

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041125\  
 Data File : VN086249.D  
 Acq On : 11 Apr 2025 14:38  
 Operator : JC\MD  
 Sample : VN0411WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0411WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/14/2025  
 Supervised By : Mahesh Dadoda 04/14/2025

Quant Time: Apr 12 01:48:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N041125W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Apr 12 01:21:52 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Bromochloromethane        | 7.812          | 128  | 32103               | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100          | 114  | 201467              | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865         | 117  | 175632              | 30.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.577          | 65   | 95625               | 30.539  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 101.800% |         |        |          |
| 60) 4-Bromofluorobenzene     | 12.847         | 95   | 104335              | 29.838  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 99.467%  |         |        |          |
| 63) Toluene-d8               | 10.565         | 98   | 300690              | 30.325  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 101.100% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 58287               | 22.661  | ug/l   | 99       |
| 3) Chloromethane             | 2.359          | 50   | 76833               | 21.612  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.518          | 62   | 72960               | 21.546  | ug/l   | 100      |
| 5) Bromomethane              | 2.965          | 94   | 34468               | 20.406  | ug/l   | 92       |
| 6) Chloroethane              | 3.124          | 64   | 45142               | 21.111  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.501          | 101  | 78964               | 21.497  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.959          | 74   | 35948               | 21.221  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 49466               | 21.838  | ug/l   | 99       |
| 10) 1,1-Dichloroethene       | 4.342          | 96   | 52323               | 21.404  | ug/l   | 97       |
| 11) Methyl Iodide            | 4.589          | 142  | 59569               | 21.202  | ug/l   | 99       |
| 12) Methyl Acetate           | 5.024          | 43   | 69220               | 20.052  | ug/l   | 98       |
| 13) Acrolein                 | 4.177          | 56   | 30590               | 77.958  | ug/l   | 99       |
| 14) Acrylonitrile            | 5.712          | 53   | 145157              | 99.606  | ug/l   | 98       |
| 15) Acetone                  | 4.424          | 58   | 35289               | 95.503  | ug/l   | 93       |
| 16) Carbon Disulfide         | 4.712          | 76   | 153034              | 21.832  | ug/l   | 99       |
| 17) Allyl chloride           | 5.024          | 41   | 91394               | 21.451  | ug/l   | 98       |
| 18) Methylene Chloride       | 5.277          | 84   | 59182               | 21.234  | ug/l   | 97       |
| 19) trans-1,2-Dichloroethene | 5.783          | 96   | 53765               | 20.881  | ug/l   | 99       |
| 20) Diisopropyl ether        | 6.665          | 45   | 200652              | 21.906  | ug/l   | 98       |
| 21) 1,1-Dichloroethane       | 6.565          | 63   | 106184              | 21.728  | ug/l   | 99       |
| 22) cis-1,2-Dichloroethene   | 7.483          | 96   | 65736               | 21.431  | ug/l   | 98       |
| 23) tert-Butyl Alcohol       | 5.506          | 59   | 57260               | 94.827  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.794          | 73   | 187291              | 21.230  | ug/l   | 99       |
| 25) Chloroform               | 7.965          | 83   | 101051              | 21.684  | ug/l   | 98       |
| 26) Cyclohexane              | 8.253          | 56   | 98792               | 21.608  | ug/l # | 98       |
| 29) 1,1-Dichloropropene      | 8.371          | 75   | 75242               | 20.848  | ug/l   | 98       |
| 30) 2-Butanone               | 7.477          | 43   | 193486              | 96.751  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.488          | 77   | 93697               | 21.091  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 85736               | 20.651  | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 8.359          | 117  | 69324               | 20.895  | ug/l   | 97       |
| 34) Benzene                  | 8.600          | 78   | 240800              | 20.972  | ug/l   | 95       |
| 35) Methacrylonitrile        | 7.777          | 41   | 44549               | 19.760  | ug/l   | 96       |
| 36) 1,2-Dichloroethane       | 8.665          | 62   | 75064               | 20.892  | ug/l   | 99       |
| 37) Trichloroethene          | 9.347          | 130  | 55823               | 20.150  | ug/l   | 92       |
| 38) Methylcyclohexane        | 9.594          | 83   | 92449               | 20.887  | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 9.618          | 63   | 59643               | 20.876  | ug/l   | 97       |
| 40) Dibromomethane           | 9.706          | 93   | 36945               | 20.021  | ug/l   | 99       |
| 41) Bromodichloromethane     | 9.882          | 83   | 81655               | 20.598  | ug/l   | 99       |
| 42) Vinyl Acetate            | 6.594          | 43   | 723573              | 106.292 | ug/l   | 100      |

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 Operator : JC\MD  
 Sample : VN0411WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0411WBS01

Manual Integrations  
 APPROVED

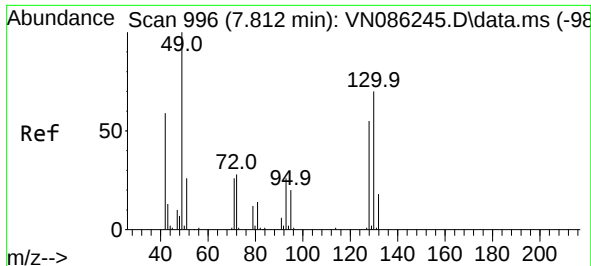
Reviewed By : John Carlone 04/14/2025  
 Supervised By : Mahesh Dadoda 04/14/2025

Quant Time : Apr 12 01:48:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N041125W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Apr 12 01:21:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.553  | 43   | 77965    | 19.328  | ug/l   | 98       |
| 44) Isopropyl Acetate         | 8.683  | 43   | 150010   | 20.046  | ug/l   | 99       |
| 45) 1,4-Dioxane               | 9.688  | 88   | 21831    | 366.878 | ug/l # | 93       |
| 46) Methyl methacrylate       | 9.677  | 41   | 66579    | 20.193  | ug/l   | 99       |
| 47) n-amyl Acetate            | 12.488 | 43   | 118327   | 19.943  | ug/l   | 100      |
| 48) t-1,3-Dichloropropene     | 10.829 | 75   | 92056    | 20.541  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene   | 10.306 | 75   | 98100    | 20.682  | ug/l   | 95       |
| 50) 1,1,2-Trichloroethane     | 11.012 | 97   | 52750    | 20.382  | ug/l   | 98       |
| 51) Ethyl methacrylate        | 10.871 | 69   | 97258    | 20.222  | ug/l   | 98       |
| 52) 1,3-Dichloropropane       | 11.159 | 76   | 96585    | 20.938  | ug/l   | 100      |
| 53) Dibromochloromethane      | 11.353 | 129  | 57663    | 20.369  | ug/l   | 98       |
| 54) 1,2-Dibromoethane         | 11.465 | 107  | 52283    | 20.012  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.153 | 63   | 182299   | 100.309 | ug/l   | 100      |
| 56) Bromoform                 | 12.576 | 173  | 36790    | 19.864  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.441 | 43   | 405618   | 101.770 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.194 | 43   | 298673   | 100.637 | ug/l   | 100      |
| 61) Tetrachloroethene         | 11.100 | 164  | 54335    | 20.949  | ug/l   | 98       |
| 62) Toluene                   | 10.624 | 91   | 251566   | 21.355  | ug/l   | 100      |
| 64) Chlorobenzene             | 11.888 | 112  | 148243   | 20.597  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 50696    | 21.344  | ug/l   | 100      |
| 66) Ethyl Benzene             | 11.959 | 91   | 273823   | 20.960  | ug/l   | 98       |
| 67) m/p-Xylenes               | 12.065 | 106  | 202596   | 41.705  | ug/l   | 98       |
| 68) o-Xylene                  | 12.394 | 106  | 100957   | 21.129  | ug/l   | 99       |
| 69) Styrene                   | 12.406 | 104  | 168655   | 20.929  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.694 | 105  | 249762   | 21.200  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 69753    | 20.801  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 12.988 | 75   | 70785m   | 20.279  | ug/l   |          |
| 73) Bromobenzene              | 12.976 | 156  | 53692    | 20.572  | ug/l   | 98       |
| 74) n-propylbenzene           | 13.029 | 91   | 295354   | 21.231  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 183287   | 20.961  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 206643   | 21.352  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 31266    | 19.426  | ug/l   | 94       |
| 78) 4-Chlorotoluene           | 13.218 | 91   | 179801   | 20.589  | ug/l   | 99       |
| 79) tert-butylbenzene         | 13.435 | 119  | 173459   | 20.714  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 203945   | 20.782  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 13.612 | 105  | 249442   | 21.354  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.723 | 119  | 207519   | 21.296  | ug/l   | 100      |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 98830    | 20.374  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.806 | 146  | 99189    | 20.383  | ug/l   | 99       |
| 85) n-Butylbenzene            | 14.053 | 91   | 191298   | 21.761  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.329 | 117  | 33590    | 20.435  | ug/l   | 100      |
| 87) 1,2-Dichlorobenzene       | 14.100 | 146  | 95565    | 19.953  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.712 | 75   | 14160    | 18.539  | ug/l   | 99       |
| 89) 1,2,4-Trichlorobenzene    | 15.835 | 180  | 45993    | 19.736  | ug/l   | 99       |
| 90) Hexachlorobutadiene       | 15.494 | 225  | 19273    | 19.154  | ug/l   | 96       |
| 91) Naphthalene               | 15.635 | 128  | 169515   | 18.449  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 45993    | 19.736  | ug/l   | 99       |

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





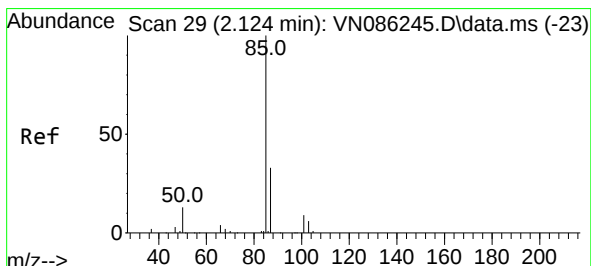
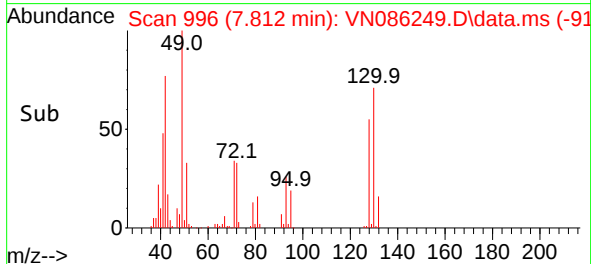
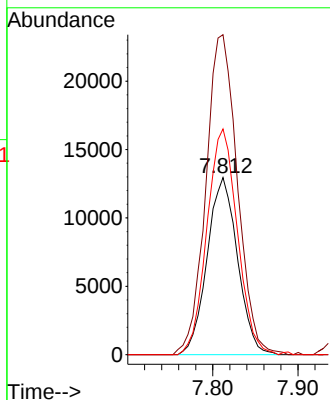
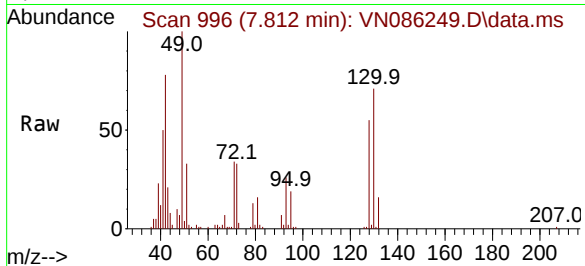
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01

Tgt Ion:128 Resp: 3210  
Ion Ratio Lower Upper  
128 100  
49 187.6 0.0 452.5  
130 127.9 0.0 315.0

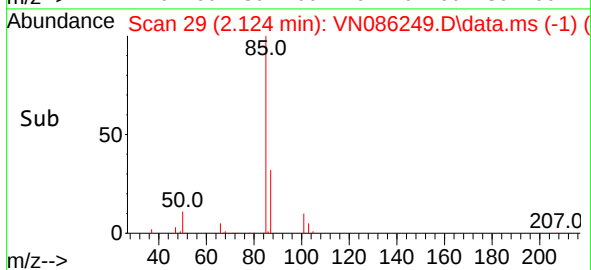
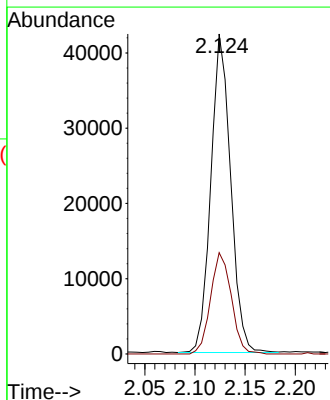
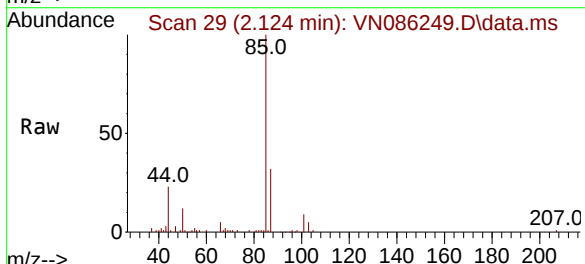
Manual Integrations  
APPROVED

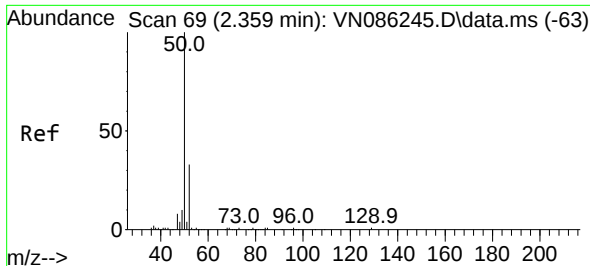
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#2  
Dichlorodifluoromethane  
Concen: 22.661 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Tgt Ion: 85 Resp: 58287  
Ion Ratio Lower Upper  
85 100  
87 31.8 16.3 48.9





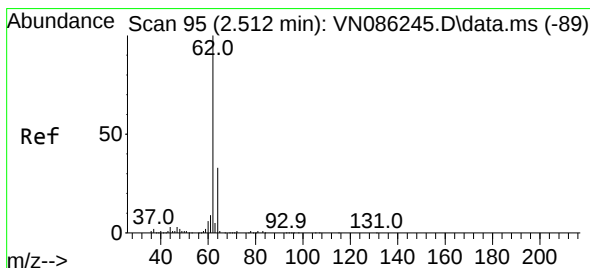
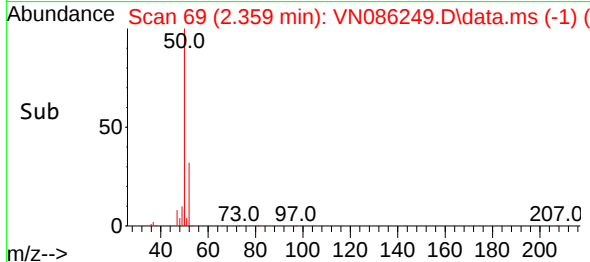
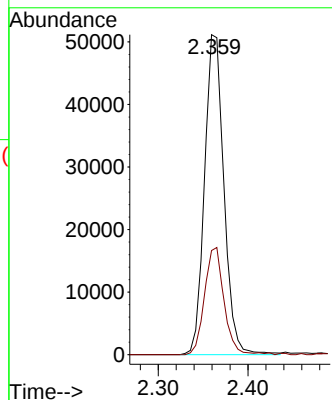
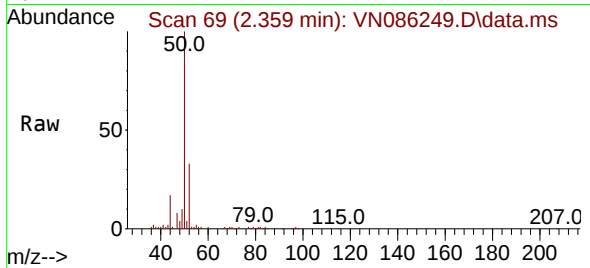
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Chloromethane  
Concen: 21.612 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01

Tgt Ion: 50 Resp: 7683  
Ion Ratio Lower Upper  
50 100  
52 32.5 26.4 39.6

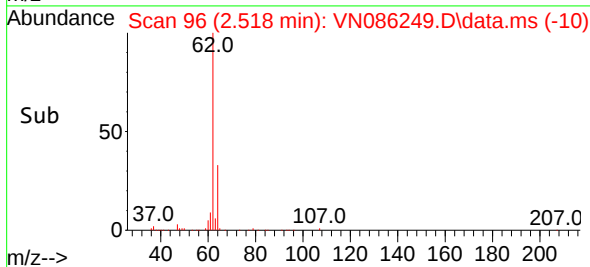
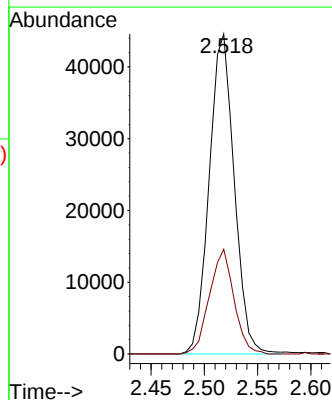
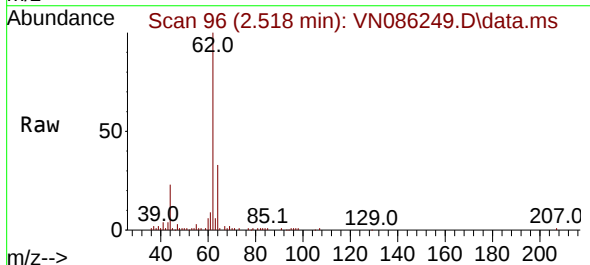
Manual Integrations  
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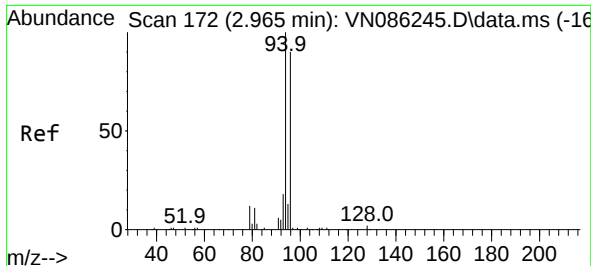
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#4  
Vinyl Chloride  
Concen: 21.546 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

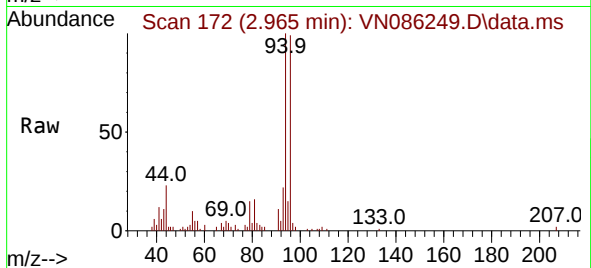
Tgt Ion: 62 Resp: 72960  
Ion Ratio Lower Upper  
62 100  
64 32.7 26.3 39.5





#5  
Bromomethane  
Concen: 20.406 ug/l  
RT: 2.965 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

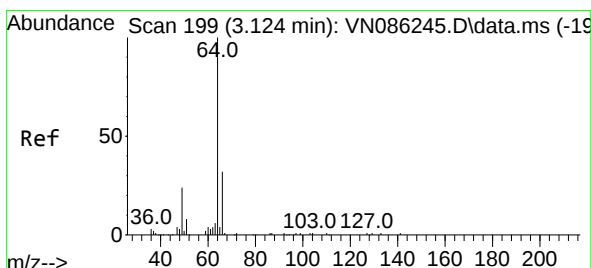
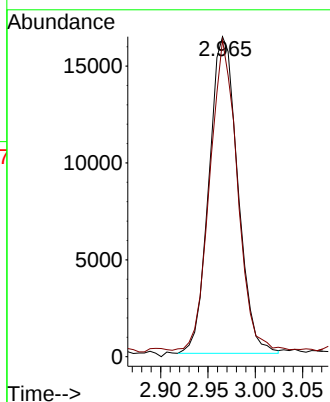
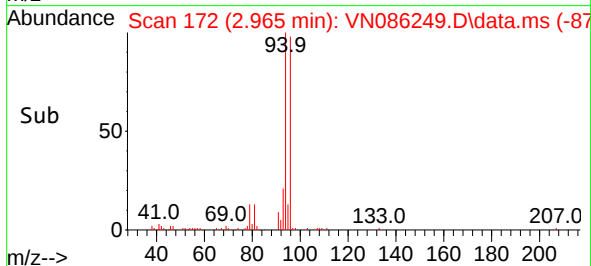
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion: 94 Resp: 3446  
Ion Ratio Lower Upper  
94 100  
96 97.5 72.2 108.2

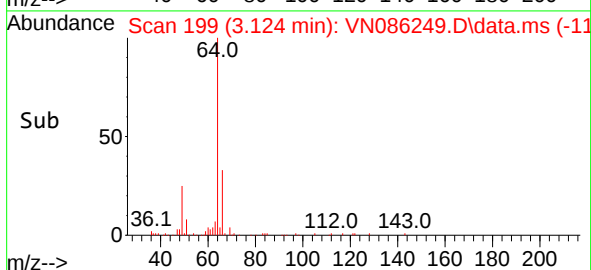
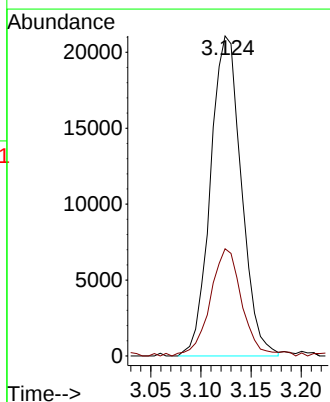
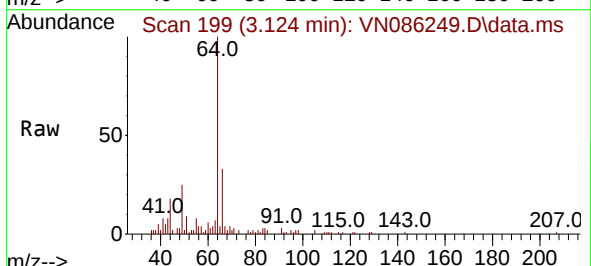
Manual Integrations  
APPROVED

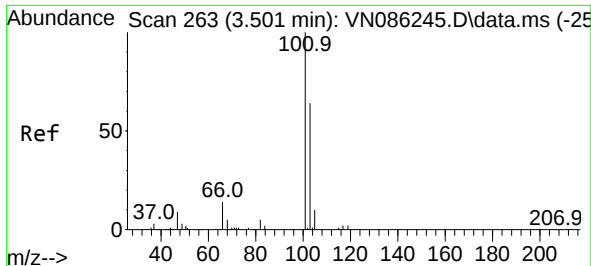
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#6  
Chloroethane  
Concen: 21.111 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

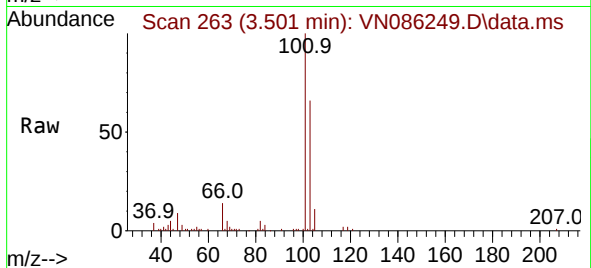
Tgt Ion: 64 Resp: 45142  
Ion Ratio Lower Upper  
64 100  
66 32.7 25.7 38.5





#7  
 Trichlorofluoromethane  
 Concen: 21.497 ug/l  
 RT: 3.501 min Scan# 263  
 Delta R.T. -0.000 min  
 Lab File: VN086249.D  
 Acq: 11 Apr 2025 14:38

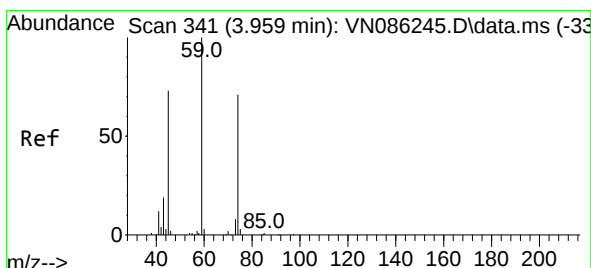
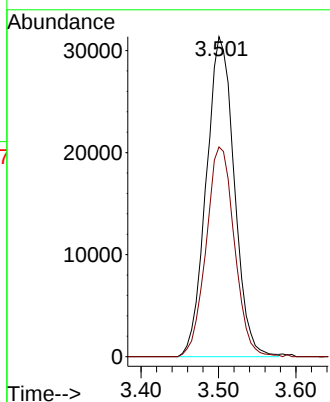
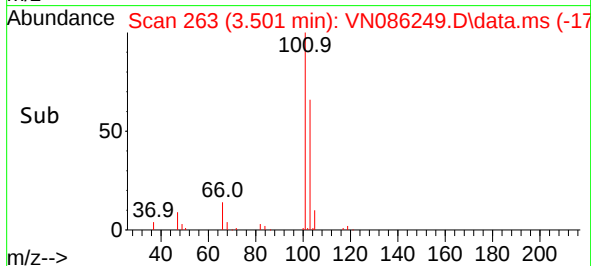
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0411WBS01



Tgt Ion:101 Resp: 78964  
 Ion Ratio Lower Upper  
 101 100  
 103 65.5 51.2 76.8

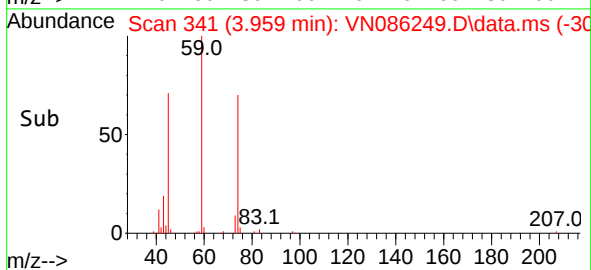
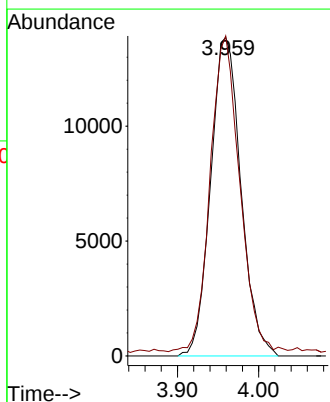
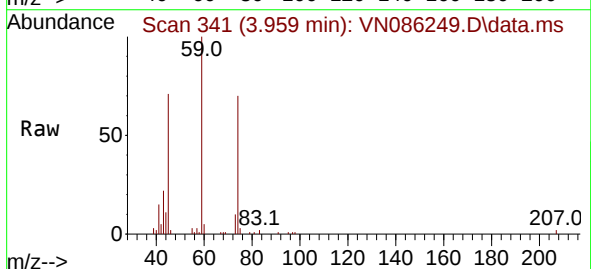
Manual Integrations  
 APPROVED

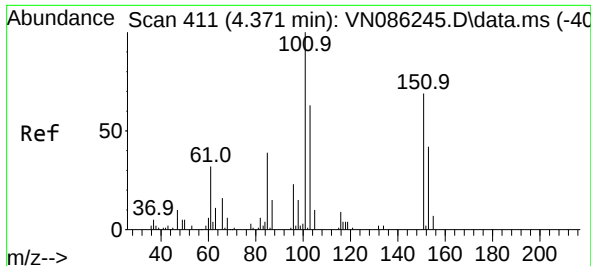
Reviewed By :John Carlone 04/14/2025  
 Supervised By :Mahesh Dadoda 04/14/2025



#8  
 Diethyl Ether  
 Concen: 21.221 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. -0.000 min  
 Lab File: VN086249.D  
 Acq: 11 Apr 2025 14:38

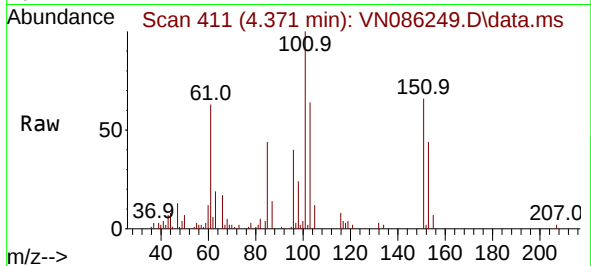
Tgt Ion: 74 Resp: 35948  
 Ion Ratio Lower Upper  
 74 100  
 45 95.7 19.2 173.2





#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 21.838 ug/l  
 RT: 4.371 min Scan# 411  
 Delta R.T. -0.000 min  
 Lab File: VN086249.D  
 Acq: 11 Apr 2025 14:38

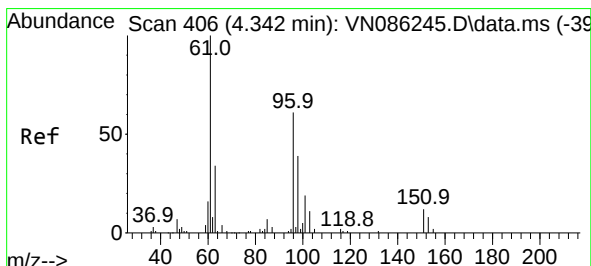
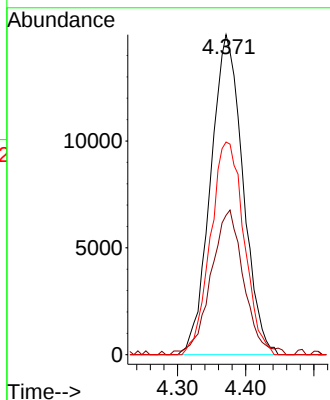
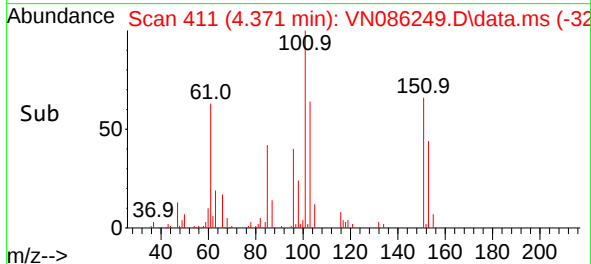
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0411WBS01



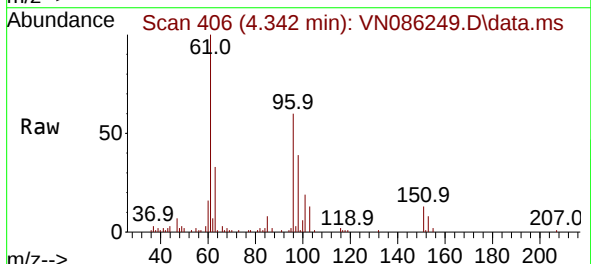
Tgt Ion:101 Resp: 49460  
 Ion Ratio Lower Upper  
 101 100  
 85 45.1 0.0 93.0  
 151 68.6 0.0 138.6

Manual Integrations  
 APPROVED

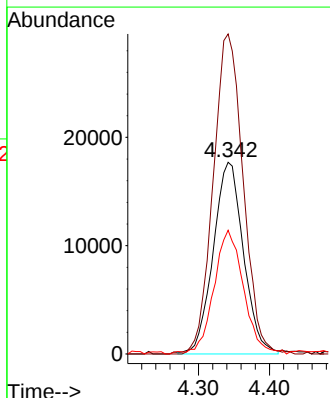
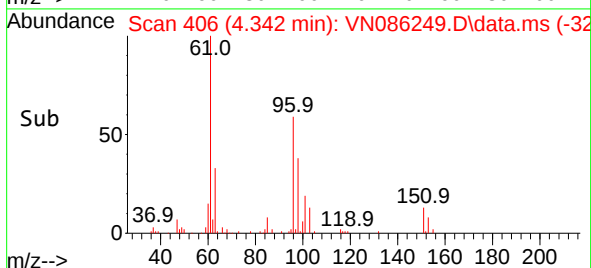
Reviewed By :John Carlone 04/14/2025  
 Supervised By :Mahesh Dadoda 04/14/2025

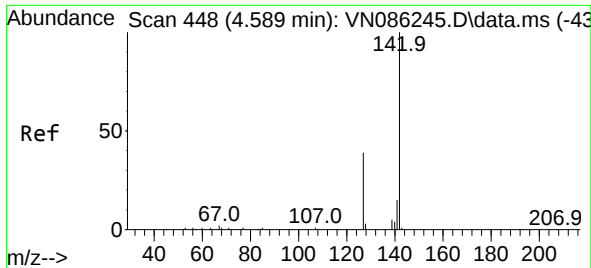


#10  
 1,1-Dichloroethene  
 Concen: 21.404 ug/l  
 RT: 4.342 min Scan# 406  
 Delta R.T. -0.000 min  
 Lab File: VN086249.D  
 Acq: 11 Apr 2025 14:38



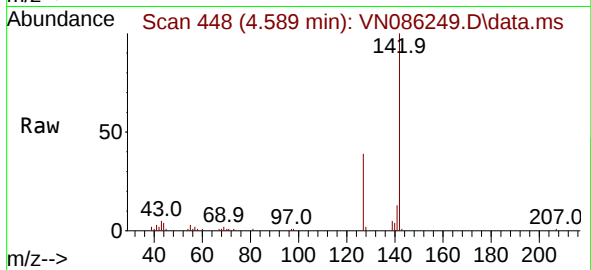
Tgt Ion: 96 Resp: 52323  
 Ion Ratio Lower Upper  
 96 100  
 61 168.3 131.1 196.7  
 98 63.8 51.6 77.4





#11  
Methyl Iodide  
Concen: 21.202 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

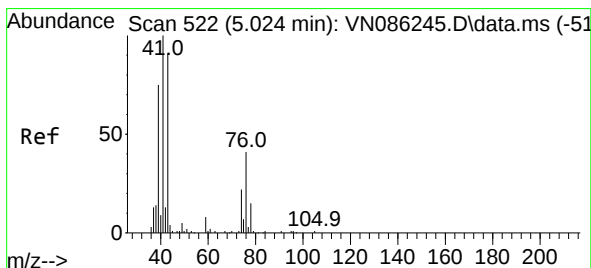
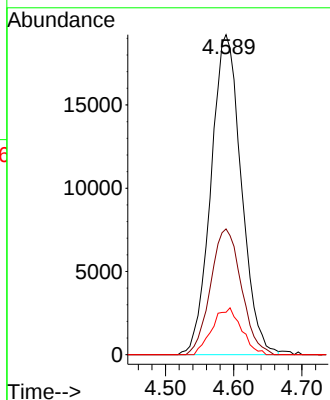
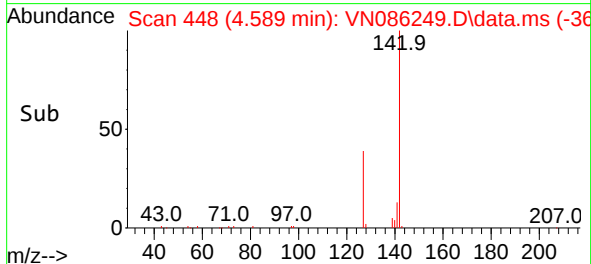
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion:142 Resp: 5956  
Ion Ratio Lower Upper  
142 100  
127 39.5 19.6 58.8  
141 13.3 7.3 21.9

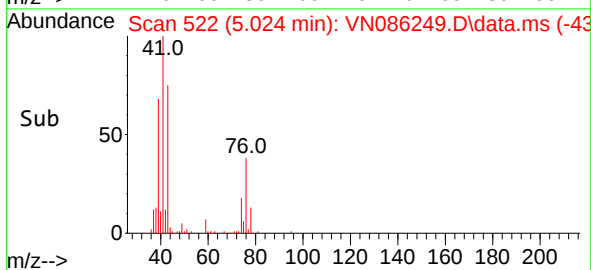
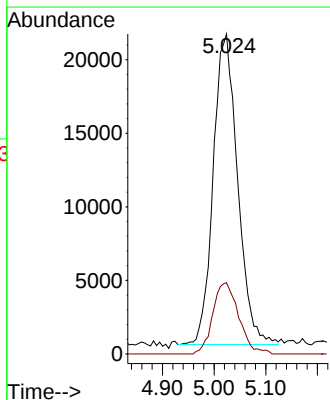
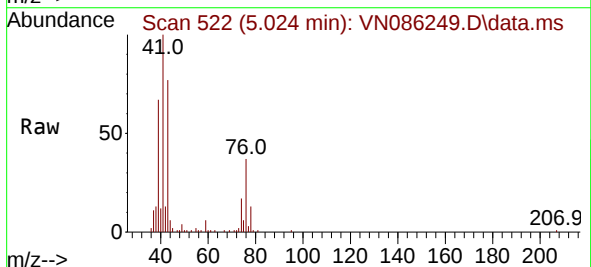
Manual Integrations  
APPROVED

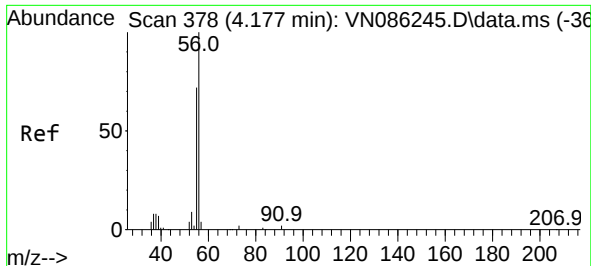
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#12  
Methyl Acetate  
Concen: 20.052 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Tgt Ion: 43 Resp: 69220  
Ion Ratio Lower Upper  
43 100  
74 23.1 19.1 28.7





#13

Acrolein

Concen: 77.958 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086249.D

Acq: 11 Apr 2025 14:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0411WBS01

Tgt Ion: 56 Resp: 30590

Ion Ratio Lower Upper

56 100

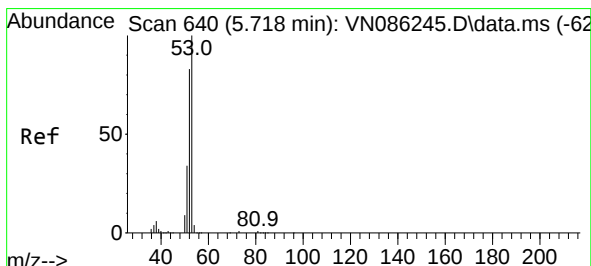
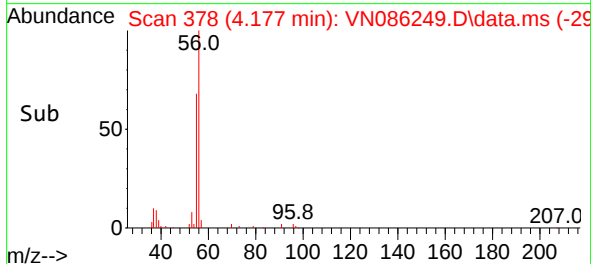
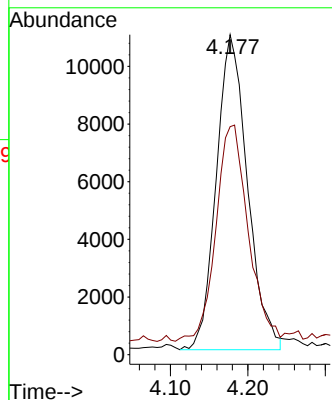
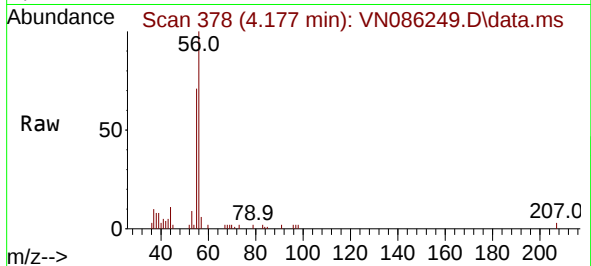
55 70.1 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#14

Acrylonitrile

Concen: 99.606 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.006 min

Lab File: VN086249.D

Acq: 11 Apr 2025 14:38

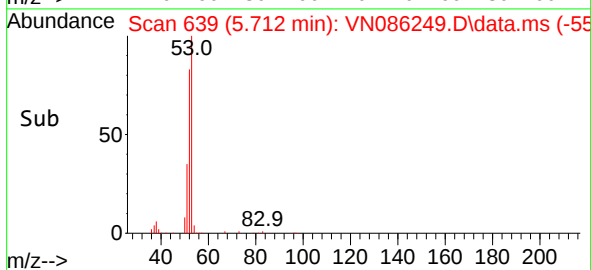
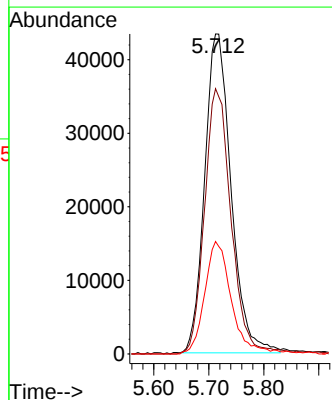
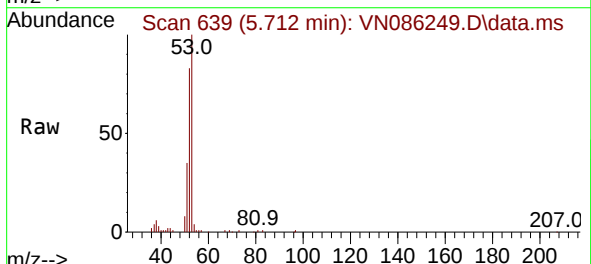
Tgt Ion: 53 Resp: 145157

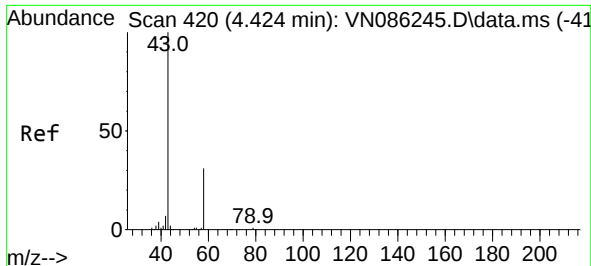
Ion Ratio Lower Upper

53 100

52 83.4 40.2 120.6

51 35.0 17.5 52.6





#15

Acetone

Concen: 95.503 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN086249.D

Acq: 11 Apr 2025 14:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0411WBS01

Tgt Ion: 58 Resp: 35289

Ion Ratio Lower Upper

58 100

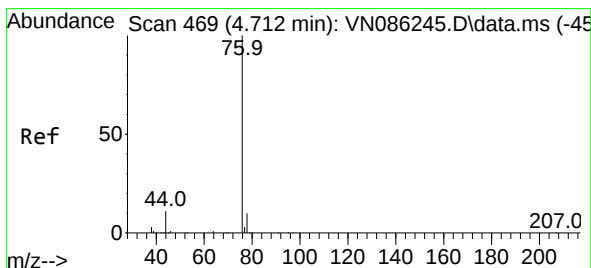
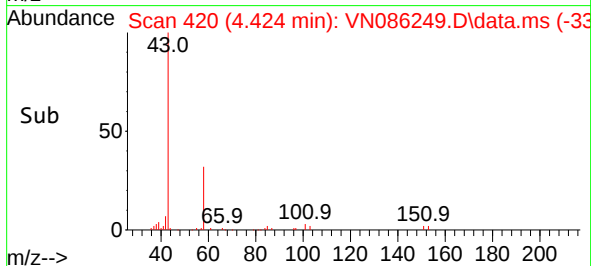
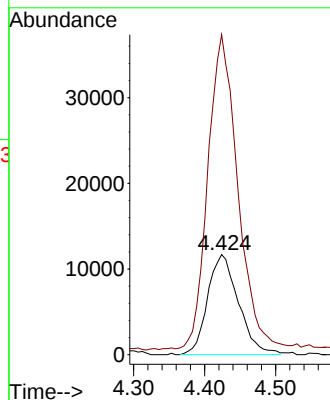
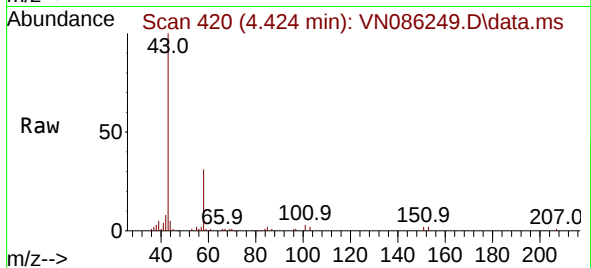
43 313.0 261.8 392.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#16

Carbon Disulfide

Concen: 21.832 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086249.D

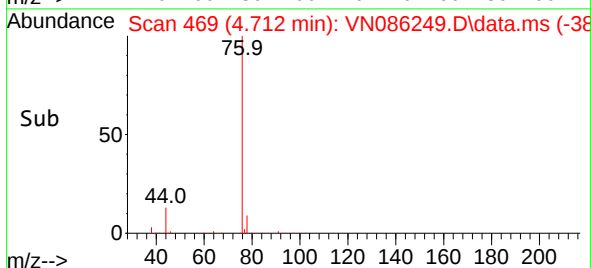
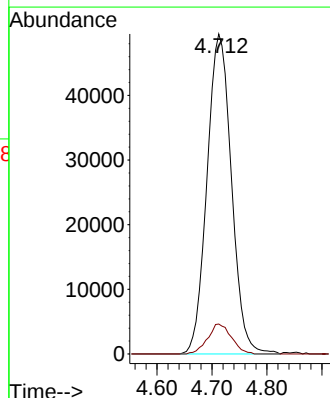
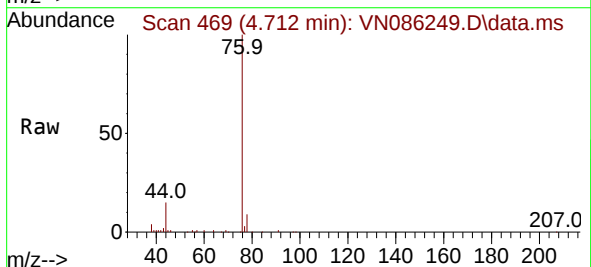
Acq: 11 Apr 2025 14:38

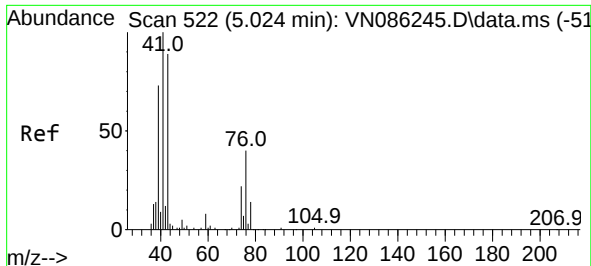
Tgt Ion: 76 Resp: 153034

Ion Ratio Lower Upper

76 100

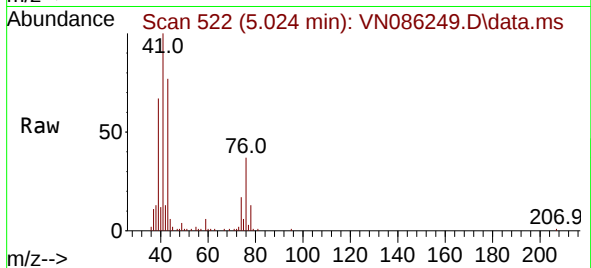
78 9.4 7.7 11.5





#17  
 Allyl chloride  
 Concen: 21.451 ug/l  
 RT: 5.024 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VN086249.D  
 Acq: 11 Apr 2025 14:38

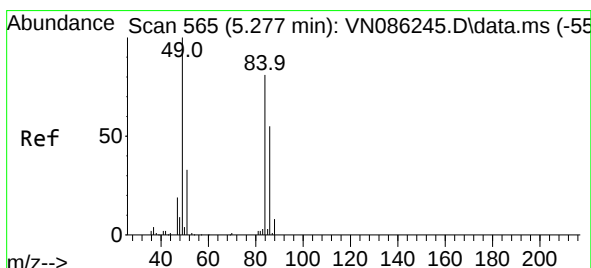
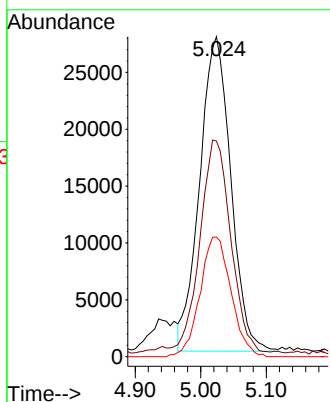
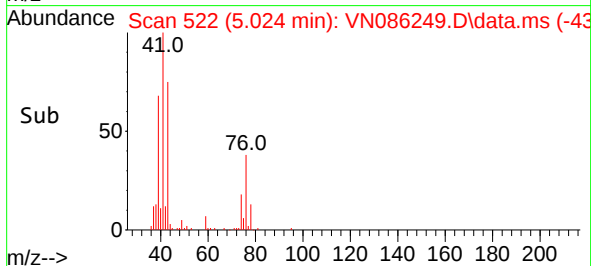
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0411WBS01



Tgt Ion: 41 Resp: 91394  
 Ion Ratio Lower Upper  
 41 100  
 39 67.2 34.4 103.2  
 76 38.3 18.8 56.3

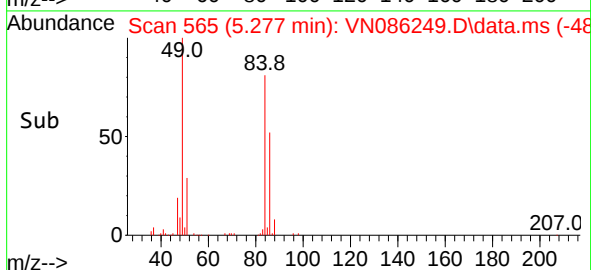
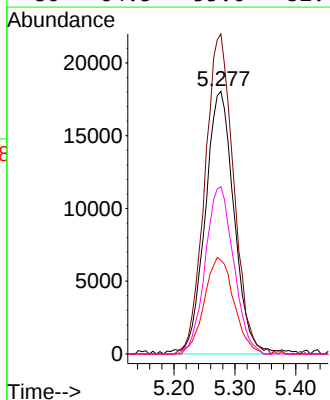
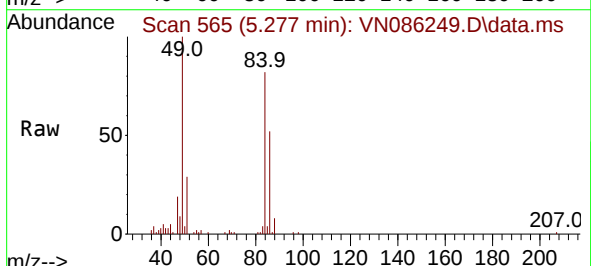
Manual Integrations  
 APPROVED

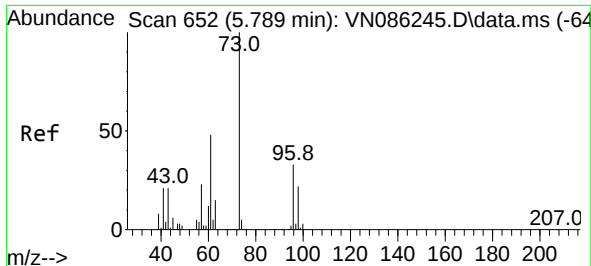
Reviewed By :John Carlone 04/14/2025  
 Supervised By :Mahesh Dadoda 04/14/2025



#18  
 Methylene Chloride  
 Concen: 21.234 ug/l  
 RT: 5.277 min Scan# 565  
 Delta R.T. -0.000 min  
 Lab File: VN086249.D  
 Acq: 11 Apr 2025 14:38

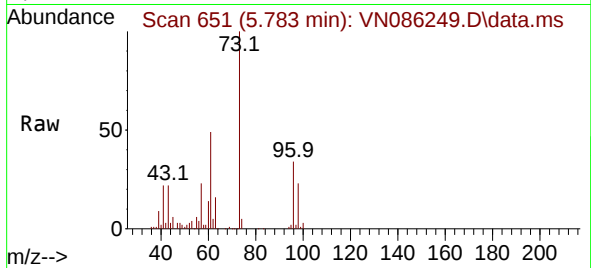
Tgt Ion: 84 Resp: 59182  
 Ion Ratio Lower Upper  
 84 100  
 49 122.3 99.1 148.7  
 51 36.1 32.3 48.5  
 86 64.5 55.0 82.4





#19  
trans-1,2-Dichloroethene  
Concen: 20.881 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

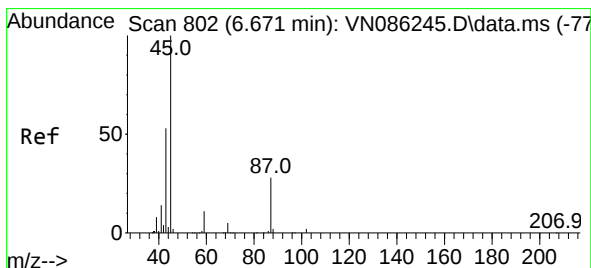
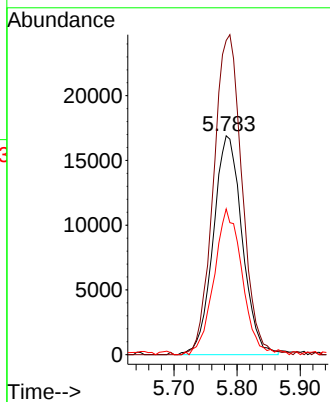
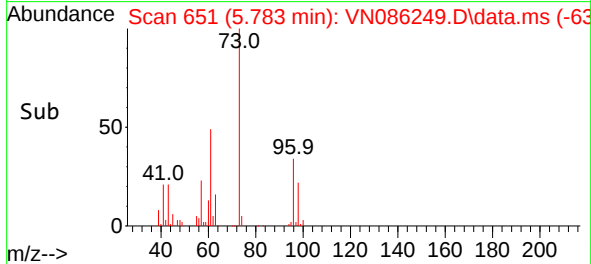
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion: 96 Resp: 5376  
Ion Ratio Lower Upper  
96 100  
61 143.6 115.9 173.9  
98 66.6 52.1 78.1

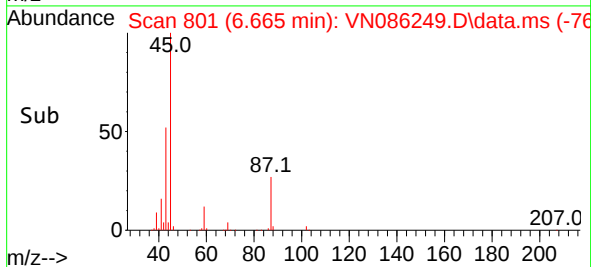
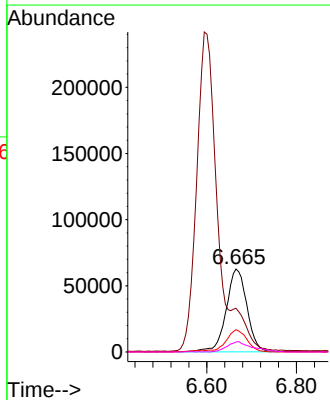
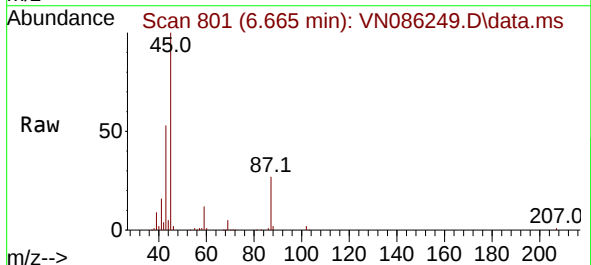
Manual Integrations  
APPROVED

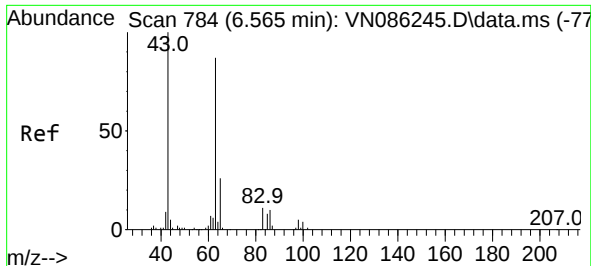
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#20  
Diisopropyl ether  
Concen: 21.906 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

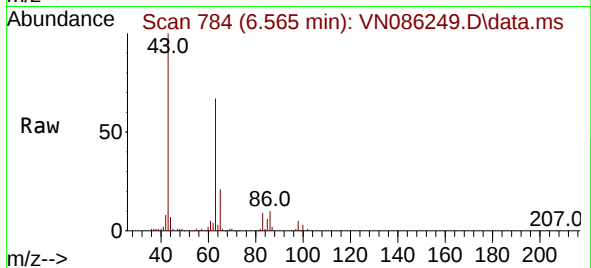
Tgt Ion: 45 Resp: 200652  
Ion Ratio Lower Upper  
45 100  
43 51.0 42.3 63.5  
87 27.0 22.2 33.4  
59 12.0 9.1 13.7





#21  
1,1-Dichloroethane  
Concen: 21.728 ug/l  
RT: 6.565 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

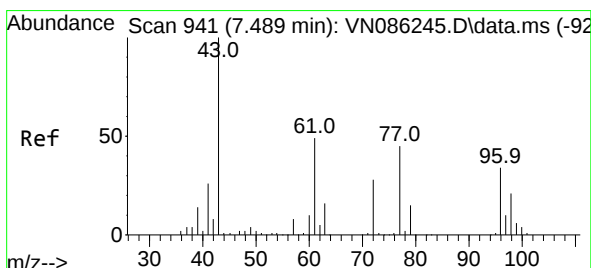
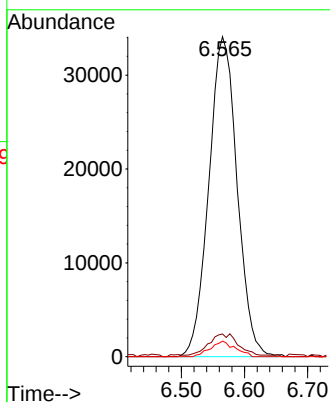
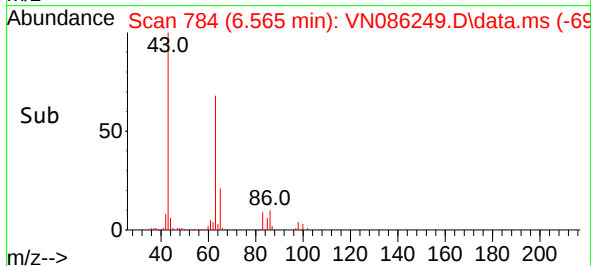
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



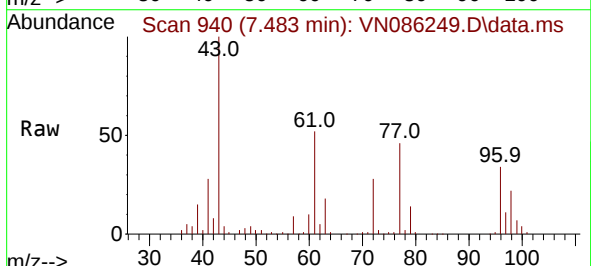
Tgt Ion: 63 Resp: 106184  
Ion Ratio Lower Upper  
63 100  
98 6.5 3.1 9.3  
100 4.9 2.3 6.9

Manual Integrations  
APPROVED

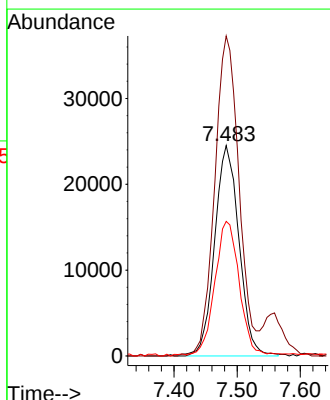
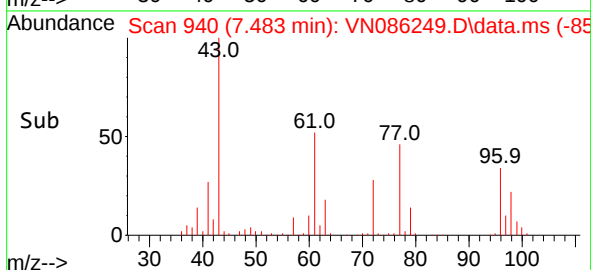
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025

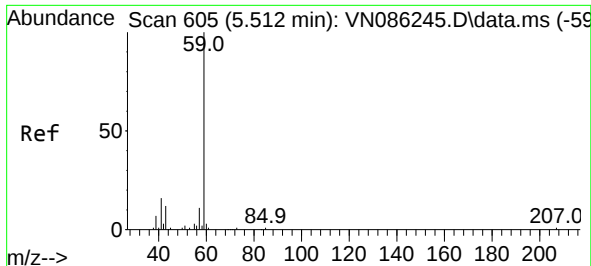


#22  
cis-1,2-Dichloroethene  
Concen: 21.431 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38



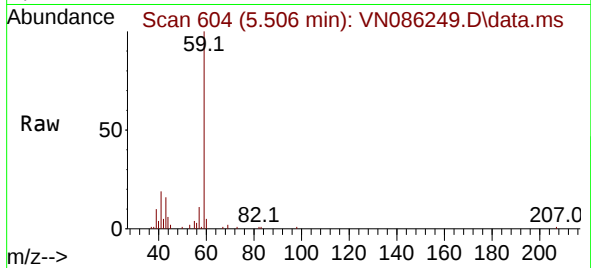
Tgt Ion: 96 Resp: 65736  
Ion Ratio Lower Upper  
96 100  
61 152.3 119.5 179.3  
98 64.7 51.0 76.6





#23  
tert-Butyl Alcohol  
Concen: 94.827 ug/l  
RT: 5.506 min Scan# 605  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

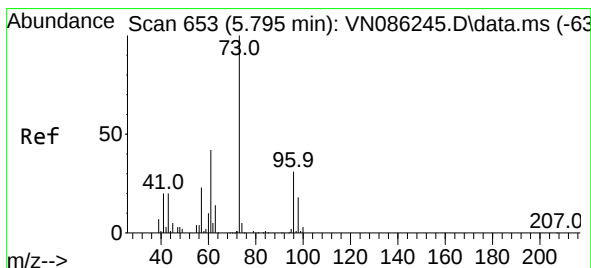
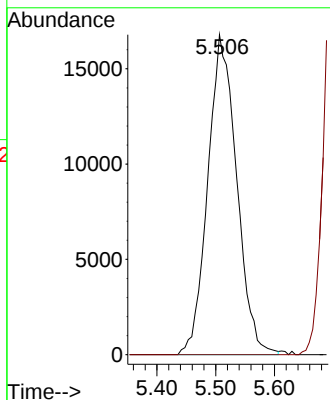
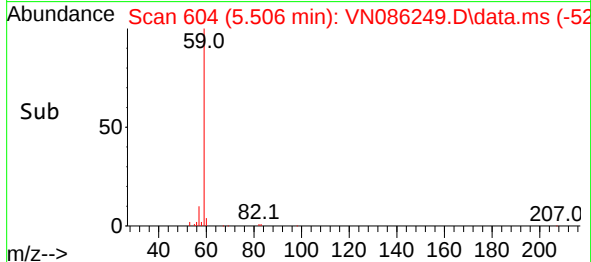
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



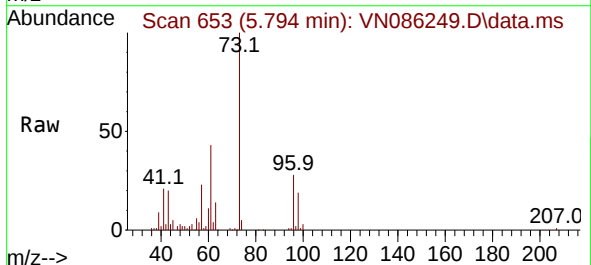
Tgt Ion: 59 Resp: 57260  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

Manual Integrations  
APPROVED

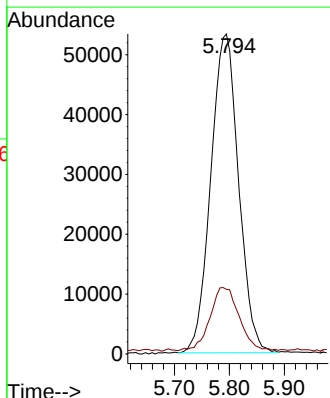
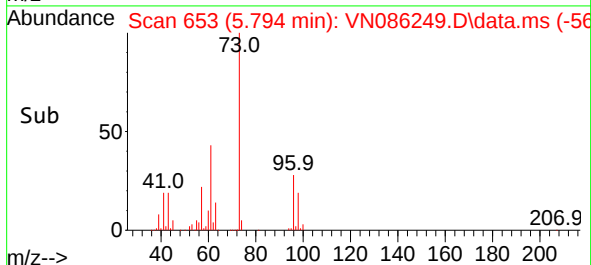
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025

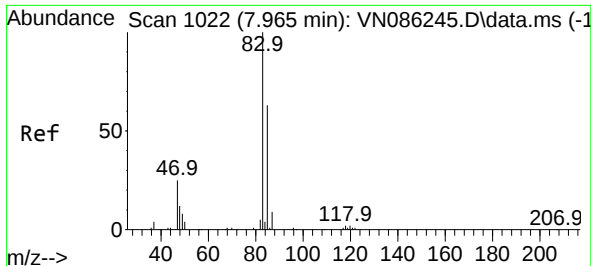


#24  
Methyl tert-Butyl Ether  
Concen: 21.230 ug/l  
RT: 5.794 min Scan# 653  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38



Tgt Ion: 73 Resp: 187291  
Ion Ratio Lower Upper  
73 100  
43 20.4 16.8 25.2





#25

Chloroform

Concen: 21.684 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086249.D

Acq: 11 Apr 2025 14:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0411WBS01

Tgt Ion: 83 Resp: 10105

Ion Ratio Lower Upper

83 100

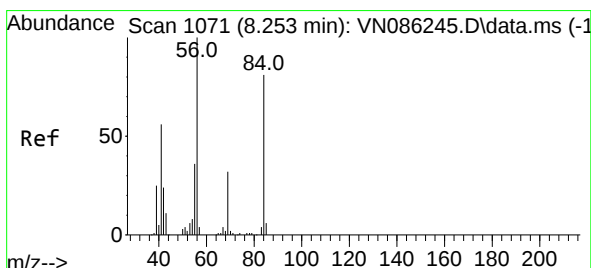
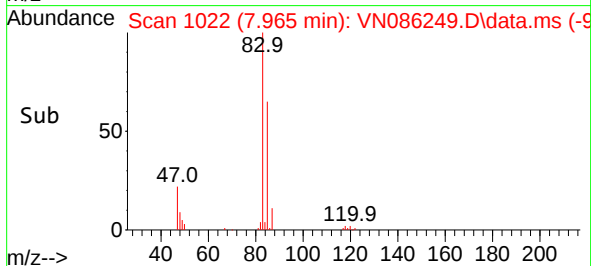
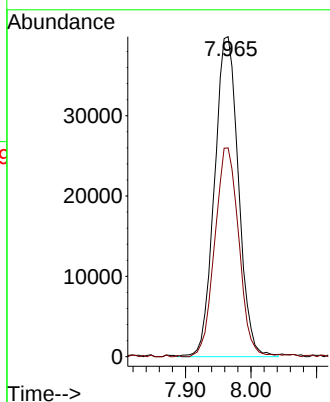
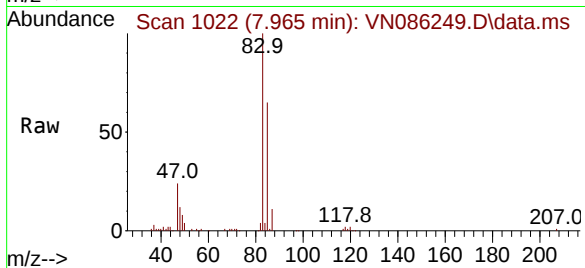
85 64.8 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#26

Cyclohexane

Concen: 21.608 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086249.D

Acq: 11 Apr 2025 14:38

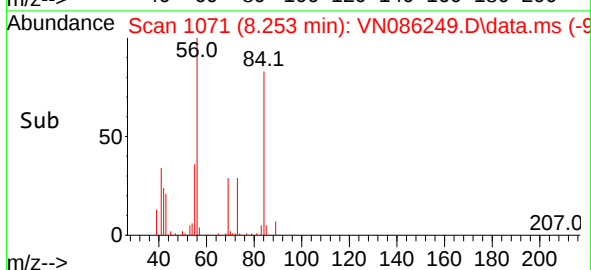
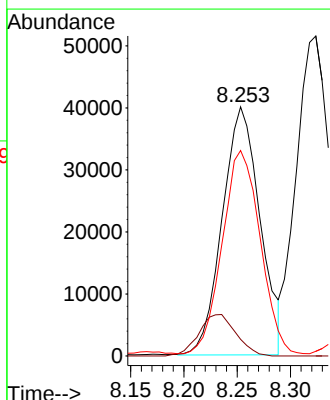
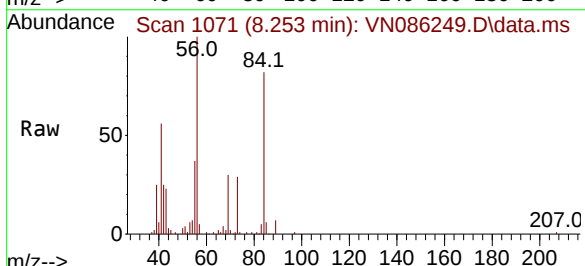
Tgt Ion: 56 Resp: 98792

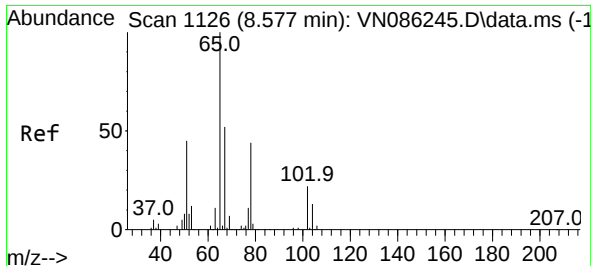
Ion Ratio Lower Upper

56 100

89 16.4 0.0 0.0#

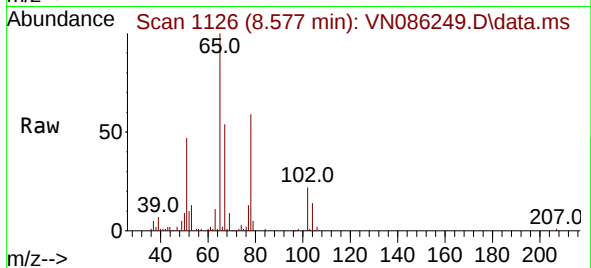
84 84.4 69.0 103.4





#27  
1,2-Dichloroethane-d4  
Concen: 30.539 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

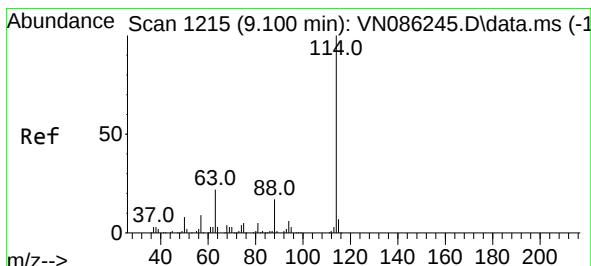
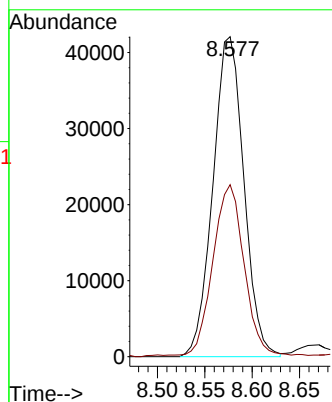
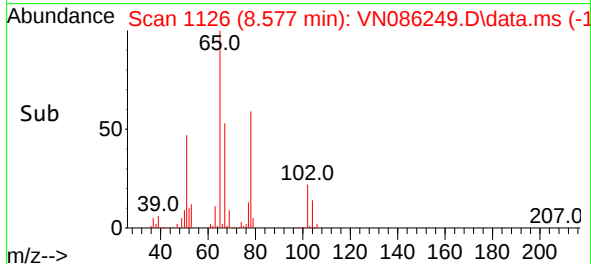
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion: 65 Resp: 95625  
Ion Ratio Lower Upper  
65 100  
67 54.6 43.4 65.2

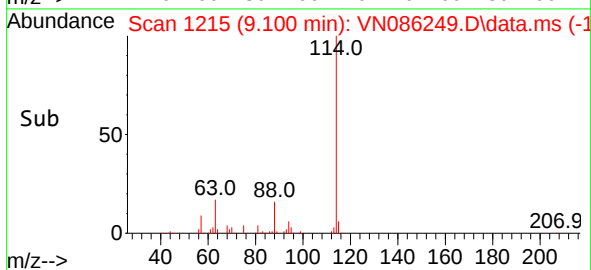
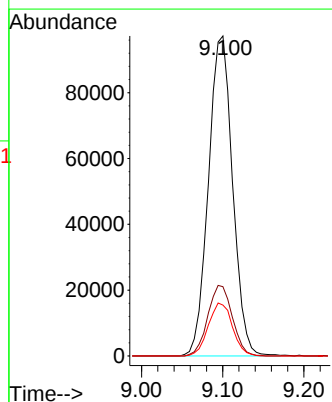
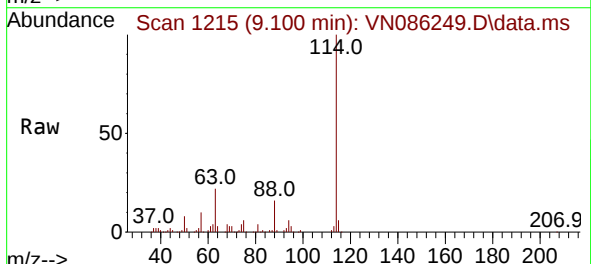
Manual Integrations  
APPROVED

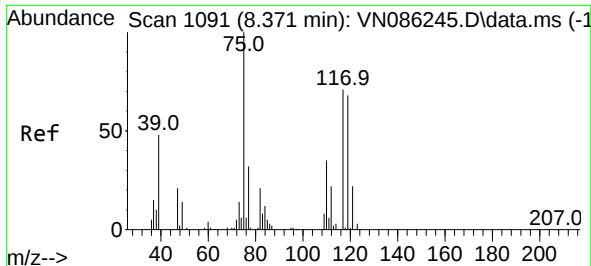
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

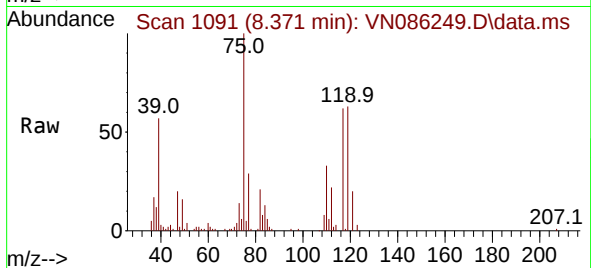
Tgt Ion:114 Resp: 201467  
Ion Ratio Lower Upper  
114 100  
63 22.3 17.8 26.6  
88 16.5 13.4 20.2





#29  
1,1-Dichloropropene  
Concen: 20.848 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

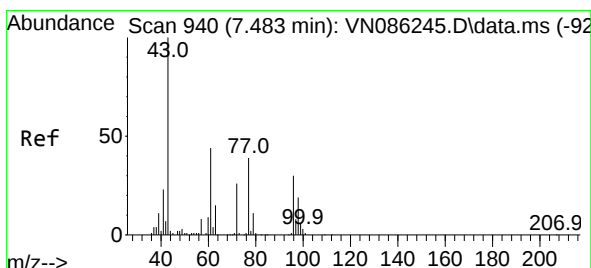
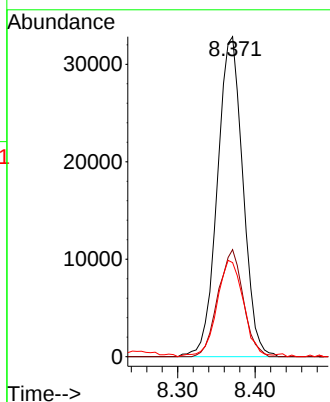
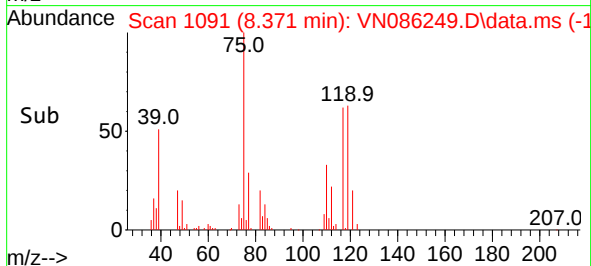
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion: 75 Resp: 7524  
Ion Ratio Lower Upper  
75 100  
110 33.1 0.0 68.6  
77 31.4 0.0 63.8

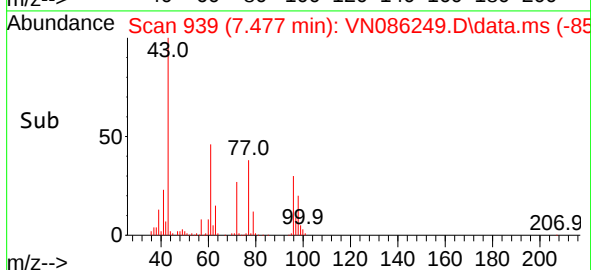
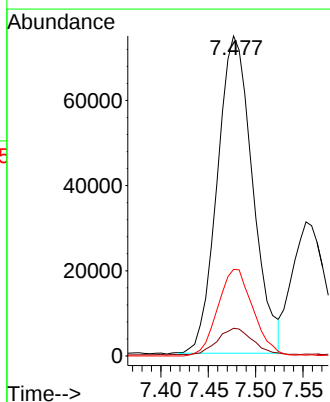
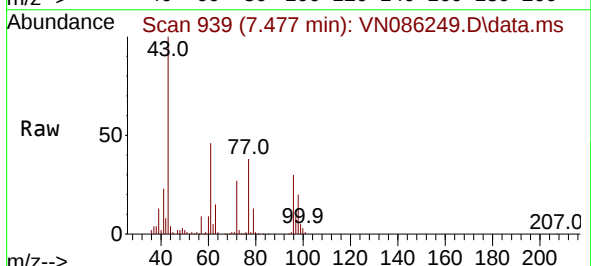
Manual Integrations  
APPROVED

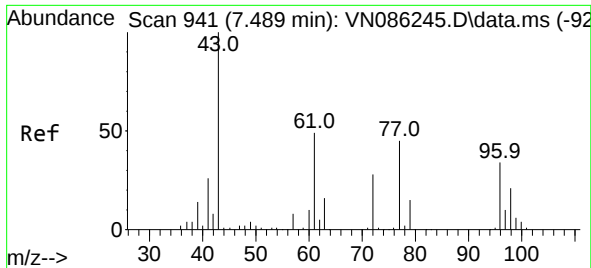
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#30  
2-Butanone  
Concen: 96.751 ug/l  
RT: 7.477 min Scan# 939  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Tgt Ion: 43 Resp: 193486  
Ion Ratio Lower Upper  
43 100  
57 8.4 6.4 9.6  
72 27.2 21.5 32.3





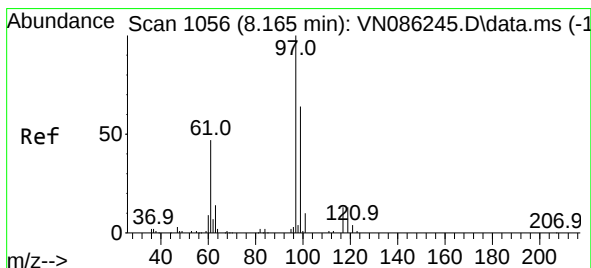
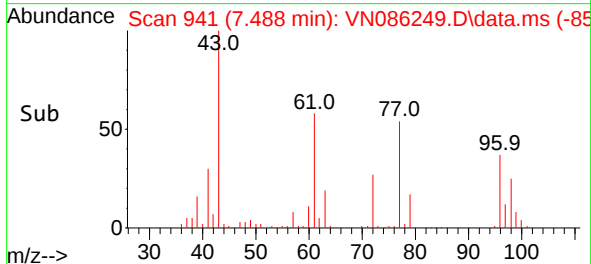
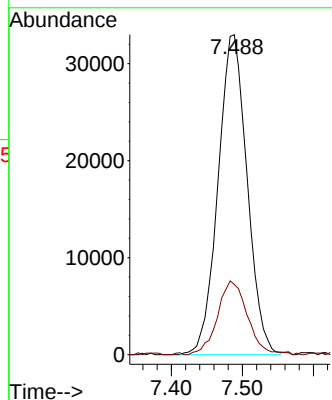
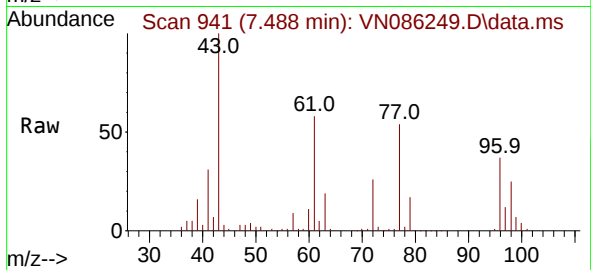
#31  
2,2-Dichloropropane  
Concen: 21.091 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01

Tgt Ion: 77 Resp: 9369  
Ion Ratio Lower Upper  
77 100  
97 23.5 18.8 28.2

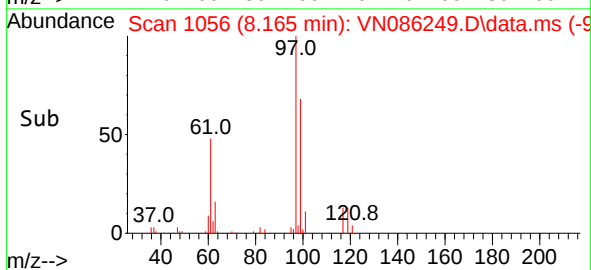
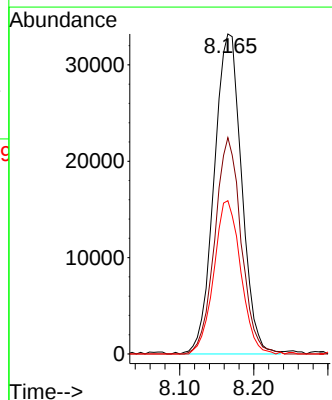
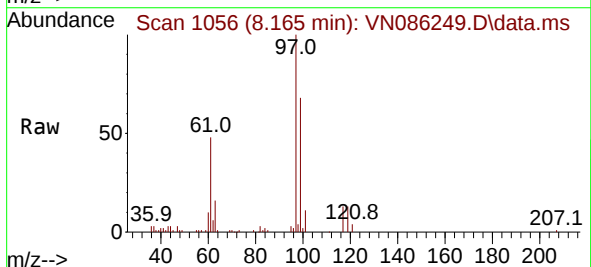
Manual Integrations  
APPROVED

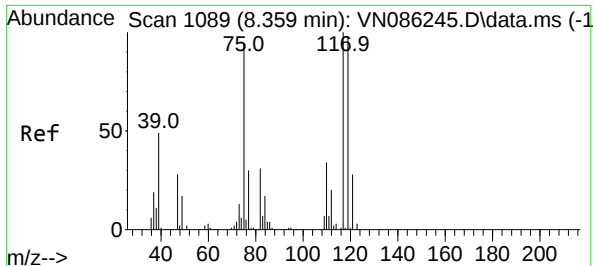
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#32  
1,1,1-Trichloroethane  
Concen: 20.651 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

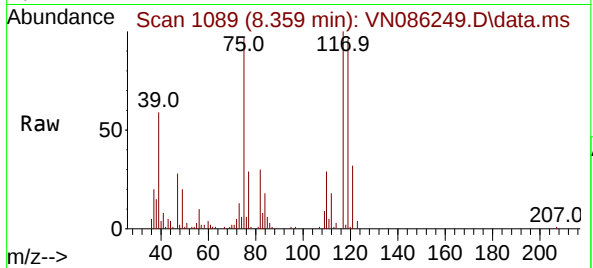
Tgt Ion: 97 Resp: 85736  
Ion Ratio Lower Upper  
97 100  
99 64.9 51.4 77.2  
61 46.7 37.0 55.6





#33  
Carbon Tetrachloride  
Concen: 20.895 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

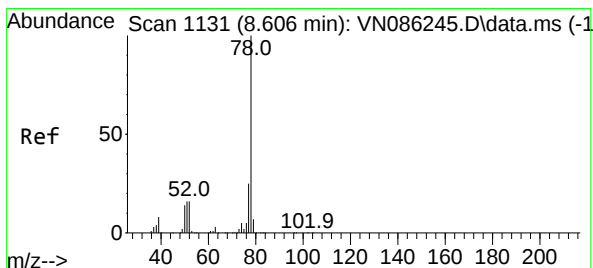
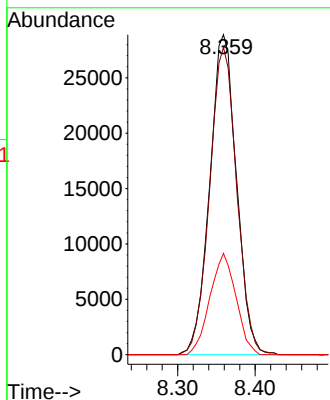
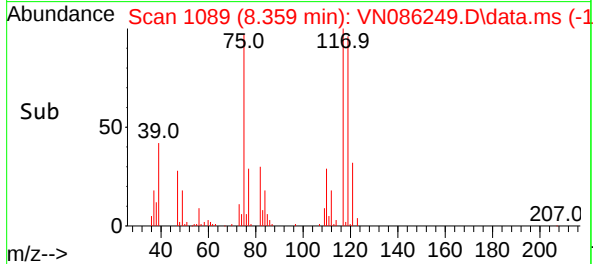
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion: 117 Resp: 69324  
Ion Ratio Lower Upper  
117 100  
119 96.0 78.3 117.5  
121 31.6 22.5 33.7

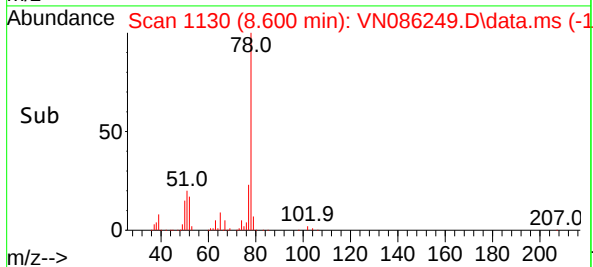
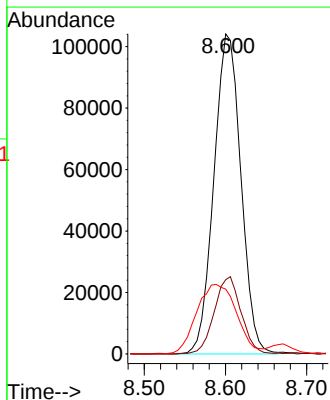
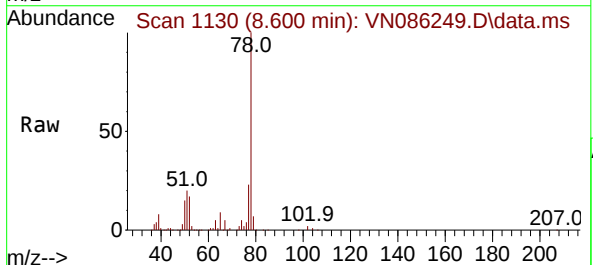
Manual Integrations  
APPROVED

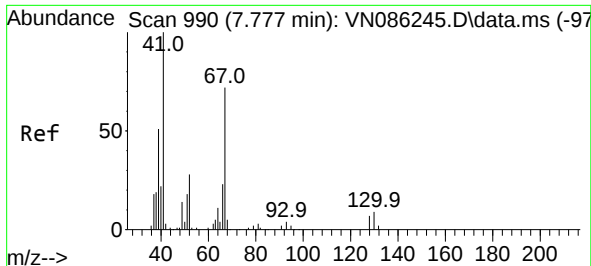
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#34  
Benzene  
Concen: 20.972 ug/l  
RT: 8.600 min Scan# 1130  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

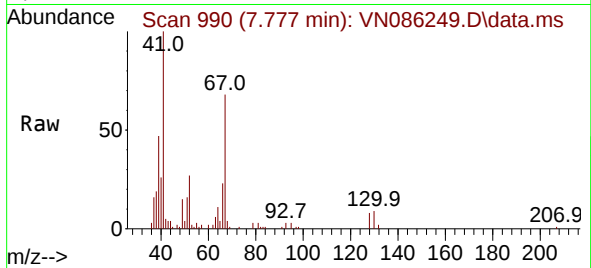
Tgt Ion: 78 Resp: 240800  
Ion Ratio Lower Upper  
78 100  
77 23.0 20.0 30.0  
51 19.1 12.9 19.3





#35  
Methacrylonitrile  
Concen: 19.760 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

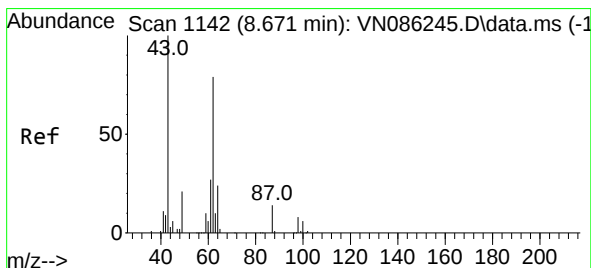
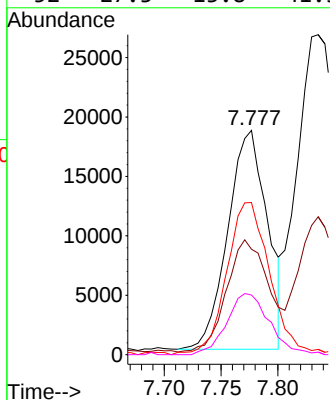
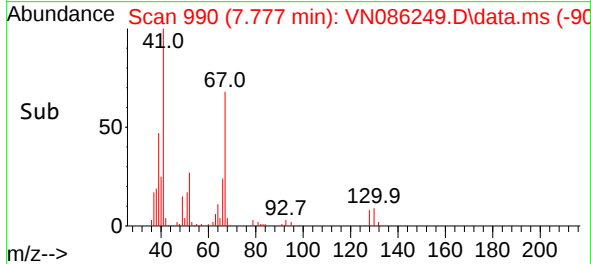
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



| Tgt Ion:  | 41   | Resp: | 44549 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 39        | 47.0 | 25.8  | 77.3  |
| 67        | 68.5 | 36.0  | 108.0 |
| 52        | 27.3 | 13.8  | 41.3  |

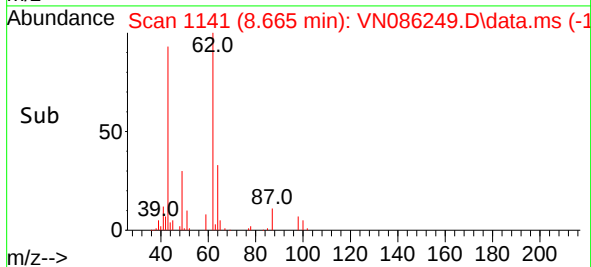
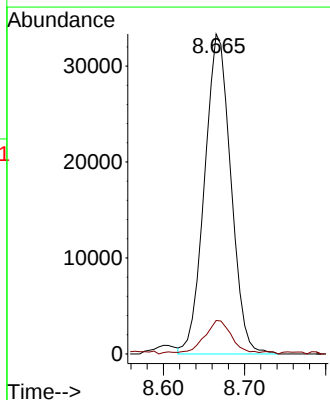
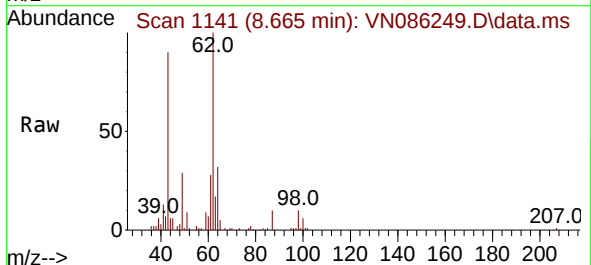
Manual Integrations  
APPROVED

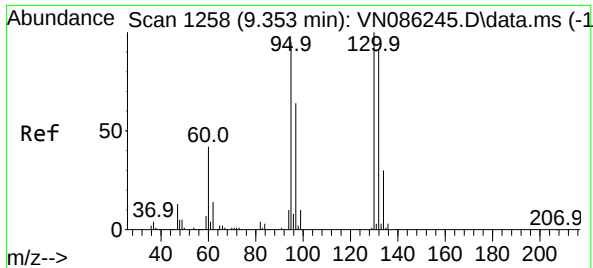
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#36  
1,2-Dichloroethane  
Concen: 20.892 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

| Tgt Ion:  | 62   | Resp: | 75064 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 98        | 10.3 | 8.6   | 12.8  |





#37

Trichloroethene

Concen: 20.150 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.006 min

Lab File: VN086249.D

Acq: 11 Apr 2025 14:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0411WBS01

Tgt Ion:130 Resp: 5582

Ion Ratio Lower Upper

130 100

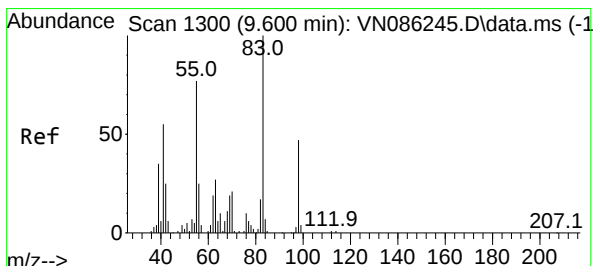
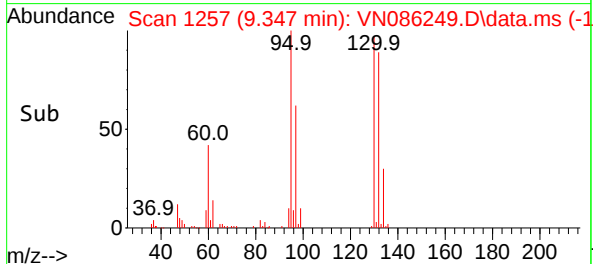
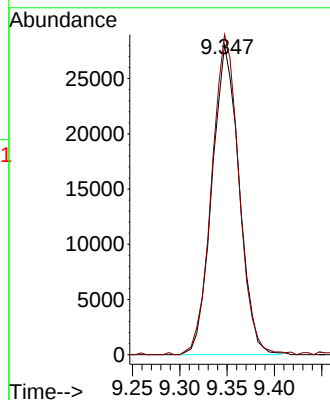
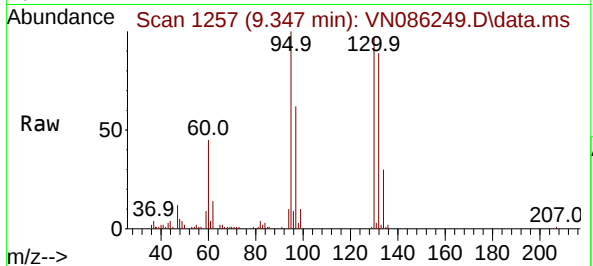
95 103.2 76.4 114.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#38

Methylcyclohexane

Concen: 20.887 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN086249.D

Acq: 11 Apr 2025 14:38

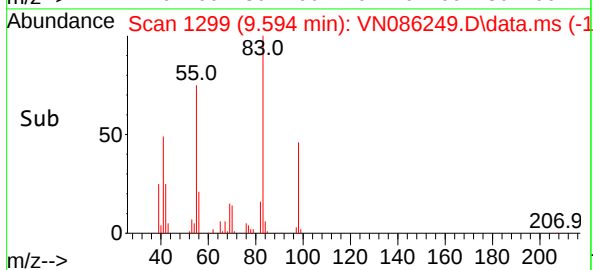
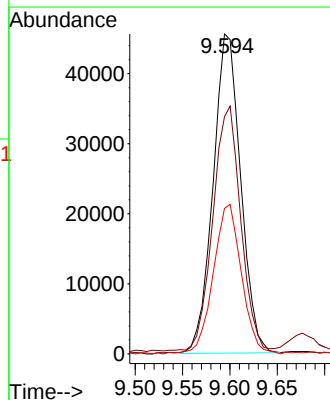
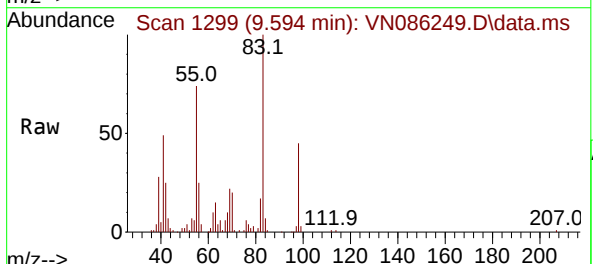
Tgt Ion: 83 Resp: 92449

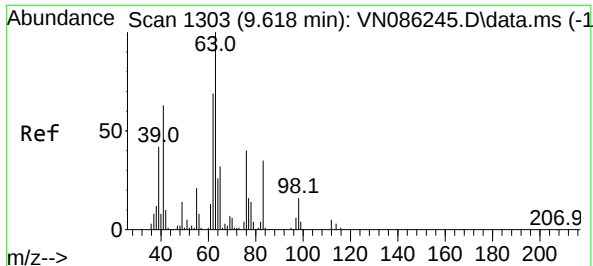
Ion Ratio Lower Upper

83 100

55 77.4 38.5 115.5

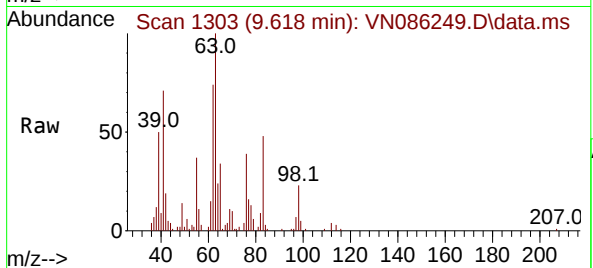
98 47.6 24.4 73.2





#39  
1,2-Dichloropropane  
Concen: 20.876 ug/l  
RT: 9.618 min Scan# 1303  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

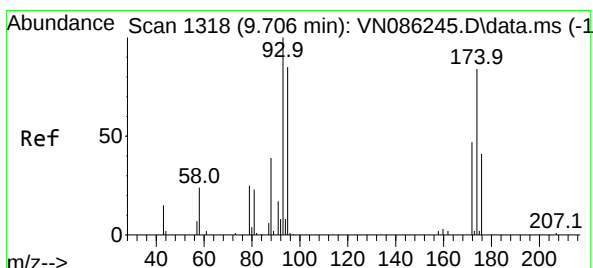
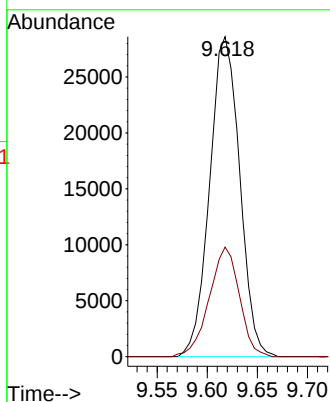
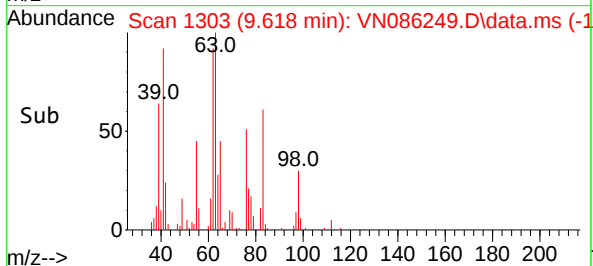
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



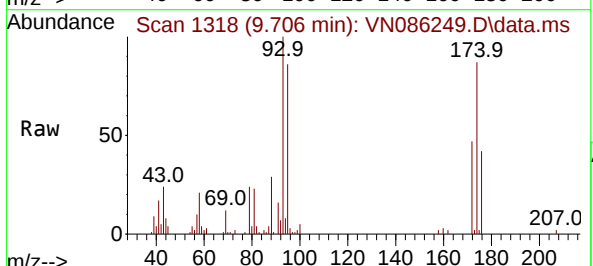
Tgt Ion: 63 Resp: 5964  
Ion Ratio Lower Upper  
63 100  
65 34.2 26.0 39.0

Manual Integrations  
APPROVED

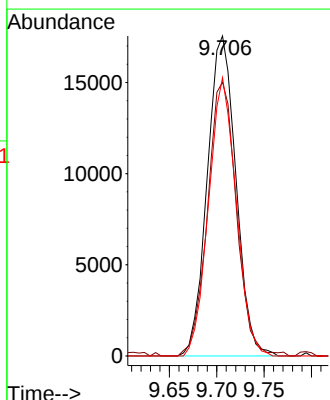
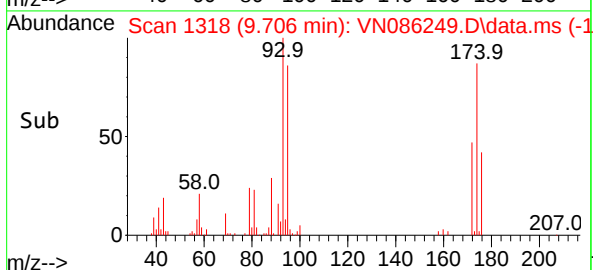
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025

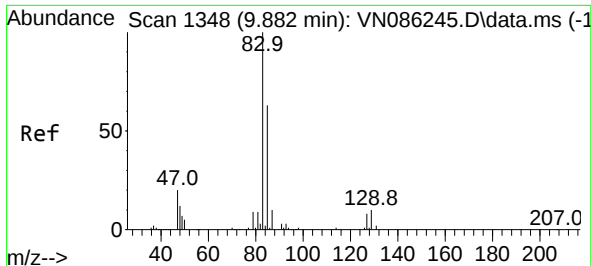


#40  
Dibromomethane  
Concen: 20.021 ug/l  
RT: 9.706 min Scan# 1318  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38



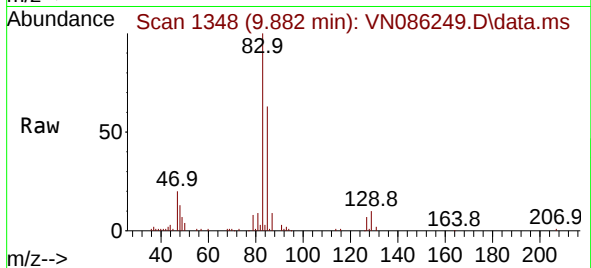
Tgt Ion: 93 Resp: 36945  
Ion Ratio Lower Upper  
93 100  
95 85.6 0.0 169.0  
174 83.5 0.0 168.0





#41  
Bromodichloromethane  
Concen: 20.598 ug/l  
RT: 9.882 min Scan# 1348  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

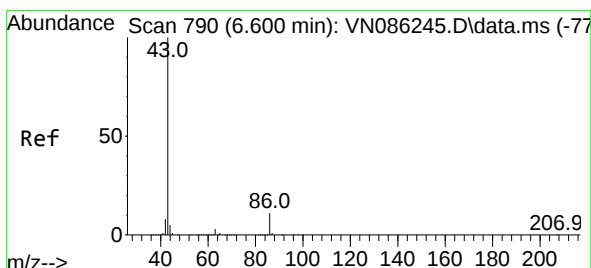
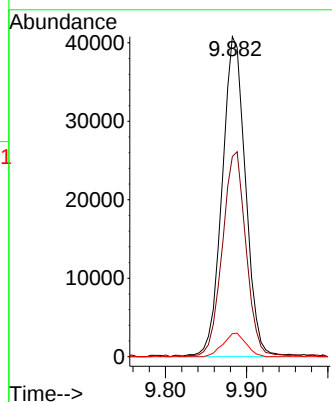
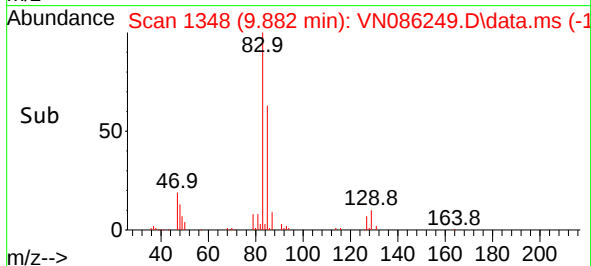
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



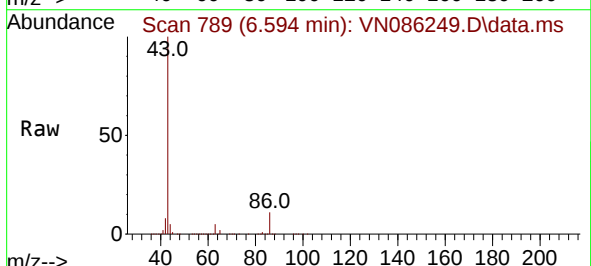
Tgt Ion: 83 Resp: 81658  
Ion Ratio Lower Upper  
83 100  
85 62.1 50.2 75.2  
127 7.2 6.2 9.4

Manual Integrations  
APPROVED

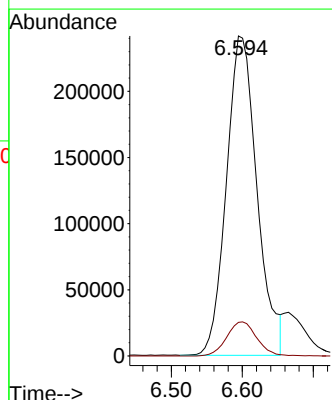
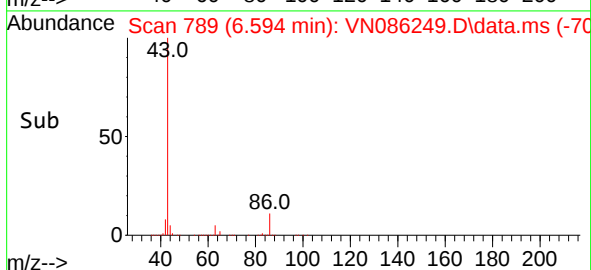
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025

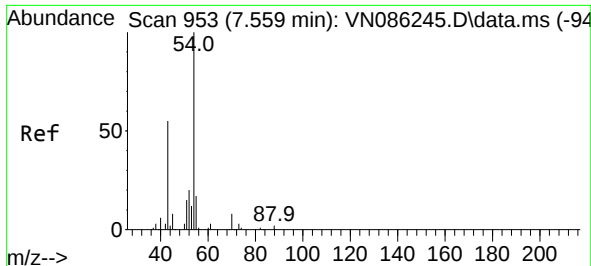


#42  
Vinyl Acetate  
Concen: 106.292 ug/l  
RT: 6.594 min Scan# 789  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38



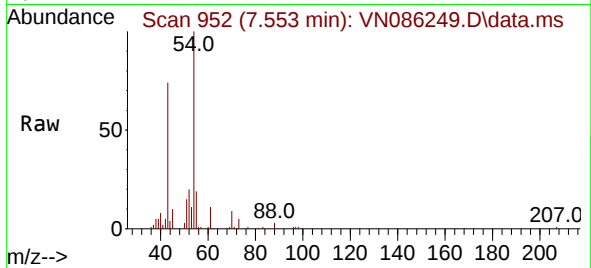
Tgt Ion: 43 Resp: 723573  
Ion Ratio Lower Upper  
43 100  
86 10.4 8.4 12.6





#43  
Ethyl Acetate  
Concen: 19.328 ug/l  
RT: 7.553 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

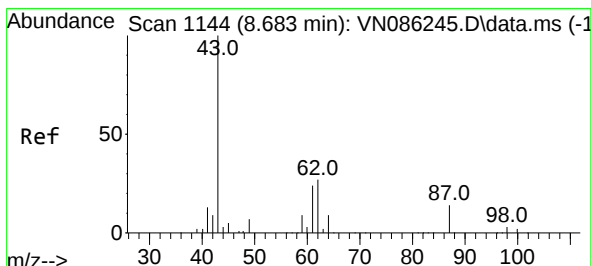
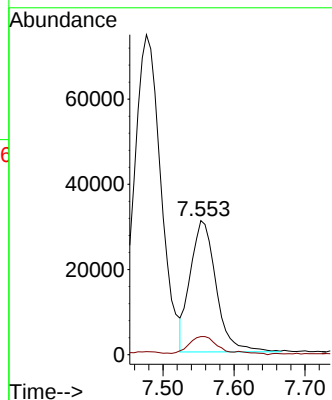
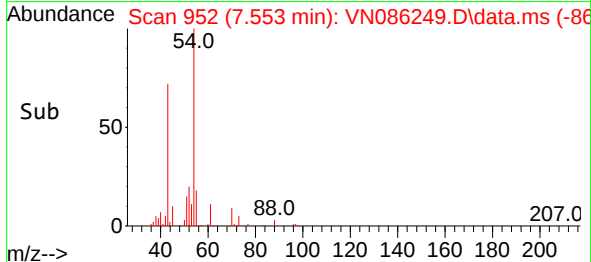
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion: 43 Resp: 7796  
Ion Ratio Lower Upper  
43 100  
45 13.2 11.2 16.8

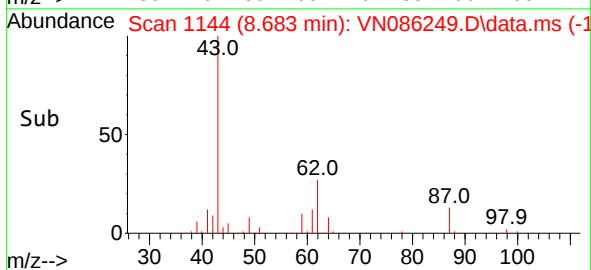
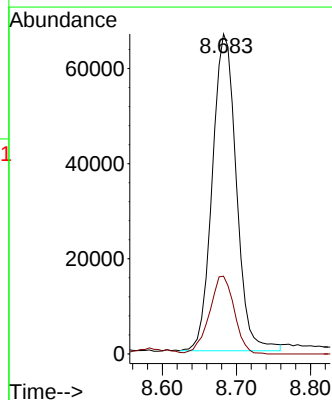
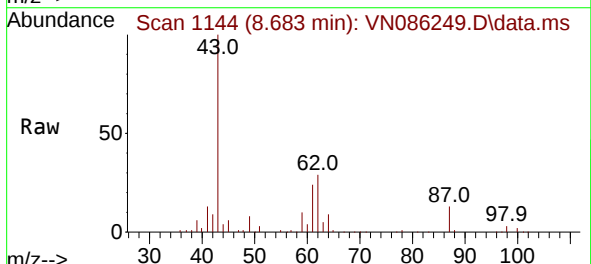
Manual Integrations  
APPROVED

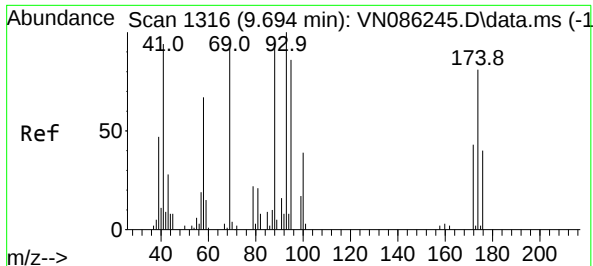
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#44  
Isopropyl Acetate  
Concen: 20.046 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Tgt Ion: 43 Resp: 150010  
Ion Ratio Lower Upper  
43 100  
61 24.9 20.5 30.7





#45

1,4-Dioxane

Concen: 366.878 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086249.D

Acq: 11 Apr 2025 14:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0411WBS01

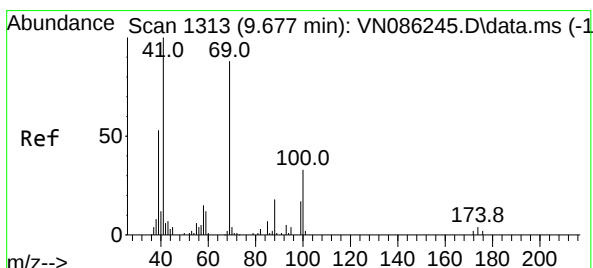
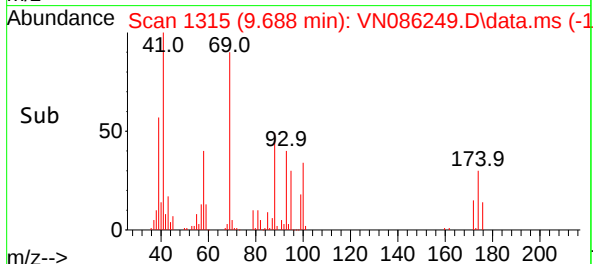
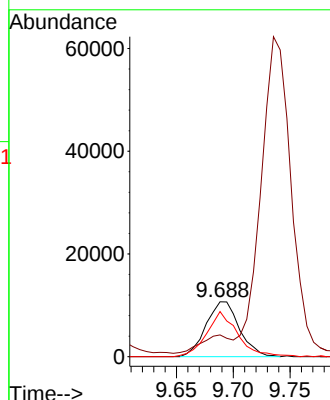
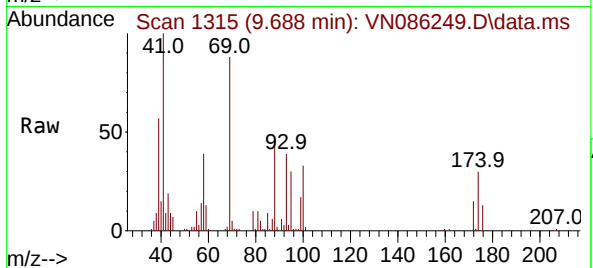
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 88    | Resp: | 2183 |
| Ion Ratio | Lower | Upper |      |
| 88        | 100   |       |      |
| 43        | 30.1  | 14.4  | 21.6 |
| 58        | 76.8  | 59.8  | 89.8 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#46

Methyl methacrylate

Concen: 20.193 ug/l

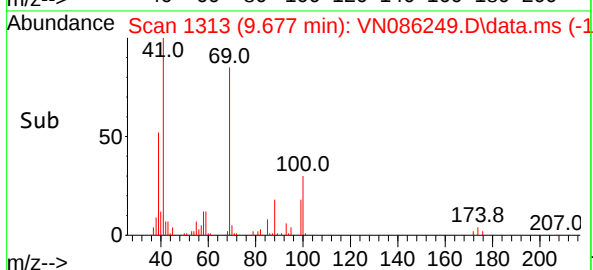
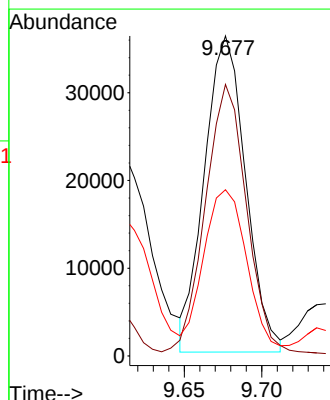
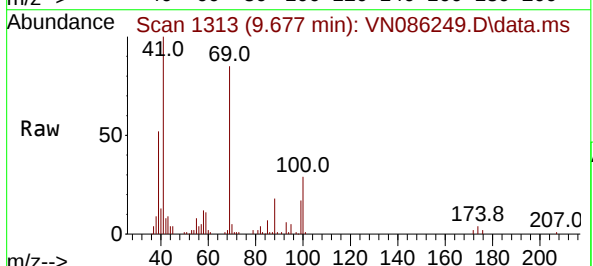
RT: 9.677 min Scan# 1313

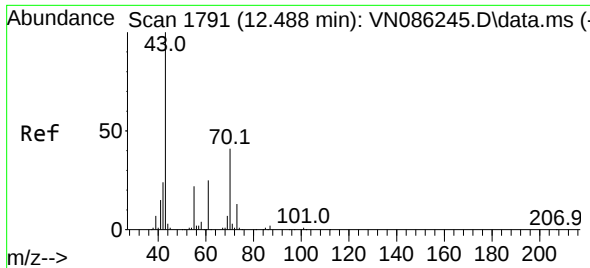
Delta R.T. -0.000 min

Lab File: VN086249.D

Acq: 11 Apr 2025 14:38

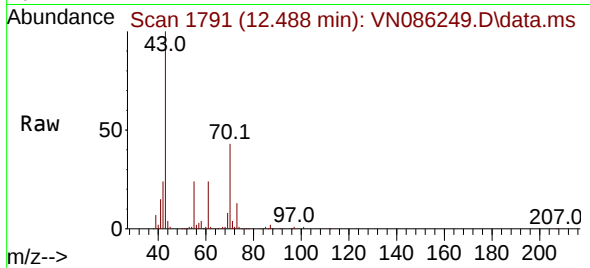
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 66579 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 85.8  | 43.2  | 129.6 |
| 39        | 51.3  | 26.4  | 79.0  |





#47  
n-amy1 Acetate  
Concen: 19.943 ug/l  
RT: 12.488 min Scan# 11832  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

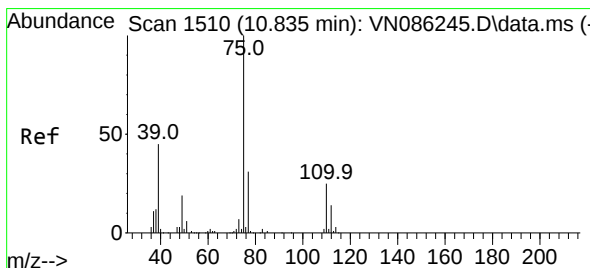
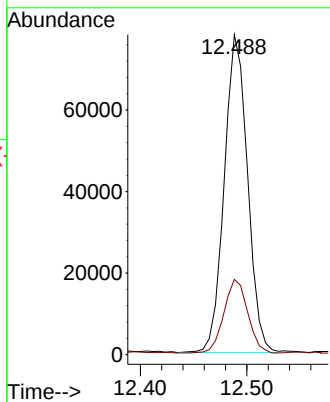
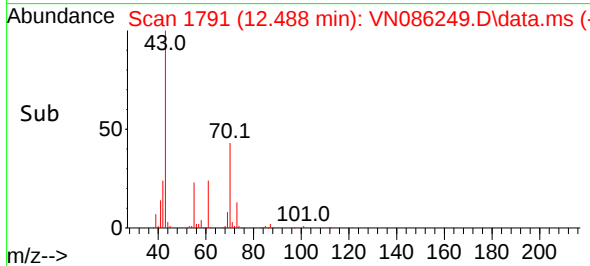
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion: 43 Resp: 11832  
Ion Ratio Lower Upper  
43 100  
55 23.5 19.0 28.4

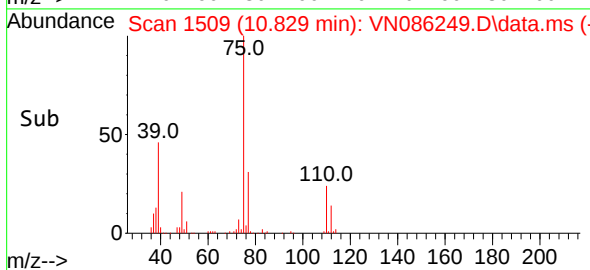
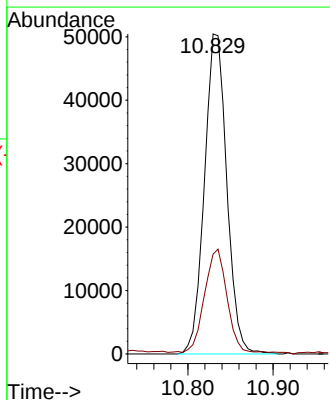
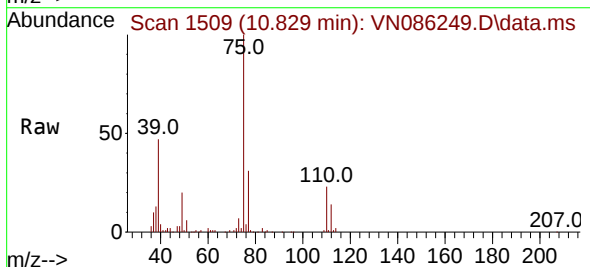
Manual Integrations  
APPROVED

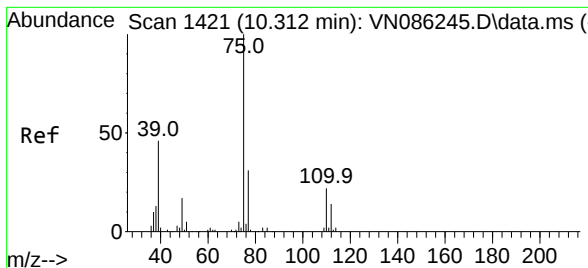
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#48  
t-1,3-Dichloropropene  
Concen: 20.541 ug/l  
RT: 10.829 min Scan# 1509  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

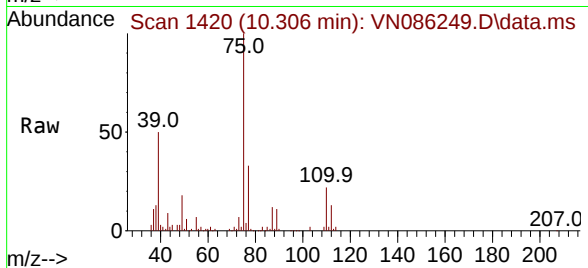
Tgt Ion: 75 Resp: 92056  
Ion Ratio Lower Upper  
75 100  
77 30.7 25.1 37.7





#49  
 cis-1,3-Dichloropropene  
 Concen: 20.682 ug/l  
 RT: 10.306 min Scan# 1421  
 Delta R.T. -0.006 min  
 Lab File: VN086249.D  
 Acq: 11 Apr 2025 14:38

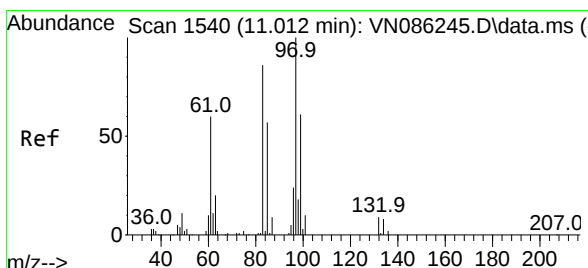
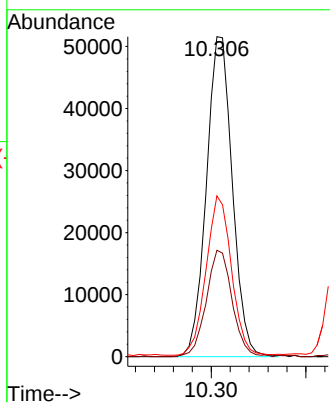
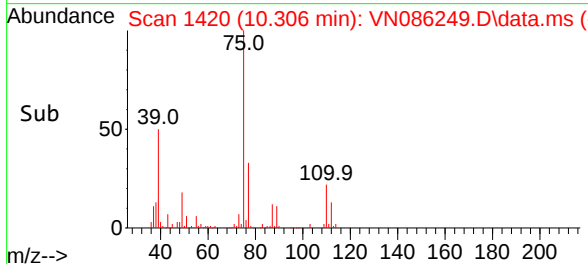
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0411WBS01



Tgt Ion: 75 Resp: 98100  
 Ion Ratio Lower Upper  
 75 100  
 77 32.9 25.0 37.4  
 39 49.8 36.7 55.1

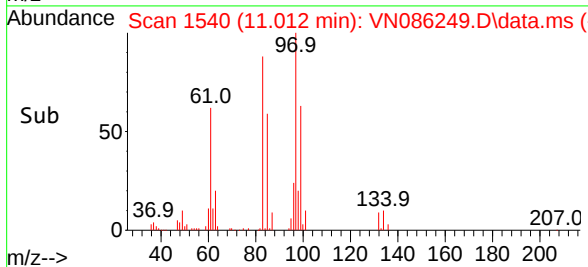
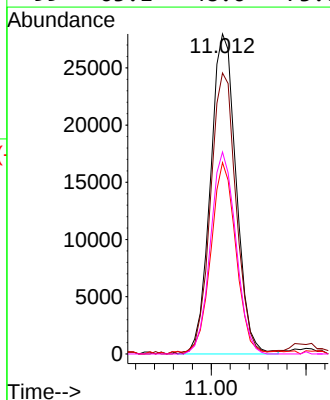
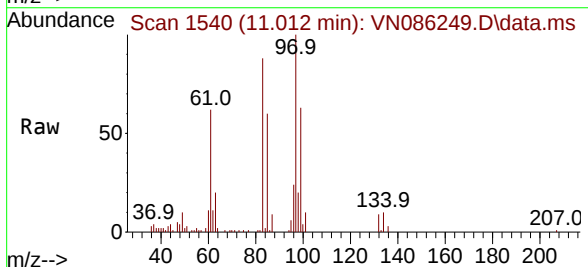
Manual Integrations  
 APPROVED

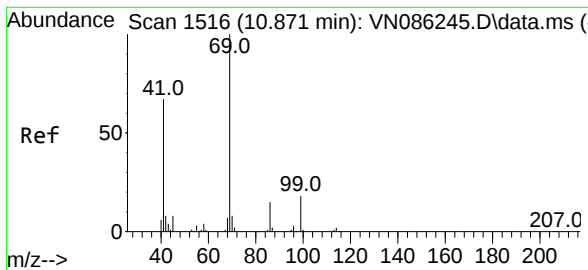
Reviewed By :John Carlone 04/14/2025  
 Supervised By :Mahesh Dadoda 04/14/2025



#50  
 1,1,2-Trichloroethane  
 Concen: 20.382 ug/l  
 RT: 11.012 min Scan# 1540  
 Delta R.T. -0.000 min  
 Lab File: VN086249.D  
 Acq: 11 Apr 2025 14:38

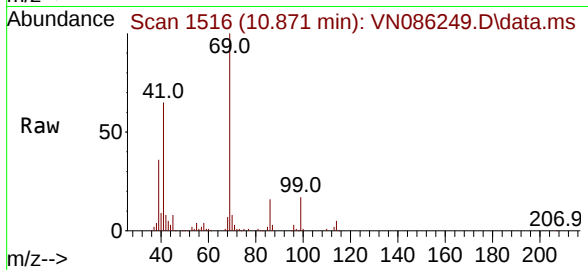
Tgt Ion: 97 Resp: 52750  
 Ion Ratio Lower Upper  
 97 100  
 83 87.0 68.6 103.0  
 85 59.1 45.9 68.9  
 99 63.1 48.6 73.0





#51  
Ethyl methacrylate  
Concen: 20.222 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

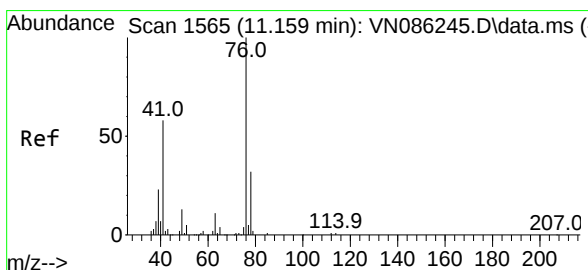
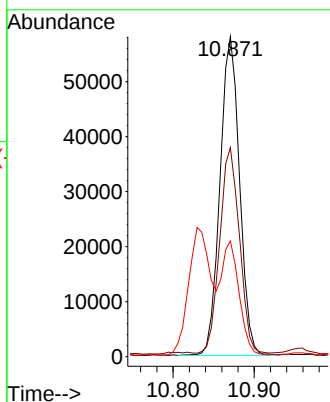
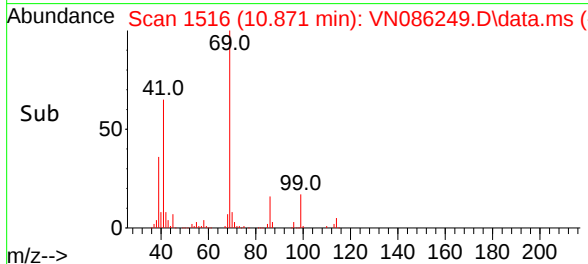
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion: 69 Resp: 97258  
Ion Ratio Lower Upper  
69 100  
41 64.3 33.6 100.6  
39 35.9 17.8 53.4

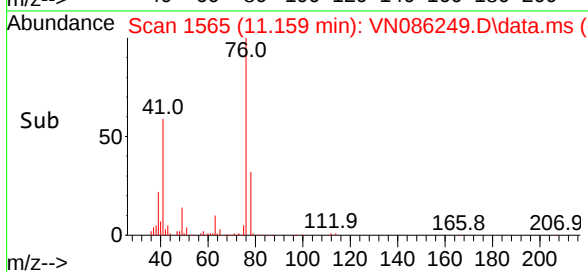
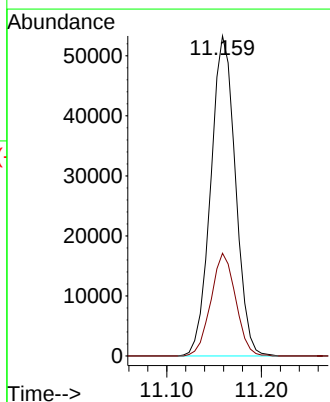
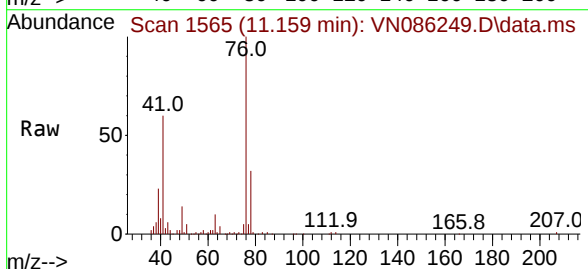
Manual Integrations  
APPROVED

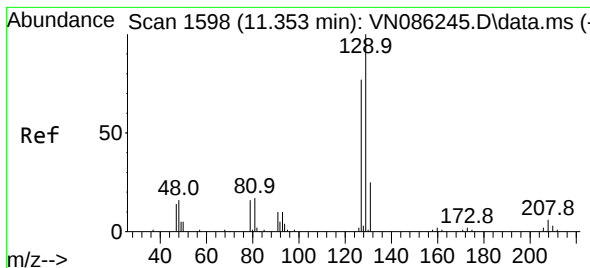
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#52  
1,3-Dichloropropane  
Concen: 20.938 ug/l  
RT: 11.159 min Scan# 1565  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Tgt Ion: 76 Resp: 96585  
Ion Ratio Lower Upper  
76 100  
78 32.1 0.0 64.6





#53

Dibromochloromethane

Concen: 20.369 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. -0.000 min

Lab File: VN086249.D

Acq: 11 Apr 2025 14:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0411WBS01

Tgt Ion:129 Resp: 5766

Ion Ratio Lower Upper

129 100

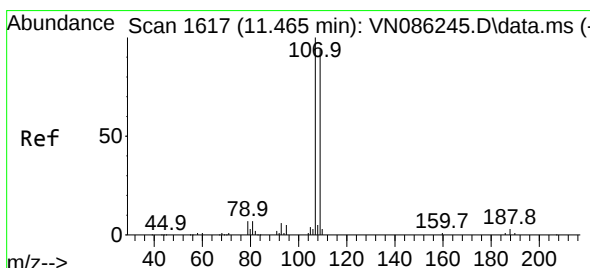
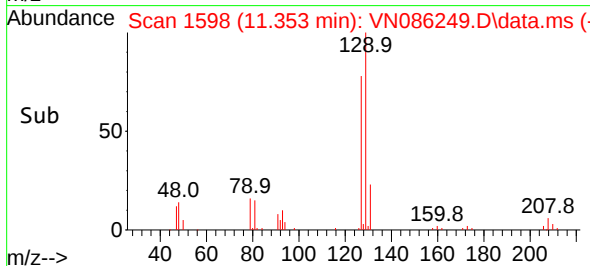
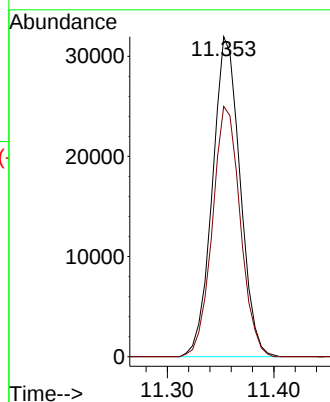
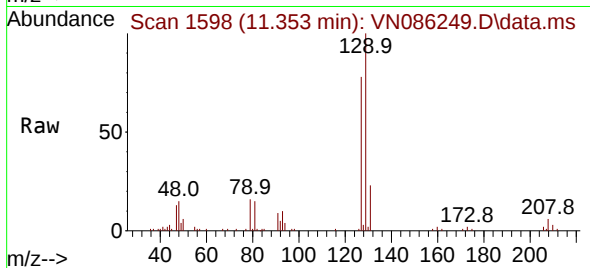
127 78.7 38.5 115.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#54

1,2-Dibromoethane

Concen: 20.012 ug/l

RT: 11.465 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VN086249.D

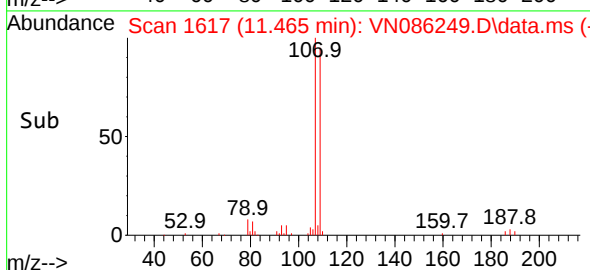
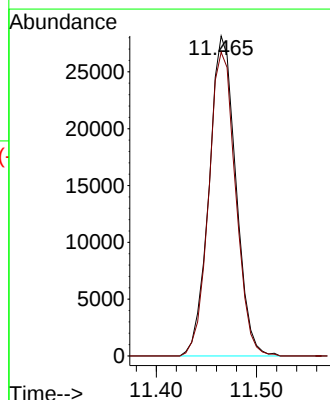
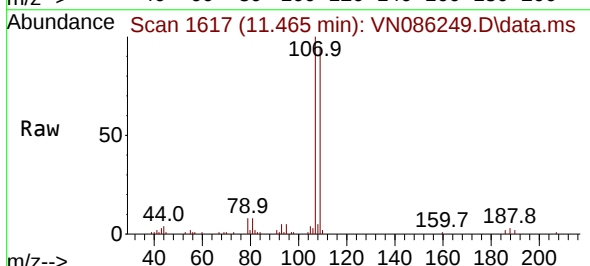
Acq: 11 Apr 2025 14:38

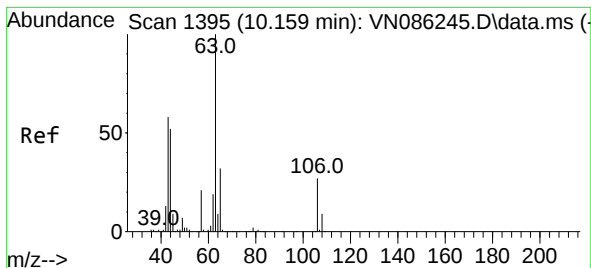
Tgt Ion:107 Resp: 52283

Ion Ratio Lower Upper

107 100

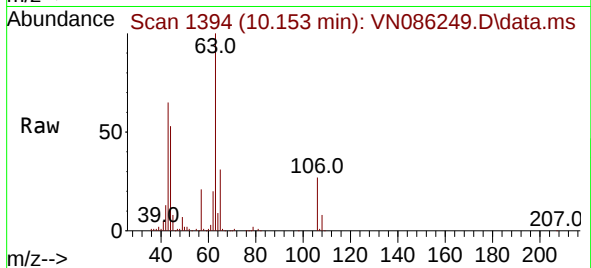
109 95.0 75.2 112.8





#55  
2-Chloroethyl vinyl ether  
Concen: 100.309 ug/l  
RT: 10.153 min Scan# 1394  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

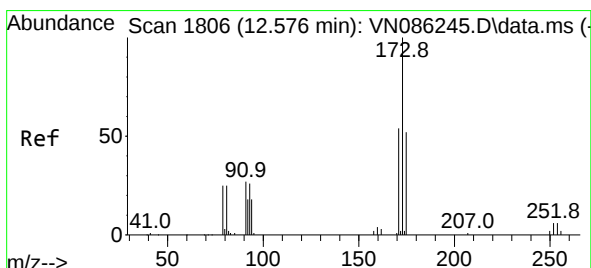
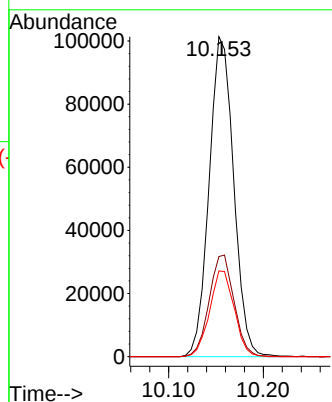
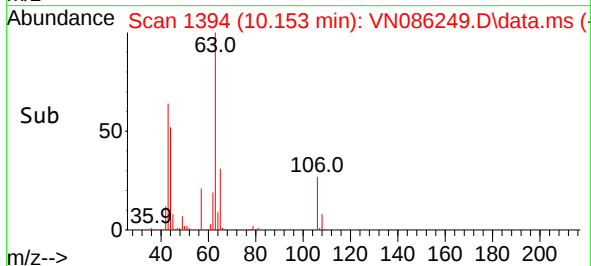
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion: 63 Resp: 182299  
Ion Ratio Lower Upper  
63 100  
65 32.2 25.8 38.8  
106 27.0 21.8 32.8

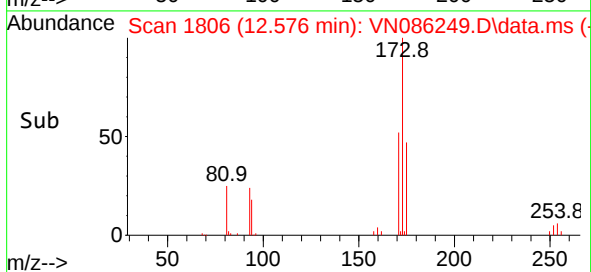
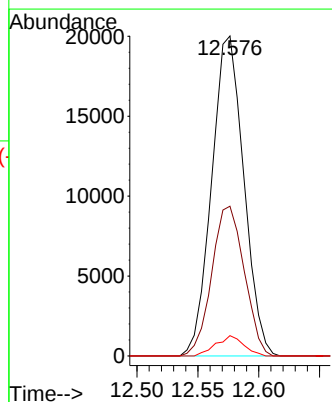
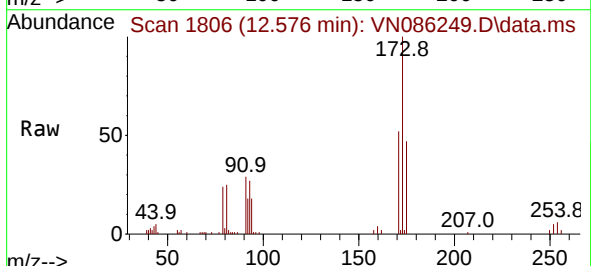
Manual Integrations  
APPROVED

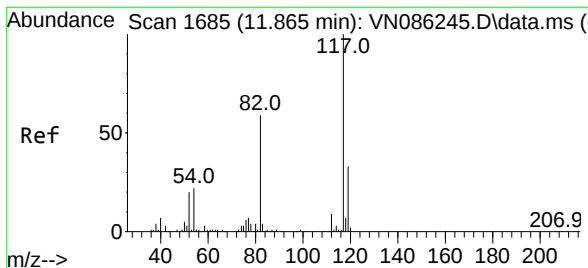
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#56  
Bromoform  
Concen: 19.864 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

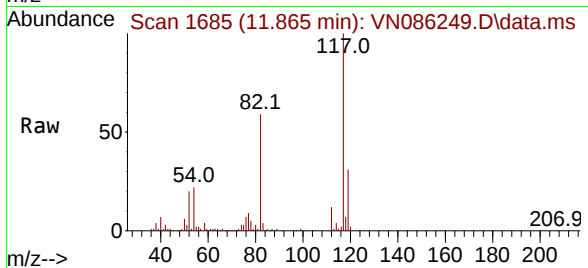
Tgt Ion:173 Resp: 36790  
Ion Ratio Lower Upper  
173 100  
175 47.3 38.2 57.4  
254 5.5 4.5 6.7





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

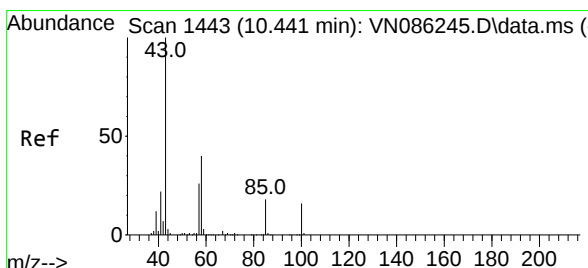
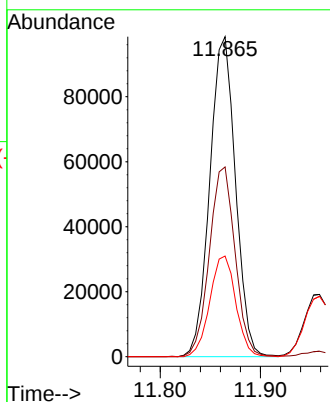
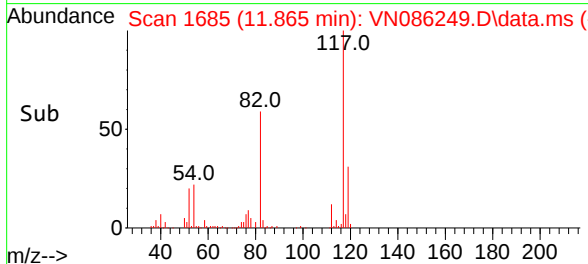
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion:117 Resp: 175632  
Ion Ratio Lower Upper  
117 100  
82 59.5 47.3 70.9  
119 31.8 25.9 38.9

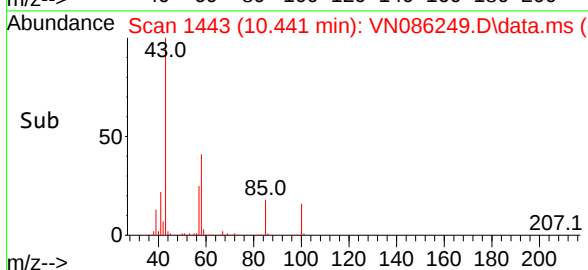
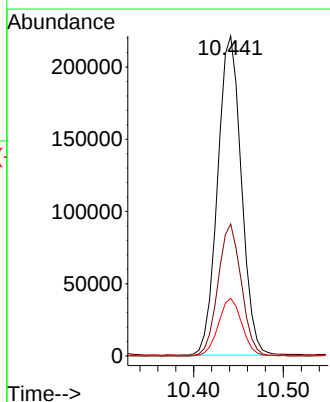
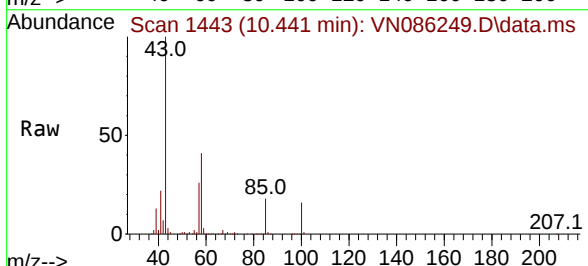
Manual Integrations  
APPROVED

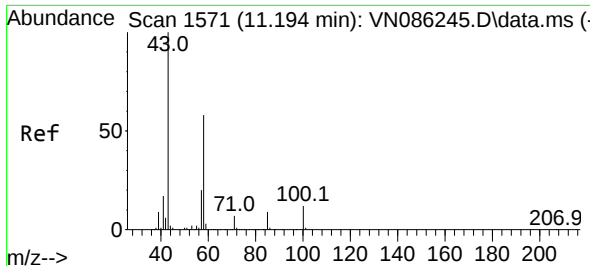
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#58  
4-Methyl-2-Pentanone  
Concen: 101.770 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

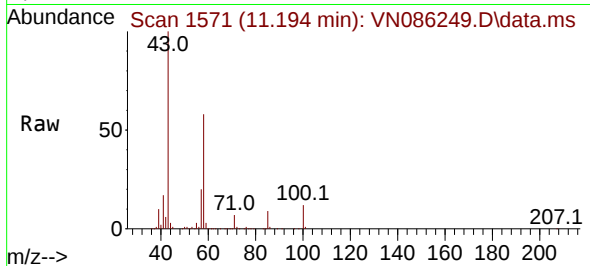
Tgt Ion: 43 Resp: 405618  
Ion Ratio Lower Upper  
43 100  
58 40.6 32.5 48.7  
85 17.9 14.4 21.6





#59  
2-Hexanone  
Concen: 100.637 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

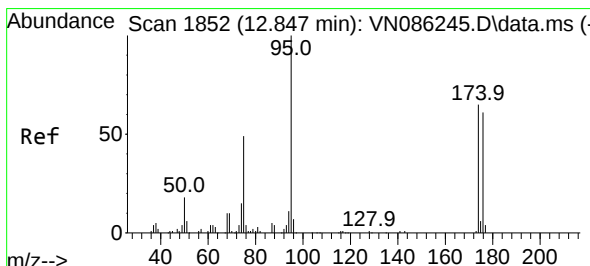
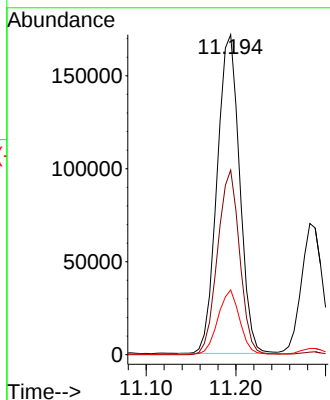
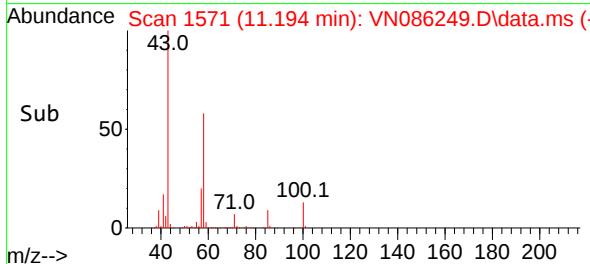
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



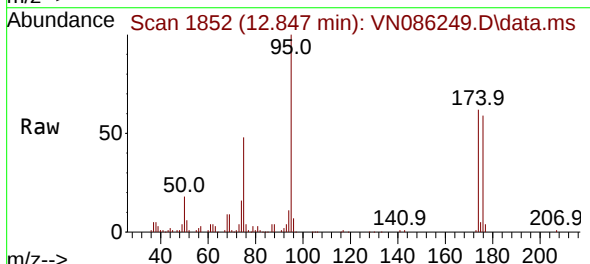
Tgt Ion: 43 Resp: 29867  
Ion Ratio Lower Upper  
43 100  
58 56.8 45.3 67.9  
57 19.3 15.8 23.6

Manual Integrations  
APPROVED

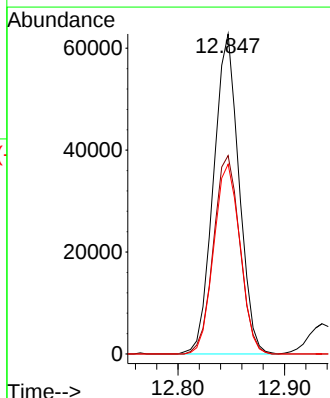
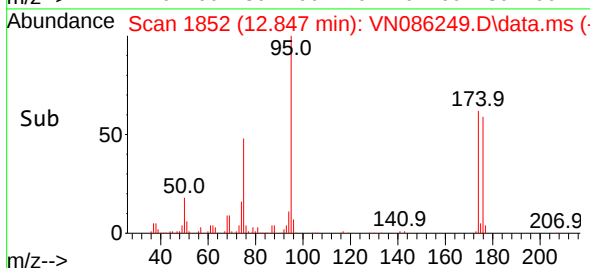
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025

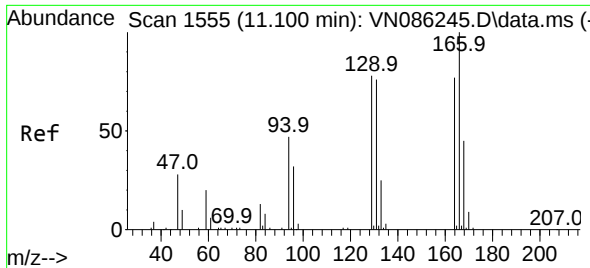


#60  
4-Bromofluorobenzene  
Concen: 29.838 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38



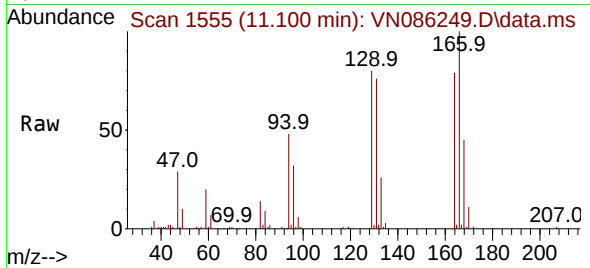
Tgt Ion: 95 Resp: 104335  
Ion Ratio Lower Upper  
95 100  
174 63.9 52.7 79.1  
176 61.2 49.8 74.8





#61  
Tetrachloroethene  
Concen: 20.949 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

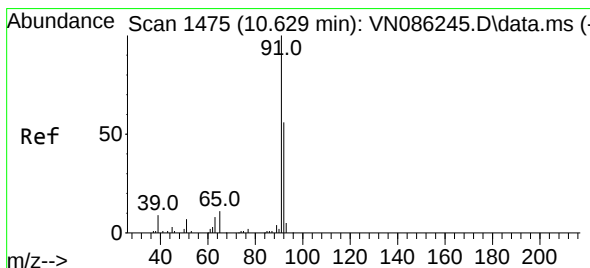
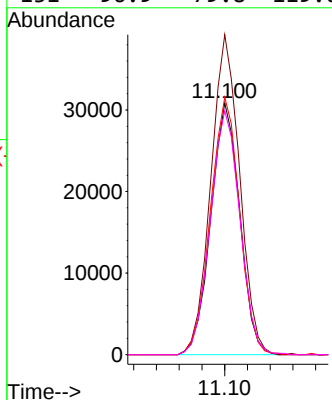
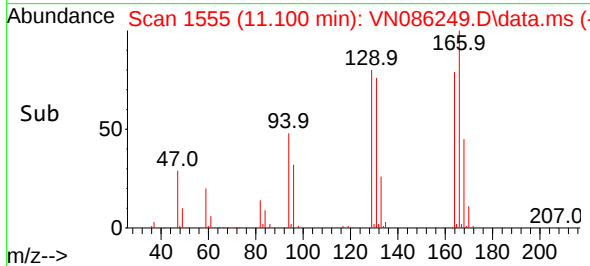
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion:164 Resp: 54339  
Ion Ratio Lower Upper  
164 100  
166 127.2 104.5 156.7  
129 102.3 81.7 122.5  
131 96.9 79.8 119.6

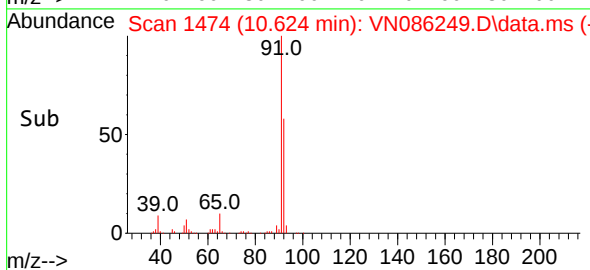
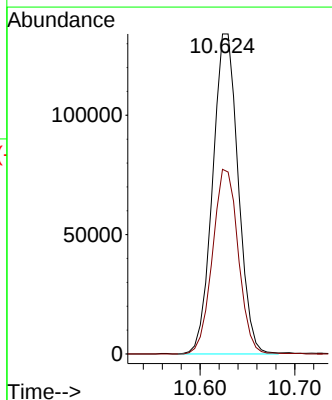
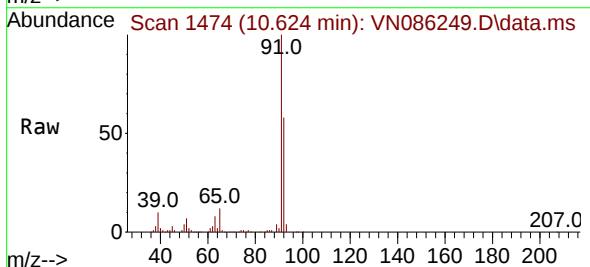
Manual Integrations  
APPROVED

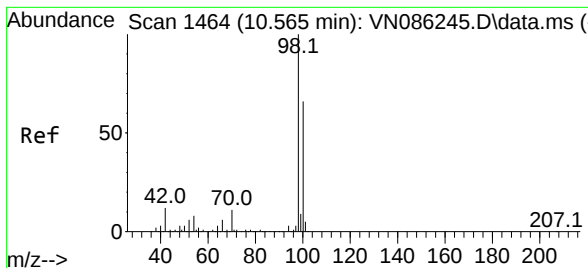
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#62  
Toluene  
Concen: 21.355 ug/l  
RT: 10.624 min Scan# 1474  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

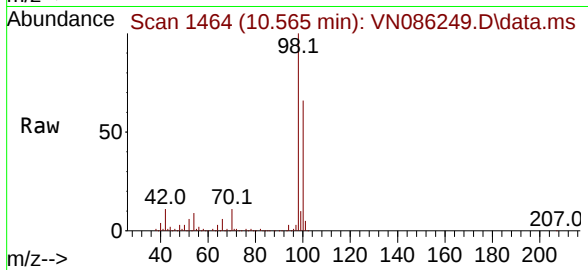
Tgt Ion: 91 Resp: 251566  
Ion Ratio Lower Upper  
91 100  
92 58.1 46.8 70.2





#63  
Toluene-d8  
Concen: 30.325 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

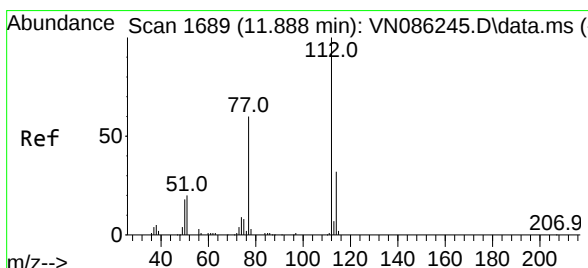
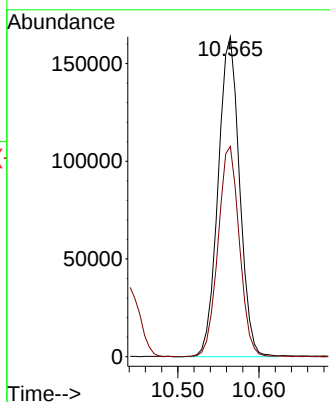
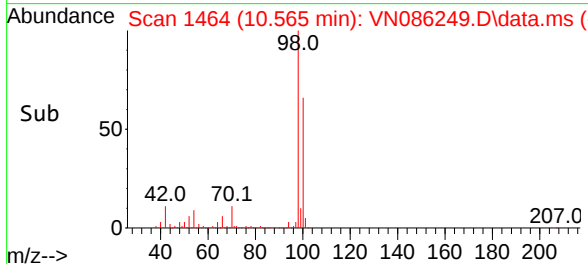
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion: 98 Resp: 300690  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.3 78.5

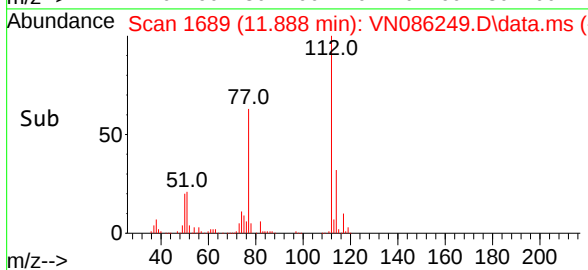
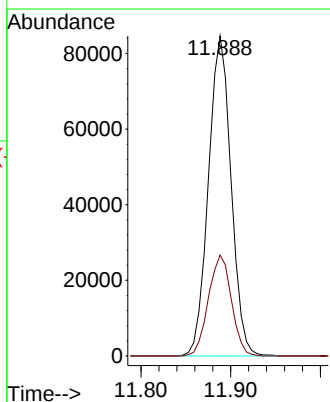
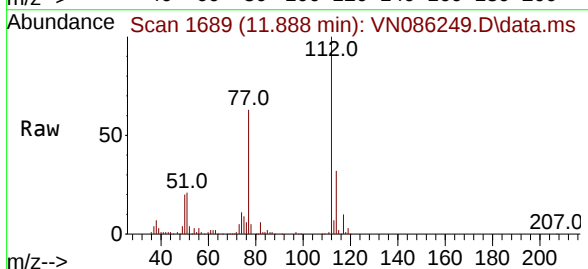
Manual Integrations  
APPROVED

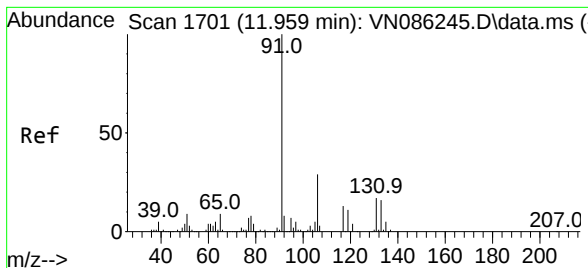
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#64  
Chlorobenzene  
Concen: 20.597 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

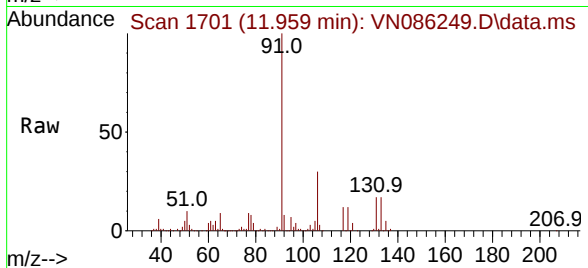
Tgt Ion:112 Resp: 148243  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.8 38.6





#65  
1,1,1,2-Tetrachloroethane  
Concen: 21.344 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

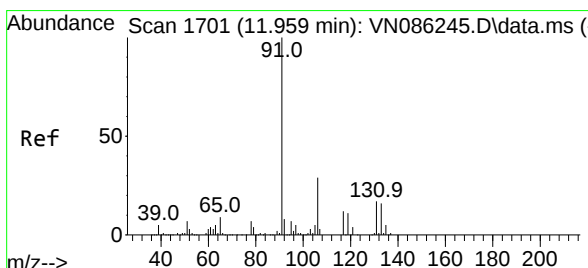
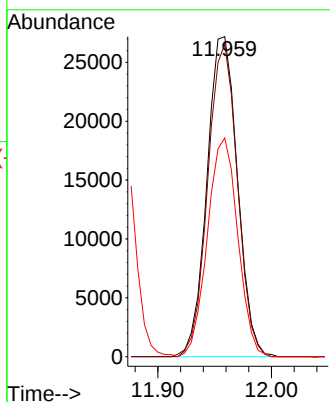
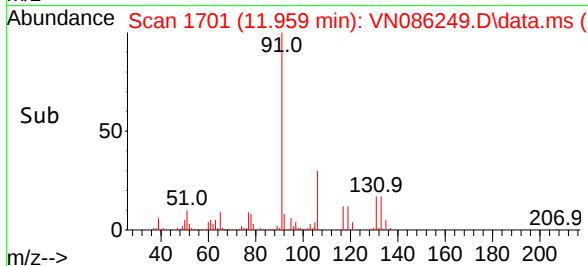
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion:131 Resp: 50690  
Ion Ratio Lower Upper  
131 100  
133 94.9 0.0 190.4  
119 67.7 0.0 135.6

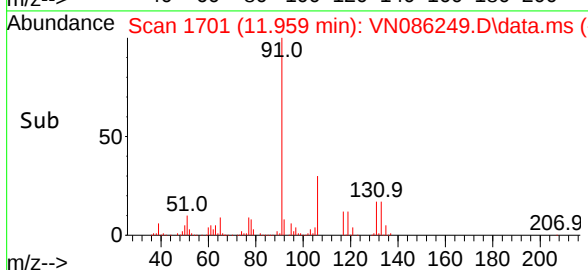
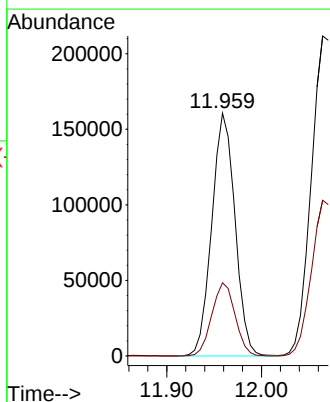
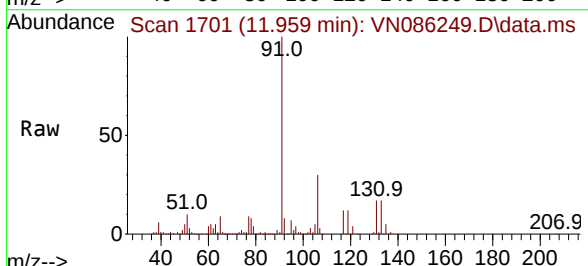
Manual Integrations  
APPROVED

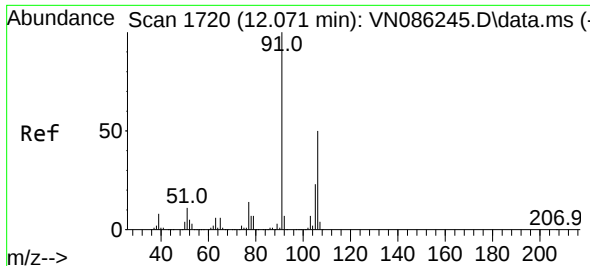
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#66  
Ethyl Benzene  
Concen: 20.960 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

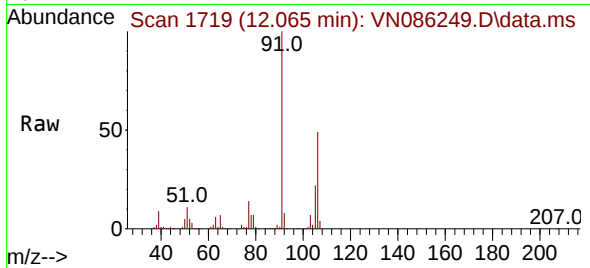
Tgt Ion: 91 Resp: 273823  
Ion Ratio Lower Upper  
91 100  
106 30.1 23.4 35.0





#67  
m/p-Xylenes  
Concen: 41.705 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

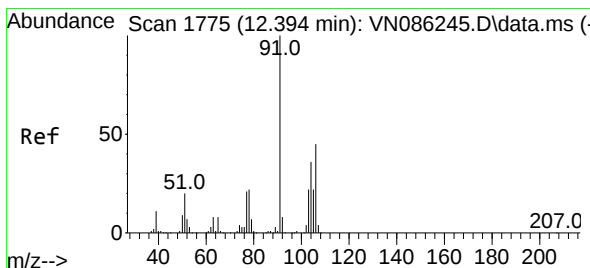
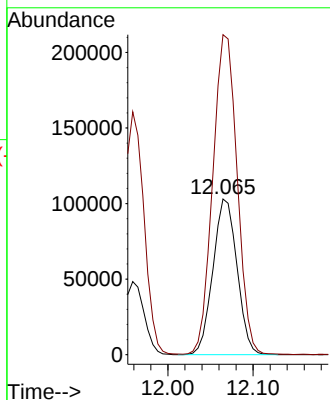
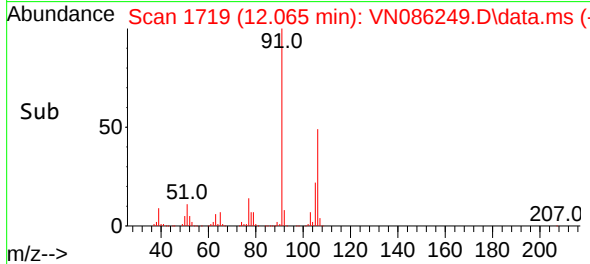
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion:106 Resp: 202590  
Ion Ratio Lower Upper  
106 100  
91 208.3 164.5 246.7

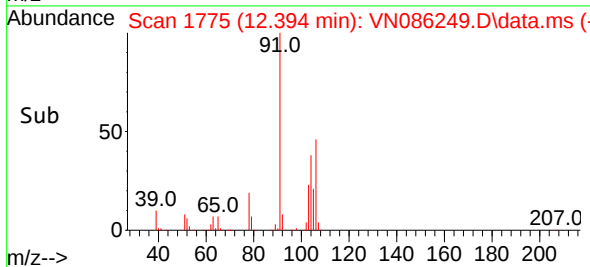
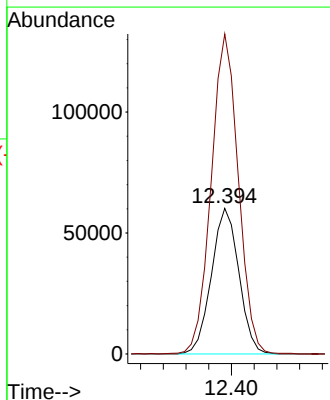
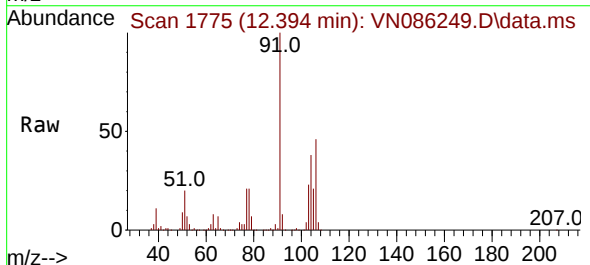
Manual Integrations  
APPROVED

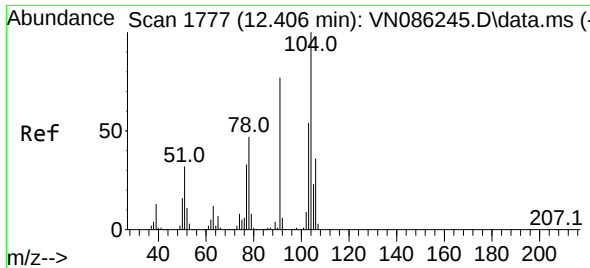
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#68  
o-Xylene  
Concen: 21.129 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

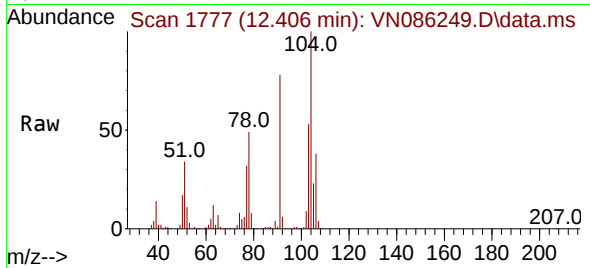
Tgt Ion:106 Resp: 100957  
Ion Ratio Lower Upper  
106 100  
91 217.4 109.8 329.4





#69  
Styrene  
Concen: 20.929 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

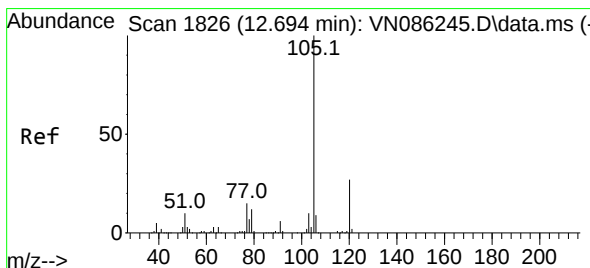
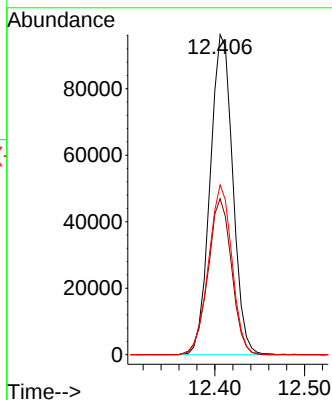
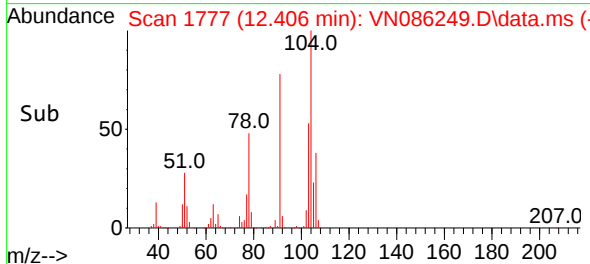
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion:104 Resp: 168658  
Ion Ratio Lower Upper  
104 100  
78 50.7 41.4 62.0  
103 54.8 44.2 66.4

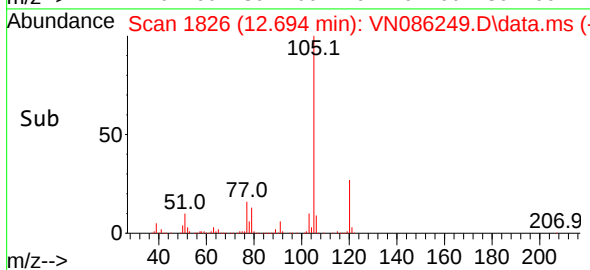
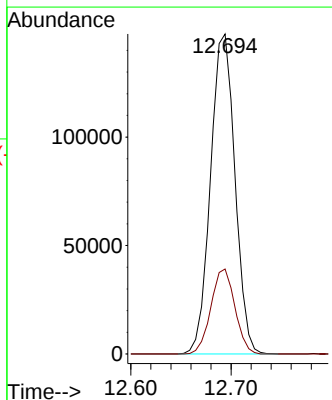
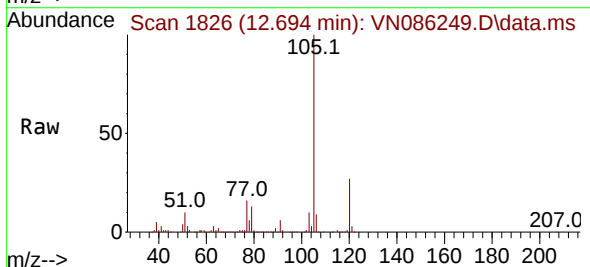
Manual Integrations  
APPROVED

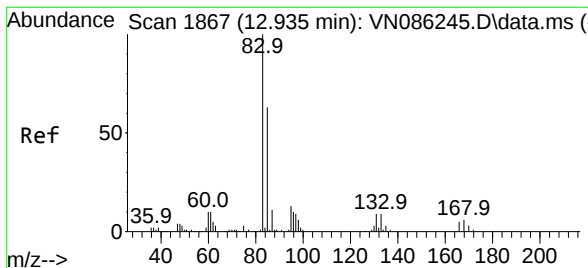
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#70  
Isopropylbenzene  
Concen: 21.200 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

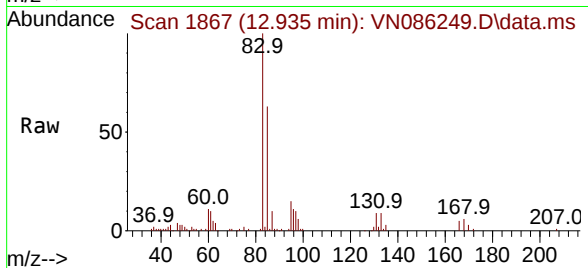
Tgt Ion:105 Resp: 249762  
Ion Ratio Lower Upper  
105 100  
120 26.0 18.3 34.1





#71  
1,1,2,2-Tetrachloroethane  
Concen: 20.801 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

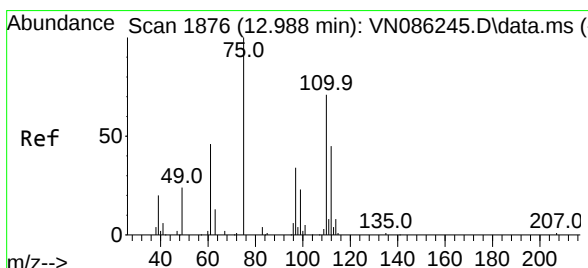
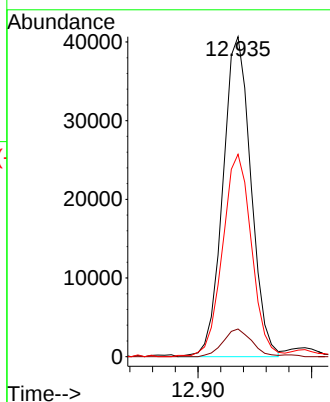
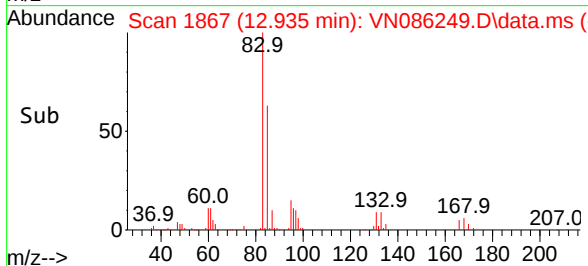
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



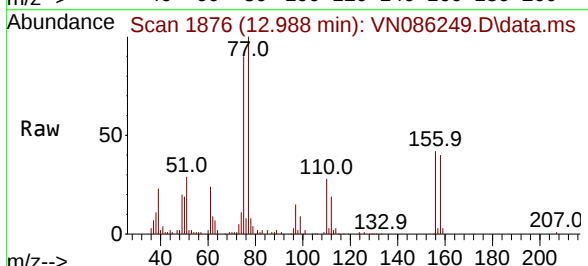
Tgt Ion: 83 Resp: 6975  
Ion Ratio Lower Upper  
83 100  
131 8.9 4.8 14.3  
85 65.3 32.3 96.8

Manual Integrations  
APPROVED

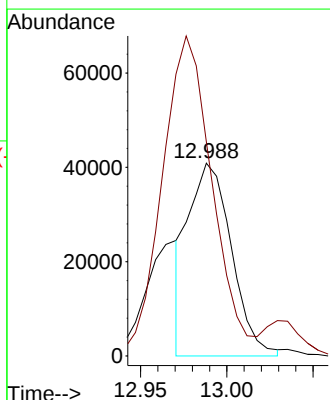
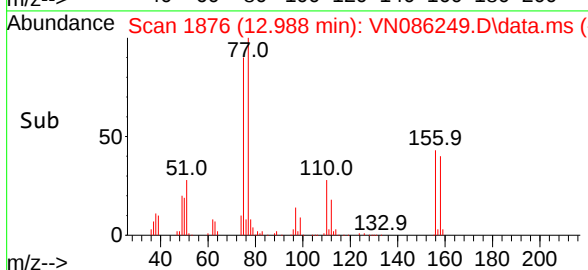
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025

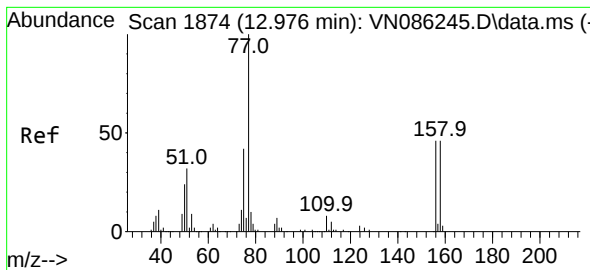


#72  
1,2,3-Trichloropropane  
Concen: 20.279 ug/l m  
RT: 12.988 min Scan# 1876  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38



Tgt Ion: 75 Resp: 70785  
Ion Ratio Lower Upper  
75 100  
77 194.0 0.0 380.0





#73

Bromobenzene

Concen: 20.572 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN086249.D

Acq: 11 Apr 2025 14:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0411WBS01

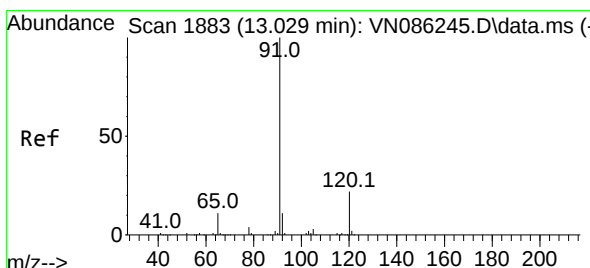
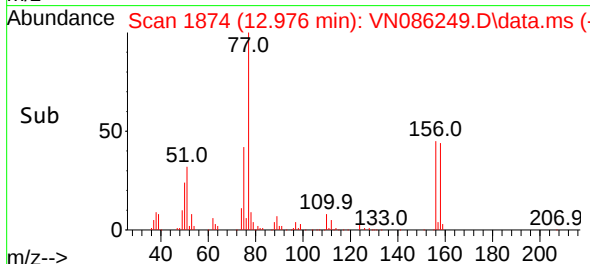
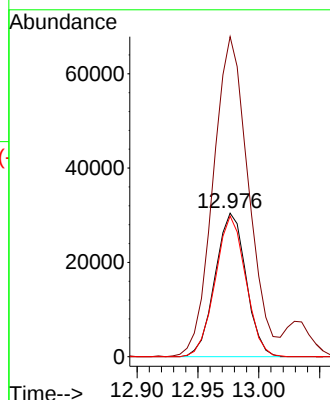
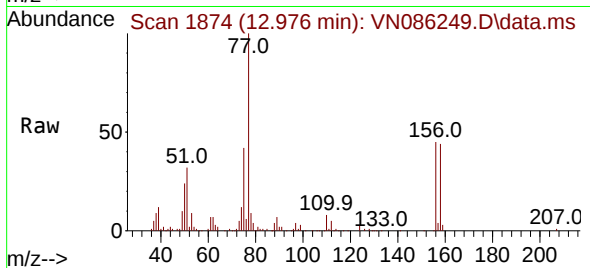
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 5369  |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 255.8 | 0.0   | 505.2 |
| 158       | 96.7  | 0.0   | 195.0 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#74

n-propylbenzene

Concen: 21.231 ug/l

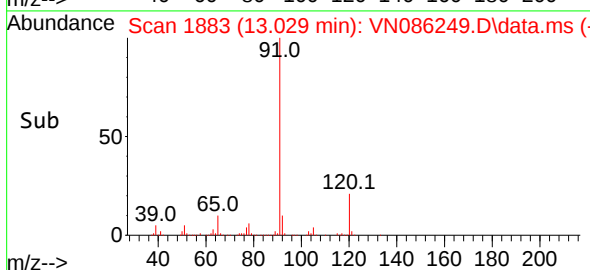
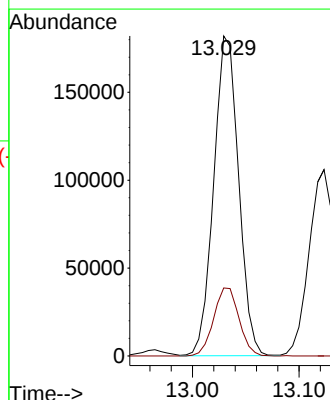
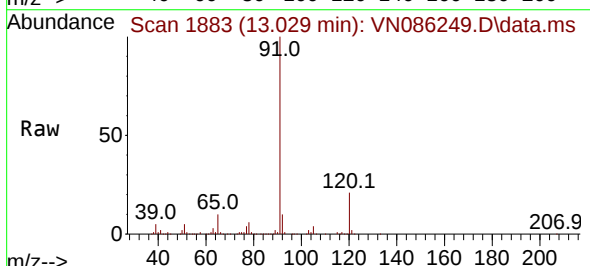
RT: 13.029 min Scan# 1883

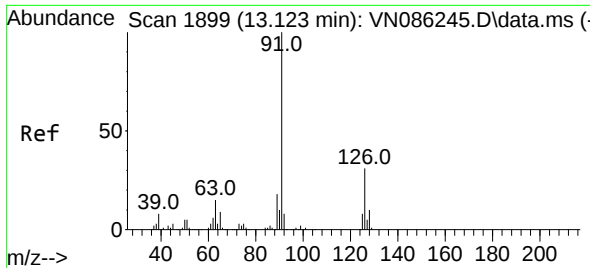
Delta R.T. -0.000 min

Lab File: VN086249.D

Acq: 11 Apr 2025 14:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 295354 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.6  | 0.0   | 44.0   |





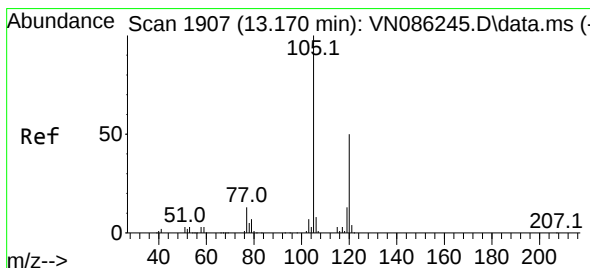
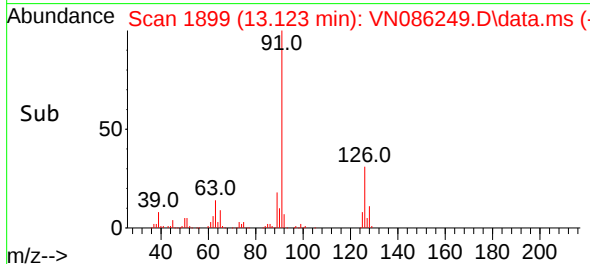
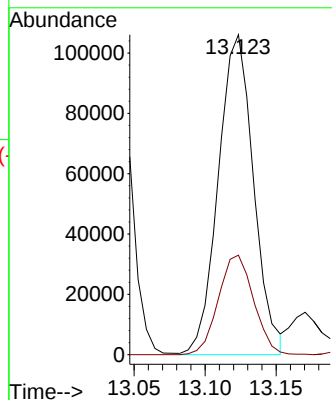
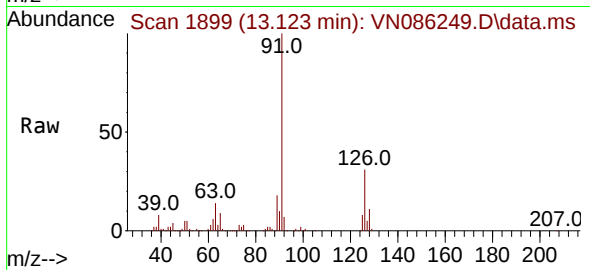
#75  
2-Chlorotoluene  
Concen: 20.961 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01

Tgt Ion: 91 Resp: 18328  
Ion Ratio Lower Upper  
91 100  
126 31.0 0.0 63.4

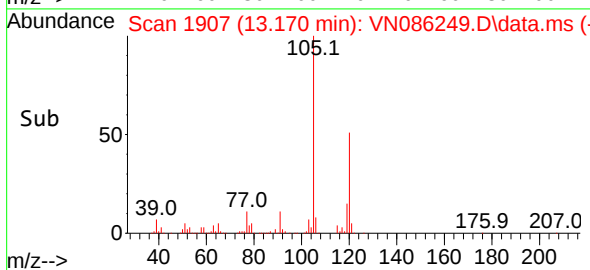
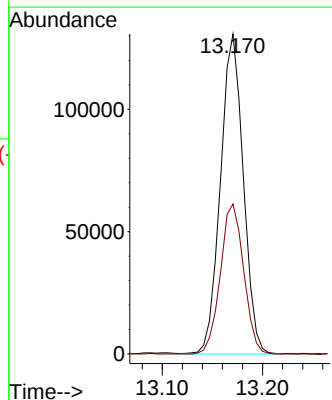
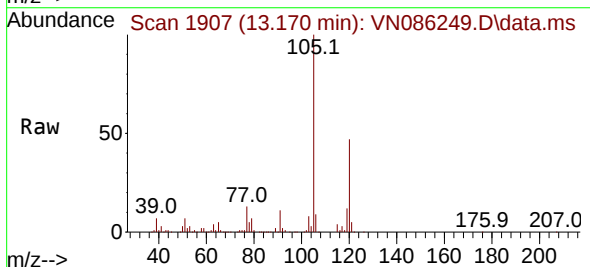
Manual Integrations  
APPROVED

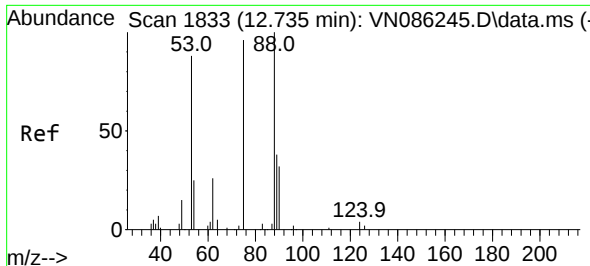
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#76  
1,3,5-Trimethylbenzene  
Concen: 21.352 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

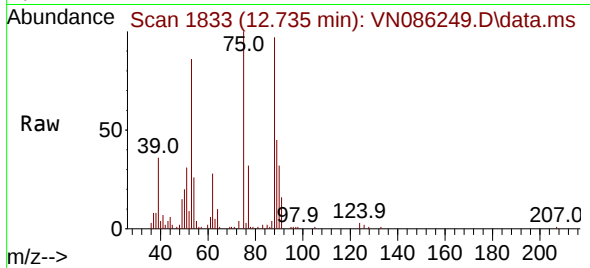
Tgt Ion:105 Resp: 206643  
Ion Ratio Lower Upper  
105 100  
120 47.8 0.0 98.0





#77  
t-1,4-Dichloro-2-butene  
Concen: 19.426 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

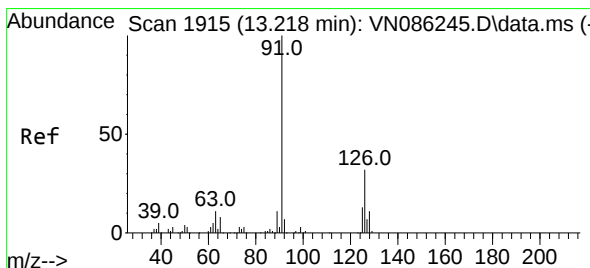
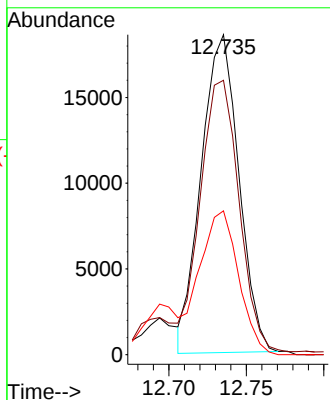
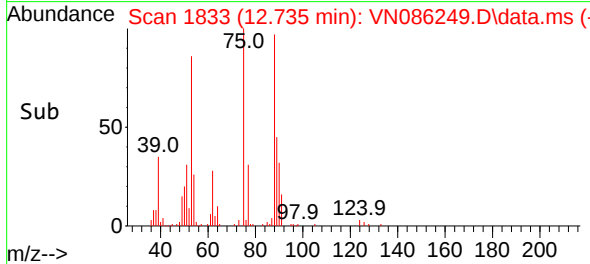
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



Tgt Ion: 75 Resp: 31260  
Ion Ratio Lower Upper  
75 100  
53 85.1 46.4 139.2  
89 45.4 22.5 67.5

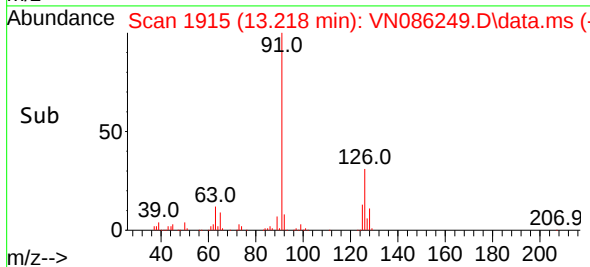
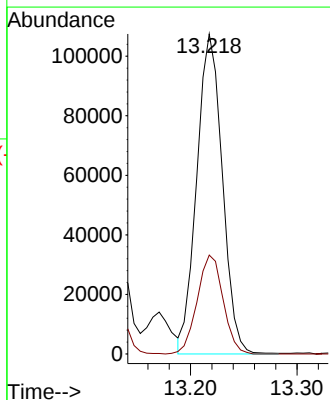
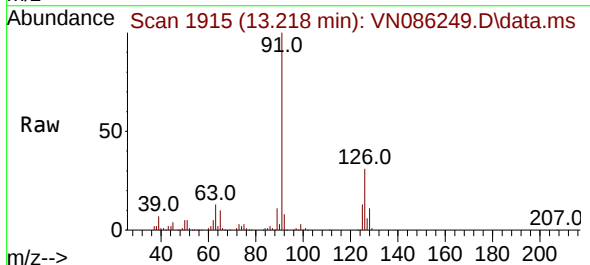
Manual Integrations  
APPROVED

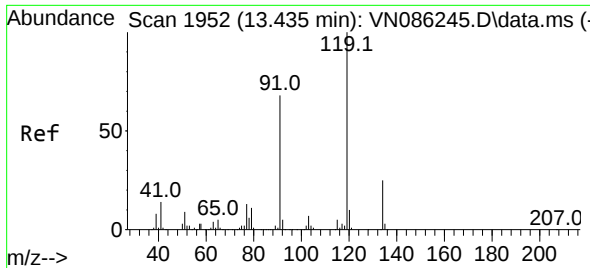
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#78  
4-Chlorotoluene  
Concen: 20.589 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Tgt Ion: 91 Resp: 179801  
Ion Ratio Lower Upper  
91 100  
126 31.2 0.0 63.2





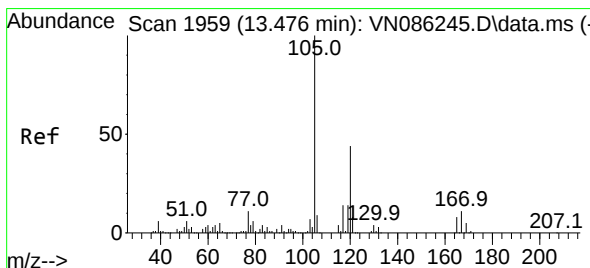
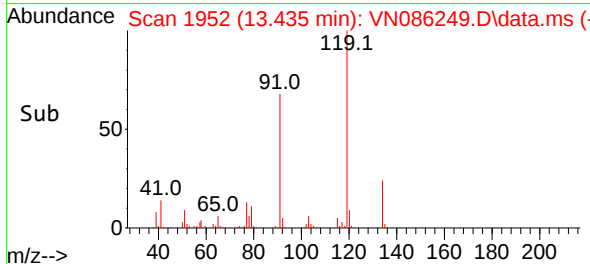
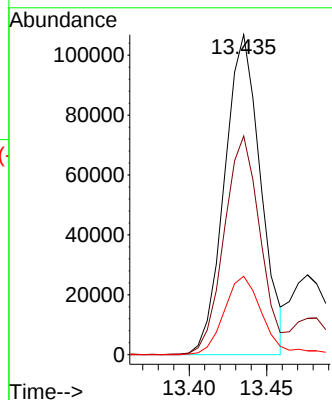
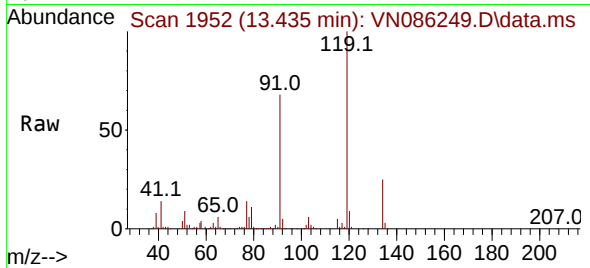
#79  
tert-butylbenzene  
Concen: 20.714 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01

Tgt Ion:119 Resp: 173459  
Ion Ratio Lower Upper  
119 100  
91 67.9 0.0 136.6  
134 26.2 0.0 49.4

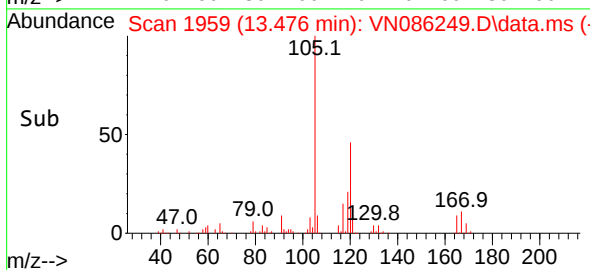
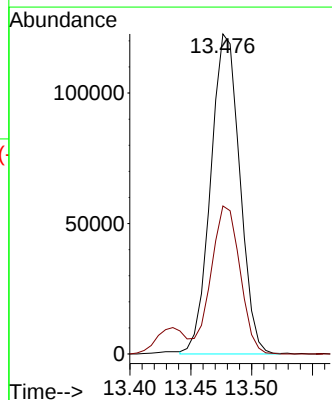
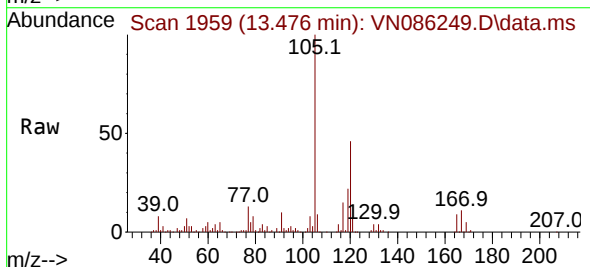
Manual Integrations  
APPROVED

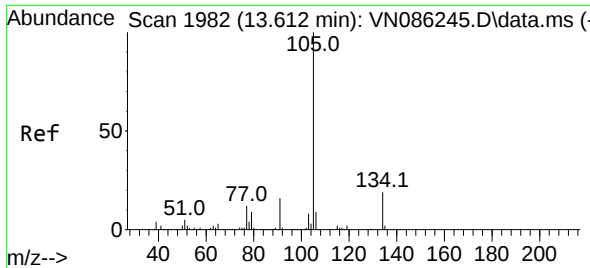
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#80  
1,2,4-Trimethylbenzene  
Concen: 20.782 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Tgt Ion:105 Resp: 203945  
Ion Ratio Lower Upper  
105 100  
120 46.4 0.0 91.0





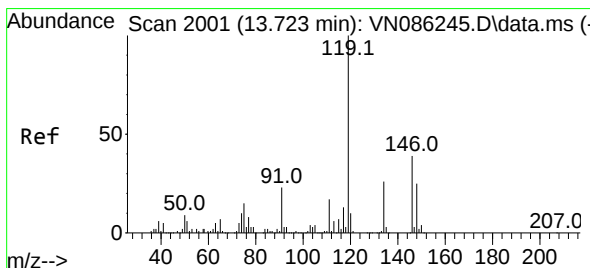
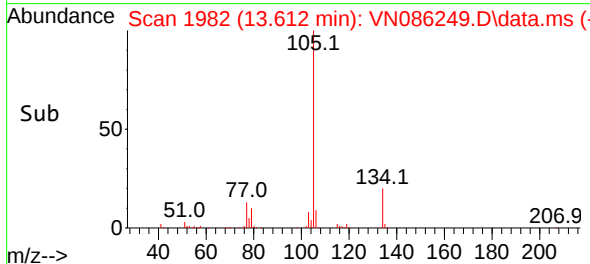
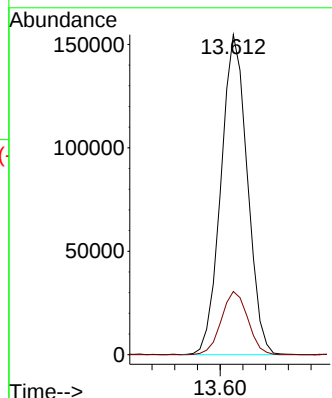
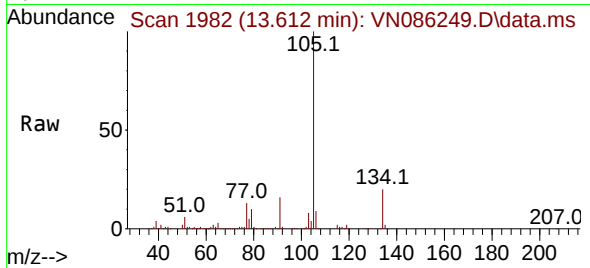
#81  
 sec-Butylbenzene  
 Concen: 21.354 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN086249.D  
 Acq: 11 Apr 2025 14:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0411WBS01

Tgt Ion:105 Resp: 24944  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 0.0 38.6

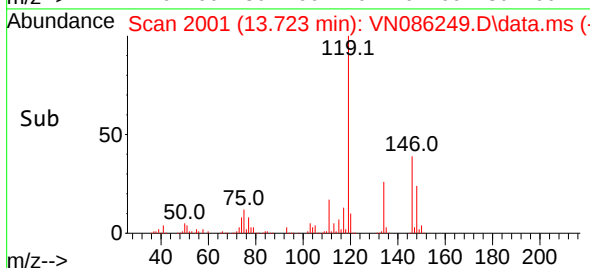
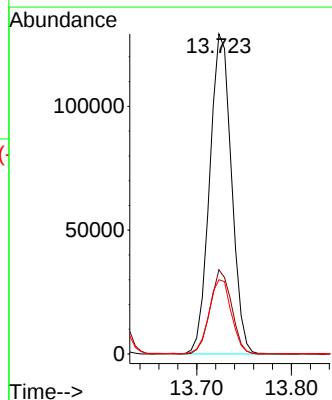
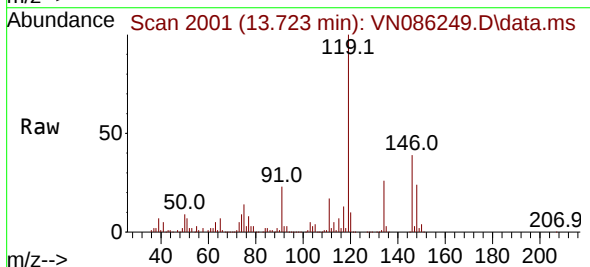
Manual Integrations  
 APPROVED

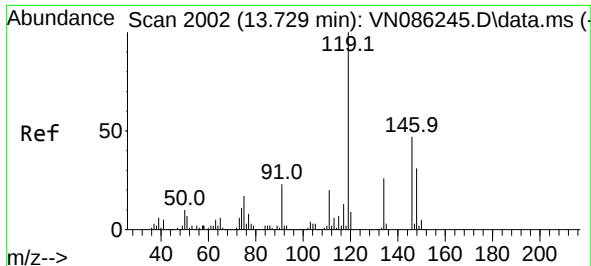
Reviewed By :John Carlone 04/14/2025  
 Supervised By :Mahesh Dadoda 04/14/2025



#82  
 p-Isopropyltoluene  
 Concen: 21.296 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. -0.000 min  
 Lab File: VN086249.D  
 Acq: 11 Apr 2025 14:38

Tgt Ion:119 Resp: 207519  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 0.0 51.6  
 91 23.9 0.0 48.2





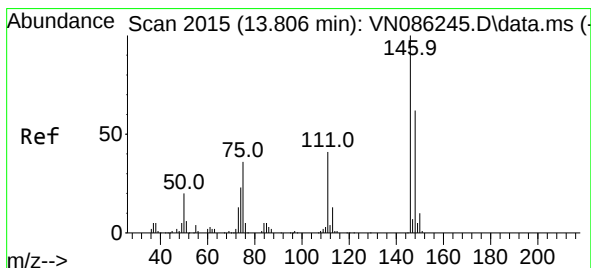
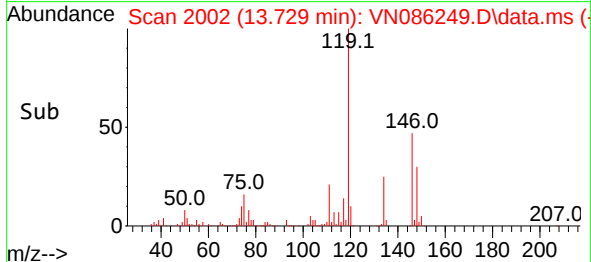
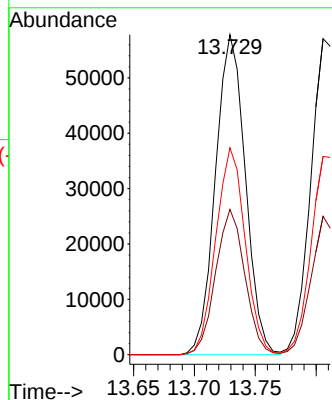
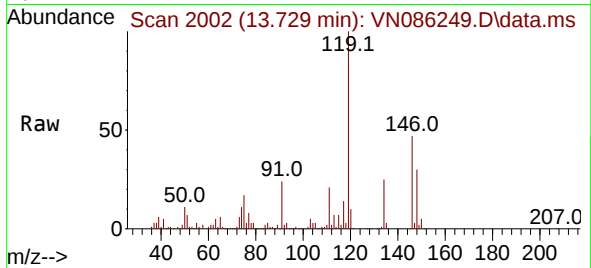
#83  
1,3-Dichlorobenzene  
Concen: 20.374 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01

Tgt Ion:146 Resp: 98830  
Ion Ratio Lower Upper  
146 100  
111 44.4 21.7 65.1  
148 63.5 32.3 96.8

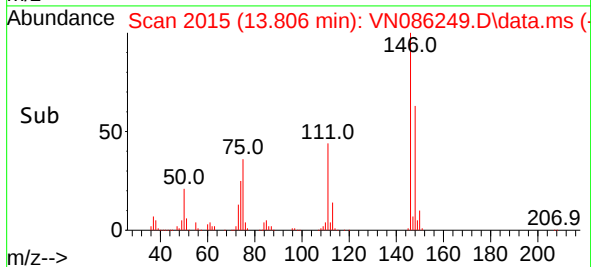
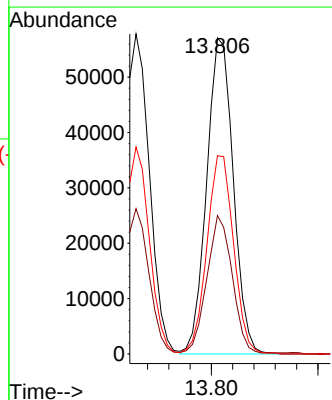
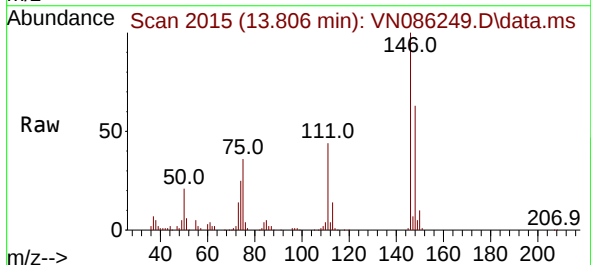
Manual Integrations  
APPROVED

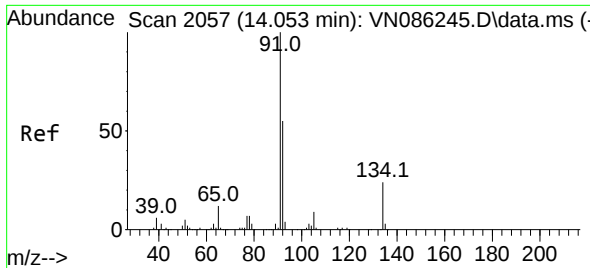
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#84  
1,4-Dichlorobenzene  
Concen: 20.383 ug/l  
RT: 13.806 min Scan# 2015  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Tgt Ion:146 Resp: 99189  
Ion Ratio Lower Upper  
146 100  
111 41.9 20.8 62.4  
148 62.9 31.9 95.5





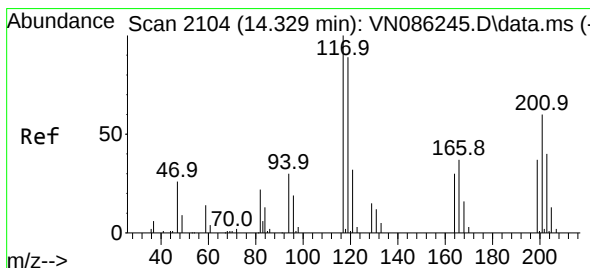
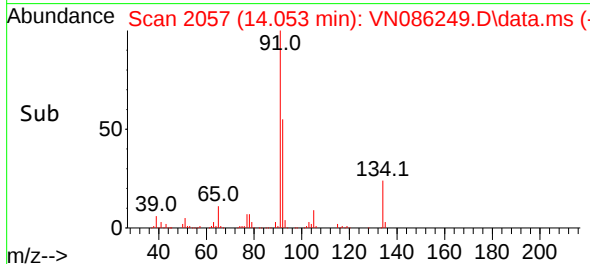
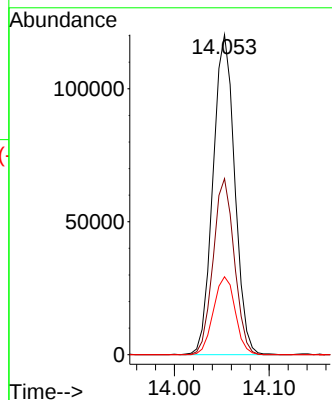
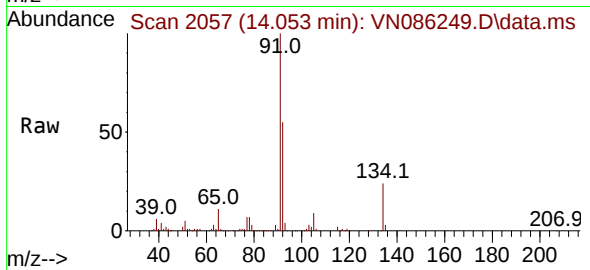
#85  
n-Butylbenzene  
Concen: 21.761 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01

Tgt Ion: 91 Resp: 191298  
Ion Ratio Lower Upper  
91 100  
92 53.6 0.0 109.4  
134 24.5 0.0 48.2

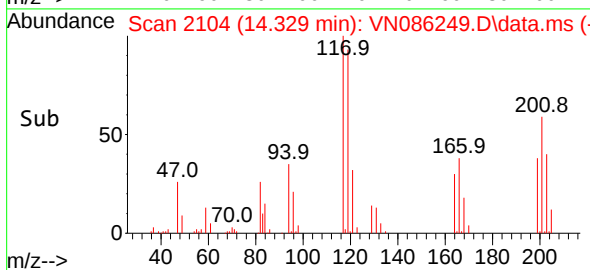
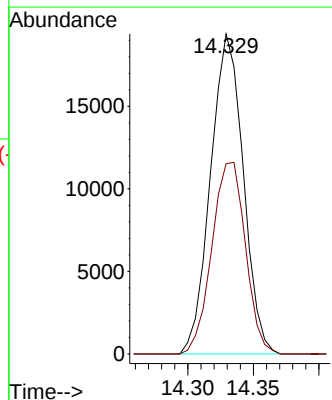
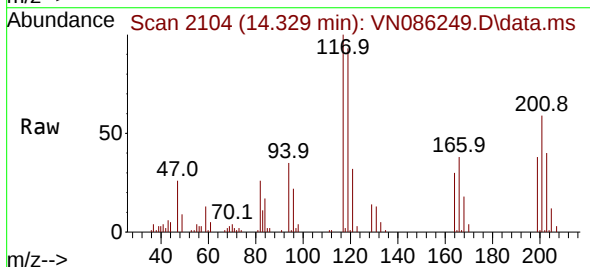
Manual Integrations  
APPROVED

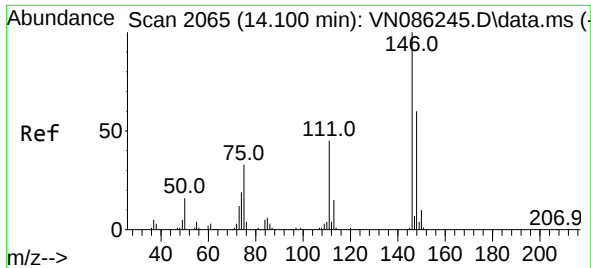
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#86  
Hexachloroethane  
Concen: 20.435 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Tgt Ion:117 Resp: 33590  
Ion Ratio Lower Upper  
117 100  
201 61.5 30.9 92.8





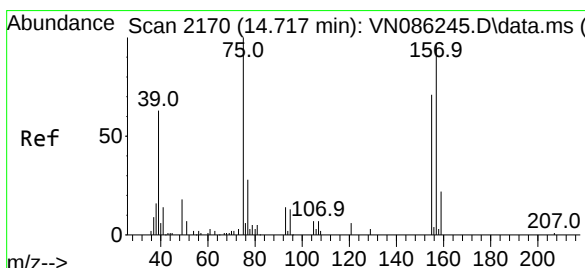
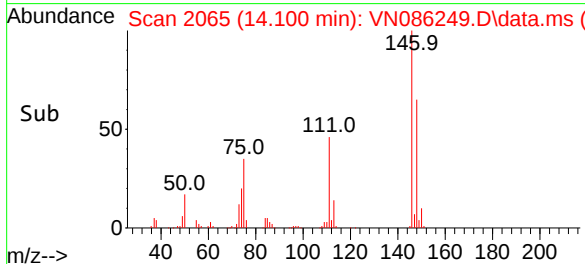
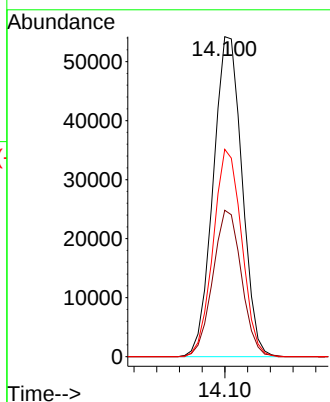
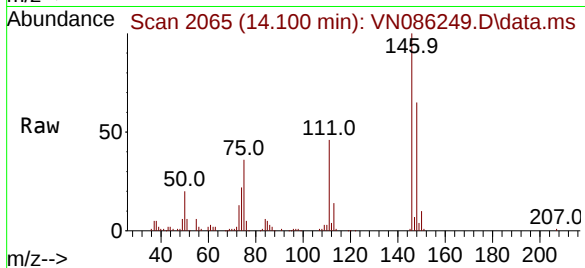
#87  
1,2-Dichlorobenzene  
Concen: 19.953 ug/l  
RT: 14.100 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01

Tgt Ion:146 Resp: 9556  
Ion Ratio Lower Upper  
146 100  
111 45.5 22.7 68.0  
148 64.0 31.8 95.3

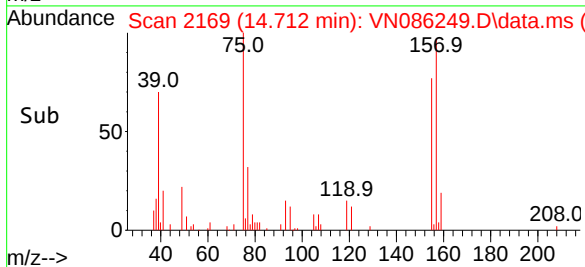
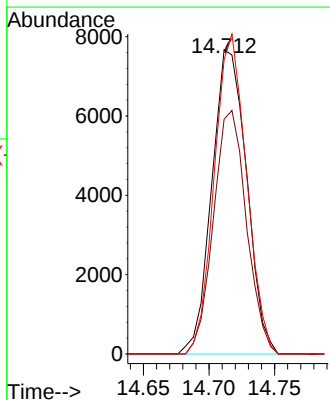
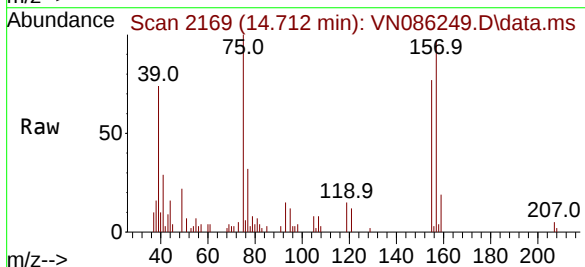
Manual Integrations  
APPROVED

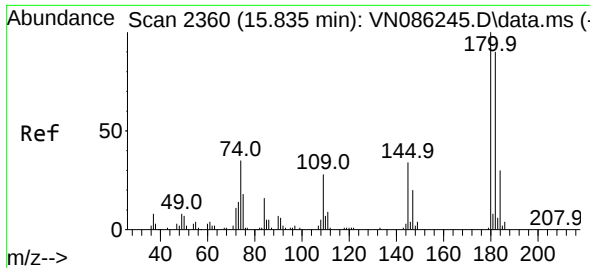
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 18.539 ug/l  
RT: 14.712 min Scan# 2169  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

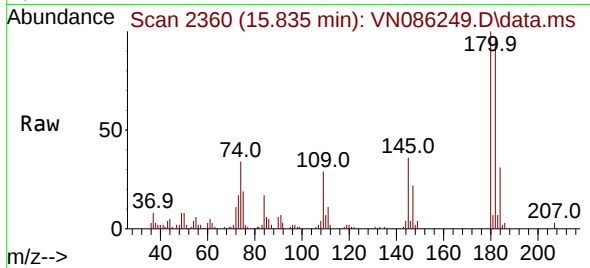
Tgt Ion: 75 Resp: 14160  
Ion Ratio Lower Upper  
75 100  
155 75.9 60.3 90.5  
157 97.1 79.0 118.4





#89  
1,2,4-Trichlorobenzene  
Concen: 19.736 ug/l  
RT: 15.835 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

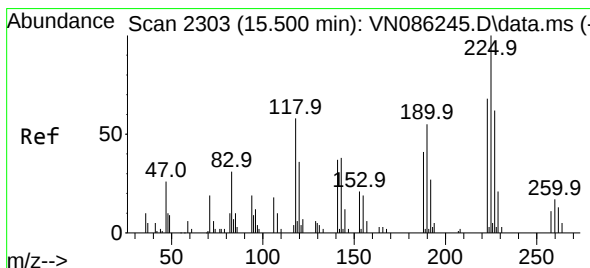
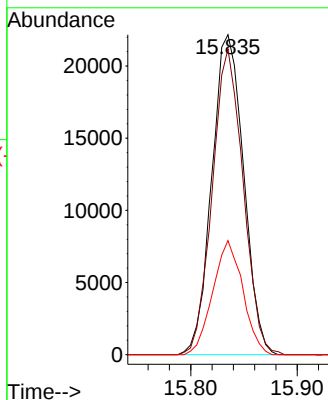
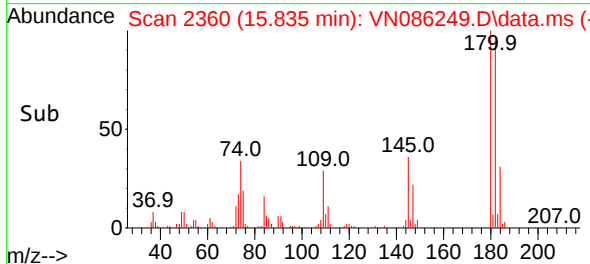
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



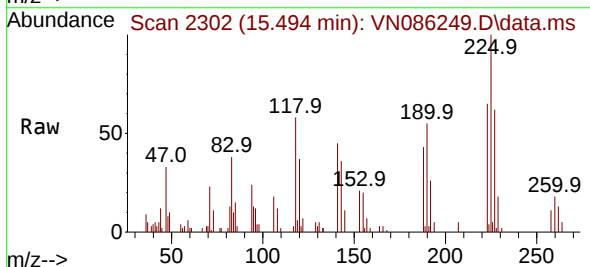
Tgt Ion:180 Resp: 4599  
Ion Ratio Lower Upper  
180 100  
182 92.4 75.1 112.7  
145 33.7 27.1 40.7

Manual Integrations  
APPROVED

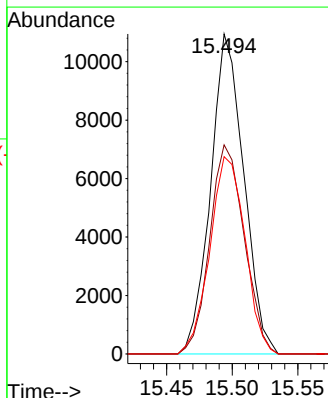
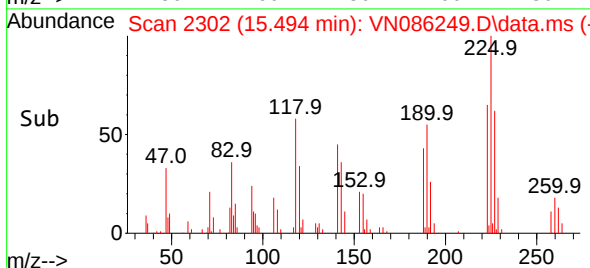
Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025

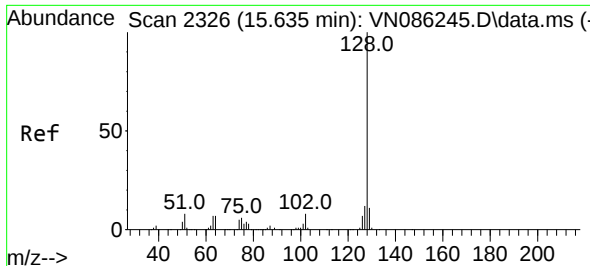


#90  
Hexachlorobutadiene  
Concen: 19.154 ug/l  
RT: 15.494 min Scan# 2302  
Delta R.T. -0.006 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38



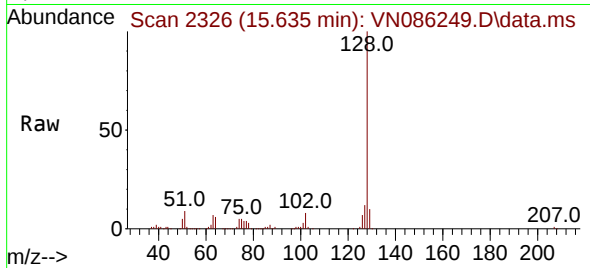
Tgt Ion:225 Resp: 19273  
Ion Ratio Lower Upper  
225 100  
223 67.9 0.0 130.0  
227 65.2 0.0 123.2





#91  
Naphthalene  
Concen: 18.449 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38

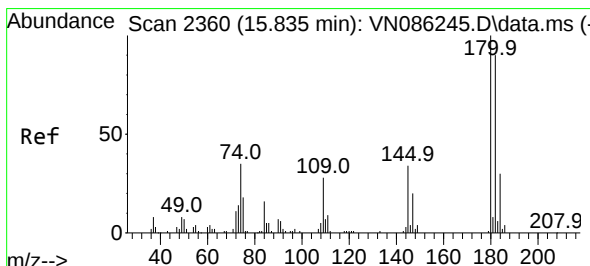
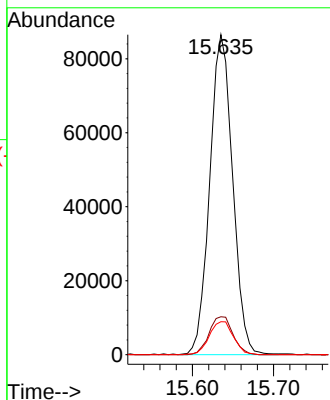
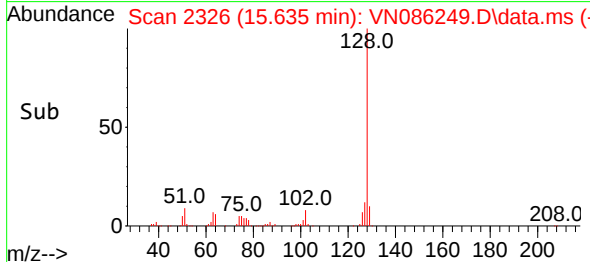
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0411WBS01



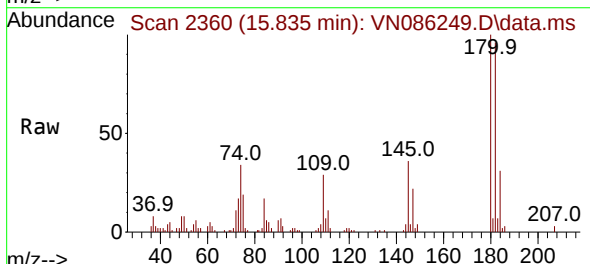
Tgt Ion:128 Resp: 16951  
Ion Ratio Lower Upper  
128 100  
127 12.4 10.2 15.2  
129 10.9 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/14/2025  
Supervised By :Mahesh Dadoda 04/14/2025



#92  
1,2,3-Trichlorobenzene  
Concen: 19.736 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. -0.000 min  
Lab File: VN086249.D  
Acq: 11 Apr 2025 14:38



Tgt Ion:180 Resp: 45993  
Ion Ratio Lower Upper  
180 100  
182 92.4 0.0 187.8  
145 33.7 0.0 67.8

