

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080625\  
 Data File : VN087475.D  
 Acq On : 06 Aug 2025 12:35  
 Operator : JC\MD  
 Sample : Q2769-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 002-35TH-AVE(AUG)

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/07/2025  
 Supervised By : Mahesh Dadoda 08/07/2025

Quant Time: Aug 07 03:36:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N080525W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 06 02:01:21 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Bromochloromethane       | 7.800          | 128  | 76097      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.083          | 114  | 421418     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.847         | 117  | 373245     | 30.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.559          | 65   | 220626     | 31.434   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 110 |      | Recovery = | 104.767% |        |          |
| 60) 4-Bromofluorobenzene    | 12.829         | 95   | 176010     | 27.402   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 63 - 112 |      | Recovery = | 91.333%  |        |          |
| 63) Toluene-d8              | 10.547         | 98   | 511863     | 29.805   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 112 |      | Recovery = | 99.333%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        | Qvalue   |
| 15) Acetone                 | 4.430          | 58   | 20184m     | 21.034   | ug/l   |          |
| 25) Chloroform              | 7.953          | 83   | 262472     | 25.137   | ug/l   | 98       |
| 30) 2-Butanone              | 7.471          | 43   | 24159      | 4.768    | ug/l # | 76       |
| 41) Bromodichloromethane    | 9.871          | 83   | 21680      | 2.500    | ug/l   | 94       |
| 46) Methyl methacrylate     | 9.665          | 41   | 14920      | 1.905    | ug/l   | 84       |
| 58) 4-Methyl-2-Pentanone    | 10.430         | 43   | 9106m      | 0.948    | ug/l   |          |
| 62) Toluene                 | 10.612         | 91   | 462521     | 20.078   | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene  | 13.459         | 105  | 5782       | 0.287    | ug/l   | 90       |
| 82) p-Isopropyltoluene      | 13.712         | 119  | 8884       | 0.432    | ug/l   | 92       |
| -----                       |                |      |            |          |        |          |

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

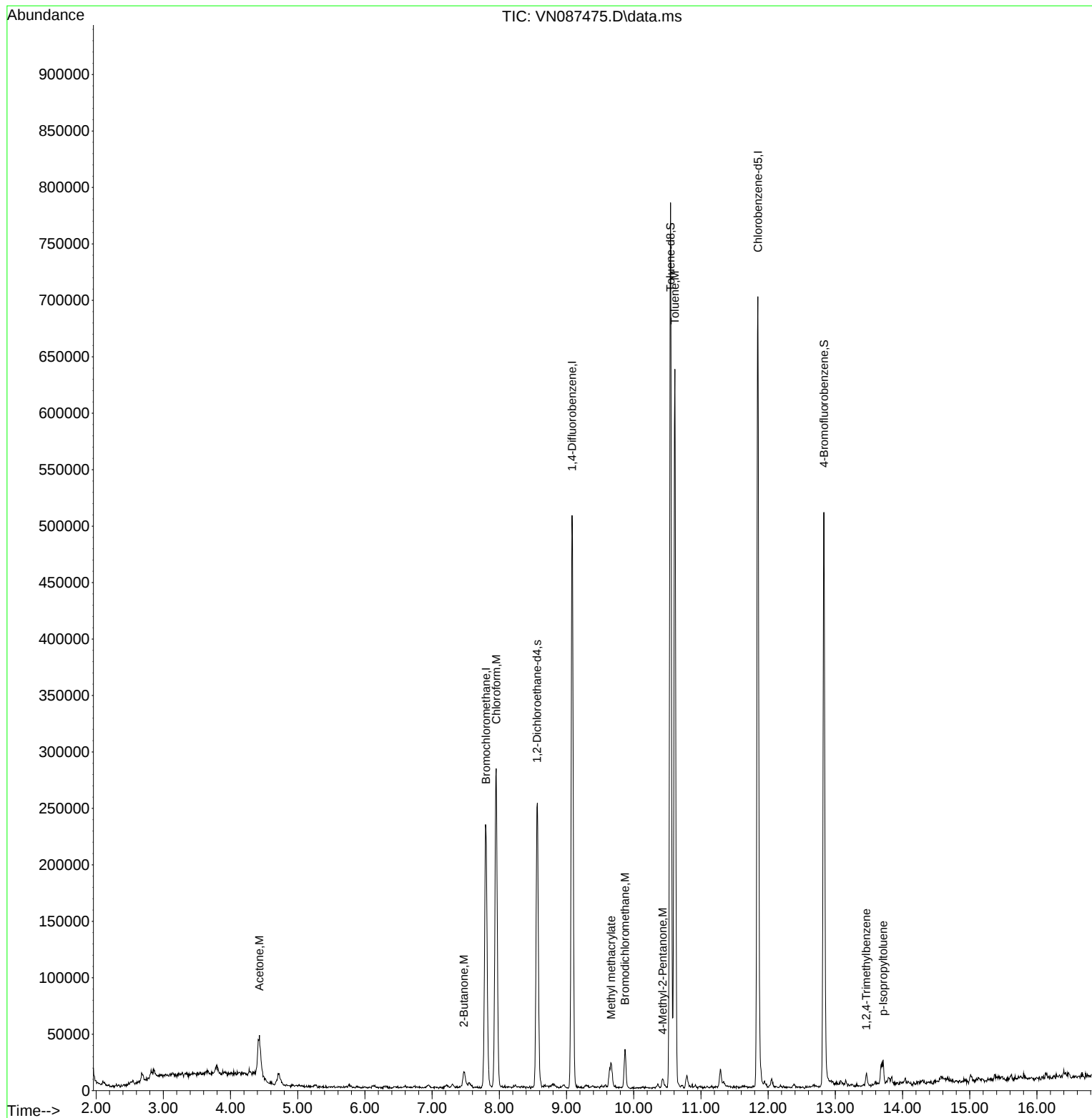
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080625\  
Data File : VN087475.D  
Acq On : 06 Aug 2025 12:35  
Operator : JC\MD  
Sample : Q2769-04  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

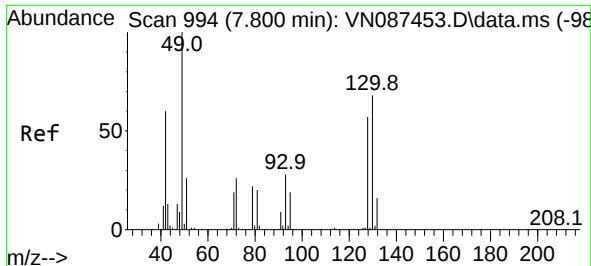
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(AUG)

Manual Integrations  
APPROVED

Reviewed By : John Carlone 08/07/2025  
Supervised By : Mahesh Dadoda 08/07/2025

Quant Time: Aug 07 03:36:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N080525W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Aug 06 02:01:21 2025  
Response via : Initial Calibration





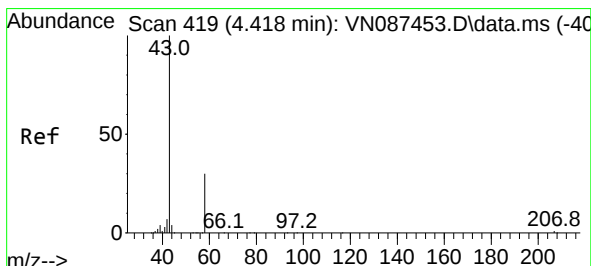
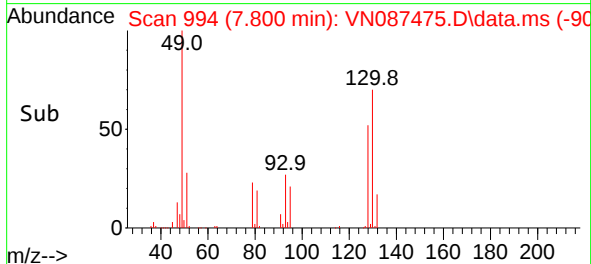
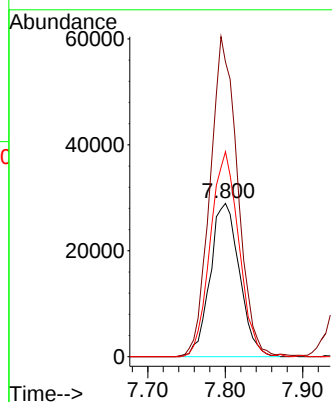
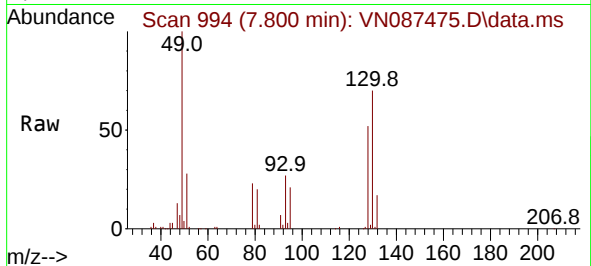
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.800 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(AUG)

Tgt Ion:128 Resp: 7609  
Ion Ratio Lower Upper  
128 100  
49 196.6 0.0 494.8  
130 130.1 0.0 321.5

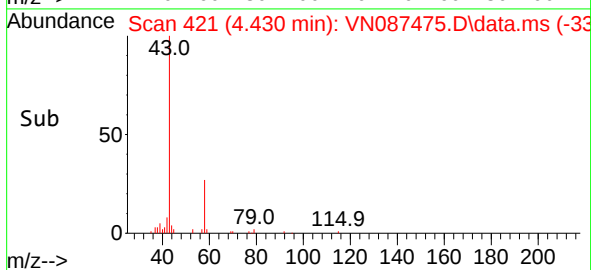
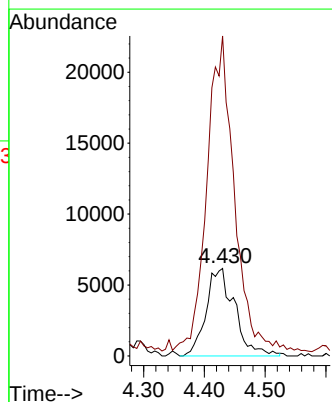
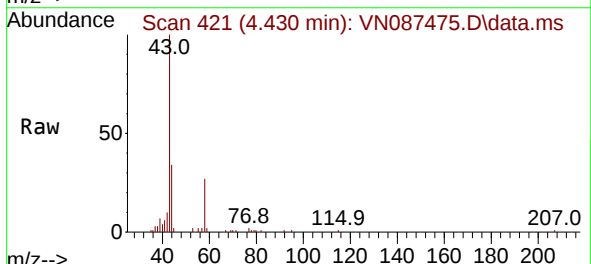
Manual Integrations  
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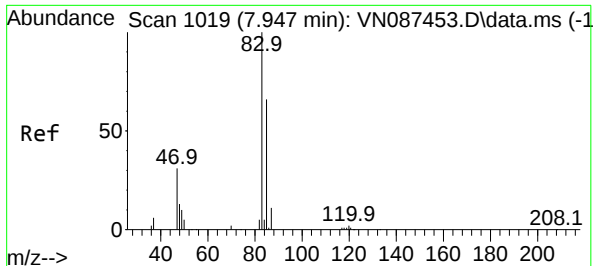
Reviewed By :John Carlone 08/07/2025  
Supervised By :Mahesh Dadoda 08/07/2025



#15  
Acetone  
Concen: 21.034 ug/l m  
RT: 4.430 min Scan# 421  
Delta R.T. 0.012 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35

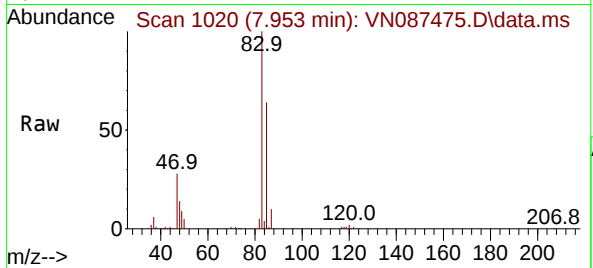
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Ion Ratio Lower Upper  
58 100  
43 365.5 268.9 403.3





#25  
Chloroform  
Concen: 25.137 ug/l  
RT: 7.953 min Scan# 1019  
Delta R.T. 0.006 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35

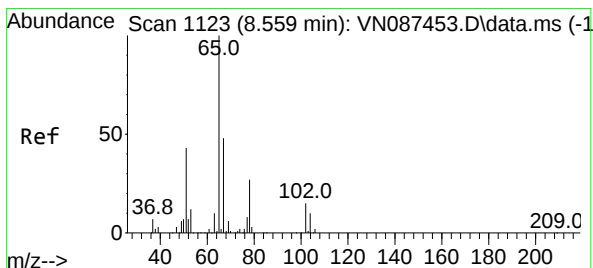
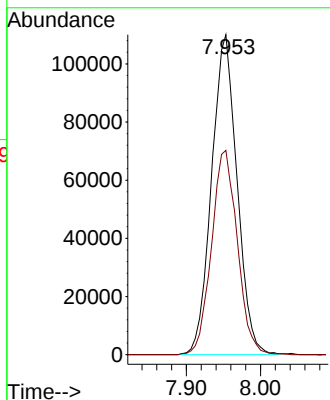
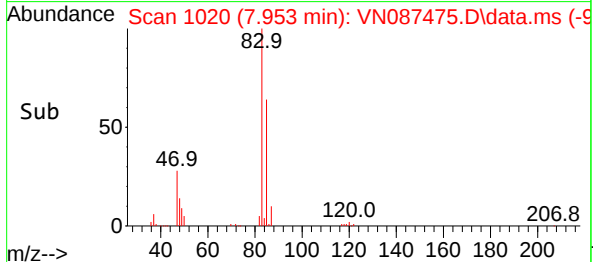
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(AUG)



Tgt Ion: 83 Resp: 262472  
Ion Ratio Lower Upper  
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85 63.9 52.6 78.8

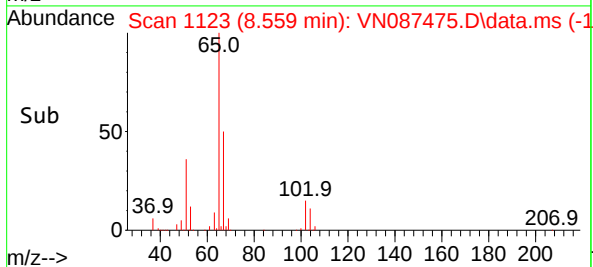
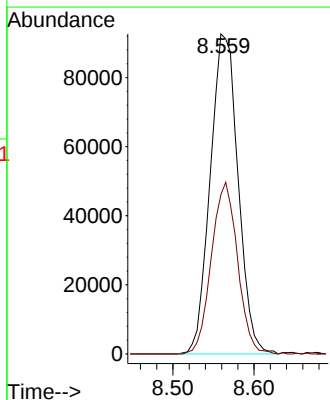
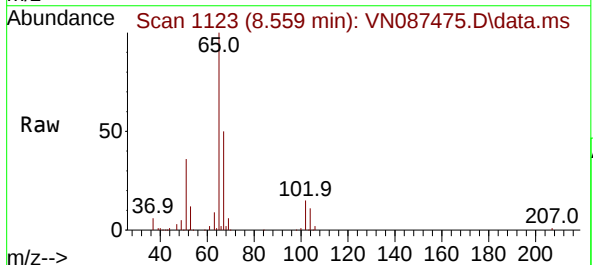
Manual Integrations  
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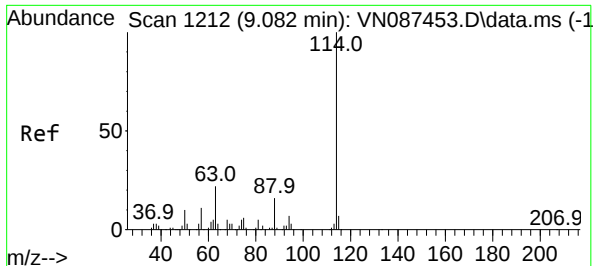
Reviewed By :John Carlone 08/07/2025  
Supervised By :Mahesh Dadoda 08/07/2025



#27  
1,2-Dichloroethane-d4  
Concen: 31.434 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35

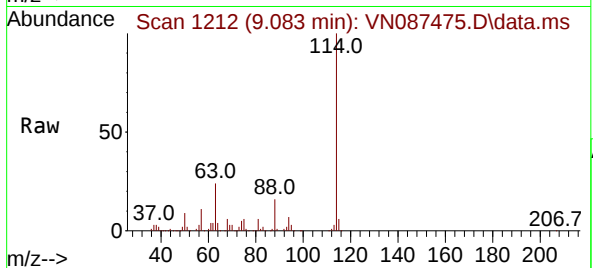
Tgt Ion: 65 Resp: 220626  
Ion Ratio Lower Upper  
65 100  
67 50.3 40.8 61.2





#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.083 min Scan# 114  
Delta R.T. 0.000 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35

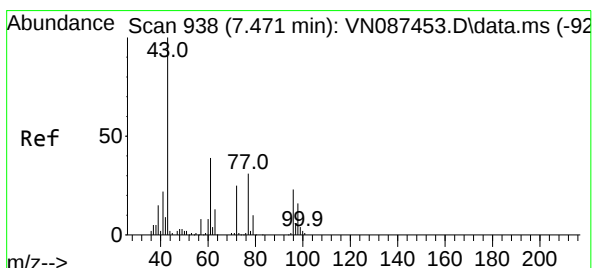
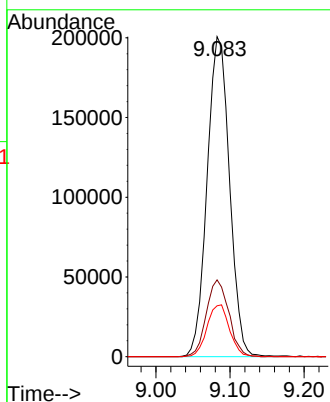
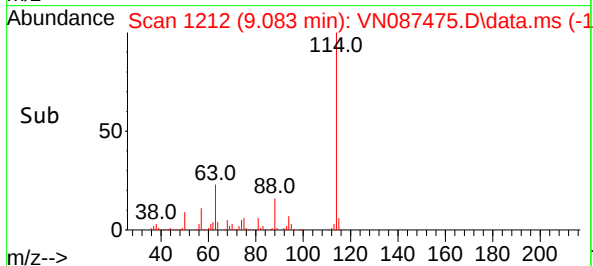
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(AUG)



Tgt Ion:114 Resp: 421418  
Ion Ratio Lower Upper  
114 100  
63 24.1 18.9 28.3  
88 16.2 13.1 19.7

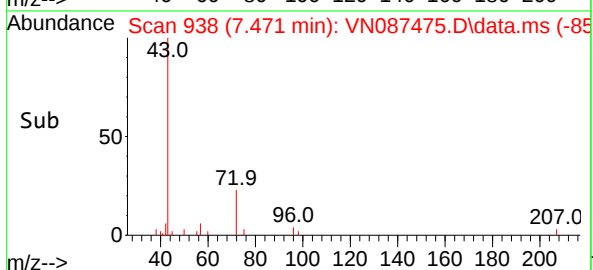
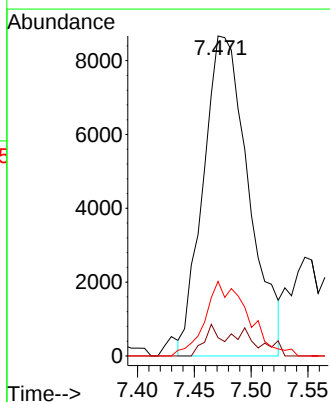
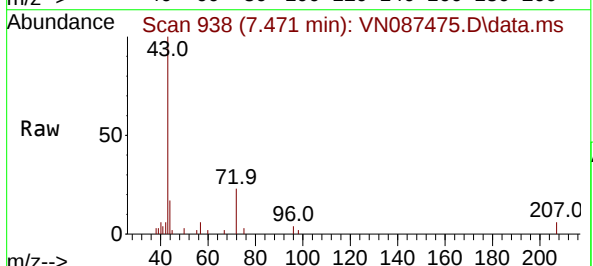
Manual Integrations  
APPROVED

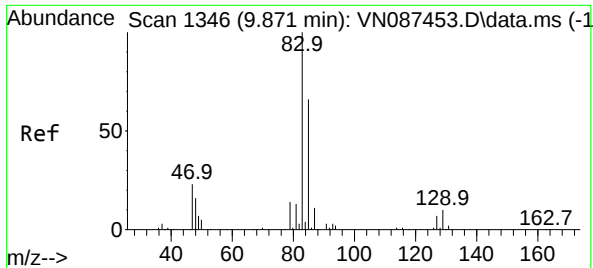
Reviewed By :John Carlone 08/07/2025  
Supervised By :Mahesh Dadoda 08/07/2025



#30  
2-Butanone  
Concen: 4.768 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. 0.000 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35

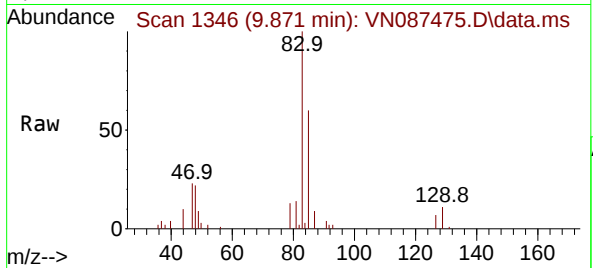
Tgt Ion: 43 Resp: 24159  
Ion Ratio Lower Upper  
43 100  
57 3.5 6.6 9.8#  
72 10.7 19.7 29.5#





#41  
Bromodichloromethane  
Concen: 2.500 ug/l  
RT: 9.871 min Scan# 1346  
Delta R.T. 0.000 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35

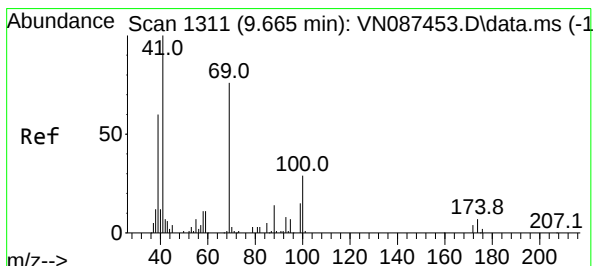
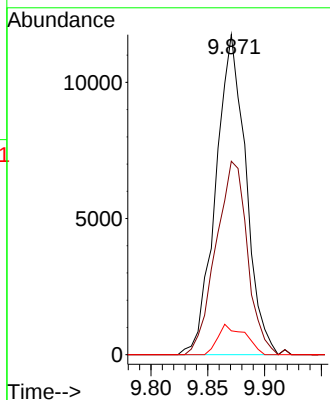
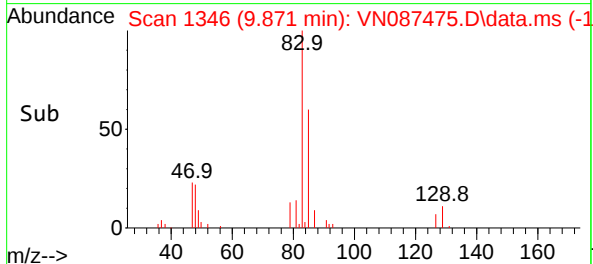
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(AUG)



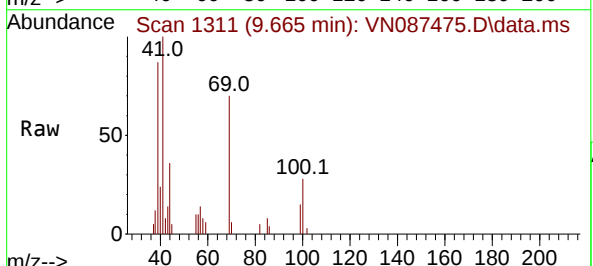
Tgt Ion: 83 Resp: 21680  
Ion Ratio Lower Upper  
83 100  
85 60.5 52.9 79.3  
127 7.4 5.8 8.6

Manual Integrations  
APPROVED

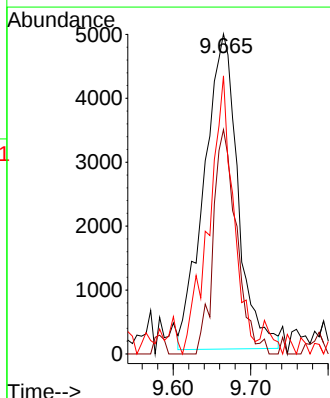
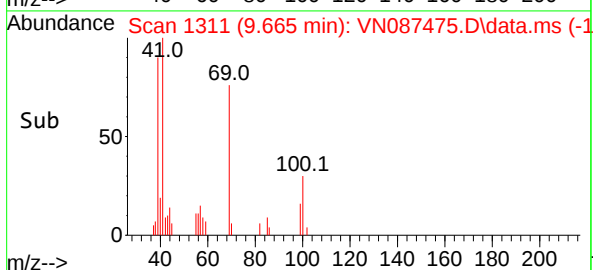
Reviewed By :John Carlone 08/07/2025  
Supervised By :Mahesh Dadoda 08/07/2025

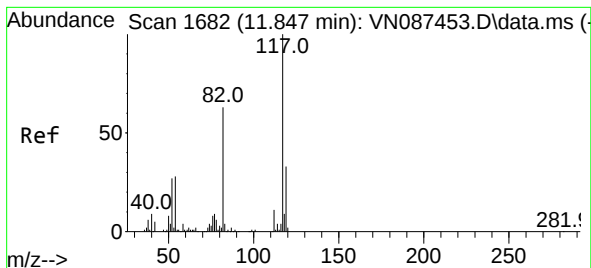


#46  
Methyl methacrylate  
Concen: 1.905 ug/l  
RT: 9.665 min Scan# 1311  
Delta R.T. 0.000 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35



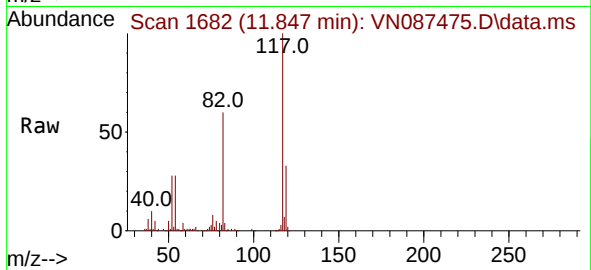
Tgt Ion: 41 Resp: 14920  
Ion Ratio Lower Upper  
41 100  
69 74.3 37.1 111.5  
39 88.1 30.7 92.1





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.847 min Scan# 1182  
Delta R.T. 0.000 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35

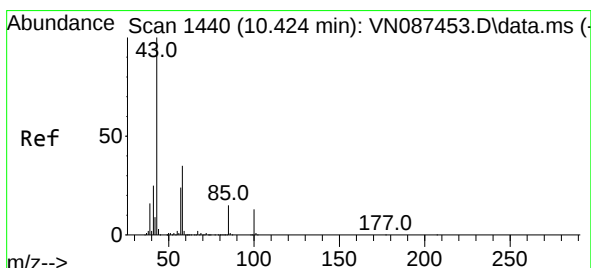
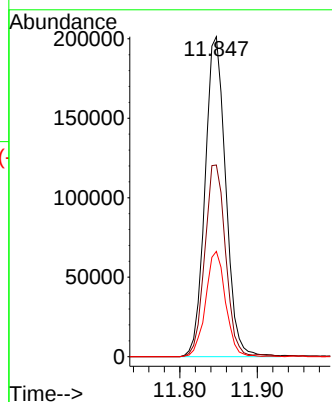
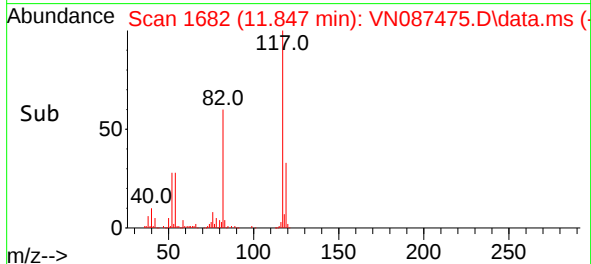
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(AUG)



Tgt Ion: 117 Resp: 373245  
Ion Ratio Lower Upper  
117 100  
82 60.0 49.2 73.8  
119 31.7 25.7 38.5

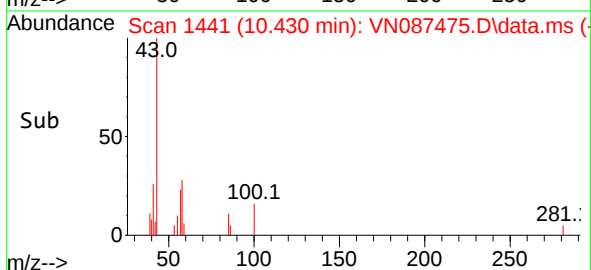
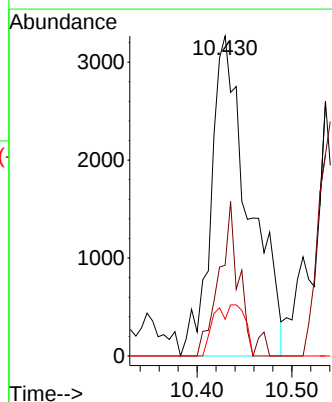
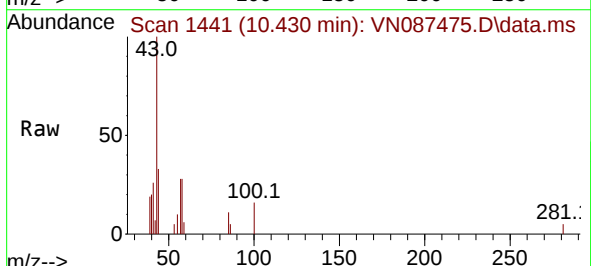
Manual Integrations  
APPROVED

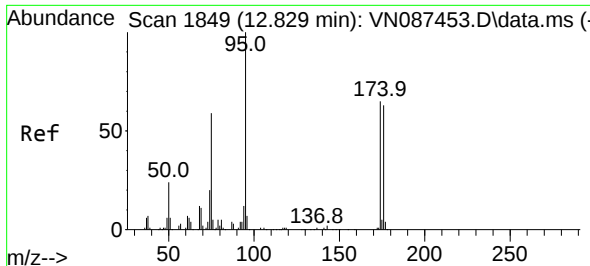
Reviewed By :John Carlone 08/07/2025  
Supervised By :Mahesh Dadoda 08/07/2025



#58  
4-Methyl-2-Pentanone  
Concen: 0.948 ug/l m  
RT: 10.430 min Scan# 1441  
Delta R.T. 0.006 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35

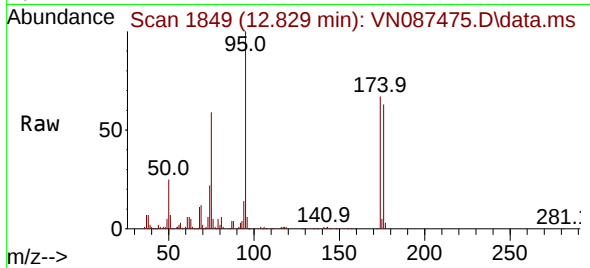
Tgt Ion: 43 Resp: 9106  
Ion Ratio Lower Upper  
43 100  
58 24.4 29.0 43.6#  
85 7.1 12.7 19.1#





#60  
4-Bromofluorobenzene  
Concen: 27.402 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35

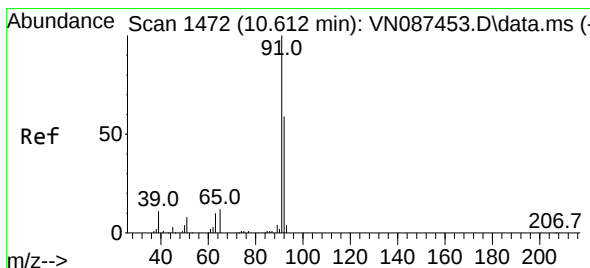
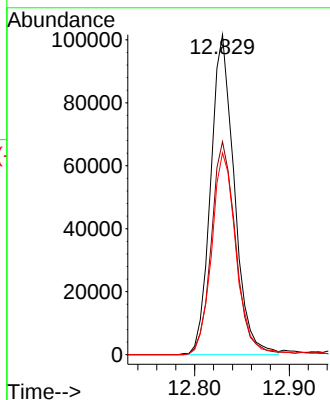
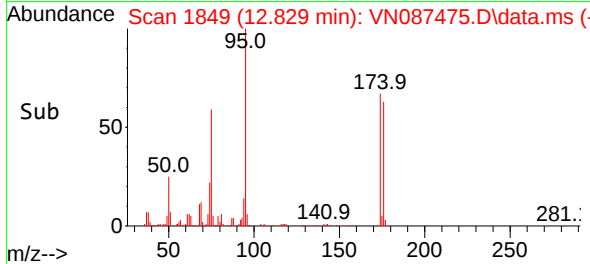
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(AUG)



Tgt Ion: 95 Resp: 176010  
Ion Ratio Lower Upper  
95 100  
174 68.8 52.3 78.5  
176 65.6 49.8 74.8

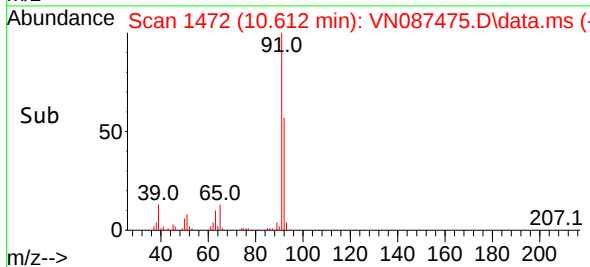
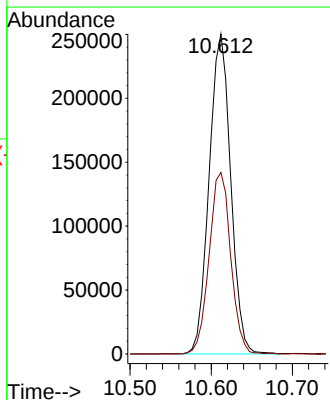
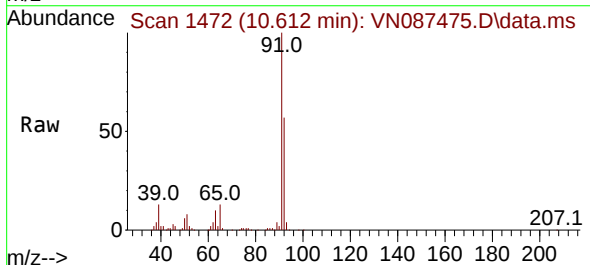
Manual Integrations  
APPROVED

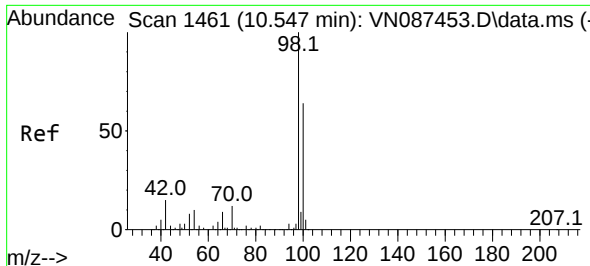
Reviewed By :John Carlone 08/07/2025  
Supervised By :Mahesh Dadoda 08/07/2025



#62  
Toluene  
Concen: 20.078 ug/l  
RT: 10.612 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35

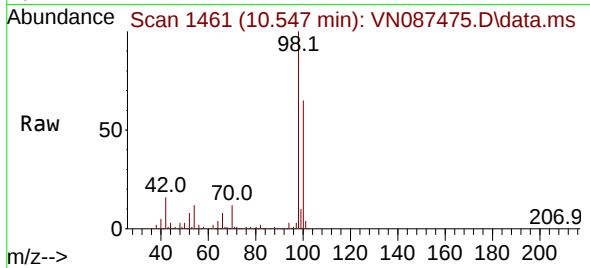
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Ion Ratio Lower Upper  
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92 56.6 45.8 68.6





#63  
Toluene-d8  
Concen: 29.805 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35

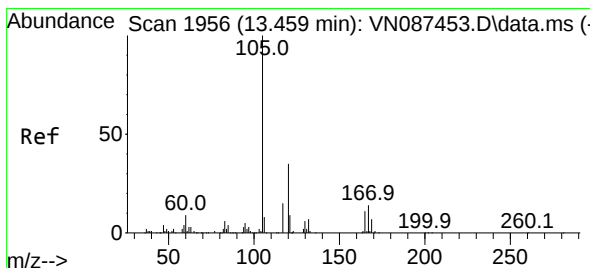
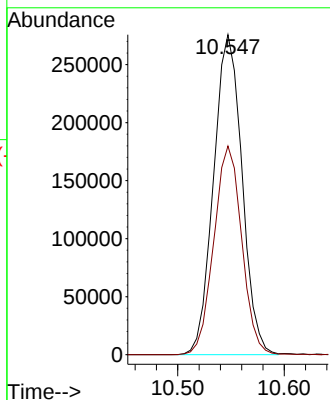
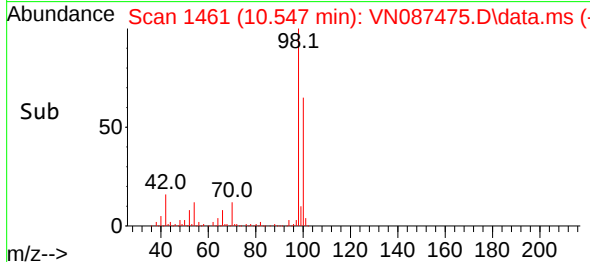
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(AUG)



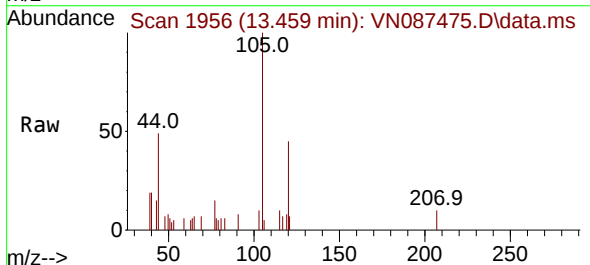
Tgt Ion: 98 Resp: 51186  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.5 75.7

Manual Integrations  
APPROVED

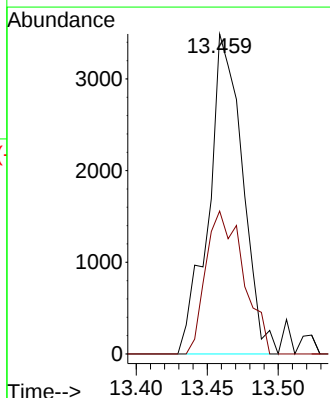
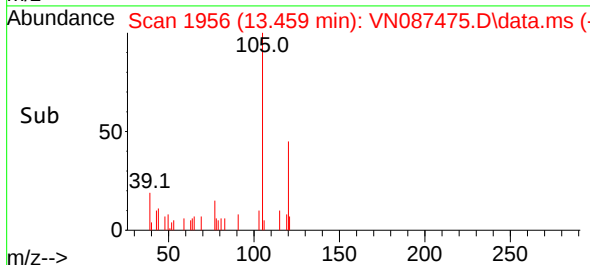
Reviewed By :John Carlone 08/07/2025  
Supervised By :Mahesh Dadoda 08/07/2025

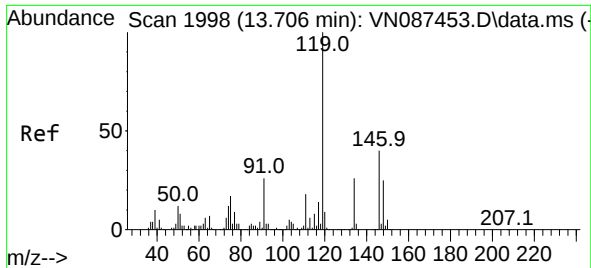


#80  
1,2,4-Trimethylbenzene  
Concen: 0.287 ug/l  
RT: 13.459 min Scan# 1956  
Delta R.T. 0.000 min  
Lab File: VN087475.D  
Acq: 06 Aug 2025 12:35



Tgt Ion:105 Resp: 5782  
Ion Ratio Lower Upper  
105 100  
120 49.9 0.0 87.2





#82

p-Isopropyltoluene

Concen: 0.432 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.006 min

Lab File: VN087475.D

Acq: 06 Aug 2025 12:35

Instrument :

MSVOA\_N

ClientSampleId :

002-35TH-AVE(AUG)

Tgt Ion:119 Resp: 8884

Ion Ratio Lower Upper

119 100

134 26.6 0.0 51.4

91 33.1 0.0 52.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/07/2025

Supervised By :Mahesh Dadoda 08/07/2025

