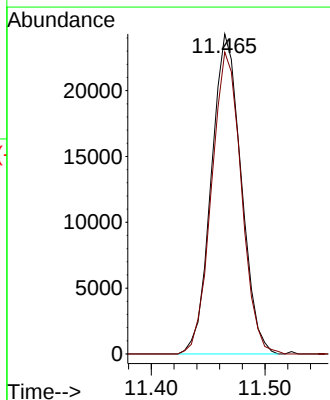
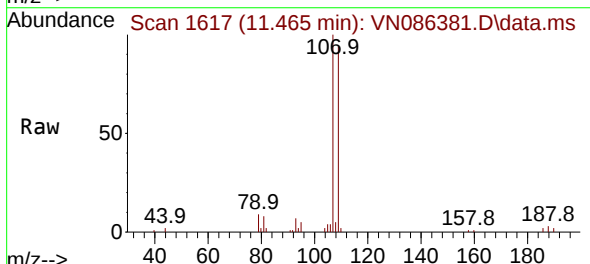
Manual Integrations  
APPROVED

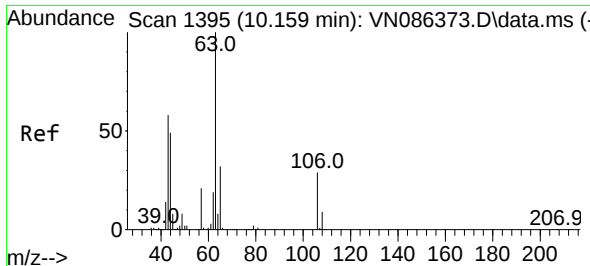
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#54  
1,2-Dibromoethane  
Concen: 19.043 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

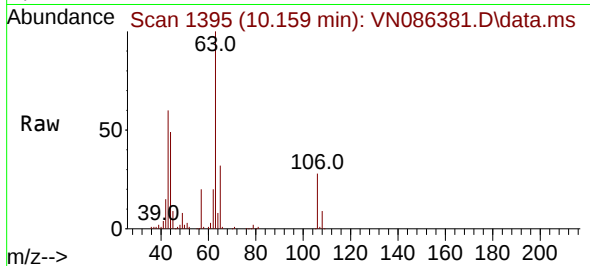
Tgt Ion:107 Resp: 44285  
Ion Ratio Lower Upper  
107 100  
109 94.3 75.4 113.0





#55  
2-Chloroethyl vinyl ether  
Concen: 98.770 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

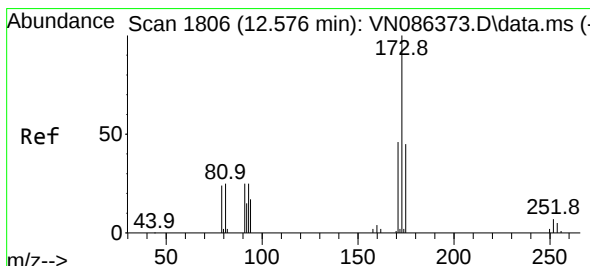
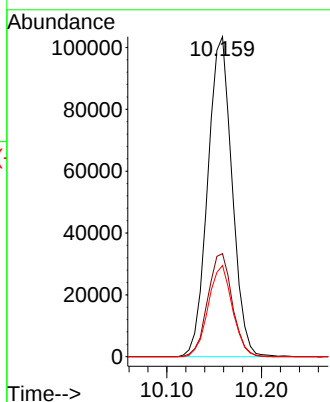
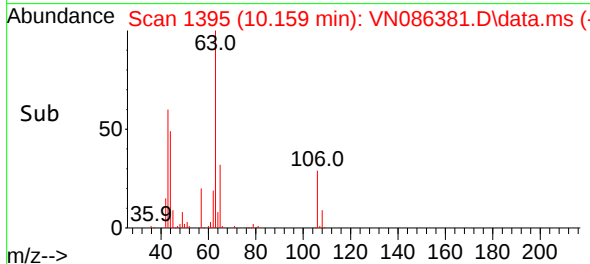
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion: 63 Resp: 184980  
Ion Ratio Lower Upper  
63 100  
65 32.5 25.7 38.5  
106 28.3 22.3 33.5

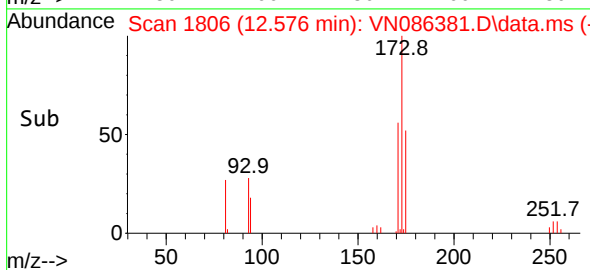
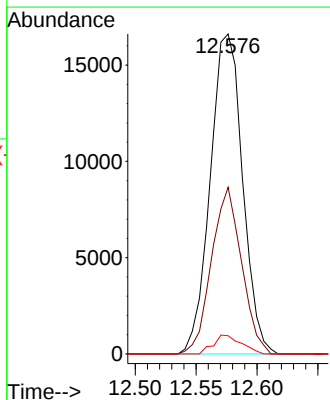
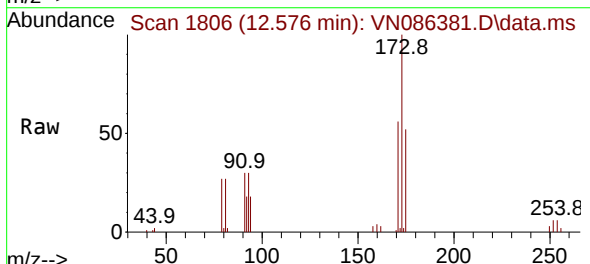
Manual Integrations  
APPROVED

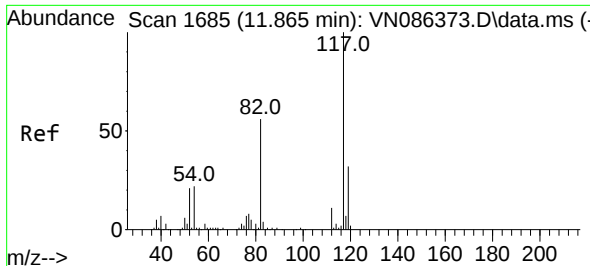
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#56  
Bromoform  
Concen: 18.434 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

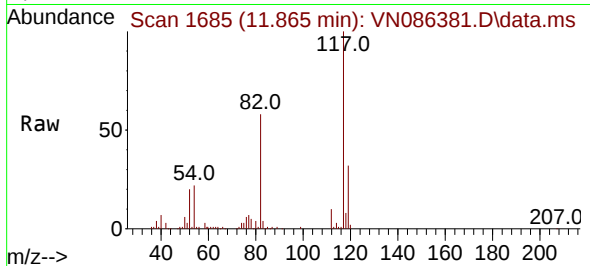
Tgt Ion:173 Resp: 30722  
Ion Ratio Lower Upper  
173 100  
175 48.3 39.0 58.6  
254 5.1 3.8 5.6





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

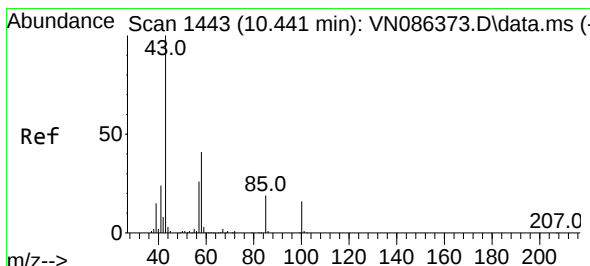
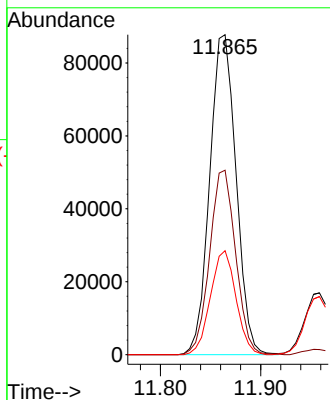
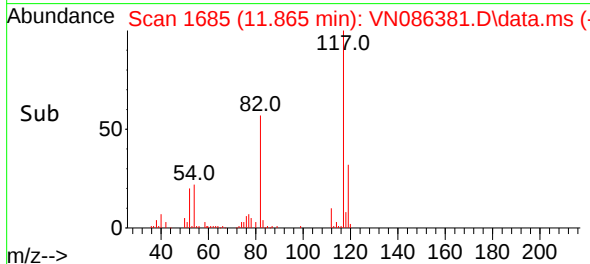
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion: 117 Resp: 16041  
Ion Ratio Lower Upper  
117 100  
82 57.0 45.5 68.3  
119 31.5 25.9 38.9

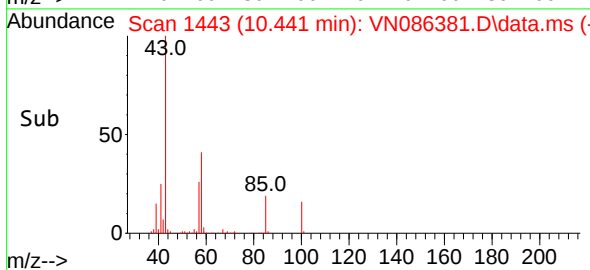
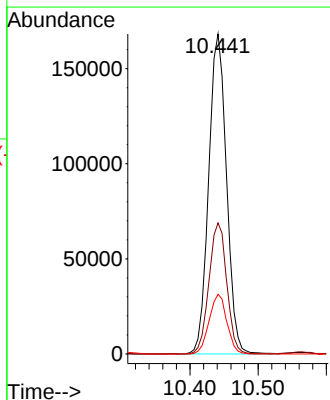
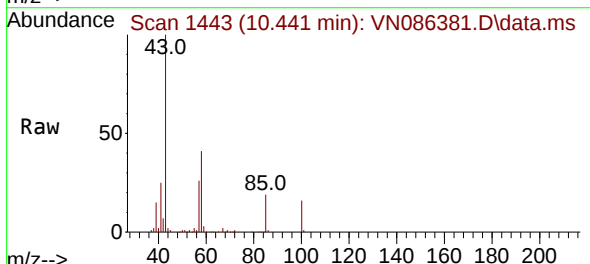
Manual Integrations  
APPROVED

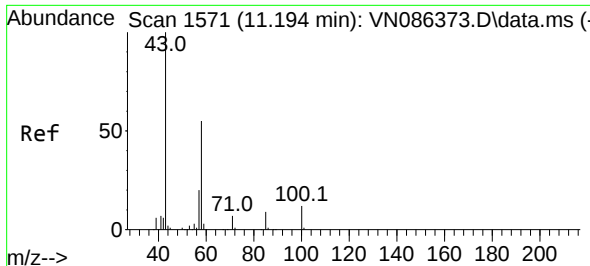
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#58  
4-Methyl-2-Pentanone  
Concen: 98.743 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

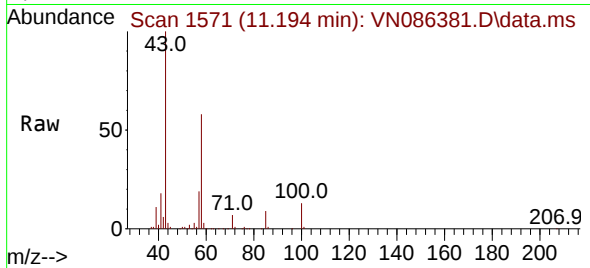
Tgt Ion: 43 Resp: 306519  
Ion Ratio Lower Upper  
43 100  
58 40.9 33.0 49.6  
85 18.5 14.9 22.3





#59  
2-Hexanone  
Concen: 98.060 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

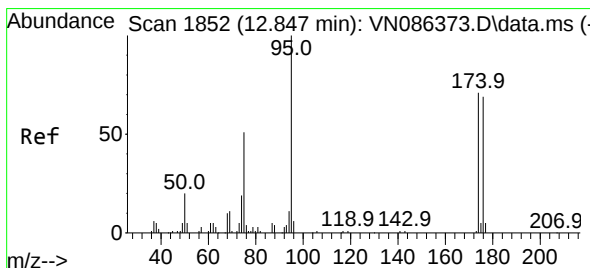
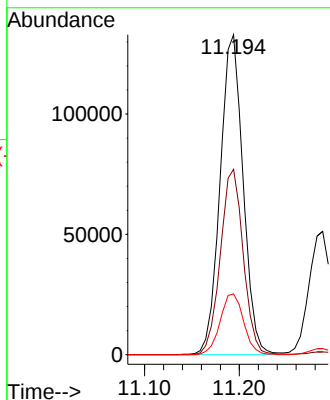
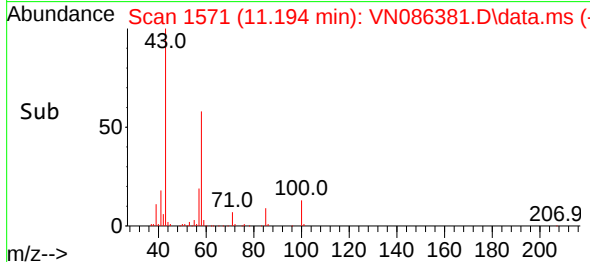
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



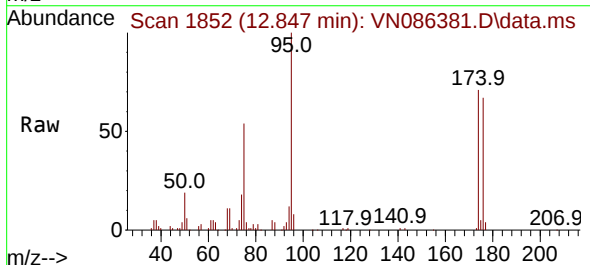
Tgt Ion: 43 Resp: 224318  
Ion Ratio Lower Upper  
43 100  
58 57.7 45.0 67.6  
57 19.4 15.5 23.3

Manual Integrations  
APPROVED

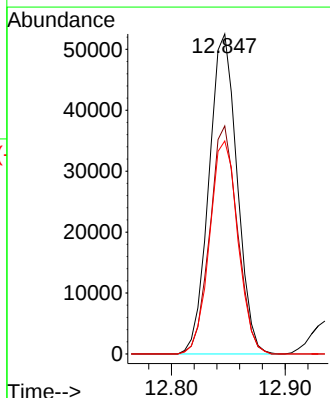
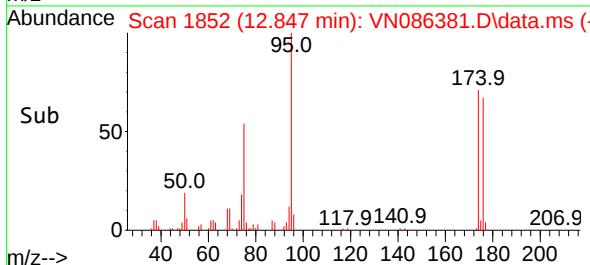
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025

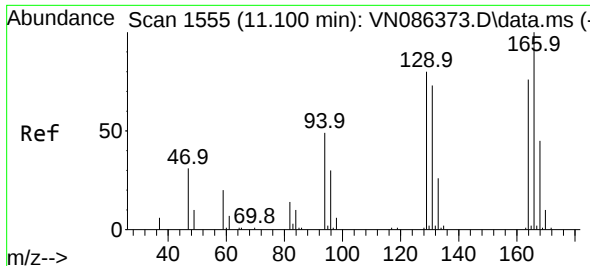


#60  
4-Bromofluorobenzene  
Concen: 28.685 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53



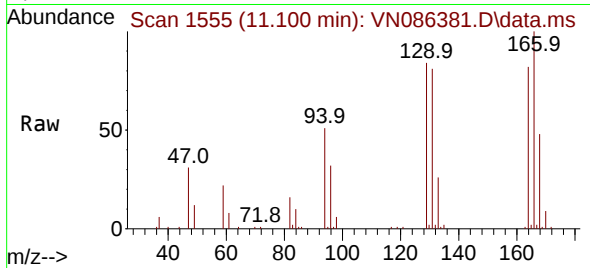
Tgt Ion: 95 Resp: 90439  
Ion Ratio Lower Upper  
95 100  
174 70.0 56.6 84.8  
176 66.9 53.3 79.9





#61  
Tetrachloroethene  
Concen: 19.102 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

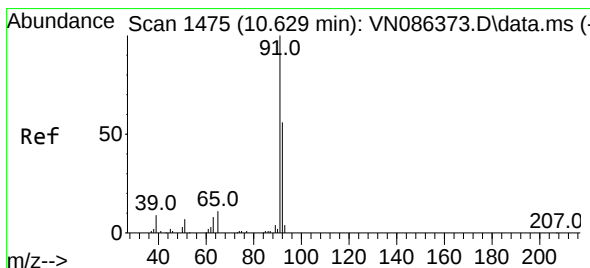
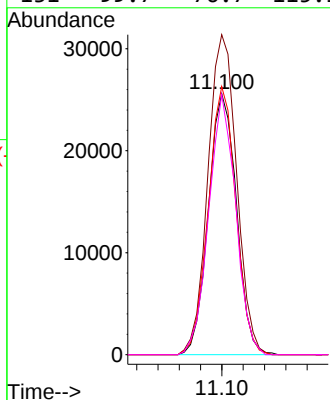
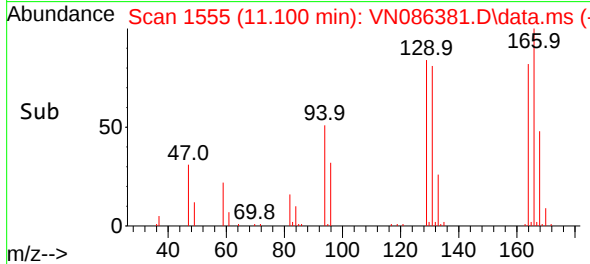
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



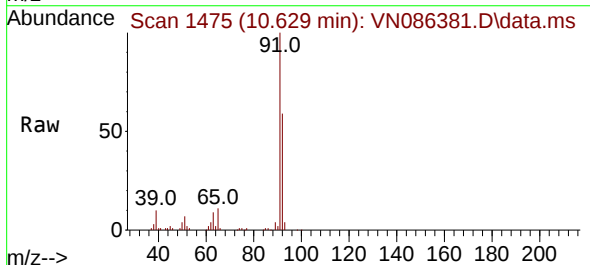
Tgt Ion:164 Resp: 46730  
Ion Ratio Lower Upper  
164 100  
166 122.6 105.0 157.4  
129 102.8 83.9 125.9  
131 99.7 76.7 115.1

Manual Integrations  
APPROVED

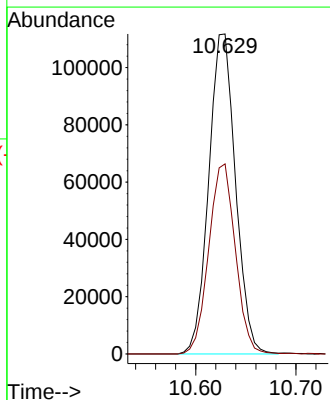
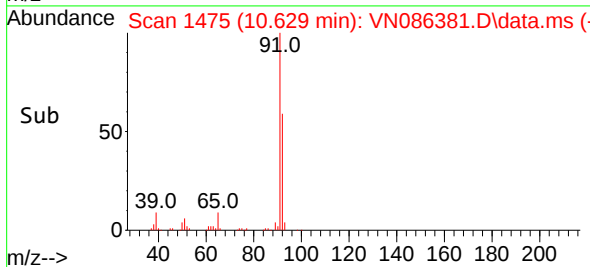
Reviewed By :John Carbone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025

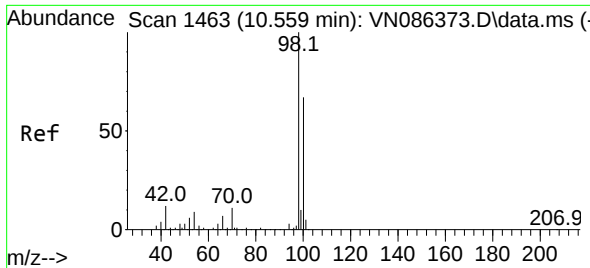


#62  
Toluene  
Concen: 19.339 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53



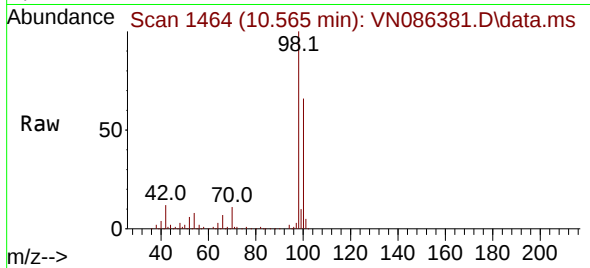
Tgt Ion: 91 Resp: 207649  
Ion Ratio Lower Upper  
91 100  
92 59.0 45.7 68.5





#63  
Toluene-d8  
Concen: 30.100 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

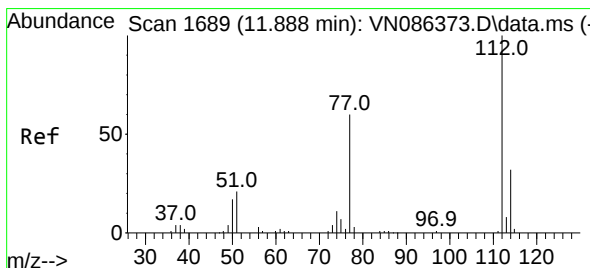
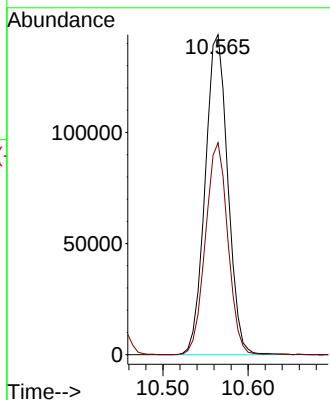
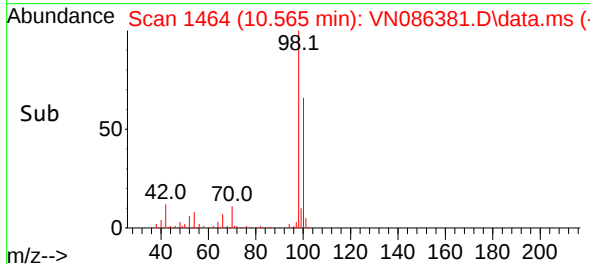
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion: 98 Resp: 265630  
Ion Ratio Lower Upper  
98 100  
100 65.6 53.1 79.7

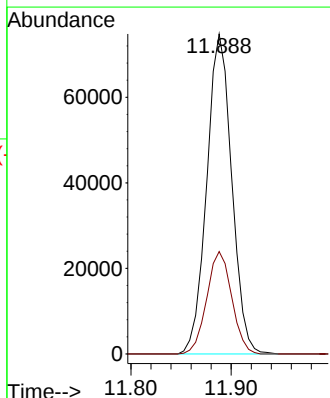
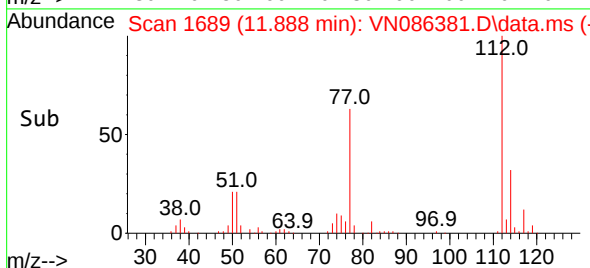
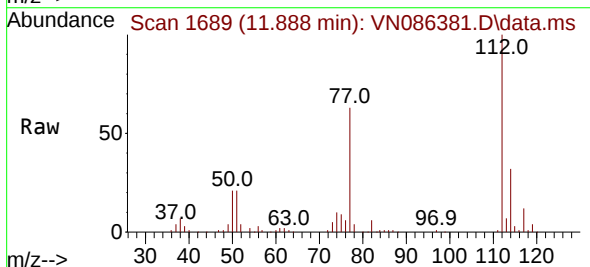
Manual Integrations  
APPROVED

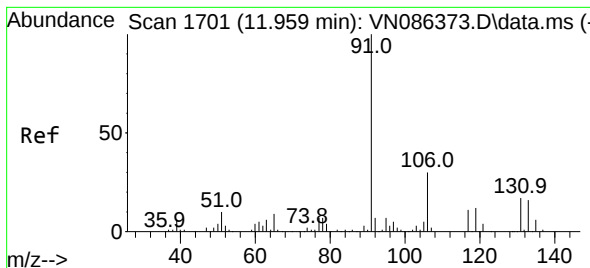
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#64  
Chlorobenzene  
Concen: 19.378 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

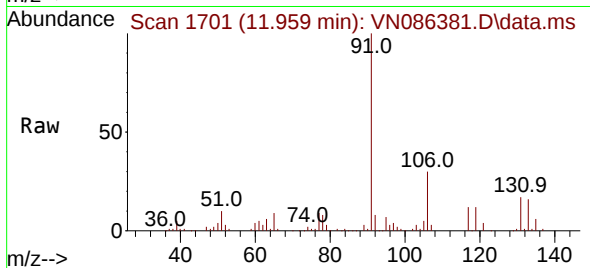
Tgt Ion:112 Resp: 129646  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.6 38.4





#65  
1,1,1,2-Tetrachloroethane  
Concen: 19.270 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

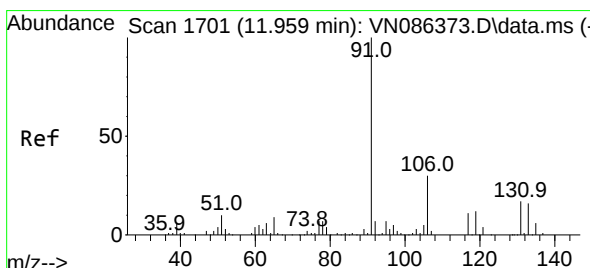
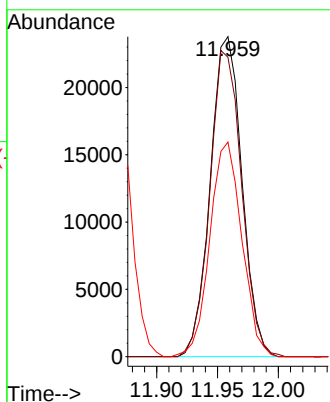
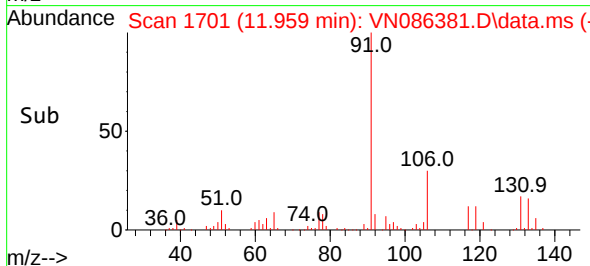
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



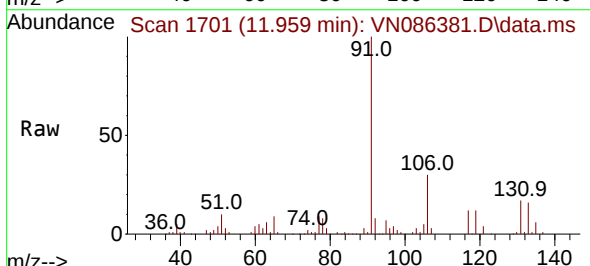
Tgt Ion:131 Resp: 43109  
Ion Ratio Lower Upper  
131 100  
133 96.1 0.0 191.4  
119 67.6 0.0 133.6

Manual Integrations  
APPROVED

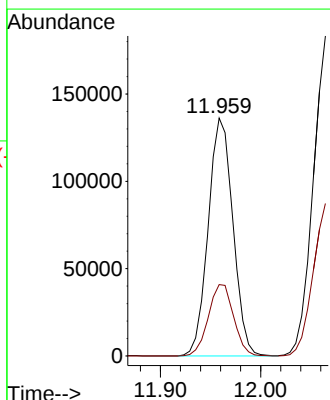
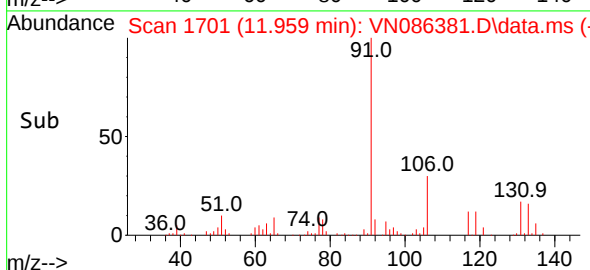
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025

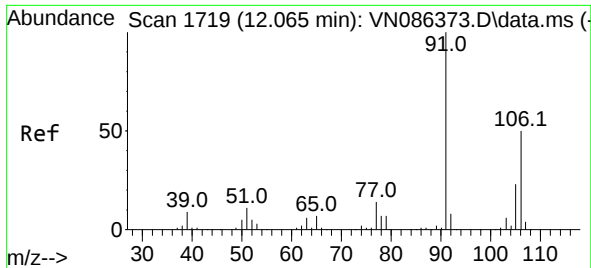


#66  
Ethyl Benzene  
Concen: 19.345 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53



Tgt Ion: 91 Resp: 233802  
Ion Ratio Lower Upper  
91 100  
106 30.0 24.3 36.5





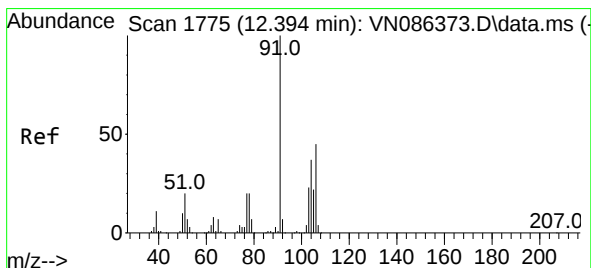
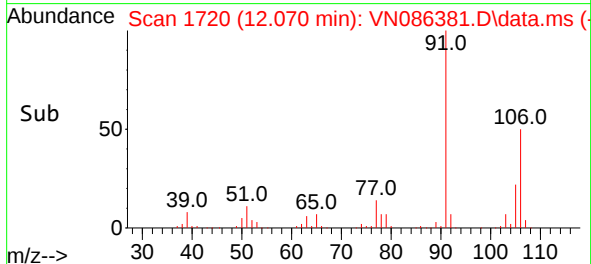
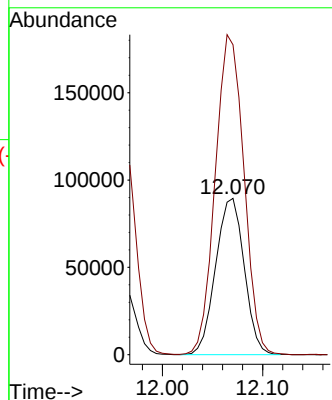
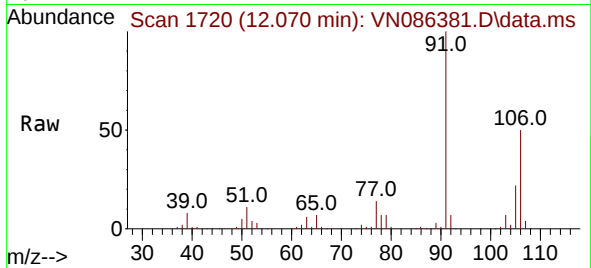
#67  
m/p-Xylenes  
Concen: 38.625 ug/l  
RT: 12.070 min Scan# 1719  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325

Tgt Ion:106 Resp: 177124  
Ion Ratio Lower Upper  
106 100  
91 205.2 162.6 243.8

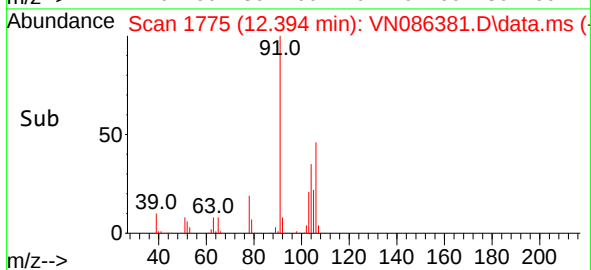
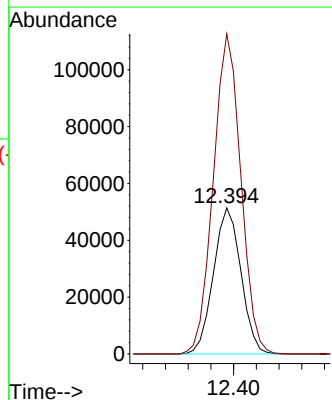
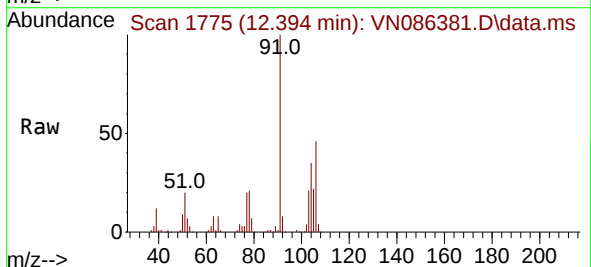
Manual Integrations  
APPROVED

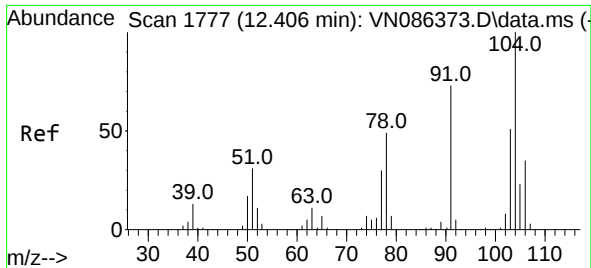
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#68  
o-Xylene  
Concen: 19.209 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Tgt Ion:106 Resp: 86250  
Ion Ratio Lower Upper  
106 100  
91 219.8 110.6 331.6





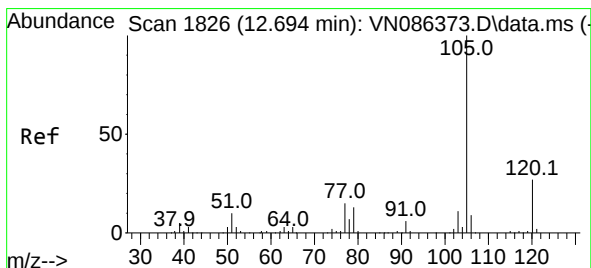
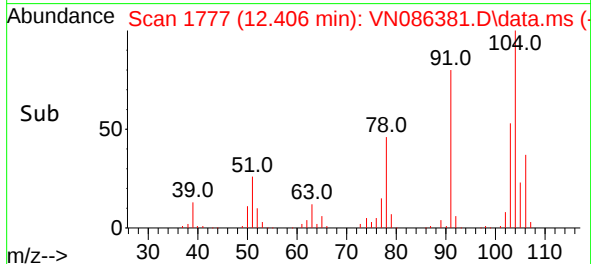
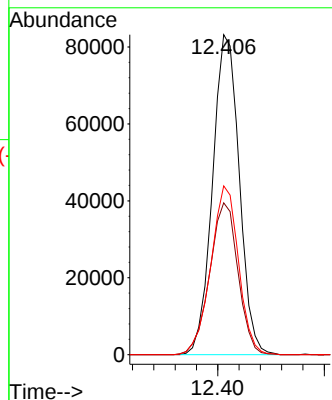
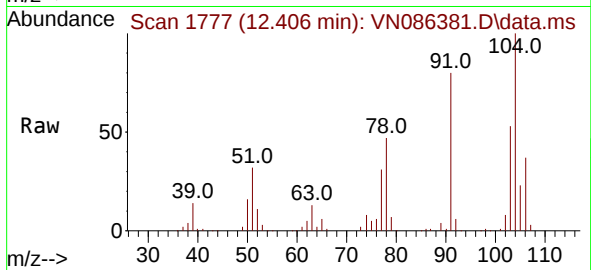
#69  
Styrene  
Concen: 19.014 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument : MSVOA\_N  
ClientSampleId : ICVVN042325

Tgt Ion:104 Resp: 144708  
Ion Ratio Lower Upper  
104 100  
78 50.2 40.2 60.4  
103 54.7 43.8 65.8

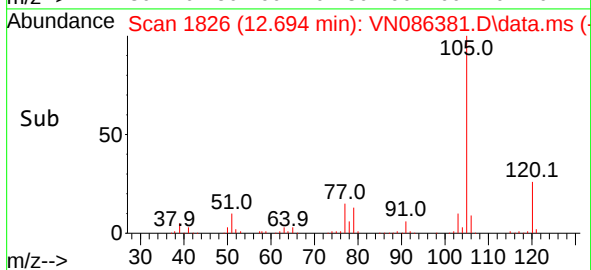
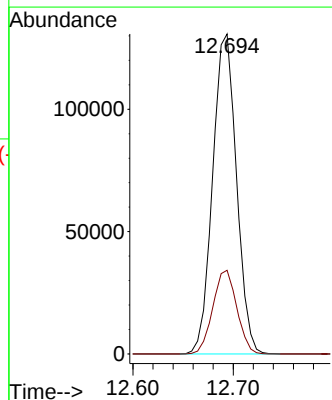
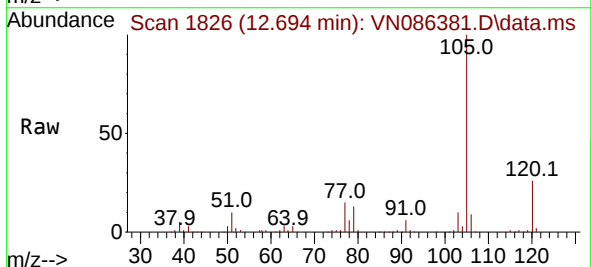
Manual Integrations  
APPROVED

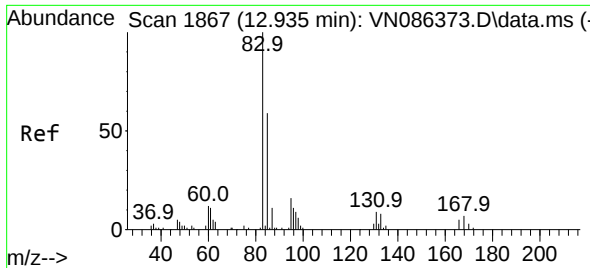
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#70  
Isopropylbenzene  
Concen: 19.236 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Tgt Ion:105 Resp: 215598  
Ion Ratio Lower Upper  
105 100  
120 26.3 18.2 33.8





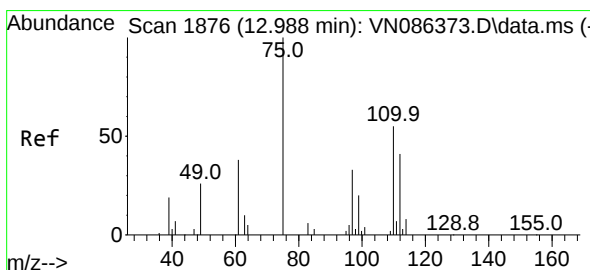
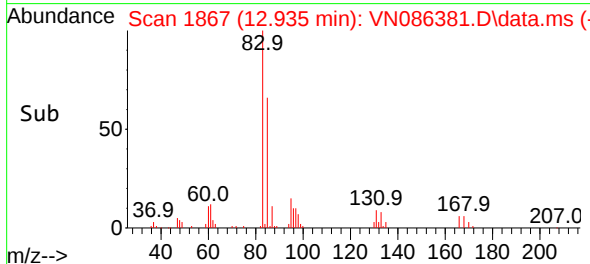
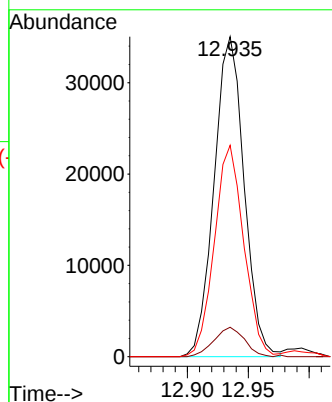
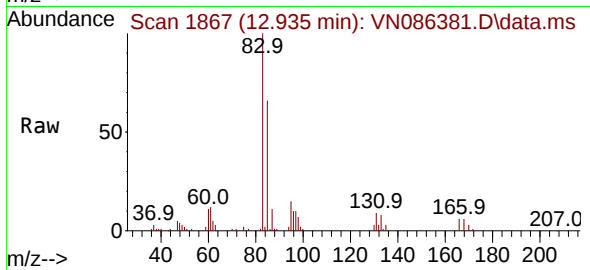
#71  
1,1,2,2-Tetrachloroethane  
Concen: 20.382 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument : MSVOA\_N  
ClientSampleId : ICVVN042325

Tgt Ion: 83 Resp: 6015  
Ion Ratio Lower Upper  
83 100  
131 9.4 4.5 13.7  
85 64.6 31.7 95.1

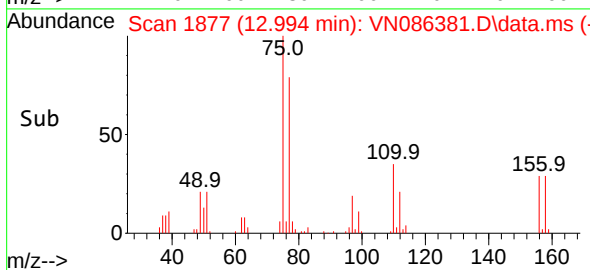
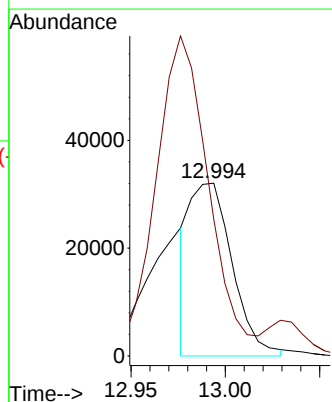
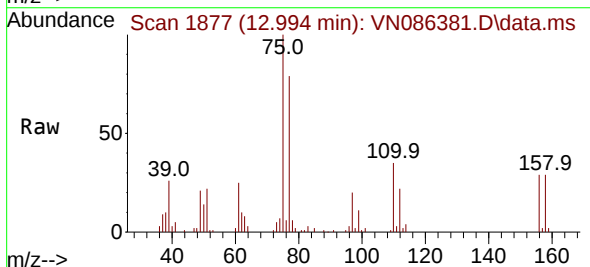
Manual Integrations  
APPROVED

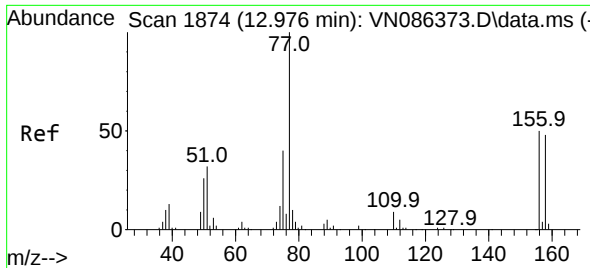
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#72  
1,2,3-Trichloropropane  
Concen: 19.624 ug/l m  
RT: 12.994 min Scan# 1877  
Delta R.T. 0.006 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

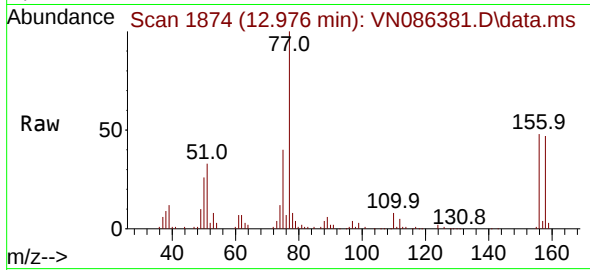
Tgt Ion: 75 Resp: 50492  
Ion Ratio Lower Upper  
75 100  
77 230.2 0.0 464.4





#73  
Bromobenzene  
Concen: 19.266 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

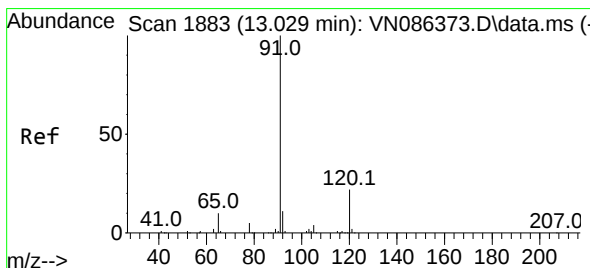
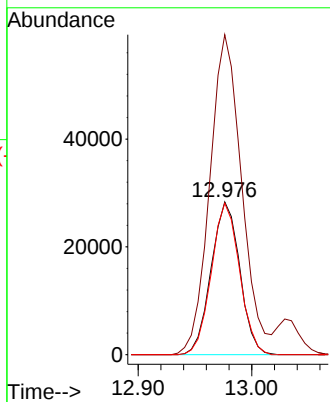
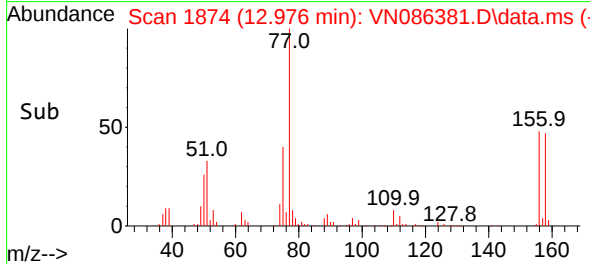
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



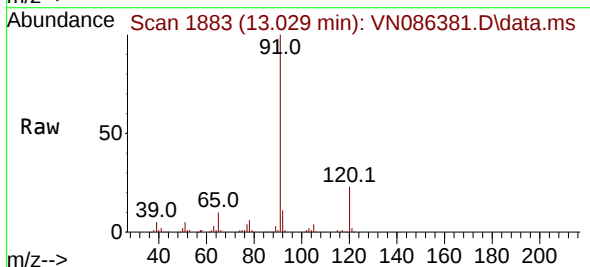
Tgt Ion:156 Resp: 4964  
Ion Ratio Lower Upper  
156 100  
77 234.1 0.0 463.4  
158 97.7 0.0 191.8

Manual Integrations  
APPROVED

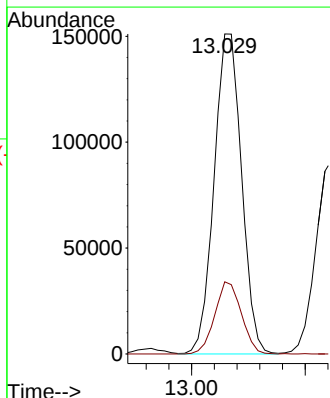
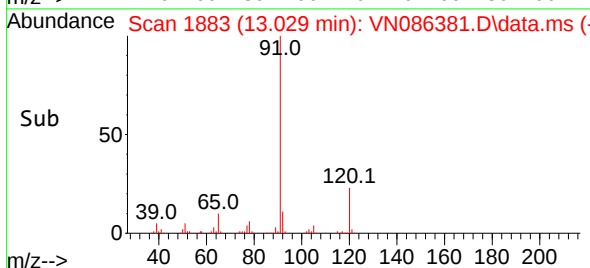
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025

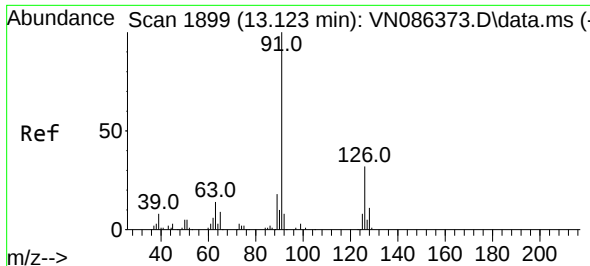


#74  
n-propylbenzene  
Concen: 19.064 ug/l  
RT: 13.029 min Scan# 1883  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53



Tgt Ion: 91 Resp: 253908  
Ion Ratio Lower Upper  
91 100  
120 21.7 0.0 43.8





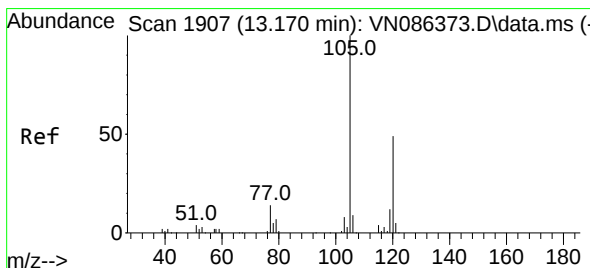
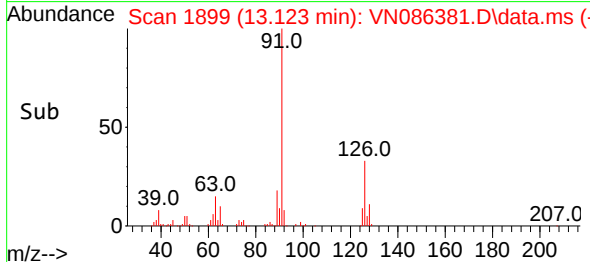
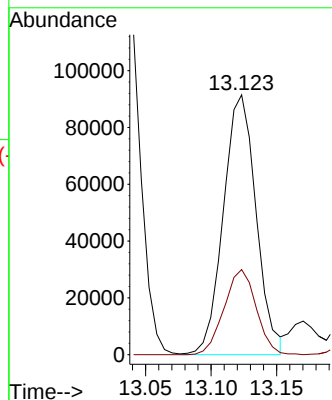
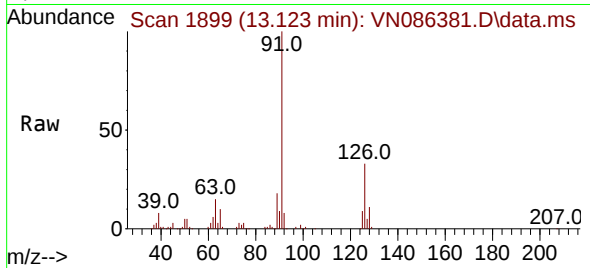
#75  
2-Chlorotoluene  
Concen: 19.133 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325

Tgt Ion: 91 Resp: 159080  
Ion Ratio Lower Upper  
91 100  
126 32.1 0.0 65.0

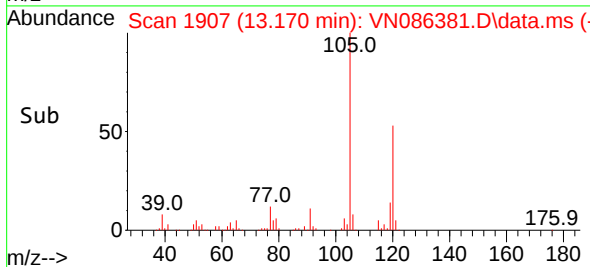
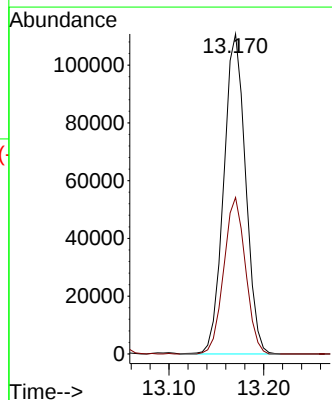
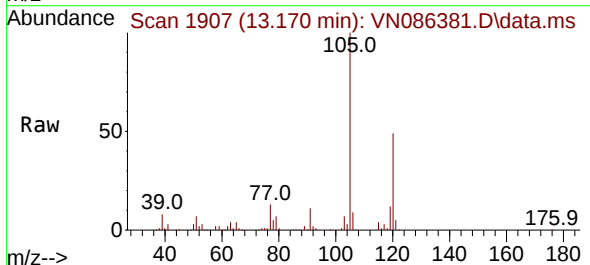
Manual Integrations  
APPROVED

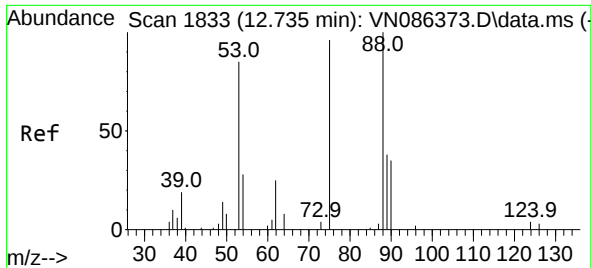
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#76  
1,3,5-Trimethylbenzene  
Concen: 19.311 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

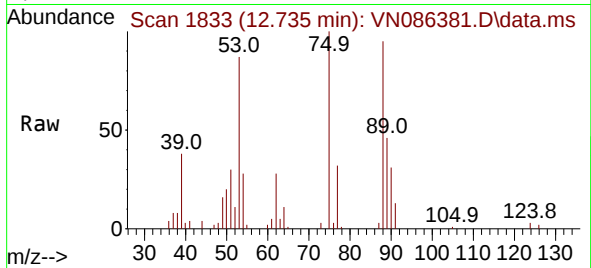
Tgt Ion:105 Resp: 177597  
Ion Ratio Lower Upper  
105 100  
120 48.5 0.0 97.6





#77  
t-1,4-Dichloro-2-butene  
Concen: 18.884 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

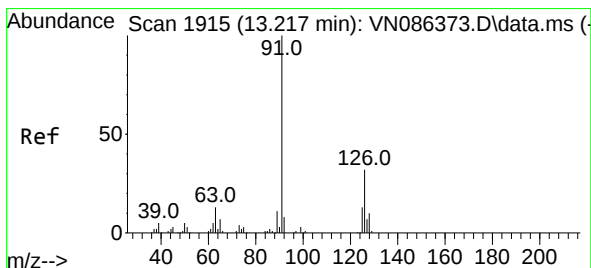
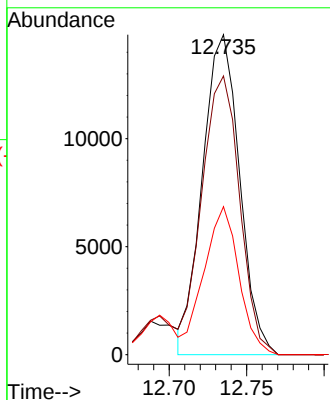
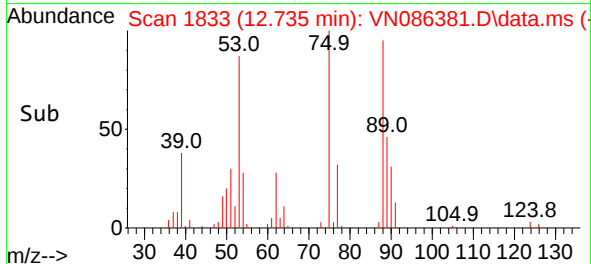
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion: 75 Resp: 24658  
Ion Ratio Lower Upper  
75 100  
53 87.1 46.0 138.0  
89 46.2 21.6 64.6

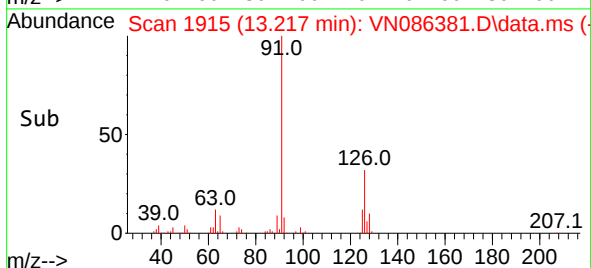
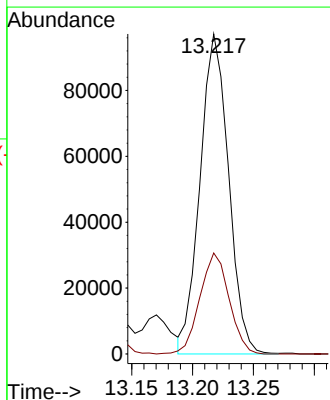
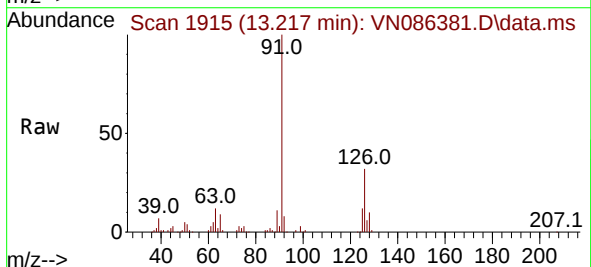
Manual Integrations  
APPROVED

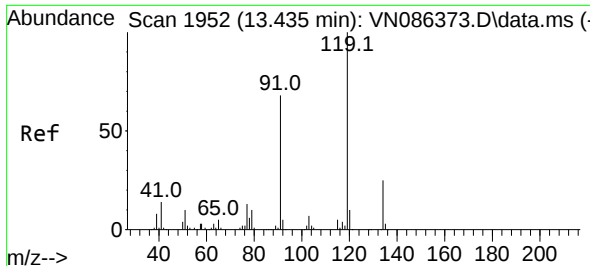
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#78  
4-Chlorotoluene  
Concen: 19.044 ug/l  
RT: 13.217 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Tgt Ion: 91 Resp: 158316  
Ion Ratio Lower Upper  
91 100  
126 32.3 0.0 65.4





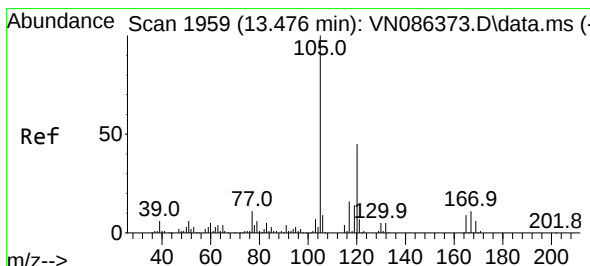
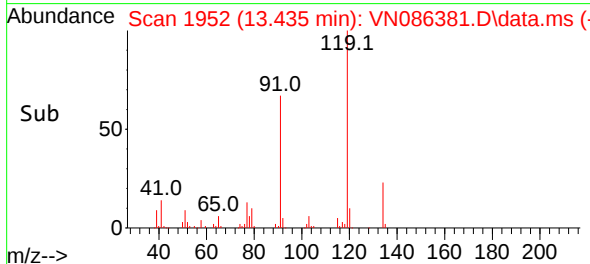
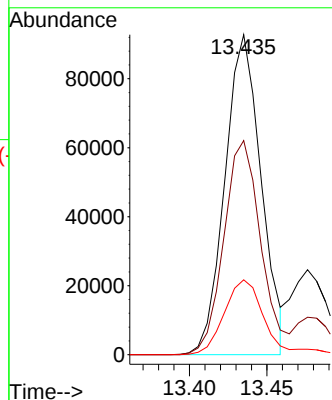
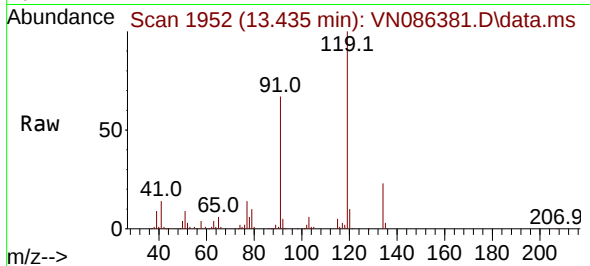
#79  
tert-butylbenzene  
Concen: 19.180 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument : MSVOA\_N  
ClientSampleId : ICVVN042325

Tgt Ion:119 Resp: 151069  
Ion Ratio Lower Upper  
119 100  
91 68.4 0.0 137.4  
134 24.6 0.0 49.2

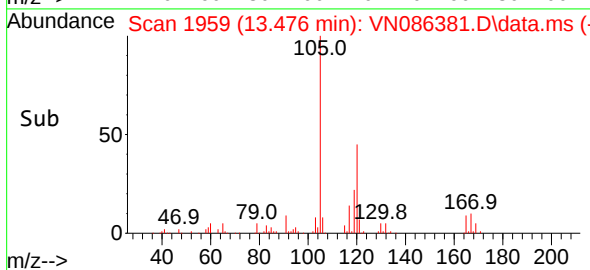
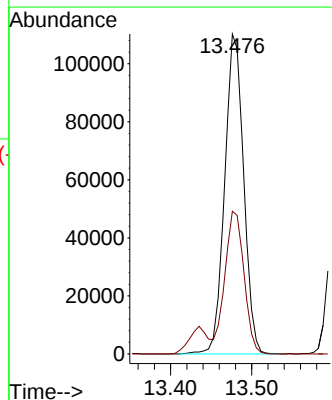
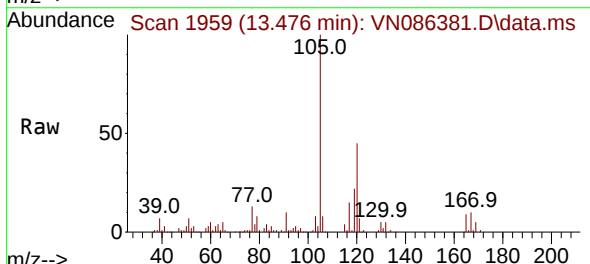
Manual Integrations  
APPROVED

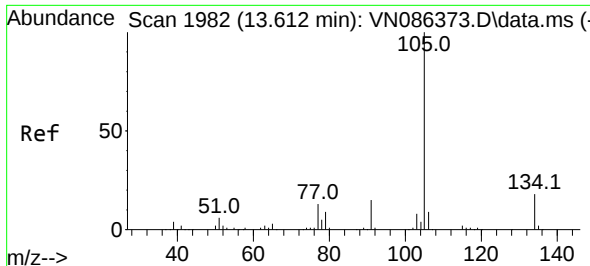
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#80  
1,2,4-Trimethylbenzene  
Concen: 19.103 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

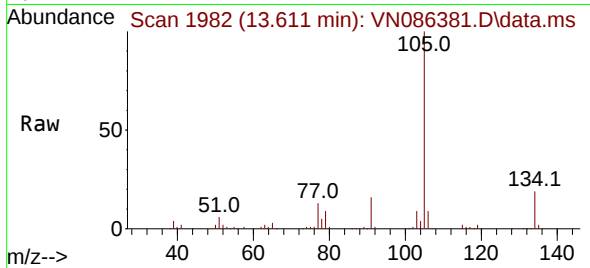
Tgt Ion:105 Resp: 179423  
Ion Ratio Lower Upper  
105 100  
120 44.7 0.0 87.6





#81  
 sec-Butylbenzene  
 Concen: 19.091 ug/l  
 RT: 13.611 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN086381.D  
 Acq: 23 Apr 2025 13:53

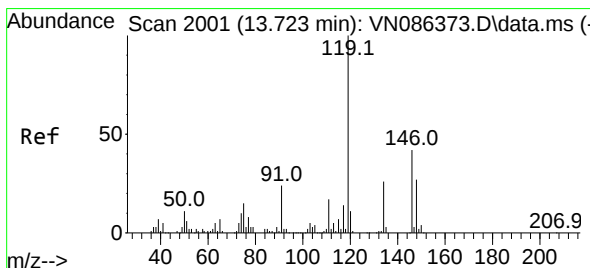
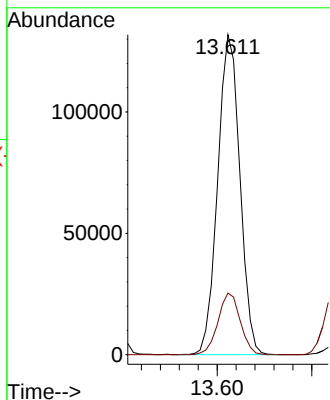
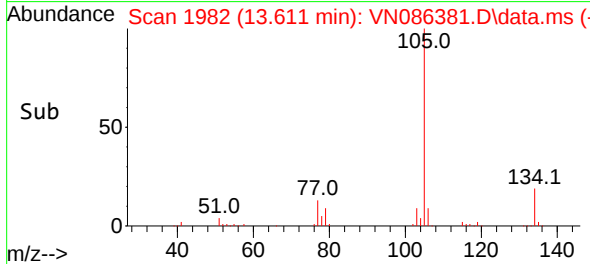
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN042325



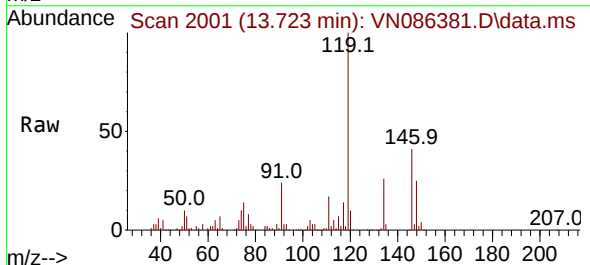
Tgt Ion:105 Resp: 21464  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 0.0 38.4

Manual Integrations  
 APPROVED

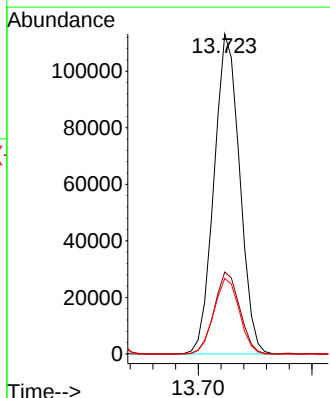
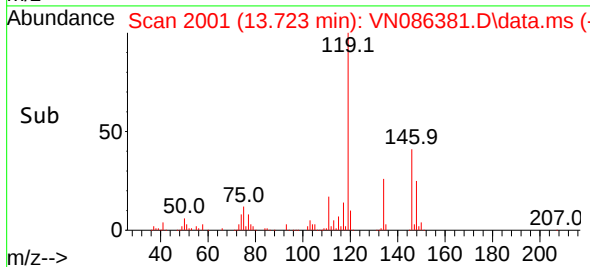
Reviewed By :John Carlone 04/24/2025  
 Supervised By :Mahesh Dadoda 04/25/2025

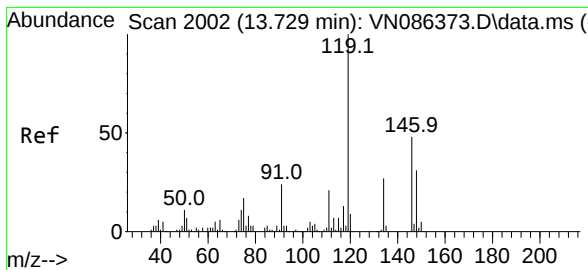


#82  
 p-Isopropyltoluene  
 Concen: 18.866 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. -0.000 min  
 Lab File: VN086381.D  
 Acq: 23 Apr 2025 13:53



Tgt Ion:119 Resp: 177486  
 Ion Ratio Lower Upper  
 119 100  
 134 25.4 0.0 52.2  
 91 23.4 0.0 47.6





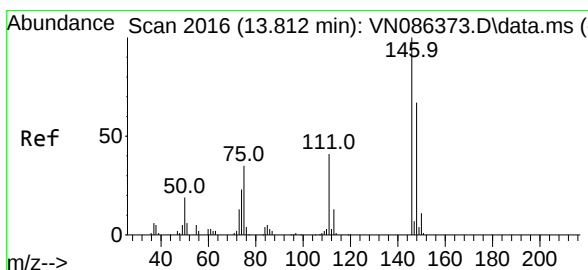
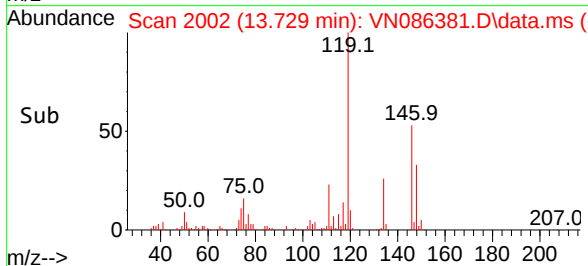
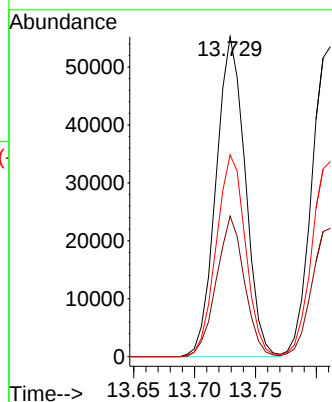
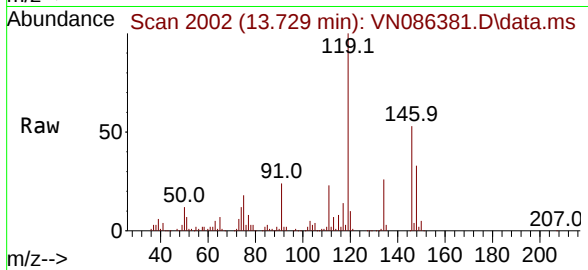
#83  
1,3-Dichlorobenzene  
Concen: 18.889 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325

Tgt Ion:146 Resp: 92009  
Ion Ratio Lower Upper  
146 100  
111 42.4 20.7 62.1  
148 63.4 32.3 96.8

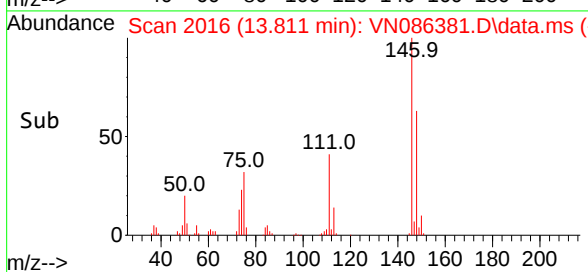
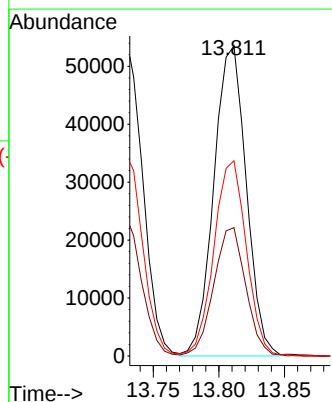
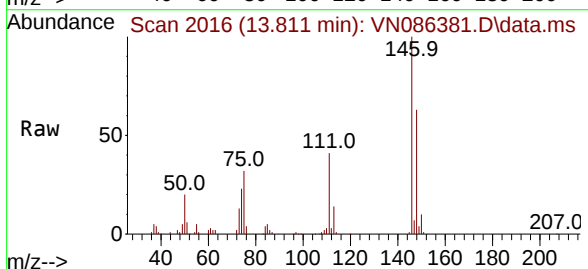
Manual Integrations  
APPROVED

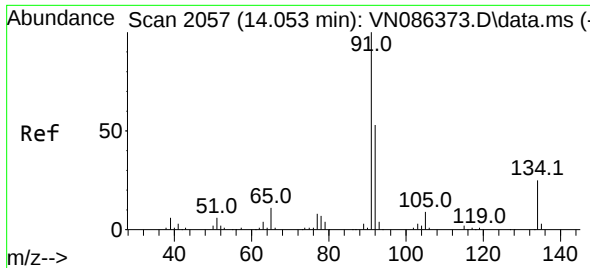
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#84  
1,4-Dichlorobenzene  
Concen: 19.142 ug/l  
RT: 13.811 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

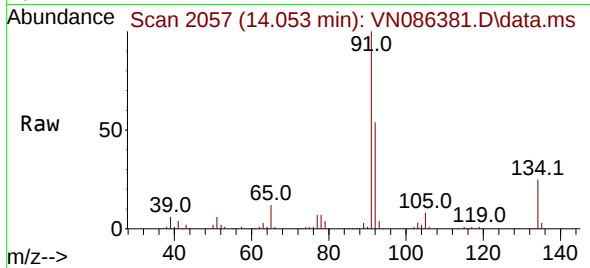
Tgt Ion:146 Resp: 92122  
Ion Ratio Lower Upper  
146 100  
111 40.8 20.3 60.8  
148 63.0 32.4 97.2





#85  
n-Butylbenzene  
Concen: 18.762 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

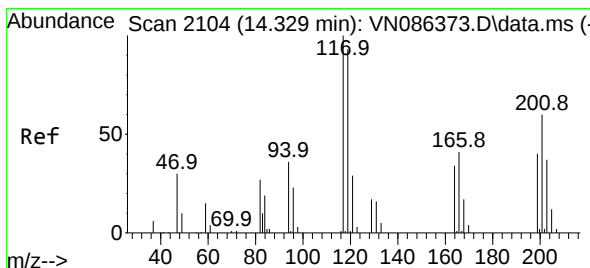
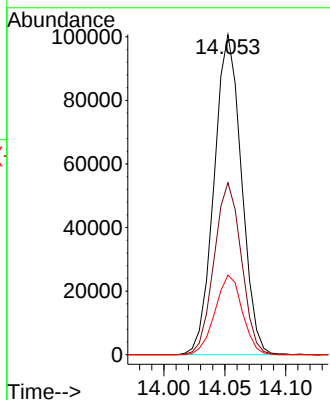
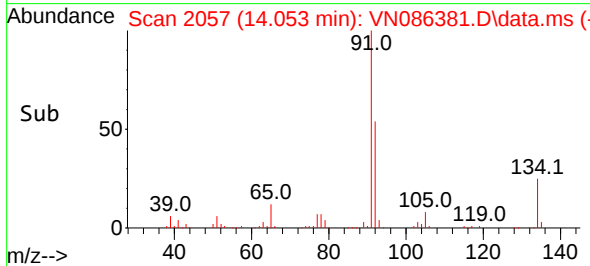
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



Tgt Ion: 91 Resp: 157490  
Ion Ratio Lower Upper  
91 100  
92 53.5 0.0 107.2  
134 24.8 0.0 48.2

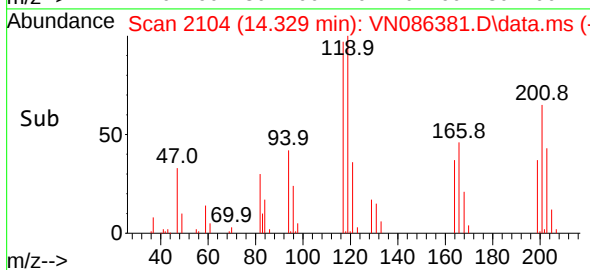
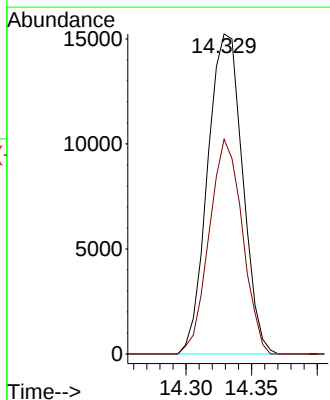
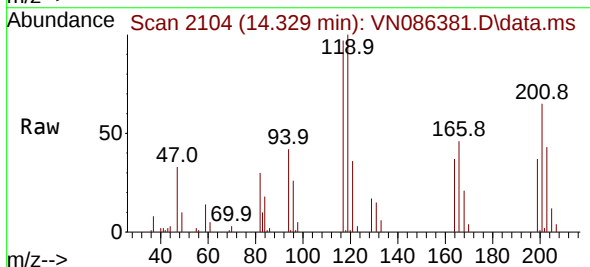
Manual Integrations  
APPROVED

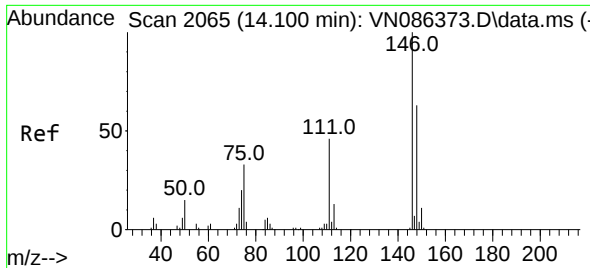
Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#86  
Hexachloroethane  
Concen: 18.358 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

Tgt Ion:117 Resp: 28240  
Ion Ratio Lower Upper  
117 100  
201 63.8 31.7 95.1





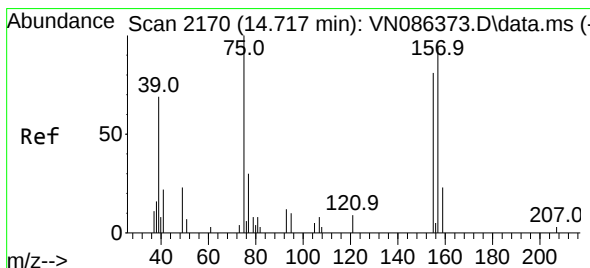
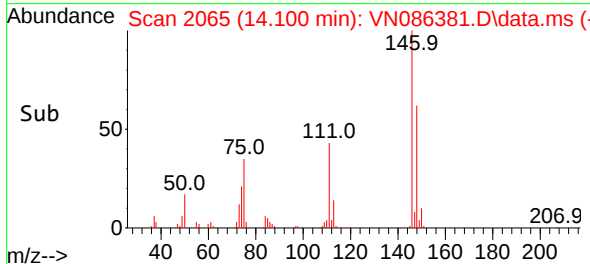
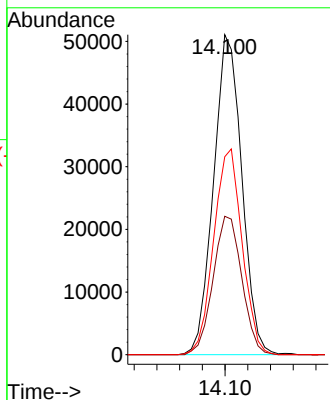
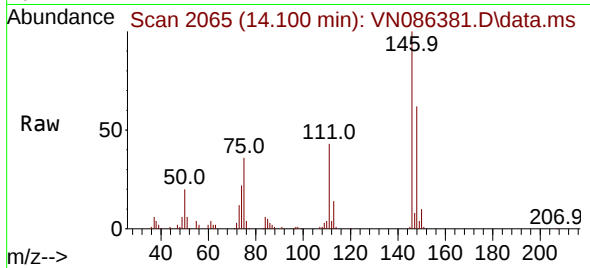
#87  
 1,2-Dichlorobenzene  
 Concen: 19.078 ug/l  
 RT: 14.100 min Scan# 2065  
 Delta R.T. -0.000 min  
 Lab File: VN086381.D  
 Acq: 23 Apr 2025 13:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN042325

Tgt Ion:146 Resp: 8842  
 Ion Ratio Lower Upper  
 146 100  
 111 43.9 22.1 66.3  
 148 64.7 32.0 96.0

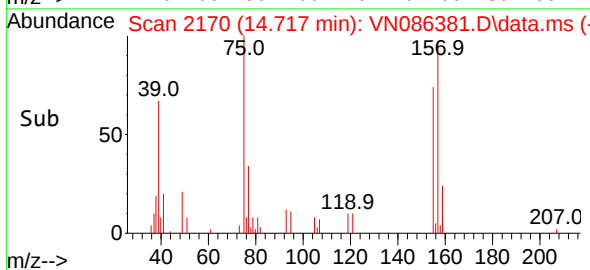
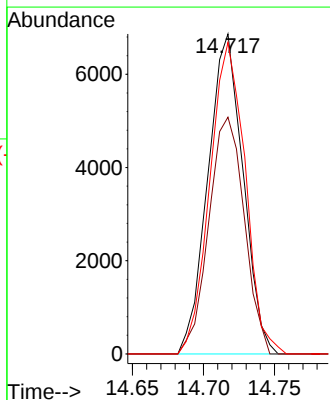
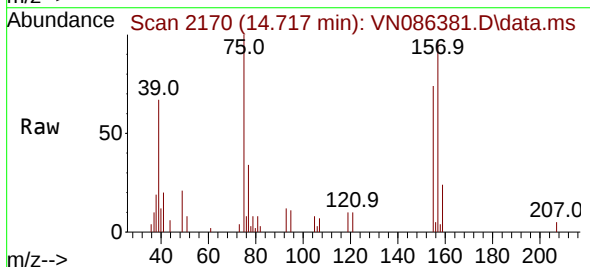
Manual Integrations  
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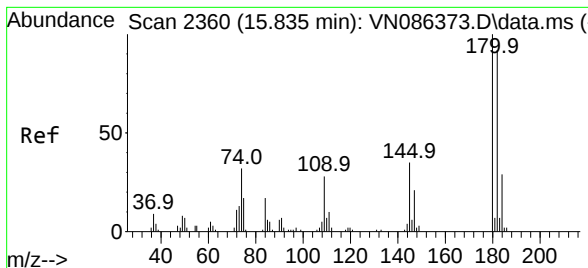
Reviewed By :John Carlone 04/24/2025  
 Supervised By :Mahesh Dadoda 04/25/2025



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.684 ug/l  
 RT: 14.717 min Scan# 2170  
 Delta R.T. -0.000 min  
 Lab File: VN086381.D  
 Acq: 23 Apr 2025 13:53

Tgt Ion: 75 Resp: 11808  
 Ion Ratio Lower Upper  
 75 100  
 155 74.8 64.0 96.0  
 157 97.7 78.2 117.4





#89

1,2,4-Trichlorobenzene

Concen: 19.995 ug/l

RT: 15.835 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN042325

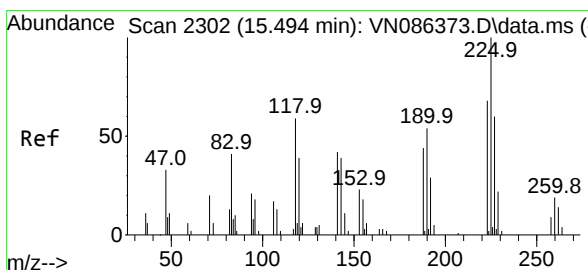
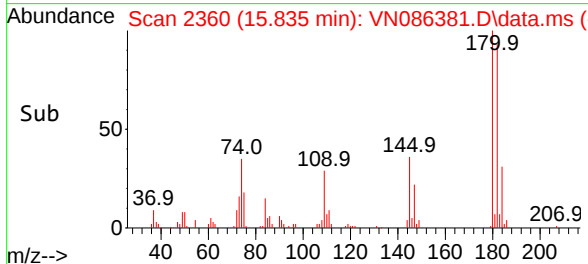
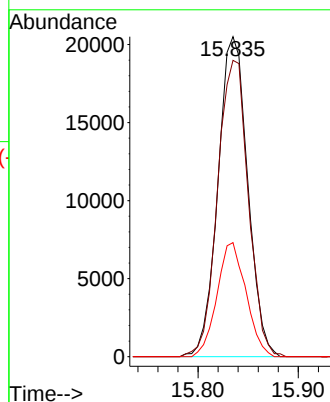
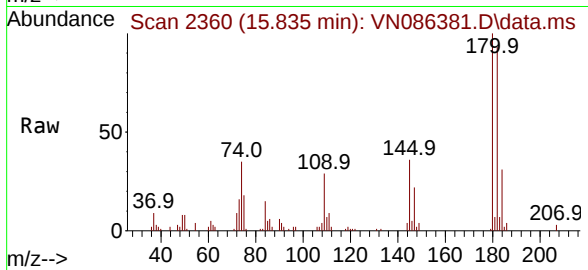
Tgt Ion:180 Resp: 42238  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 74.8 112.2  
 145 34.8 26.9 40.3

Manual Integrations

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Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#90

Hexachlorobutadiene

Concen: 21.534 ug/l

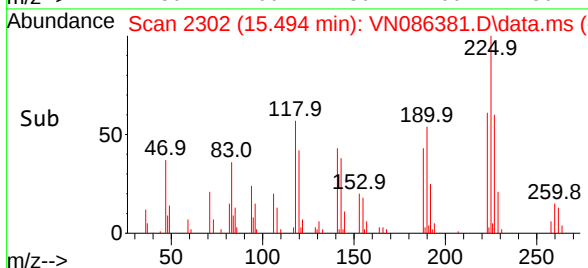
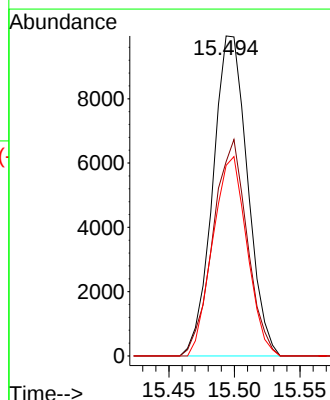
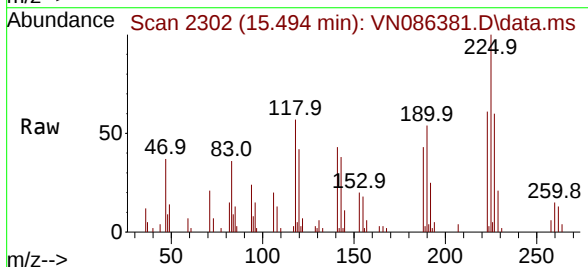
RT: 15.494 min Scan# 2302

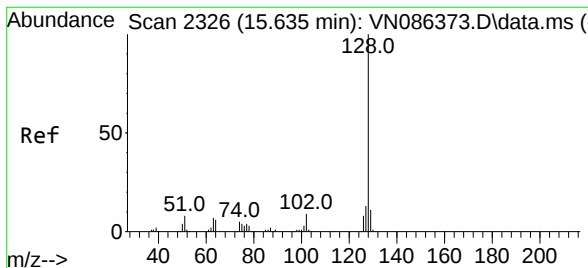
Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

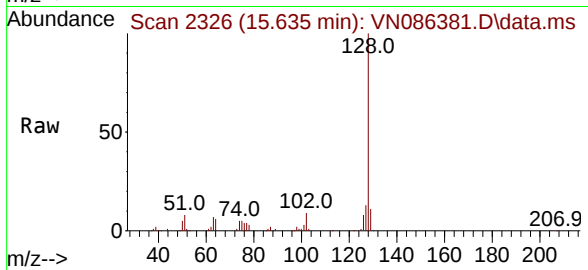
Tgt Ion:225 Resp: 18323  
 Ion Ratio Lower Upper  
 225 100  
 223 66.5 0.0 128.8  
 227 61.5 0.0 120.2





#91  
Naphthalene  
Concen: 20.413 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53

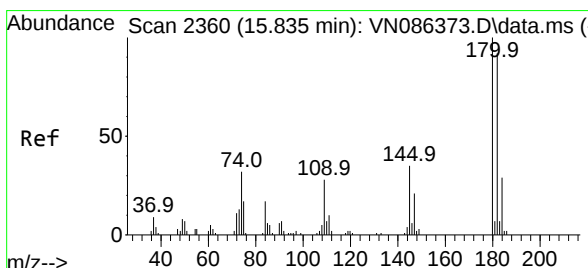
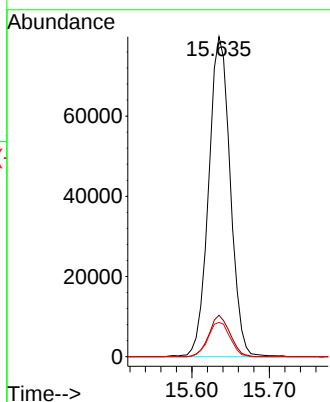
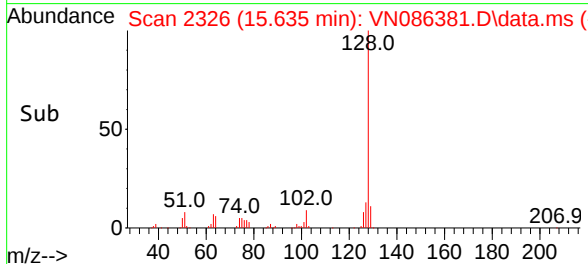
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN042325



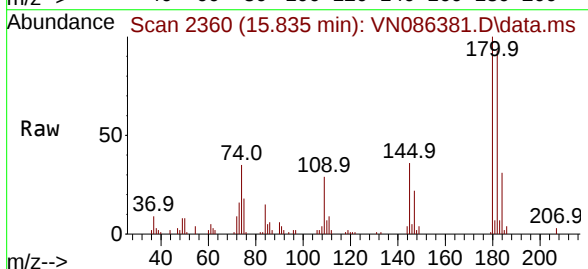
Tgt Ion:128 Resp: 154380  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.6 15.8  
129 10.9 8.7 13.1

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/24/2025  
Supervised By :Mahesh Dadoda 04/25/2025



#92  
1,2,3-Trichlorobenzene  
Concen: 19.995 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. -0.000 min  
Lab File: VN086381.D  
Acq: 23 Apr 2025 13:53



Tgt Ion:180 Resp: 42238  
Ion Ratio Lower Upper  
180 100  
182 95.5 0.0 187.0  
145 34.8 0.0 67.2

