

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087426.D  
 Acq On : 28 Jul 2025 12:27  
 Operator : JC\MD  
 Sample : VN0728WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0728WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/28/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 13:26:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Bromochloromethane        | 7.794          | 128  | 87324               | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.083          | 114  | 492311              | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.847         | 117  | 430169              | 30.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.565          | 65   | 200986              | 30.099  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 100.333% |         |        |          |
| 60) 4-Bromofluorobenzene     | 12.829         | 95   | 207570              | 29.384  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 97.933%  |         |        |          |
| 63) Toluene-d8               | 10.547         | 98   | 601134              | 30.429  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 101.433% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 91454               | 17.950  | ug/l   | 89       |
| 3) Chloromethane             | 2.383          | 50   | 100154              | 18.518  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.542          | 62   | 101257              | 18.504  | ug/l   | 99       |
| 5) Bromomethane              | 2.977          | 94   | 50703               | 19.001  | ug/l   | 99       |
| 6) Chloroethane              | 3.142          | 64   | 56200               | 18.209  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.506          | 101  | 128329              | 18.640  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.965          | 74   | 53324               | 18.558  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 71235               | 18.968  | ug/l   | 97       |
| 10) 1,1-Dichloroethene       | 4.330          | 96   | 72950               | 19.527  | ug/l   | 92       |
| 11) Methyl Iodide            | 4.583          | 142  | 55255               | 16.335  | ug/l   | 95       |
| 12) Methyl Acetate           | 5.012          | 43   | 147594              | 18.120  | ug/l   | 99       |
| 13) Acrolein                 | 4.177          | 56   | 68059               | 102.452 | ug/l   | 96       |
| 14) Acrylonitrile            | 5.712          | 53   | 323261              | 91.523  | ug/l   | 99       |
| 15) Acetone                  | 4.424          | 58   | 73121               | 89.322  | ug/l   | 93       |
| 16) Carbon Disulfide         | 4.706          | 76   | 241838              | 18.216  | ug/l   | 98       |
| 17) Allyl chloride           | 5.006          | 41   | 150530              | 17.294  | ug/l   | 97       |
| 18) Methylene Chloride       | 5.265          | 84   | 99492               | 17.690  | ug/l   | 92       |
| 19) trans-1,2-Dichloroethene | 5.777          | 96   | 94194               | 17.748  | ug/l   | 98       |
| 20) Diisopropyl ether        | 6.659          | 45   | 368991              | 18.632  | ug/l   | 99       |
| 21) 1,1-Dichloroethane       | 6.553          | 63   | 181537              | 18.086  | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 7.471          | 96   | 114166              | 17.699  | ug/l   | 100      |
| 23) tert-Butyl Alcohol       | 5.530          | 59   | 126852              | 92.659  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.795          | 73   | 337583              | 18.214  | ug/l   | 97       |
| 25) Chloroform               | 7.953          | 83   | 182530              | 18.012  | ug/l   | 98       |
| 26) Cyclohexane              | 8.241          | 56   | 168041              | 18.127  | ug/l # | 95       |
| 29) 1,1-Dichloropropene      | 8.353          | 75   | 127677              | 18.269  | ug/l   | 98       |
| 30) 2-Butanone               | 7.477          | 43   | 469196              | 92.662  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.477          | 77   | 157108              | 18.041  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 151041              | 17.980  | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 8.341          | 117  | 123551              | 17.836  | ug/l   | 98       |
| 34) Benzene                  | 8.588          | 78   | 409685              | 17.923  | ug/l   | 99       |
| 35) Methacrylonitrile        | 7.765          | 41   | 100468              | 17.321  | ug/l   | 96       |
| 36) 1,2-Dichloroethane       | 8.653          | 62   | 135618              | 17.827  | ug/l # | 93       |
| 37) Trichloroethene          | 9.335          | 130  | 93135               | 17.849  | ug/l   | 94       |
| 38) Methylcyclohexane        | 9.583          | 83   | 161359              | 17.901  | ug/l   | 100      |
| 39) 1,2-Dichloropropane      | 9.600          | 63   | 103126              | 17.920  | ug/l   | 96       |
| 40) Dibromomethane           | 9.694          | 93   | 72281               | 17.706  | ug/l   | 99       |
| 41) Bromodichloromethane     | 9.871          | 83   | 148476              | 18.071  | ug/l   | 94       |
| 42) Vinyl Acetate            | 6.594          | 43   | 1519689             | 89.182  | ug/l   | 100      |

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 Sample : VN0728WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0728WBS01

Manual Integrations  
 APPROVED

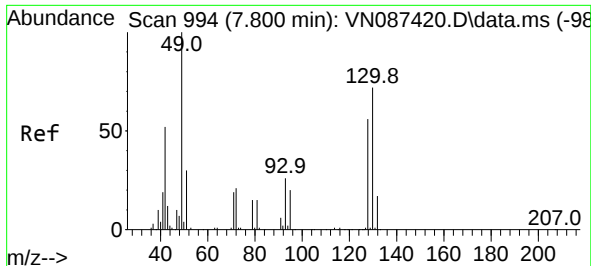
Reviewed By : John Carlone 07/28/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 13:26:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.547  | 43   | 185584   | 17.879  | ug/l # | 64       |
| 44) Isopropyl Acetate         | 8.677  | 43   | 305680   | 18.433  | ug/l   | 97       |
| 45) 1,4-Dioxane               | 9.682  | 88   | 38982    | 370.493 | ug/l   | 98       |
| 46) Methyl methacrylate       | 9.665  | 41   | 138077   | 17.882  | ug/l   | 98       |
| 47) n-amyl Acetate            | 12.524 | 43   | 137720m  | 20.144  | ug/l   |          |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 164427   | 17.777  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 176696   | 18.190  | ug/l   | 96       |
| 50) 1,1,2-Trichloroethane     | 11.000 | 97   | 97314    | 17.908  | ug/l   | 98       |
| 51) Ethyl methacrylate        | 10.859 | 69   | 175363   | 17.820  | ug/l   | 96       |
| 52) 1,3-Dichloropropane       | 11.141 | 76   | 172596   | 18.378  | ug/l   | 97       |
| 53) Dibromochloromethane      | 11.335 | 129  | 109237   | 17.526  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 101930   | 17.827  | ug/l   | 97       |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 455334   | 112.534 | ug/l   | 99       |
| 56) Bromoform                 | 12.559 | 173  | 75474    | 17.255  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.430 | 43   | 914849   | 94.417  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.182 | 43   | 600451   | 89.422  | ug/l   | 99       |
| 61) Tetrachloroethene         | 11.088 | 164  | 73261    | 17.938  | ug/l   | 96       |
| 62) Toluene                   | 10.612 | 91   | 437376   | 18.016  | ug/l   | 99       |
| 64) Chlorobenzene             | 11.871 | 112  | 265566   | 17.788  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 90831    | 17.942  | ug/l   | 97       |
| 66) Ethyl Benzene             | 11.941 | 91   | 484939   | 18.283  | ug/l   | 100      |
| 67) m/p-Xylenes               | 12.053 | 106  | 363461   | 36.571  | ug/l   | 98       |
| 68) o-Xylene                  | 12.376 | 106  | 179912   | 18.499  | ug/l   | 99       |
| 69) Styrene                   | 12.394 | 104  | 296611   | 17.830  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.676 | 105  | 450449   | 18.035  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 154867   | 18.184  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane    | 12.971 | 75   | 133853m  | 17.278  | ug/l   |          |
| 73) Bromobenzene              | 12.965 | 156  | 106415   | 18.338  | ug/l   | 95       |
| 74) n-propylbenzene           | 13.018 | 91   | 564224   | 18.297  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 328063   | 17.926  | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 371990   | 17.978  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.718 | 75   | 54046    | 16.441  | ug/l   | 98       |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 342077   | 18.203  | ug/l   | 100      |
| 79) tert-butylbenzene         | 13.418 | 119  | 328750   | 18.392  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.465 | 105  | 378959   | 18.457  | ug/l   | 98       |
| 81) sec-Butylbenzene          | 13.594 | 105  | 486984   | 18.341  | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 404782   | 18.783  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 204168   | 18.591  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.794 | 146  | 203414   | 17.712  | ug/l   | 96       |
| 85) n-Butylbenzene            | 14.035 | 91   | 402107   | 18.527  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.312 | 117  | 77797    | 17.774  | ug/l   | 99       |
| 87) 1,2-Dichlorobenzene       | 14.088 | 146  | 196495   | 18.405  | ug/l   | 97       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 35569    | 18.094  | ug/l   | 96       |
| 89) 1,2,4-Trichlorobenzene    | 15.812 | 180  | 115539   | 17.744  | ug/l   | 97       |
| 90) Hexachlorobutadiene       | 15.476 | 225  | 46680    | 18.829  | ug/l   | 97       |
| 91) Naphthalene               | 15.617 | 128  | 452703   | 18.395  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 115539   | 17.744  | ug/l   | 97       |

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





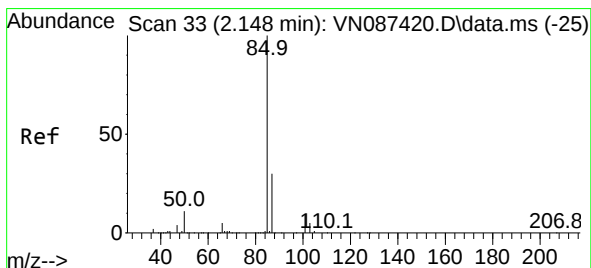
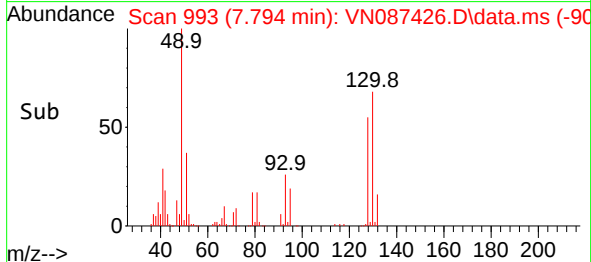
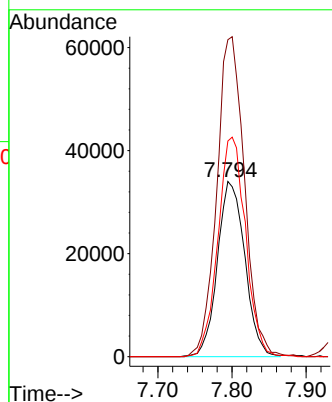
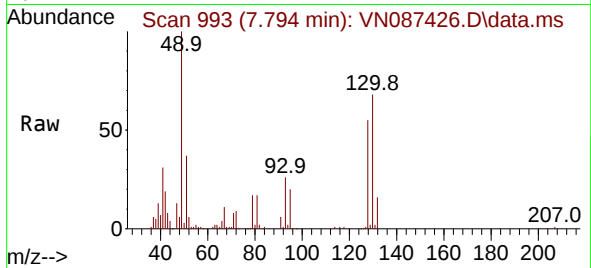
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.794 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01

Tgt Ion:128 Resp: 87324  
Ion Ratio Lower Upper  
128 100  
49 184.4 0.0 457.3  
130 126.3 0.0 316.0

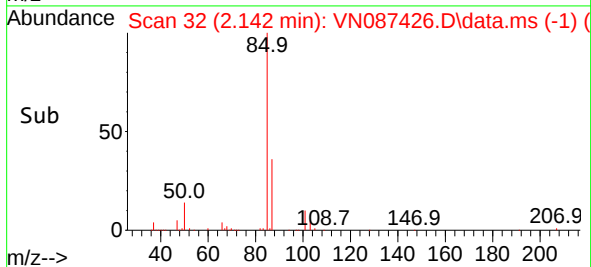
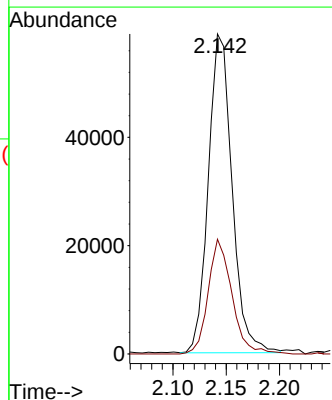
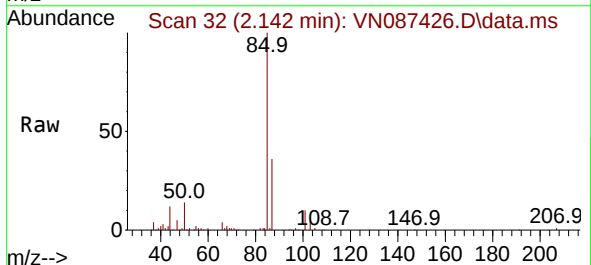
Manual Integrations  
APPROVED

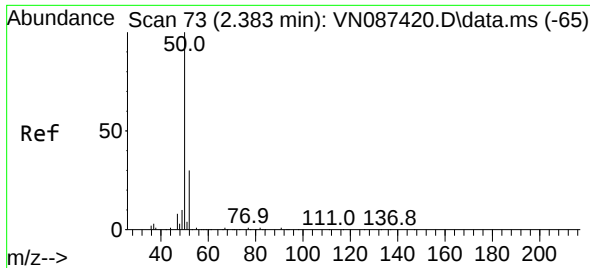
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#2  
Dichlorodifluoromethane  
Concen: 17.950 ug/l  
RT: 2.142 min Scan# 32  
Delta R.T. -0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Tgt Ion: 85 Resp: 91454  
Ion Ratio Lower Upper  
85 100  
87 36.0 15.0 45.1





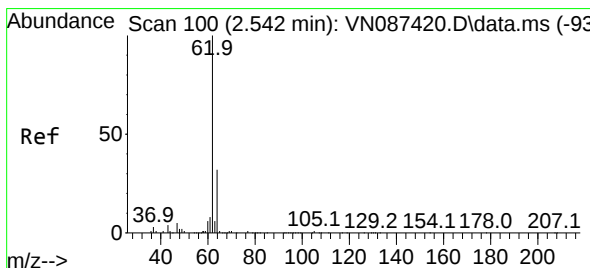
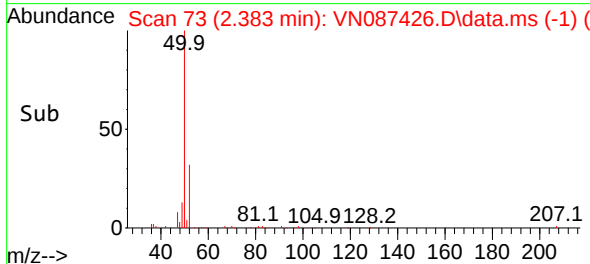
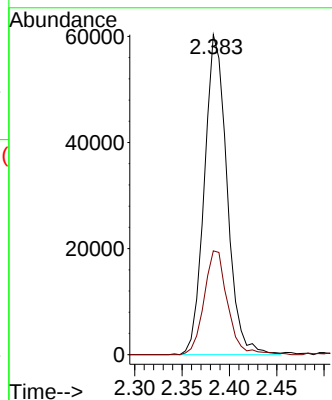
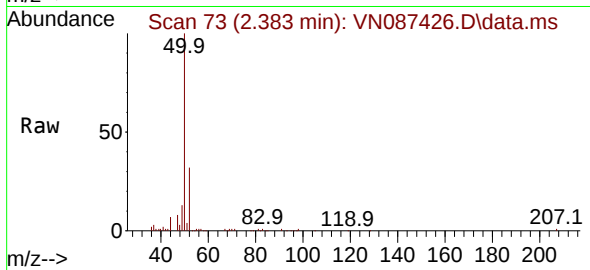
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Chloromethane  
Concen: 18.518 ug/l  
RT: 2.383 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01

Tgt Ion: 50 Resp: 100154  
Ion Ratio Lower Upper  
50 100  
52 32.5 24.3 36.5

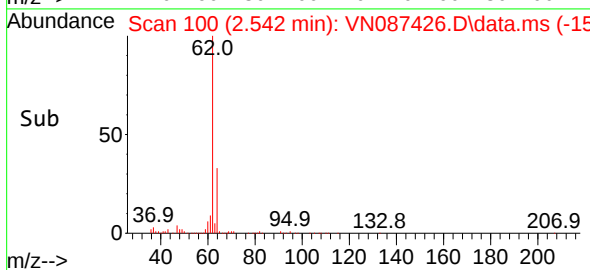
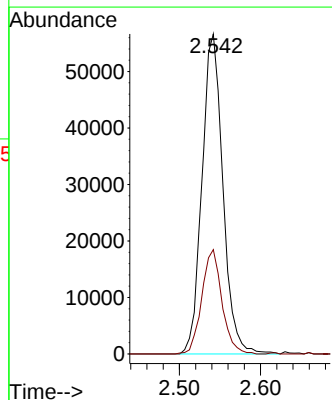
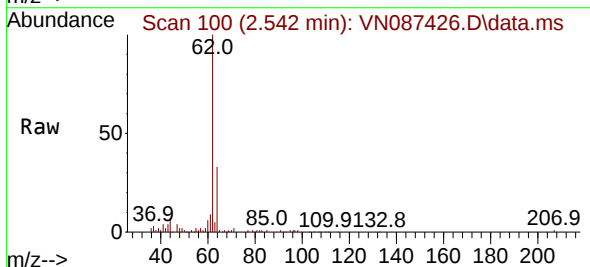
Manual Integrations  
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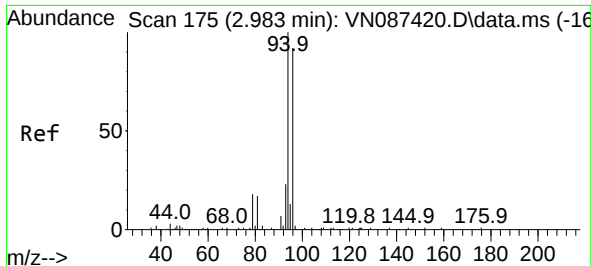
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#4  
Vinyl Chloride  
Concen: 18.504 ug/l  
RT: 2.542 min Scan# 100  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Tgt Ion: 62 Resp: 101257  
Ion Ratio Lower Upper  
62 100  
64 32.6 25.6 38.4





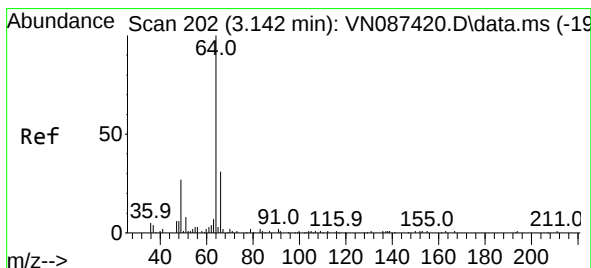
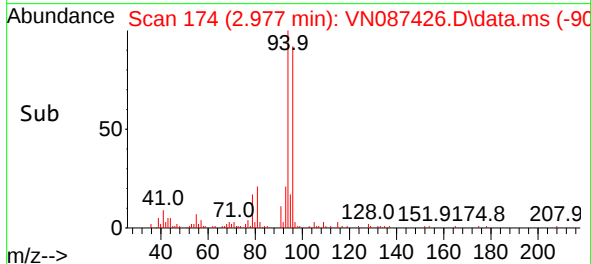
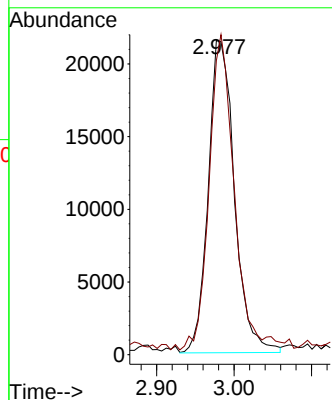
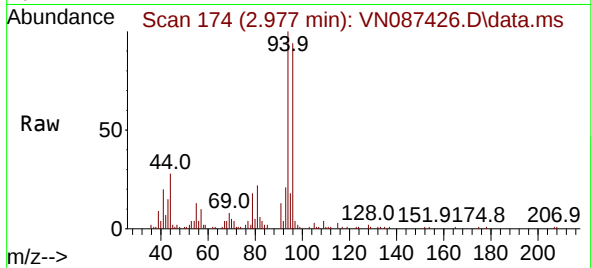
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Bromomethane  
Concen: 19.001 ug/l  
RT: 2.977 min Scan# 174  
Delta R.T. -0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01

Tgt Ion: 94 Resp: 5070  
Ion Ratio Lower Upper  
94 100  
96 92.8 73.2 109.8

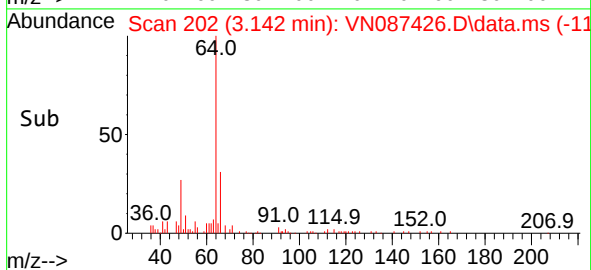
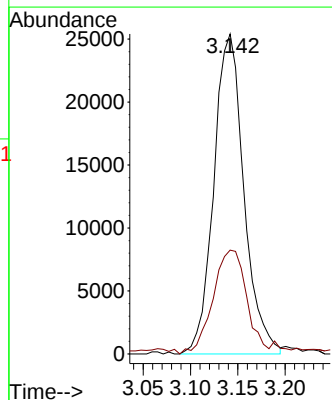
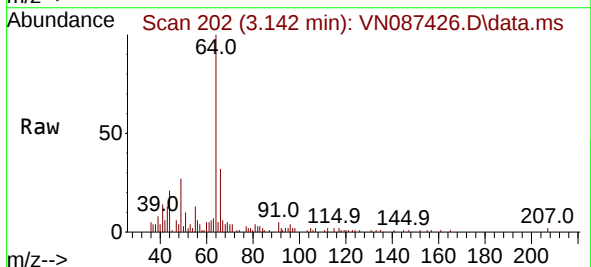
Manual Integrations  
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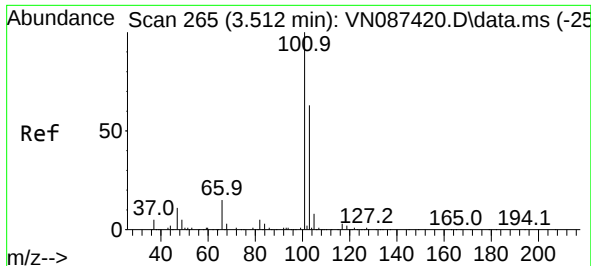
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#6  
Chloroethane  
Concen: 18.209 ug/l  
RT: 3.142 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

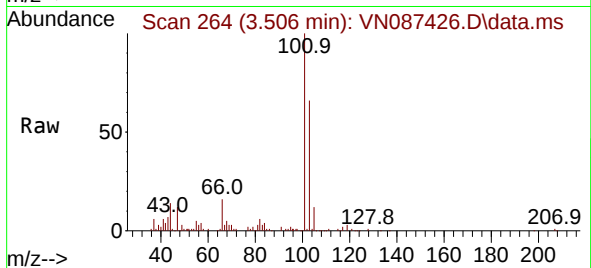
Tgt Ion: 64 Resp: 56200  
Ion Ratio Lower Upper  
64 100  
66 32.5 25.6 38.4





#7  
 Trichlorofluoromethane  
 Concen: 18.640 ug/l  
 RT: 3.506 min Scan# 265  
 Delta R.T. -0.006 min  
 Lab File: VN087426.D  
 Acq: 28 Jul 2025 12:27

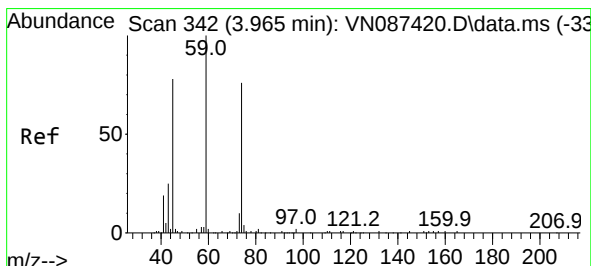
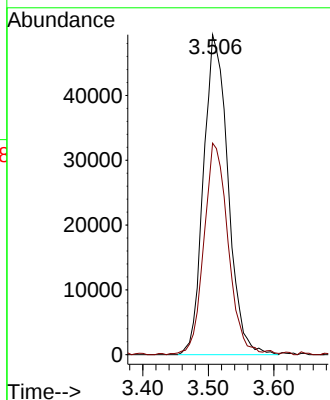
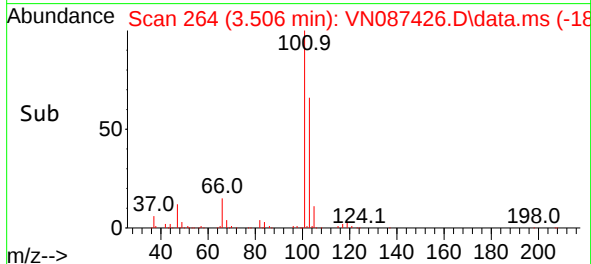
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0728WBS01



Tgt Ion:101 Resp: 128329  
 Ion Ratio Lower Upper  
 101 100  
 103 65.7 50.0 75.0

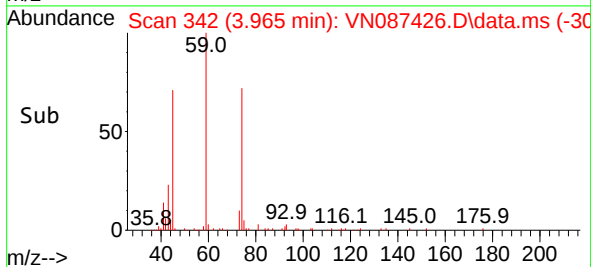
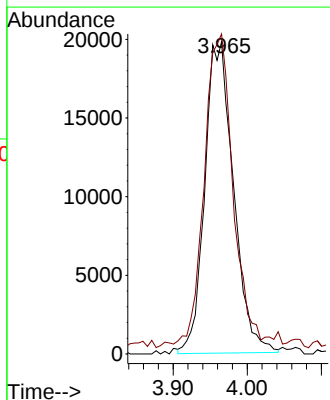
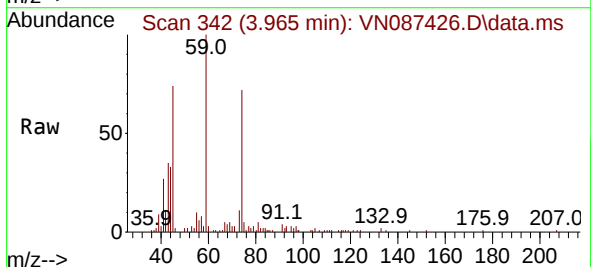
Manual Integrations  
 APPROVED

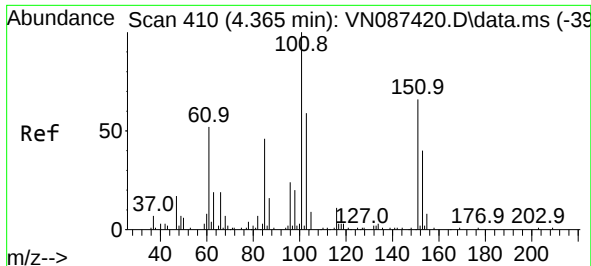
Reviewed By :John Carlone 07/28/2025  
 Supervised By :Mahesh Dadoda 07/29/2025



#8  
 Diethyl Ether  
 Concen: 18.558 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. 0.000 min  
 Lab File: VN087426.D  
 Acq: 28 Jul 2025 12:27

Tgt Ion: 74 Resp: 53324  
 Ion Ratio Lower Upper  
 74 100  
 45 100.0 20.2 181.4





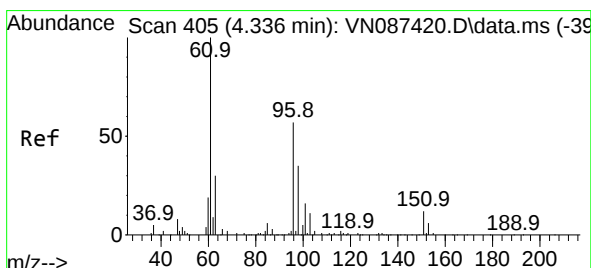
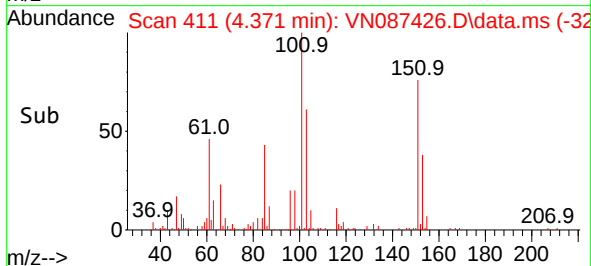
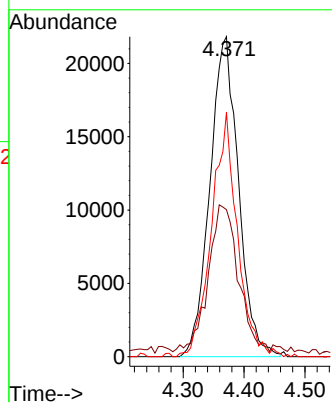
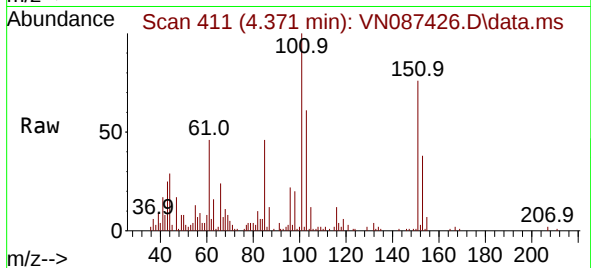
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 18.968 ug/l  
 RT: 4.371 min Scan# 410  
 Delta R.T. 0.006 min  
 Lab File: VN087426.D  
 Acq: 28 Jul 2025 12:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0728WBS01

Tgt Ion:101 Resp: 71235  
 Ion Ratio Lower Upper  
 101 100  
 85 49.0 0.0 101.2  
 151 67.5 0.0 140.6

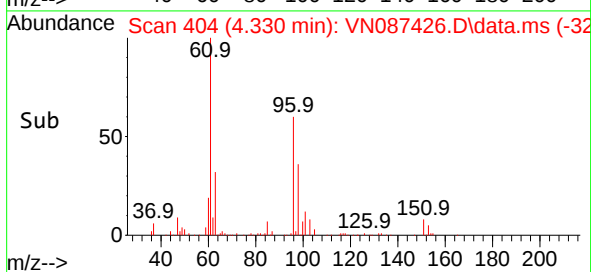
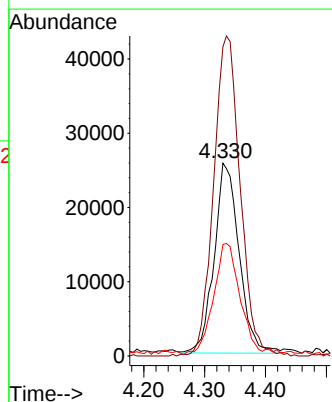
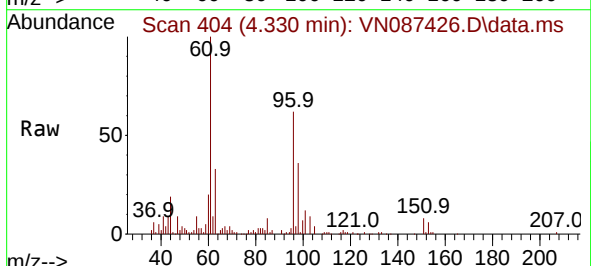
Manual Integrations  
 APPROVED

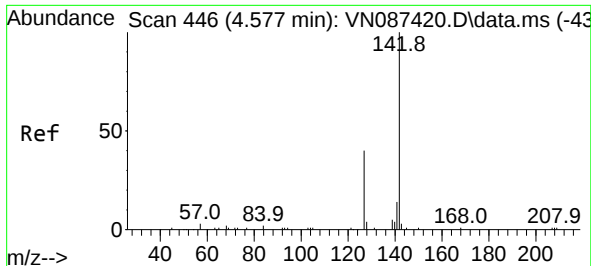
Reviewed By :John Carlone 07/28/2025  
 Supervised By :Mahesh Dadoda 07/29/2025



#10  
 1,1-Dichloroethene  
 Concen: 19.527 ug/l  
 RT: 4.330 min Scan# 404  
 Delta R.T. -0.006 min  
 Lab File: VN087426.D  
 Acq: 28 Jul 2025 12:27

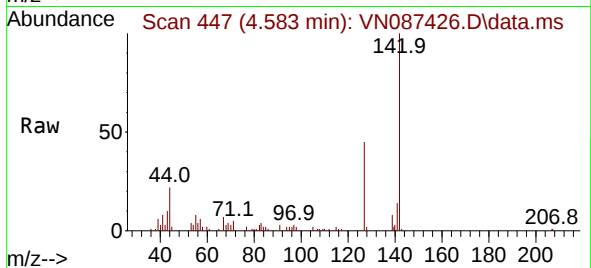
Tgt Ion: 96 Resp: 72950  
 Ion Ratio Lower Upper  
 96 100  
 61 163.0 140.4 210.6  
 98 57.3 49.6 74.4





#11  
Methyl Iodide  
Concen: 16.335 ug/l  
RT: 4.583 min Scan# 446  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

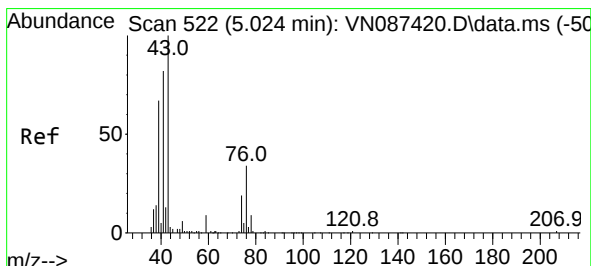
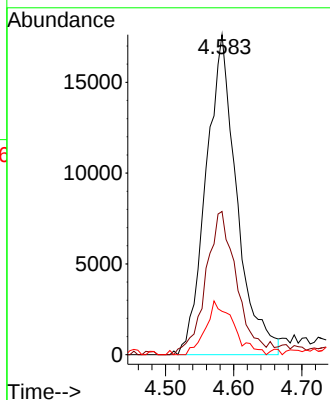
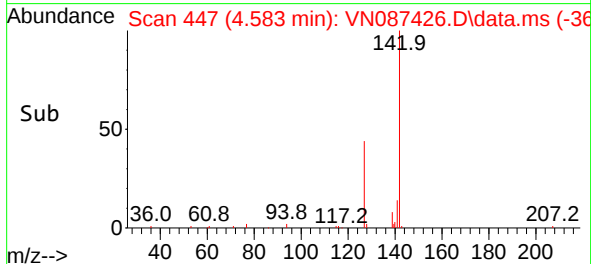
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



Tgt Ion:142 Resp: 5525  
Ion Ratio Lower Upper  
142 100  
127 43.7 20.0 59.9  
141 13.1 6.8 20.4

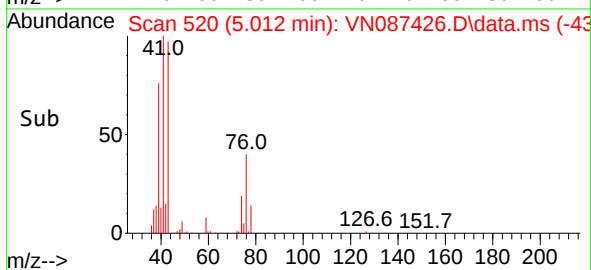
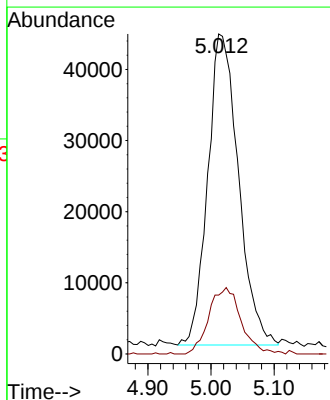
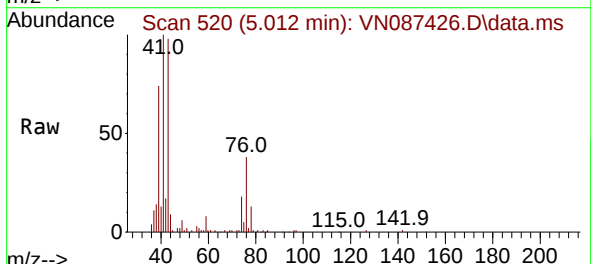
Manual Integrations  
APPROVED

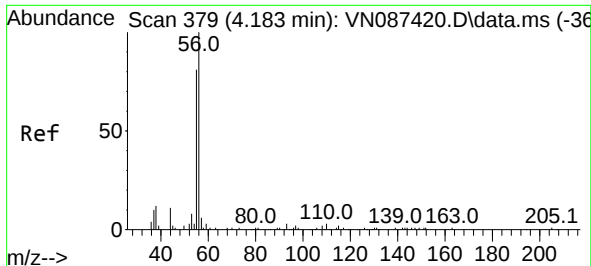
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#12  
Methyl Acetate  
Concen: 18.120 ug/l  
RT: 5.012 min Scan# 520  
Delta R.T. -0.012 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

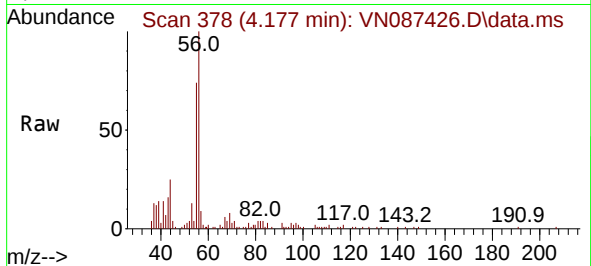
Tgt Ion: 43 Resp: 147594  
Ion Ratio Lower Upper  
43 100  
74 18.6 15.4 23.0





#13  
Acrolein  
Concen: 102.452 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

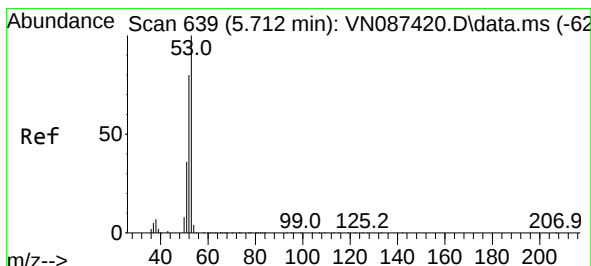
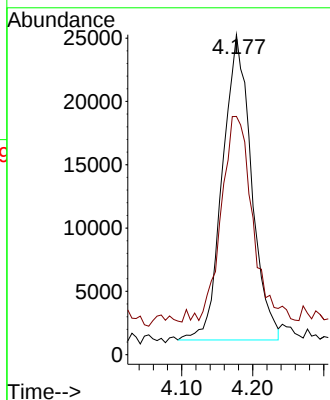
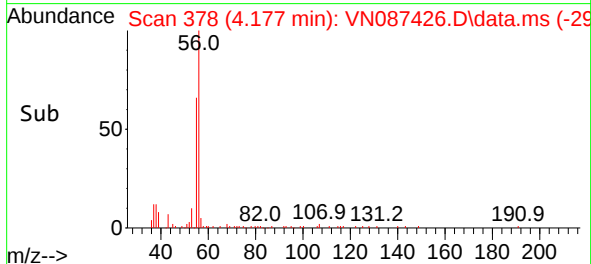
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



Tgt Ion: 56 Resp: 68059  
Ion Ratio Lower Upper  
56 100  
55 69.9 58.9 88.3

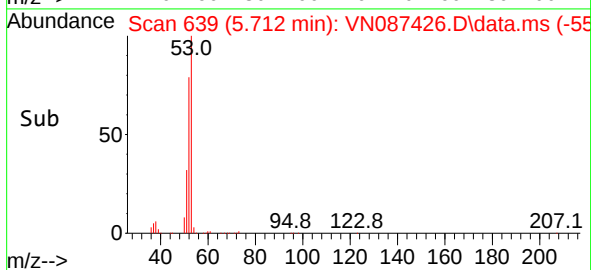
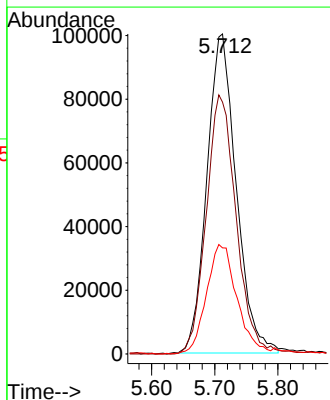
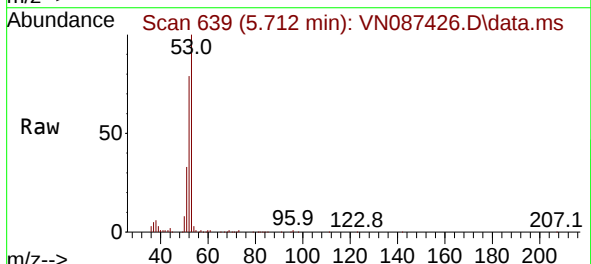
Manual Integrations  
APPROVED

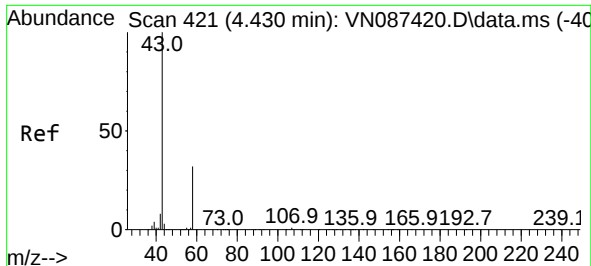
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#14  
Acrylonitrile  
Concen: 91.523 ug/l  
RT: 5.712 min Scan# 639  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

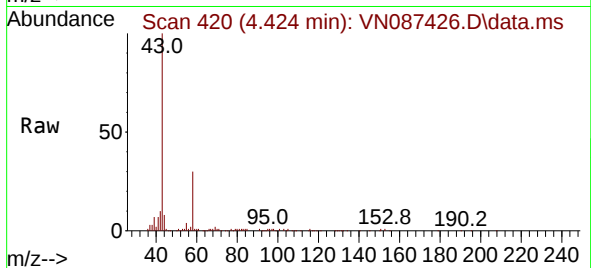
Tgt Ion: 53 Resp: 323261  
Ion Ratio Lower Upper  
53 100  
52 82.8 41.6 124.9  
51 35.6 18.1 54.4





#15  
Acetone  
Concen: 89.322 ug/l  
RT: 4.424 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

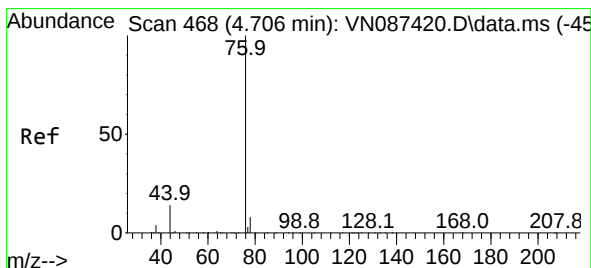
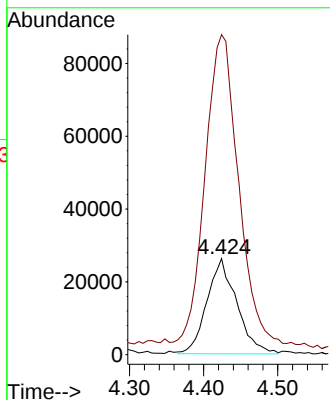
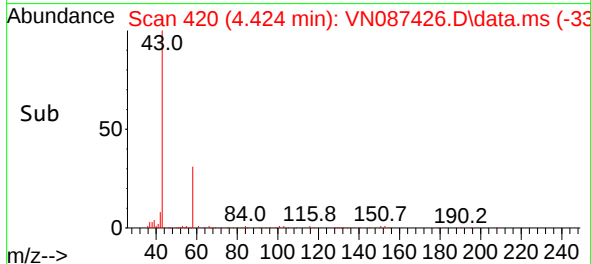
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



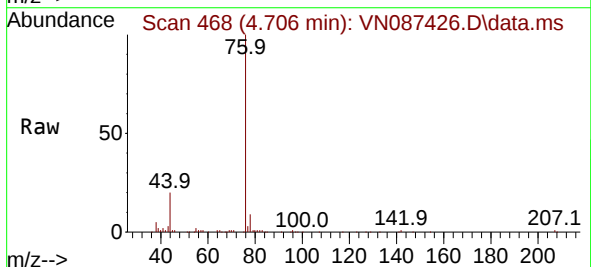
Tgt Ion: 58 Resp: 7312  
Ion Ratio Lower Upper  
58 100  
43 323.6 248.4 372.6

Manual Integrations  
APPROVED

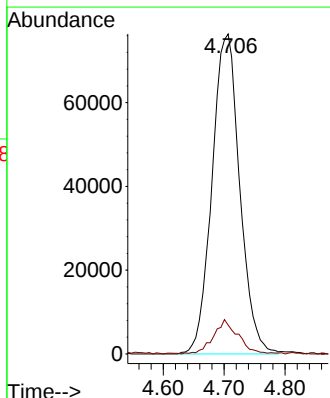
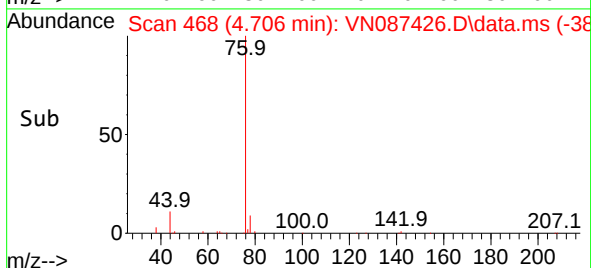
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

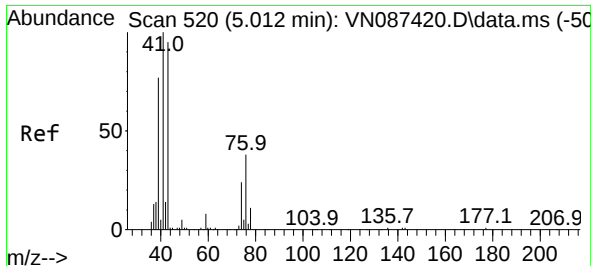


#16  
Carbon Disulfide  
Concen: 18.216 ug/l  
RT: 4.706 min Scan# 468  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



Tgt Ion: 76 Resp: 241838  
Ion Ratio Lower Upper  
76 100  
78 8.8 6.6 10.0





#17

Allyl chloride

Concen: 17.294 ug/l

RT: 5.006 min Scan# 519

Delta R.T. -0.006 min

Lab File: VN087426.D

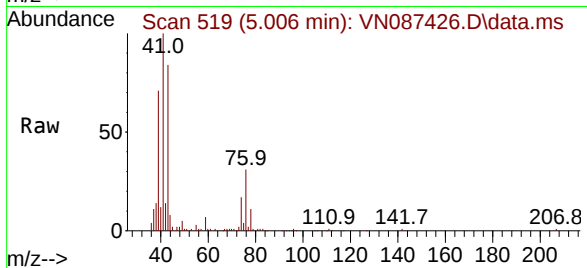
Acq: 28 Jul 2025 12:27

Instrument :

MSVOA\_N

ClientSampleId :

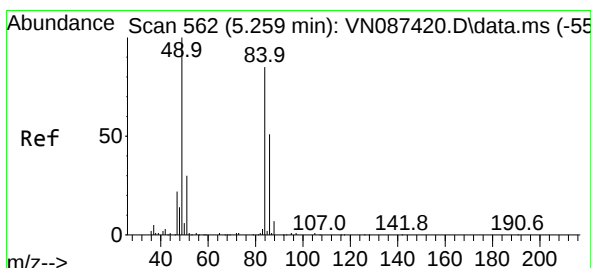
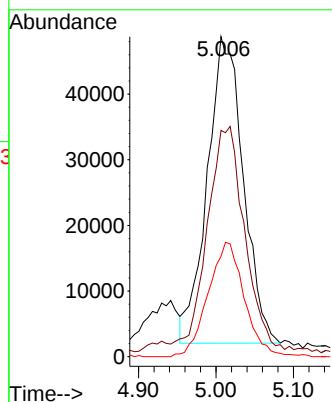
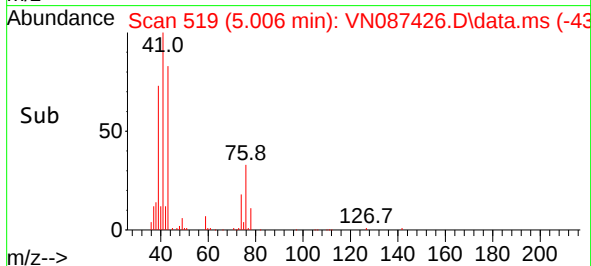
VN0728WBS01



| Tgt Ion:  | 41   | Resp: | 150530 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 39        | 69.9 | 35.9  | 107.8  |
| 76        | 31.9 | 17.5  | 52.5   |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#18

Methylene Chloride

Concen: 17.690 ug/l

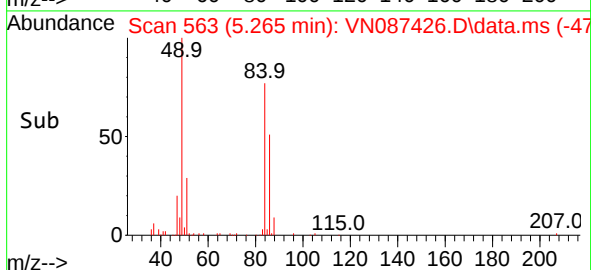
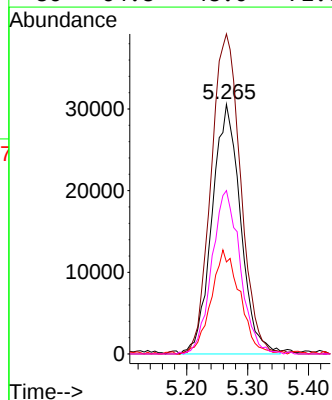
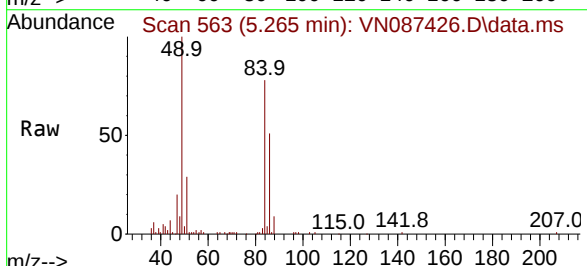
RT: 5.265 min Scan# 563

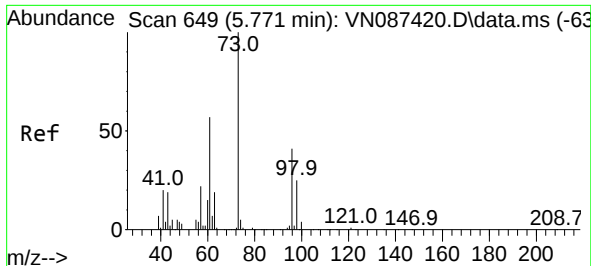
Delta R.T. 0.006 min

Lab File: VN087426.D

Acq: 28 Jul 2025 12:27

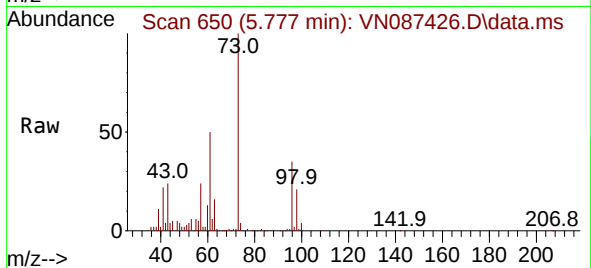
| Tgt Ion:  | 84    | Resp: | 99492 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 49        | 128.2 | 93.5  | 140.3 |
| 51        | 36.8  | 28.0  | 42.0  |
| 86        | 64.8  | 48.0  | 72.0  |





#19  
trans-1,2-Dichloroethene  
Concen: 17.748 ug/l  
RT: 5.777 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

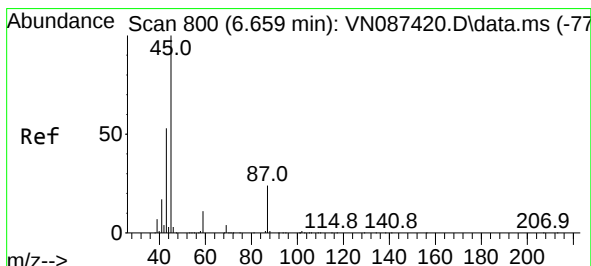
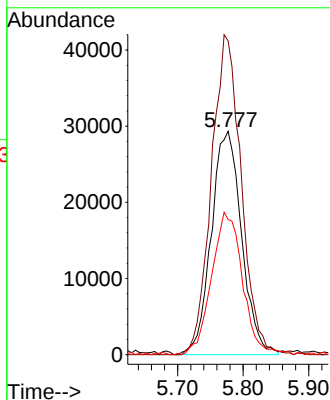
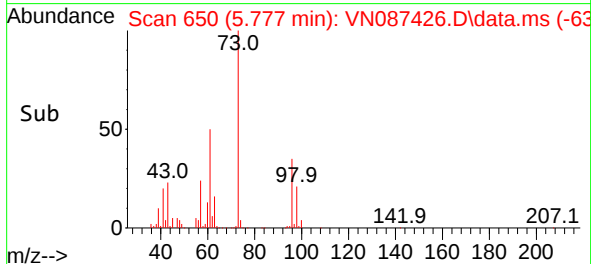
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



Tgt Ion: 96 Resp: 94194  
Ion Ratio Lower Upper  
96 100  
61 140.5 110.2 165.4  
98 59.8 47.9 71.9

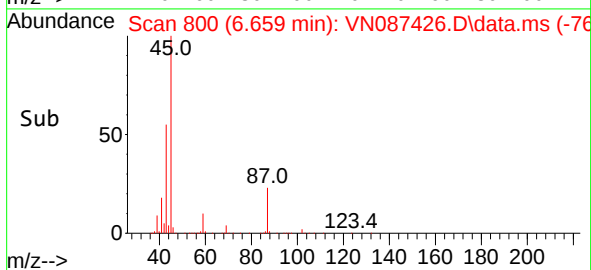
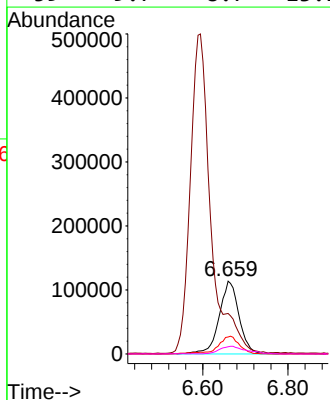
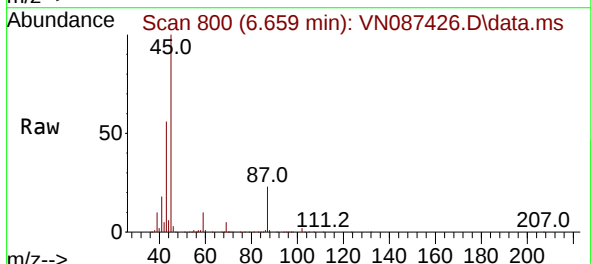
Manual Integrations  
APPROVED

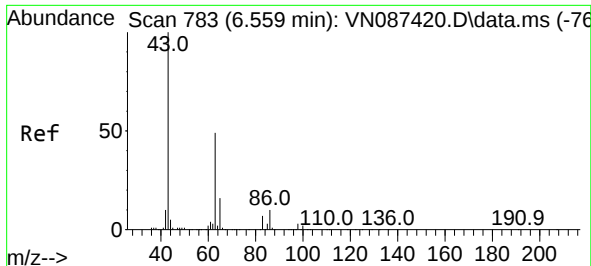
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#20  
Diisopropyl ether  
Concen: 18.632 ug/l  
RT: 6.659 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Tgt Ion: 45 Resp: 368991  
Ion Ratio Lower Upper  
45 100  
43 53.6 42.7 64.1  
87 23.2 19.4 29.0  
59 9.7 8.7 13.1





#21

1,1-Dichloroethane

Concen: 18.086 ug/l

RT: 6.553 min Scan# 71

Delta R.T. -0.006 min

Lab File: VN087426.D

Acq: 28 Jul 2025 12:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0728WBS01

Tgt Ion: 63 Resp: 18153

Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.1

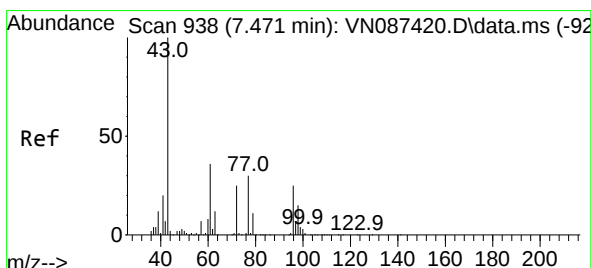
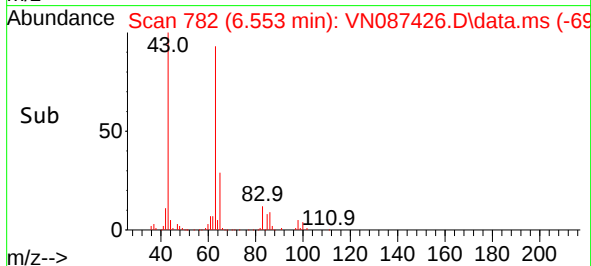
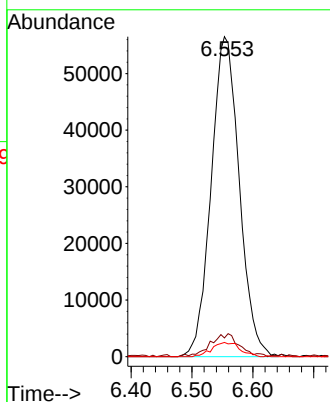
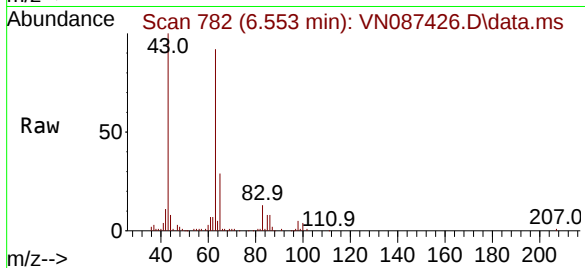
100 4.4 2.5 7.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#22

cis-1,2-Dichloroethene

Concen: 17.699 ug/l

RT: 7.471 min Scan# 938

Delta R.T. 0.000 min

Lab File: VN087426.D

Acq: 28 Jul 2025 12:27

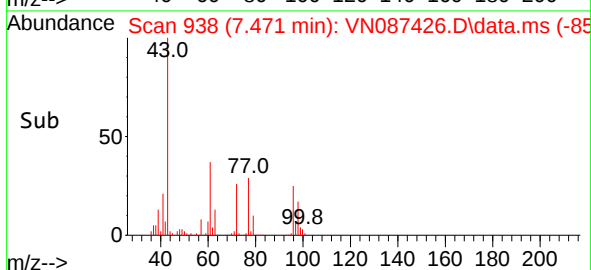
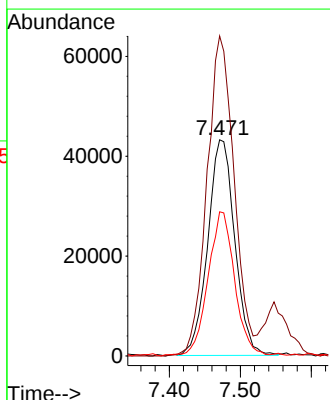
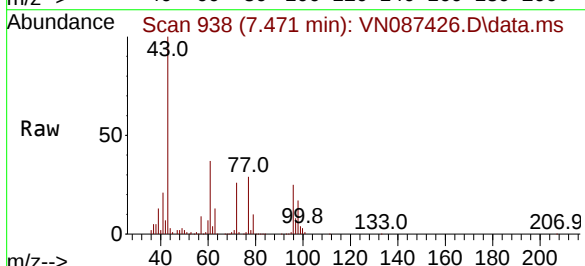
Tgt Ion: 96 Resp: 114166

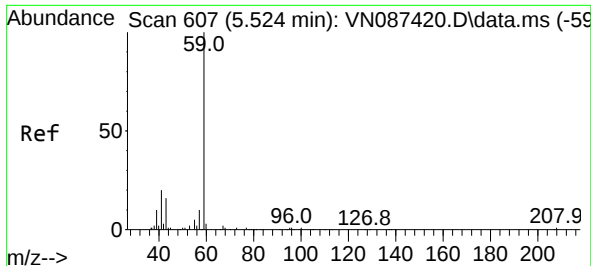
Ion Ratio Lower Upper

96 100

61 148.5 118.8 178.2

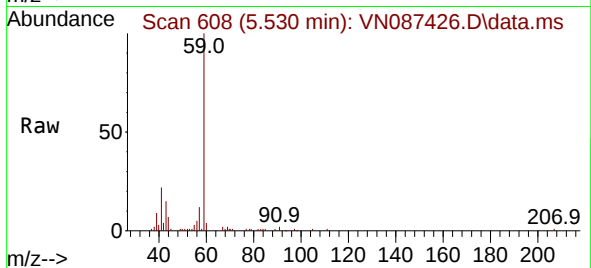
98 65.5 51.5 77.3





#23  
tert-Butyl Alcohol  
Concen: 92.659 ug/l  
RT: 5.530 min Scan# 607  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

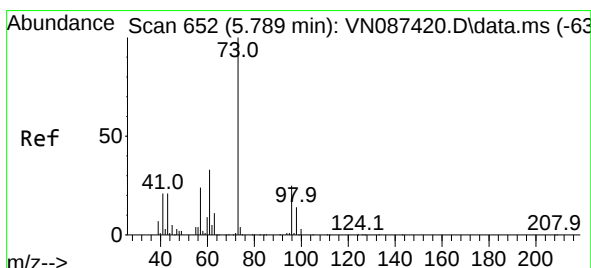
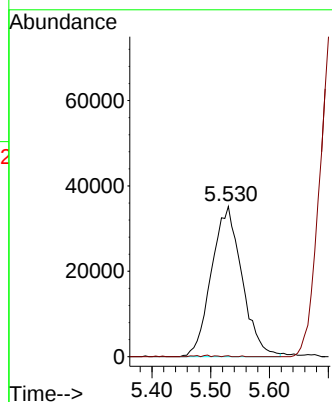
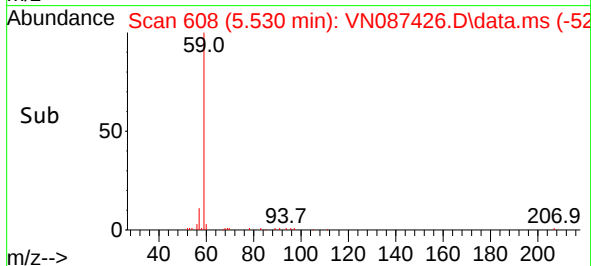
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



Tgt Ion: 59 Resp: 126852  
Ion Ratio Lower Upper  
59 100  
52 0.1 0.2 0.2

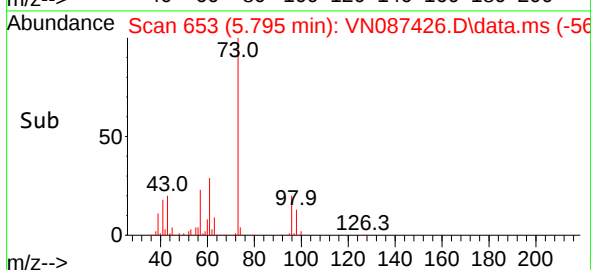
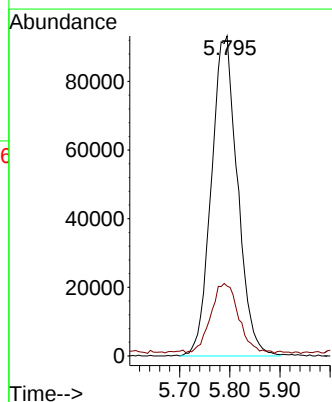
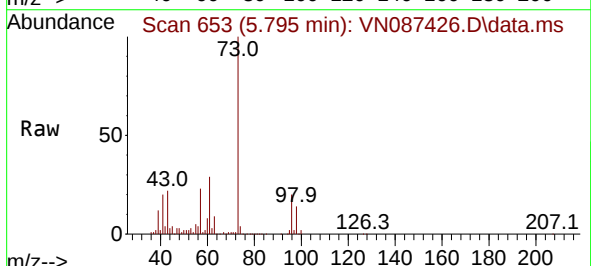
Manual Integrations  
APPROVED

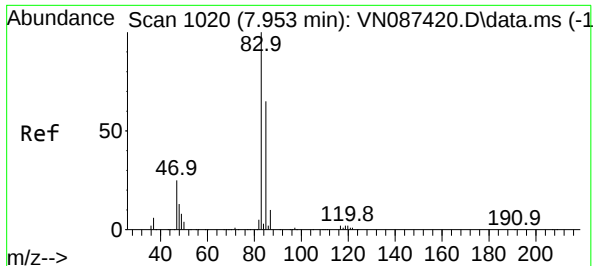
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#24  
Methyl tert-Butyl Ether  
Concen: 18.214 ug/l  
RT: 5.795 min Scan# 653  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

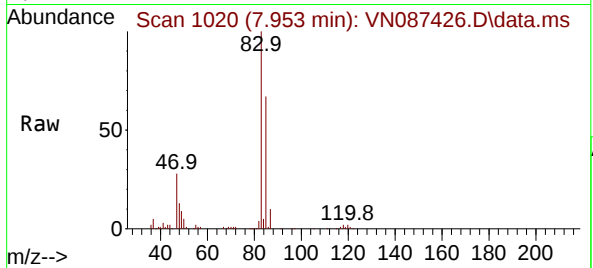
Tgt Ion: 73 Resp: 337583  
Ion Ratio Lower Upper  
73 100  
43 22.6 17.1 25.7





#25  
Chloroform  
Concen: 18.012 ug/l  
RT: 7.953 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

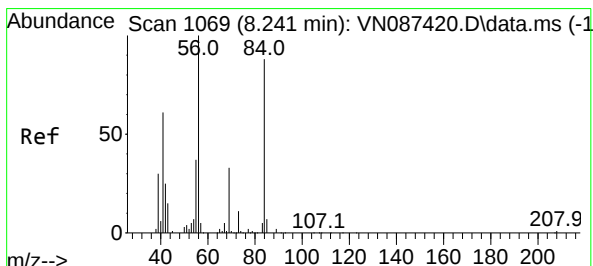
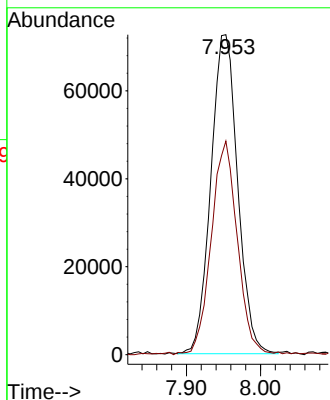
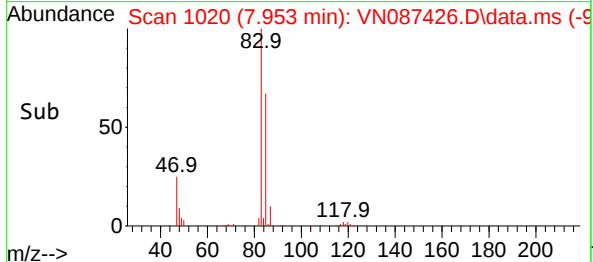
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



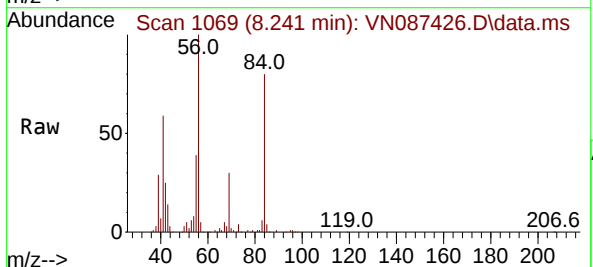
Tgt Ion: 83 Resp: 182530  
Ion Ratio Lower Upper  
83 100  
85 66.2 52.0 78.0

Manual Integrations  
APPROVED

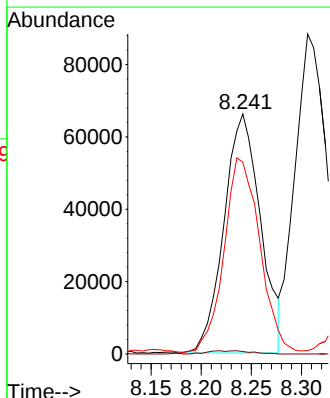
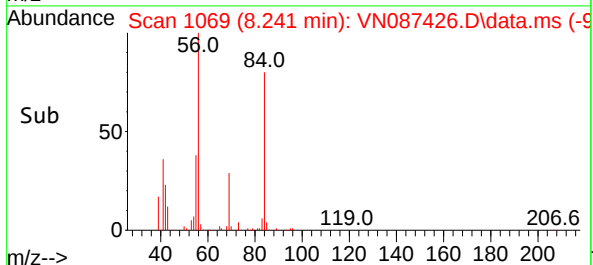
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

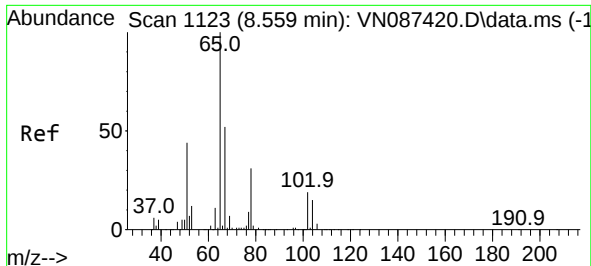


#26  
Cyclohexane  
Concen: 18.127 ug/l  
RT: 8.241 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



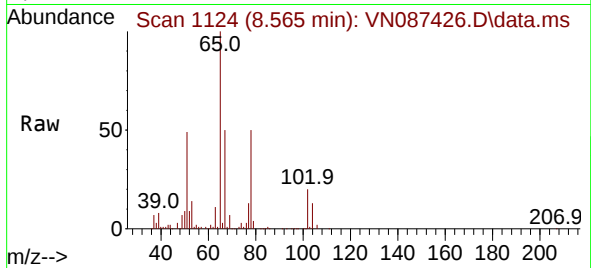
Tgt Ion: 56 Resp: 168041  
Ion Ratio Lower Upper  
56 100  
89 0.8 4.7 7.1#  
84 80.6 67.4 101.2





#27  
1,2-Dichloroethane-d4  
Concen: 30.099 ug/l  
RT: 8.565 min Scan# 1123  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

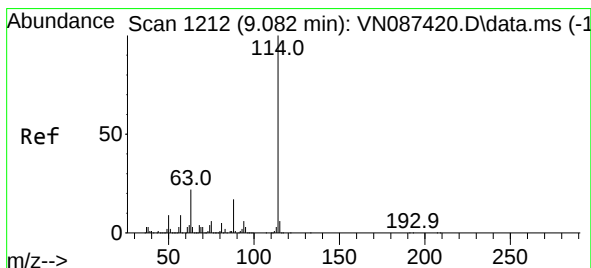
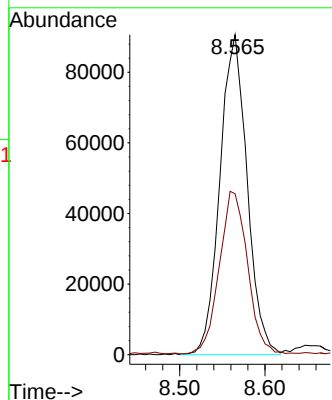
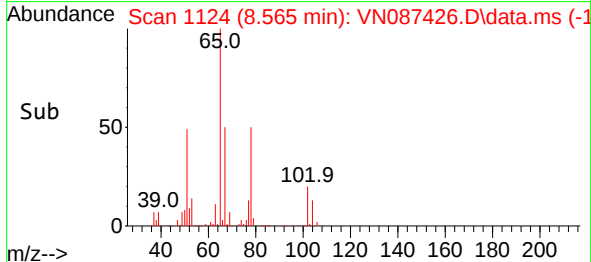
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



Tgt Ion: 65 Resp: 200980  
Ion Ratio Lower Upper  
65 100  
67 52.3 42.3 63.5

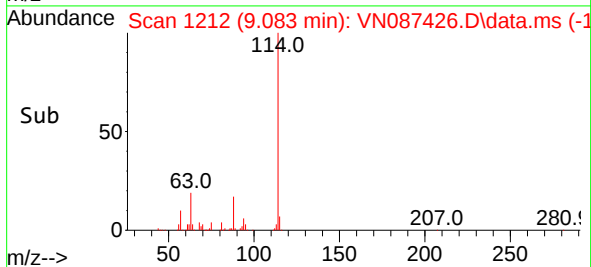
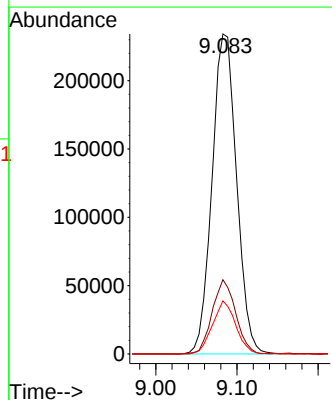
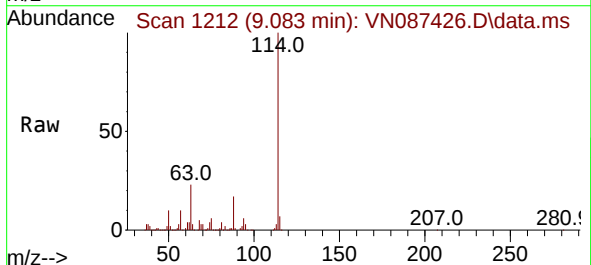
Manual Integrations  
APPROVED

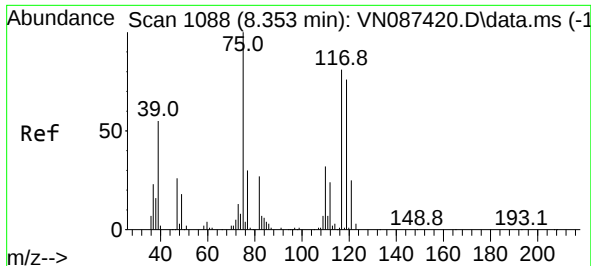
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.083 min Scan# 1212  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Tgt Ion:114 Resp: 492311  
Ion Ratio Lower Upper  
114 100  
63 22.1 17.8 26.6  
88 15.7 13.0 19.4





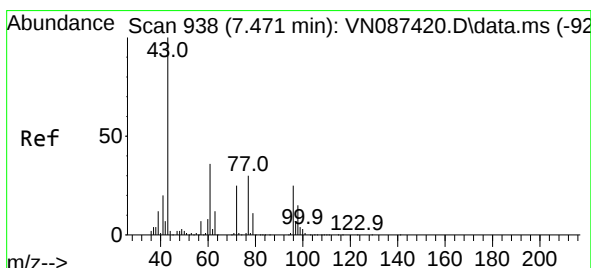
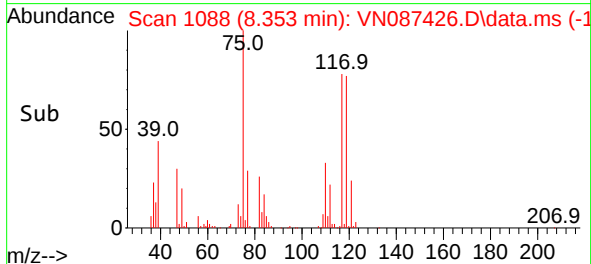
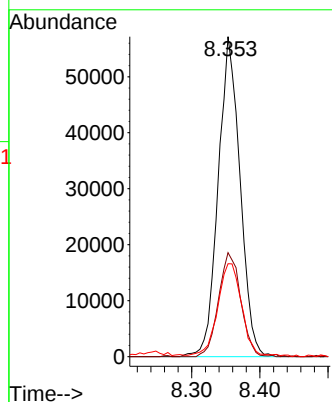
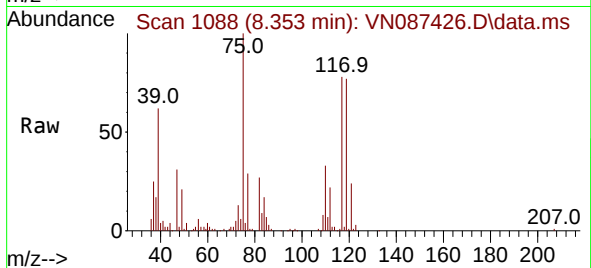
#29  
1,1-Dichloropropene  
Concen: 18.269 ug/l  
RT: 8.353 min Scan# 1088  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 12767 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 32.9    | 0.0 69.6    |
| 77 30.6     | 0.0 60.2    |

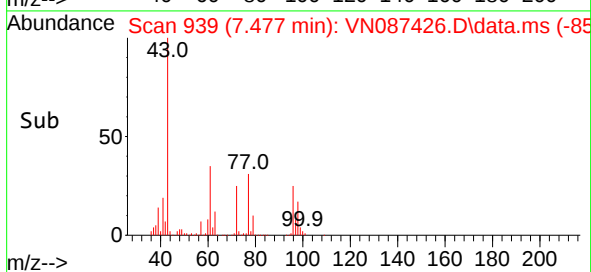
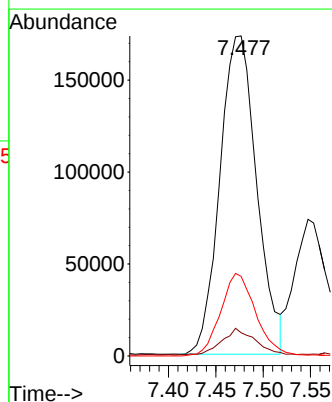
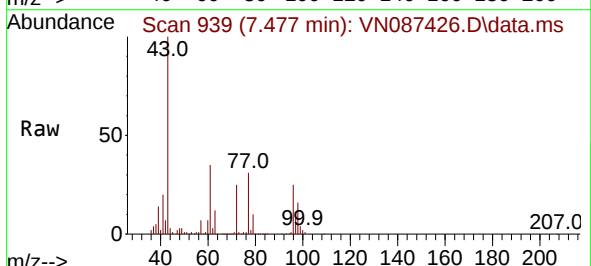
Manual Integrations  
APPROVED

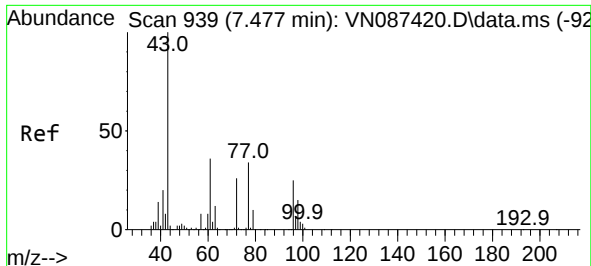
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#30  
2-Butanone  
Concen: 92.662 ug/l  
RT: 7.477 min Scan# 939  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

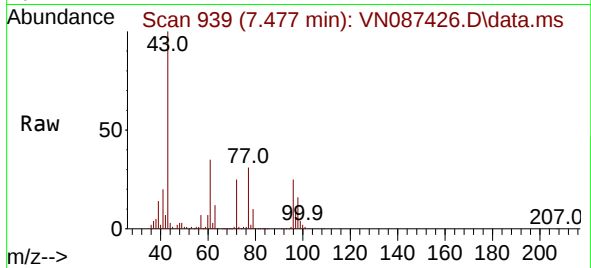
|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 469196 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 57 7.4      | 6.0 9.0      |
| 72 24.6     | 20.3 30.5    |





#31  
2,2-Dichloropropane  
Concen: 18.041 ug/l  
RT: 7.477 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

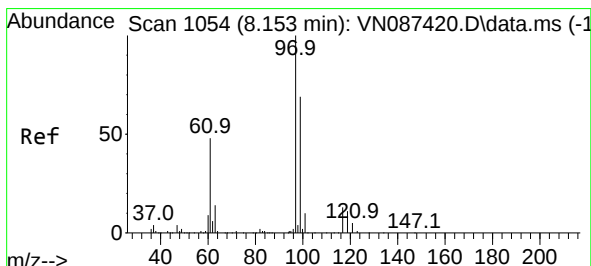
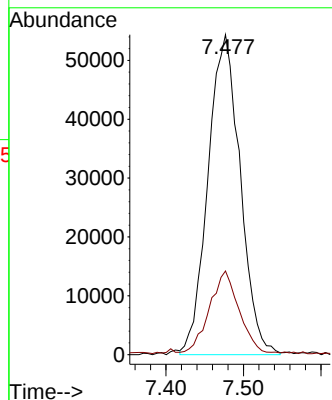
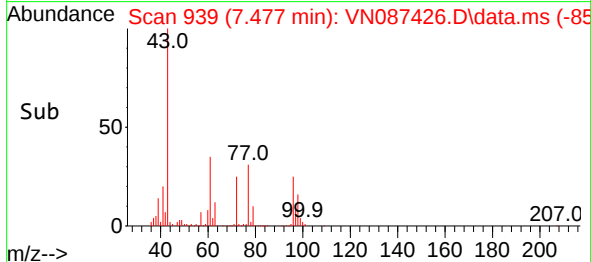
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



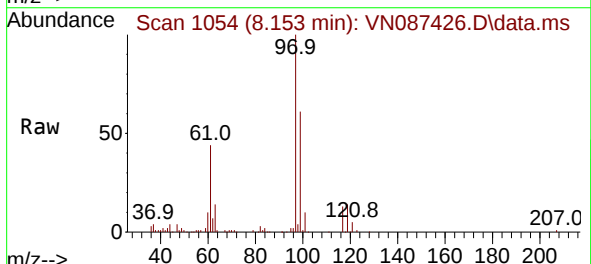
Tgt Ion: 77 Resp: 157108  
Ion Ratio Lower Upper  
77 100  
97 22.9 19.1 28.7

Manual Integrations  
APPROVED

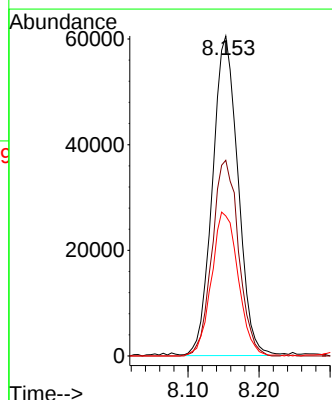
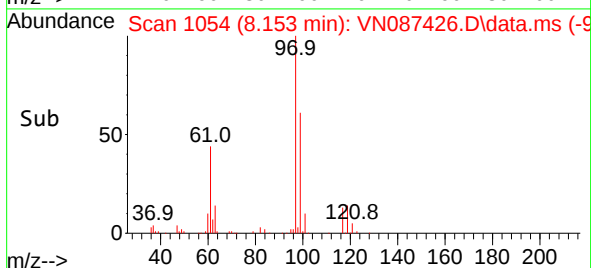
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

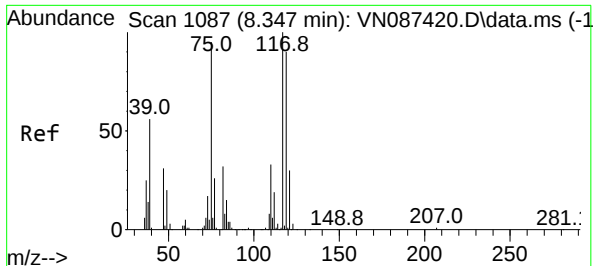


#32  
1,1,1-Trichloroethane  
Concen: 17.980 ug/l  
RT: 8.153 min Scan# 1054  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



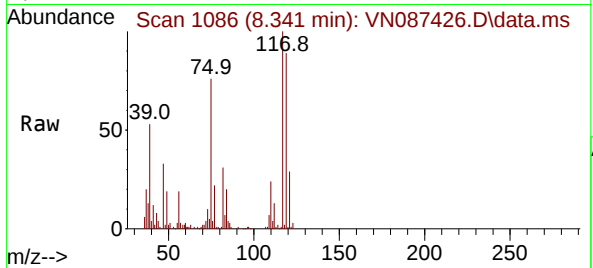
Tgt Ion: 97 Resp: 151041  
Ion Ratio Lower Upper  
97 100  
99 63.4 52.1 78.1  
61 47.0 36.3 54.5





#33  
Carbon Tetrachloride  
Concen: 17.836 ug/l  
RT: 8.341 min Scan# 1086  
Delta R.T. -0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

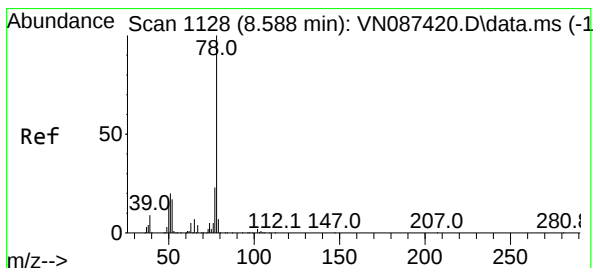
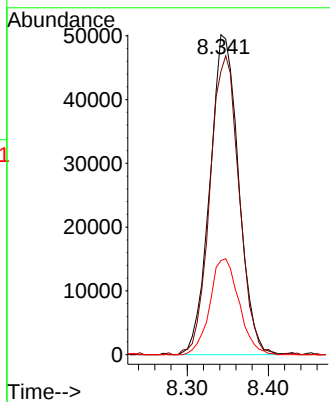
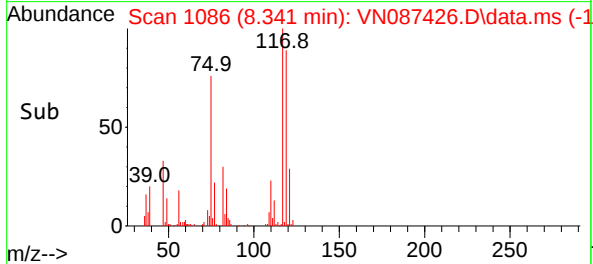
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



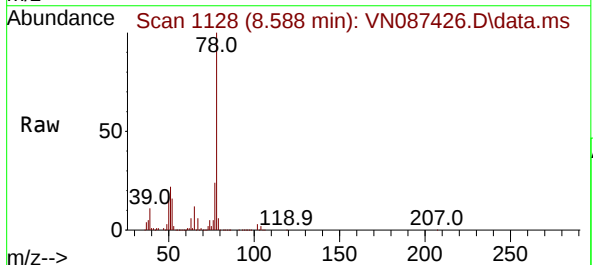
Tgt Ion:117 Resp: 12355  
Ion Ratio Lower Upper  
117 100  
119 88.5 71.9 107.9  
121 29.4 24.4 36.6

Manual Integrations  
APPROVED

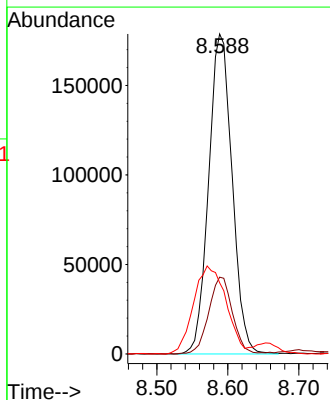
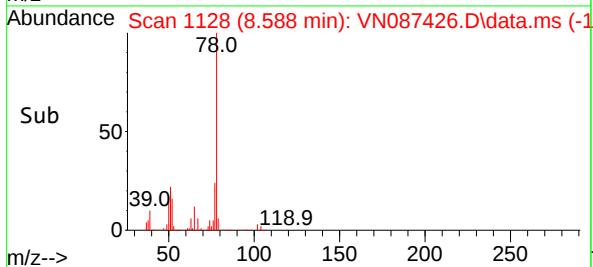
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

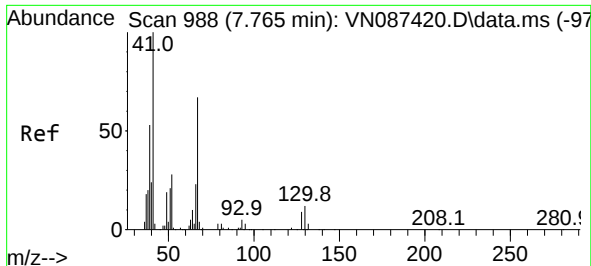


#34  
Benzene  
Concen: 17.923 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



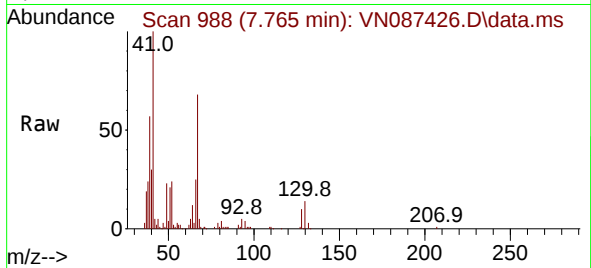
Tgt Ion: 78 Resp: 409685  
Ion Ratio Lower Upper  
78 100  
77 23.9 18.6 28.0  
51 20.6 16.3 24.5





#35  
Methacrylonitrile  
Concen: 17.321 ug/l  
RT: 7.765 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

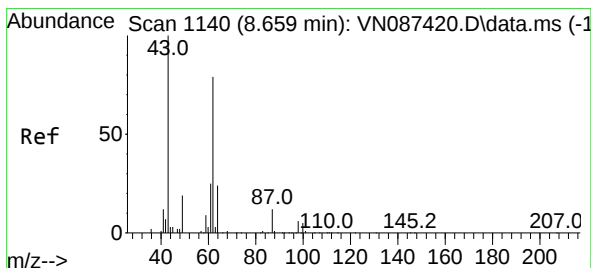
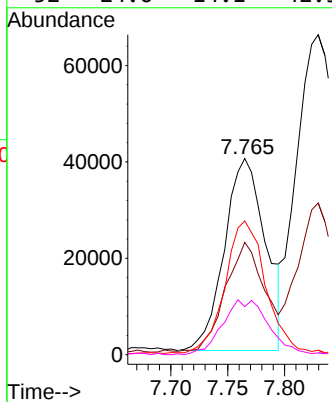
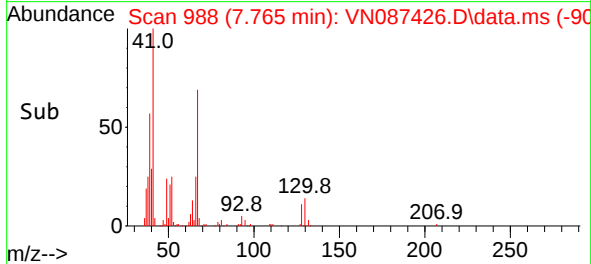
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



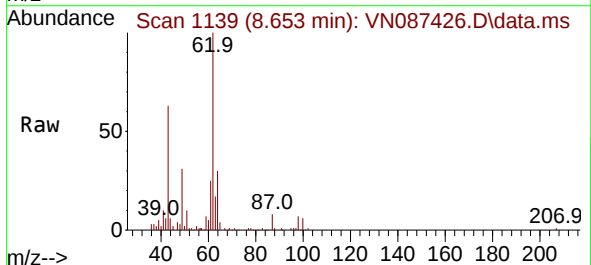
Tgt Ion: 41 Resp: 100468  
Ion Ratio Lower Upper  
41 100  
39 56.8 26.7 80.1  
67 68.7 33.5 100.4  
52 24.6 14.1 42.3

Manual Integrations  
APPROVED

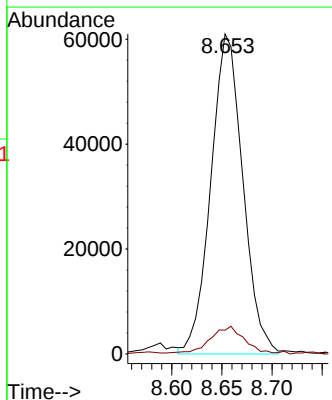
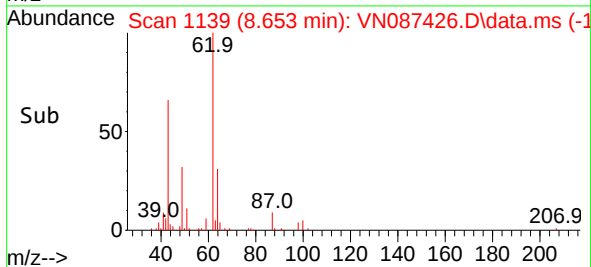
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

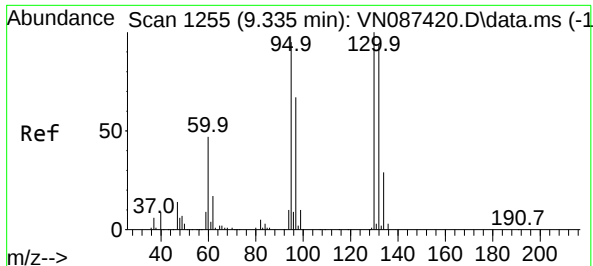


#36  
1,2-Dichloroethane  
Concen: 17.827 ug/l  
RT: 8.653 min Scan# 1139  
Delta R.T. -0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



Tgt Ion: 62 Resp: 135618  
Ion Ratio Lower Upper  
62 100  
98 8.8 0.2 0.2#





#37

Trichloroethene

Concen: 17.849 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.000 min

Lab File: VN087426.D

Acq: 28 Jul 2025 12:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0728WBS01

Tgt Ion:130 Resp: 93135

Ion Ratio Lower Upper

130 100

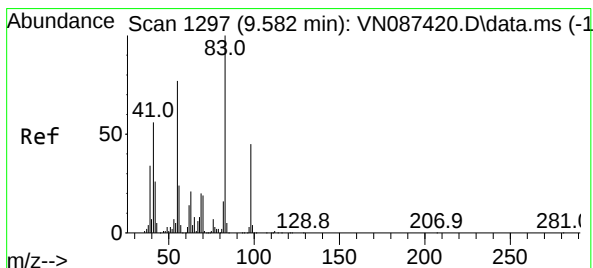
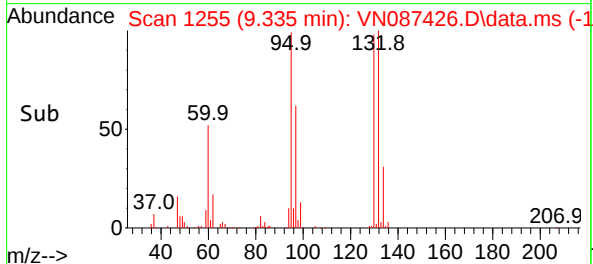
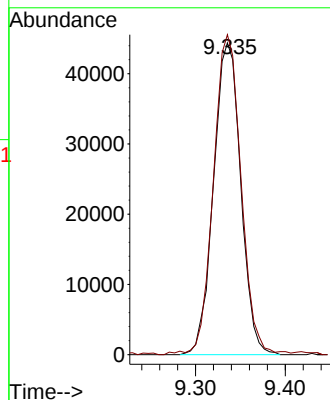
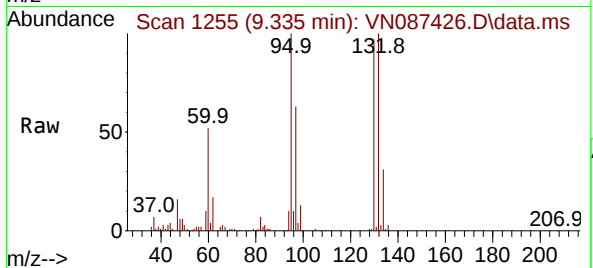
95 101.6 76.4 114.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#38

Methylcyclohexane

Concen: 17.901 ug/l

RT: 9.583 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN087426.D

Acq: 28 Jul 2025 12:27

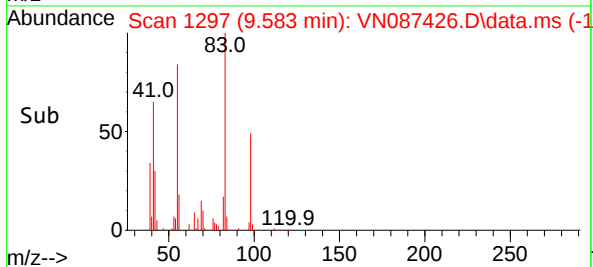
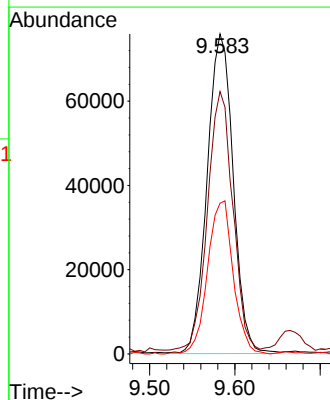
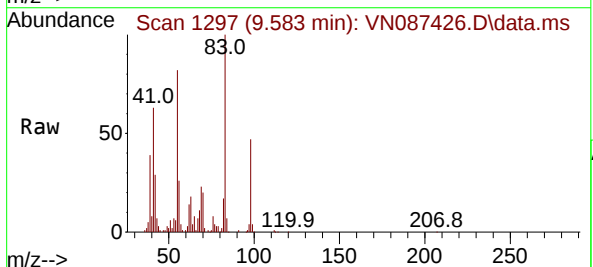
Tgt Ion: 83 Resp: 161359

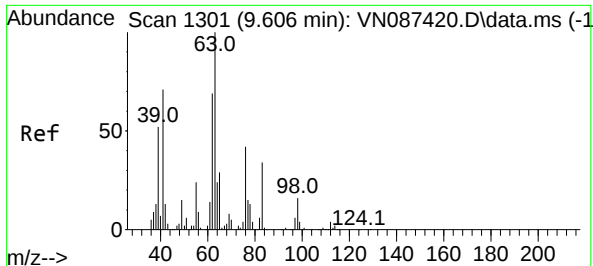
Ion Ratio Lower Upper

83 100

55 78.6 39.4 118.1

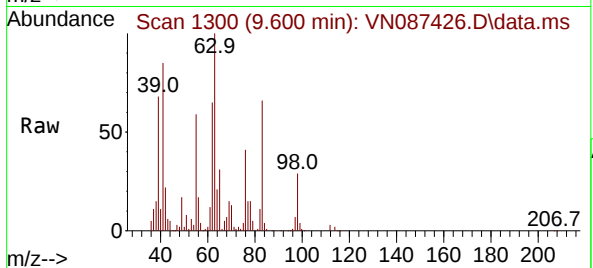
98 47.0 23.6 70.8





#39  
1,2-Dichloropropane  
Concen: 17.920 ug/l  
RT: 9.600 min Scan# 1301  
Delta R.T. -0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

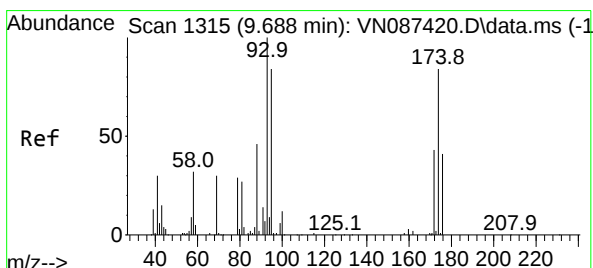
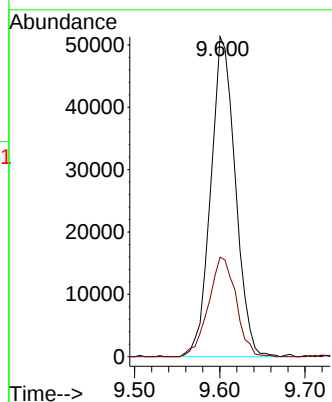
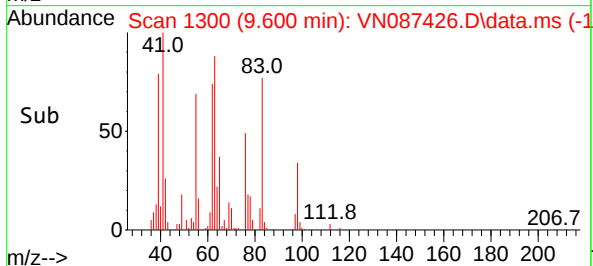
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



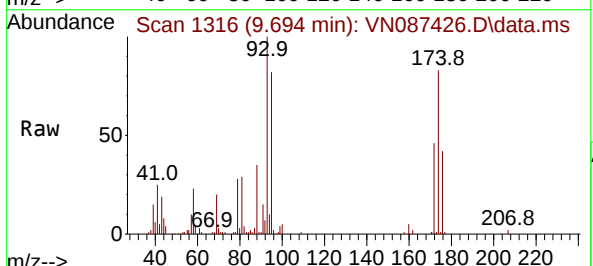
Tgt Ion: 63 Resp: 103120  
Ion Ratio Lower Upper  
63 100  
65 31.1 23.1 34.7

Manual Integrations  
APPROVED

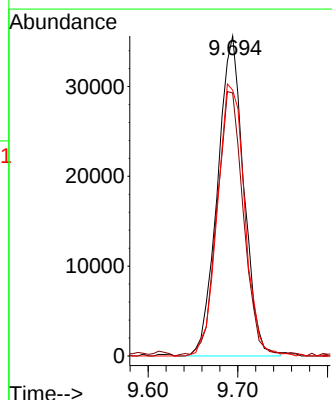
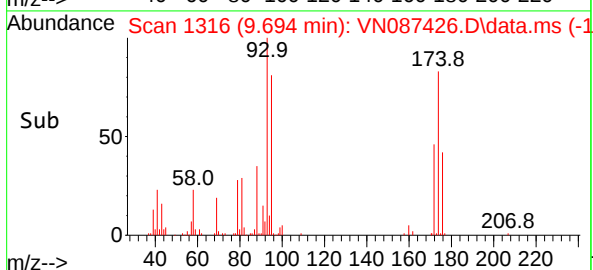
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

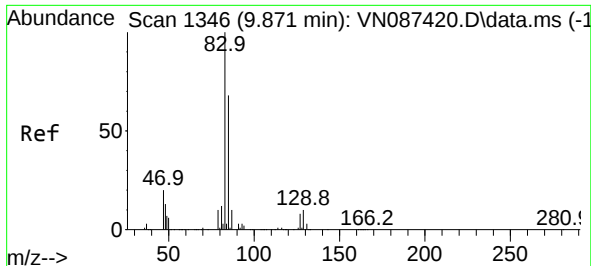


#40  
Dibromomethane  
Concen: 17.706 ug/l  
RT: 9.694 min Scan# 1316  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



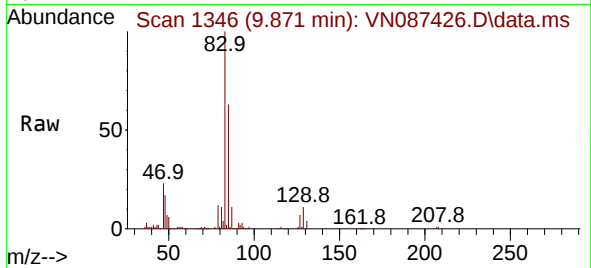
Tgt Ion: 93 Resp: 72281  
Ion Ratio Lower Upper  
93 100  
95 83.5 0.0 164.8  
174 88.0 0.0 174.4





#41  
Bromodichloromethane  
Concen: 18.071 ug/l  
RT: 9.871 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

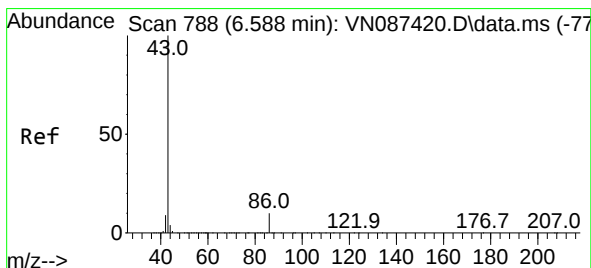
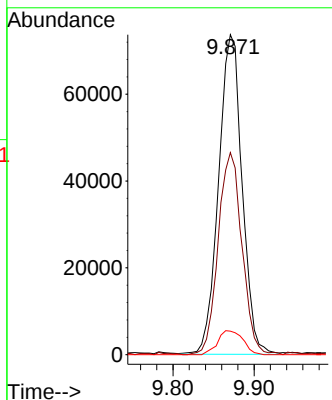
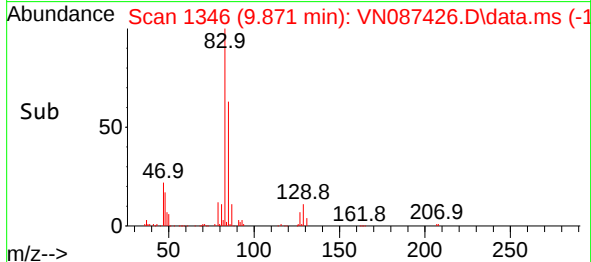
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



Tgt Ion: 83 Resp: 148470  
Ion Ratio Lower Upper  
83 100  
85 63.0 54.5 81.7  
127 7.4 6.6 10.0

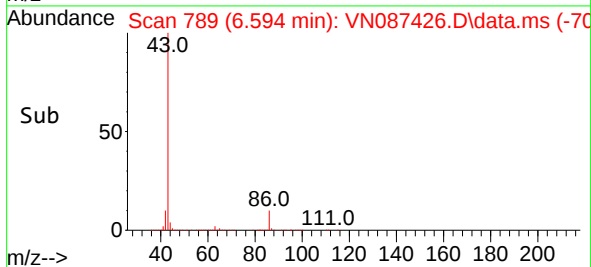
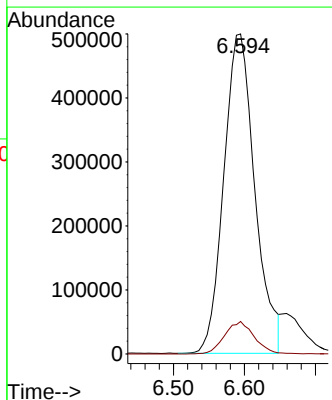
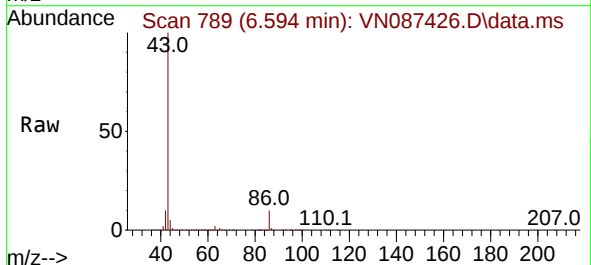
Manual Integrations  
APPROVED

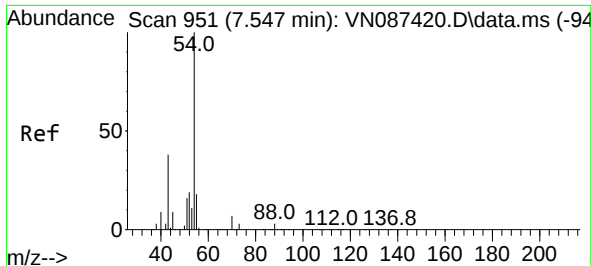
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#42  
Vinyl Acetate  
Concen: 89.182 ug/l  
RT: 6.594 min Scan# 789  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

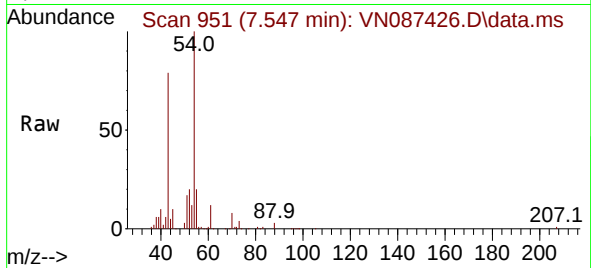
Tgt Ion: 43 Resp: 1519689  
Ion Ratio Lower Upper  
43 100  
86 9.7 7.9 11.9





#43  
Ethyl Acetate  
Concen: 17.879 ug/l  
RT: 7.547 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

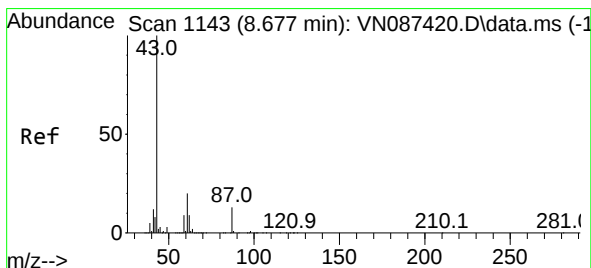
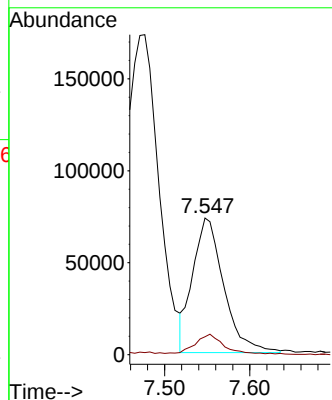
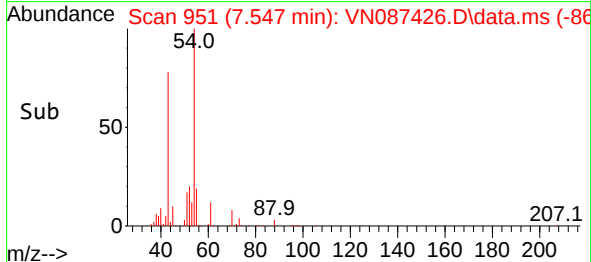
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



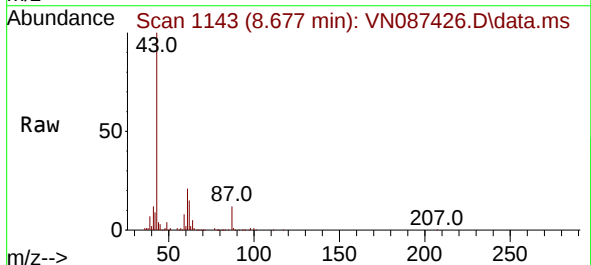
Tgt Ion: 43 Resp: 185584  
Ion Ratio Lower Upper  
43 100  
45 14.8 1.6 2.4

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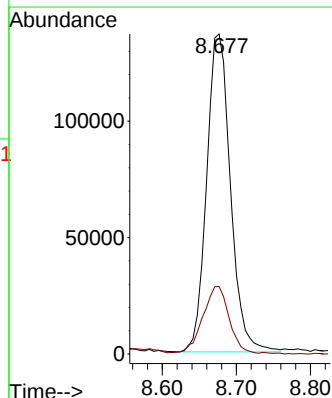
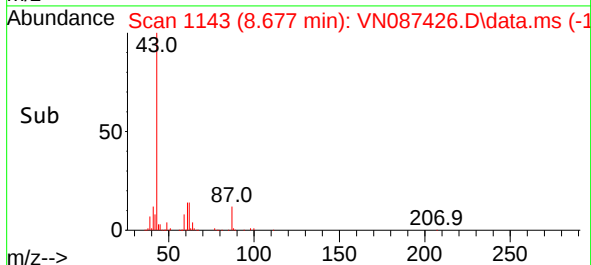
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

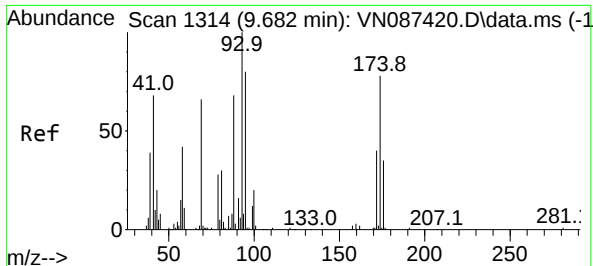


#44  
Isopropyl Acetate  
Concen: 18.433 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



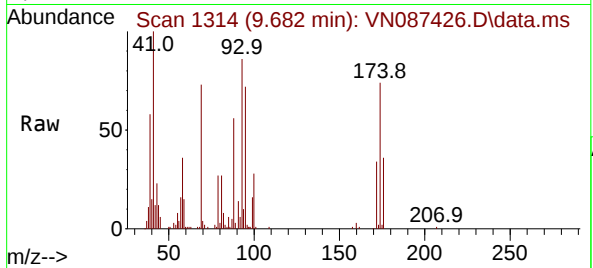
Tgt Ion: 43 Resp: 305680  
Ion Ratio Lower Upper  
43 100  
61 23.7 20.0 30.0





#45  
1,4-Dioxane  
Concen: 370.493 ug/l  
RT: 9.682 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

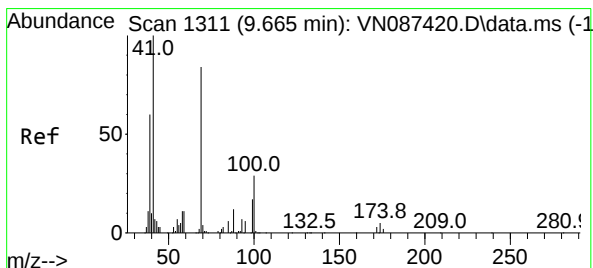
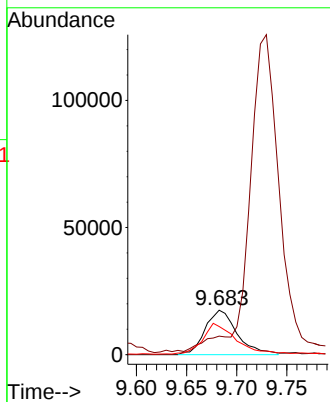
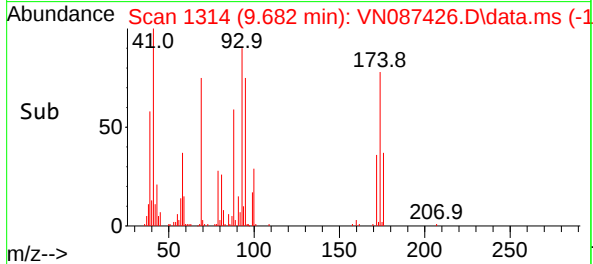
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



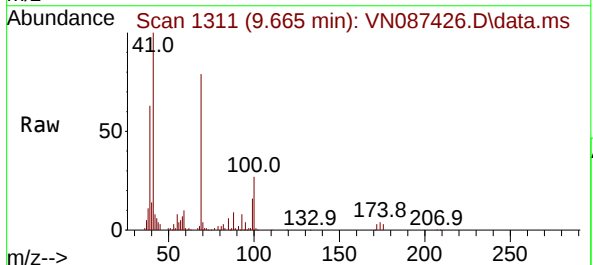
Tgt Ion: 88 Resp: 3898  
Ion Ratio Lower Upper  
88 100  
43 31.4 22.7 34.1  
58 69.3 56.2 84.4

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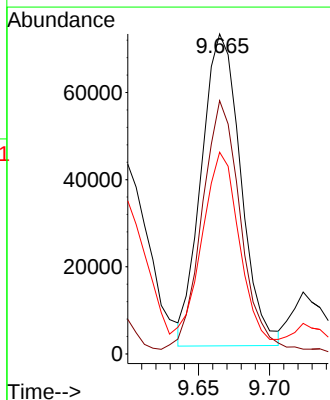
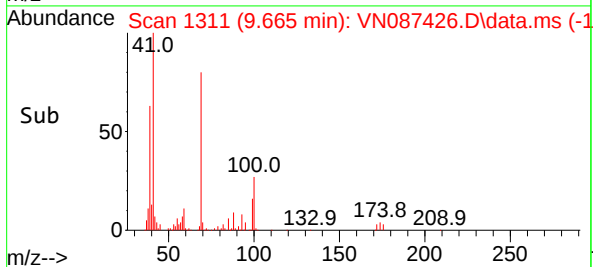
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

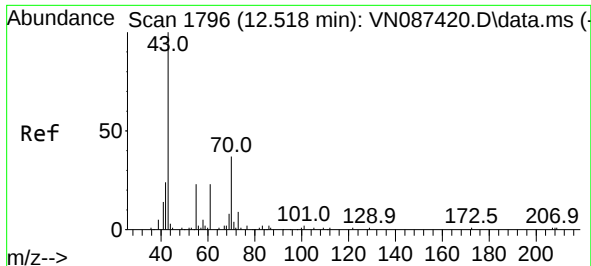


#46  
Methyl methacrylate  
Concen: 17.882 ug/l  
RT: 9.665 min Scan# 1311  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



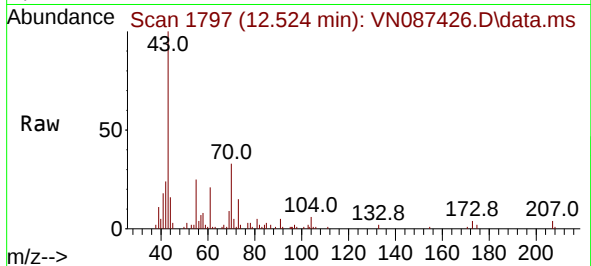
Tgt Ion: 41 Resp: 138077  
Ion Ratio Lower Upper  
41 100  
69 81.5 41.9 125.7  
39 63.0 31.1 93.5





#47  
n-amy1 Acetate  
Concen: 20.144 ug/l m  
RT: 12.524 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

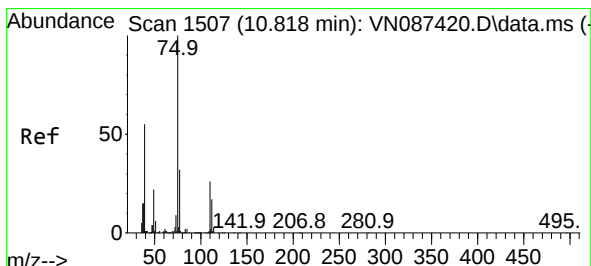
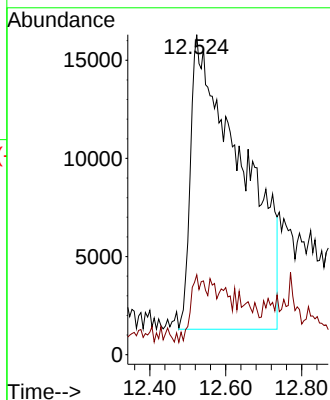
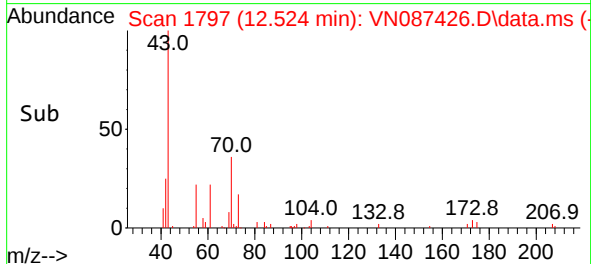
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



Tgt Ion: 43 Resp: 137720  
Ion Ratio Lower Upper  
43 100  
55 3.7 15.0 22.6

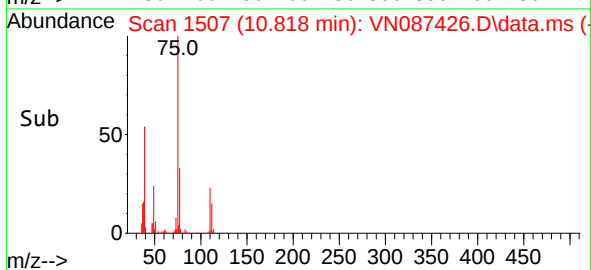
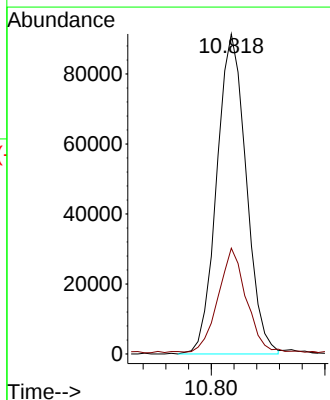
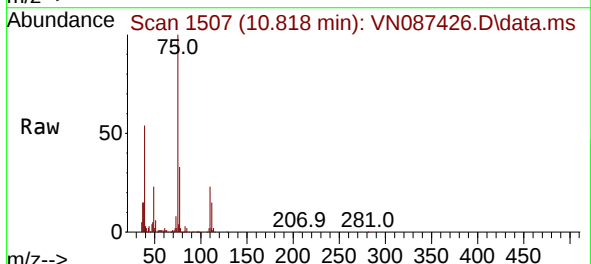
Manual Integrations  
APPROVED

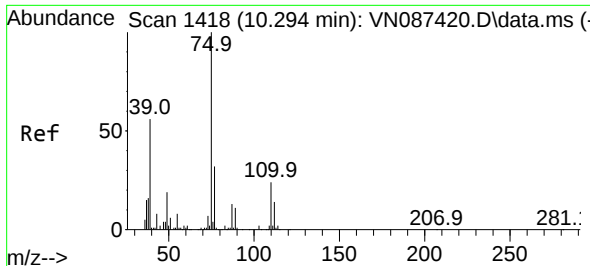
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#48  
t-1,3-Dichloropropene  
Concen: 17.777 ug/l  
RT: 10.818 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

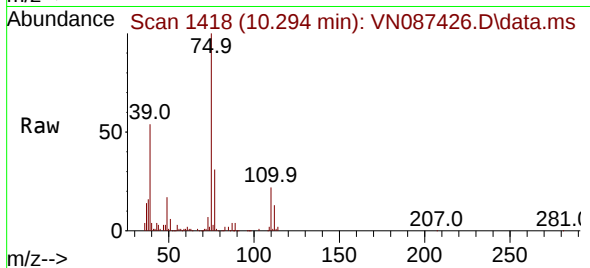
Tgt Ion: 75 Resp: 164427  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.4 38.2





#49  
 cis-1,3-Dichloropropene  
 Concen: 18.190 ug/l  
 RT: 10.294 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VN087426.D  
 Acq: 28 Jul 2025 12:27

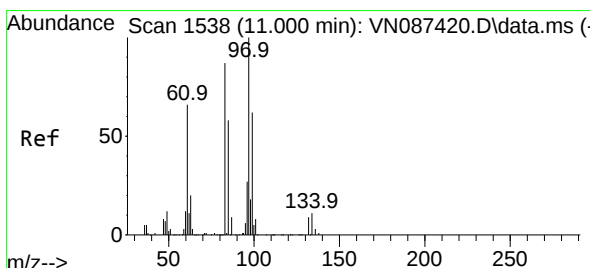
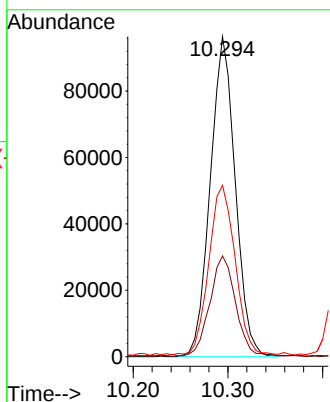
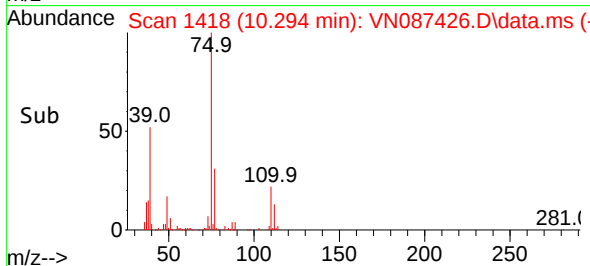
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0728WBS01



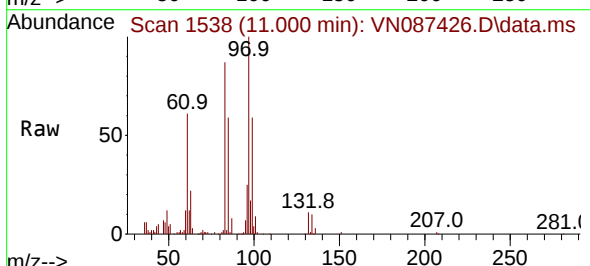
Tgt Ion: 75 Resp: 176690  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 26.1 39.1  
 39 52.8 45.0 67.4

Manual Integrations  
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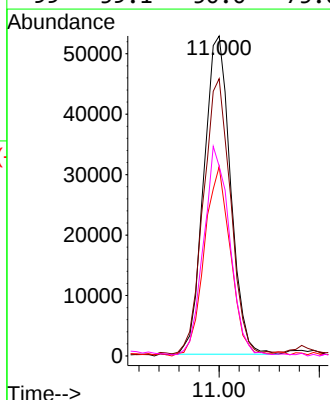
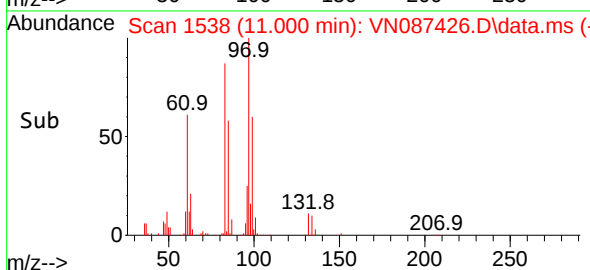
Reviewed By :John Carlone 07/28/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

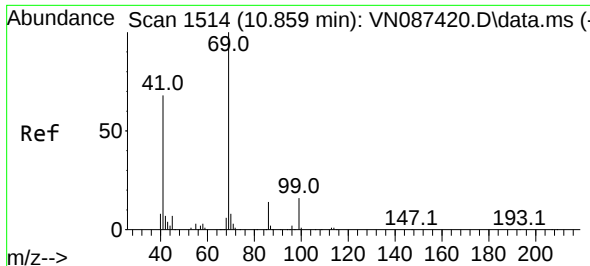


#50  
 1,1,2-Trichloroethane  
 Concen: 17.908 ug/l  
 RT: 11.000 min Scan# 1538  
 Delta R.T. 0.000 min  
 Lab File: VN087426.D  
 Acq: 28 Jul 2025 12:27



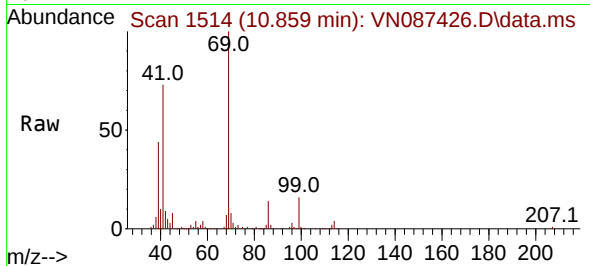
Tgt Ion: 97 Resp: 97314  
 Ion Ratio Lower Upper  
 97 100  
 83 86.0 70.0 105.0  
 85 58.6 46.2 69.2  
 99 59.1 50.0 75.0





#51  
Ethyl methacrylate  
Concen: 17.820 ug/l  
RT: 10.859 min Scan# 1514  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

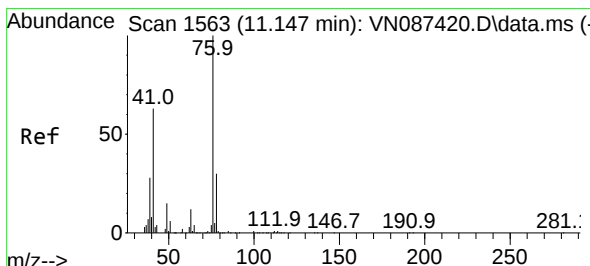
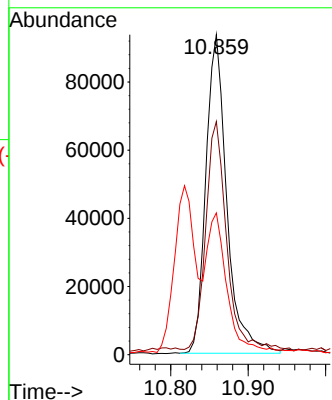
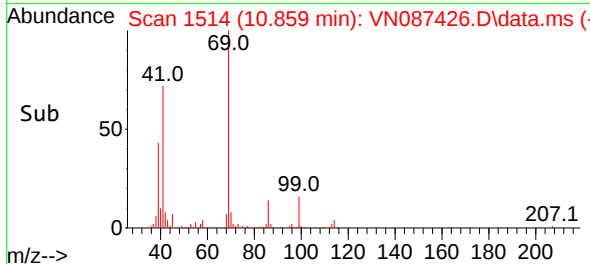
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



Tgt Ion: 69 Resp: 17536  
Ion Ratio Lower Upper  
69 100  
41 71.5 33.9 101.6  
39 43.0 20.3 60.9

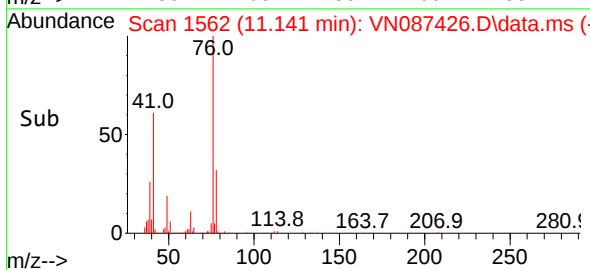
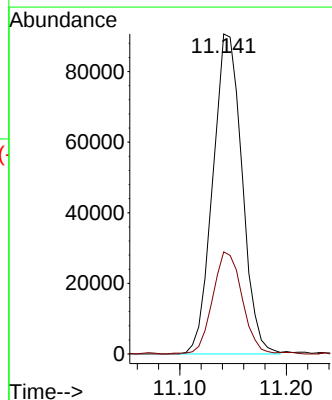
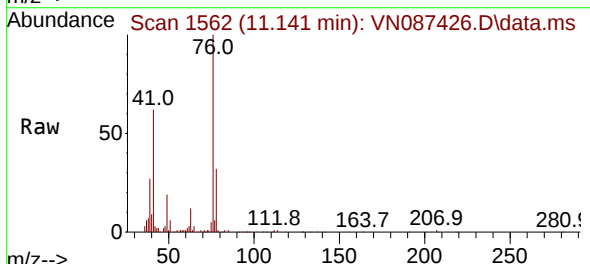
Manual Integrations  
APPROVED

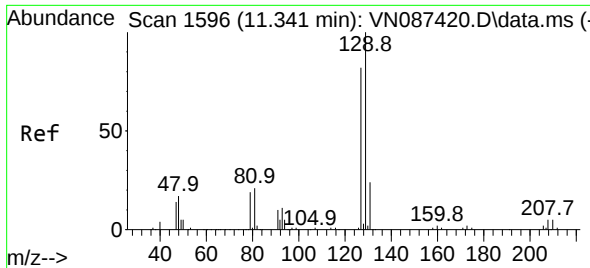
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#52  
1,3-Dichloropropane  
Concen: 18.378 ug/l  
RT: 11.141 min Scan# 1562  
Delta R.T. -0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

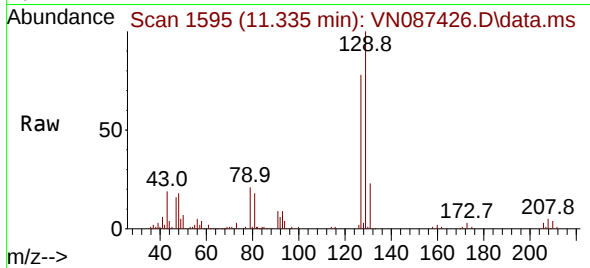
Tgt Ion: 76 Resp: 172596  
Ion Ratio Lower Upper  
76 100  
78 32.0 0.0 67.4





#53  
Dibromochloromethane  
Concen: 17.526 ug/l  
RT: 11.335 min Scan# 1595  
Delta R.T. -0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

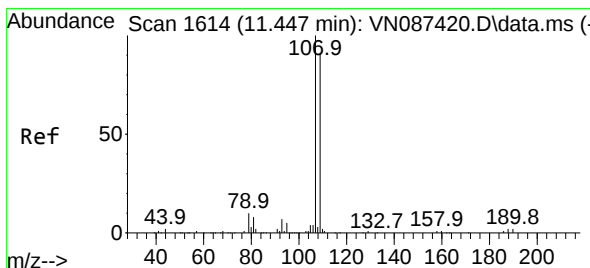
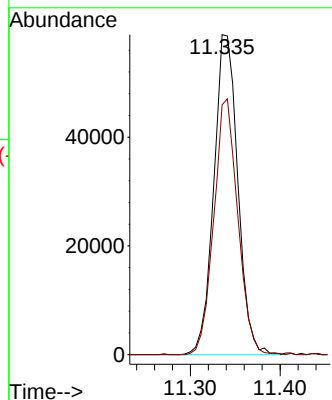
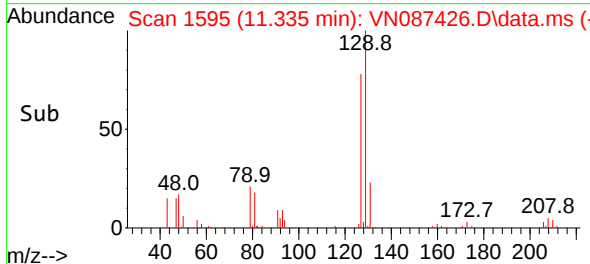
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



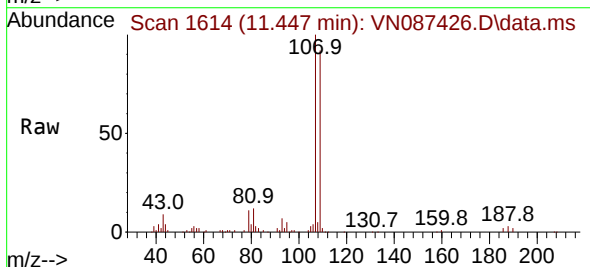
Tgt Ion:129 Resp: 10923  
Ion Ratio Lower Upper  
129 100  
127 79.9 39.5 118.3

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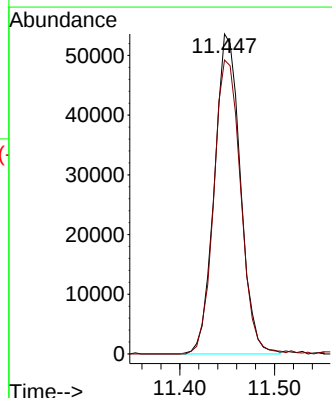
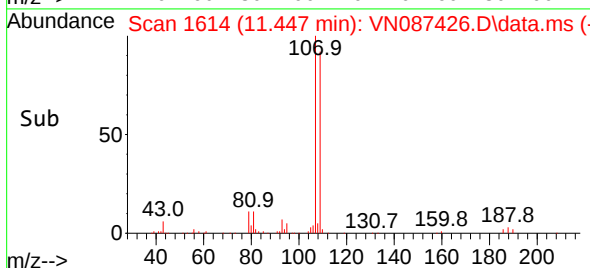
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

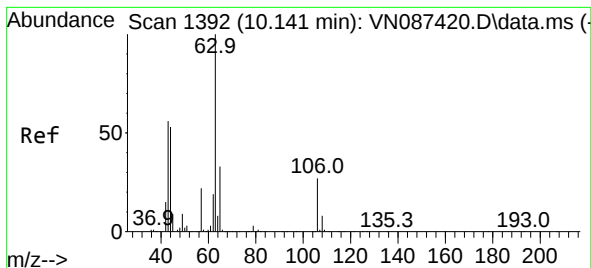


#54  
1,2-Dibromoethane  
Concen: 17.827 ug/l  
RT: 11.447 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



Tgt Ion:107 Resp: 101930  
Ion Ratio Lower Upper  
107 100  
109 95.1 73.9 110.9





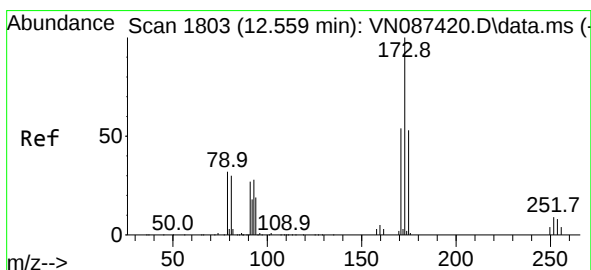
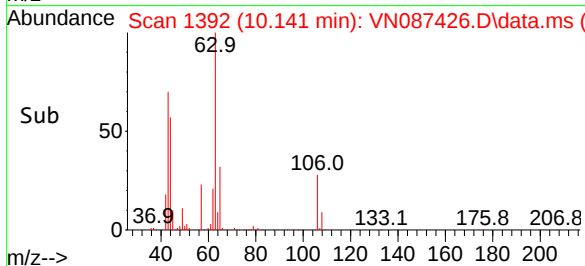
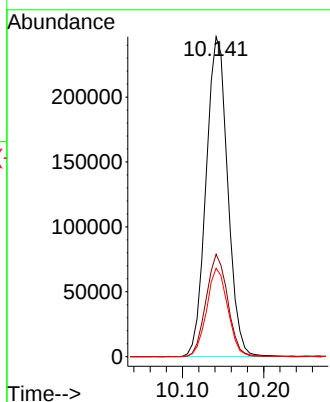
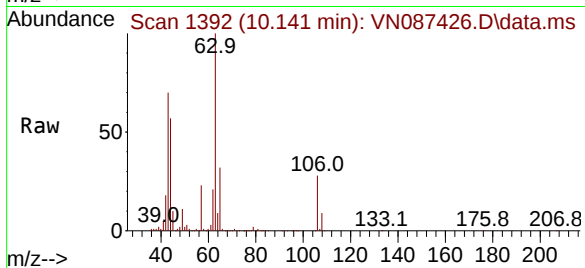
#55  
2-Chloroethyl vinyl ether  
Concen: 112.534 ug/l  
RT: 10.141 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01

Tgt Ion: 63 Resp: 455334  
Ion Ratio Lower Upper  
63 100  
65 32.0 26.2 39.2  
106 27.1 21.3 31.9

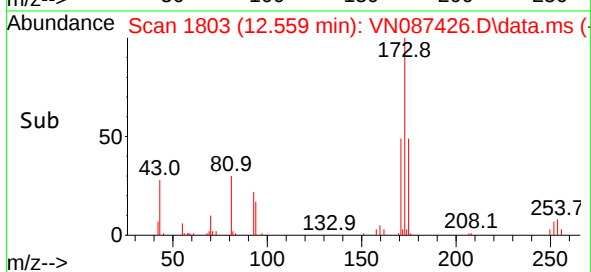
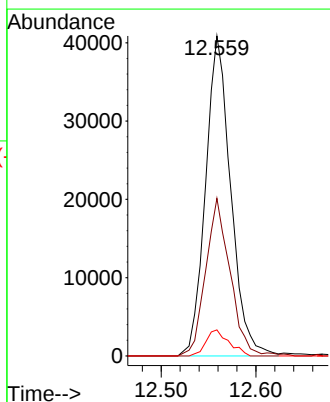
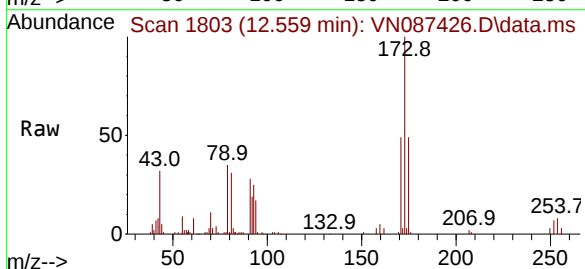
Manual Integrations  
APPROVED

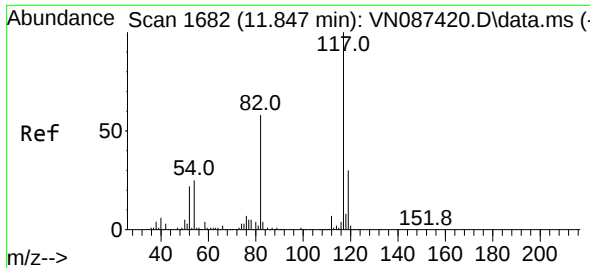
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#56  
Bromoform  
Concen: 17.255 ug/l  
RT: 12.559 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Tgt Ion:173 Resp: 75474  
Ion Ratio Lower Upper  
173 100  
175 47.2 38.4 57.6  
254 7.4 6.4 9.6





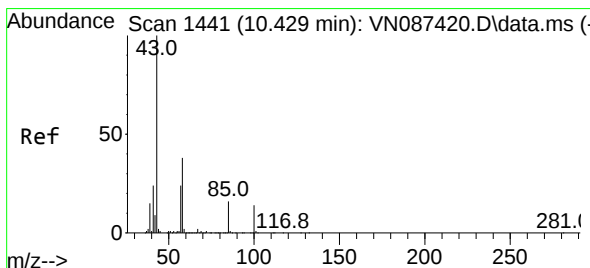
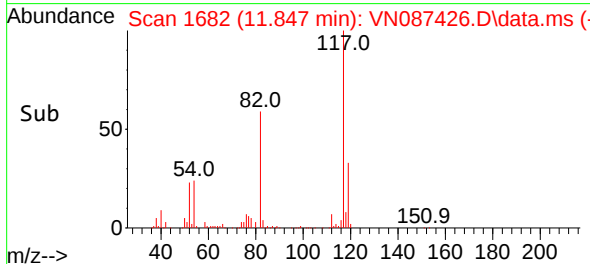
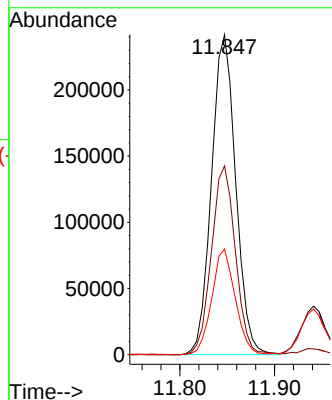
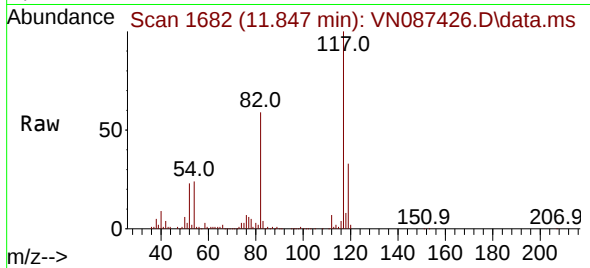
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.847 min Scan# 1682  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01

Tgt Ion:117 Resp: 430169  
Ion Ratio Lower Upper  
117 100  
82 58.4 46.2 69.4  
119 32.0 25.7 38.5

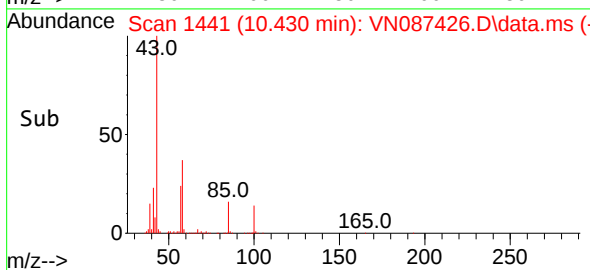
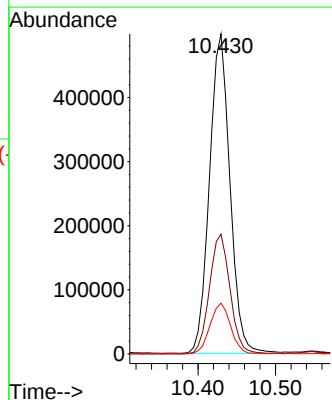
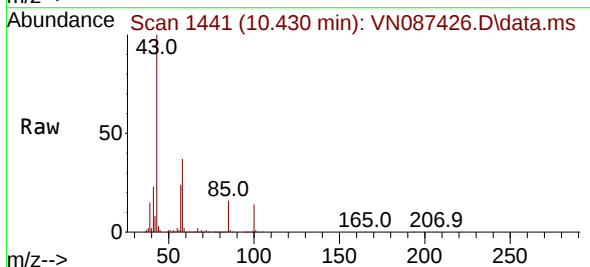
Manual Integrations  
APPROVED

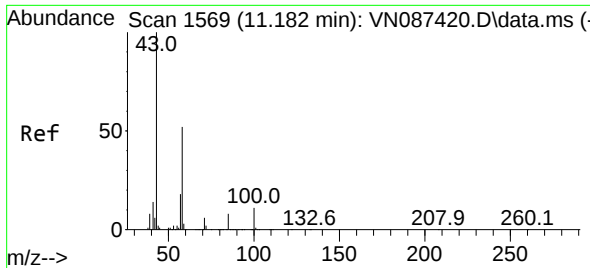
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#58  
4-Methyl-2-Pentanone  
Concen: 94.417 ug/l  
RT: 10.430 min Scan# 1441  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

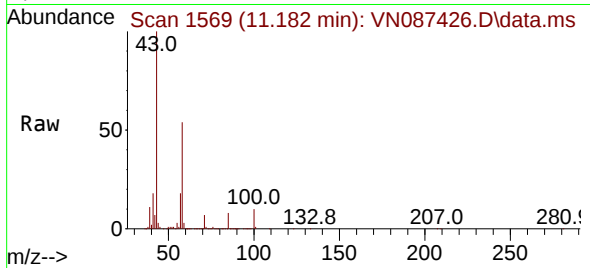
Tgt Ion: 43 Resp: 914849  
Ion Ratio Lower Upper  
43 100  
58 37.6 29.9 44.9  
85 16.0 12.8 19.2





#59  
2-Hexanone  
Concen: 89.422 ug/l  
RT: 11.182 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

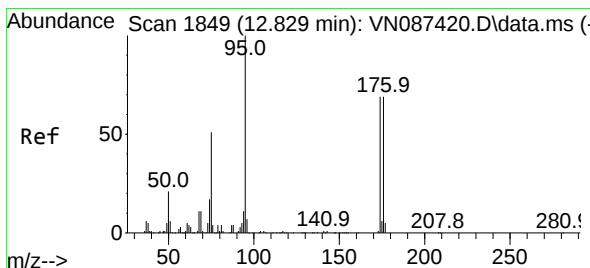
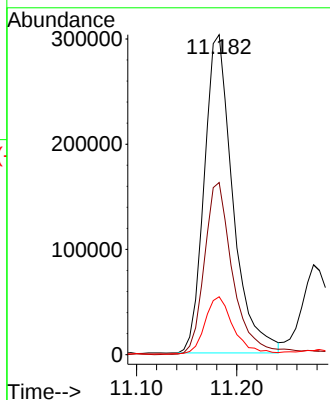
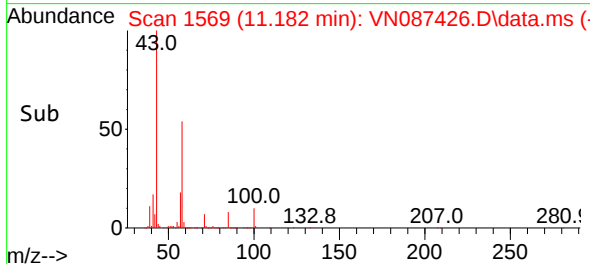
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



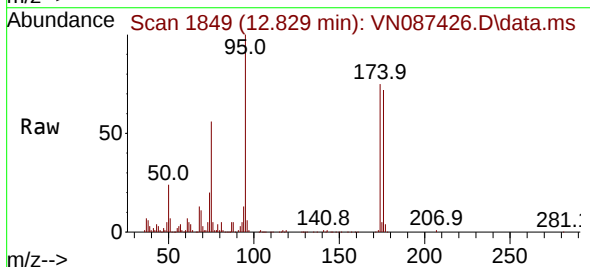
Tgt Ion: 43 Resp: 60045  
Ion Ratio Lower Upper  
43 100  
58 53.9 42.2 63.2  
57 17.9 14.3 21.5

Manual Integrations  
APPROVED

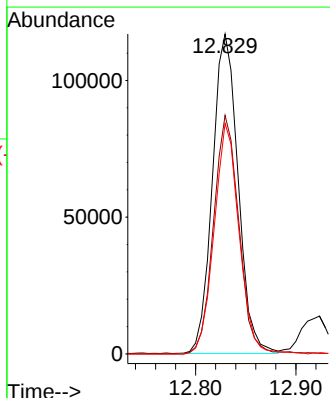
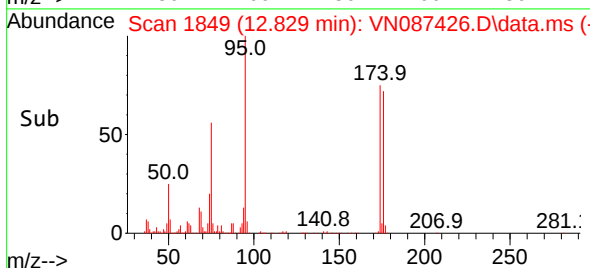
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

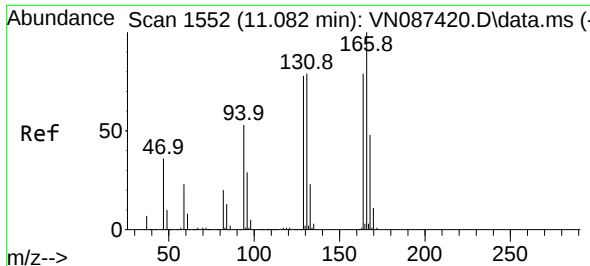


#60  
4-Bromofluorobenzene  
Concen: 29.384 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



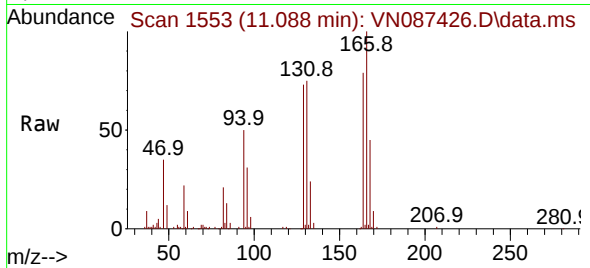
Tgt Ion: 95 Resp: 207570  
Ion Ratio Lower Upper  
95 100  
174 73.3 57.8 86.8  
176 70.1 54.9 82.3





#61  
Tetrachloroethene  
Concen: 17.938 ug/l  
RT: 11.088 min Scan# 1552  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

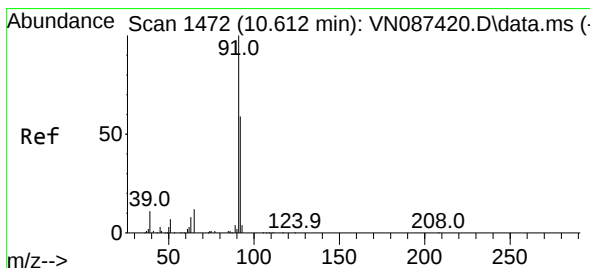
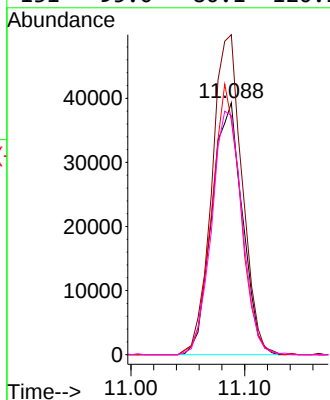
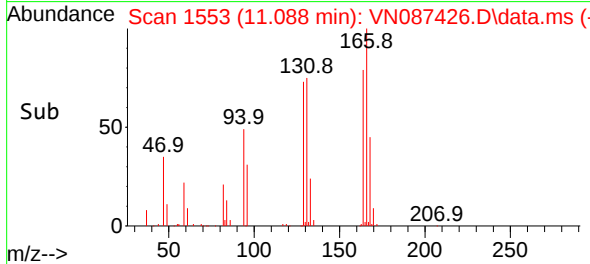
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



Tgt Ion:164 Resp: 7326  
Ion Ratio Lower Upper  
164 100  
166 127.0 101.8 152.8  
129 93.0 79.8 119.8  
131 95.0 80.1 120.1

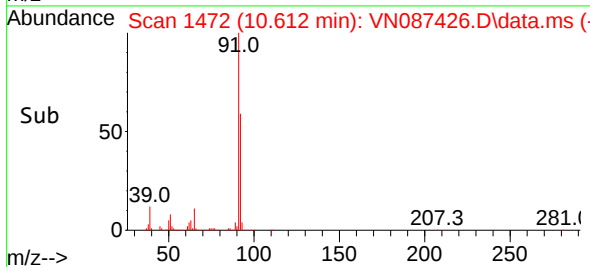
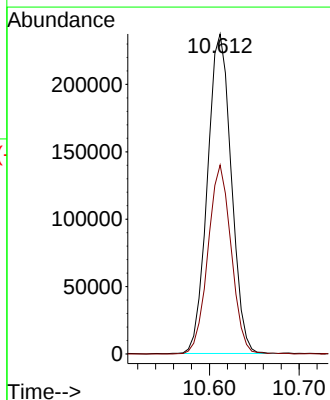
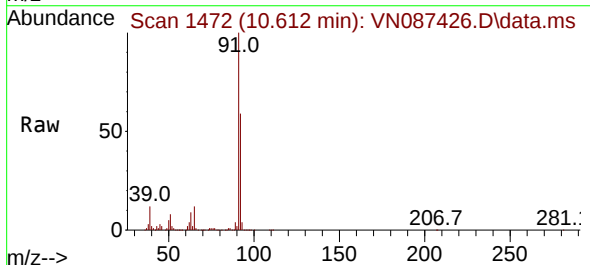
Manual Integrations  
APPROVED

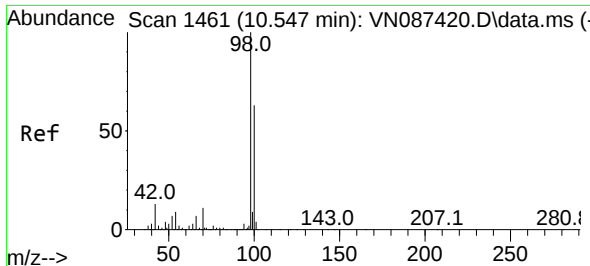
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#62  
Toluene  
Concen: 18.016 ug/l  
RT: 10.612 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

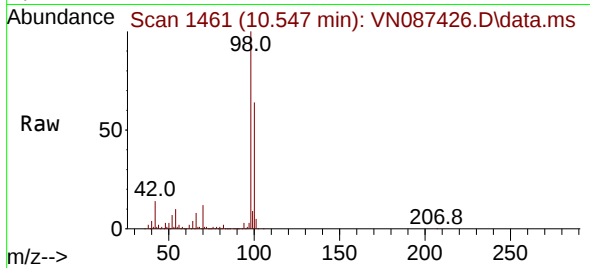
Tgt Ion: 91 Resp: 437376  
Ion Ratio Lower Upper  
91 100  
92 57.6 45.6 68.4





#63  
Toluene-d8  
Concen: 30.429 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

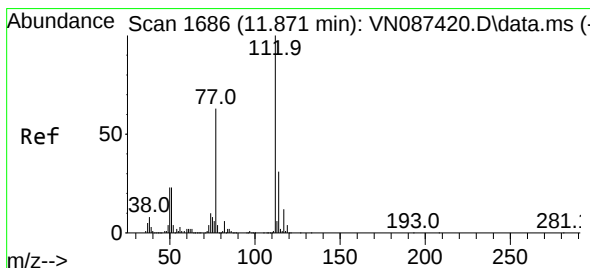
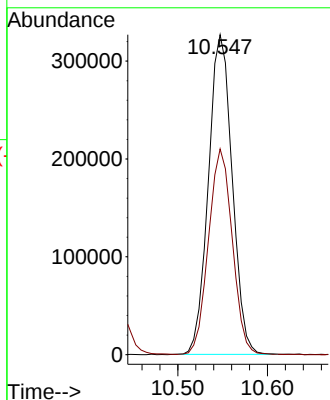
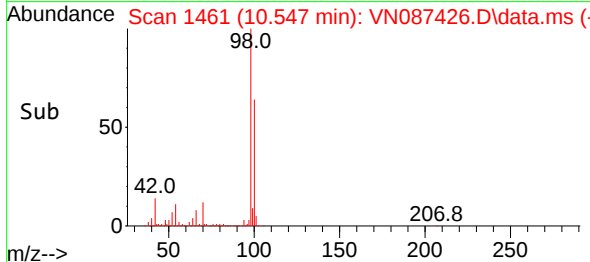
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



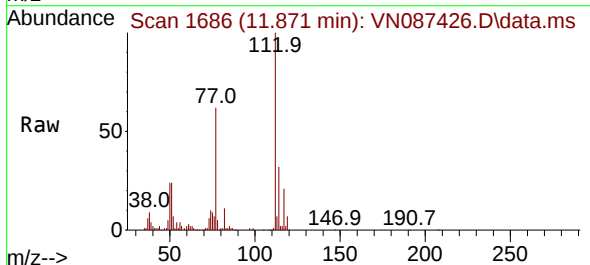
Tgt Ion: 98 Resp: 601134  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.7 76.1

Manual Integrations  
APPROVED

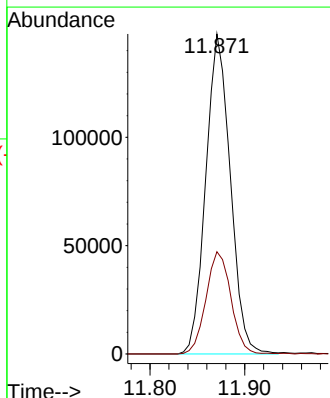
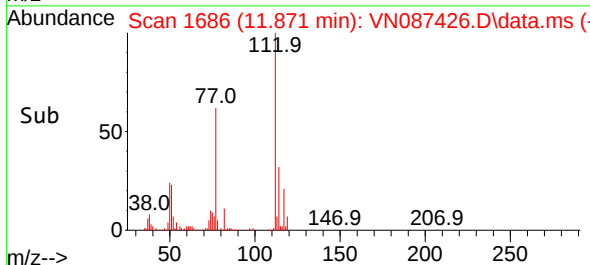
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

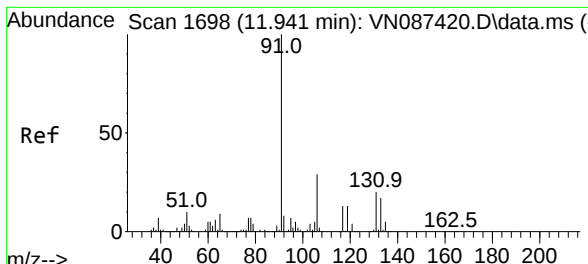


#64  
Chlorobenzene  
Concen: 17.788 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



Tgt Ion:112 Resp: 265566  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.2 37.8



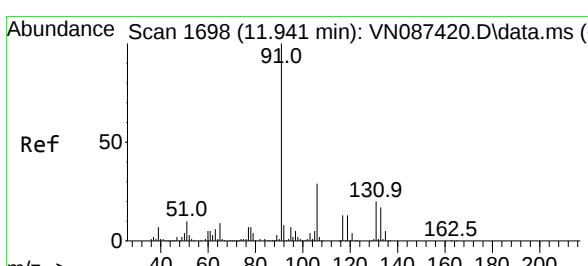
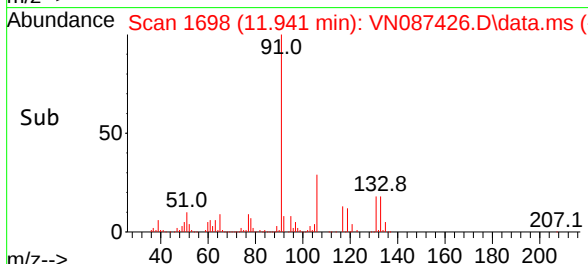
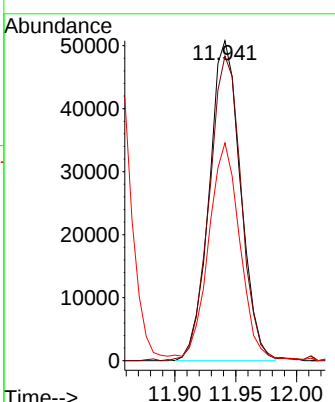
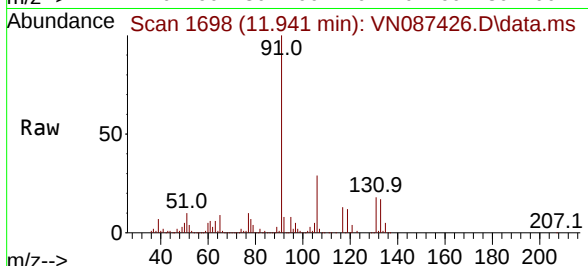


#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 17.942 ug/l  
 RT: 11.941 min Scan# 1698  
 Delta R.T. 0.000 min  
 Lab File: VN087426.D  
 Acq: 28 Jul 2025 12:27

Instrument : MSVOA\_N  
 ClientSampleId : VN0728WBS01

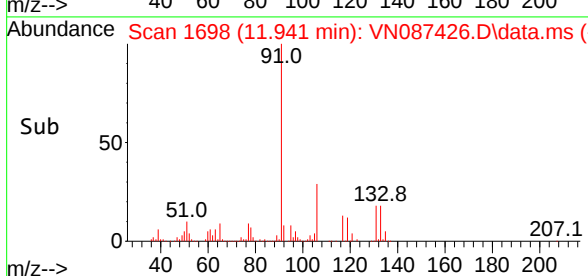
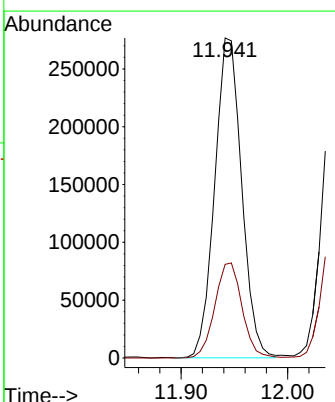
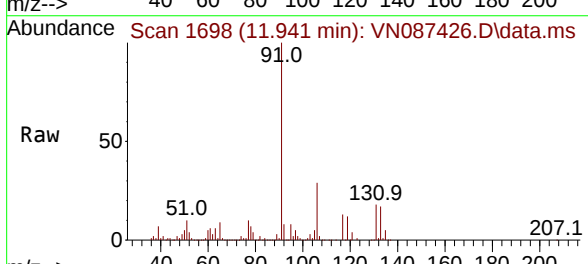
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 131   | Resp: | 9083  |
| Ion Ratio | Lower | Upper |       |
| 131       | 100   |       |       |
| 133       | 97.2  | 0.0   | 184.2 |
| 119       | 67.9  | 0.0   | 136.4 |

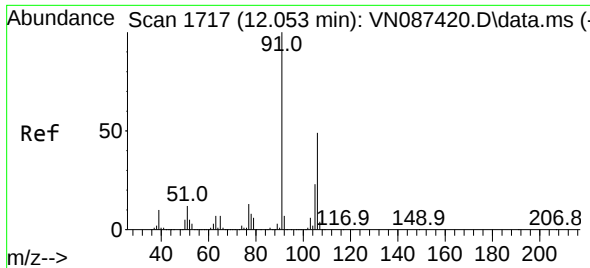
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 07/28/2025  
 Supervised By :Mahesh Dadoda 07/29/2025



#66  
 Ethyl Benzene  
 Concen: 18.283 ug/l  
 RT: 11.941 min Scan# 1698  
 Delta R.T. 0.000 min  
 Lab File: VN087426.D  
 Acq: 28 Jul 2025 12:27

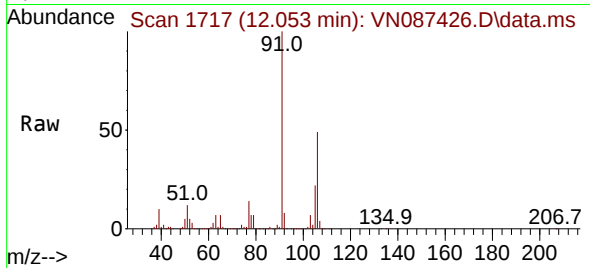
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 484939 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 29.3  | 23.6  | 35.4   |





#67  
m/p-Xylenes  
Concen: 36.571 ug/l  
RT: 12.053 min Scan# 1717  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

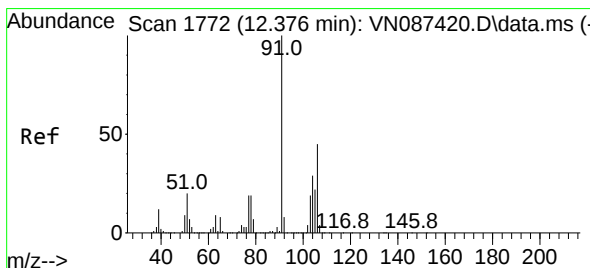
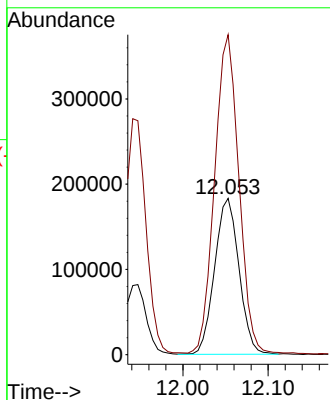
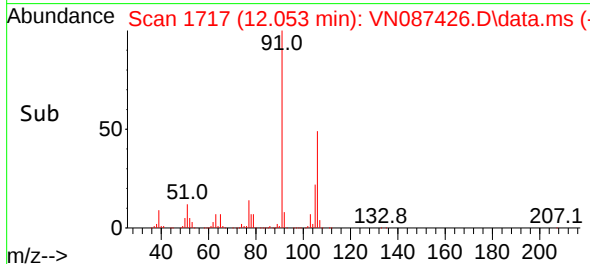
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



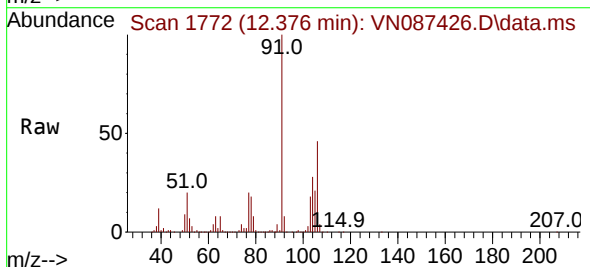
Tgt Ion:106 Resp: 36346  
Ion Ratio Lower Upper  
106 100  
91 204.1 165.4 248.2

Manual Integrations  
APPROVED

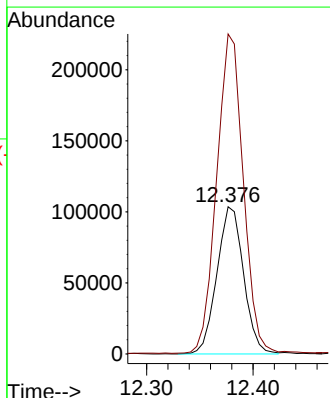
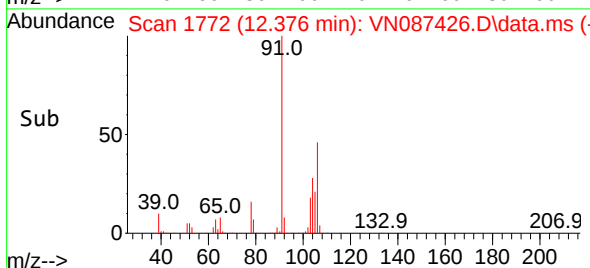
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

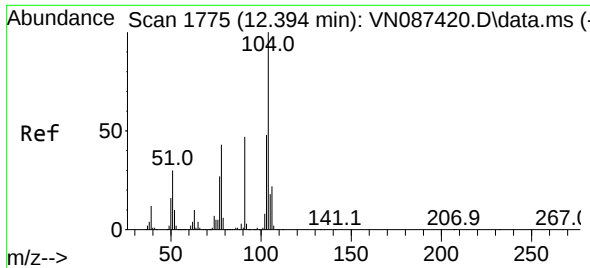


#68  
o-Xylene  
Concen: 18.499 ug/l  
RT: 12.376 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



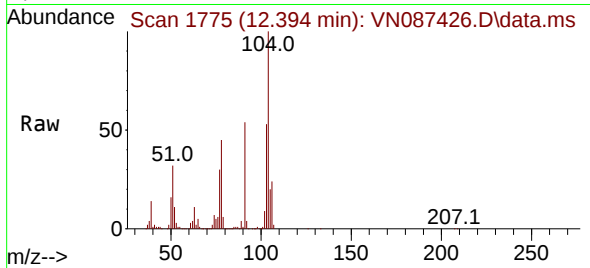
Tgt Ion:106 Resp: 179912  
Ion Ratio Lower Upper  
106 100  
91 215.9 106.9 320.8





#69  
Styrene  
Concen: 17.830 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

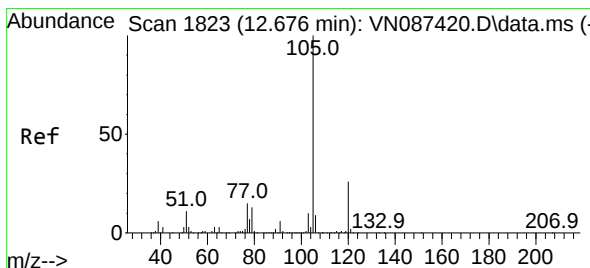
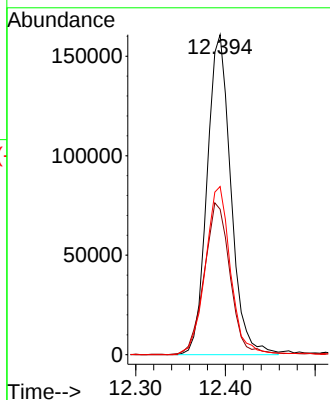
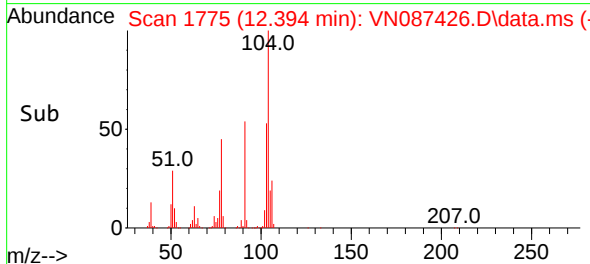
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



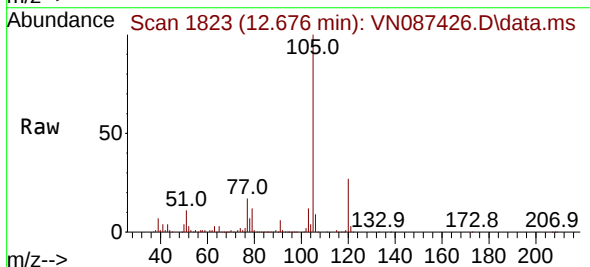
Tgt Ion:104 Resp: 29661  
Ion Ratio Lower Upper  
104 100  
78 51.6 40.6 60.8  
103 55.6 43.8 65.8

Manual Integrations  
APPROVED

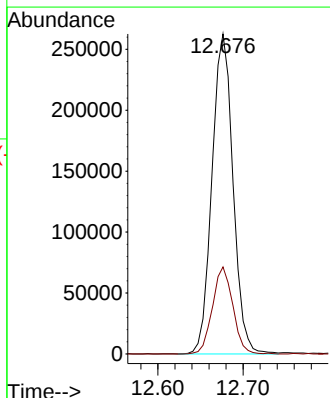
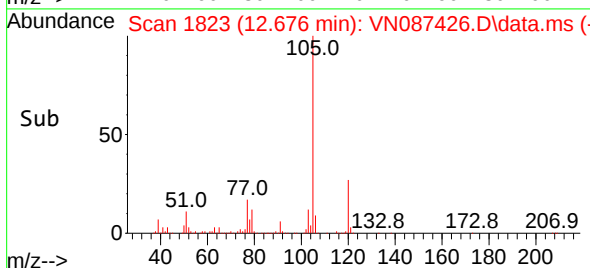
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

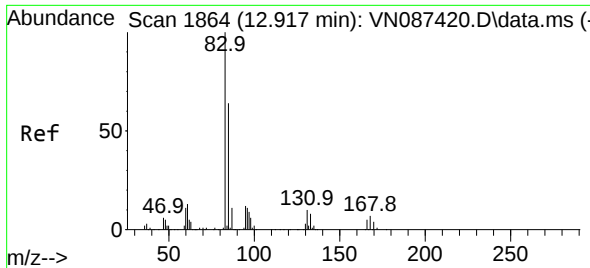


#70  
Isopropylbenzene  
Concen: 18.035 ug/l  
RT: 12.676 min Scan# 1823  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



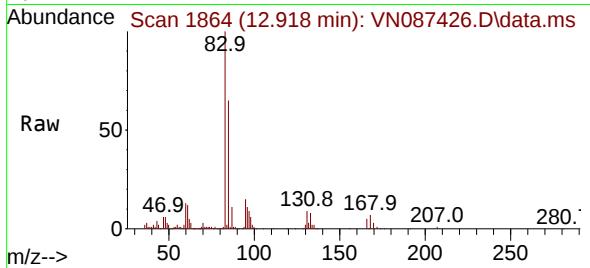
Tgt Ion:105 Resp: 450449  
Ion Ratio Lower Upper  
105 100  
120 26.2 18.1 33.5





#71  
1,1,2,2-Tetrachloroethane  
Concen: 18.184 ug/l  
RT: 12.918 min Scan# 1864  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

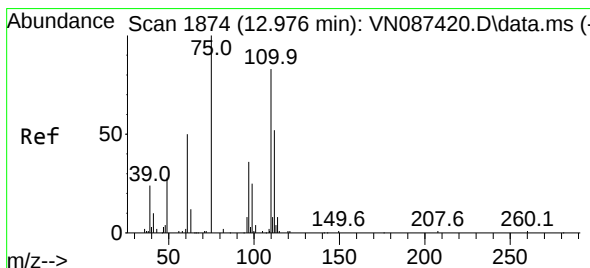
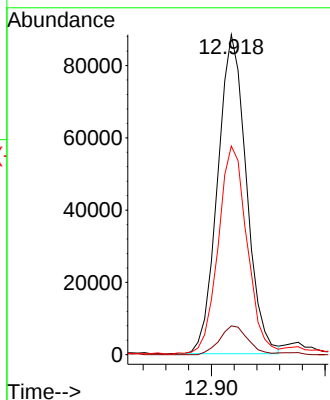
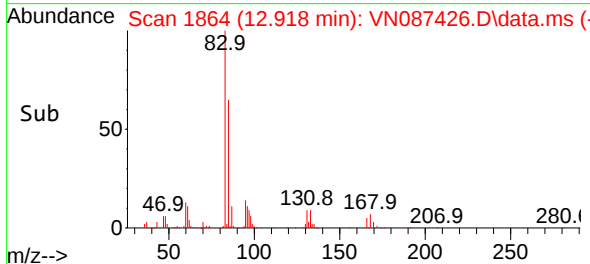
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



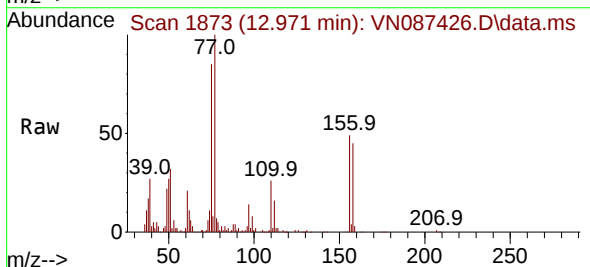
Tgt Ion: 83 Resp: 15486  
Ion Ratio Lower Upper  
83 100  
131 8.9 5.0 14.9  
85 65.4 32.7 98.1

Manual Integrations  
APPROVED

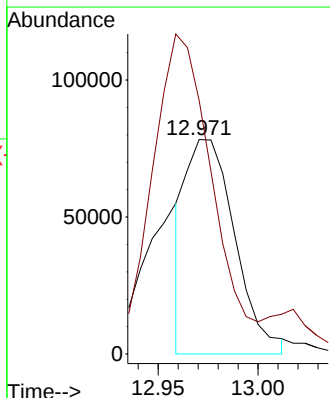
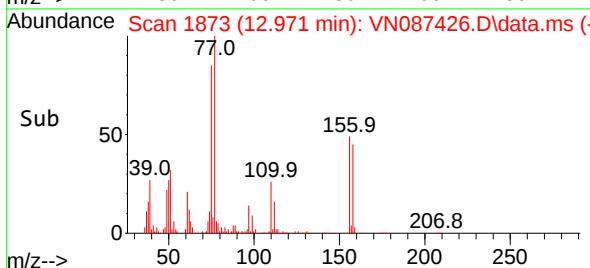
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

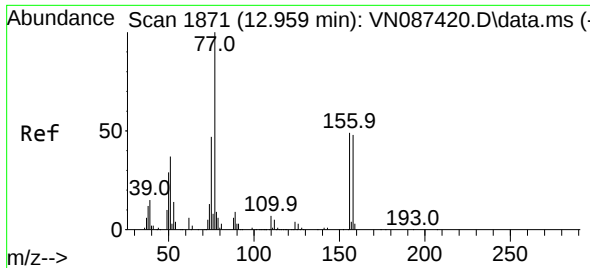


#72  
1,2,3-Trichloropropane  
Concen: 17.278 ug/l m  
RT: 12.971 min Scan# 1873  
Delta R.T. -0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



Tgt Ion: 75 Resp: 133853  
Ion Ratio Lower Upper  
75 100  
77 182.6 0.0 322.6





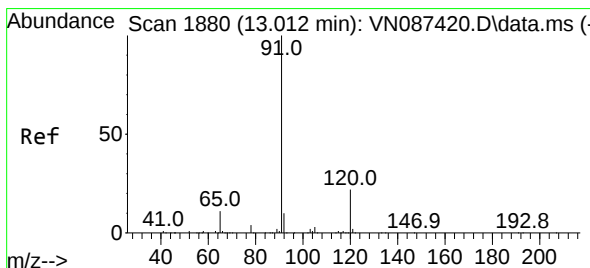
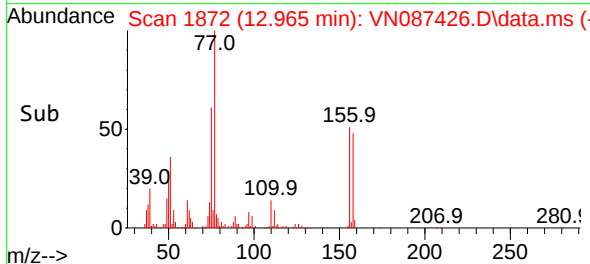
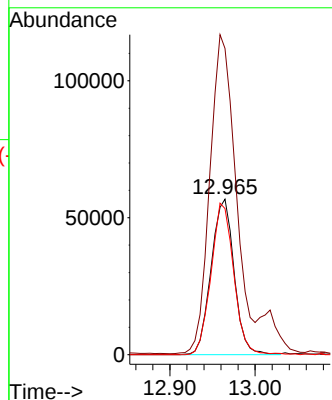
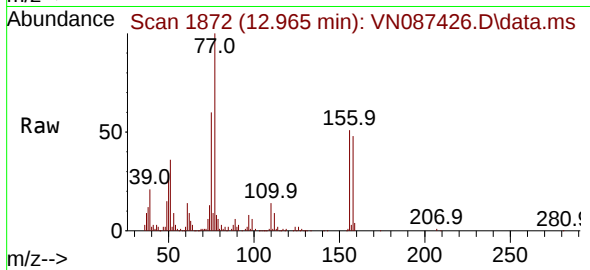
#73  
Bromobenzene  
Concen: 18.338 ug/l  
RT: 12.965 min Scan# 1872  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01

Tgt Ion:156 Resp: 106415  
Ion Ratio Lower Upper  
156 100  
77 229.6 0.0 483.0  
158 95.9 0.0 195.0

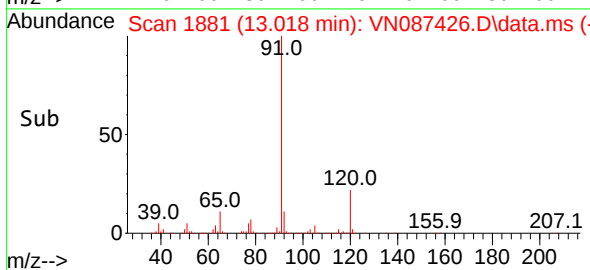
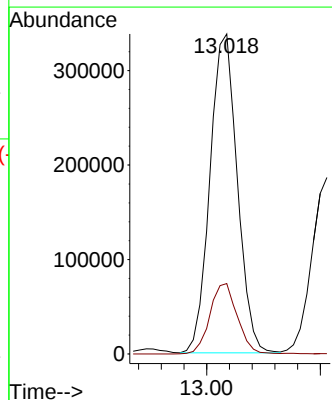
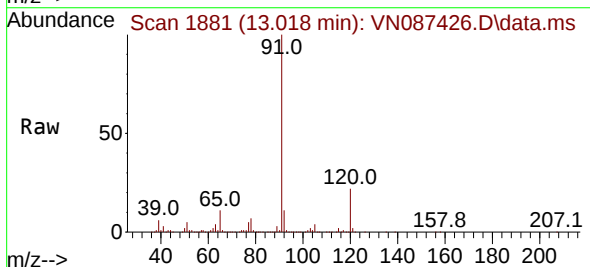
Manual Integrations  
APPROVED

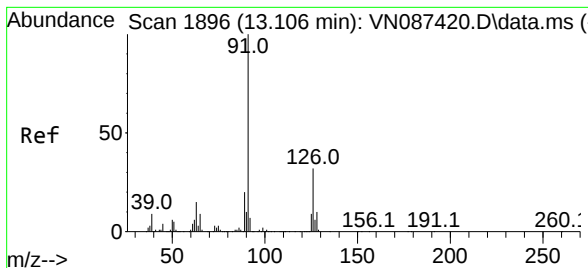
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#74  
n-propylbenzene  
Concen: 18.297 ug/l  
RT: 13.018 min Scan# 1881  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Tgt Ion: 91 Resp: 564224  
Ion Ratio Lower Upper  
91 100  
120 22.1 0.0 44.0





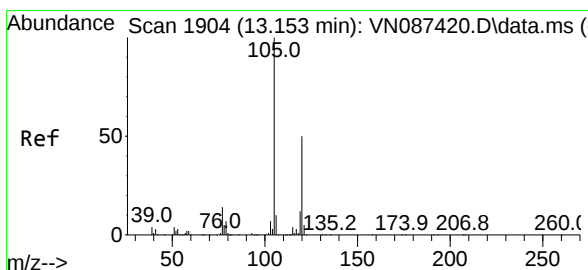
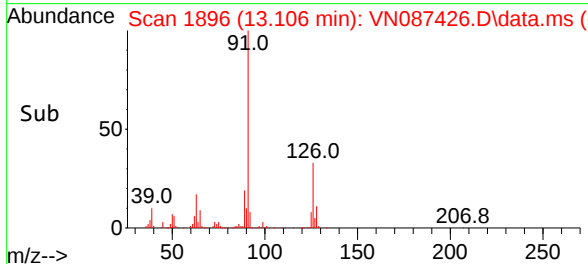
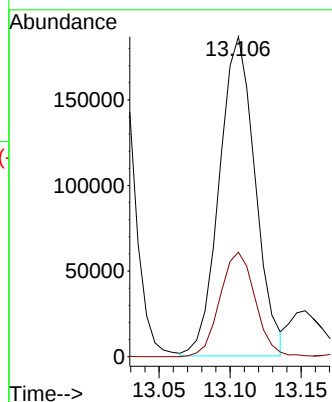
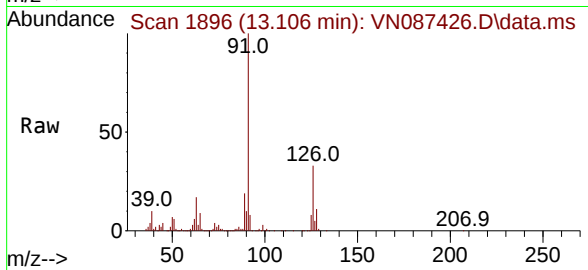
#75  
2-Chlorotoluene  
Concen: 17.926 ug/l  
RT: 13.106 min Scan# 1896  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01

Tgt Ion: 91 Resp: 32806  
Ion Ratio Lower Upper  
91 100  
126 32.2 0.0 64.4

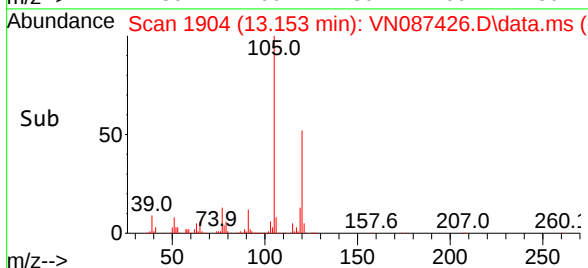
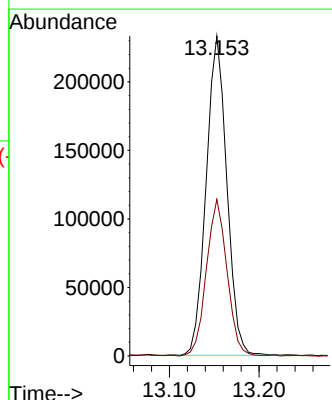
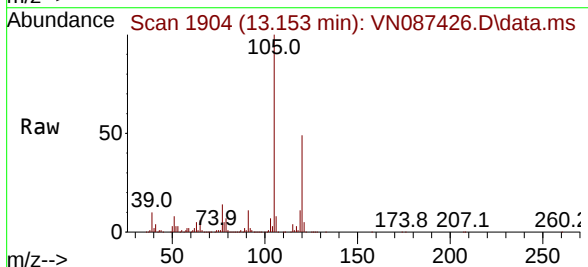
Manual Integrations  
APPROVED

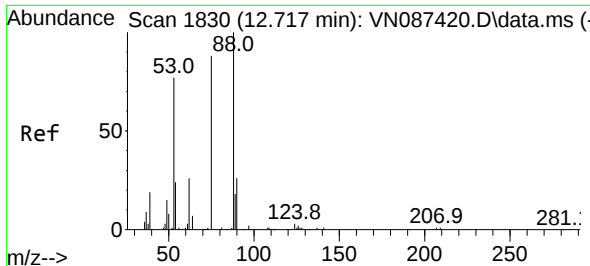
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#76  
1,3,5-Trimethylbenzene  
Concen: 17.978 ug/l  
RT: 13.153 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

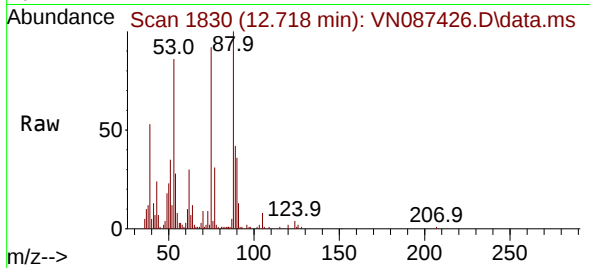
Tgt Ion:105 Resp: 371990  
Ion Ratio Lower Upper  
105 100  
120 49.0 0.0 97.0





#77  
t-1,4-Dichloro-2-butene  
Concen: 16.441 ug/l  
RT: 12.718 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

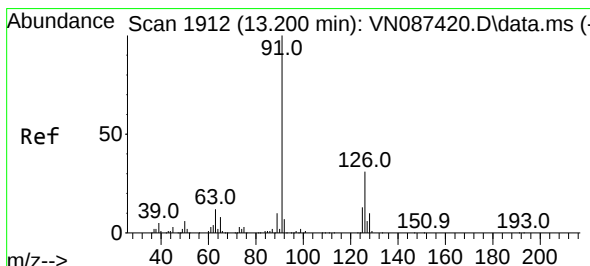
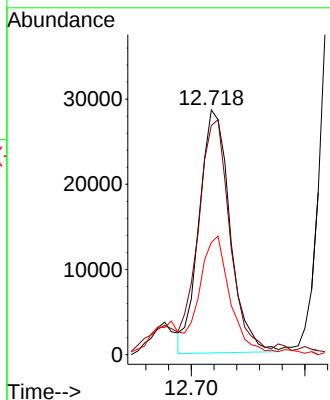
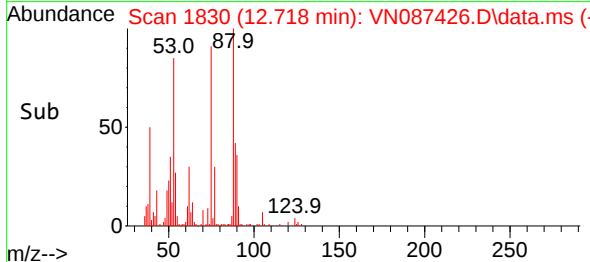
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



Tgt Ion: 75 Resp: 54040  
Ion Ratio Lower Upper  
75 100  
53 91.1 44.3 132.8  
89 45.6 22.4 67.3

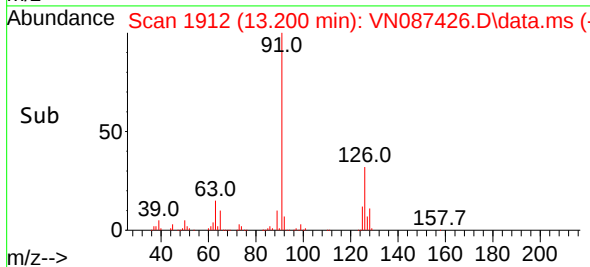
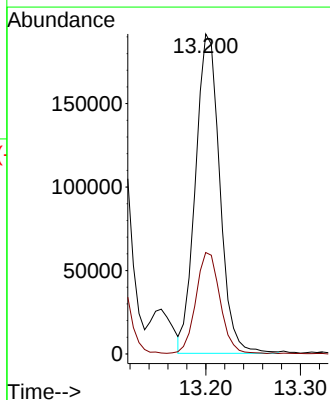
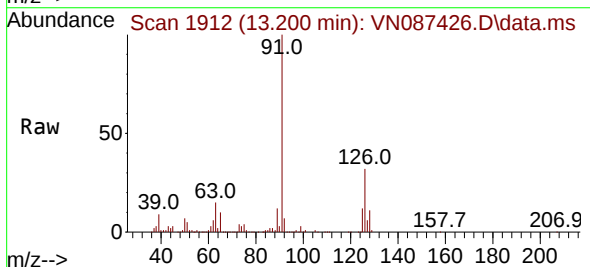
Manual Integrations  
APPROVED

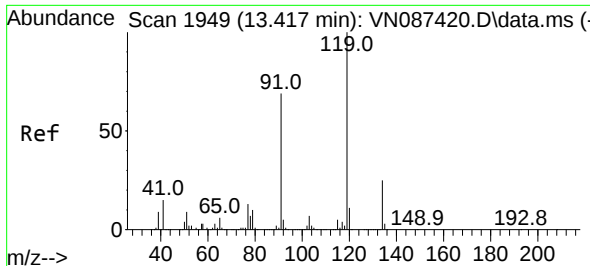
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#78  
4-Chlorotoluene  
Concen: 18.203 ug/l  
RT: 13.200 min Scan# 1912  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

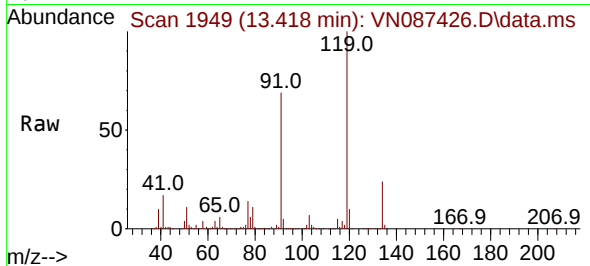
Tgt Ion: 91 Resp: 342077  
Ion Ratio Lower Upper  
91 100  
126 31.8 0.0 63.4





#79  
tert-butylbenzene  
Concen: 18.392 ug/l  
RT: 13.418 min Scan# 1949  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

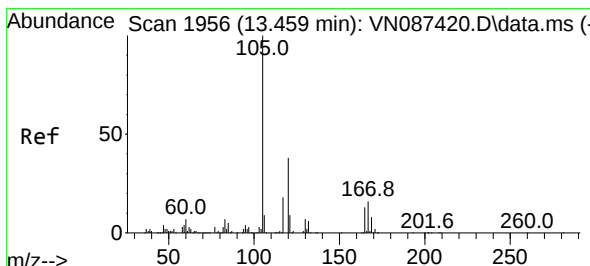
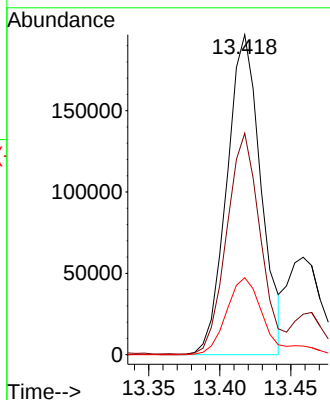
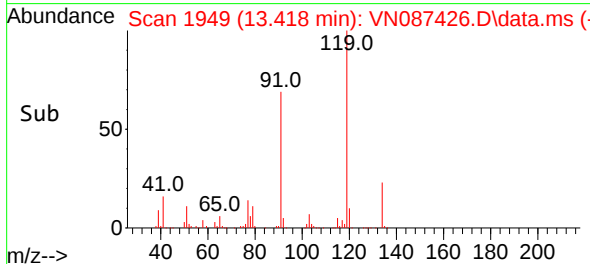
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



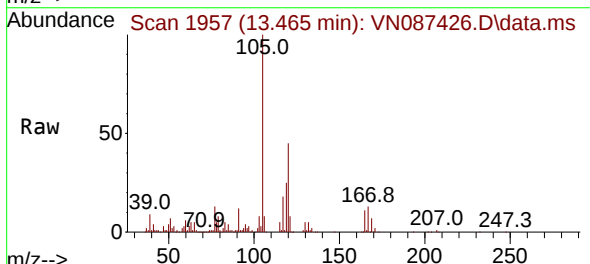
Tgt Ion:119 Resp: 328750  
Ion Ratio Lower Upper  
119 100  
91 68.7 0.0 135.4  
134 24.9 0.0 49.2

Manual Integrations  
APPROVED

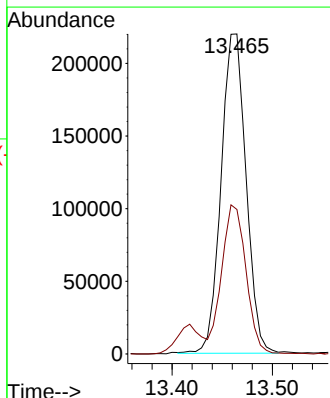
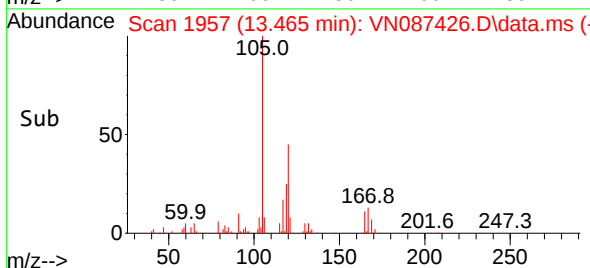
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

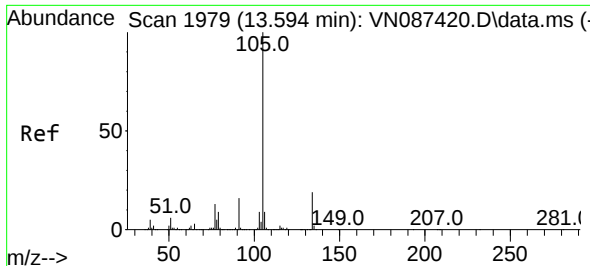


#80  
1,2,4-Trimethylbenzene  
Concen: 18.457 ug/l  
RT: 13.465 min Scan# 1957  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



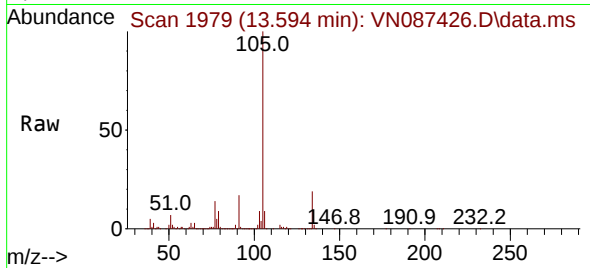
Tgt Ion:105 Resp: 378959  
Ion Ratio Lower Upper  
105 100  
120 45.3 0.0 88.6





#81  
 sec-Butylbenzene  
 Concen: 18.341 ug/l  
 RT: 13.594 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VN087426.D  
 Acq: 28 Jul 2025 12:27

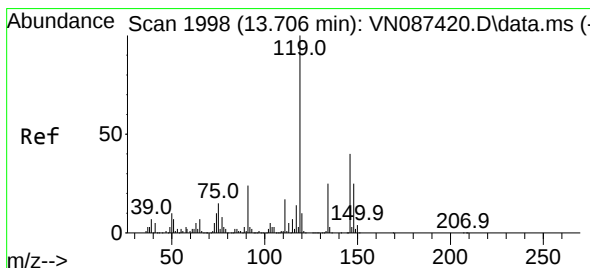
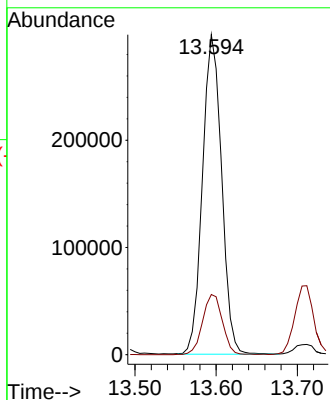
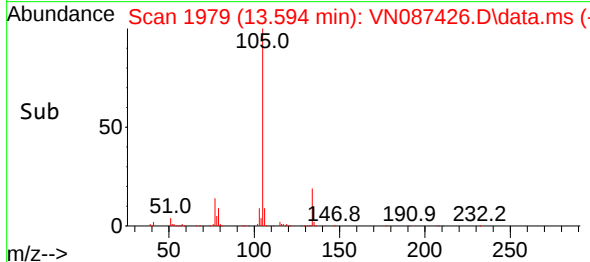
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0728WBS01



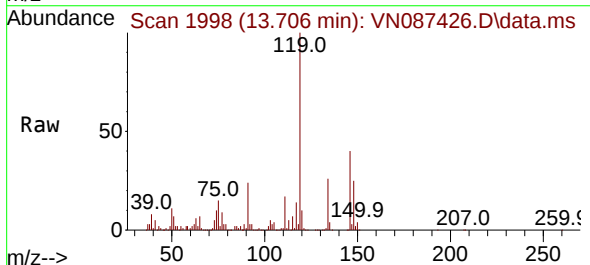
Tgt Ion:105 Resp: 486984  
 Ion Ratio Lower Upper  
 105 100  
 134 19.5 0.0 39.0

Manual Integrations  
 APPROVED

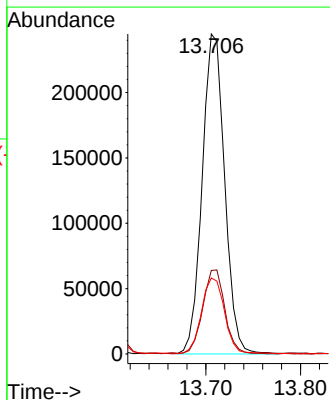
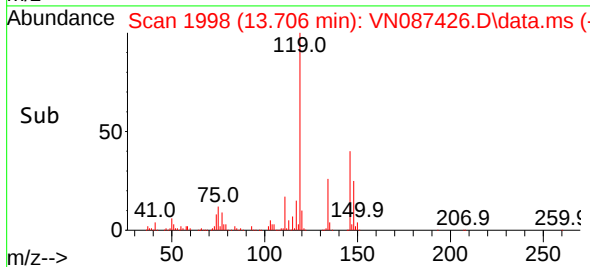
Reviewed By :John Carlone 07/28/2025  
 Supervised By :Mahesh Dadoda 07/29/2025

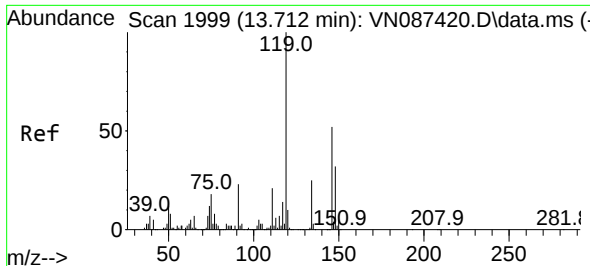


#82  
 p-Isopropyltoluene  
 Concen: 18.783 ug/l  
 RT: 13.706 min Scan# 1998  
 Delta R.T. 0.000 min  
 Lab File: VN087426.D  
 Acq: 28 Jul 2025 12:27



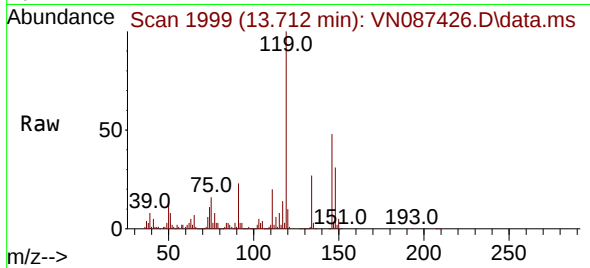
Tgt Ion:119 Resp: 404782  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 0.0 50.8  
 91 23.9 0.0 47.6





#83  
1,3-Dichlorobenzene  
Concen: 18.591 ug/l  
RT: 13.712 min Scan# 1999  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

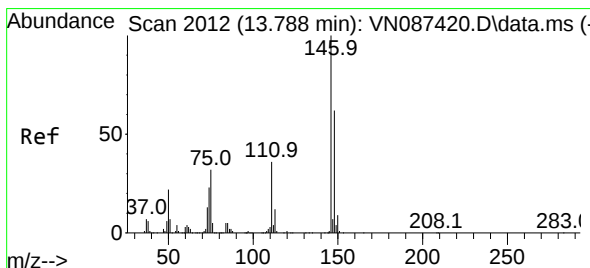
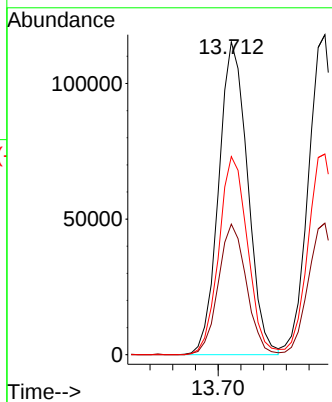
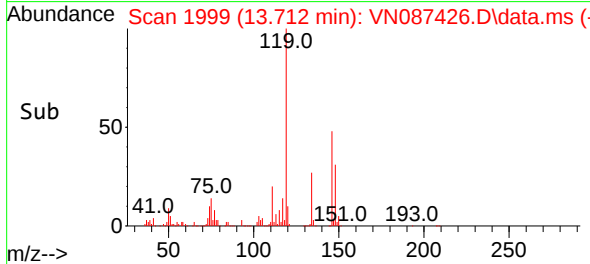
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



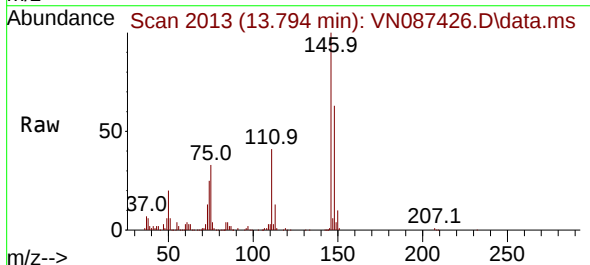
Tgt Ion:146 Resp: 204168  
Ion Ratio Lower Upper  
146 100  
111 40.5 19.9 59.7  
148 62.8 31.9 95.5

Manual Integrations  
APPROVED

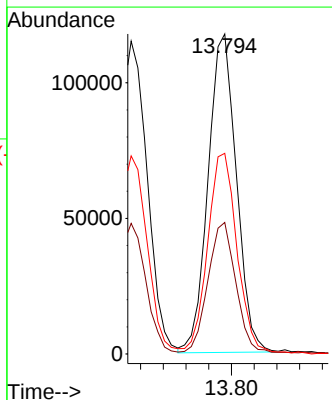
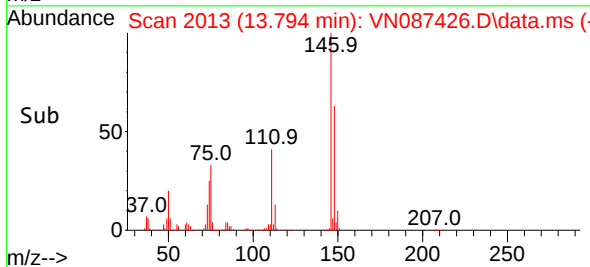
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

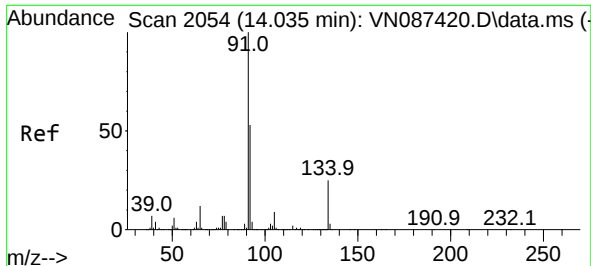


#84  
1,4-Dichlorobenzene  
Concen: 17.712 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



Tgt Ion:146 Resp: 203414  
Ion Ratio Lower Upper  
146 100  
111 40.6 19.1 57.3  
148 65.6 31.4 94.2





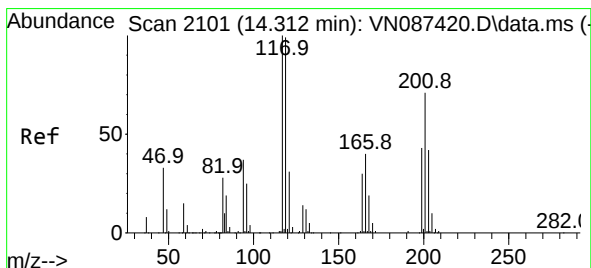
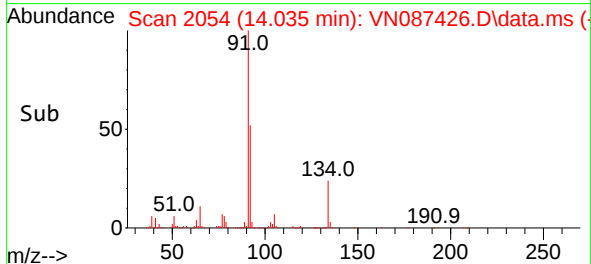
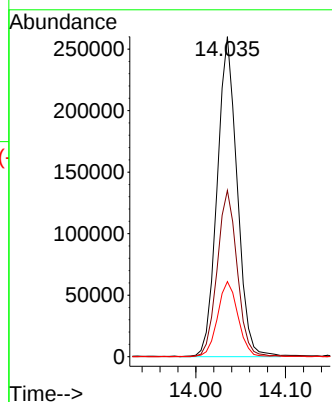
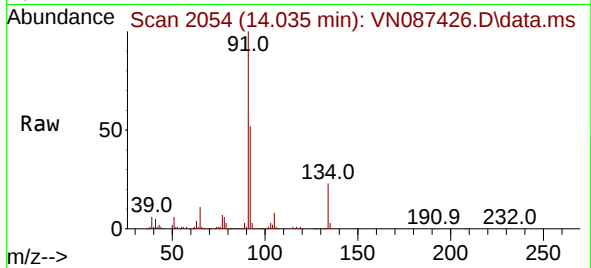
#85  
n-Butylbenzene  
Concen: 18.527 ug/l  
RT: 14.035 min Scan# 2054  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01

Tgt Ion: 91 Resp: 40210  
Ion Ratio Lower Upper  
91 100  
92 51.9 0.0 104.8  
134 24.0 0.0 49.0

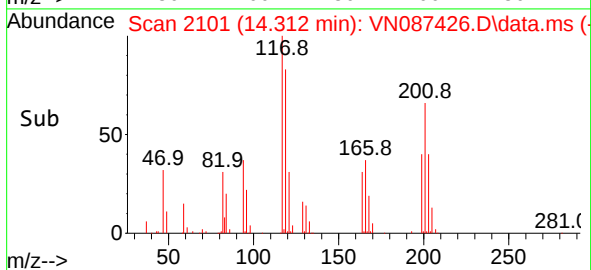
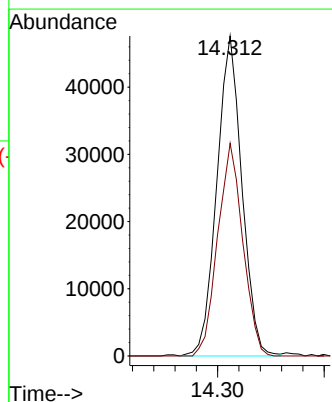
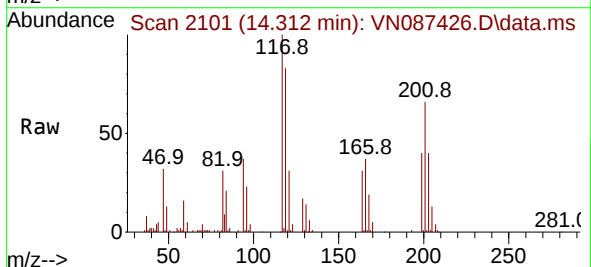
Manual Integrations  
APPROVED

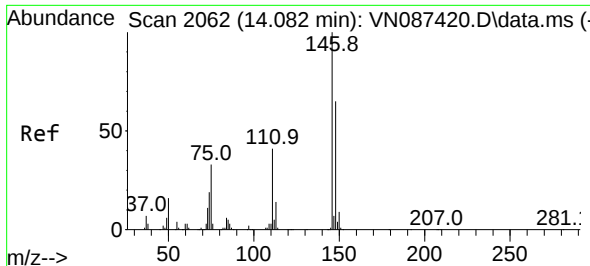
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#86  
Hexachloroethane  
Concen: 17.774 ug/l  
RT: 14.312 min Scan# 2101  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

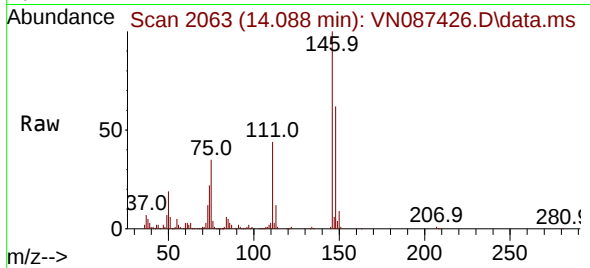
Tgt Ion:117 Resp: 77797  
Ion Ratio Lower Upper  
117 100  
201 66.3 32.7 98.1





#87  
1,2-Dichlorobenzene  
Concen: 18.405 ug/l  
RT: 14.088 min Scan# 2062  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

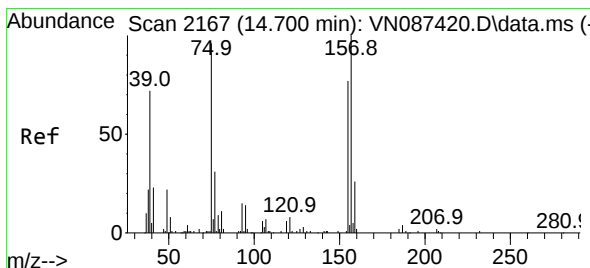
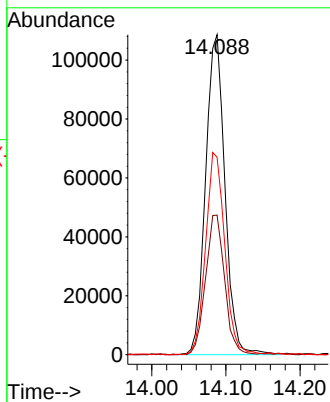
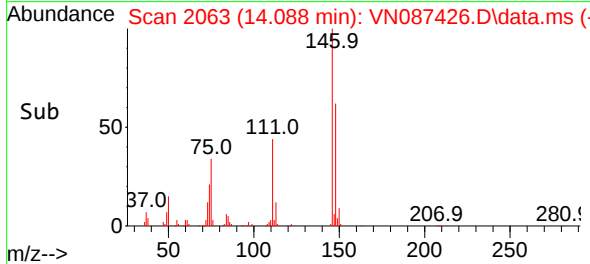
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



Tgt Ion:146 Resp: 19649  
Ion Ratio Lower Upper  
146 100  
111 43.0 20.6 61.9  
148 62.8 32.5 97.5

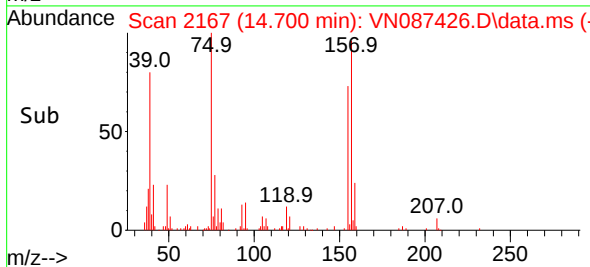
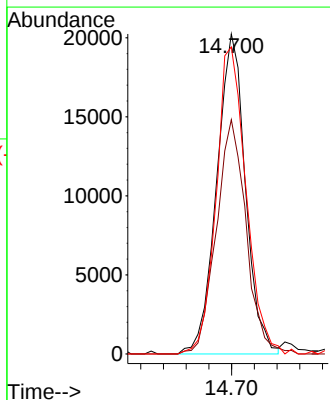
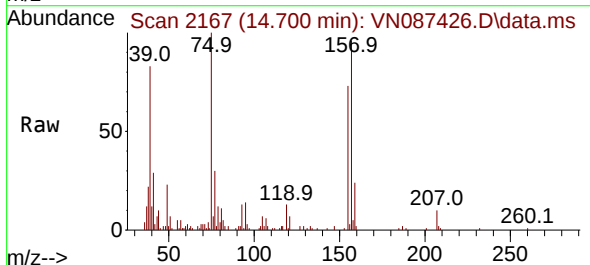
Manual Integrations  
APPROVED

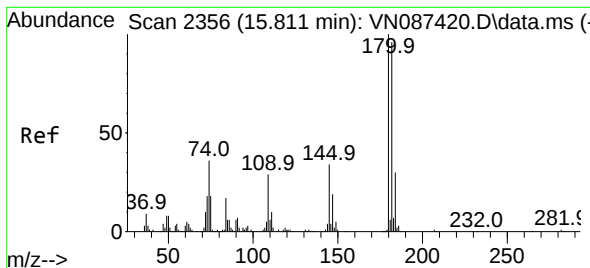
Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 18.094 ug/l  
RT: 14.700 min Scan# 2167  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

Tgt Ion: 75 Resp: 35569  
Ion Ratio Lower Upper  
75 100  
155 76.0 64.4 96.6  
157 99.4 82.3 123.5





#89

1,2,4-Trichlorobenzene

Concen: 17.744 ug/l

RT: 15.812 min Scan# 2356

Delta R.T. 0.000 min

Lab File: VN087426.D

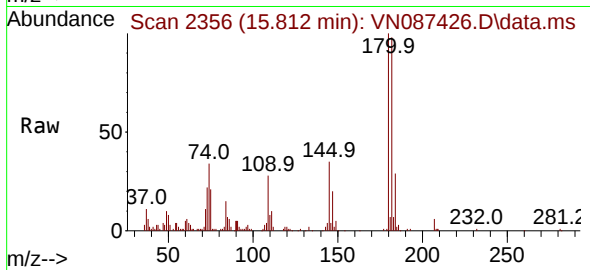
Acq: 28 Jul 2025 12:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0728WBS01



Tgt Ion:180 Resp: 115539

Ion Ratio Lower Upper

180 100

182 96.8 74.7 112.1

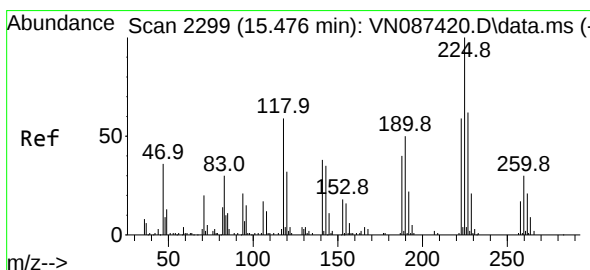
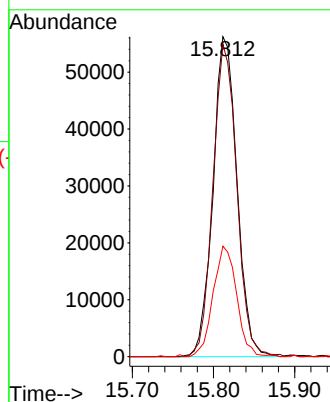
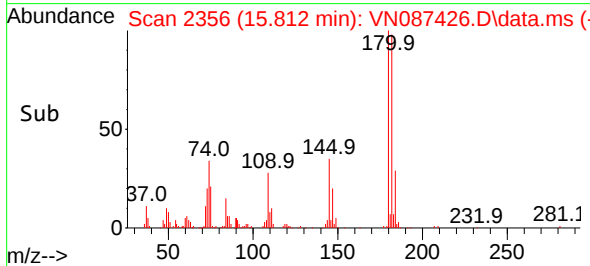
145 33.9 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#90

Hexachlorobutadiene

Concen: 18.829 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. 0.000 min

Lab File: VN087426.D

Acq: 28 Jul 2025 12:27

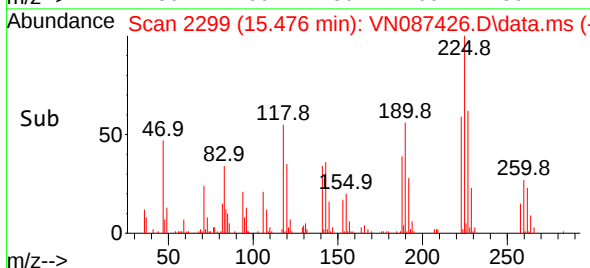
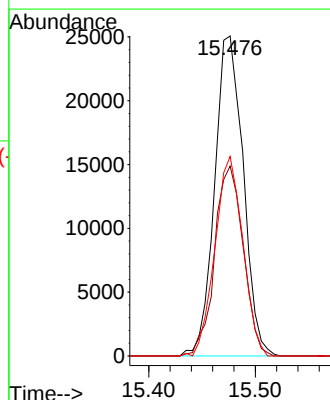
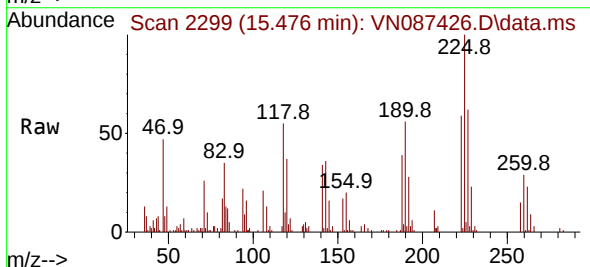
Tgt Ion:225 Resp: 46680

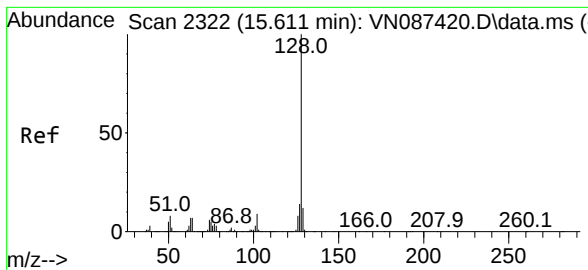
Ion Ratio Lower Upper

225 100

223 59.5 0.0 125.4

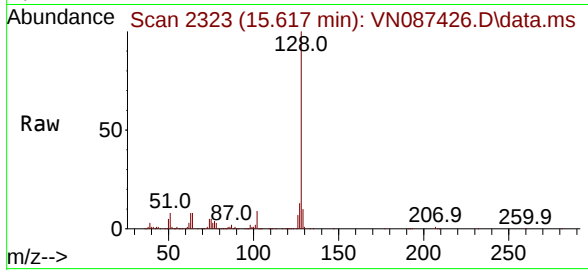
227 60.7 0.0 125.0





#91  
Naphthalene  
Concen: 18.395 ug/l  
RT: 15.617 min Scan# 2322  
Delta R.T. 0.006 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27

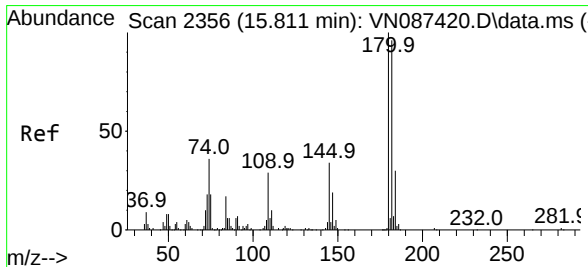
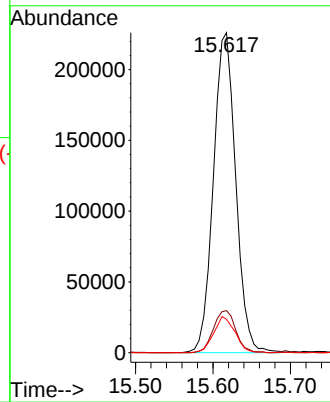
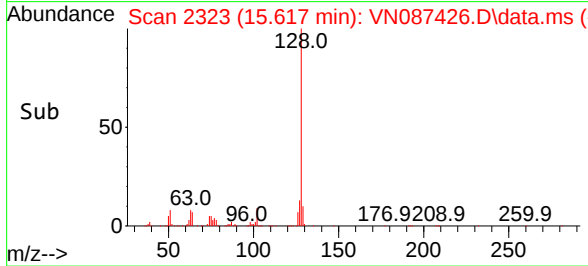
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0728WBS01



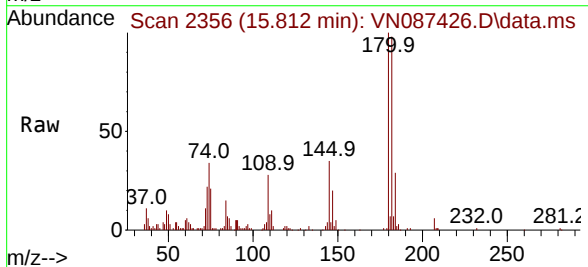
Tgt Ion:128 Resp: 452700  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.7 16.1  
129 10.8 9.1 13.7

Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



#92  
1,2,3-Trichlorobenzene  
Concen: 17.744 ug/l  
RT: 15.812 min Scan# 2356  
Delta R.T. 0.000 min  
Lab File: VN087426.D  
Acq: 28 Jul 2025 12:27



Tgt Ion:180 Resp: 115539  
Ion Ratio Lower Upper  
180 100  
182 96.8 0.0 186.8  
145 33.9 0.0 68.6

