

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052925\  
 Data File : VN086814.D  
 Acq On : 29 May 2025 14:28  
 Operator : JC\MD  
 Sample : VN0529WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0529WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/30/2025  
 Supervised By : Mahesh Dadoda 05/30/2025

Quant Time: May 30 02:42:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N052925W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri May 30 02:22:52 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Bromochloromethane        | 7.812          | 128  | 39012               | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100          | 114  | 225024              | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865         | 117  | 196952              | 30.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.577          | 65   | 80777               | 30.136  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 100.467% |         |        |          |
| 60) 4-Bromofluorobenzene     | 12.847         | 95   | 91528               | 29.600  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 98.667%  |         |        |          |
| 63) Toluene-d8               | 10.565         | 98   | 273266              | 30.229  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 100.767% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 51898               | 19.587  | ug/l   | 98       |
| 3) Chloromethane             | 2.359          | 50   | 64729               | 18.947  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.512          | 62   | 59186               | 18.826  | ug/l   | 98       |
| 5) Bromomethane              | 2.959          | 94   | 31670               | 19.012  | ug/l   | 92       |
| 6) Chloroethane              | 3.124          | 64   | 37151               | 19.320  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.501          | 101  | 70726               | 19.208  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.959          | 74   | 29457               | 19.178  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 44221               | 19.596  | ug/l   | 97       |
| 10) 1,1-Dichloroethene       | 4.342          | 96   | 44803               | 19.474  | ug/l   | 97       |
| 11) Methyl Iodide            | 4.583          | 142  | 52233               | 19.259  | ug/l   | 97       |
| 12) Methyl Acetate           | 5.024          | 43   | 47177               | 18.464  | ug/l   | 97       |
| 13) Acrolein                 | 4.177          | 56   | 23553               | 89.233  | ug/l   | 99       |
| 14) Acrylonitrile            | 5.718          | 53   | 112813              | 94.881  | ug/l   | 98       |
| 15) Acetone                  | 4.424          | 58   | 29267               | 97.218  | ug/l   | 85       |
| 16) Carbon Disulfide         | 4.712          | 76   | 128495              | 19.133  | ug/l   | 100      |
| 17) Allyl chloride           | 5.018          | 41   | 67113               | 19.636  | ug/l   | 99       |
| 18) Methylene Chloride       | 5.271          | 84   | 51101               | 19.126  | ug/l   | 98       |
| 19) trans-1,2-Dichloroethene | 5.783          | 96   | 47264               | 19.631  | ug/l   | 93       |
| 20) Diisopropyl ether        | 6.671          | 45   | 150046              | 19.933  | ug/l   | 95       |
| 21) 1,1-Dichloroethane       | 6.559          | 63   | 86617               | 19.067  | ug/l   | 99       |
| 22) cis-1,2-Dichloroethene   | 7.483          | 96   | 57534               | 19.733  | ug/l   | 98       |
| 23) tert-Butyl Alcohol       | 5.512          | 59   | 37407               | 97.970  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.795          | 73   | 147763              | 19.488  | ug/l   | 99       |
| 25) Chloroform               | 7.965          | 83   | 85552               | 19.241  | ug/l   | 95       |
| 26) Cyclohexane              | 8.253          | 56   | 75568               | 19.220  | ug/l # | 98       |
| 29) 1,1-Dichloropropene      | 8.365          | 75   | 63523               | 19.200  | ug/l   | 99       |
| 30) 2-Butanone               | 7.477          | 43   | 136606              | 94.235  | ug/l   | 98       |
| 31) 2,2-Dichloropropane      | 7.489          | 77   | 74990               | 19.202  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 73036               | 19.043  | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 8.359          | 117  | 62464               | 19.053  | ug/l   | 93       |
| 34) Benzene                  | 8.606          | 78   | 205447              | 19.085  | ug/l   | 98       |
| 35) Methacrylonitrile        | 7.777          | 41   | 31053               | 18.648  | ug/l   | 93       |
| 36) 1,2-Dichloroethane       | 8.665          | 62   | 60249               | 19.099  | ug/l   | 98       |
| 37) Trichloroethene          | 9.347          | 130  | 54063               | 18.106  | ug/l   | 98       |
| 38) Methylcyclohexane        | 9.594          | 83   | 68555               | 18.675  | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 9.618          | 63   | 48355               | 18.658  | ug/l   | 95       |
| 40) Dibromomethane           | 9.706          | 93   | 32392               | 19.110  | ug/l   | 100      |
| 41) Bromodichloromethane     | 9.883          | 83   | 66521               | 18.748  | ug/l   | 98       |
| 42) Vinyl Acetate            | 6.600          | 43   | 436800              | 103.372 | ug/l   | 100      |

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 Sample : VN0529WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0529WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/30/2025  
 Supervised By : Mahesh Dadoda 05/30/2025

Quant Time: May 30 02:42:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N052925W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri May 30 02:22:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 7.559  | 43   | 55460m   | 18.697  | ug/l  |          |
| 44) Isopropyl Acetate         | 8.683  | 43   | 98414    | 19.341  | ug/l  | 99       |
| 45) 1,4-Dioxane               | 9.694  | 88   | 17310    | 382.736 | ug/l  | 91       |
| 46) Methyl methacrylate       | 9.677  | 41   | 44785    | 19.088  | ug/l  | 97       |
| 47) n-amyl Acetate            | 12.488 | 43   | 78982    | 19.334  | ug/l  | 100      |
| 48) t-1,3-Dichloropropene     | 10.830 | 75   | 71749    | 18.896  | ug/l  | 99       |
| 49) cis-1,3-Dichloropropene   | 10.306 | 75   | 78068    | 18.693  | ug/l  | 97       |
| 50) 1,1,2-Trichloroethane     | 11.012 | 97   | 46316    | 19.400  | ug/l  | 95       |
| 51) Ethyl methacrylate        | 10.871 | 69   | 72415    | 18.729  | ug/l  | 96       |
| 52) 1,3-Dichloropropane       | 11.159 | 76   | 79148    | 18.681  | ug/l  | 100      |
| 53) Dibromochloromethane      | 11.359 | 129  | 50872    | 18.857  | ug/l  | 98       |
| 54) 1,2-Dibromoethane         | 11.465 | 107  | 46129    | 18.903  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 178225   | 96.029  | ug/l  | 99       |
| 56) Bromoform                 | 12.576 | 173  | 31357    | 18.447  | ug/l  | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.441 | 43   | 281330   | 97.348  | ug/l  | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 202068   | 97.614  | ug/l  | 99       |
| 61) Tetrachloroethene         | 11.100 | 164  | 62684    | 18.934  | ug/l  | 90       |
| 62) Toluene                   | 10.624 | 91   | 217929   | 19.647  | ug/l  | 100      |
| 64) Chlorobenzene             | 11.888 | 112  | 136770   | 19.334  | ug/l  | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 44618    | 19.199  | ug/l  | 100      |
| 66) Ethyl Benzene             | 11.959 | 91   | 228625   | 19.056  | ug/l  | 98       |
| 67) m/p-Xylenes               | 12.065 | 106  | 180321   | 38.300  | ug/l  | 100      |
| 68) o-Xylene                  | 12.394 | 106  | 88744    | 19.450  | ug/l  | 98       |
| 69) Styrene                   | 12.406 | 104  | 145920   | 19.195  | ug/l  | 99       |
| 70) Isopropylbenzene          | 12.694 | 105  | 209036   | 19.262  | ug/l  | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 51741    | 20.053  | ug/l  | 98       |
| 72) 1,2,3-Trichloropropane    | 12.988 | 75   | 64388m   | 21.292  | ug/l  |          |
| 73) Bromobenzene              | 12.976 | 156  | 51615    | 19.135  | ug/l  | 100      |
| 74) n-propylbenzene           | 13.029 | 91   | 245885   | 19.128  | ug/l  | 99       |
| 75) 2-Chlorotoluene           | 13.118 | 91   | 157706   | 19.114  | ug/l  | 98       |
| 76) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 173580   | 19.227  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 22275    | 18.000  | ug/l  | 94       |
| 78) 4-Chlorotoluene           | 13.218 | 91   | 157358   | 19.253  | ug/l  | 99       |
| 79) tert-butylbenzene         | 13.435 | 119  | 148460   | 19.020  | ug/l  | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 172825   | 19.071  | ug/l  | 98       |
| 81) sec-Butylbenzene          | 13.612 | 105  | 201321   | 18.932  | ug/l  | 100      |
| 82) p-Isopropyltoluene        | 13.723 | 119  | 169153   | 18.944  | ug/l  | 100      |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 93914    | 18.979  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 13.812 | 146  | 93020    | 18.889  | ug/l  | 99       |
| 85) n-Butylbenzene            | 14.053 | 91   | 138092   | 18.473  | ug/l  | 100      |
| 86) Hexachloroethane          | 14.329 | 117  | 27829    | 18.287  | ug/l  | 100      |
| 87) 1,2-Dichlorobenzene       | 14.100 | 146  | 92020    | 19.277  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 10606    | 19.520  | ug/l  | 96       |
| 89) 1,2,4-Trichlorobenzene    | 15.835 | 180  | 38131    | 19.087  | ug/l  | 97       |
| 90) Hexachlorobutadiene       | 15.494 | 225  | 16623    | 19.414  | ug/l  | 99       |
| 91) Naphthalene               | 15.635 | 128  | 128849   | 18.486  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 38131    | 19.087  | ug/l  | 97       |

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

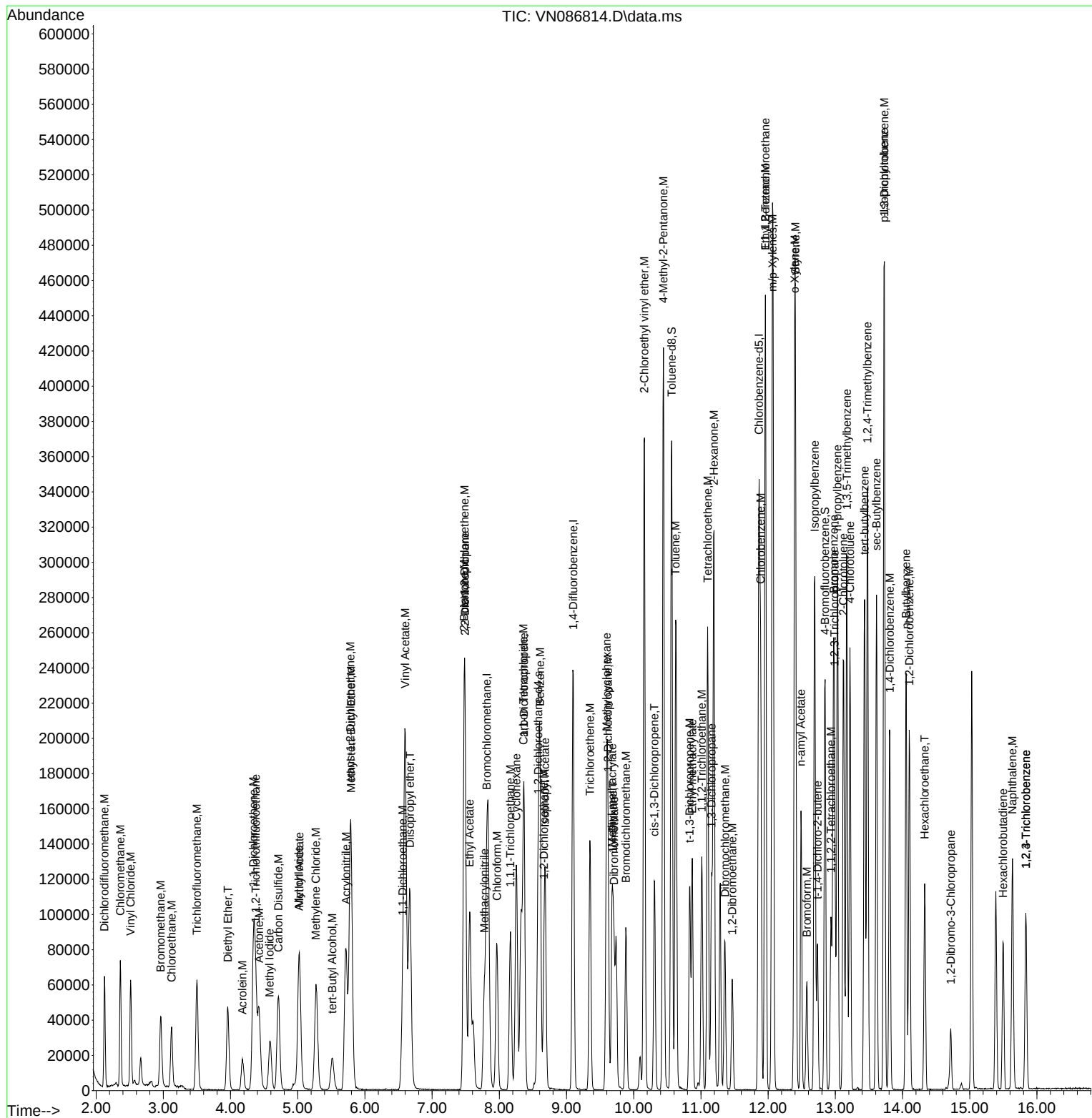
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052925\  
 Data File : VN086814.D  
 Acq On : 29 May 2025 14:28  
 Operator : JC\MD  
 Sample : VN0529WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

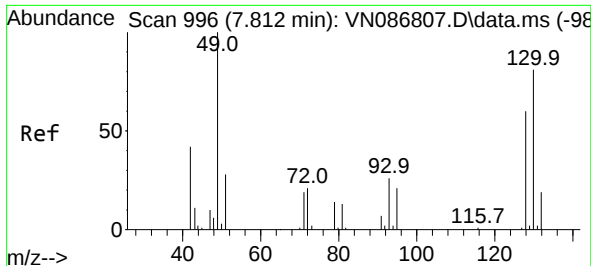
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0529WBSD01

### Manual Integrations APPROVED

Reviewed By : John Carlone 05/30/2025  
 Supervised By : Mahesh Dadoda 05/30/2025

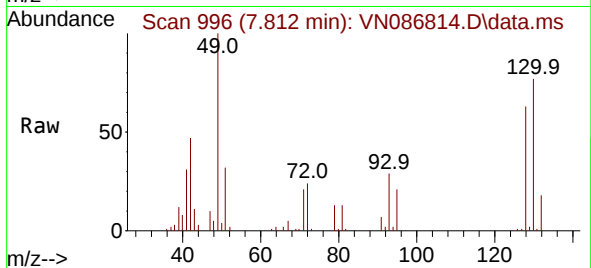
Quant Time: May 30 02:42:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N052925W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri May 30 02:22:52 2025  
 Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

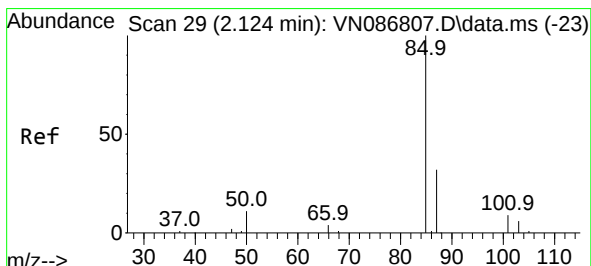
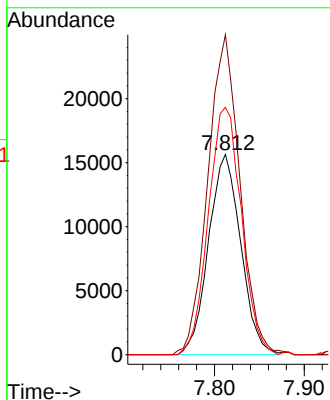
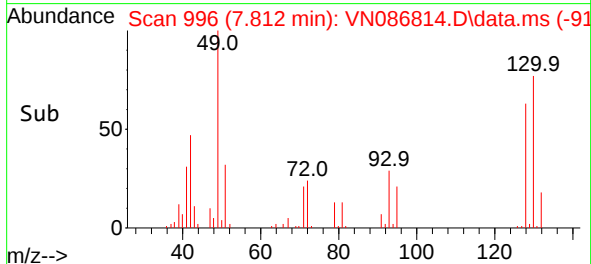
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion:128 Resp: 39012  
Ion Ratio Lower Upper  
128 100  
49 159.0 0.0 404.5  
130 126.9 0.0 322.2

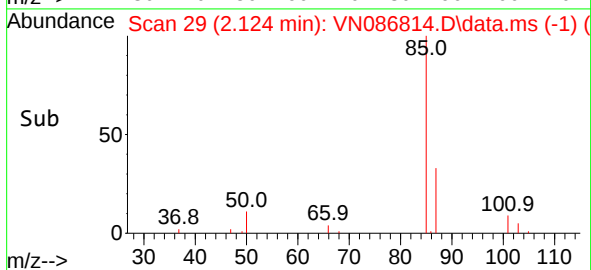
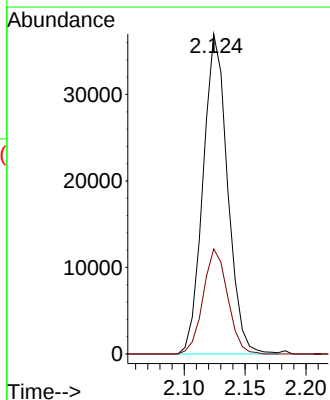
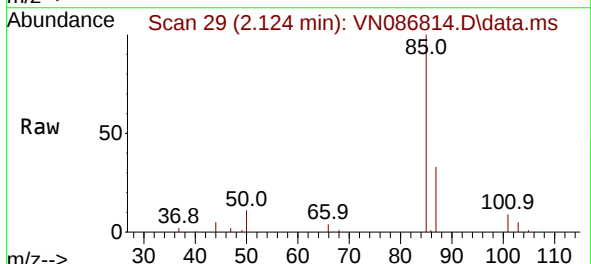
Manual Integrations  
APPROVED

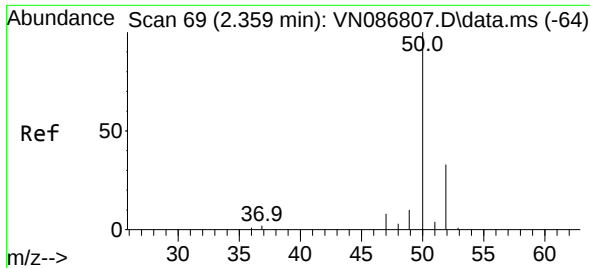
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#2  
Dichlorodifluoromethane  
Concen: 19.587 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion: 85 Resp: 51898  
Ion Ratio Lower Upper  
85 100  
87 32.9 15.9 47.7





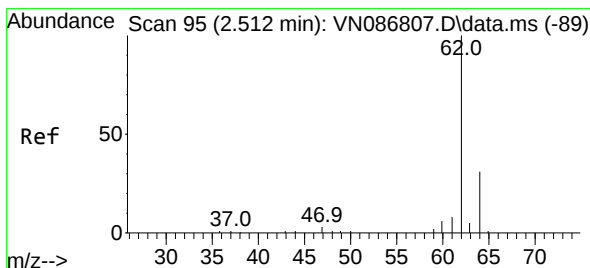
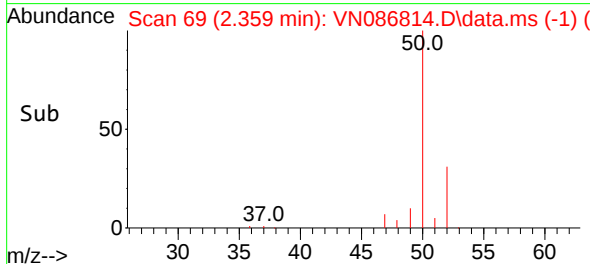
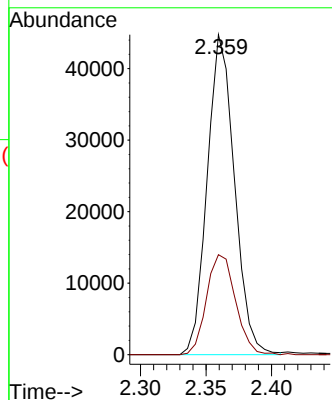
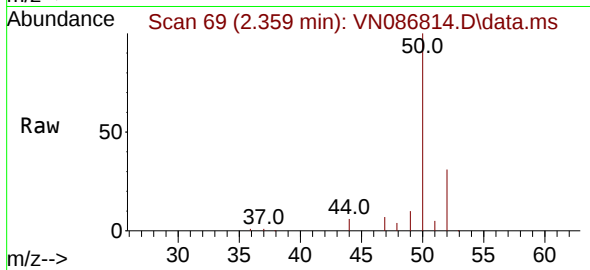
#3  
Chloromethane  
Concen: 18.947 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01

Tgt Ion: 50 Resp: 64729  
Ion Ratio Lower Upper  
50 100  
52 31.3 26.6 40.0

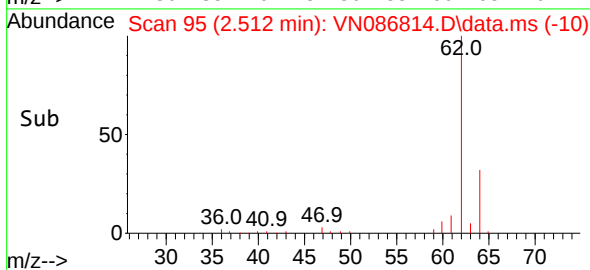
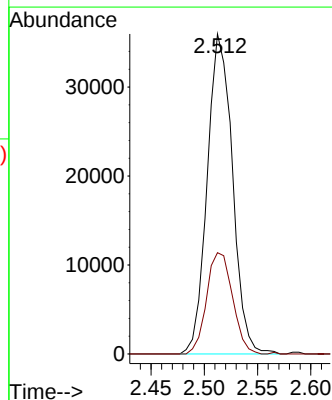
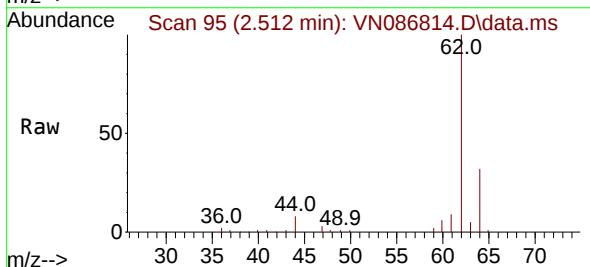
Manual Integrations  
APPROVED

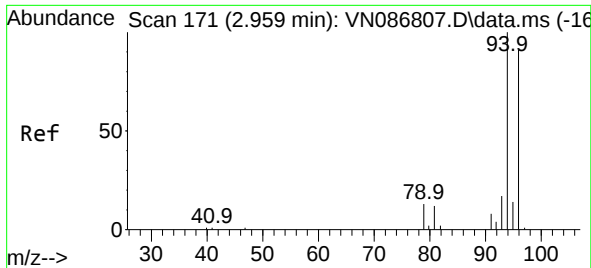
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#4  
Vinyl Chloride  
Concen: 18.826 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

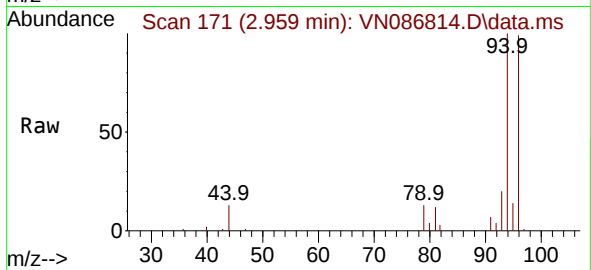
Tgt Ion: 62 Resp: 59186  
Ion Ratio Lower Upper  
62 100  
64 31.7 24.6 36.8





#5  
Bromomethane  
Concen: 19.012 ug/l  
RT: 2.959 min Scan# 171  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

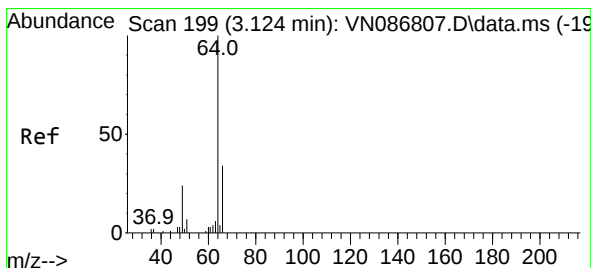
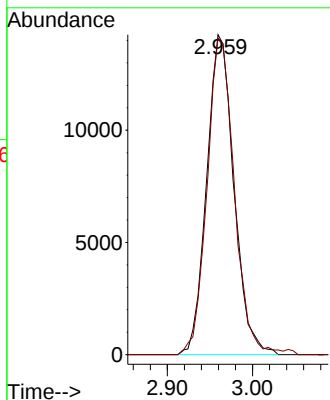
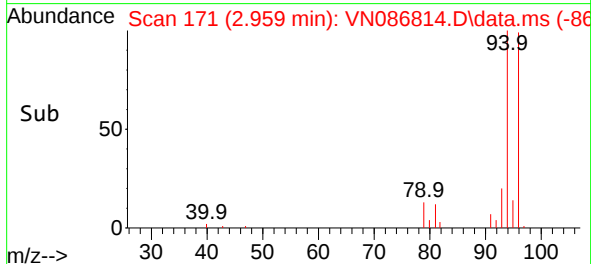
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



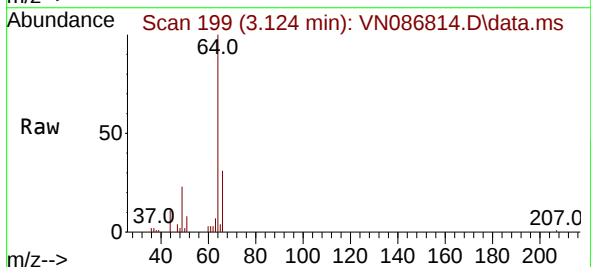
Tgt Ion: 94 Resp: 31670  
Ion Ratio Lower Upper  
94 100  
96 98.9 72.7 109.1

Manual Integrations  
APPROVED

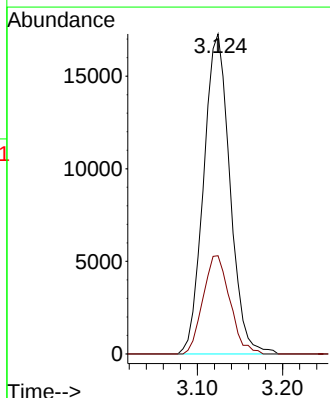
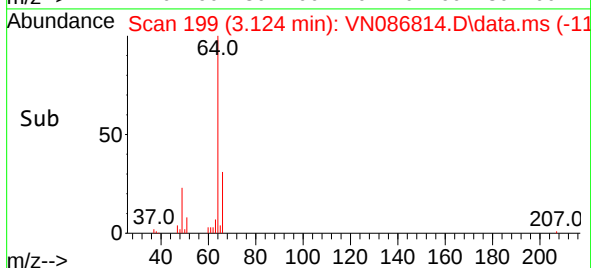
Reviewed By :John Carlone 05/30/2025  
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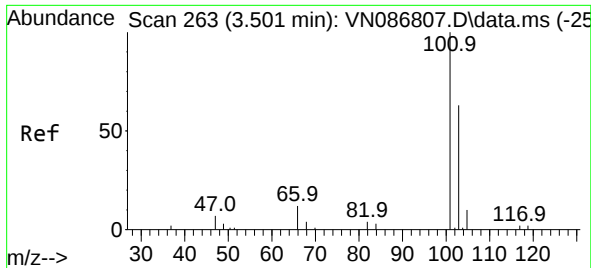


#6  
Chloroethane  
Concen: 19.320 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28



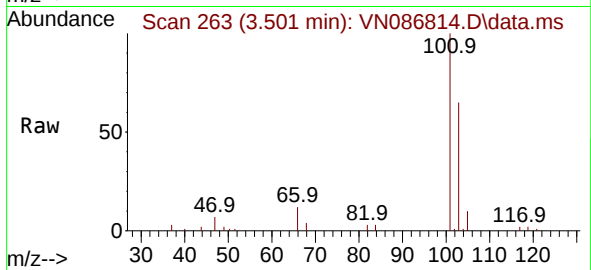
Tgt Ion: 64 Resp: 37151  
Ion Ratio Lower Upper  
64 100  
66 30.7 27.5 41.3





#7  
Trichlorofluoromethane  
Concen: 19.208 ug/l  
RT: 3.501 min Scan# 263  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

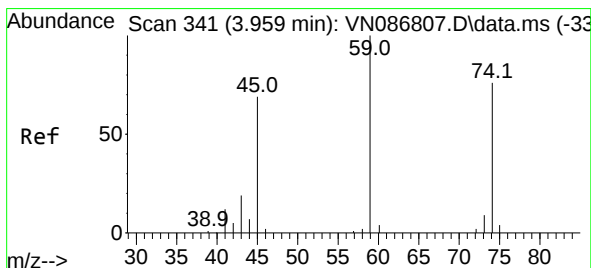
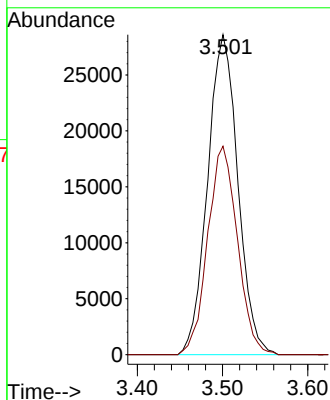
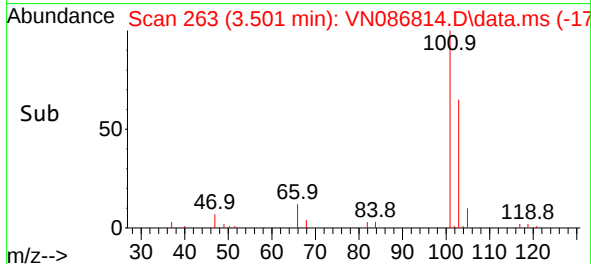
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion:101 Resp: 70720  
Ion Ratio Lower Upper  
101 100  
103 65.2 50.0 75.0

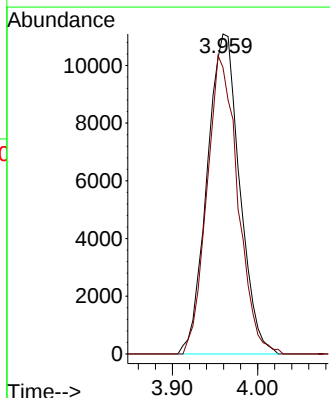
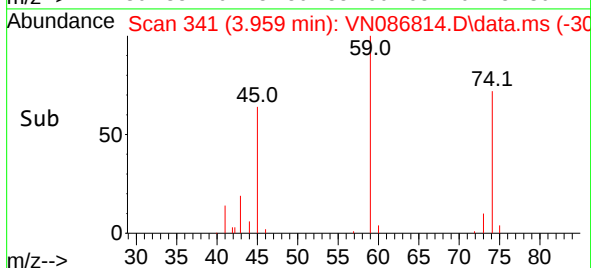
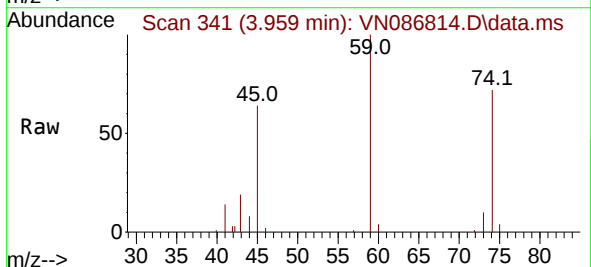
Manual Integrations  
APPROVED

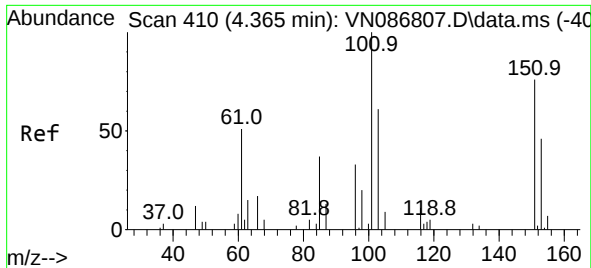
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#8  
Diethyl Ether  
Concen: 19.178 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion: 74 Resp: 29457  
Ion Ratio Lower Upper  
74 100  
45 88.4 17.9 161.5





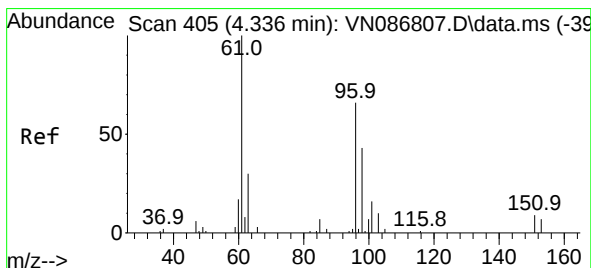
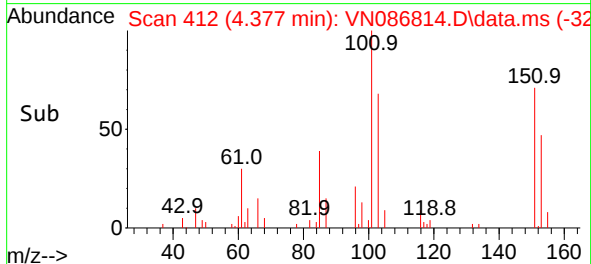
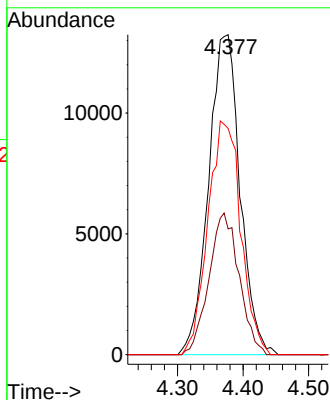
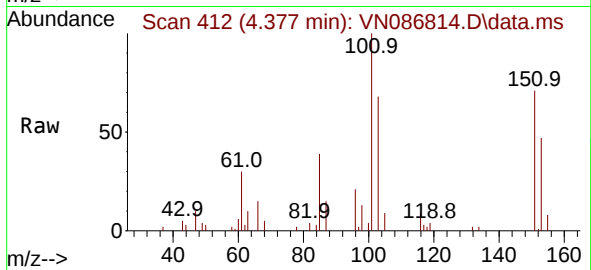
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.596 ug/l  
 RT: 4.377 min Scan# 411  
 Delta R.T. 0.012 min  
 Lab File: VN086814.D  
 Acq: 29 May 2025 14:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0529WBSD01

Tgt Ion:101 Resp: 4422  
 Ion Ratio Lower Upper  
 101 100  
 85 42.5 0.0 83.2  
 151 76.1 0.0 145.6

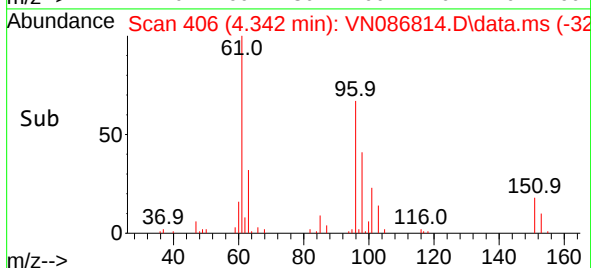
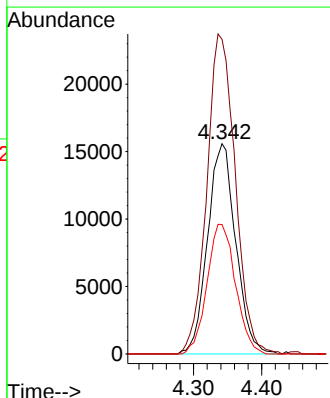
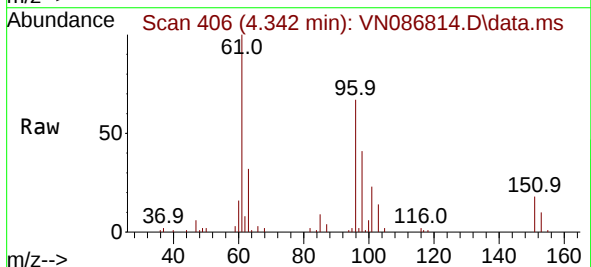
Manual Integrations  
 APPROVED

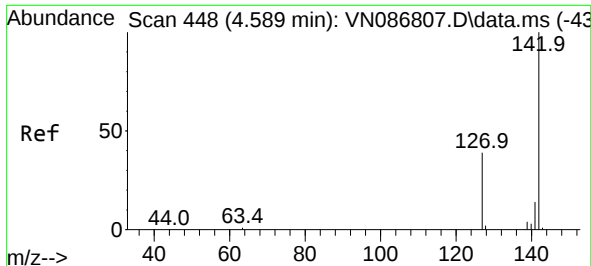
Reviewed By :John Carlone 05/30/2025  
 Supervised By :Mahesh Dadoda 05/30/2025



#10  
 1,1-Dichloroethene  
 Concen: 19.474 ug/l  
 RT: 4.342 min Scan# 406  
 Delta R.T. 0.006 min  
 Lab File: VN086814.D  
 Acq: 29 May 2025 14:28

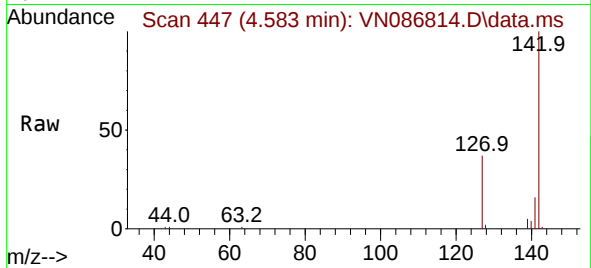
Tgt Ion: 96 Resp: 44803  
 Ion Ratio Lower Upper  
 96 100  
 61 149.6 121.7 182.5  
 98 61.6 51.9 77.9





#11  
Methyl Iodide  
Concen: 19.259 ug/l  
RT: 4.583 min Scan# 447  
Delta R.T. -0.006 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

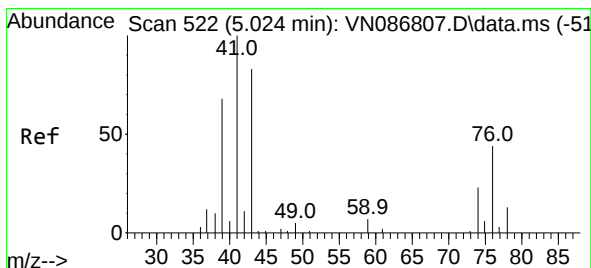
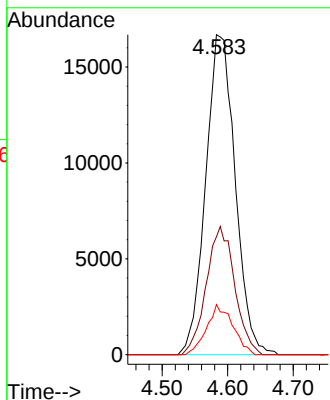
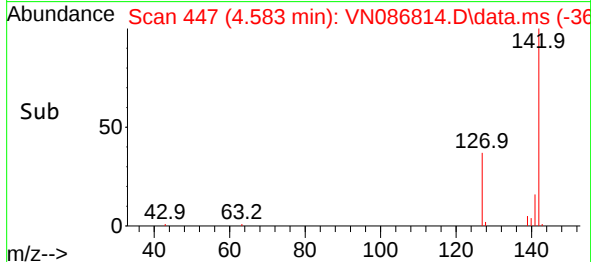
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion:142 Resp: 5223  
Ion Ratio Lower Upper  
142 100  
127 36.9 19.5 58.5  
141 15.7 7.1 21.4

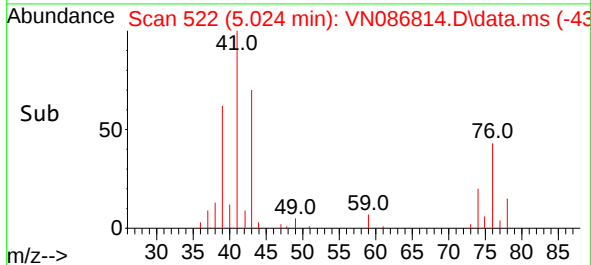
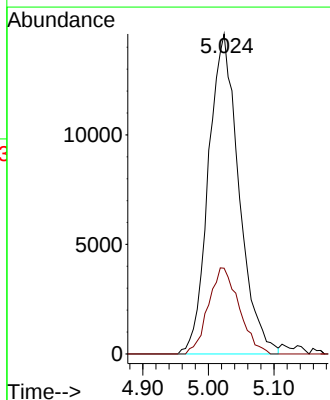
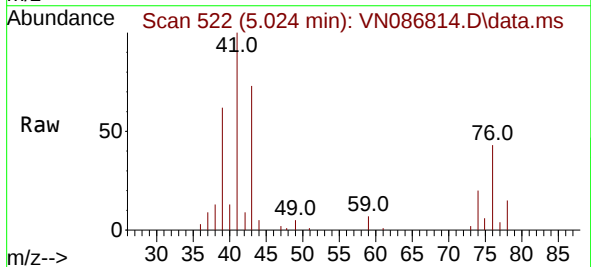
Manual Integrations  
APPROVED

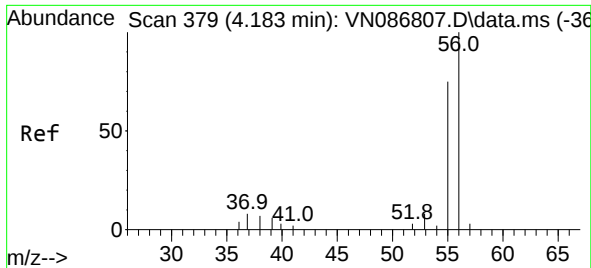
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#12  
Methyl Acetate  
Concen: 18.464 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion: 43 Resp: 47177  
Ion Ratio Lower Upper  
43 100  
74 27.1 22.7 34.1





#13

Acrolein

Concen: 89.233 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN086814.D

Acq: 29 May 2025 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0529WBSD01

Tgt Ion: 56 Resp: 2355

Ion Ratio Lower Upper

56 100

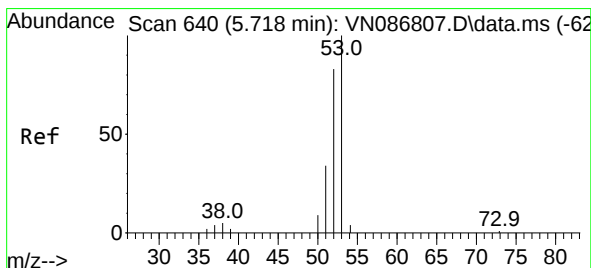
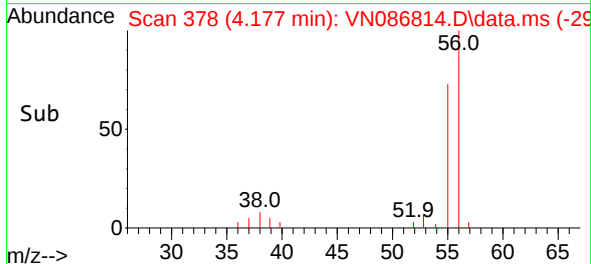
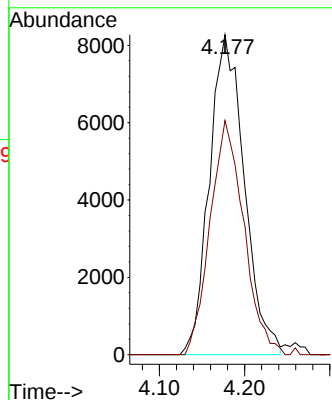
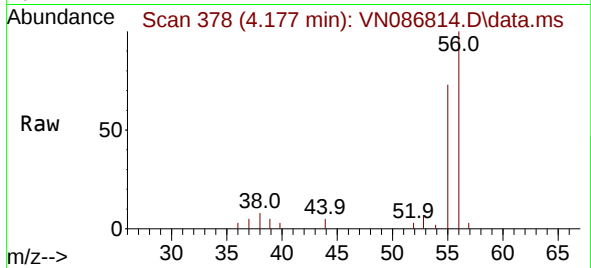
55 70.6 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#14

Acrylonitrile

Concen: 94.881 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.000 min

Lab File: VN086814.D

Acq: 29 May 2025 14:28

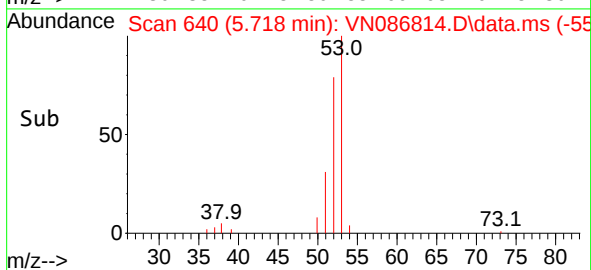
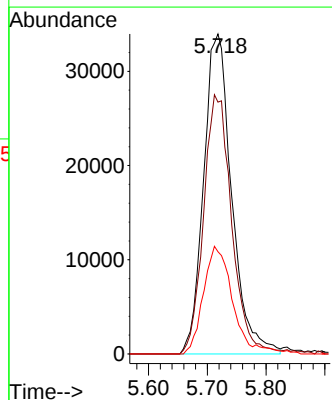
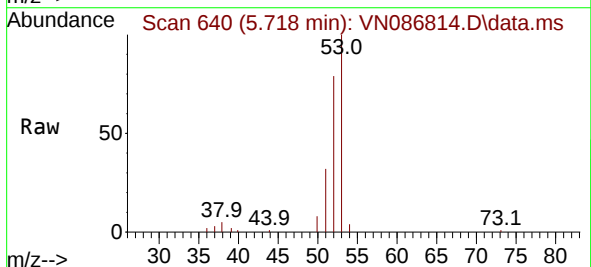
Tgt Ion: 53 Resp: 112813

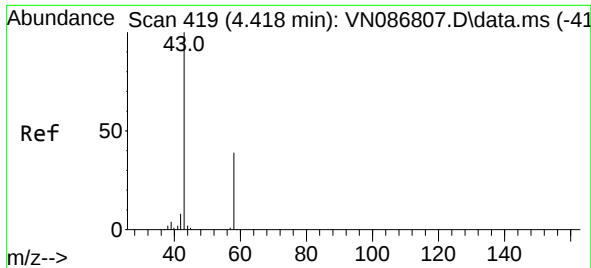
Ion Ratio Lower Upper

53 100

52 80.9 40.0 119.9

51 33.3 17.5 52.6





#15

Acetone

Concen: 97.218 ug/l

RT: 4.424 min Scan# 419

Delta R.T. 0.006 min

Lab File: VN086814.D

Acq: 29 May 2025 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0529WBSD01

Tgt Ion: 58 Resp: 2926

Ion Ratio Lower Upper

58 100

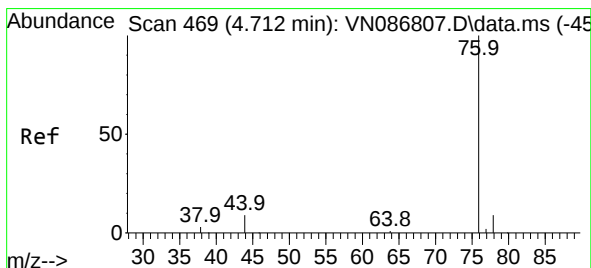
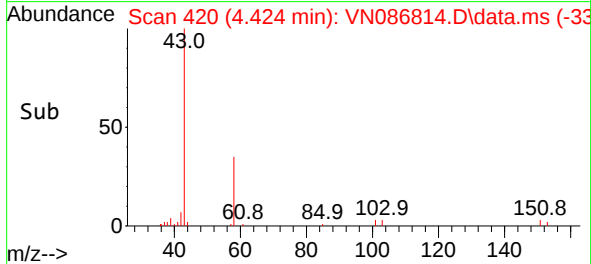
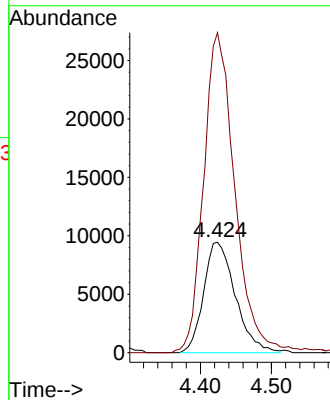
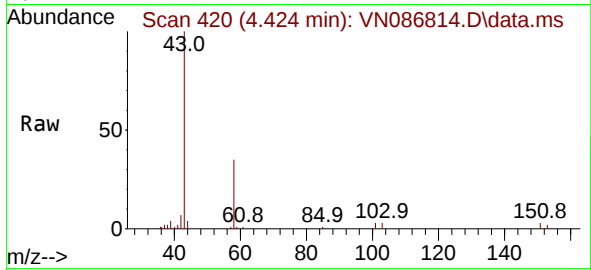
43 286.5 207.7 311.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#16

Carbon Disulfide

Concen: 19.133 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086814.D

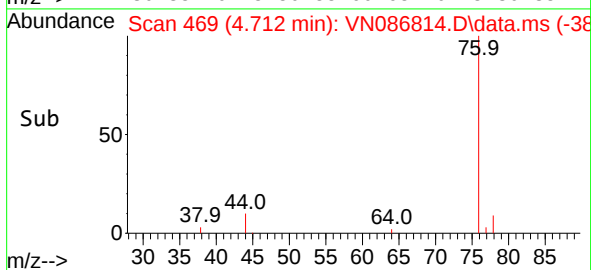
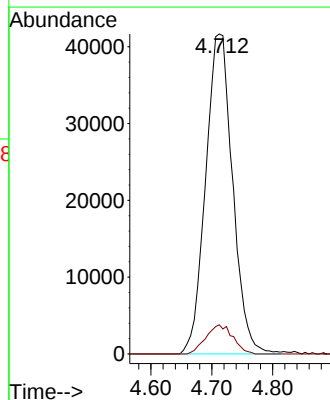
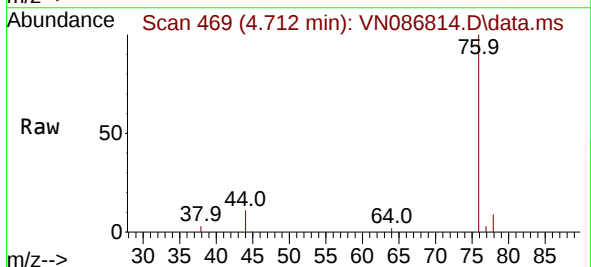
Acq: 29 May 2025 14:28

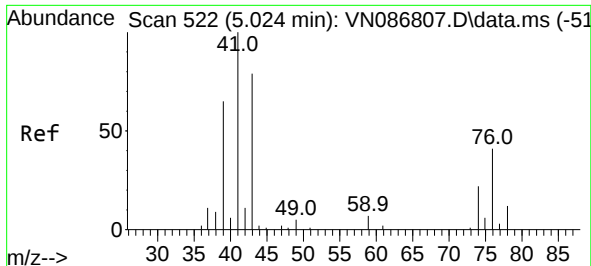
Tgt Ion: 76 Resp: 128495

Ion Ratio Lower Upper

76 100

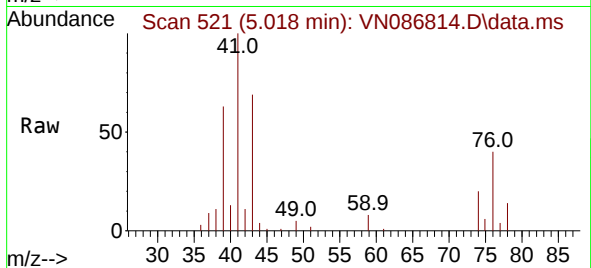
78 9.1 7.2 10.8





#17  
 Allyl chloride  
 Concen: 19.636 ug/l  
 RT: 5.018 min Scan# 511  
 Delta R.T. -0.006 min  
 Lab File: VN086814.D  
 Acq: 29 May 2025 14:28

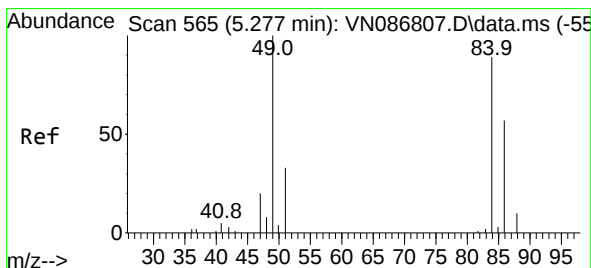
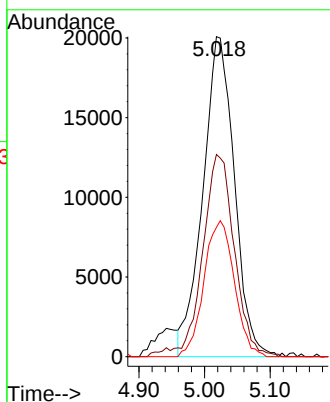
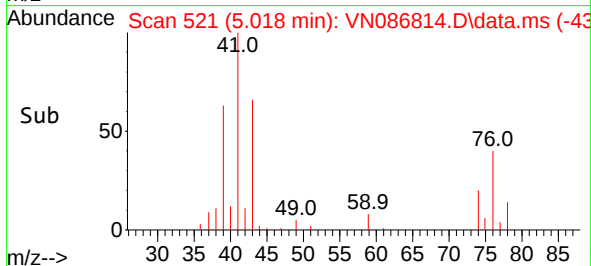
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0529WBSD01



Tgt Ion: 41 Resp: 6711  
 Ion Ratio Lower Upper  
 41 100  
 39 62.4 31.6 94.8  
 76 40.4 20.1 60.2

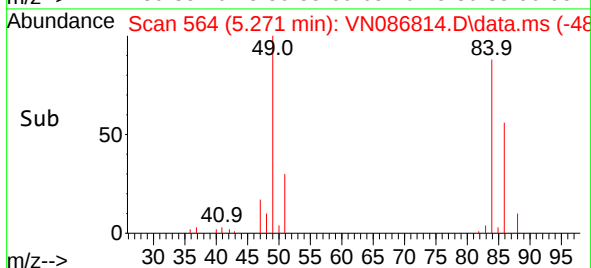
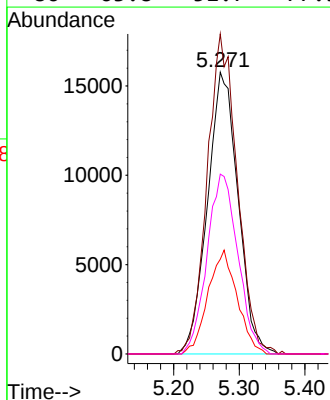
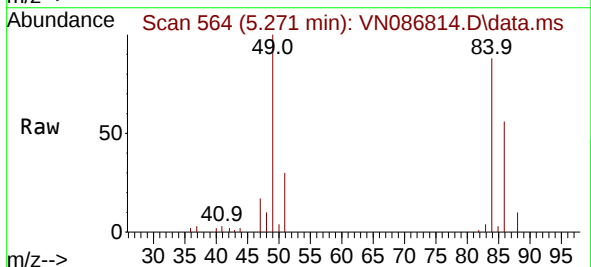
Manual Integrations  
 APPROVED

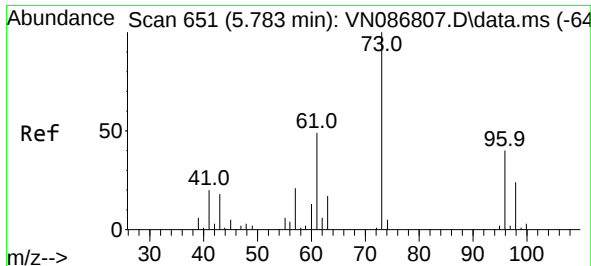
Reviewed By :John Carlone 05/30/2025  
 Supervised By :Mahesh Dadoda 05/30/2025



#18  
 Methylene Chloride  
 Concen: 19.126 ug/l  
 RT: 5.271 min Scan# 564  
 Delta R.T. -0.006 min  
 Lab File: VN086814.D  
 Acq: 29 May 2025 14:28

Tgt Ion: 84 Resp: 51101  
 Ion Ratio Lower Upper  
 84 100  
 49 113.5 89.9 134.9  
 51 33.6 29.6 44.4  
 86 63.8 51.7 77.5





#19

trans-1,2-Dichloroethene

Concen: 19.631 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN086814.D

Acq: 29 May 2025 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0529WBSD01

Tgt Ion: 96 Resp: 47264

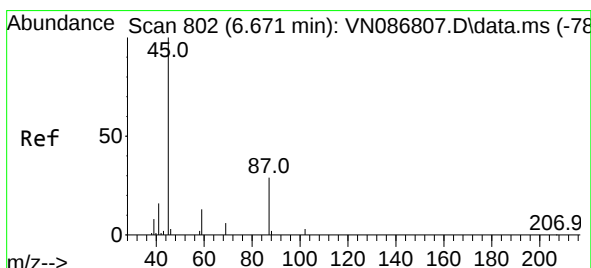
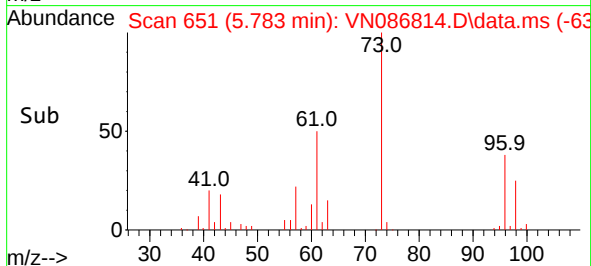
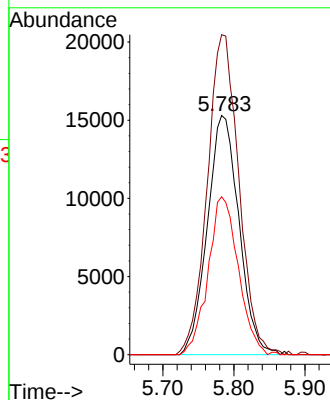
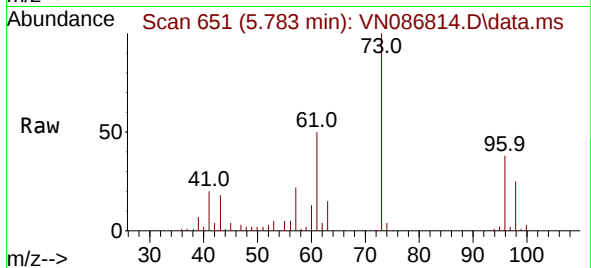
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.4 | 98.9  | 148.3 |
| 98  | 66.0  | 49.0  | 73.4  |

Manual Integrations

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Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#20

Diisopropyl ether

Concen: 19.933 ug/l

RT: 6.671 min Scan# 802

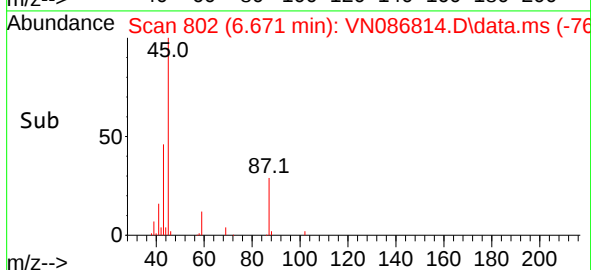
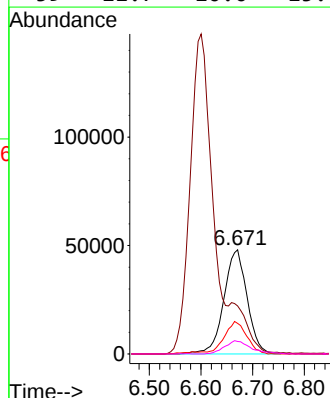
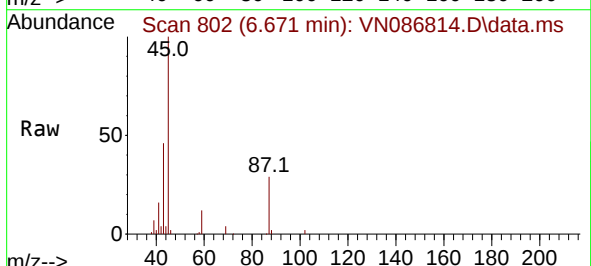
Delta R.T. 0.000 min

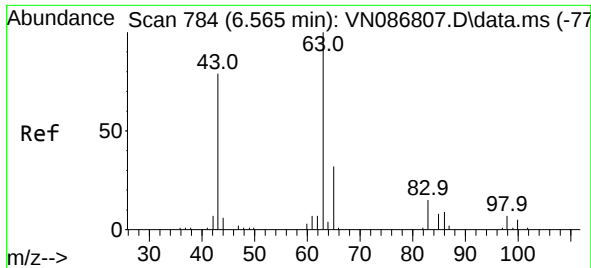
Lab File: VN086814.D

Acq: 29 May 2025 14:28

Tgt Ion: 45 Resp: 150046

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 45.0  | 40.3  | 60.5  |
| 87  | 29.4  | 24.1  | 36.1  |
| 59  | 11.7  | 10.0  | 15.0  |





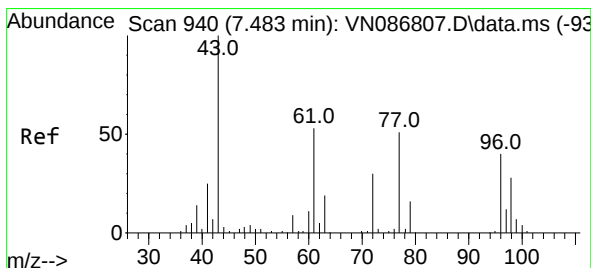
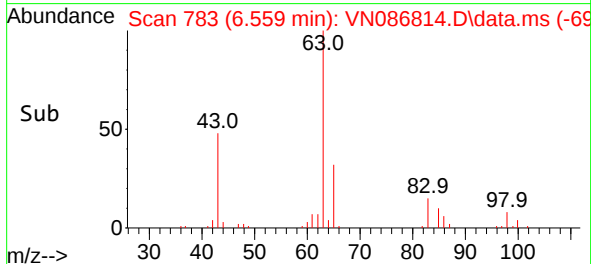
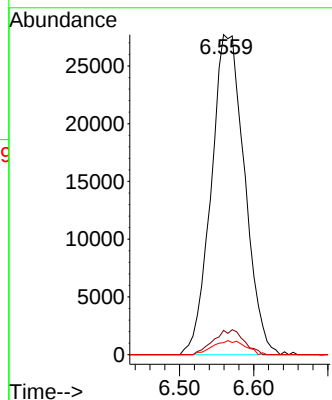
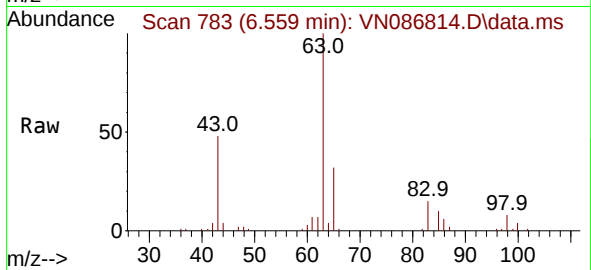
#21  
1,1-Dichloroethane  
Concen: 19.067 ug/l  
RT: 6.559 min Scan# 783  
Delta R.T. -0.006 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01

Tgt Ion: 63 Resp: 8661  
Ion Ratio Lower Upper  
63 100  
98 7.6 3.8 11.2  
100 3.8 2.3 6.8

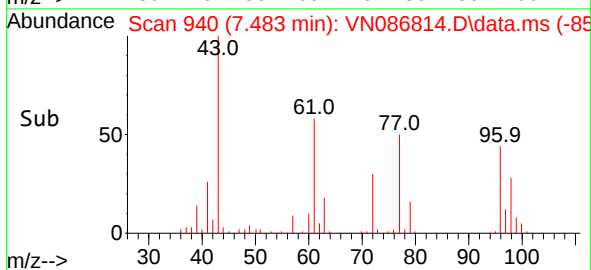
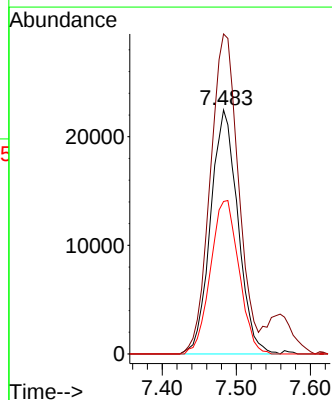
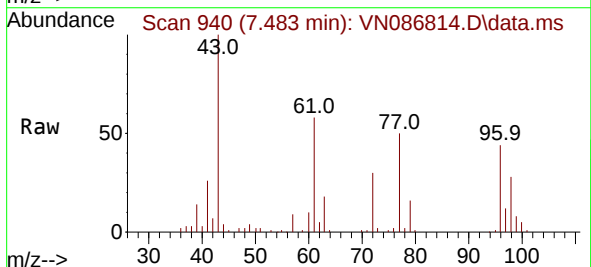
Manual Integrations  
APPROVED

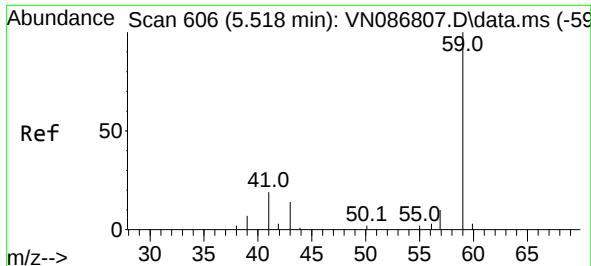
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#22  
cis-1,2-Dichloroethene  
Concen: 19.733 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

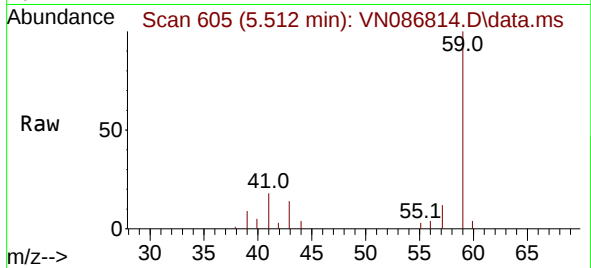
Tgt Ion: 96 Resp: 57534  
Ion Ratio Lower Upper  
96 100  
61 135.4 110.7 166.1  
98 65.6 51.8 77.8





#23  
tert-Butyl Alcohol  
Concen: 97.970 ug/l  
RT: 5.512 min Scan# 606  
Delta R.T. -0.006 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

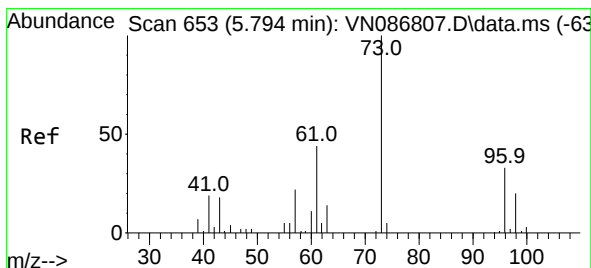
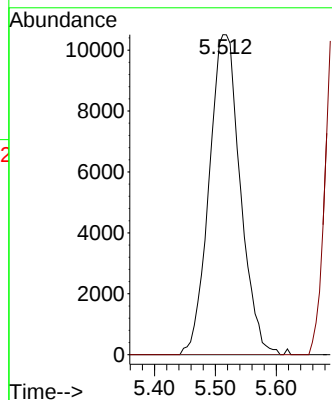
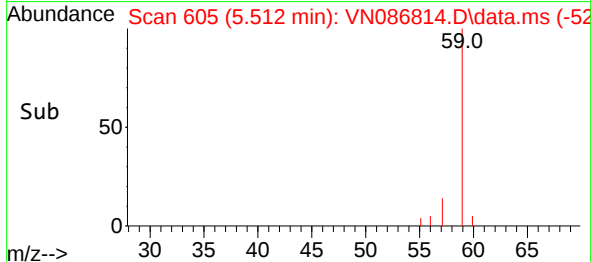
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion: 59 Resp: 3740  
Ion Ratio Lower Upper  
59 100  
52 244.0 0.0 0.0

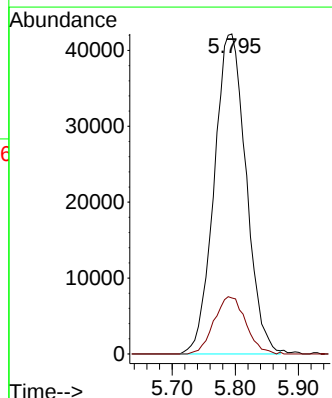
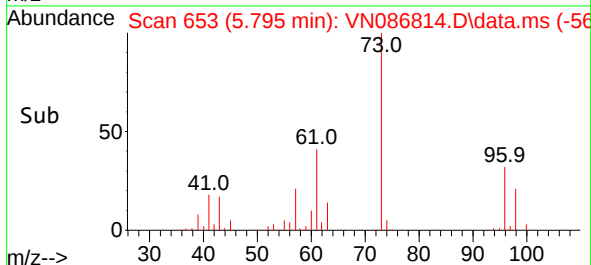
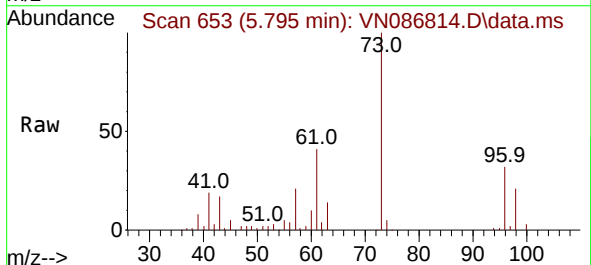
Manual Integrations  
APPROVED

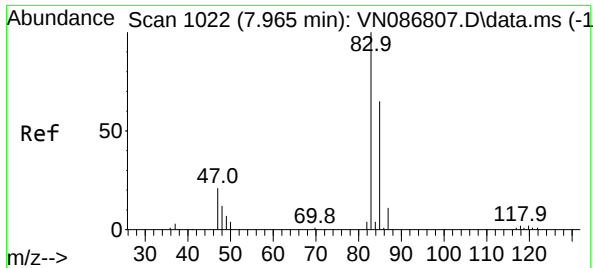
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#24  
Methyl tert-Butyl Ether  
Concen: 19.488 ug/l  
RT: 5.795 min Scan# 653  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion: 73 Resp: 147763  
Ion Ratio Lower Upper  
73 100  
43 17.7 14.6 22.0





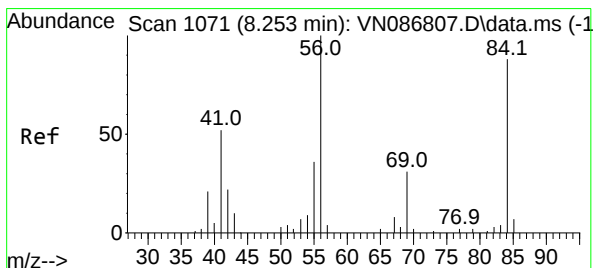
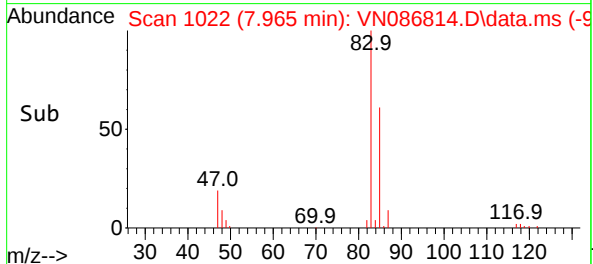
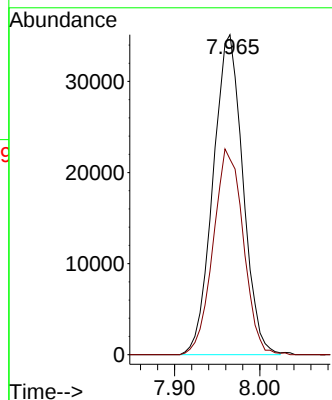
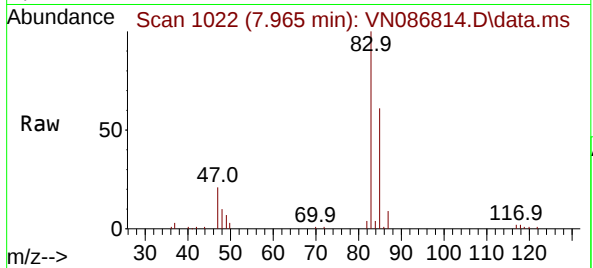
#25  
Chloroform  
Concen: 19.241 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01

Tgt Ion: 83 Resp: 8555  
Ion Ratio Lower Upper  
83 100  
85 61.1 51.8 77.8

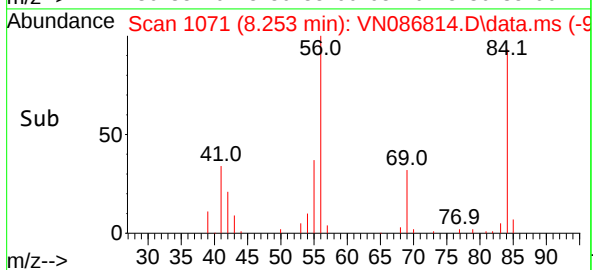
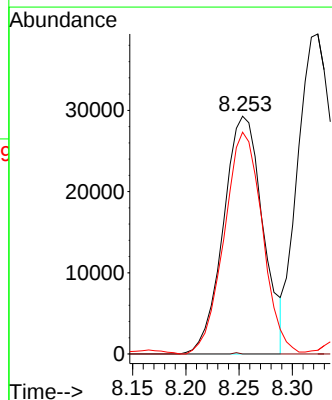
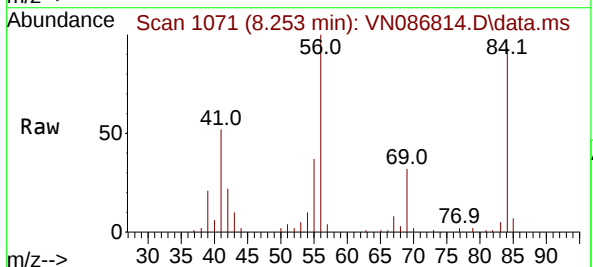
Manual Integrations  
APPROVED

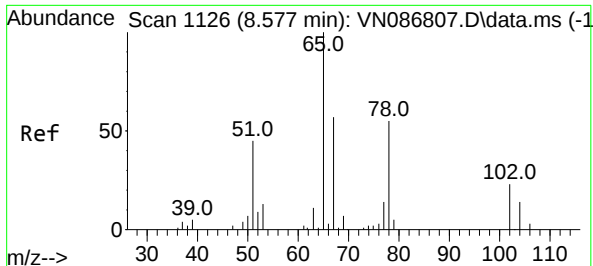
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#26  
Cyclohexane  
Concen: 19.220 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion: 56 Resp: 75568  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 90.0 70.4 105.6





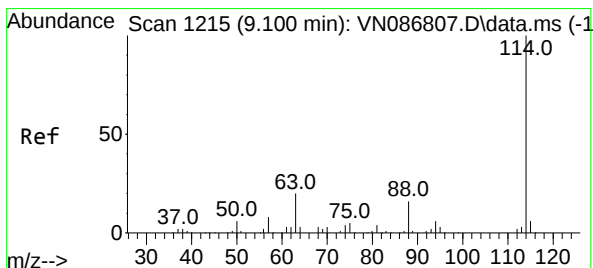
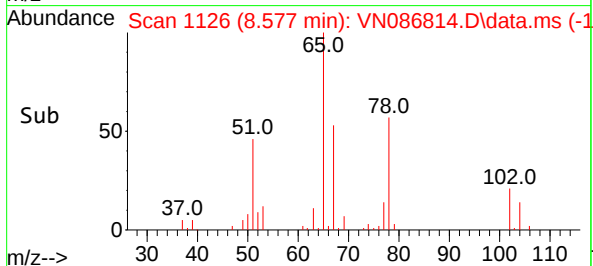
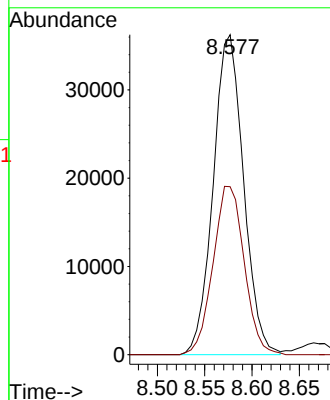
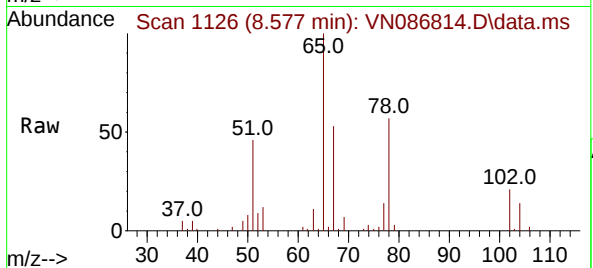
#27  
1,2-Dichloroethane-d4  
Concen: 30.136 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01

Tgt Ion: 65 Resp: 8077  
Ion Ratio Lower Upper  
65 100  
67 54.1 44.6 67.0

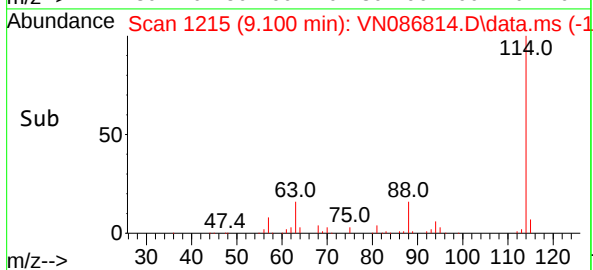
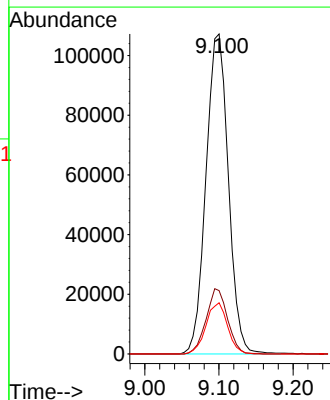
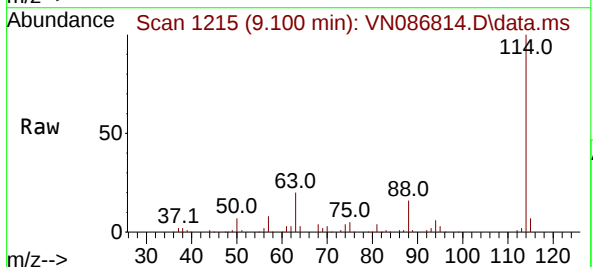
Manual Integrations  
APPROVED

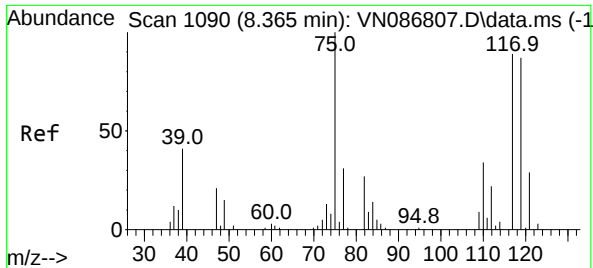
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion:114 Resp: 225024  
Ion Ratio Lower Upper  
114 100  
63 19.4 15.8 23.8  
88 15.4 12.9 19.3





#29

1,1-Dichloropropene

Concen: 19.200 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN086814.D

Acq: 29 May 2025 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0529WBSD01

Tgt Ion: 75 Resp: 6352

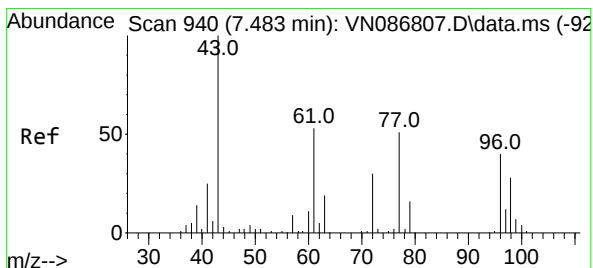
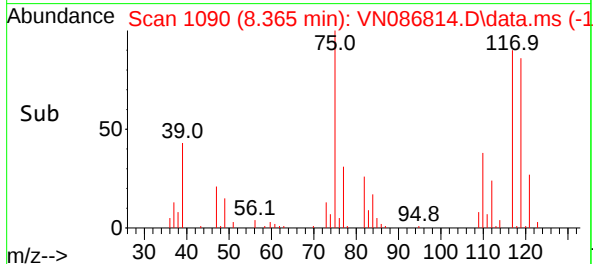
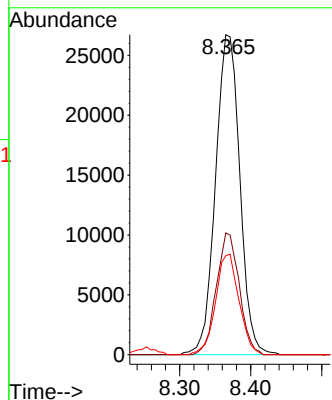
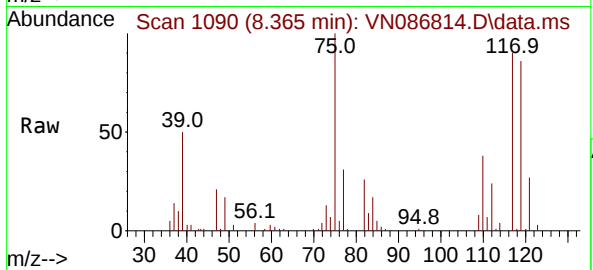
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 35.9  | 0.0   | 71.0  |
| 77  | 30.2  | 0.0   | 62.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#30

2-Butanone

Concen: 94.235 ug/l

RT: 7.477 min Scan# 939

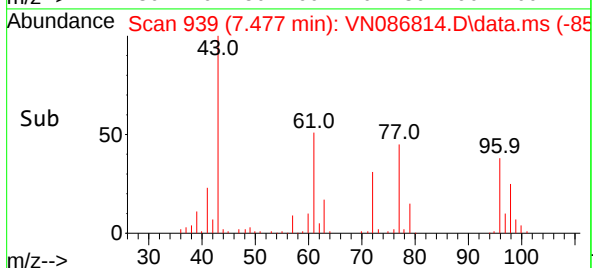
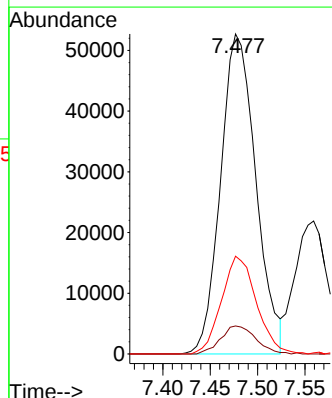
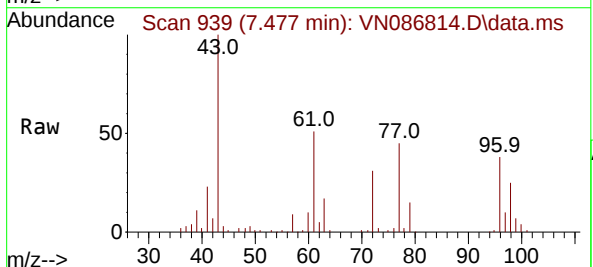
Delta R.T. -0.006 min

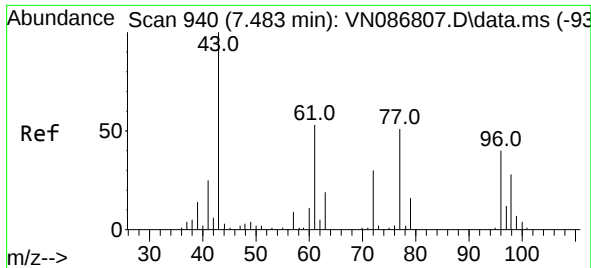
Lab File: VN086814.D

Acq: 29 May 2025 14:28

Tgt Ion: 43 Resp: 136606

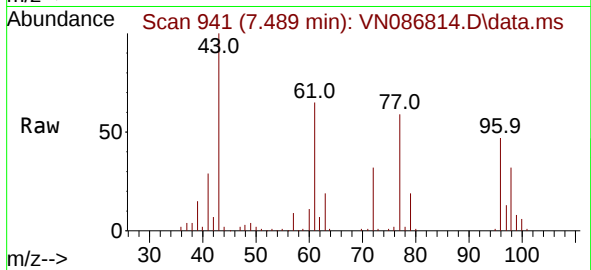
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 57  | 8.7   | 6.8   | 10.2  |
| 72  | 30.2  | 23.4  | 35.0  |





#31  
2,2-Dichloropropane  
Concen: 19.202 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

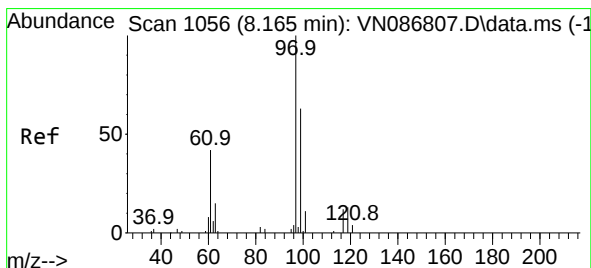
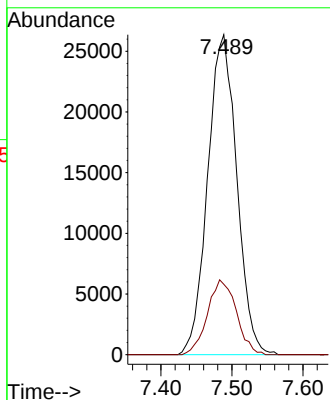
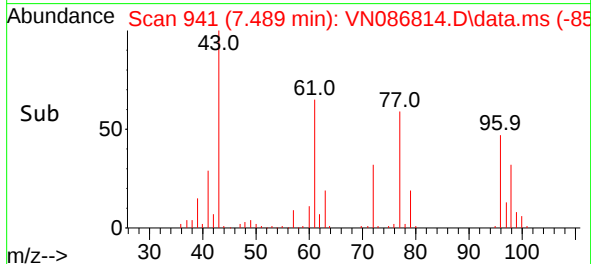
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



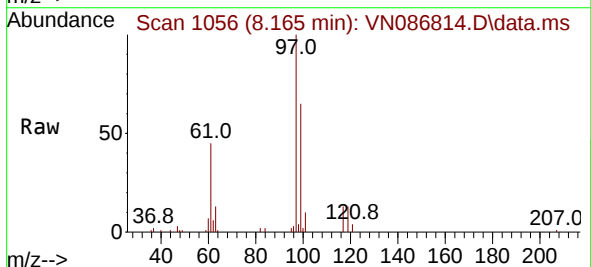
Tgt Ion: 77 Resp: 74990  
Ion Ratio Lower Upper  
77 100  
97 23.2 18.6 27.8

Manual Integrations  
APPROVED

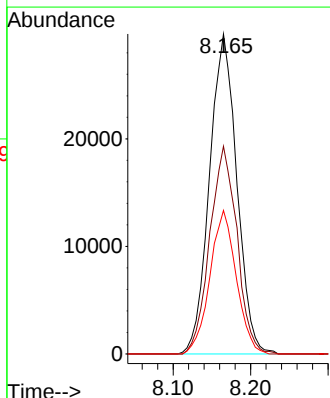
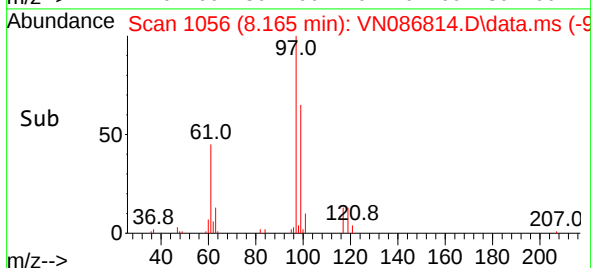
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025

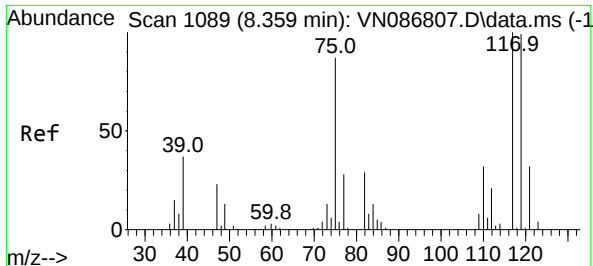


#32  
1,1,1-Trichloroethane  
Concen: 19.043 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28



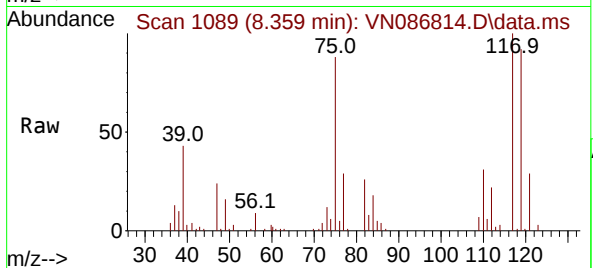
Tgt Ion: 97 Resp: 73036  
Ion Ratio Lower Upper  
97 100  
99 64.6 51.7 77.5  
61 43.3 35.4 53.2





#33  
Carbon Tetrachloride  
Concen: 19.053 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

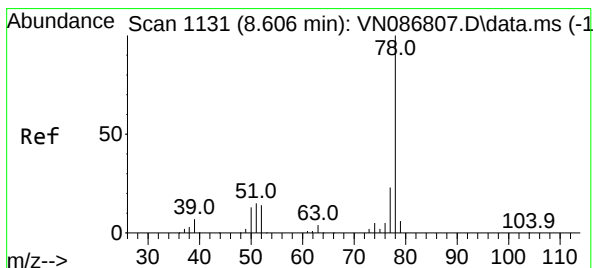
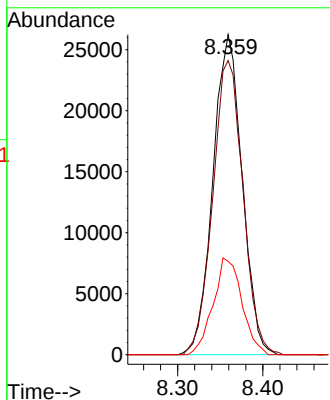
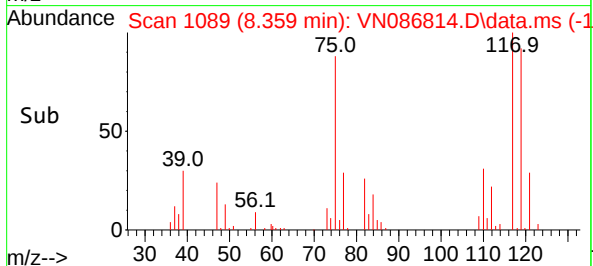
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion:117 Resp: 62464  
Ion Ratio Lower Upper  
117 100  
119 91.9 79.2 118.8  
121 29.2 25.6 38.4

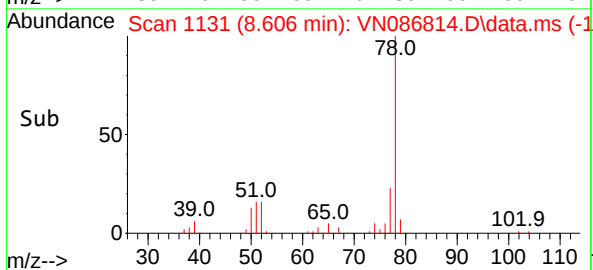
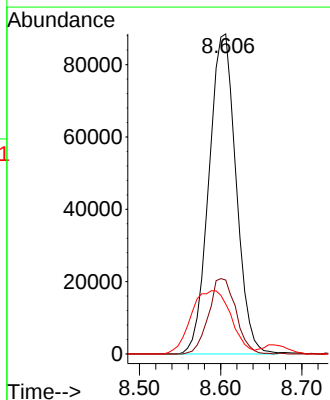
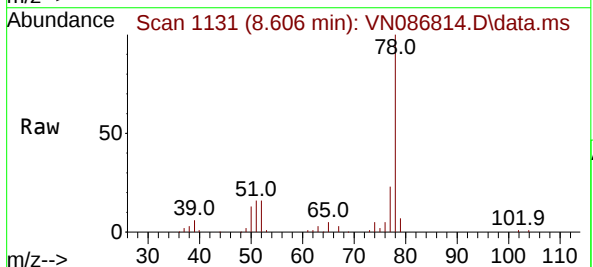
Manual Integrations  
APPROVED

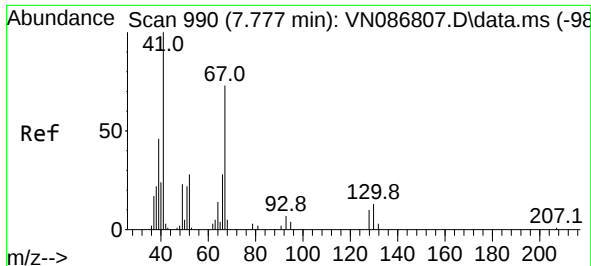
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#34  
Benzene  
Concen: 19.085 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

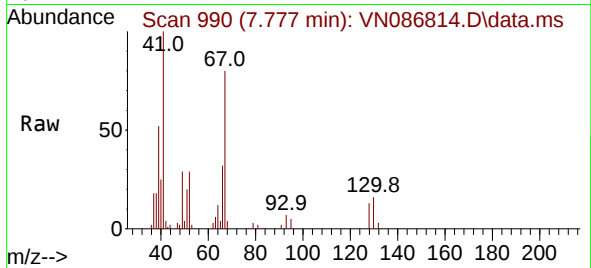
Tgt Ion: 78 Resp: 205447  
Ion Ratio Lower Upper  
78 100  
77 23.1 18.2 27.2  
51 13.1 11.9 17.9





#35  
Methacrylonitrile  
Concen: 18.648 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

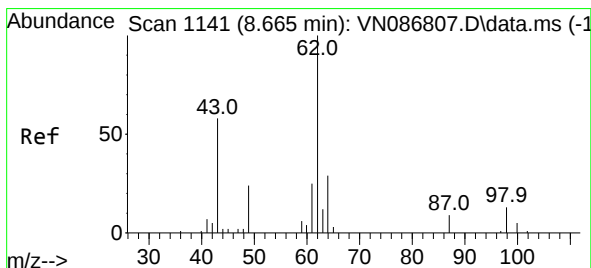
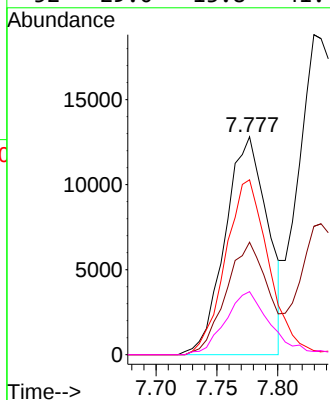
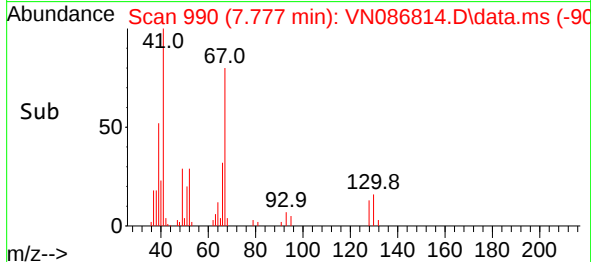
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion: 41 Resp: 3105  
Ion Ratio Lower Upper  
41 100  
39 51.6 23.2 69.6  
67 80.2 36.5 109.7  
52 29.0 13.8 41.4

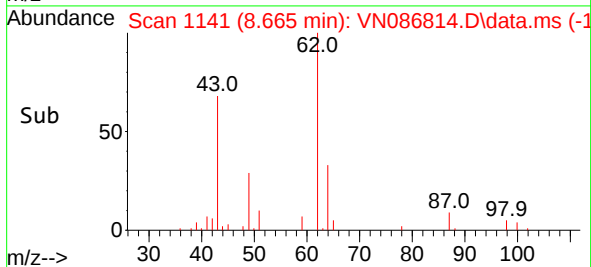
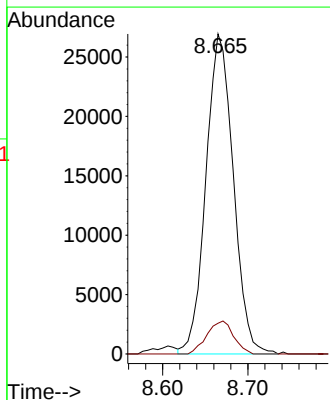
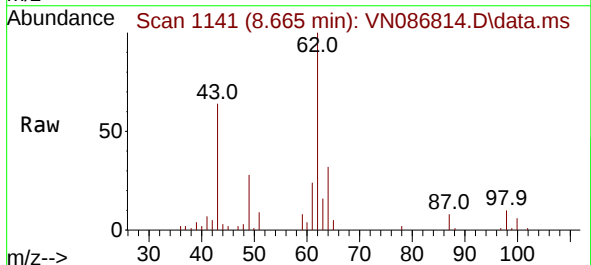
Manual Integrations  
APPROVED

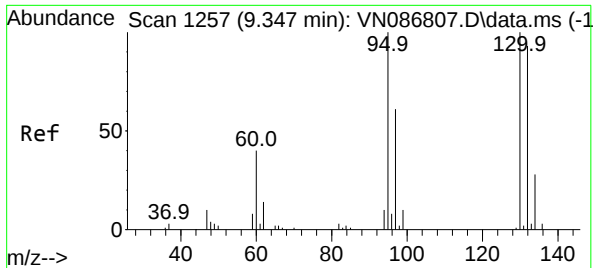
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#36  
1,2-Dichloroethane  
Concen: 19.099 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

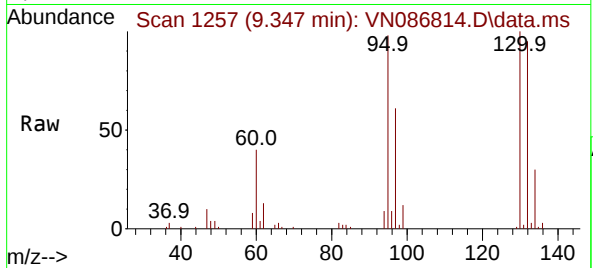
Tgt Ion: 62 Resp: 60249  
Ion Ratio Lower Upper  
62 100  
98 10.0 8.5 12.7





#37  
Trichloroethene  
Concen: 18.106 ug/l  
RT: 9.347 min Scan# 1257  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

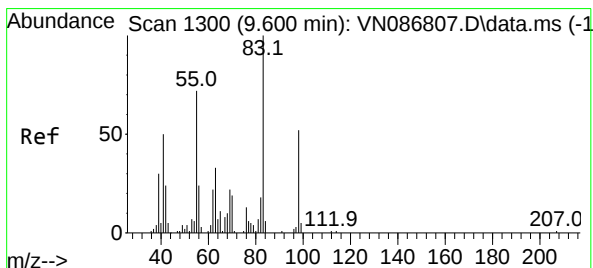
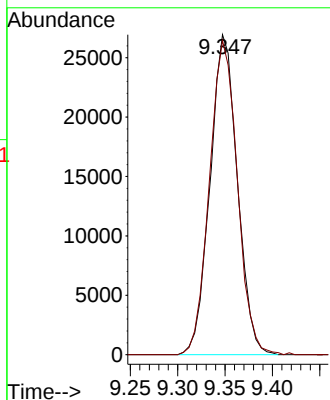
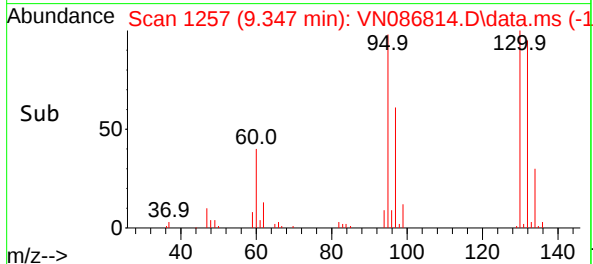
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



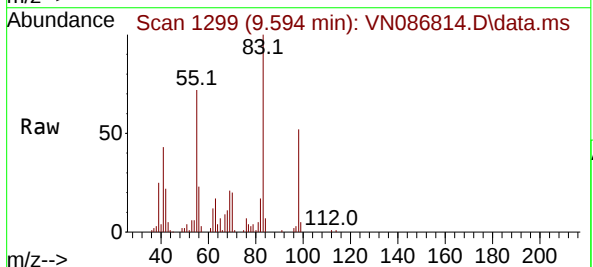
Tgt Ion:130 Resp: 5406  
Ion Ratio Lower Upper  
130 100  
95 98.2 80.3 120.5

Manual Integrations  
APPROVED

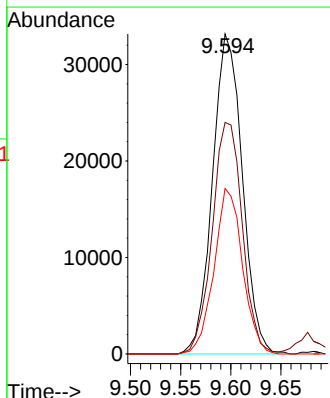
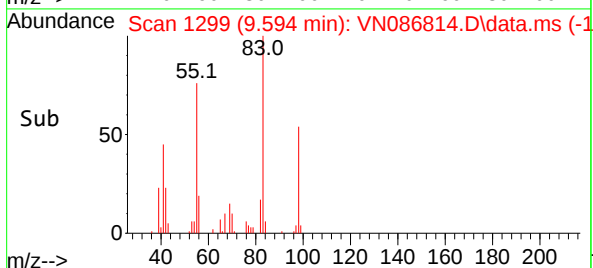
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025

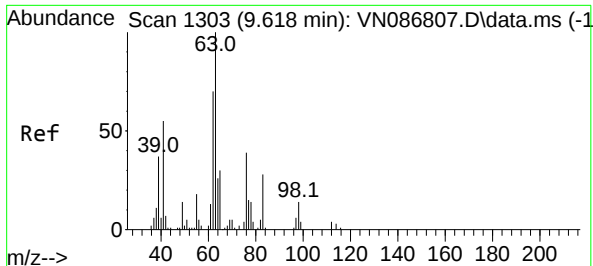


#38  
Methylcyclohexane  
Concen: 18.675 ug/l  
RT: 9.594 min Scan# 1299  
Delta R.T. -0.006 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28



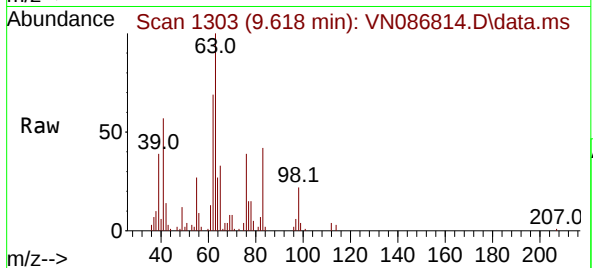
Tgt Ion: 83 Resp: 68555  
Ion Ratio Lower Upper  
83 100  
55 73.0 37.4 112.1  
98 49.5 24.6 73.6





#39  
1,2-Dichloropropane  
Concen: 18.658 ug/l  
RT: 9.618 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

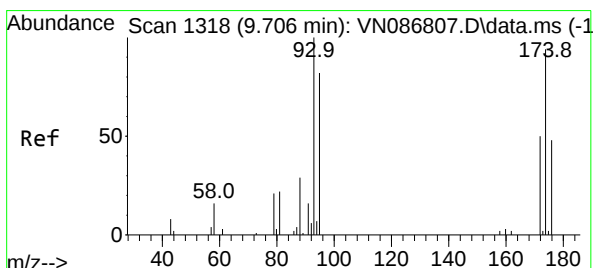
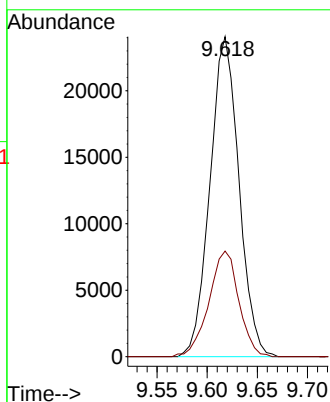
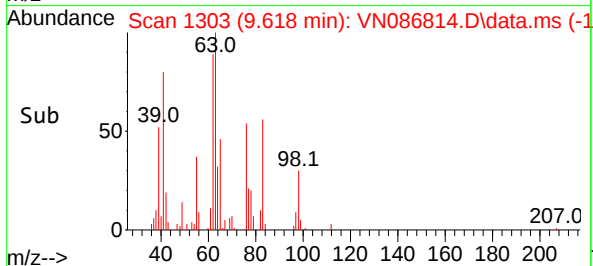
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion: 63 Resp: 4835  
Ion Ratio Lower Upper  
63 100  
65 33.0 24.2 36.4

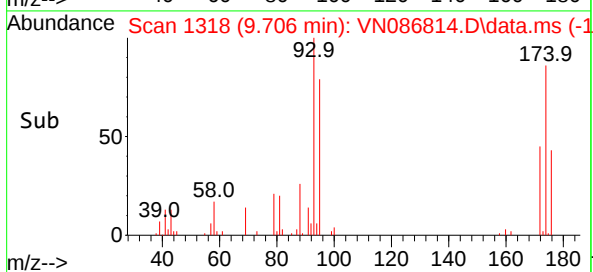
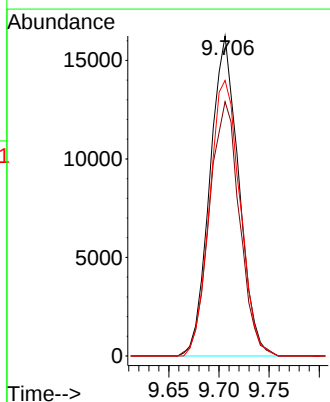
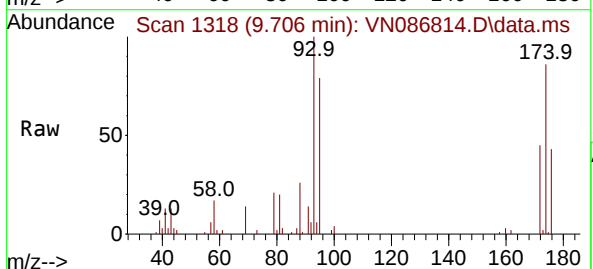
Manual Integrations  
APPROVED

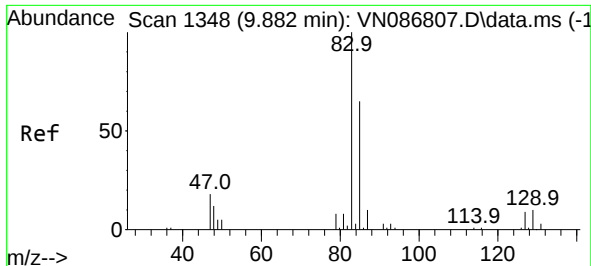
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#40  
Dibromomethane  
Concen: 19.110 ug/l  
RT: 9.706 min Scan# 1318  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion: 93 Resp: 32392  
Ion Ratio Lower Upper  
93 100  
95 83.0 0.0 166.4  
174 90.9 0.0 181.8





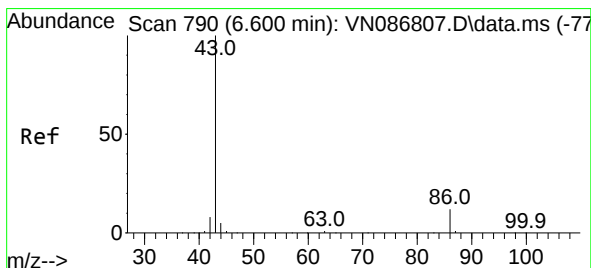
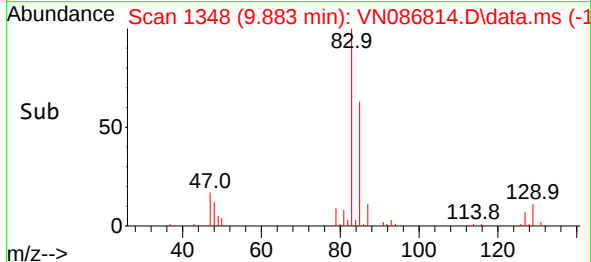
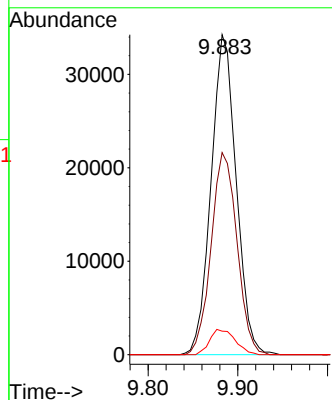
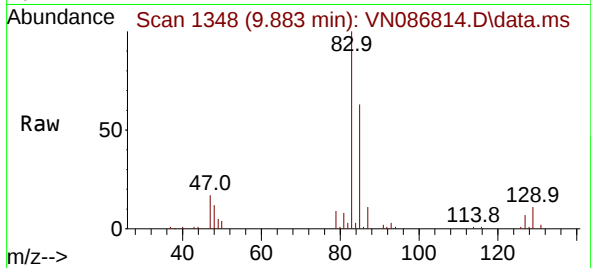
#41  
Bromodichloromethane  
Concen: 18.748 ug/l  
RT: 9.883 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01

Tgt Ion: 83 Resp: 6652  
Ion Ratio Lower Upper  
83 100  
85 63.1 51.8 77.8  
127 7.4 6.8 10.2

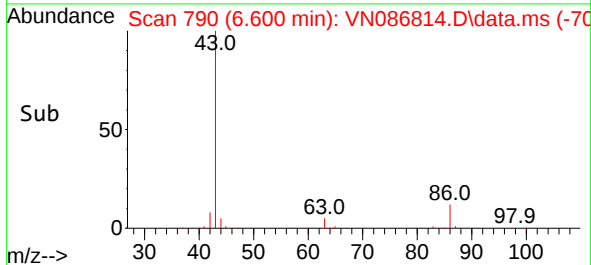
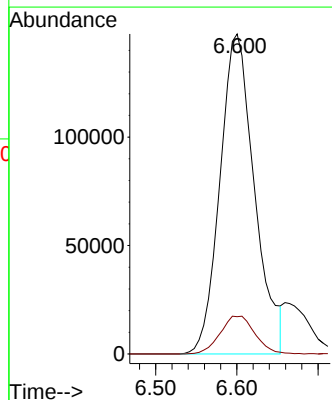
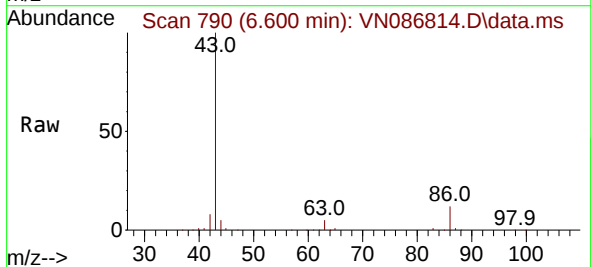
Manual Integrations  
APPROVED

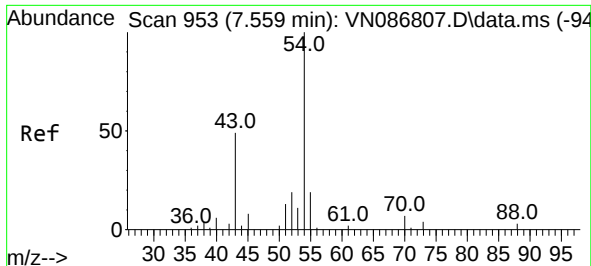
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#42  
Vinyl Acetate  
Concen: 103.372 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

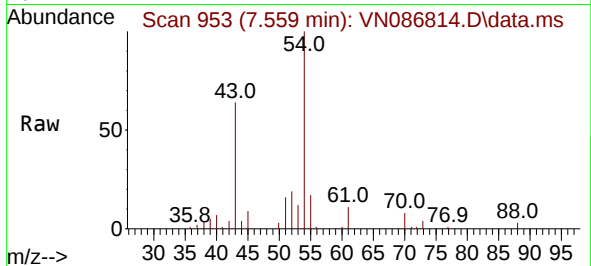
Tgt Ion: 43 Resp: 436800  
Ion Ratio Lower Upper  
43 100  
86 11.9 9.5 14.3





#43  
Ethyl Acetate  
Concen: 18.697 ug/l m  
RT: 7.559 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

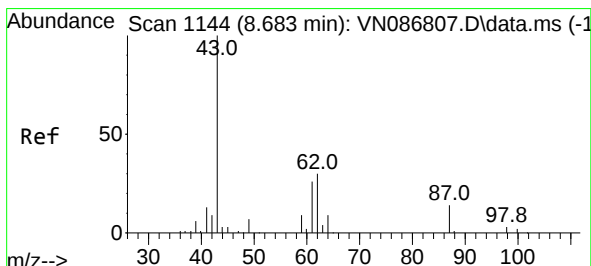
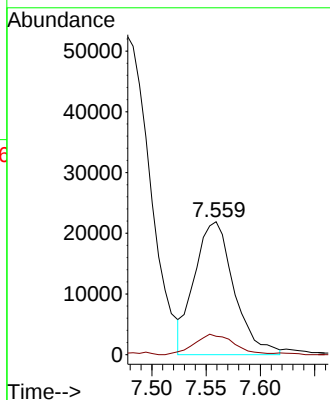
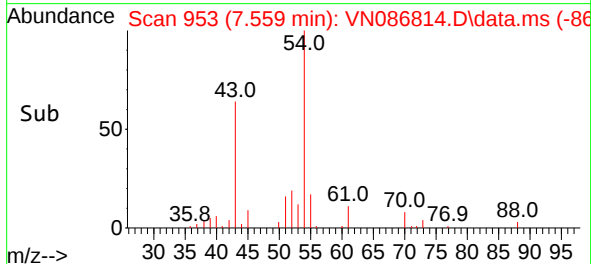
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion: 43 Resp: 55460  
Ion Ratio Lower Upper  
43 100  
45 15.4 11.1 16.7

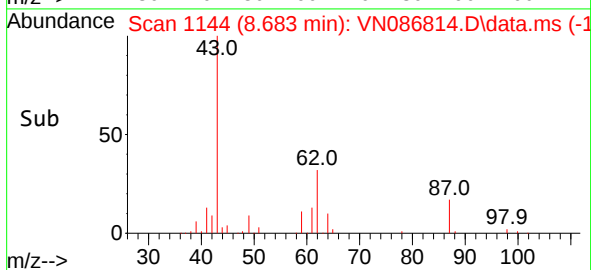
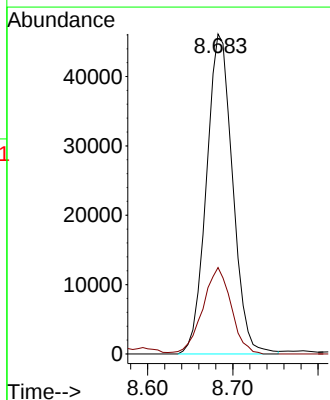
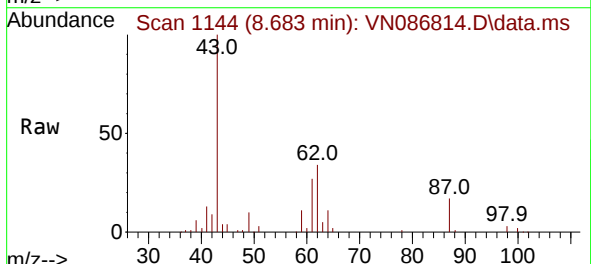
Manual Integrations  
APPROVED

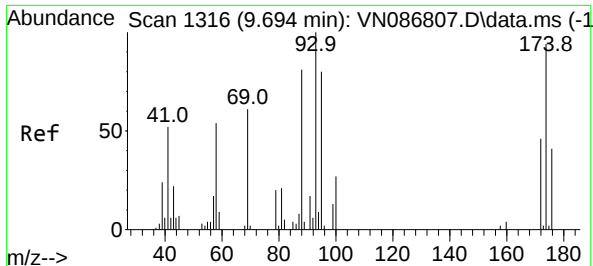
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#44  
Isopropyl Acetate  
Concen: 19.341 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

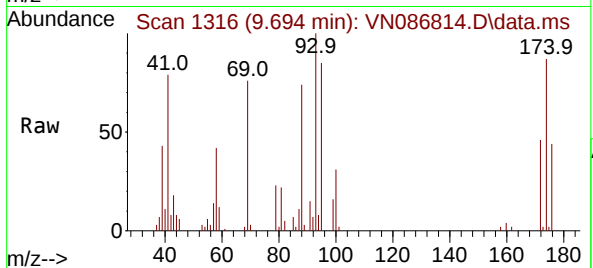
Tgt Ion: 43 Resp: 98414  
Ion Ratio Lower Upper  
43 100  
61 29.3 23.8 35.6





#45  
1,4-Dioxane  
Concen: 382.736 ug/l  
RT: 9.694 min Scan# 1316  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

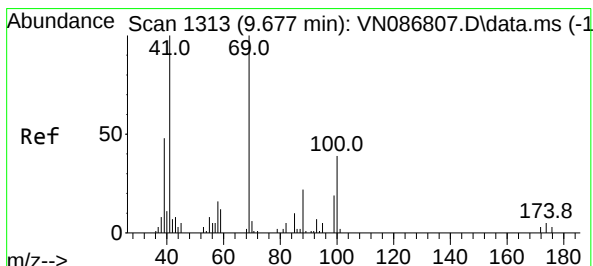
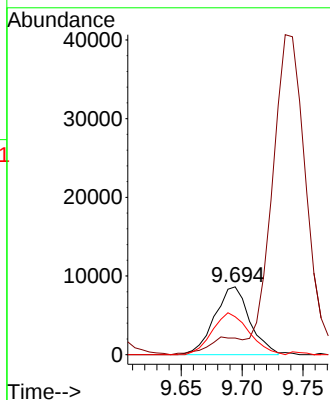
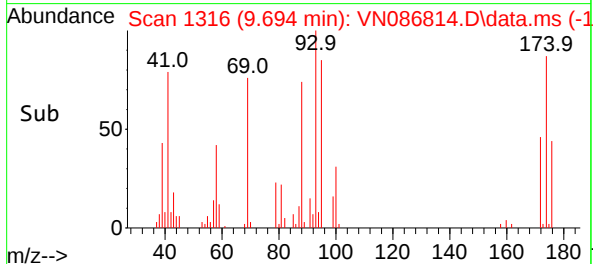
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



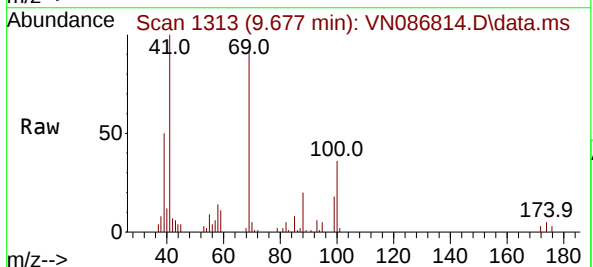
Tgt Ion: 88 Resp: 17310  
Ion Ratio Lower Upper  
88 100  
43 24.9 23.0 34.6  
58 64.2 57.6 86.4

Manual Integrations  
APPROVED

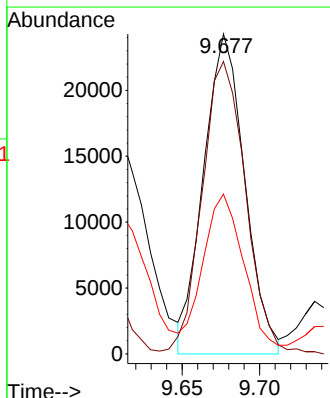
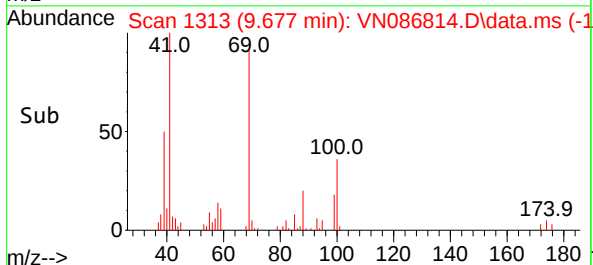
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025

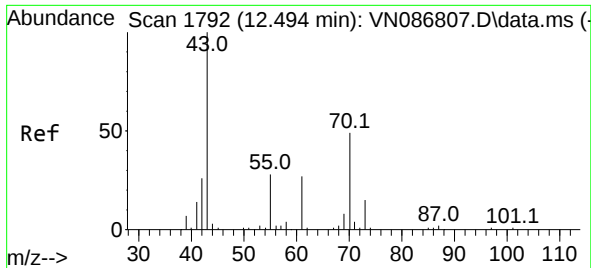


#46  
Methyl methacrylate  
Concen: 19.088 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28



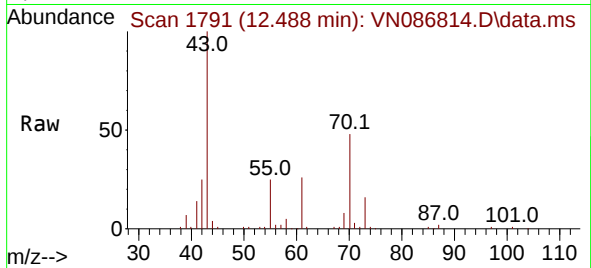
Tgt Ion: 41 Resp: 44785  
Ion Ratio Lower Upper  
41 100  
69 92.6 48.0 144.2  
39 49.5 23.8 71.2





#47  
n-amyl acetate  
Concen: 19.334 ug/l  
RT: 12.488 min Scan# 1791  
Delta R.T. -0.006 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

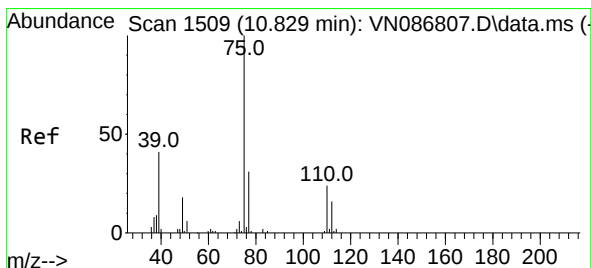
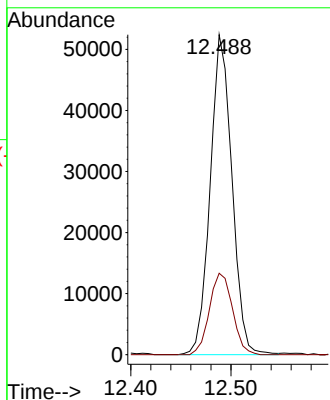
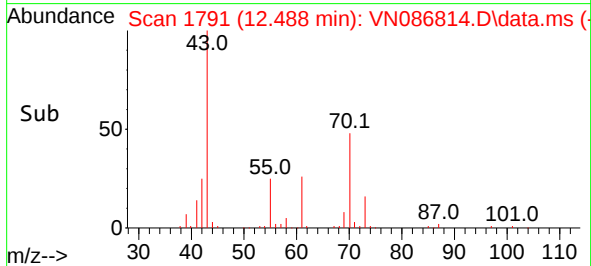
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion: 43 Resp: 7898  
Ion Ratio Lower Upper  
43 100  
55 27.0 21.7 32.5

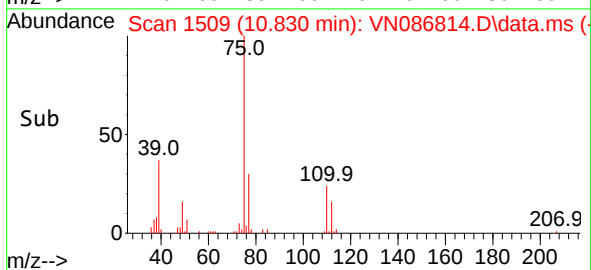
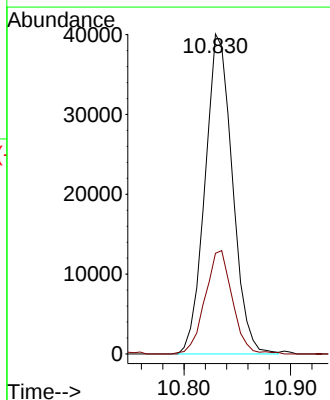
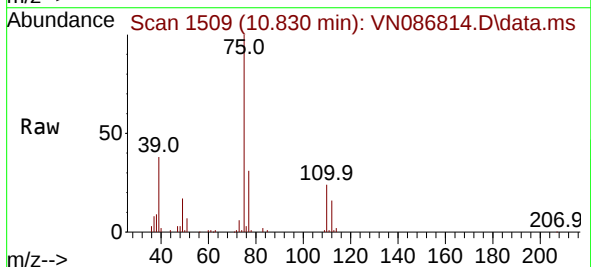
Manual Integrations  
APPROVED

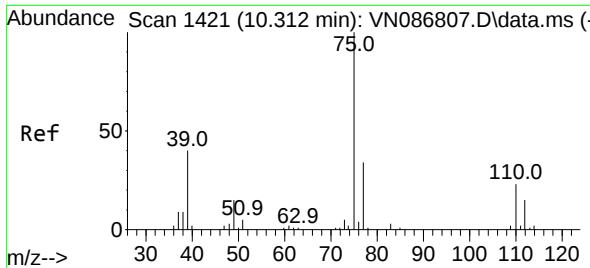
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#48  
t-1,3-Dichloropropene  
Concen: 18.896 ug/l  
RT: 10.830 min Scan# 1509  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

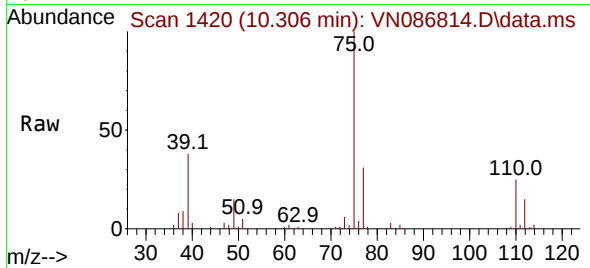
Tgt Ion: 75 Resp: 71749  
Ion Ratio Lower Upper  
75 100  
77 31.0 25.1 37.7





#49  
 cis-1,3-Dichloropropene  
 Concen: 18.693 ug/l  
 RT: 10.306 min Scan# 1420  
 Delta R.T. -0.006 min  
 Lab File: VN086814.D  
 Acq: 29 May 2025 14:28

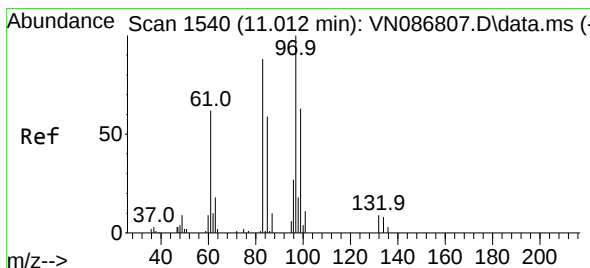
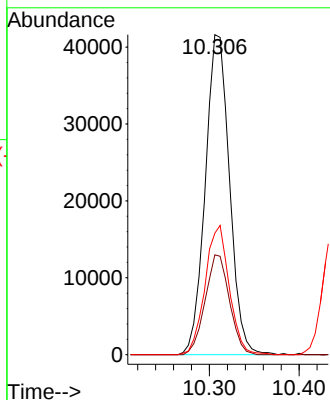
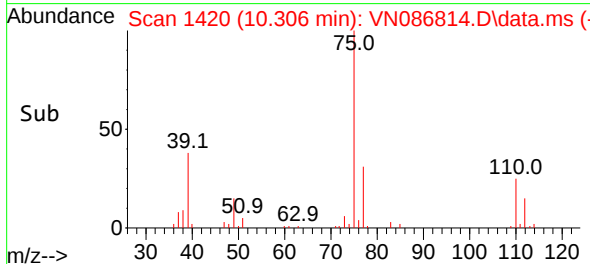
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0529WBSD01



Tgt Ion: 75 Resp: 7806  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 26.9 40.3  
 39 37.9 31.8 47.6

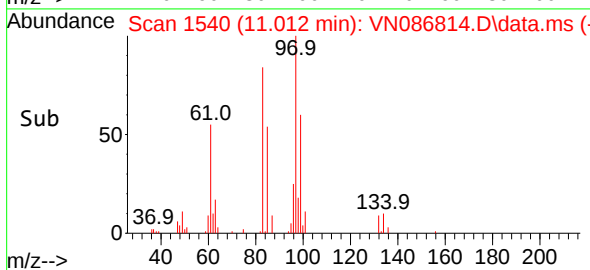
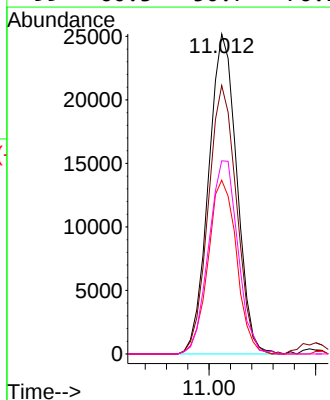
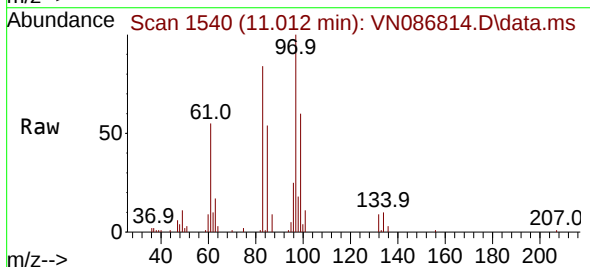
Manual Integrations  
 APPROVED

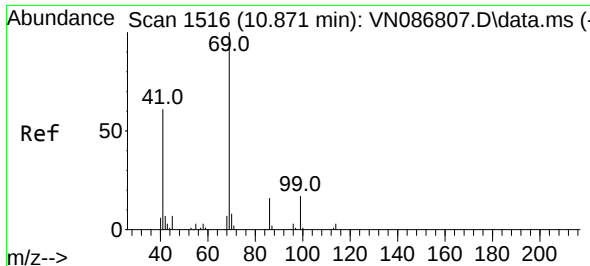
Reviewed By :John Carlone 05/30/2025  
 Supervised By :Mahesh Dadoda 05/30/2025



#50  
 1,1,2-Trichloroethane  
 Concen: 19.400 ug/l  
 RT: 11.012 min Scan# 1540  
 Delta R.T. 0.000 min  
 Lab File: VN086814.D  
 Acq: 29 May 2025 14:28

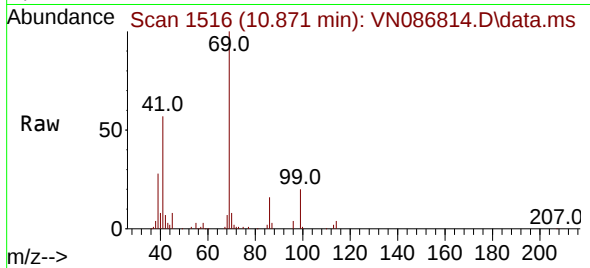
Tgt Ion: 97 Resp: 46316  
 Ion Ratio Lower Upper  
 97 100  
 83 83.9 70.6 105.8  
 85 54.3 46.8 70.2  
 99 60.3 50.7 76.1





#51  
Ethyl methacrylate  
Concen: 18.729 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

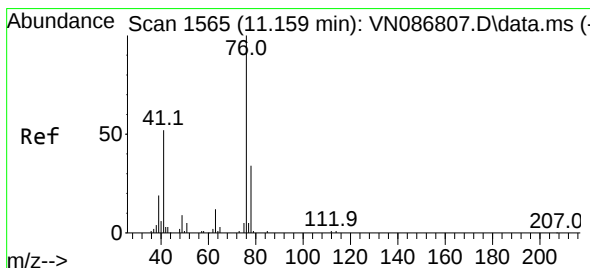
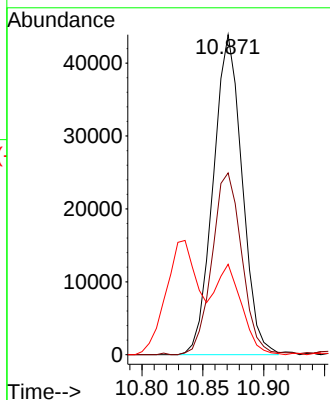
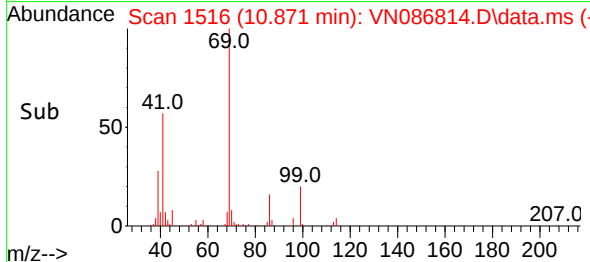
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion: 69 Resp: 72415  
Ion Ratio Lower Upper  
69 100  
41 56.8 30.5 91.5  
39 27.9 14.3 42.9

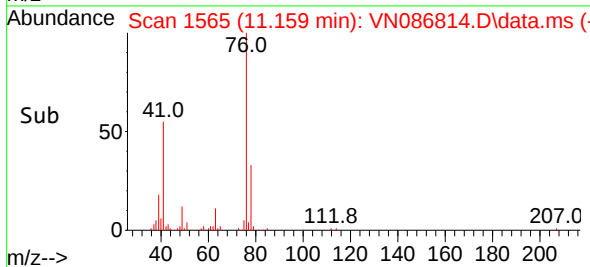
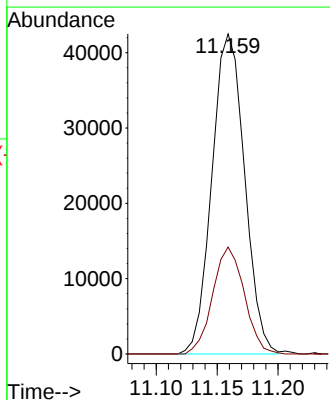
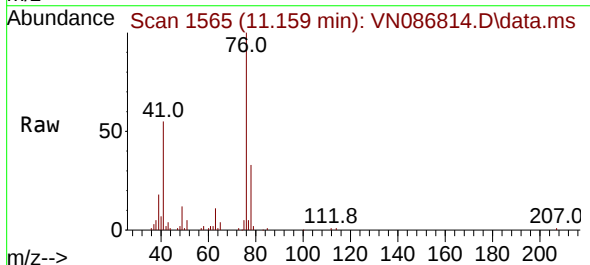
Manual Integrations  
APPROVED

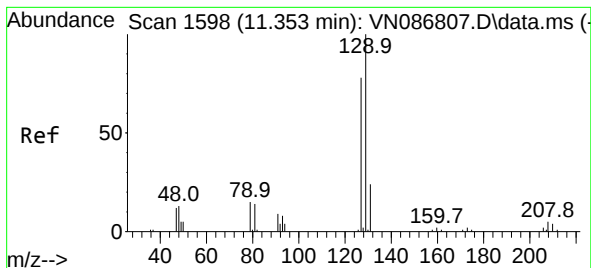
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#52  
1,3-Dichloropropane  
Concen: 18.681 ug/l  
RT: 11.159 min Scan# 1565  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion: 76 Resp: 79148  
Ion Ratio Lower Upper  
76 100  
78 32.3 0.0 64.6





#53

Dibromochloromethane

Concen: 18.857 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. 0.006 min

Lab File: VN086814.D

Acq: 29 May 2025 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0529WBSD01

Tgt Ion:129 Resp: 50872

Ion Ratio Lower Upper

129 100

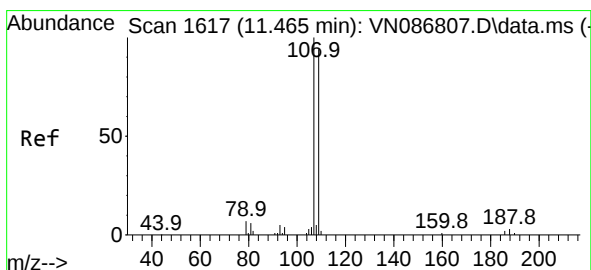
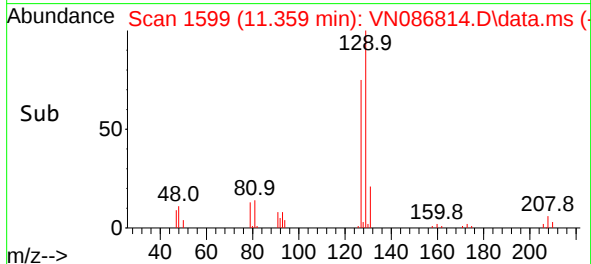
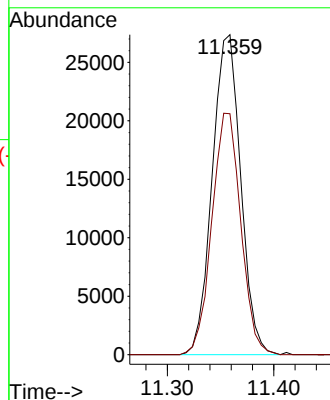
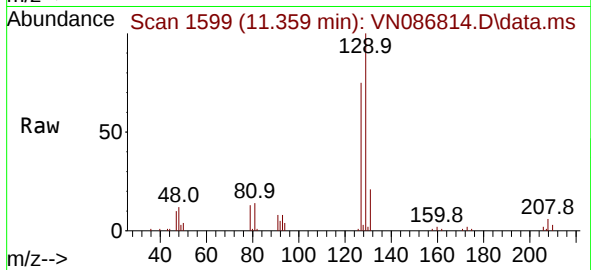
127 76.5 39.1 117.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#54

1,2-Dibromoethane

Concen: 18.903 ug/l

RT: 11.465 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VN086814.D

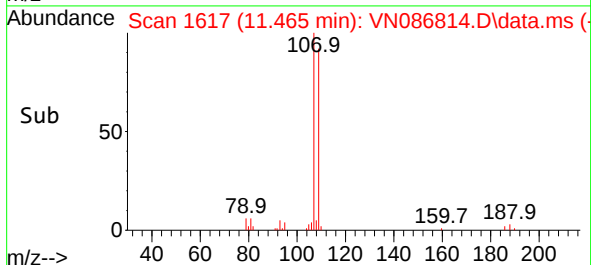
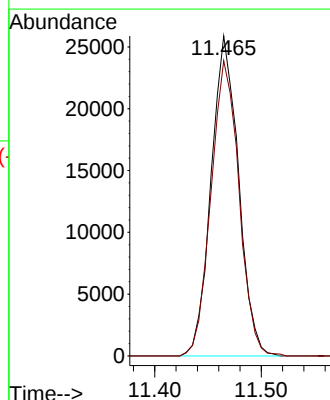
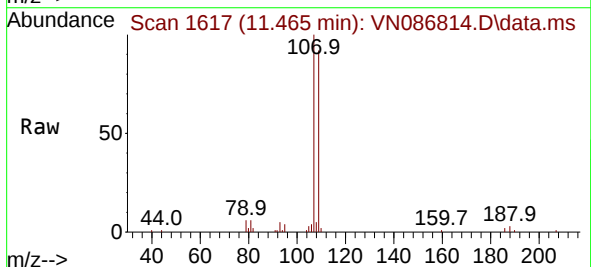
Acq: 29 May 2025 14:28

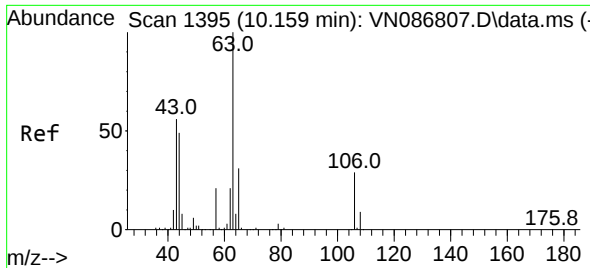
Tgt Ion:107 Resp: 46129

Ion Ratio Lower Upper

107 100

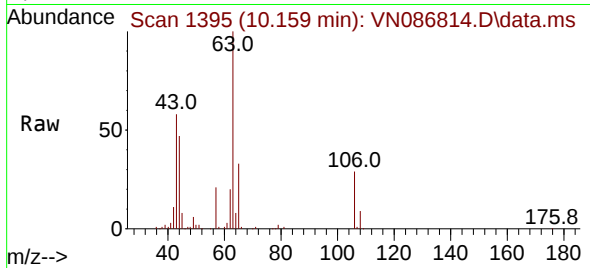
109 94.3 75.0 112.6





#55  
2-Chloroethyl vinyl ether  
Concen: 96.029 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

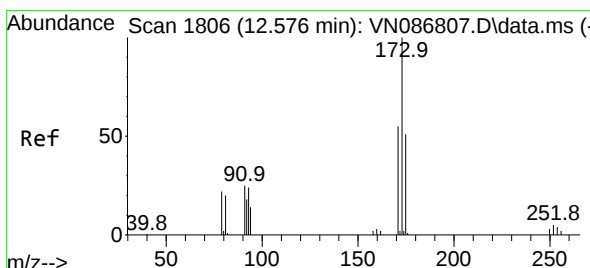
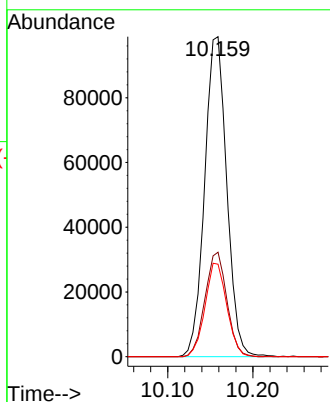
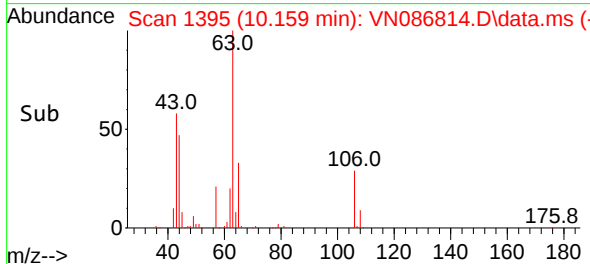
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion: 63 Resp: 178225  
Ion Ratio Lower Upper  
63 100  
65 32.2 25.7 38.5  
106 28.8 22.7 34.1

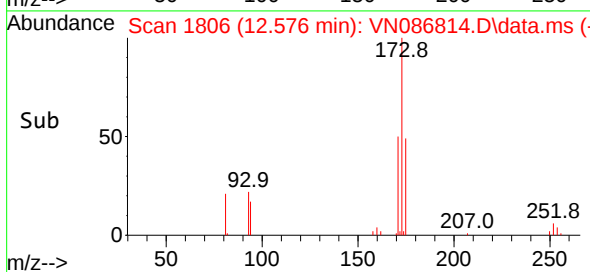
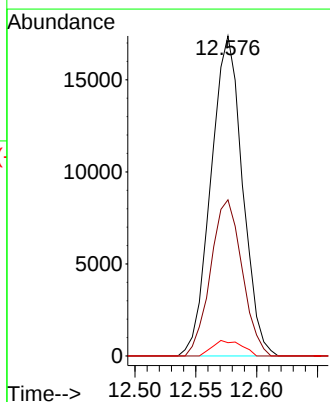
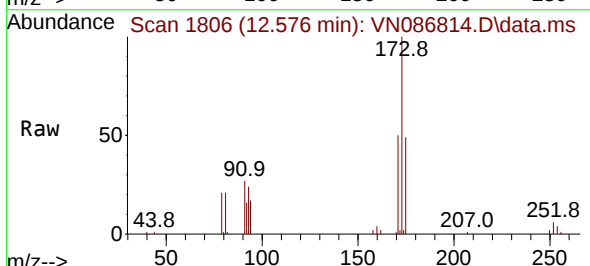
Manual Integrations  
APPROVED

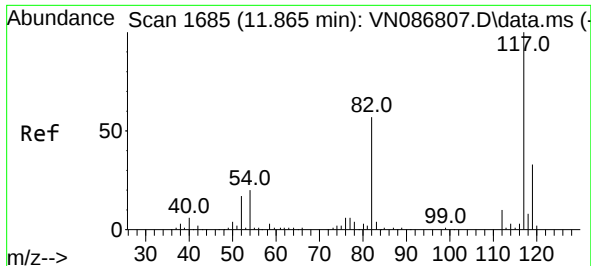
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#56  
Bromoform  
Concen: 18.447 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion:173 Resp: 31357  
Ion Ratio Lower Upper  
173 100  
175 48.7 39.7 59.5  
254 4.5 3.5 5.3





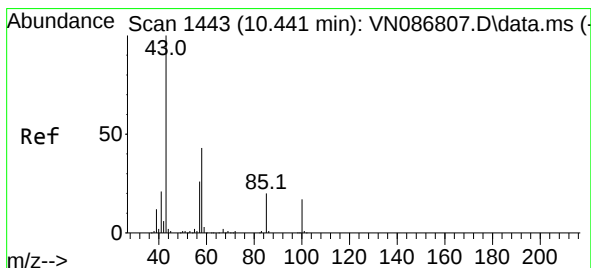
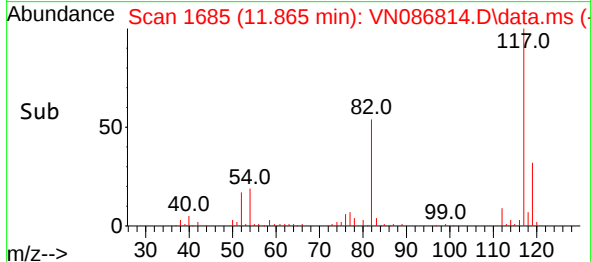
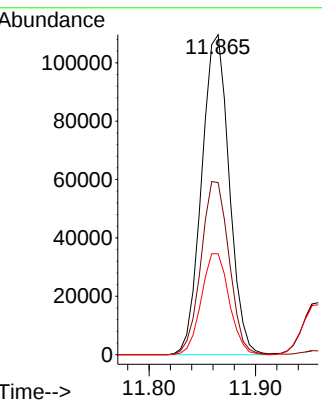
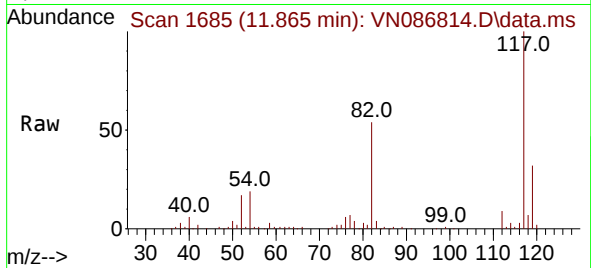
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01

Tgt Ion:117 Resp: 196952  
Ion Ratio Lower Upper  
117 100  
82 55.2 44.7 67.1  
119 32.0 25.6 38.4

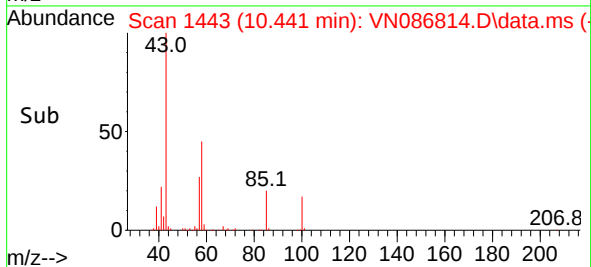
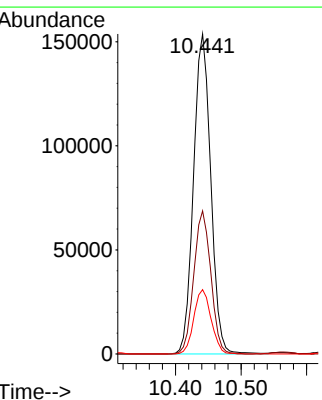
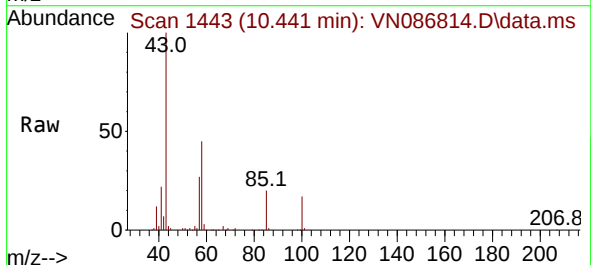
Manual Integrations  
APPROVED

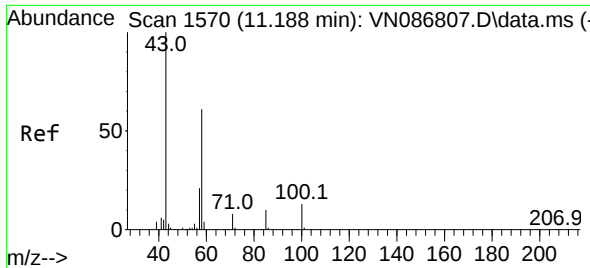
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#58  
4-Methyl-2-Pentanone  
Concen: 97.348 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

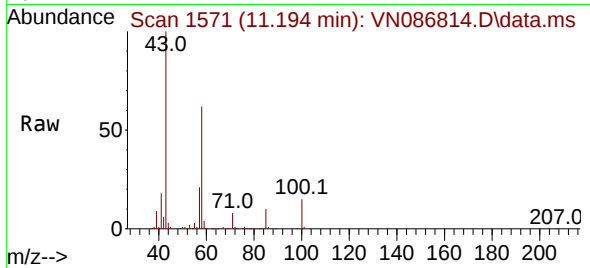
Tgt Ion: 43 Resp: 281330  
Ion Ratio Lower Upper  
43 100  
58 44.3 34.5 51.7  
85 20.1 15.8 23.8





#59  
2-Hexanone  
Concen: 97.614 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.006 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

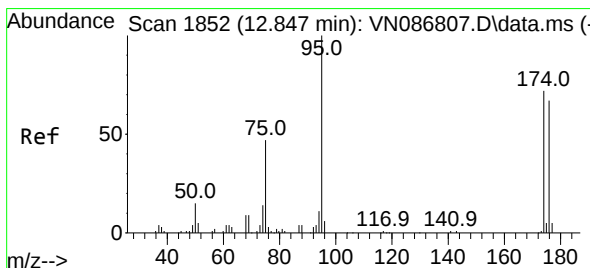
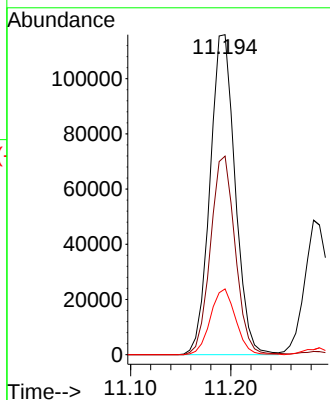
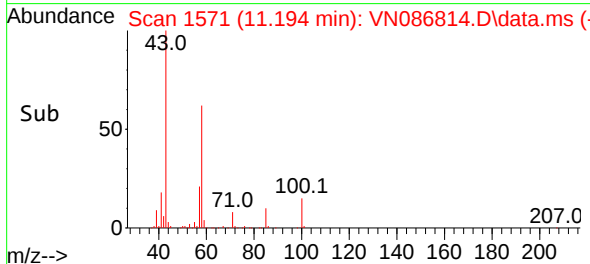
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion: 43 Resp: 202068  
Ion Ratio Lower Upper  
43 100  
58 61.0 49.1 73.7  
57 20.6 16.6 25.0

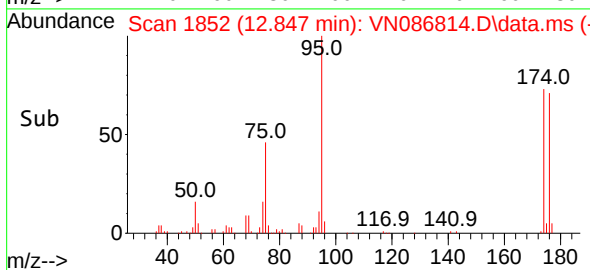
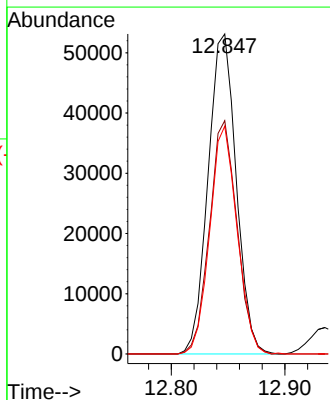
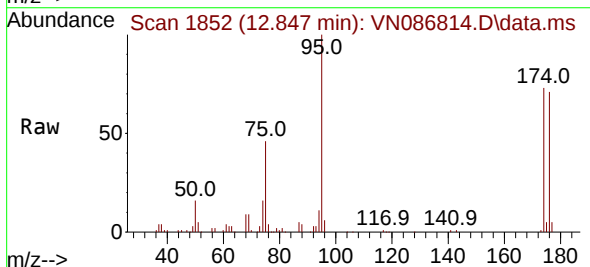
Manual Integrations  
APPROVED

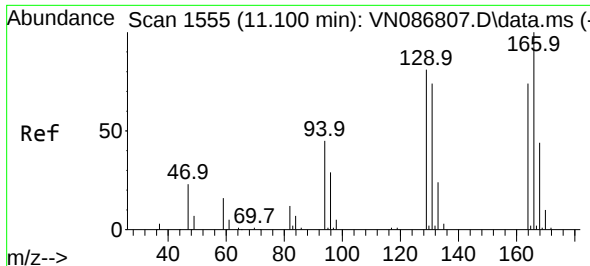
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#60  
4-Bromofluorobenzene  
Concen: 29.600 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

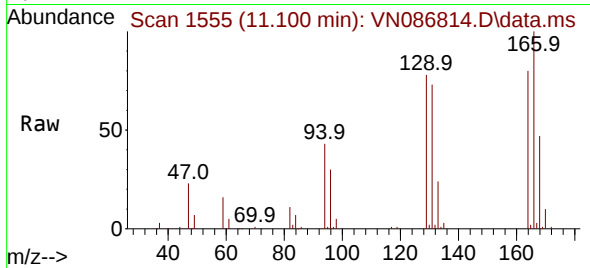
Tgt Ion: 95 Resp: 91528  
Ion Ratio Lower Upper  
95 100  
174 71.3 56.2 84.4  
176 68.9 53.4 80.0





#61  
Tetrachloroethene  
Concen: 18.934 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

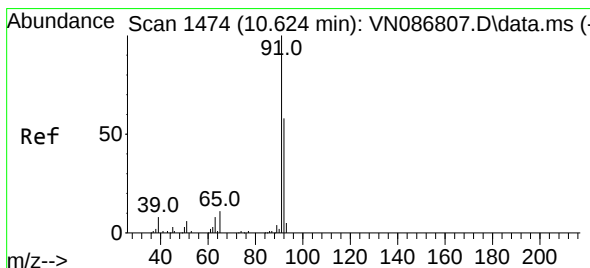
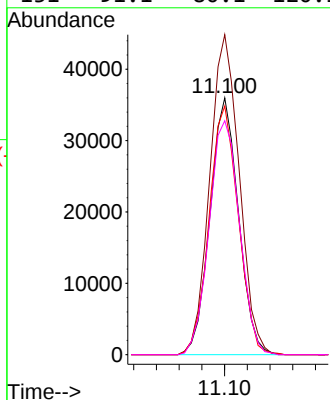
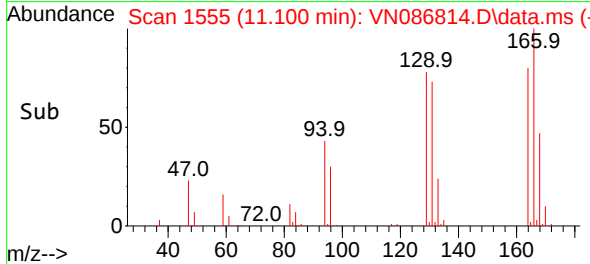
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion:164 Resp: 62684  
Ion Ratio Lower Upper  
164 100  
166 124.6 107.5 161.3  
129 96.9 87.4 131.2  
131 91.1 80.1 120.1

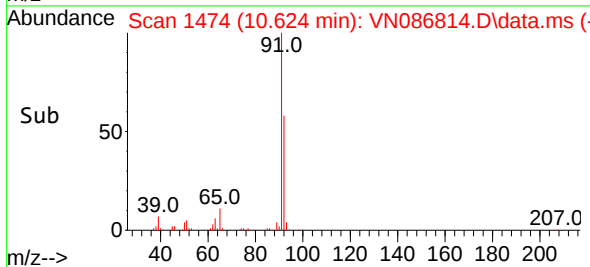
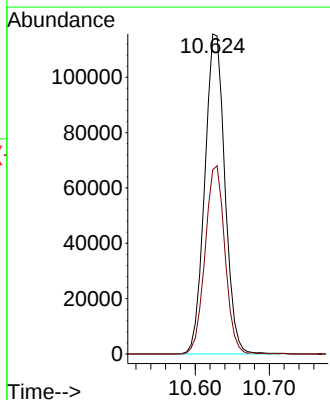
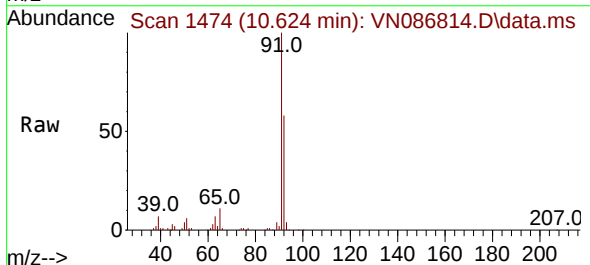
Manual Integrations  
APPROVED

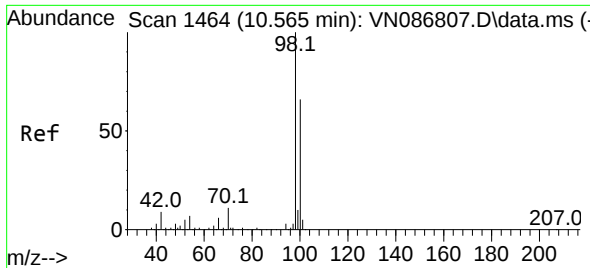
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#62  
Toluene  
Concen: 19.647 ug/l  
RT: 10.624 min Scan# 1474  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

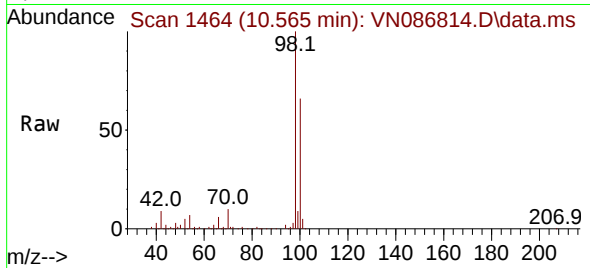
Tgt Ion: 91 Resp: 217929  
Ion Ratio Lower Upper  
91 100  
92 58.0 46.6 70.0





#63  
Toluene-d8  
Concen: 30.229 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

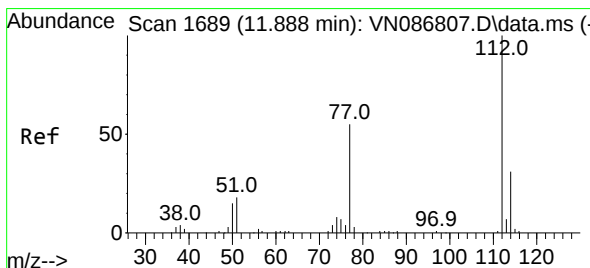
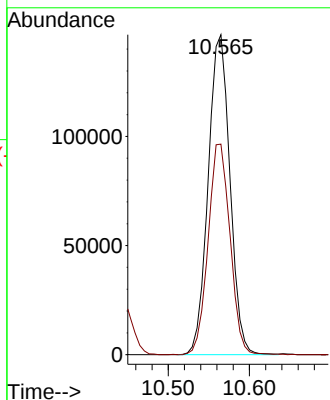
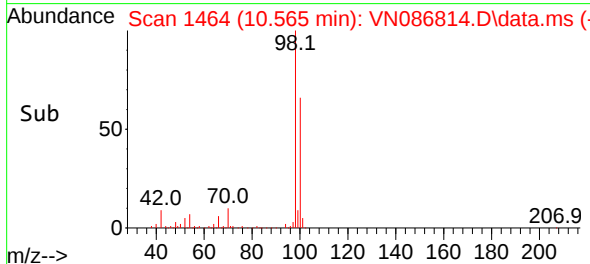
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



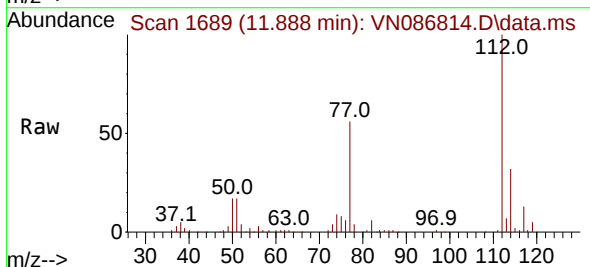
Tgt Ion: 98 Resp: 273260  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.7 79.1

Manual Integrations  
APPROVED

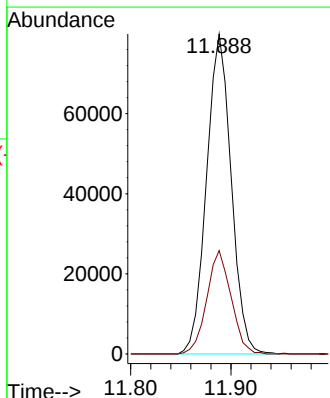
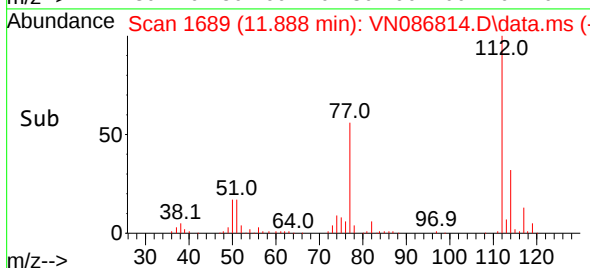
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025

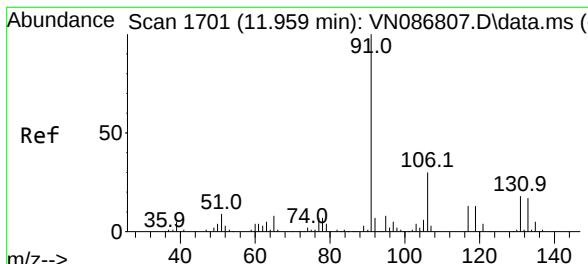


#64  
Chlorobenzene  
Concen: 19.334 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28



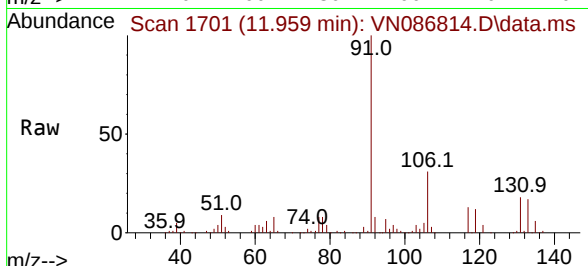
Tgt Ion:112 Resp: 136770  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.1 37.7





#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 19.199 ug/l  
 RT: 11.959 min Scan# 1701  
 Delta R.T. 0.000 min  
 Lab File: VN086814.D  
 Acq: 29 May 2025 14:28

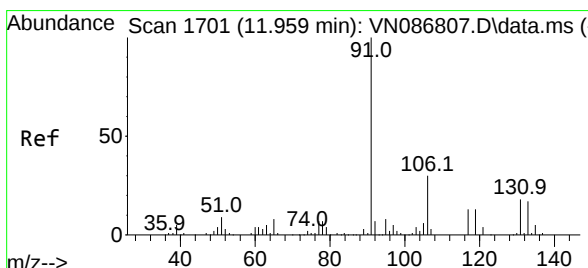
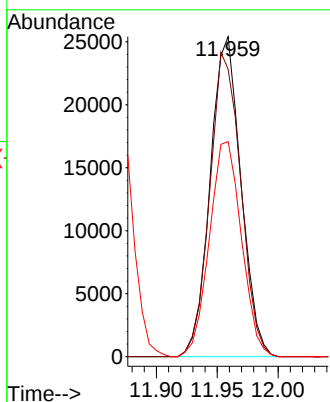
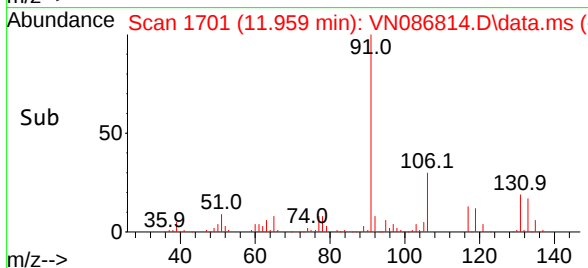
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0529WBSD01



Tgt Ion:131 Resp: 44618  
 Ion Ratio Lower Upper  
 131 100  
 133 95.9 0.0 191.0  
 119 70.1 0.0 140.8

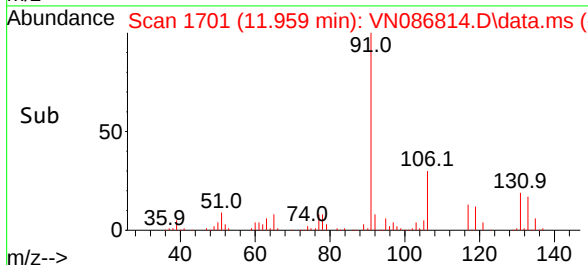
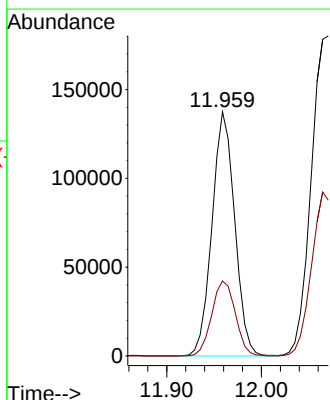
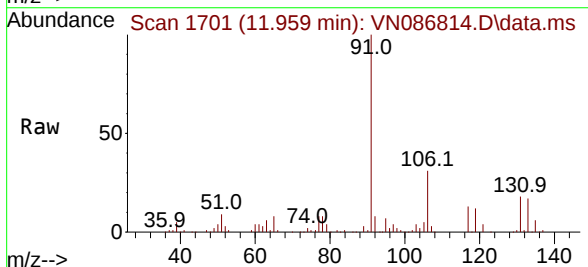
Manual Integrations  
 APPROVED

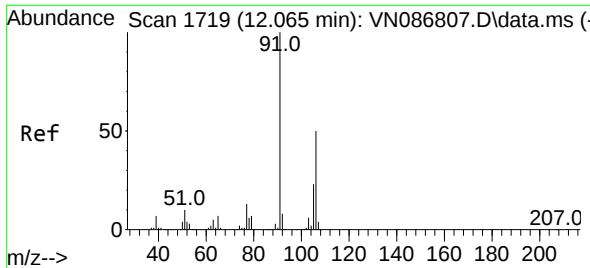
Reviewed By :John Carlone 05/30/2025  
 Supervised By :Mahesh Dadoda 05/30/2025



#66  
 Ethyl Benzene  
 Concen: 19.056 ug/l  
 RT: 11.959 min Scan# 1701  
 Delta R.T. 0.000 min  
 Lab File: VN086814.D  
 Acq: 29 May 2025 14:28

Tgt Ion: 91 Resp: 228625  
 Ion Ratio Lower Upper  
 91 100  
 106 30.7 23.6 35.4





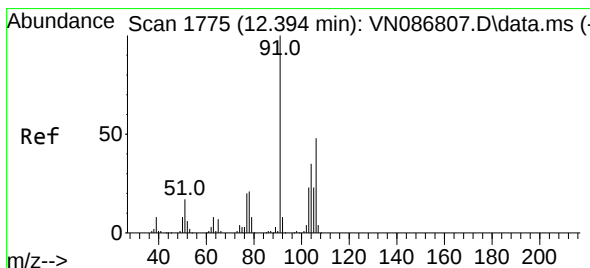
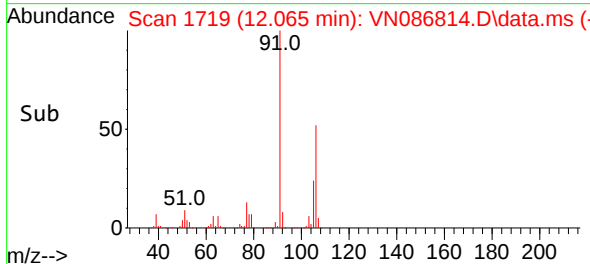
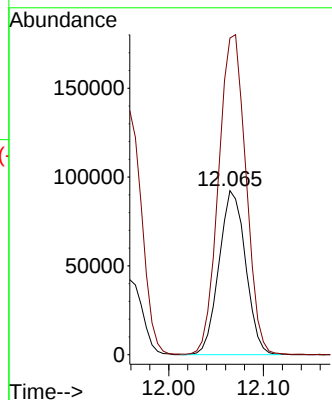
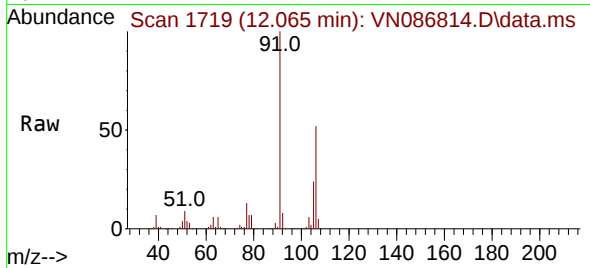
#67  
m/p-Xylenes  
Concen: 38.300 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01

Tgt Ion:106 Resp: 18032  
Ion Ratio Lower Upper  
106 100  
91 200.6 160.7 241.1

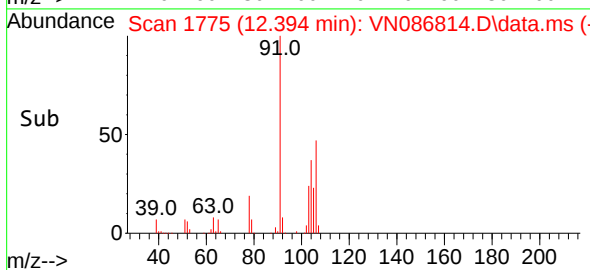
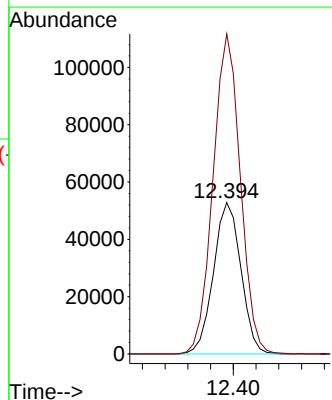
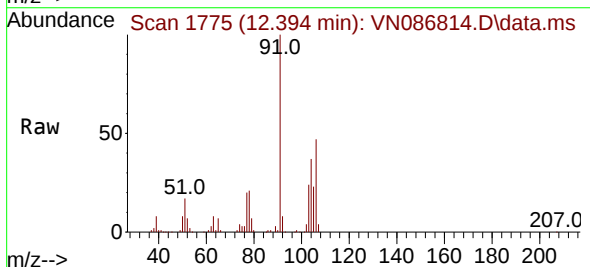
Manual Integrations  
APPROVED

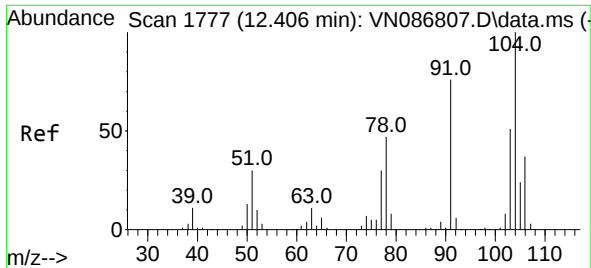
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#68  
o-Xylene  
Concen: 19.450 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

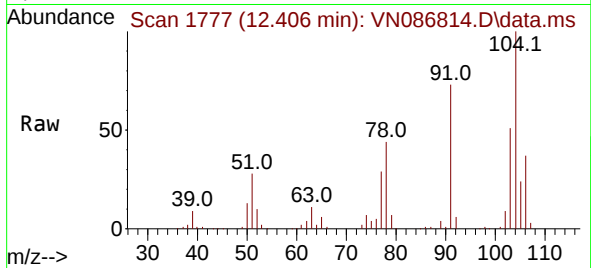
Tgt Ion:106 Resp: 88744  
Ion Ratio Lower Upper  
106 100  
91 210.2 106.3 318.9





#69  
Styrene  
Concen: 19.195 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

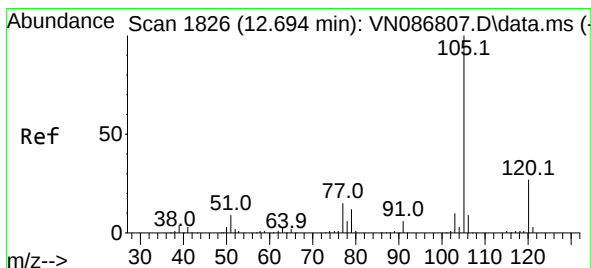
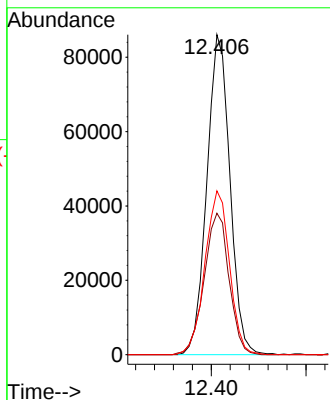
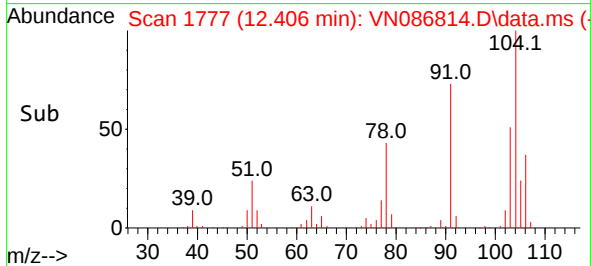
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



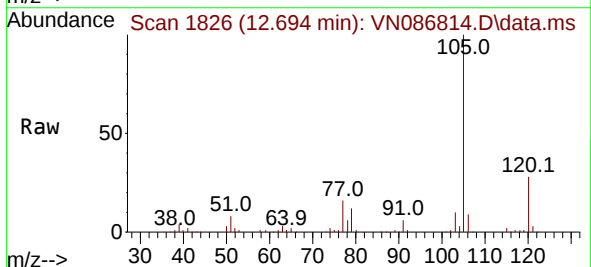
Tgt Ion:104 Resp: 145920  
Ion Ratio Lower Upper  
104 100  
78 47.7 38.6 57.8  
103 54.5 43.2 64.8

Manual Integrations  
APPROVED

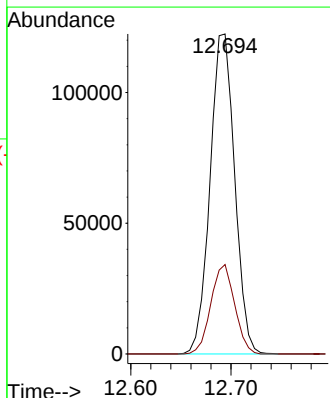
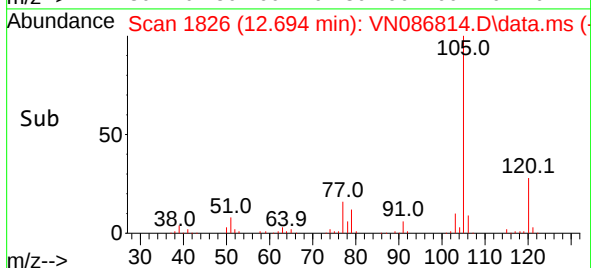
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025

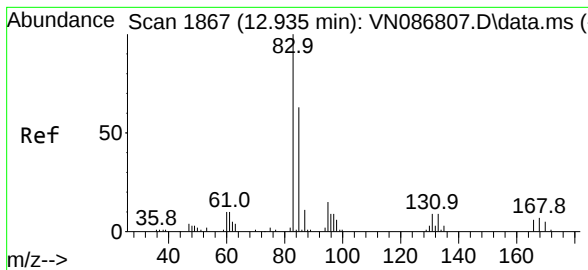


#70  
Isopropylbenzene  
Concen: 19.262 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28



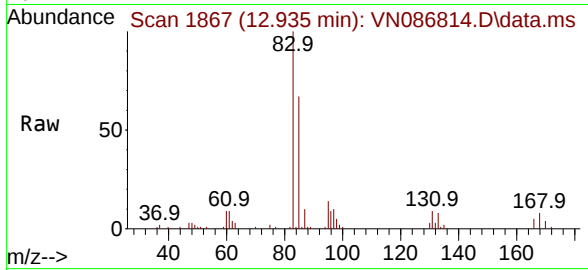
Tgt Ion:105 Resp: 209036  
Ion Ratio Lower Upper  
105 100  
120 26.9 19.0 35.2





#71  
1,1,2,2-Tetrachloroethane  
Concen: 20.053 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

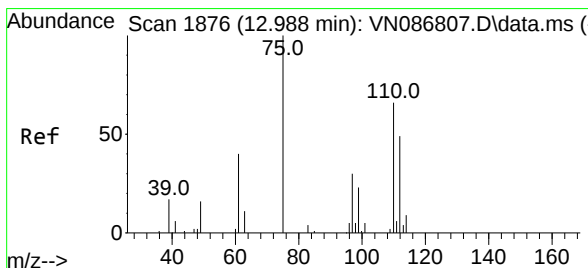
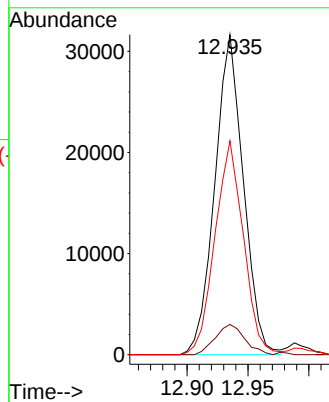
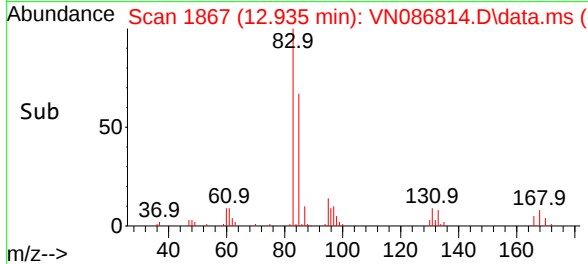
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion: 83 Resp: 5174  
Ion Ratio Lower Upper  
83 100  
131 9.7 5.0 15.0  
85 66.5 32.6 97.7

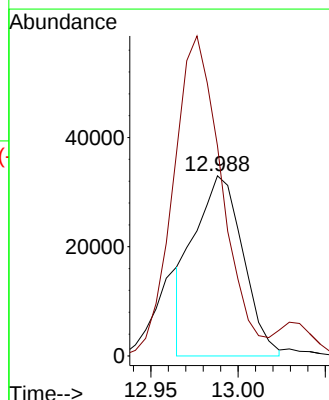
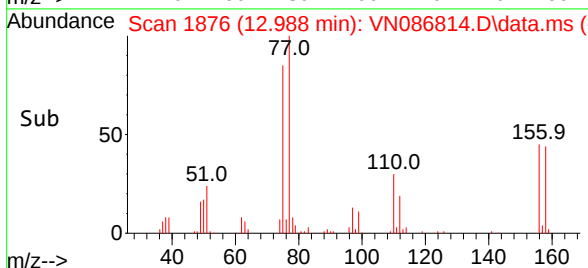
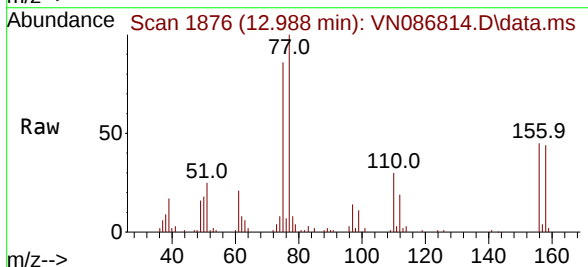
Manual Integrations  
APPROVED

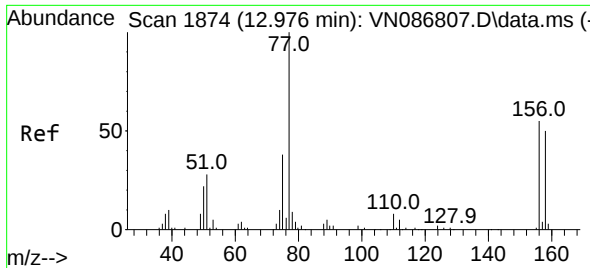
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#72  
1,2,3-Trichloropropane  
Concen: 21.292 ug/l m  
RT: 12.988 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion: 75 Resp: 64388  
Ion Ratio Lower Upper  
75 100  
77 177.4 0.0 390.6





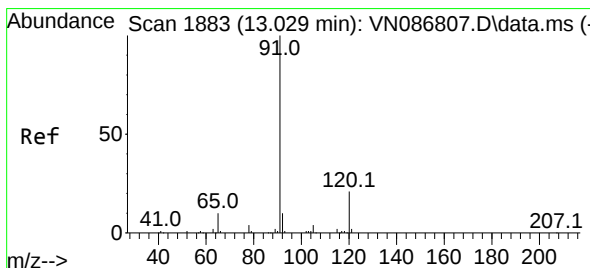
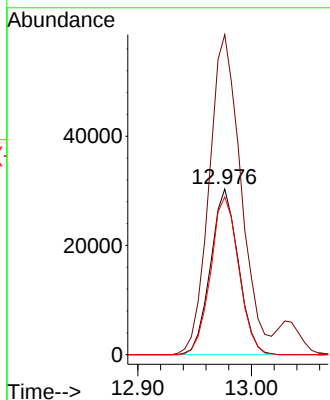
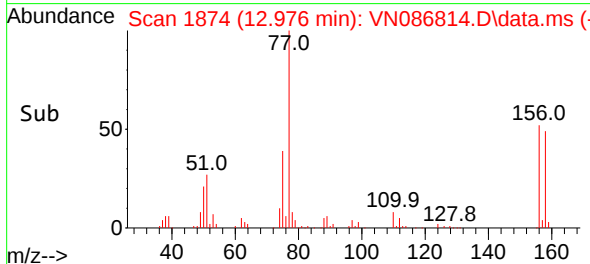
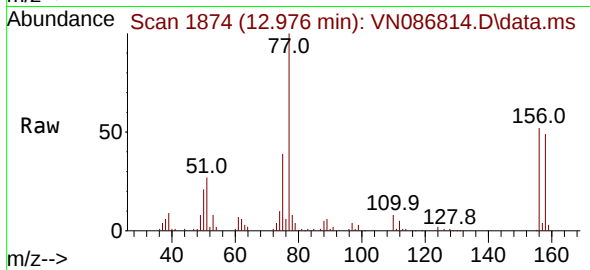
#73  
Bromobenzene  
Concen: 19.135 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01

Tgt Ion:156 Resp: 5161  
Ion Ratio Lower Upper  
156 100  
77 221.3 0.0 442.0  
158 95.9 0.0 191.8

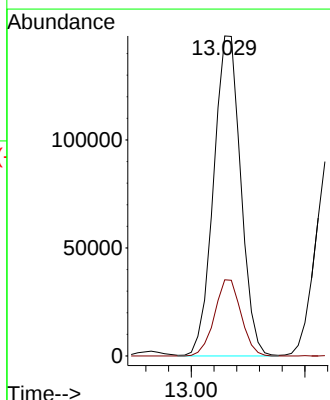
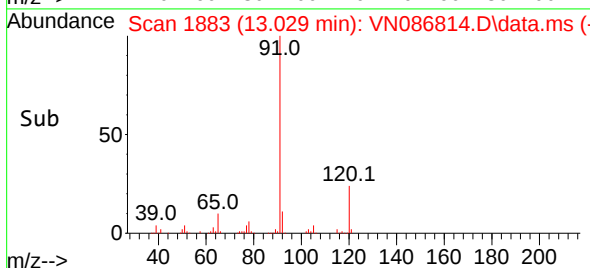
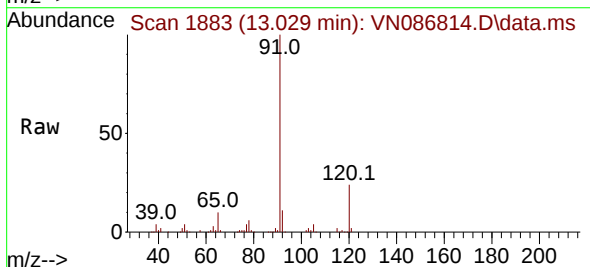
Manual Integrations  
APPROVED

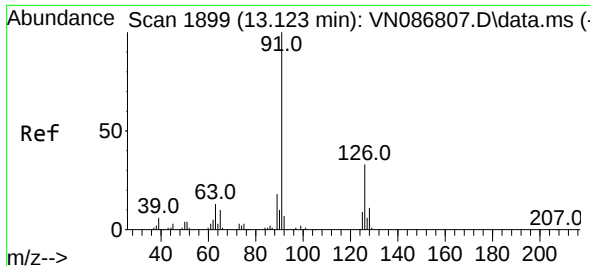
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#74  
n-propylbenzene  
Concen: 19.128 ug/l  
RT: 13.029 min Scan# 1883  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion: 91 Resp: 245885  
Ion Ratio Lower Upper  
91 100  
120 23.2 0.0 45.6





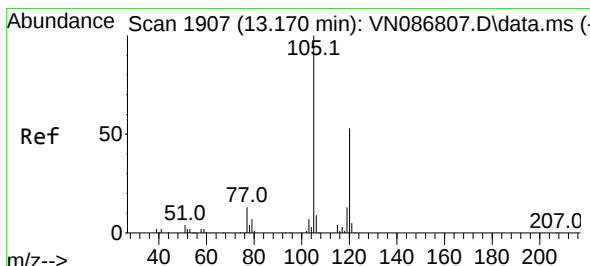
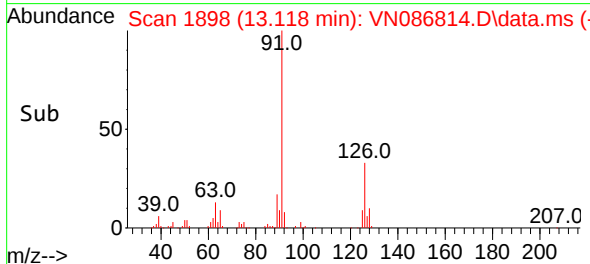
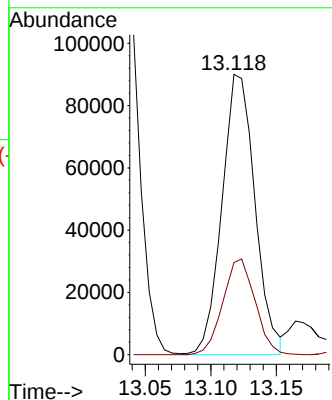
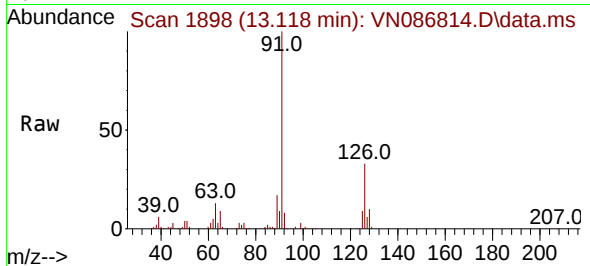
#75  
2-Chlorotoluene  
Concen: 19.114 ug/l  
RT: 13.118 min Scan# 1899  
Delta R.T. -0.006 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01

Tgt Ion: 91 Resp: 157700  
Ion Ratio Lower Upper  
91 100  
126 33.3 0.0 64.4

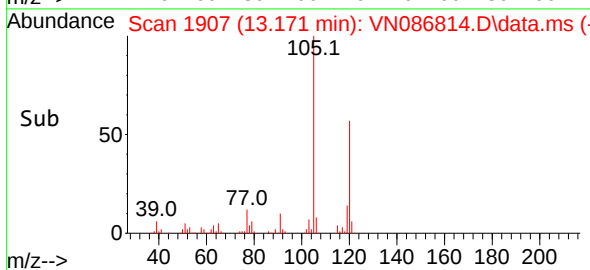
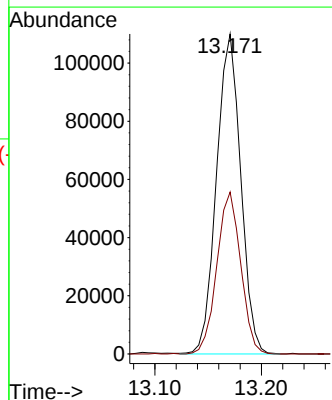
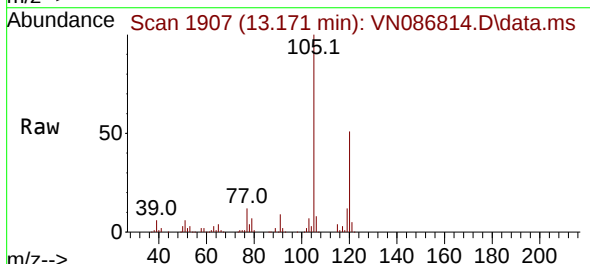
Manual Integrations  
APPROVED

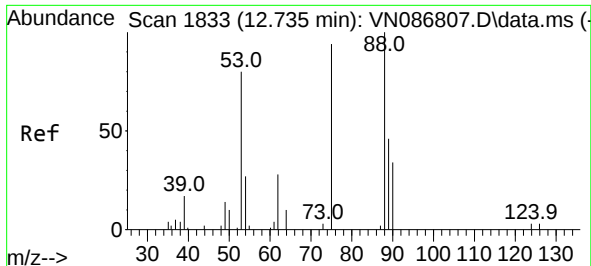
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#76  
1,3,5-Trimethylbenzene  
Concen: 19.227 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

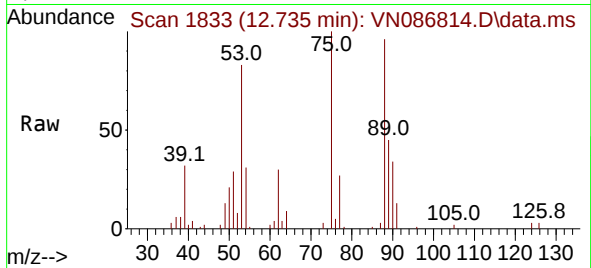
Tgt Ion:105 Resp: 173580  
Ion Ratio Lower Upper  
105 100  
120 49.8 0.0 101.4





#77  
t-1,4-Dichloro-2-butene  
Concen: 18.000 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

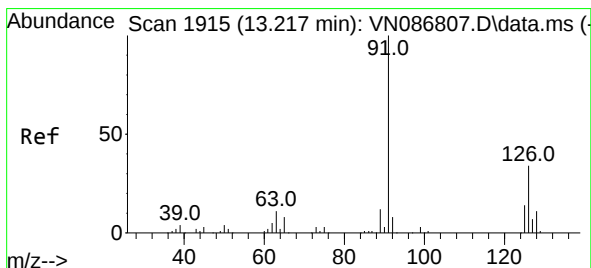
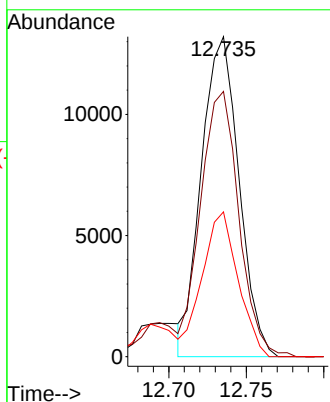
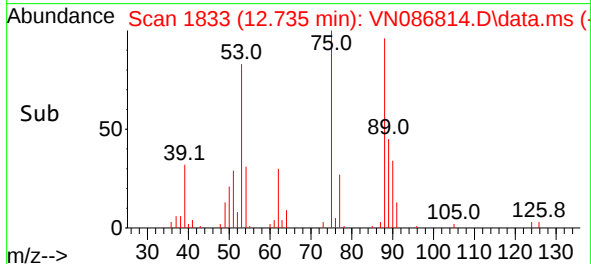
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion: 75 Resp: 22275  
Ion Ratio Lower Upper  
75 100  
53 81.7 43.0 128.8  
89 45.2 25.4 76.2

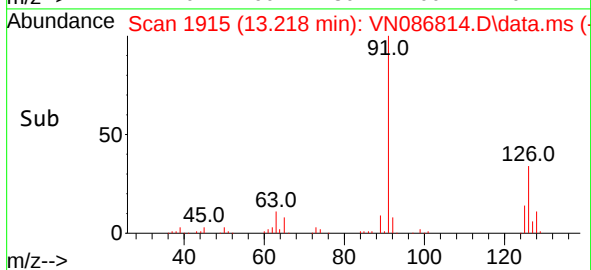
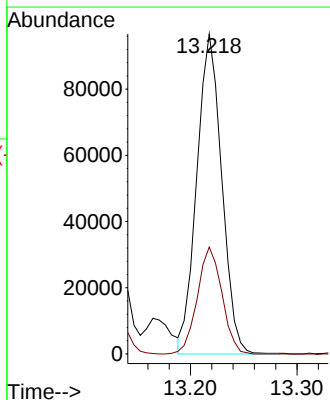
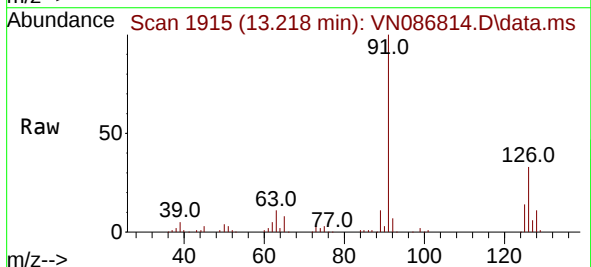
Manual Integrations  
APPROVED

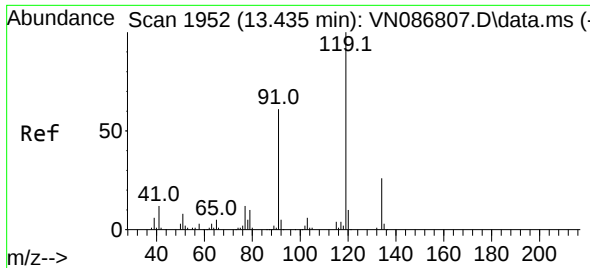
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#78  
4-Chlorotoluene  
Concen: 19.253 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion: 91 Resp: 157358  
Ion Ratio Lower Upper  
91 100  
126 32.9 0.0 66.6





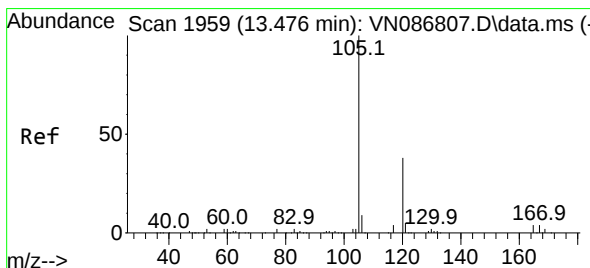
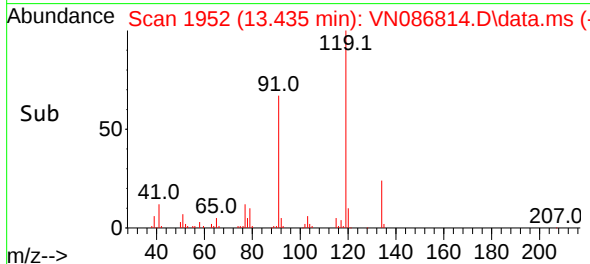
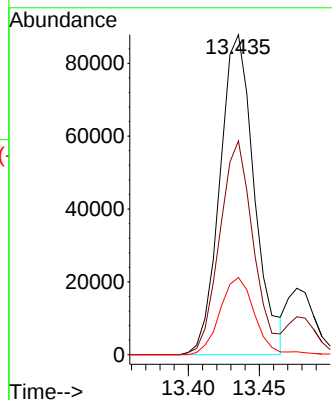
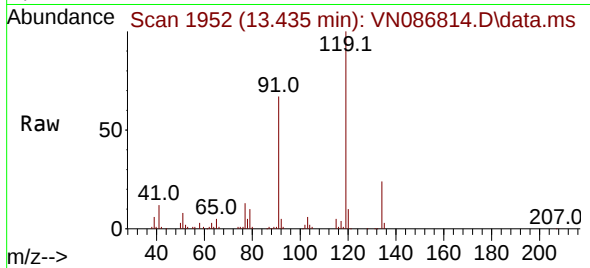
#79  
tert-butylbenzene  
Concen: 19.020 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01

Tgt Ion:119 Resp: 148460  
Ion Ratio Lower Upper  
119 100  
91 65.4 0.0 130.4  
134 23.9 0.0 50.6

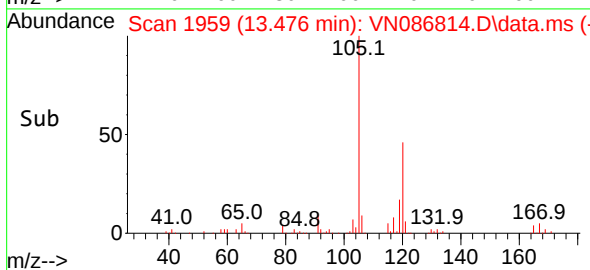
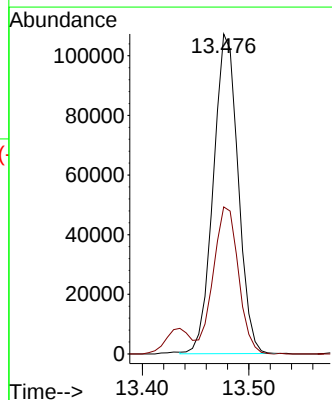
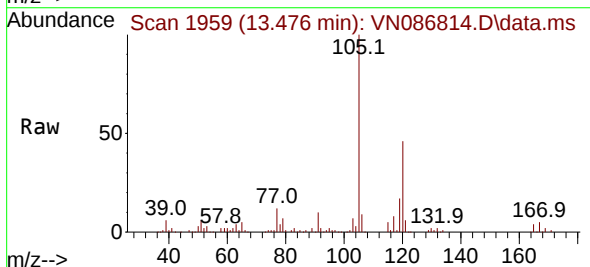
Manual Integrations  
APPROVED

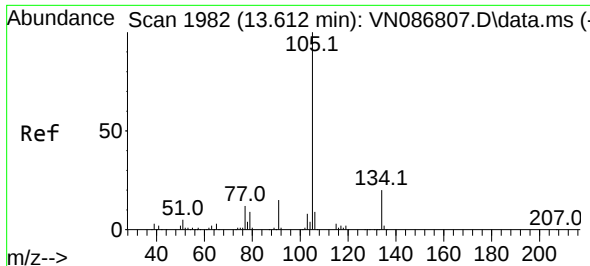
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#80  
1,2,4-Trimethylbenzene  
Concen: 19.071 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

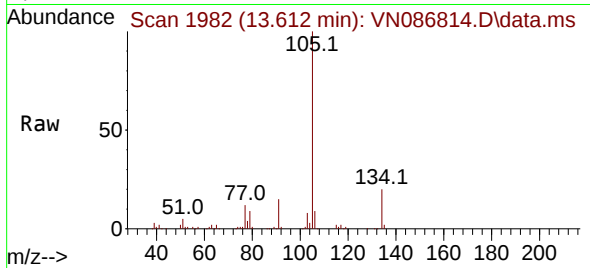
Tgt Ion:105 Resp: 172825  
Ion Ratio Lower Upper  
105 100  
120 47.2 0.0 92.2





#81  
 sec-Butylbenzene  
 Concen: 18.932 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. 0.000 min  
 Lab File: VN086814.D  
 Acq: 29 May 2025 14:28

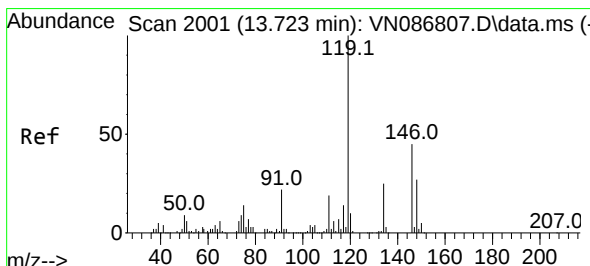
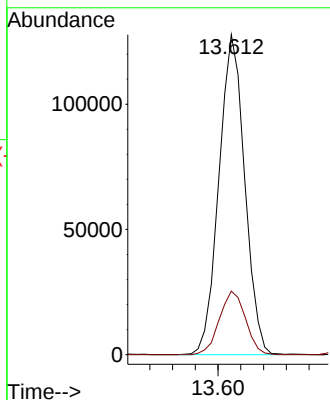
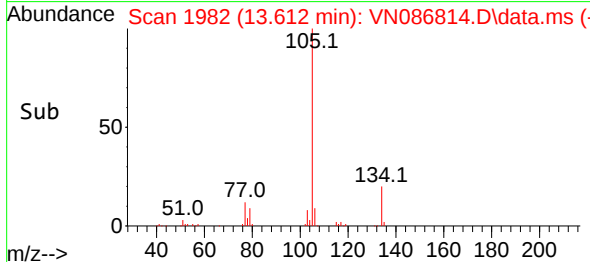
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0529WBSD01



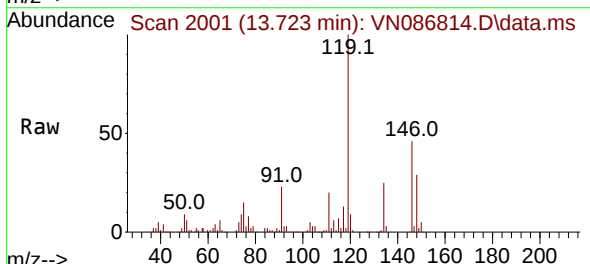
Tgt Ion:105 Resp: 20132  
 Ion Ratio Lower Upper  
 105 100  
 134 20.1 0.0 40.0

Manual Integrations  
 APPROVED

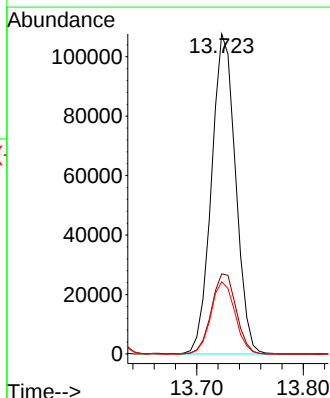
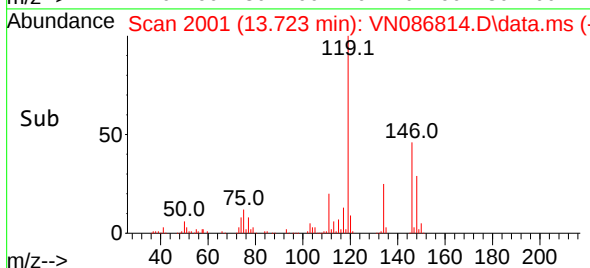
Reviewed By :John Carlone 05/30/2025  
 Supervised By :Mahesh Dadoda 05/30/2025

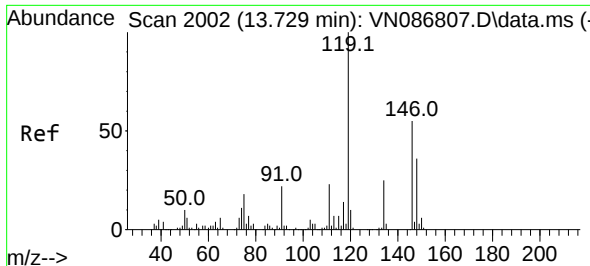


#82  
 p-Isopropyltoluene  
 Concen: 18.944 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. 0.000 min  
 Lab File: VN086814.D  
 Acq: 29 May 2025 14:28



Tgt Ion:119 Resp: 169153  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 0.0 51.8  
 91 22.6 0.0 45.2





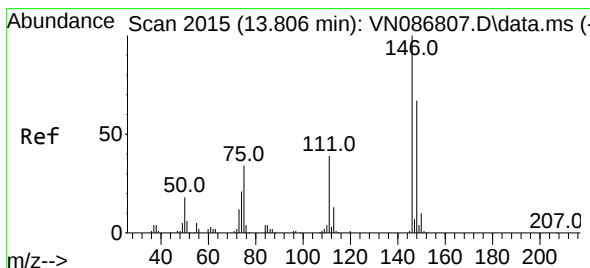
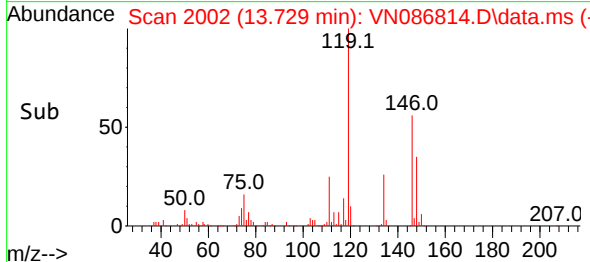
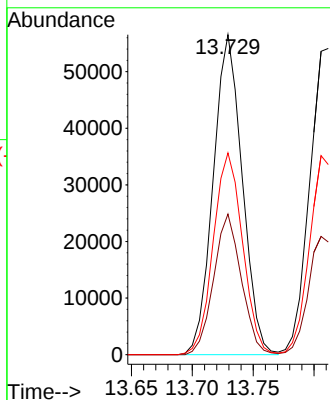
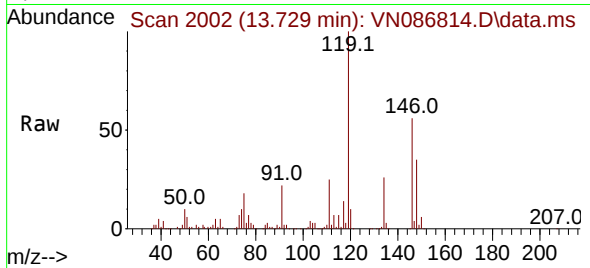
#83  
1,3-Dichlorobenzene  
Concen: 18.979 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01

Tgt Ion:146 Resp: 93914  
Ion Ratio Lower Upper  
146 100  
111 41.9 21.1 63.1  
148 63.7 32.1 96.5

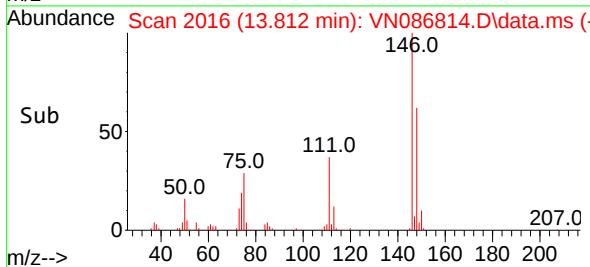
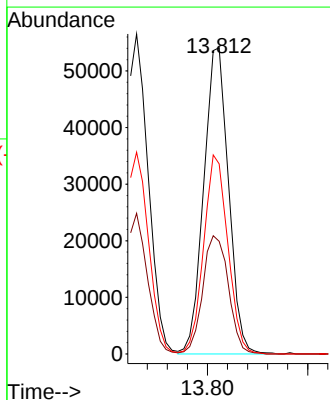
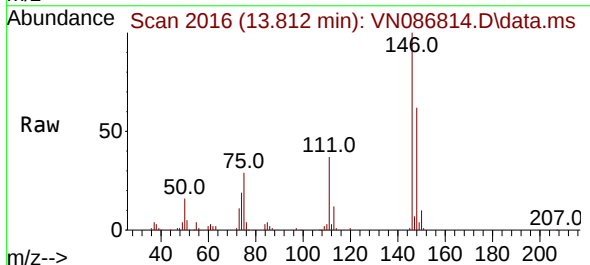
Manual Integrations  
APPROVED

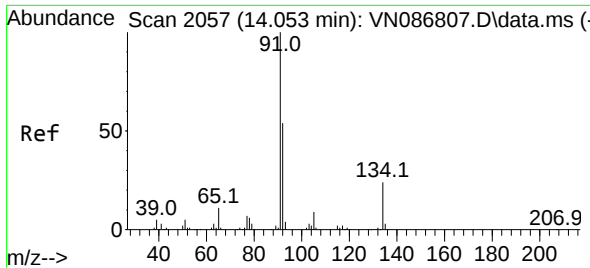
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#84  
1,4-Dichlorobenzene  
Concen: 18.889 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. 0.006 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion:146 Resp: 93020  
Ion Ratio Lower Upper  
146 100  
111 40.0 19.8 59.4  
148 63.4 31.9 95.5





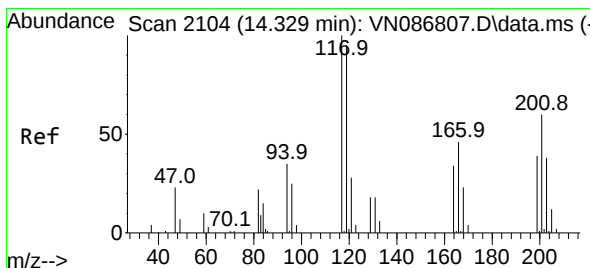
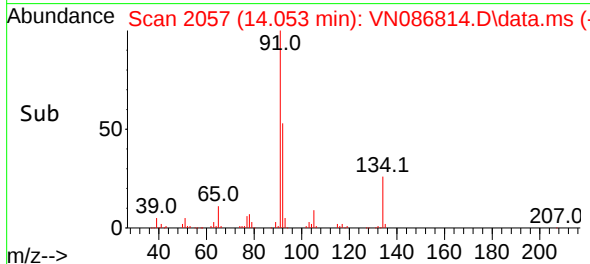
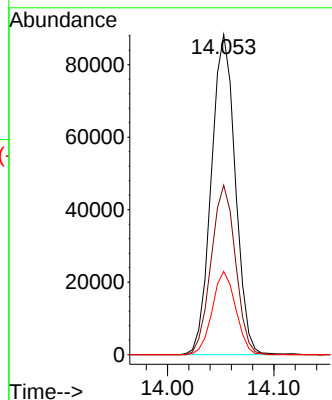
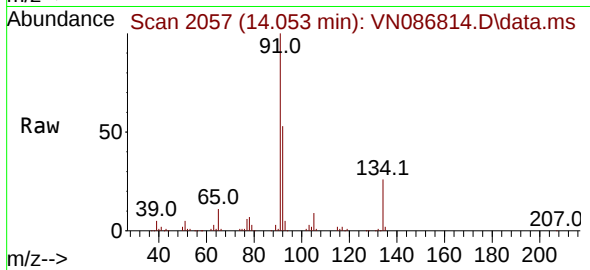
#85  
n-Butylbenzene  
Concen: 18.473 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01

Tgt Ion: 91 Resp: 138092  
Ion Ratio Lower Upper  
91 100  
92 53.7 0.0 107.6  
134 25.4 0.0 50.0

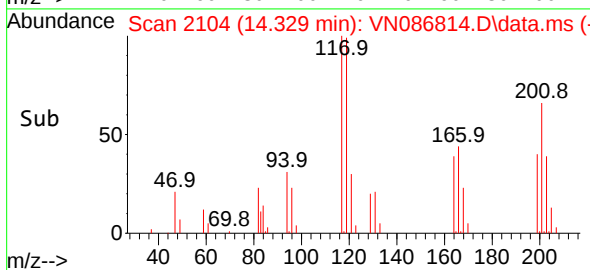
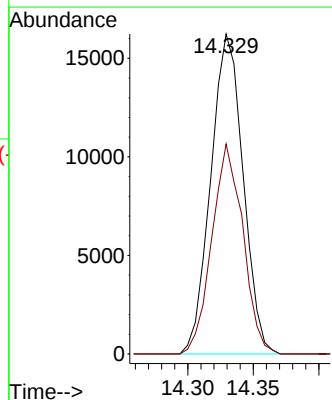
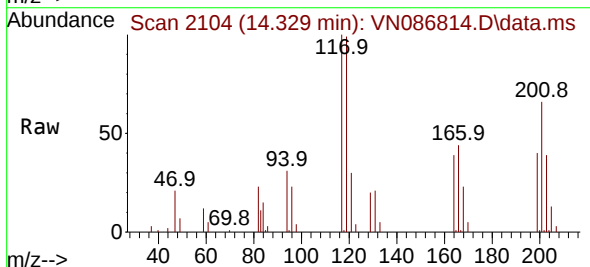
Manual Integrations  
APPROVED

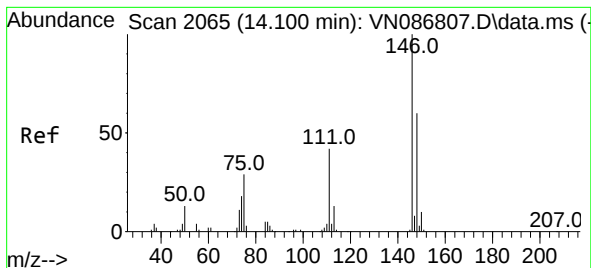
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#86  
Hexachloroethane  
Concen: 18.287 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion:117 Resp: 27829  
Ion Ratio Lower Upper  
117 100  
201 63.0 31.4 94.3





#87

1,2-Dichlorobenzene

Concen: 19.277 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VN086814.D

Acq: 29 May 2025 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0529WBSD01

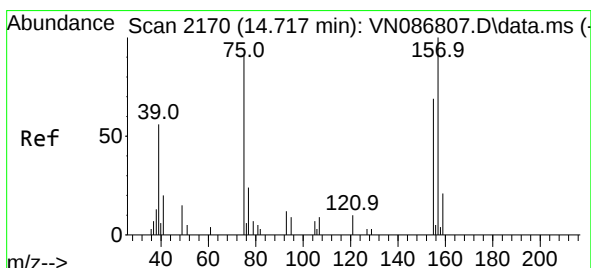
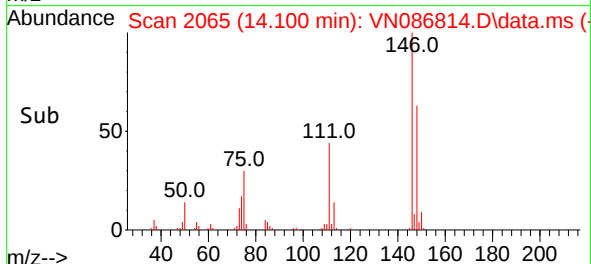
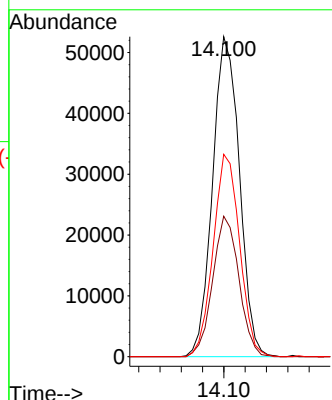
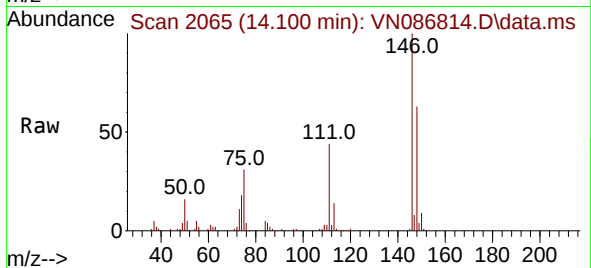
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 92020 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 42.9  | 21.6  | 64.8  |
| 148       | 62.3  | 31.6  | 94.7  |

Manual Integrations

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Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.520 ug/l

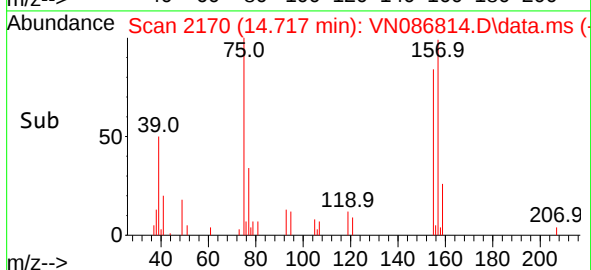
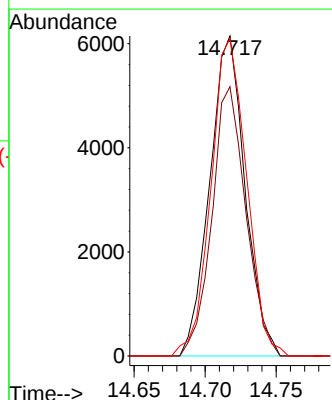
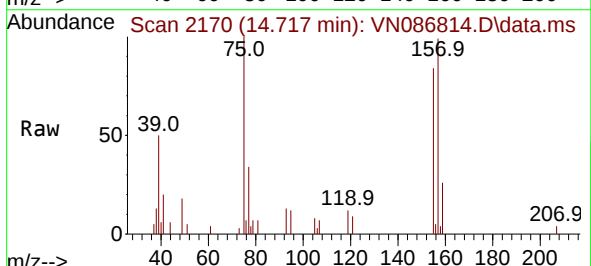
RT: 14.717 min Scan# 2170

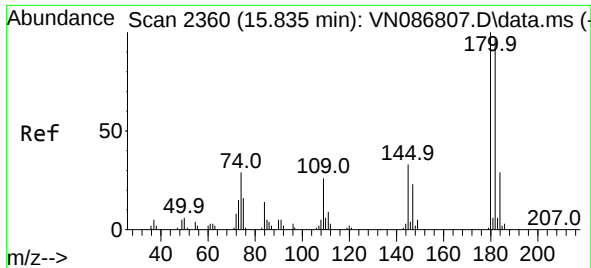
Delta R.T. 0.000 min

Lab File: VN086814.D

Acq: 29 May 2025 14:28

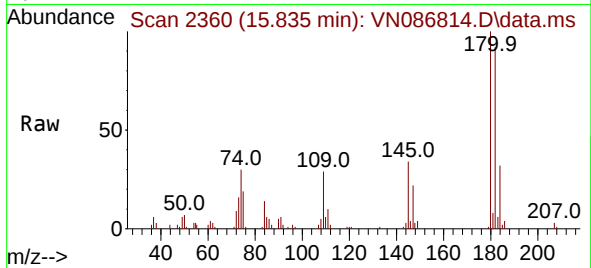
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 10606 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 81.3  | 62.9  | 94.3  |
| 157       | 100.2 | 84.0  | 126.0 |





#89  
1,2,4-Trichlorobenzene  
Concen: 19.087 ug/l  
RT: 15.835 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

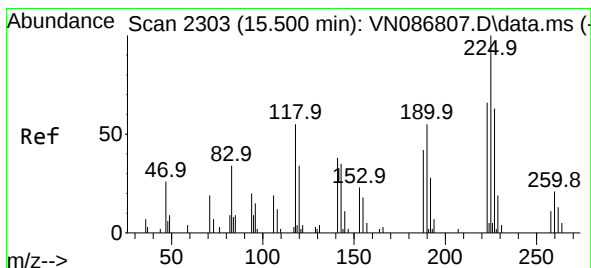
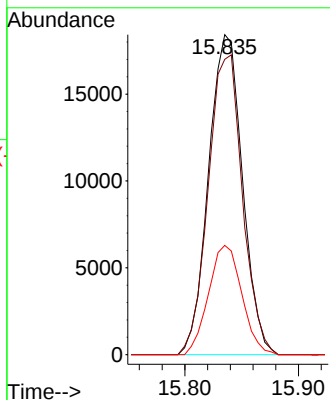
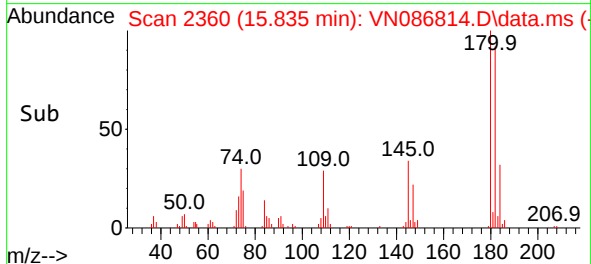
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion:180 Resp: 3813  
Ion Ratio Lower Upper  
180 100  
182 94.7 78.2 117.2  
145 33.6 28.0 42.0

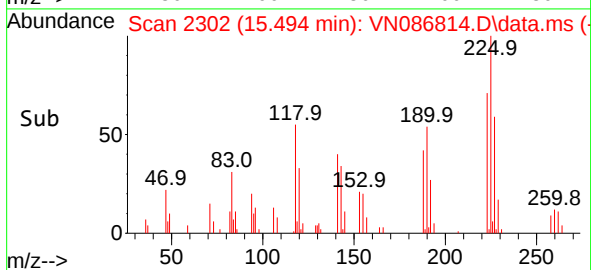
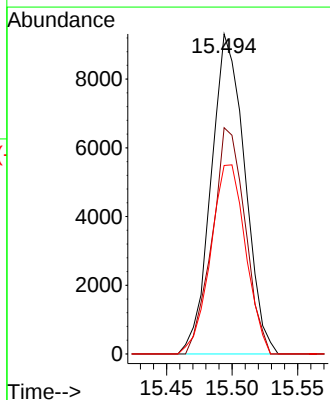
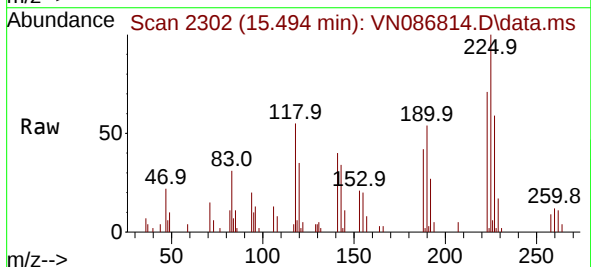
Manual Integrations  
APPROVED

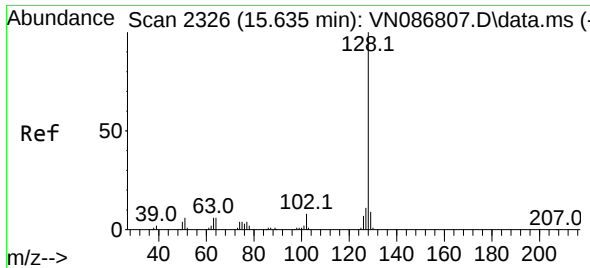
Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#90  
Hexachlorobutadiene  
Concen: 19.414 ug/l  
RT: 15.494 min Scan# 2302  
Delta R.T. -0.006 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

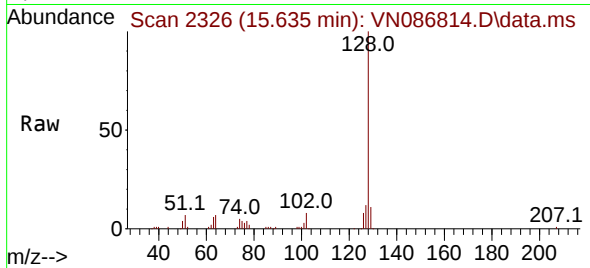
Tgt Ion:225 Resp: 16623  
Ion Ratio Lower Upper  
225 100  
223 68.9 0.0 135.8  
227 61.4 0.0 125.0





#91  
Naphthalene  
Concen: 18.486 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

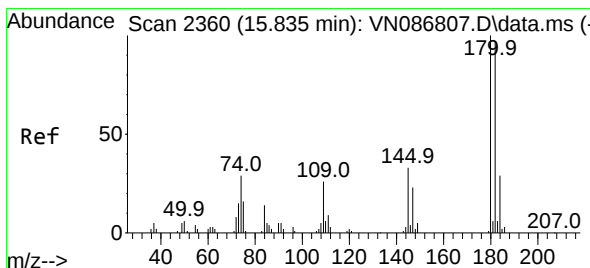
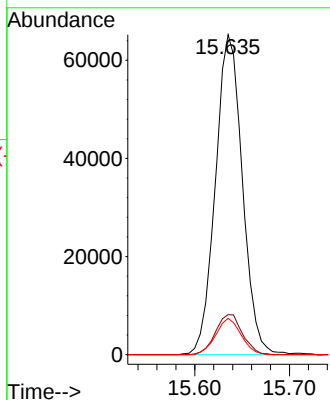
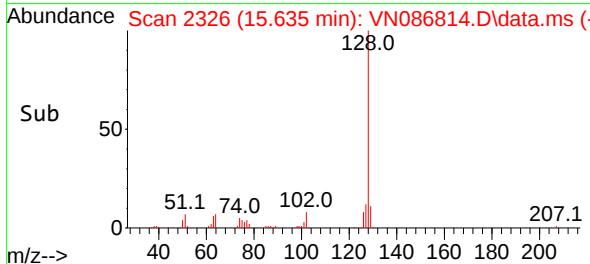
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529WBSD01



Tgt Ion:128 Resp: 128849  
Ion Ratio Lower Upper  
128 100  
127 12.6 9.8 14.6  
129 10.6 8.6 13.0

Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/30/2025  
Supervised By :Mahesh Dadoda 05/30/2025



#92  
1,2,3-Trichlorobenzene  
Concen: 19.087 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VN086814.D  
Acq: 29 May 2025 14:28

Tgt Ion:180 Resp: 38131  
Ion Ratio Lower Upper  
180 100  
182 94.7 0.0 195.4  
145 33.6 0.0 70.0

