

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_T\Data\VT102225\  
 Data File : VT019157.D  
 Acq On : 22 Oct 2025 14:34  
 Operator : SY/MD  
 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_T/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_T  
 ClientSampleId :  
 VSTDICCC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/24/2025  
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 05:12:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_T\methods\624T102225W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Oct 24 05:09:19 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon     | Response | Conc       | Units | Dev(Min) |
|------------------------------|--------|----------|----------|------------|-------|----------|
| -----                        |        |          |          |            |       |          |
| Internal Standards           |        |          |          |            |       |          |
| 1) Bromochloromethane        | 7.078  | 128      | 20636    | 30.000     | ug/l  | # 0.00   |
| 28) 1,4-Difluorobenzene      | 8.582  | 114      | 129603   | 30.000     | ug/l  | 0.00     |
| 57) Chlorobenzene-d5         | 11.755 | 117      | 111416   | 30.000     | ug/l  | 0.00     |
|                              |        |          |          |            |       |          |
| System Monitoring Compounds  |        |          |          |            |       |          |
| 27) 1,2-Dichloroethane-d4    | 7.971  | 65       | 54340    | 30.056     | ug/l  | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 110 | Recovery | = 100.200% |       |          |
| 60) 4-Bromofluorobenzene     | 12.889 | 95       | 51105    | 29.185     | ug/l  | 0.00     |
| Spiked Amount 30.000         | Range  | 63 - 112 | Recovery | = 97.267%  |       |          |
| 63) Toluene-d8               | 10.256 | 98       | 162836   | 30.027     | ug/l  | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 112 | Recovery | = 100.100% |       |          |
|                              |        |          |          |            |       |          |
| Target Compounds             |        |          |          |            |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.884  | 85       | 10888    | 15.398     | ug/l  | 92       |
| 3) Chloromethane             | 2.119  | 50       | 25085m   | 18.710     | ug/l  |          |
| 4) Vinyl Chloride            | 2.201  | 62       | 25412    | 16.738     | ug/l  | 100      |
| 5) Bromomethane              | 2.553  | 94       | 22830    | 17.171     | ug/l  | 86       |
| 6) Chloroethane              | 2.694  | 64       | 23644    | 17.988     | ug/l  | 98       |
| 7) Trichlorofluoromethane    | 2.994  | 101      | 41663    | 17.683     | ug/l  | 99       |
| 8) Diethyl Ether             | 3.358  | 74       | 26077    | 17.976     | ug/l  | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 3.693  | 101      | 19393    | 20.964     | ug/l  | 98       |
| 10) 1,1-Dichloroethene       | 3.670  | 96       | 19907    | 21.482     | ug/l  | 95       |
| 11) Methyl Iodide            | 3.875  | 142      | 17194    | 18.570     | ug/l  | # 7      |
| 12) Methyl Acetate           | 4.228  | 43       | 70635    | 19.276     | ug/l  | 100      |
| 13) Acrolein                 | 3.546  | 56       | 14355    | 116.151    | ug/l  | 97       |
| 14) Acrylonitrile            | 4.851  | 53       | 104924   | 92.895     | ug/l  | 98       |
| 15) Acetone                  | 3.746  | 58       | 37980    | 94.379     | ug/l  | 92       |
| 16) Carbon Disulfide         | 3.969  | 76       | 32240    | 18.628     | ug/l  | 96       |
| 17) Allyl chloride           | 4.222  | 41       | 38679    | 17.559     | ug/l  | 86       |
| 18) Methylene Chloride       | 4.440  | 84       | 25743    | 18.626     | ug/l  | 95       |
| 19) trans-1,2-Dichloroethene | 6.702  | 96       | 26788    | 18.789     | ug/l  | 93       |
| 20) Diisopropyl ether        | 5.809  | 45       | 102545   | 18.287     | ug/l  | # 70     |
| 21) 1,1-Dichloroethane       | 5.709  | 63       | 48213    | 18.400     | ug/l  | 99       |
| 22) cis-1,2-Dichloroethene   | 6.702  | 96       | 26788    | 18.789     | ug/l  | 95       |
| 23) tert-Butyl Alcohol       | 4.669  | 59       | 45985    | 92.928     | ug/l  | # 100    |
| 24) Methyl tert-Butyl Ether  | 4.910  | 73       | 103719   | 18.608     | ug/l  | 98       |
| 25) Chloroform               | 7.266  | 83       | 43599    | 18.190     | ug/l  | 90       |
| 26) Cyclohexane              | 7.571  | 56       | 28738    | 18.690     | ug/l  | # 98     |
| 29) 1,1-Dichloropropene      | 7.712  | 75       | 25209    | 18.588     | ug/l  | 95       |
| 30) 2-Butanone               | 6.707  | 43       | 151836   | 90.833     | ug/l  | 99       |
| 31) 2,2-Dichloropropane      | 6.696  | 77       | 36964    | 18.616     | ug/l  | # 89     |
| 32) 1,1,1-Trichloroethane    | 7.477  | 97       | 31516    | 18.446     | ug/l  | # 75     |
| 33) Carbon Tetrachloride     | 7.695  | 117      | 20656    | 18.869     | ug/l  | # 94     |
| 34) Benzene                  | 7.982  | 78       | 92975    | 18.505     | ug/l  | # 79     |
| 35) Methacrylonitrile        | 7.054  | 41       | 28423    | 19.977     | ug/l  | 91       |
| 36) 1,2-Dichloroethane       | 8.076  | 62       | 34780    | 18.673     | ug/l  | 100      |
| 37) Trichloroethene          | 8.852  | 130      | 16981    | 18.371     | ug/l  | 94       |
| 38) Methylcyclohexane        | 9.122  | 83       | 25555    | 18.712     | ug/l  | 99       |
| 39) 1,2-Dichloropropane      | 9.163  | 63       | 24449    | 18.580     | ug/l  | # 90     |
| 40) Dibromomethane           | 9.269  | 93       | 14463    | 17.825     | ug/l  | # 69     |
| 41) Bromodichloromethane     | 10.791 | 83       | 19597    | 18.803     | ug/l  | # 86     |
| 42) Vinyl Acetate            | 5.750  | 43       | 377587   | 92.067     | ug/l  | 98       |

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 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_T/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_T  
 ClientSampleId :  
 VSTDICCC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/24/2025  
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 05:12:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_T\methods\624T102225W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Oct 24 05:09:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 6.807  | 43   | 50789    | 18.483  | ug/l   | 95       |
| 44) Isopropyl Acetate         | 8.118  | 43   | 79973    | 18.492  | ug/l   | 98       |
| 45) 1,4-Dioxane               | 9.257  | 88   | 15113    | 402.815 | ug/l # | 77       |
| 46) Methyl methacrylate       | 9.257  | 41   | 35497    | 18.357  | ug/l   | 75       |
| 47) n-amyl Acetate            | 12.501 | 43   | 54276    | 18.650  | ug/l   | 99       |
| 48) t-1,3-Dichloropropene     | 10.585 | 75   | 35502    | 18.774  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene   | 9.968  | 75   | 36589    | 18.419  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 10.791 | 97   | 22183    | 18.588  | ug/l # | 77       |
| 51) Ethyl methacrylate        | 10.638 | 69   | 42472    | 18.991  | ug/l   | 95       |
| 52) 1,3-Dichloropropane       | 10.956 | 76   | 39611    | 18.584  | ug/l   | 100      |
| 53) Dibromochloromethane      | 11.179 | 129  | 20787    | 18.663  | ug/l # | 1        |
| 54) 1,2-Dibromoethane         | 11.296 | 107  | 20598    | 18.557  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether | 9.810  | 63   | 53262    | 81.655  | ug/l   | 97       |
| 56) Bromoform                 | 12.583 | 173  | 13859    | 18.938  | ug/l # | 19       |
| 58) 4-Methyl-2-Pentanone      | 10.133 | 43   | 243805   | 89.354  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.133 | 43   | 243805   | 89.354  | ug/l # | 82       |
| 61) Tetrachloroethene         | 10.867 | 164  | 12984    | 18.437  | ug/l   | 94       |
| 62) Toluene                   | 10.327 | 91   | 91269    | 18.289  | ug/l   | 99       |
| 64) Chlorobenzene             | 11.784 | 112  | 55402    | 18.175  | ug/l   | 95       |
| 65) 1,1,1,2-Tetrachloroethane | 11.872 | 131  | 18398    | 18.529  | ug/l   | 91       |
| 66) Ethyl Benzene             | 11.872 | 91   | 98778    | 18.213  | ug/l   | 98       |
| 67) m/p-Xylenes               | 11.996 | 106  | 73016    | 36.216  | ug/l   | 99       |
| 68) o-Xylene                  | 12.372 | 106  | 36750    | 17.659  | ug/l   | 98       |
| 69) Styrene                   | 12.389 | 104  | 67599    | 18.093  | ug/l   | 95       |
| 70) Isopropylbenzene          | 12.712 | 105  | 93410    | 18.300  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 13.000 | 83   | 36908    | 18.428  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 13.059 | 75   | 28142m   | 17.828  | ug/l   |          |
| 73) Bromobenzene              | 13.035 | 156  | 21606    | 18.000  | ug/l   | 56       |
| 74) n-propylbenzene           | 13.100 | 91   | 112568   | 18.289  | ug/l   | 97       |
| 75) 2-Chlorotoluene           | 13.312 | 91   | 68644    | 18.217  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene    | 13.259 | 105  | 75855    | 18.114  | ug/l   | 94       |
| 77) t-1,4-Dichloro-2-butene   | 12.771 | 75   | 13402    | 18.658  | ug/l   | 88       |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 68030    | 18.303  | ug/l   | 93       |
| 79) tert-butylbenzene         | 13.558 | 119  | 70986    | 19.086  | ug/l   | 100      |
| 80) 1,2,4-Trimethylbenzene    | 13.611 | 105  | 81071    | 18.555  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 13.764 | 105  | 98904    | 18.455  | ug/l   | 98       |
| 82) p-Isopropyltoluene        | 13.893 | 119  | 81893    | 18.368  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.893 | 146  | 43129    | 18.321  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.987 | 146  | 43478    | 18.344  | ug/l   | 98       |
| 85) n-Butylbenzene            | 14.263 | 91   | 75764    | 18.568  | ug/l   | 97       |
| 86) Hexachloroethane          | 14.575 | 117  | 11213    | 18.767  | ug/l # | 1        |
| 87) 1,2-Dichlorobenzene       | 14.316 | 146  | 43407    | 18.458  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 15.021 | 75   | 8088     | 18.381  | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene    | 15.809 | 180  | 26195    | 18.297  | ug/l   | 96       |
| 90) Hexachlorobutadiene       | 15.938 | 225  | 9156     | 19.289  | ug/l   | 82       |
| 91) Naphthalene               | 16.103 | 128  | 100763   | 18.209  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 16.338 | 180  | 26991    | 18.678  | ug/l   | 97       |

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

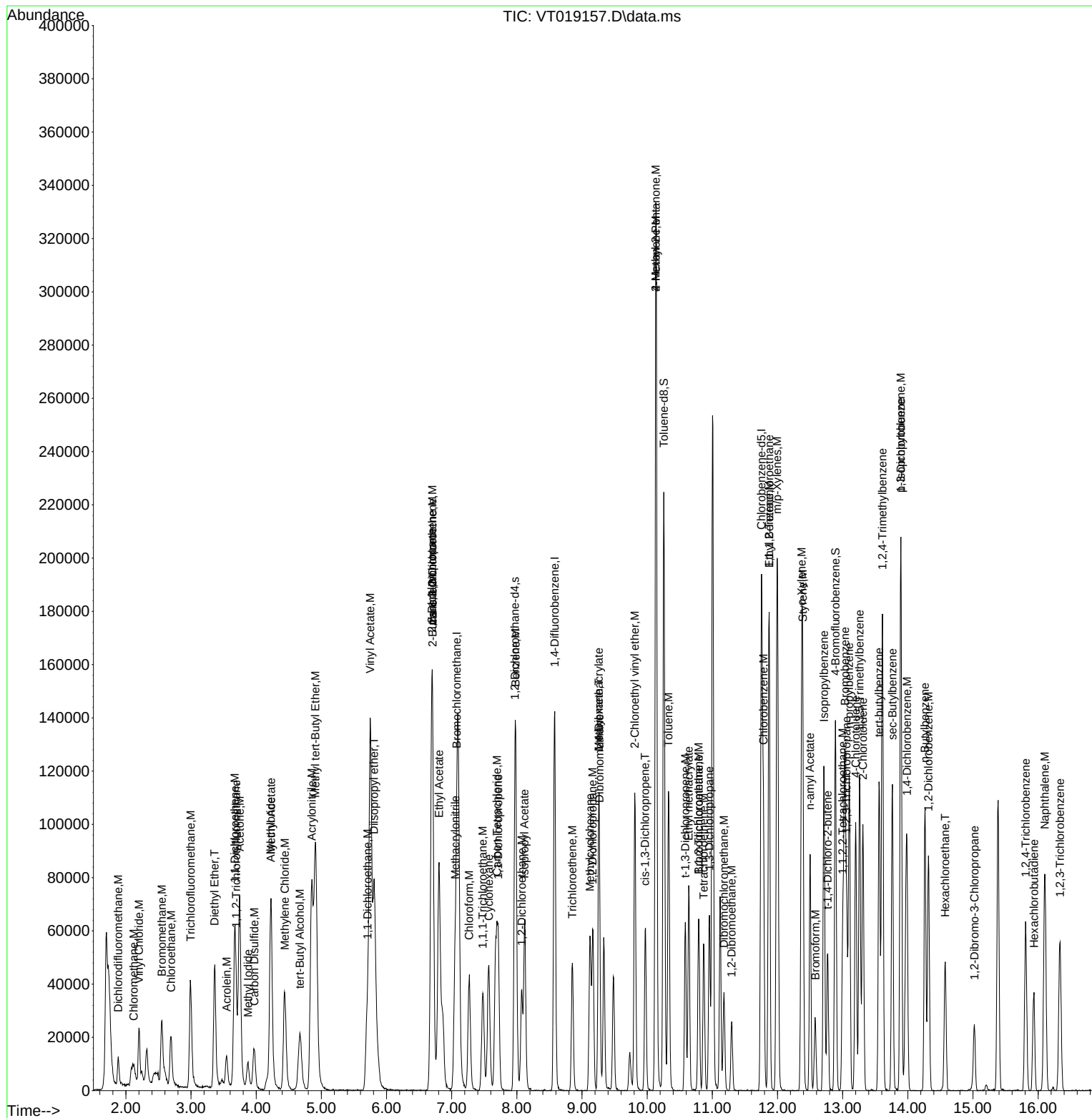
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_T\Data\VT102225\  
Data File : VT019157.D  
Acq On : 22 Oct 2025 14:34  
Operator : SY/MD  
Sample : VSTDICCC020  
Misc : 5.0mL/MSVOA\_T/WATER  
ALS Vial : 6 Sample Multiplier: 1

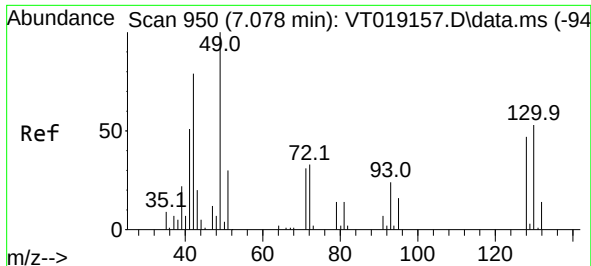
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025

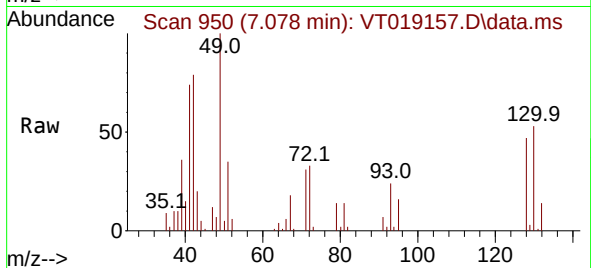
Quant Time: Oct 24 05:12:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_T\methods\624T102225W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Oct 24 05:09:19 2025  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.078 min Scan# 950  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

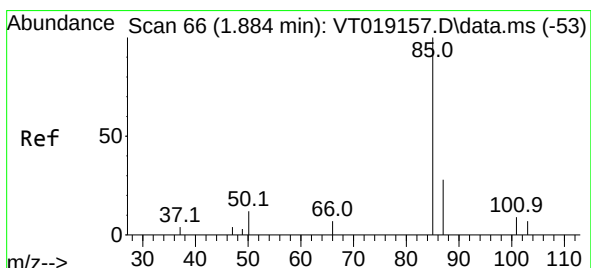
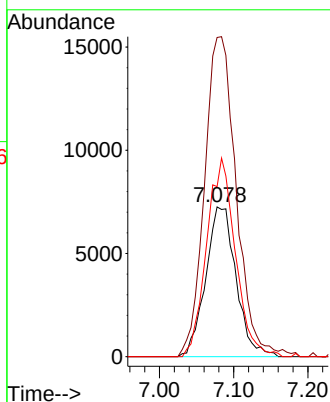
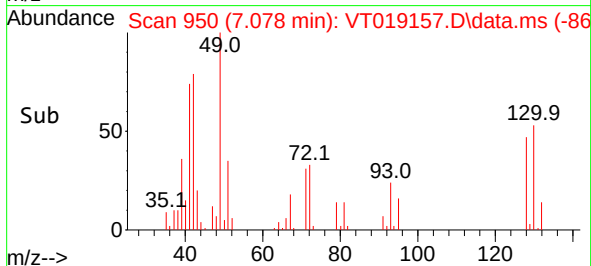
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



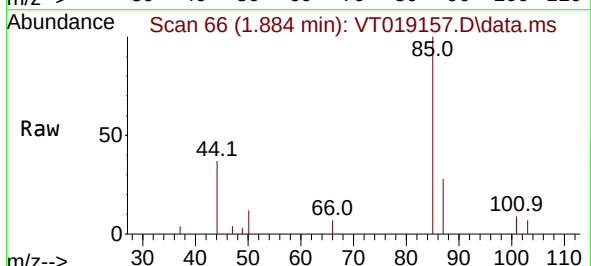
Tgt Ion:128 Resp: 20630  
Ion Ratio Lower Upper  
128 100  
49 221.7 0.0 0.0  
130 125.2 0.0 0.0

Manual Integrations  
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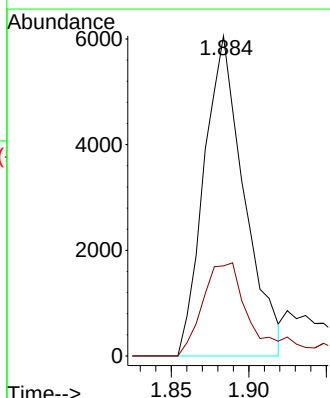
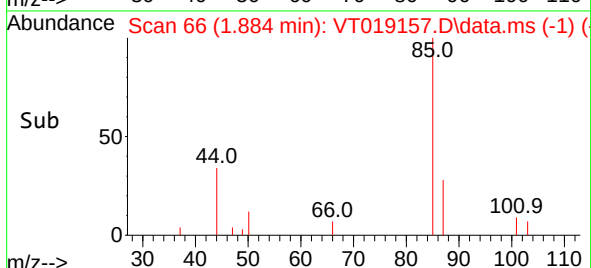
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025

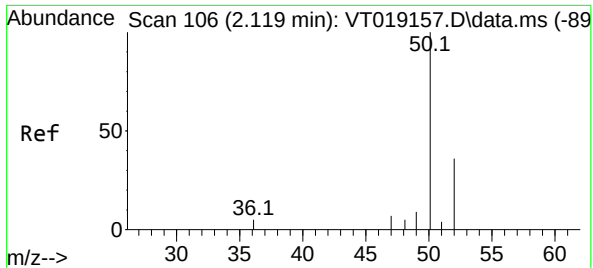


#2  
Dichlorodifluoromethane  
Concen: 15.398 ug/l  
RT: 1.884 min Scan# 66  
Delta R.T. 0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34



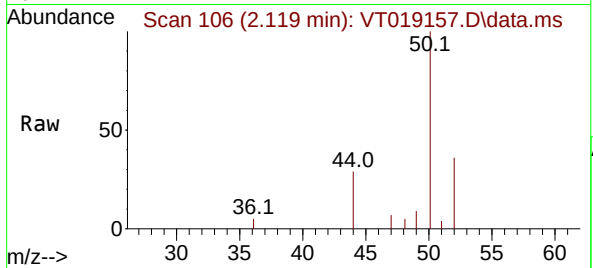
Tgt Ion: 85 Resp: 10888  
Ion Ratio Lower Upper  
85 100  
87 28.2 16.4 49.1





#3  
Chloromethane  
Concen: 18.710 ug/l m  
RT: 2.119 min Scan# 106  
Delta R.T. 0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

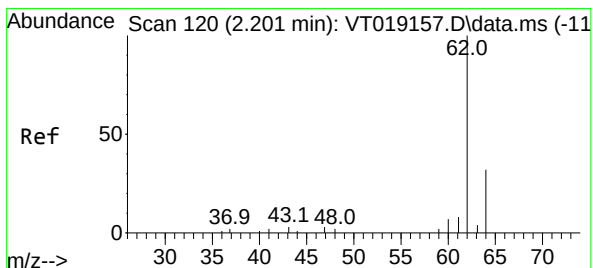
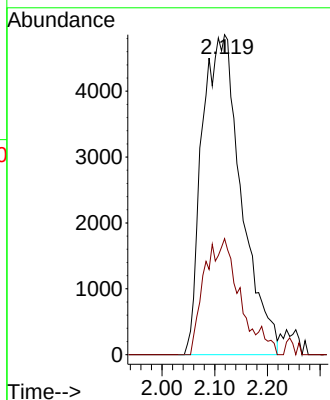
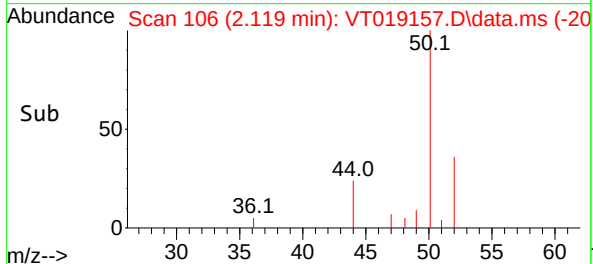
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 50 Resp: 2508  
Ion Ratio Lower Upper  
50 100  
52 36.2 24.4 36.6

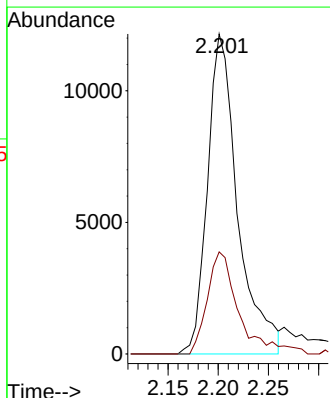
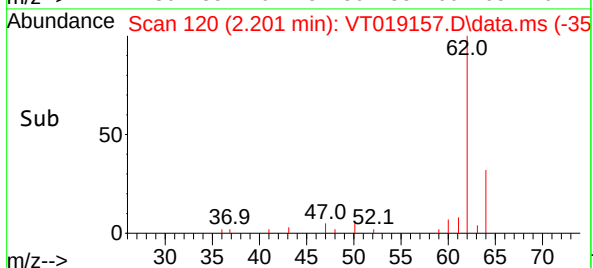
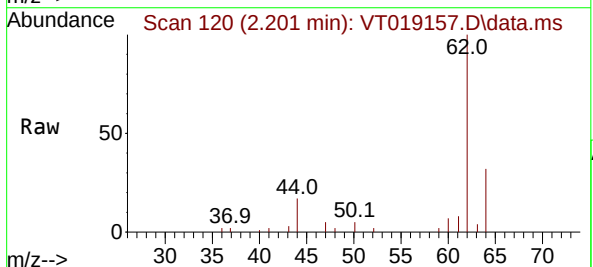
Manual Integrations  
APPROVED

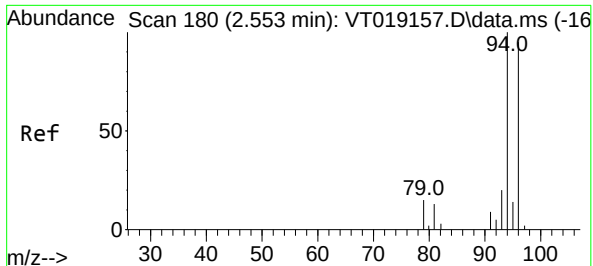
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#4  
Vinyl Chloride  
Concen: 16.738 ug/l  
RT: 2.201 min Scan# 120  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

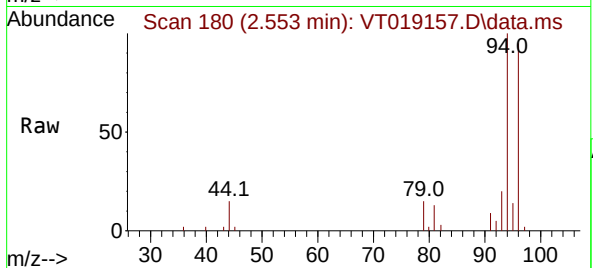
Tgt Ion: 62 Resp: 25412  
Ion Ratio Lower Upper  
62 100  
64 31.9 25.7 38.5





#5  
Bromomethane  
Concen: 17.171 ug/l  
RT: 2.553 min Scan# 180  
Delta R.T. 0.023 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

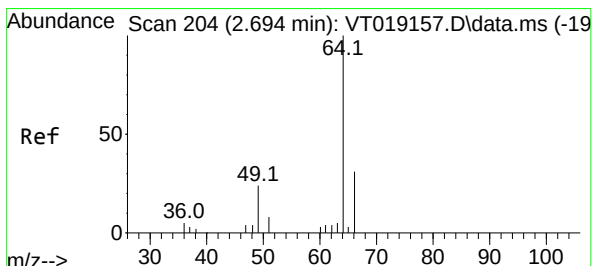
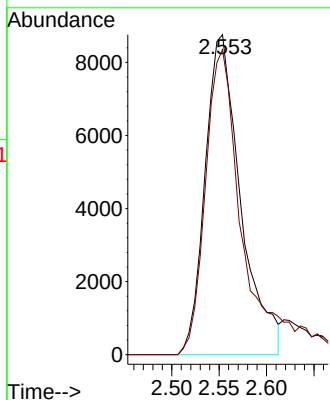
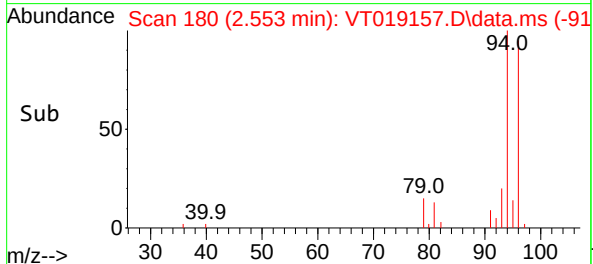
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 94 Resp: 22830  
Ion Ratio Lower Upper  
94 100  
96 95.3 66.0 99.0

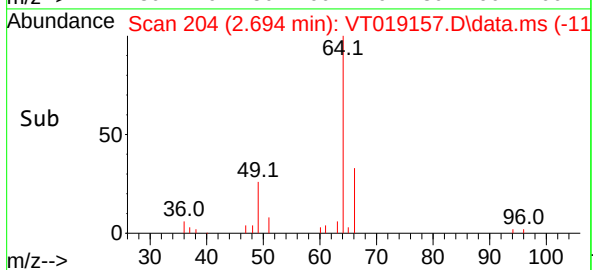
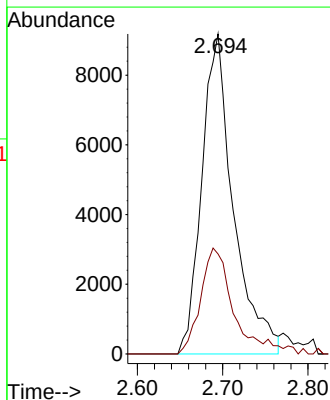
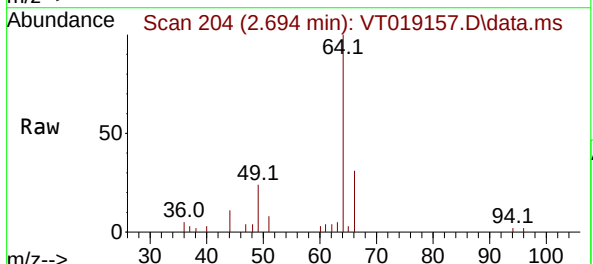
Manual Integrations  
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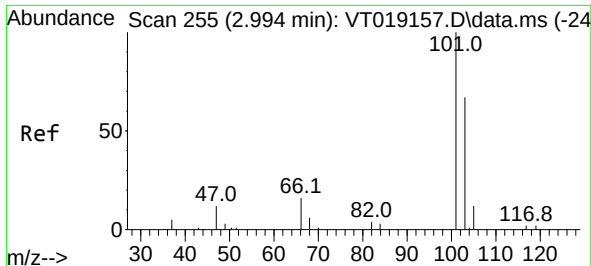
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#6  
Chloroethane  
Concen: 17.988 ug/l  
RT: 2.694 min Scan# 204  
Delta R.T. 0.017 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

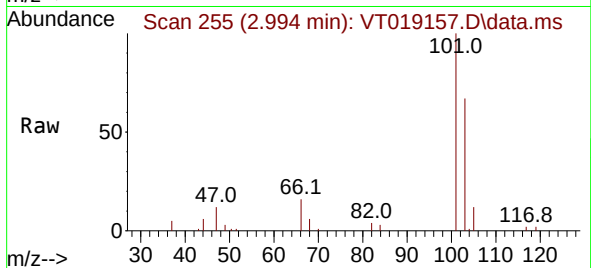
Tgt Ion: 64 Resp: 23644  
Ion Ratio Lower Upper  
64 100  
66 31.2 24.3 36.5





#7  
Trichlorofluoromethane  
Concen: 17.683 ug/l  
RT: 2.994 min Scan# 255  
Delta R.T. 0.012 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

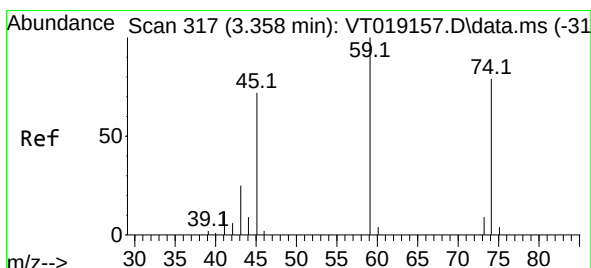
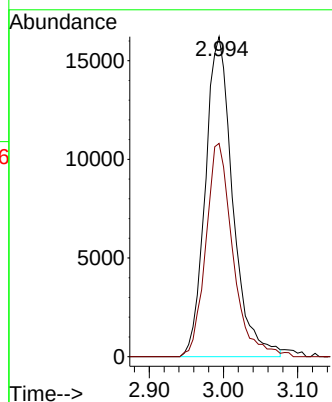
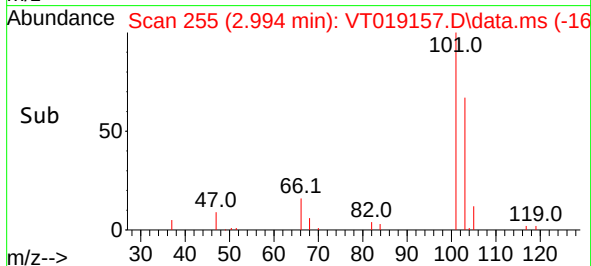
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



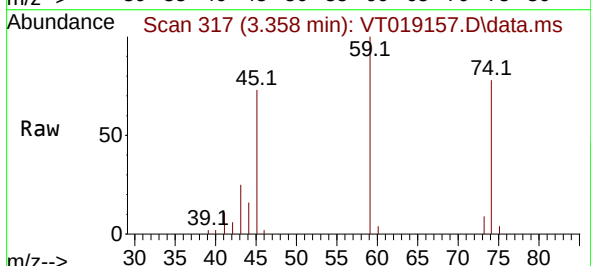
Tgt Ion:101 Resp: 4166  
Ion Ratio Lower Upper  
101 100  
103 66.7 52.4 78.6

Manual Integrations  
APPROVED

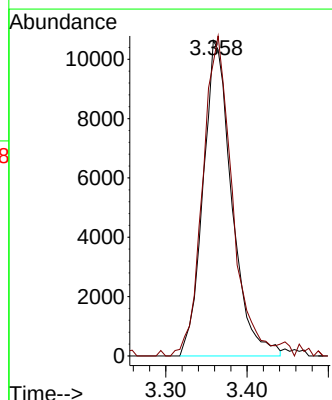
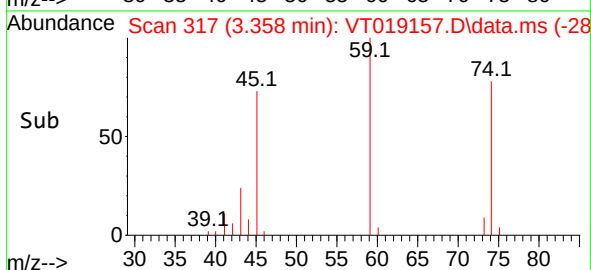
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025

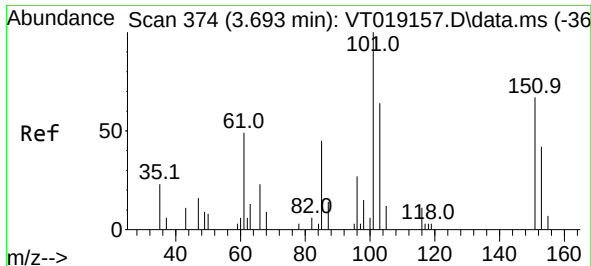


#8  
Diethyl Ether  
Concen: 17.976 ug/l  
RT: 3.358 min Scan# 317  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34



Tgt Ion: 74 Resp: 26077  
Ion Ratio Lower Upper  
74 100  
45 104.5 22.0 197.6





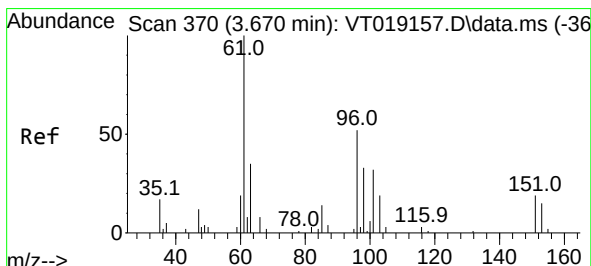
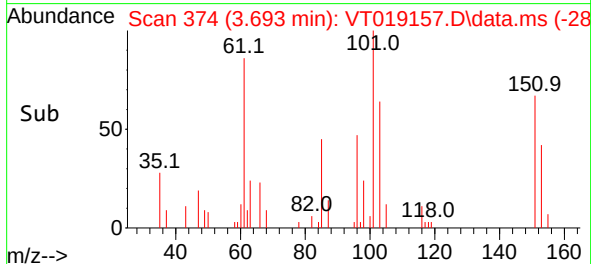
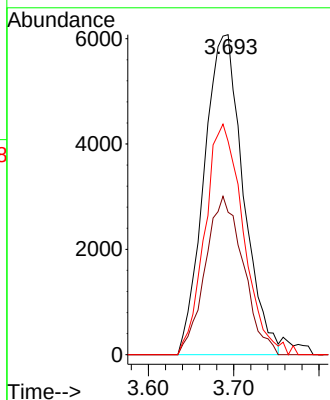
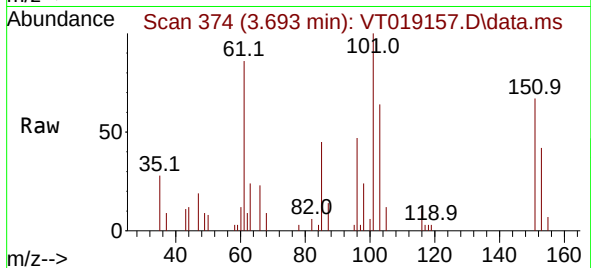
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 20.964 ug/l  
 RT: 3.693 min Scan# 31  
 Delta R.T. 0.011 min  
 Lab File: VT019157.D  
 Acq: 22 Oct 2025 14:34

Instrument :  
 MSVOA\_T  
 ClientSampleId :  
 VSTDICCC020

Tgt Ion:101 Resp: 1939  
 Ion Ratio Lower Upper  
 101 100  
 85 48.0 0.0 91.8  
 151 70.0 0.0 137.2

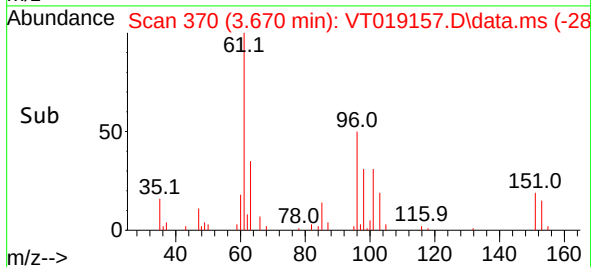
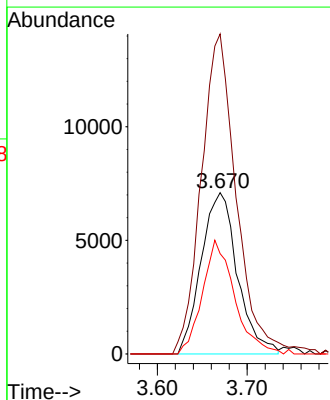
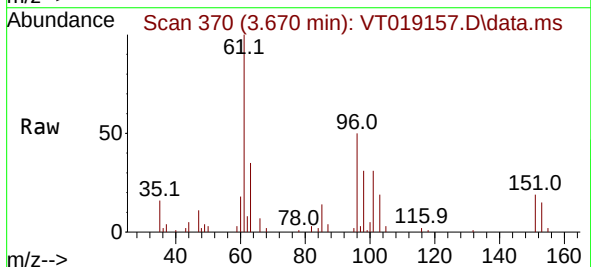
Manual Integrations  
 APPROVED

Reviewed By :John Carlone 10/24/2025  
 Supervised By :Mahesh Dadoda 10/27/2025

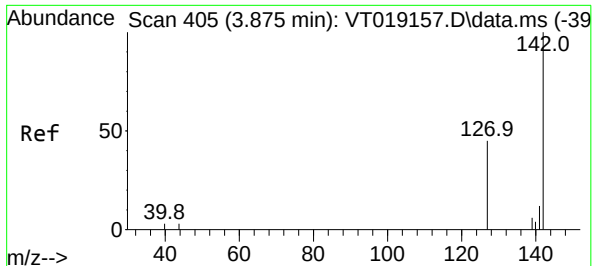


#10  
 1,1-Dichloroethene  
 Concen: 21.482 ug/l  
 RT: 3.670 min Scan# 370  
 Delta R.T. -0.000 min  
 Lab File: VT019157.D  
 Acq: 22 Oct 2025 14:34

Tgt Ion: 96 Resp: 19907  
 Ion Ratio Lower Upper  
 96 100  
 61 191.3 145.5 218.3  
 98 62.2 49.5 74.3

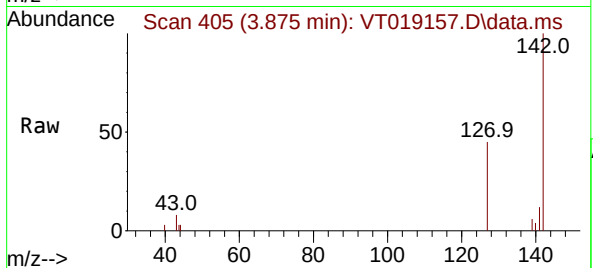






#11  
Methyl Iodide  
Concen: 18.570 ug/l  
RT: 3.875 min Scan# 405  
Delta R.T. 0.005 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

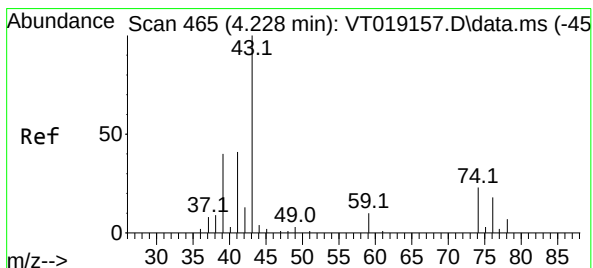
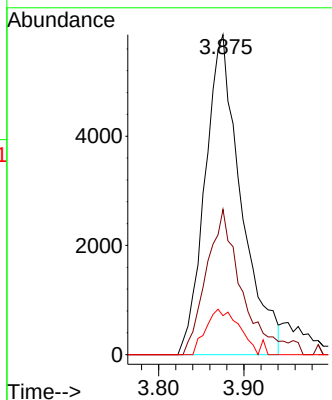
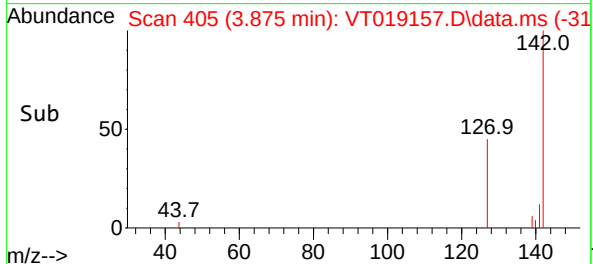
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion:142 Resp: 17194  
Ion Ratio Lower Upper  
142 100  
127 45.4 0.9 2.8  
141 12.8 55.5 166.5

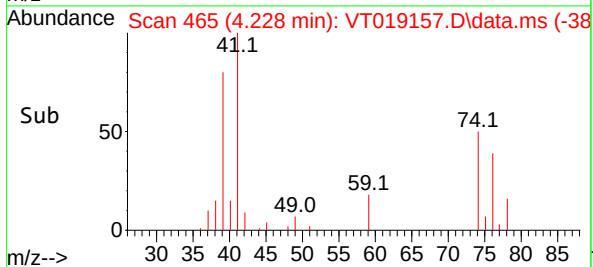
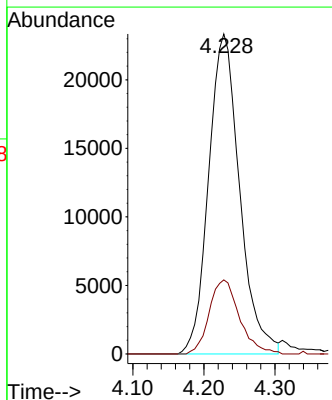
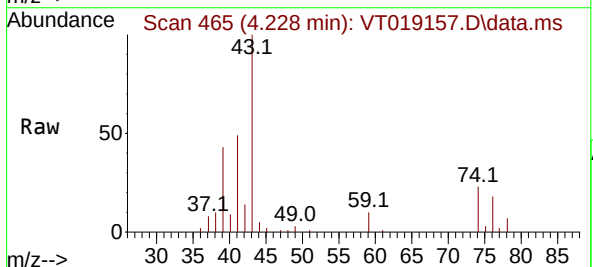
Manual Integrations  
APPROVED

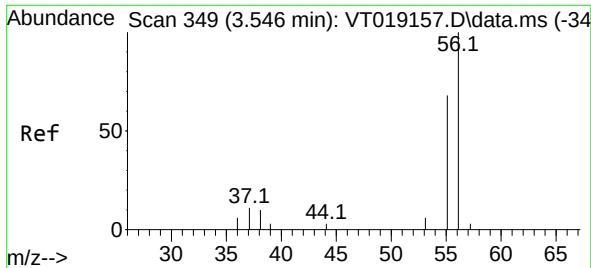
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#12  
Methyl Acetate  
Concen: 19.276 ug/l  
RT: 4.228 min Scan# 465  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

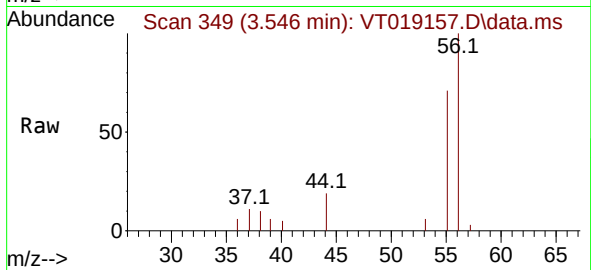
Tgt Ion: 43 Resp: 70635  
Ion Ratio Lower Upper  
43 100  
74 23.2 18.4 27.6





#13  
Acrolein  
Concen: 116.151 ug/l  
RT: 3.546 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

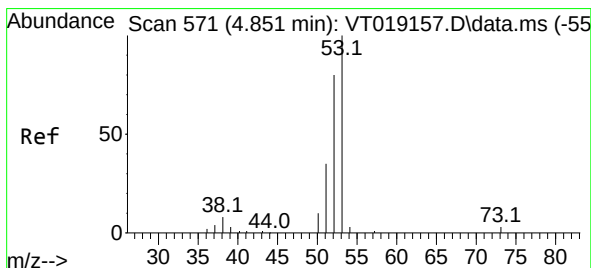
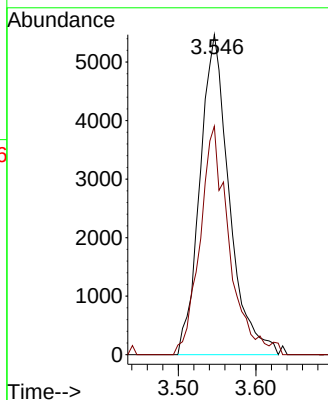
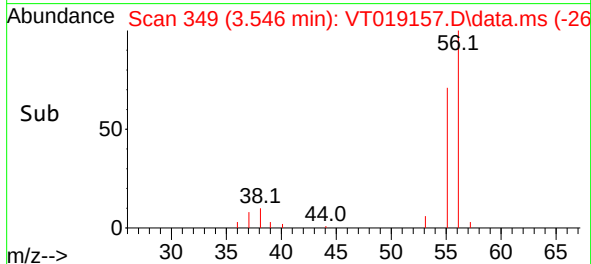
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



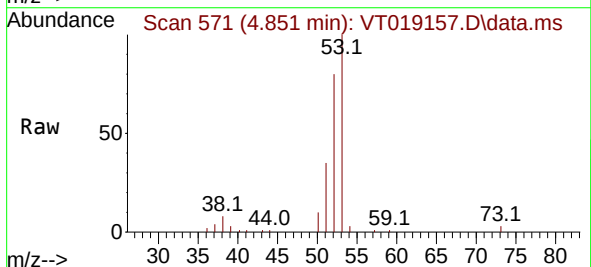
Tgt Ion: 56 Resp: 1435  
Ion Ratio Lower Upper  
56 100  
55 68.5 56.8 85.2

Manual Integrations  
APPROVED

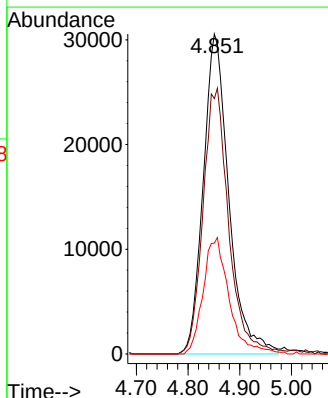
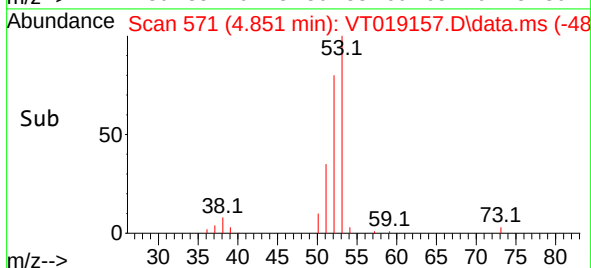
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025

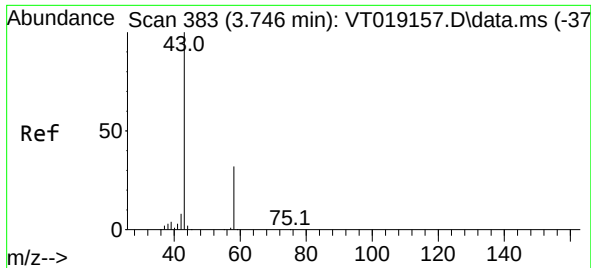


#14  
Acrylonitrile  
Concen: 92.895 ug/l  
RT: 4.851 min Scan# 571  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34



Tgt Ion: 53 Resp: 104924  
Ion Ratio Lower Upper  
53 100  
52 83.4 41.3 123.7  
51 36.8 17.2 51.5





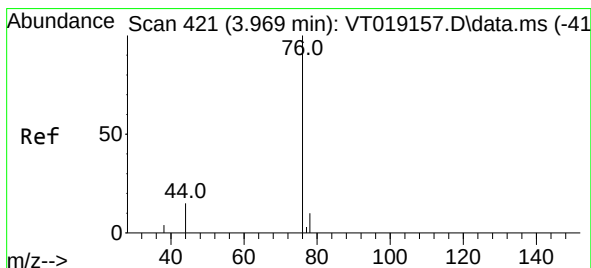
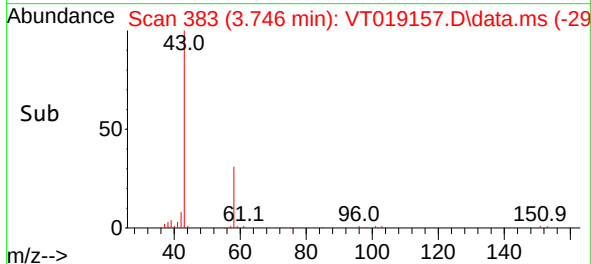
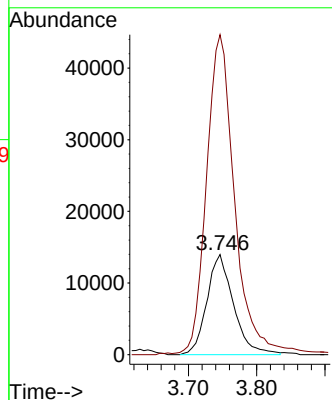
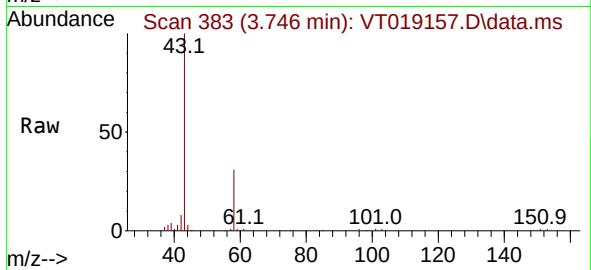
#15  
Acetone  
Concen: 94.379 ug/l  
RT: 3.746 min Scan# 383  
Delta R.T. 0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 58 Resp: 37980  
Ion Ratio Lower Upper  
58 100  
43 317.2 266.9 400.3

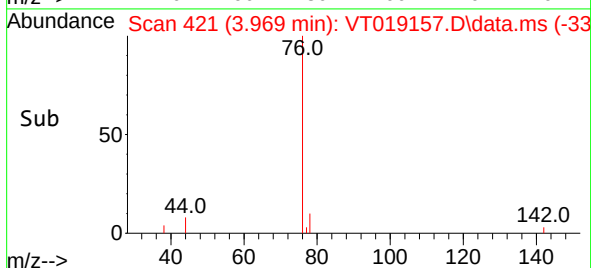
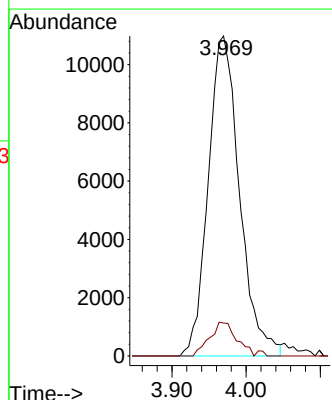
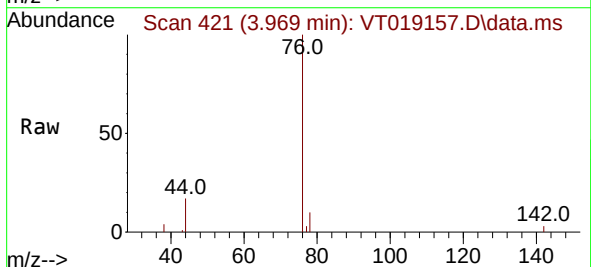
Manual Integrations  
APPROVED

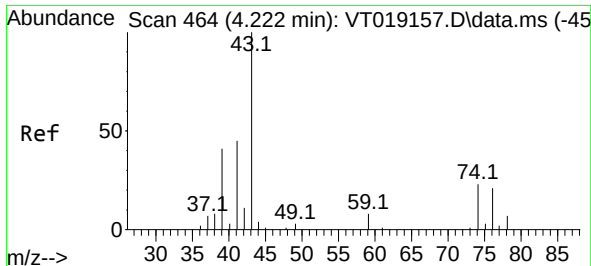
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#16  
Carbon Disulfide  
Concen: 18.628 ug/l  
RT: 3.969 min Scan# 421  
Delta R.T. 0.005 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion: 76 Resp: 32240  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.1 10.7





#17

Allyl chloride

Concen: 17.559 ug/l

RT: 4.222 min Scan# 464

Delta R.T. 0.000 min

Lab File: VT019157.D

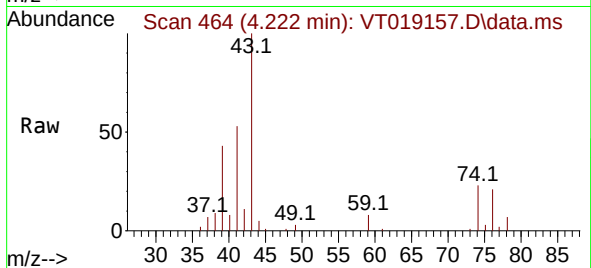
Acq: 22 Oct 2025 14:34

Instrument :

MSVOA\_T

ClientSampleId :

VSTDICCC020



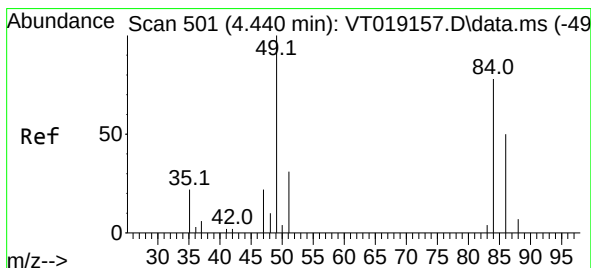
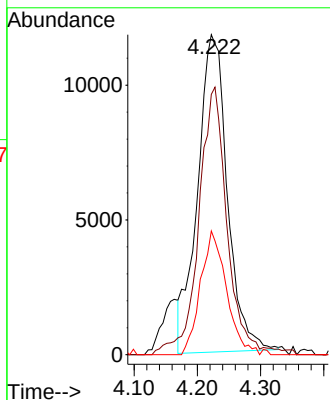
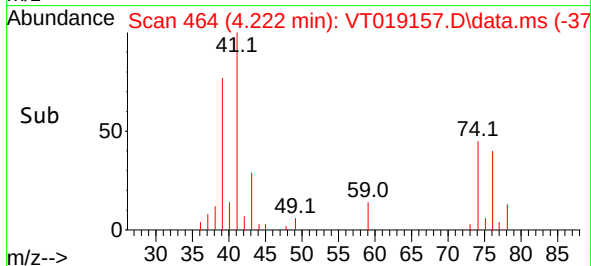
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 38679 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 81.4  | 34.3  | 102.8 |
| 76       | 39.6  | 16.7  | 50.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#18

Methylene Chloride

Concen: 18.626 ug/l

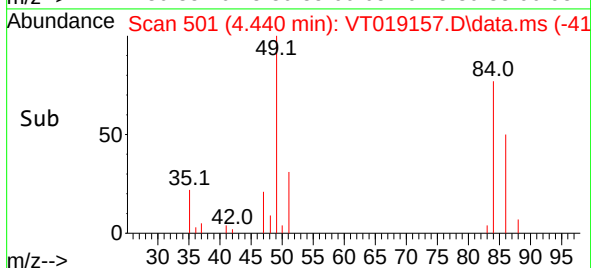
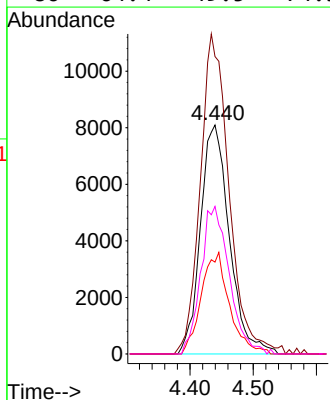
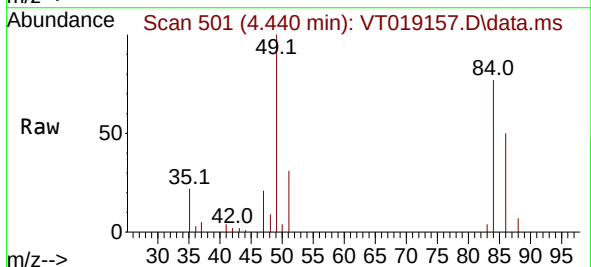
RT: 4.440 min Scan# 501

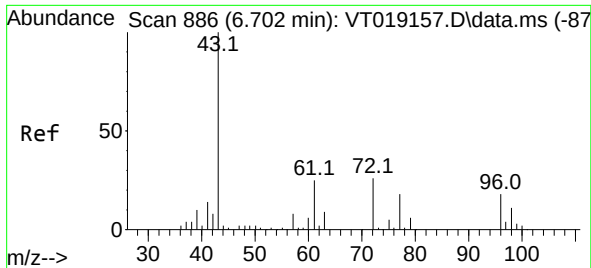
Delta R.T. 0.012 min

Lab File: VT019157.D

Acq: 22 Oct 2025 14:34

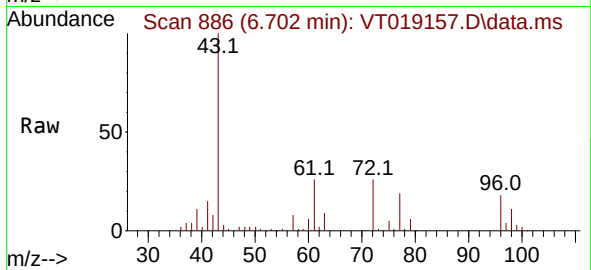
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 25743 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 127.7 | 107.9 | 161.9 |
| 51       | 40.1  | 33.4  | 50.2  |
| 86       | 64.4  | 49.5  | 74.3  |





#19  
trans-1,2-Dichloroethene  
Concen: 18.789 ug/l  
RT: 6.702 min Scan# 886  
Delta R.T. 0.012 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

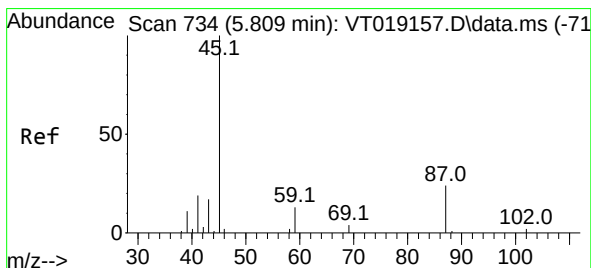
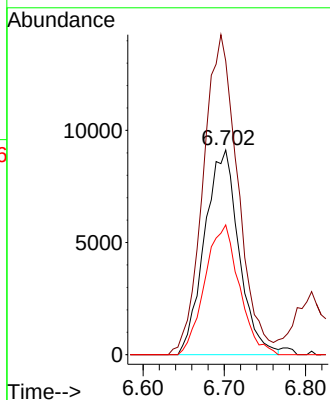
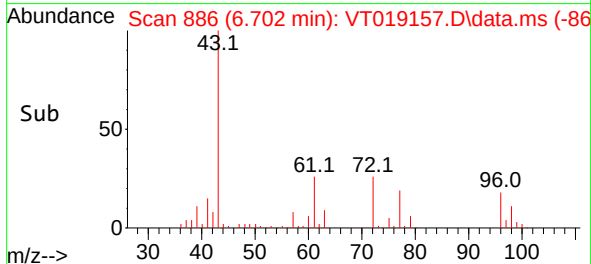
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 96 Resp: 26788  
Ion Ratio Lower Upper  
96 100  
61 139.8 122.3 183.5  
98 63.4 50.2 75.2

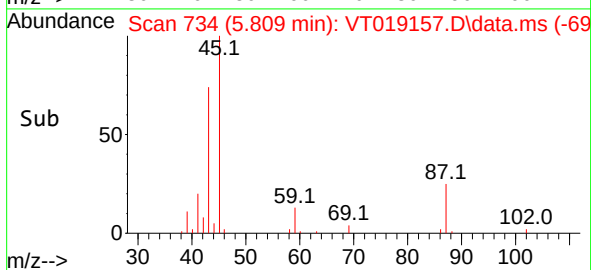
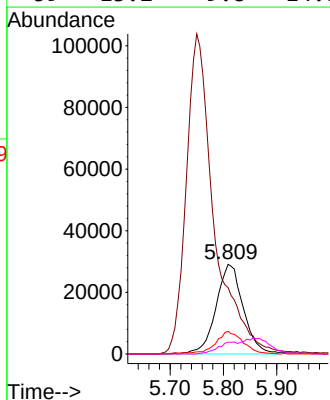
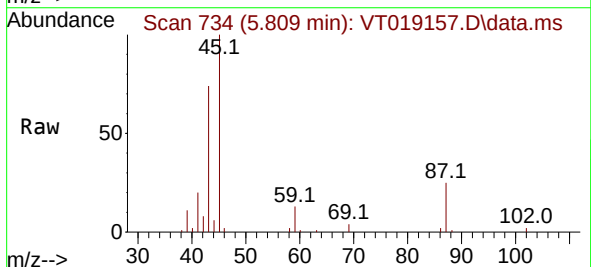
Manual Integrations  
APPROVED

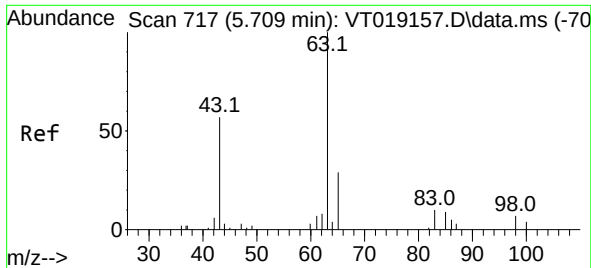
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#20  
Diisopropyl ether  
Concen: 18.287 ug/l  
RT: 5.809 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion: 45 Resp: 102545  
Ion Ratio Lower Upper  
45 100  
43 70.0 89.1 133.7#  
87 25.2 21.3 31.9  
59 13.2 9.8 14.8





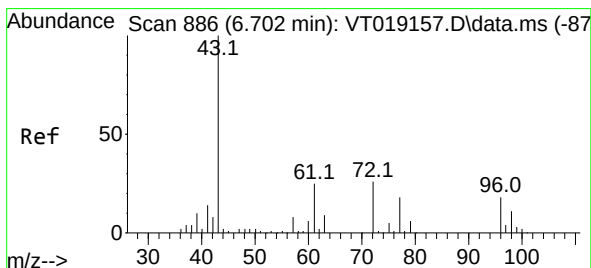
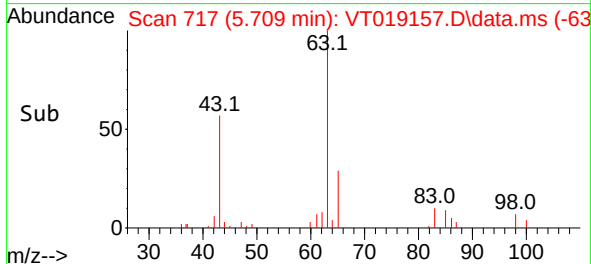
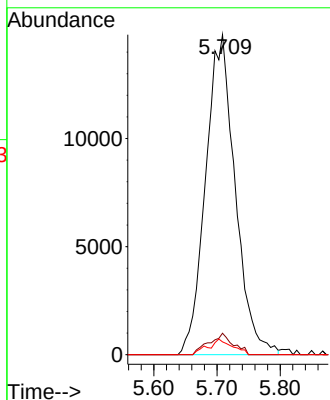
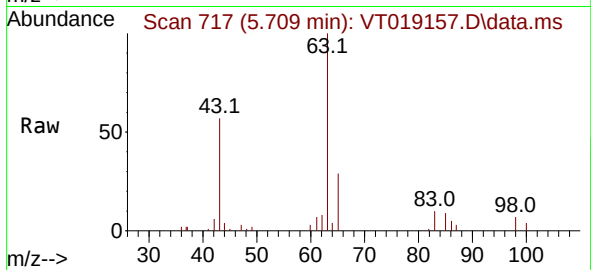
#21  
1,1-Dichloroethane  
Concen: 18.400 ug/l  
RT: 5.709 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 63 Resp: 4821  
Ion Ratio Lower Upper  
63 100  
98 6.7 3.5 10.5  
100 4.0 2.2 6.6

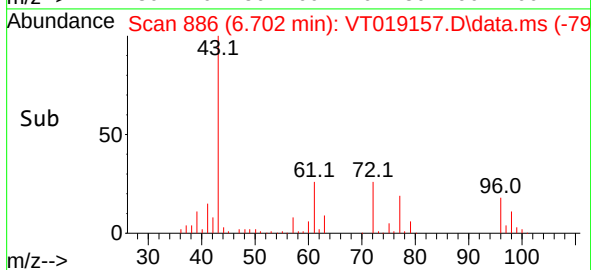
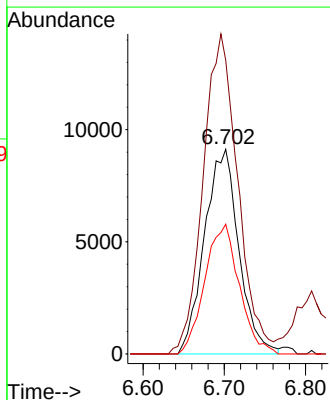
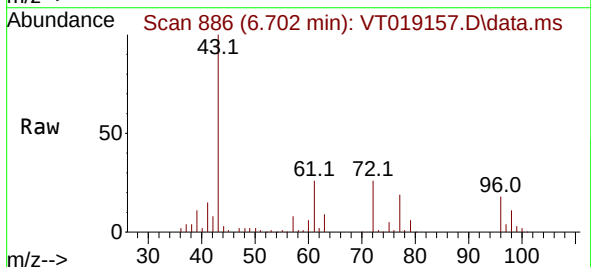
Manual Integrations  
APPROVED

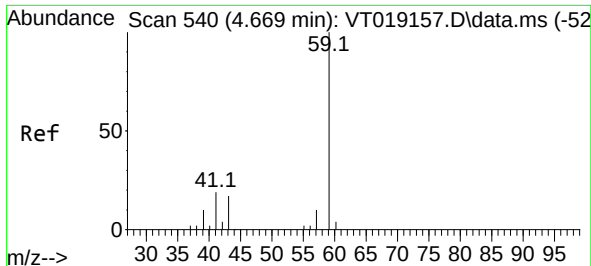
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#22  
cis-1,2-Dichloroethene  
Concen: 18.789 ug/l  
RT: 6.702 min Scan# 886  
Delta R.T. 0.012 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion: 96 Resp: 26788  
Ion Ratio Lower Upper  
96 100  
61 157.8 120.0 180.0  
98 63.6 52.8 79.2





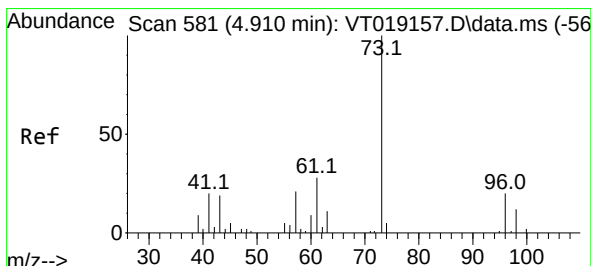
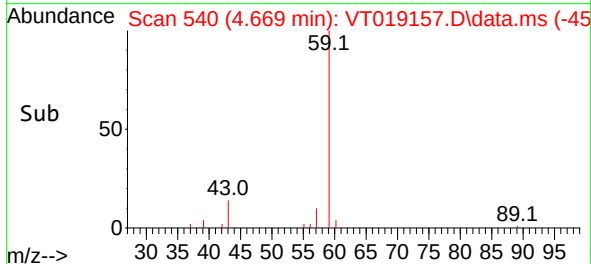
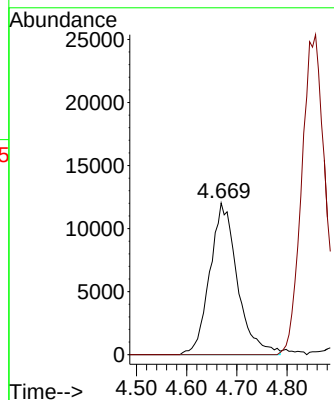
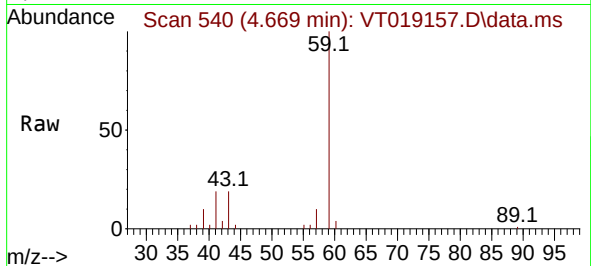
#23  
tert-Butyl Alcohol  
Concen: 92.928 ug/l  
RT: 4.669 min Scan# 540  
Delta R.T. -0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 59 Resp: 45985  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.2 0.25

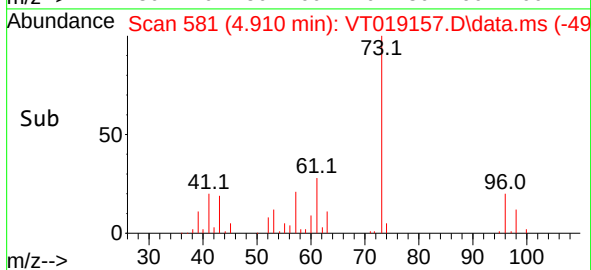
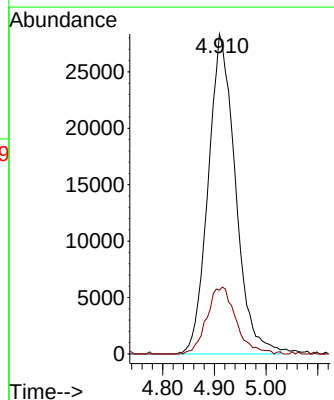
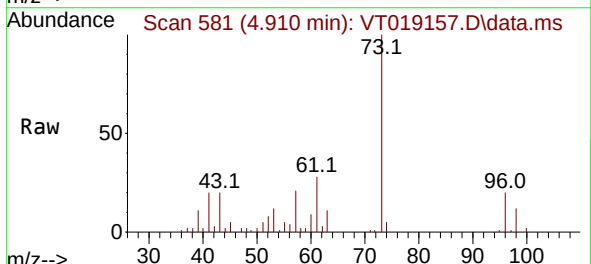
Manual Integrations  
APPROVED

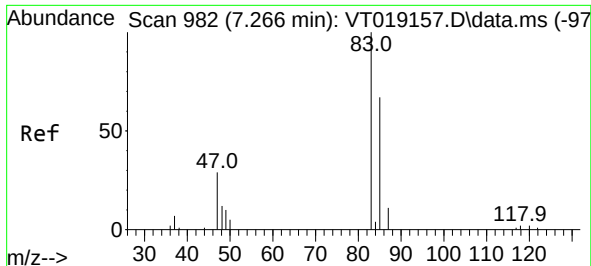
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#24  
Methyl tert-Butyl Ether  
Concen: 18.608 ug/l  
RT: 4.910 min Scan# 581  
Delta R.T. -0.011 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion: 73 Resp: 103719  
Ion Ratio Lower Upper  
73 100  
43 22.1 16.9 25.3





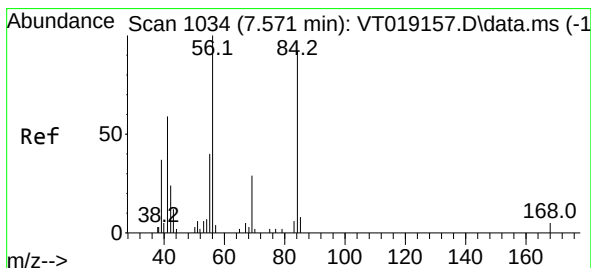
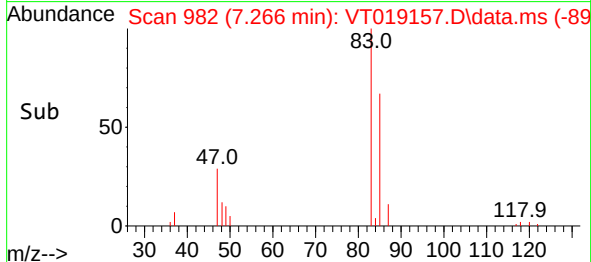
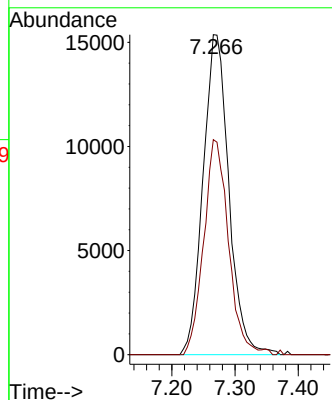
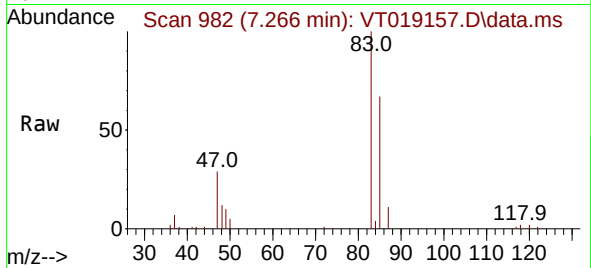
#25  
Chloroform  
Concen: 18.190 ug/l  
RT: 7.266 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 83 Resp: 43599  
Ion Ratio Lower Upper  
83 100  
85 67.2 48.0 72.0

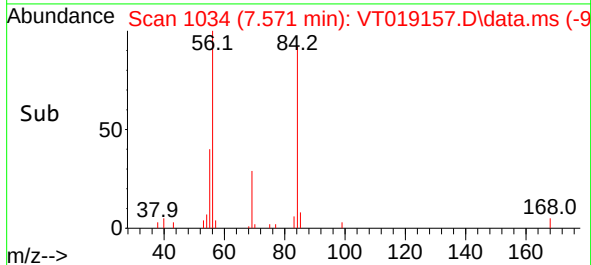
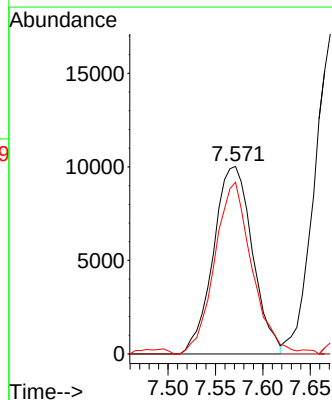
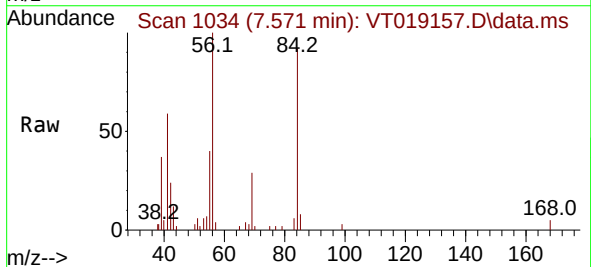
Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025

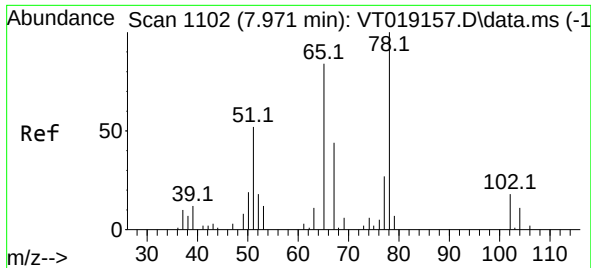


#26  
Cyclohexane  
Concen: 18.690 ug/l  
RT: 7.571 min Scan# 1034  
Delta R.T. 0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion: 56 Resp: 28738  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 86.8 67.9 101.9







#27

1,2-Dichloroethane-d4

Concen: 30.056 ug/l

RT: 7.971 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VT019157.D

Acq: 22 Oct 2025 14:34

Instrument :

MSVOA\_T

ClientSampleId :

VSTDICCC020

Tgt Ion: 65 Resp: 54340

Ion Ratio Lower Upper

65 100

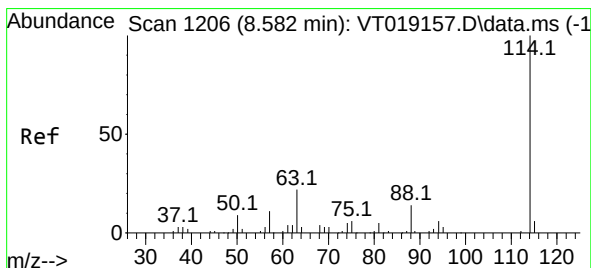
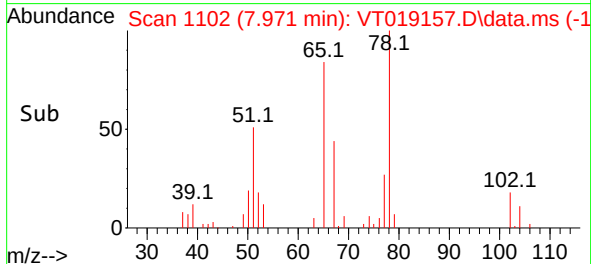
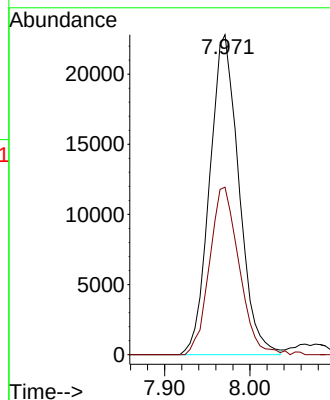
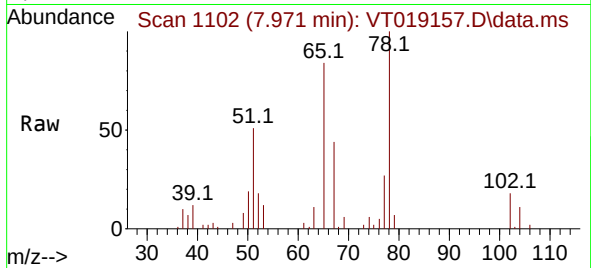
67 53.0 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.582 min Scan# 1206

Delta R.T. 0.006 min

Lab File: VT019157.D

Acq: 22 Oct 2025 14:34

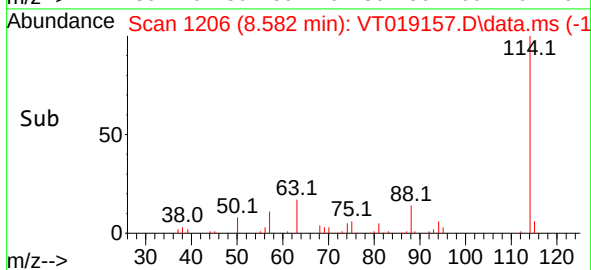
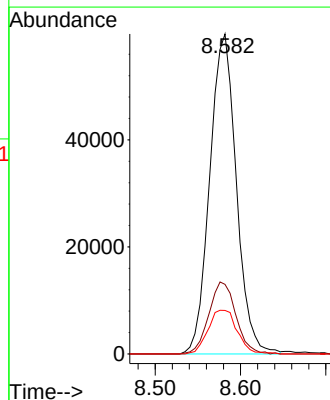
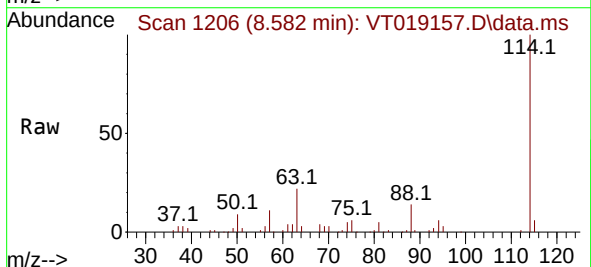
Tgt Ion:114 Resp: 129603

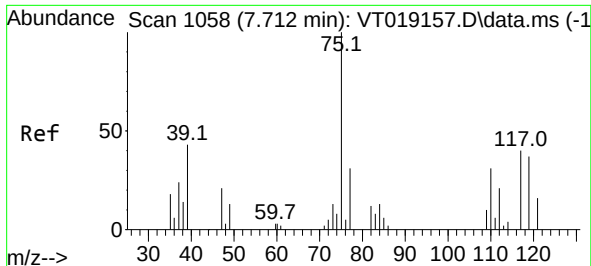
Ion Ratio Lower Upper

114 100

63 22.9 17.4 26.0

88 14.9 13.0 19.6





#29

1,1-Dichloropropene

Concen: 18.588 ug/l

RT: 7.712 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VT019157.D

Acq: 22 Oct 2025 14:34

Instrument :

MSVOA\_T

ClientSampleId :

VSTDICCC020

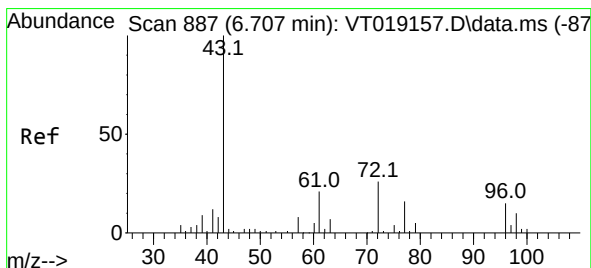
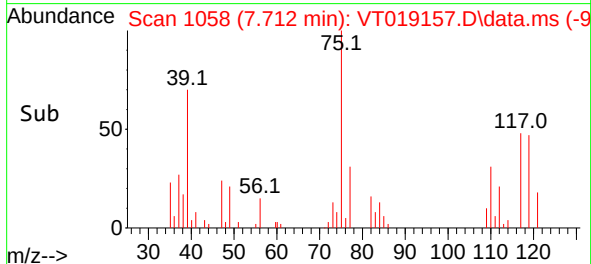
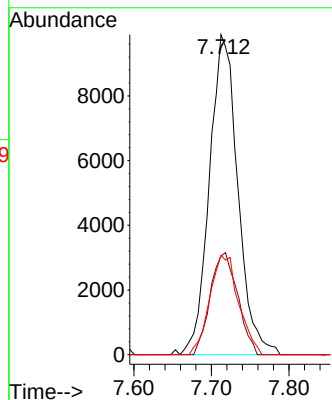
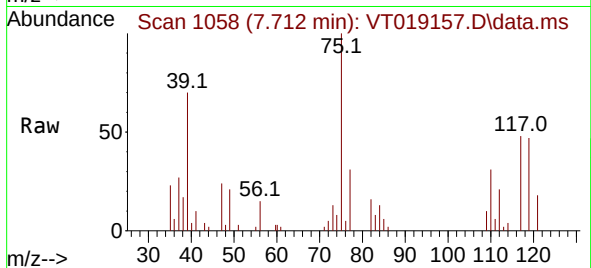
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 25209 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 30.7  | 0.0   | 70.8  |
| 77        | 31.6  | 0.0   | 61.6  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#30

2-Butanone

Concen: 90.833 ug/l

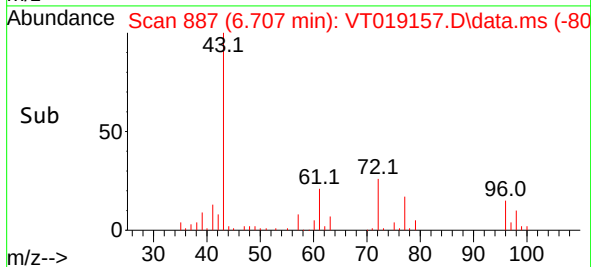
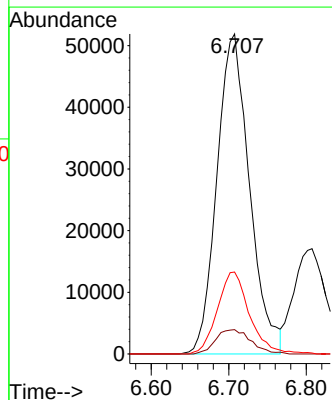
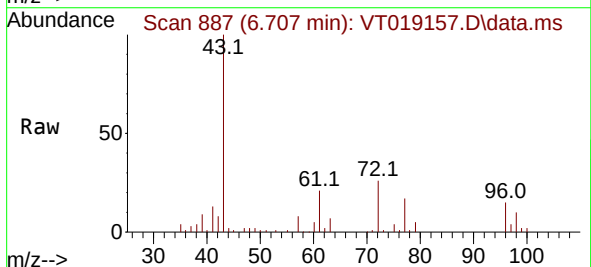
RT: 6.707 min Scan# 887

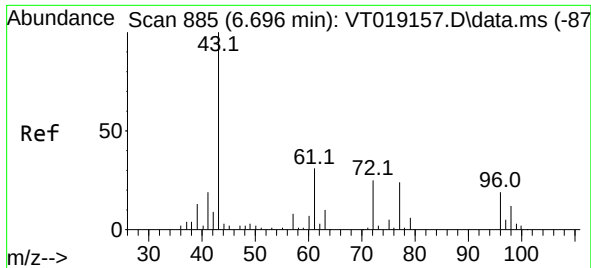
Delta R.T. 0.005 min

Lab File: VT019157.D

Acq: 22 Oct 2025 14:34

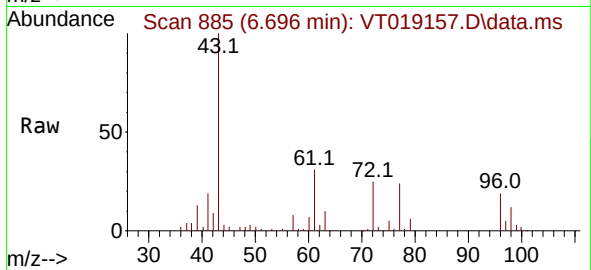
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 151836 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 57        | 8.1   | 5.9   | 8.9    |
| 72        | 25.2  | 20.2  | 30.2   |





#31  
2,2-Dichloropropane  
Concen: 18.616 ug/l  
RT: 6.696 min Scan# 885  
Delta R.T. 0.012 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

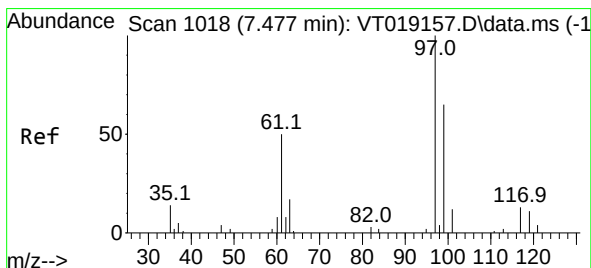
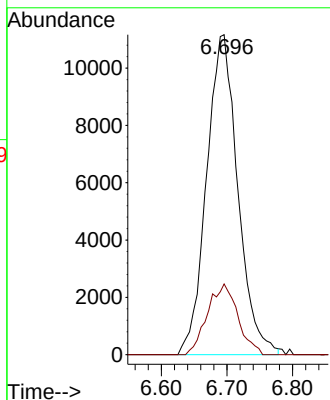
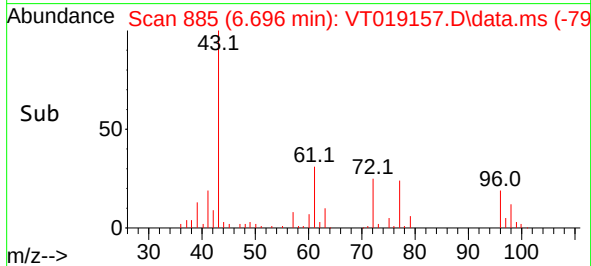
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 77 Resp: 36964  
Ion Ratio Lower Upper  
77 100  
97 13.1 14.5 21.75

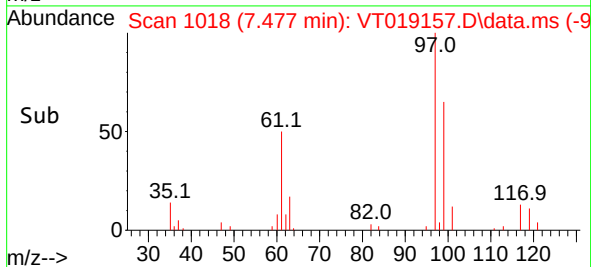
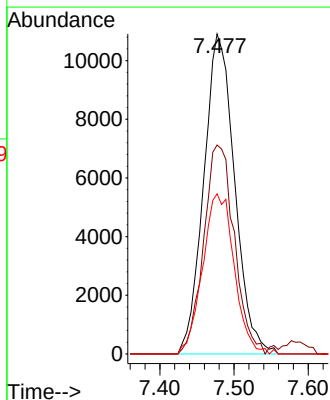
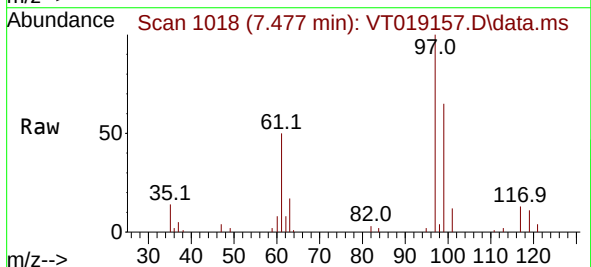
Manual Integrations  
APPROVED

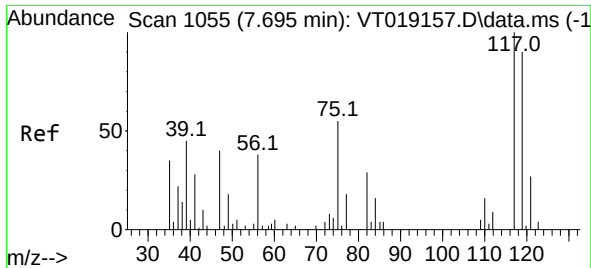
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#32  
1,1,1-Trichloroethane  
Concen: 18.446 ug/l  
RT: 7.477 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

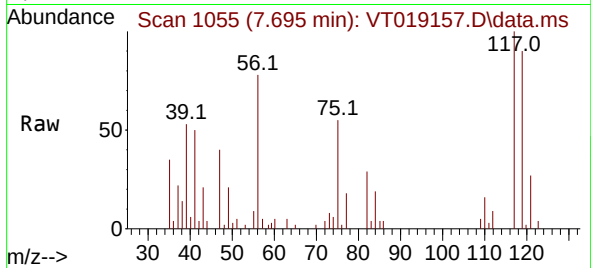
Tgt Ion: 97 Resp: 31516  
Ion Ratio Lower Upper  
97 100  
99 64.7 30.0 45.0#  
61 50.8 36.1 54.1





#33  
Carbon Tetrachloride  
Concen: 18.869 ug/l  
RT: 7.695 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

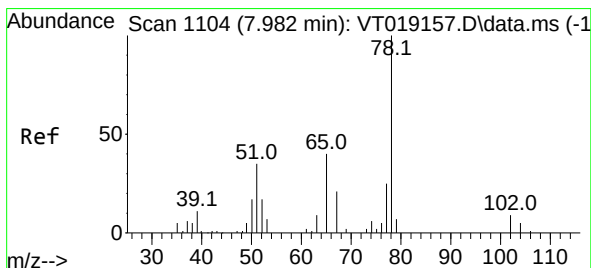
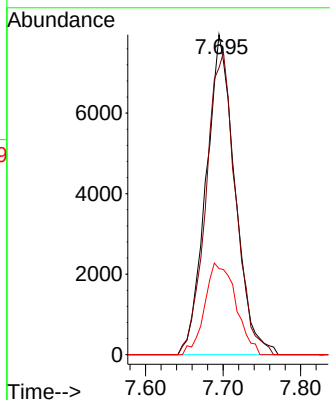
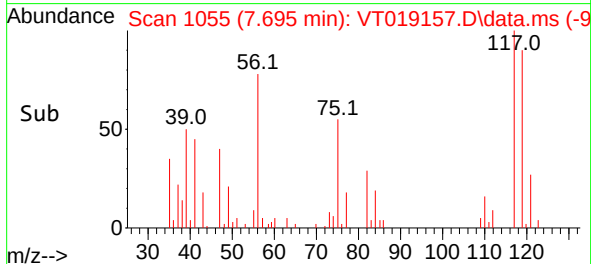
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



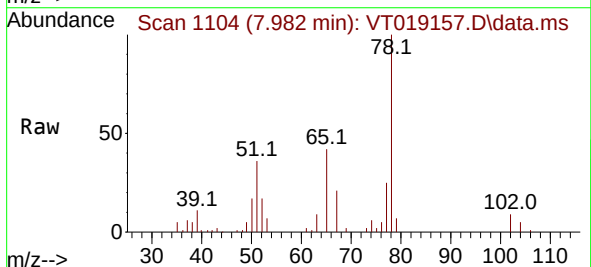
Tgt Ion:117 Resp: 20650  
Ion Ratio Lower Upper  
117 100  
119 89.7 76.5 114.7  
121 26.9 0.5 0.7

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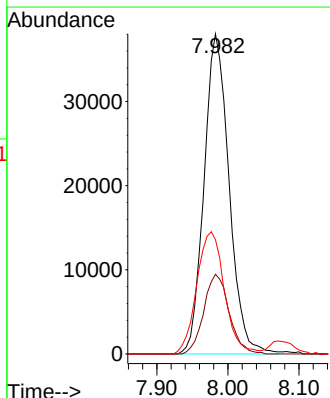
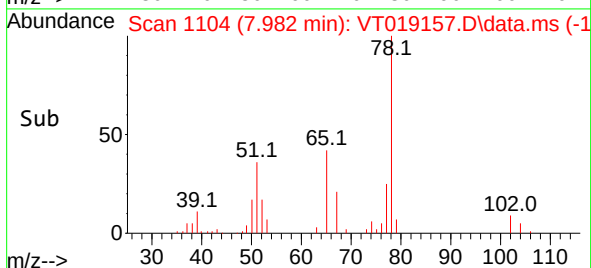
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025

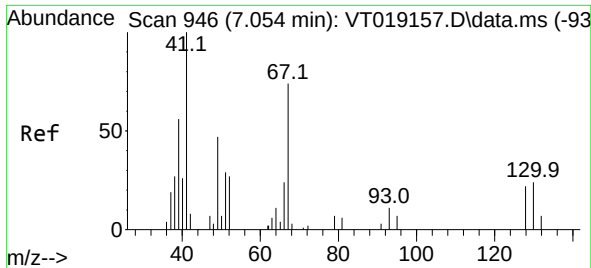


#34  
Benzene  
Concen: 18.505 ug/l  
RT: 7.982 min Scan# 1104  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34



Tgt Ion: 78 Resp: 92975  
Ion Ratio Lower Upper  
78 100  
77 24.9 17.6 26.4  
51 34.8 13.8 20.6





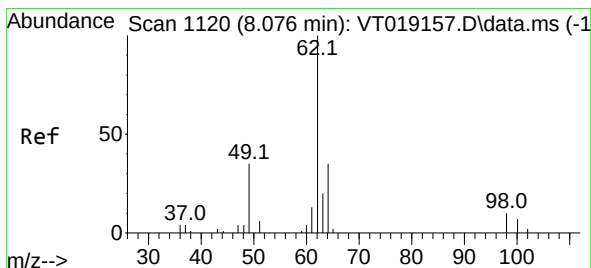
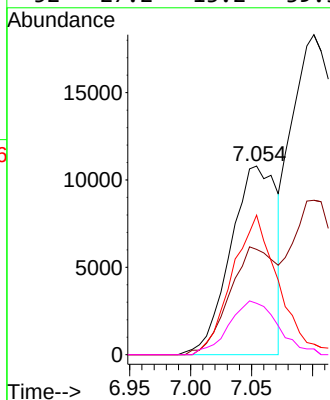
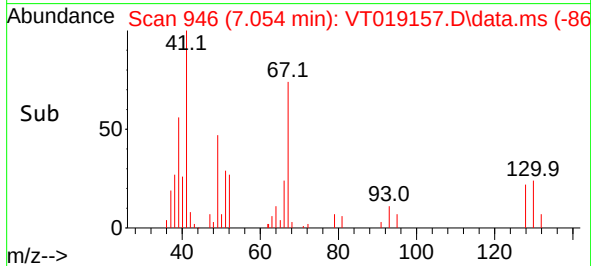
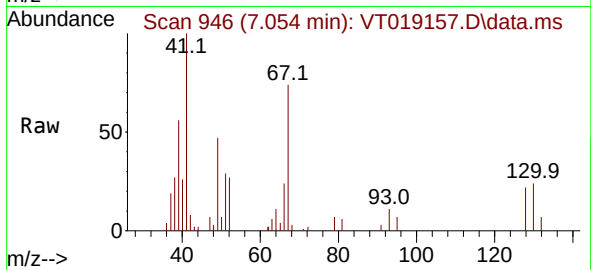
#35  
Methacrylonitrile  
Concen: 19.977 ug/l  
RT: 7.054 min Scan# 946  
Delta R.T. 0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 41    | Resp: | 2842 |
| Ion Ratio | Lower | Upper |      |
| 41        | 100   |       |      |
| 39        | 55.8  | 26.2  | 78.5 |
| 67        | 74.0  | 31.4  | 94.3 |
| 52        | 27.2  | 13.2  | 39.5 |

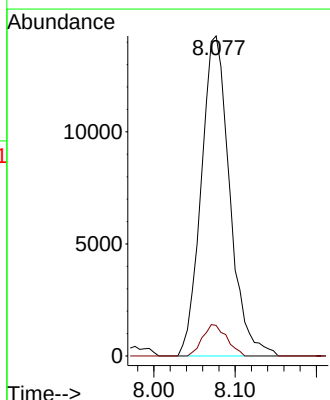
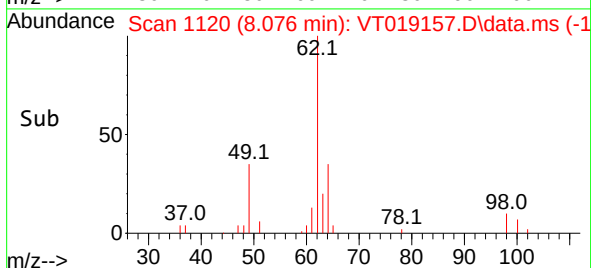
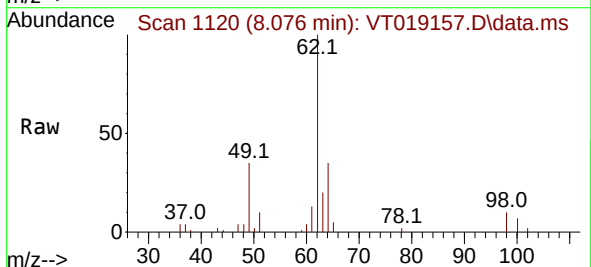
Manual Integrations  
APPROVED

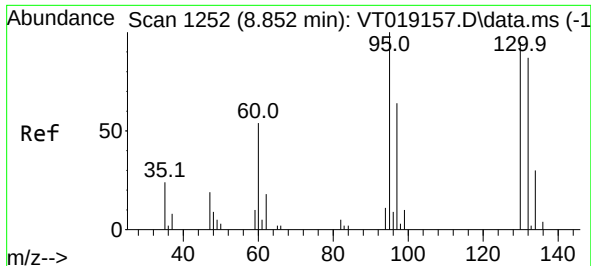
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#36  
1,2-Dichloroethane  
Concen: 18.673 ug/l  
RT: 8.076 min Scan# 1120  
Delta R.T. 0.005 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

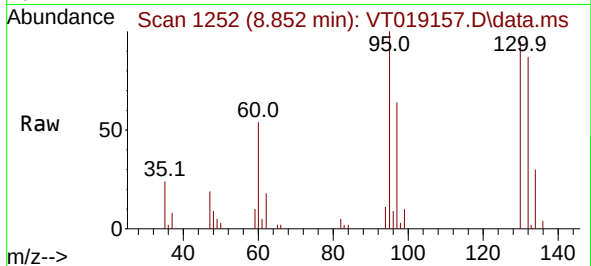
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 62    | Resp: | 34780 |
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 8.3   | 6.7   | 10.1  |





#37  
Trichloroethene  
Concen: 18.371 ug/l  
RT: 8.852 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

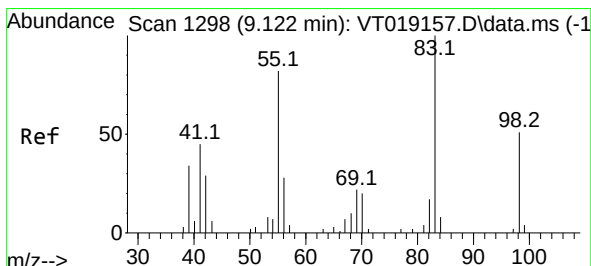
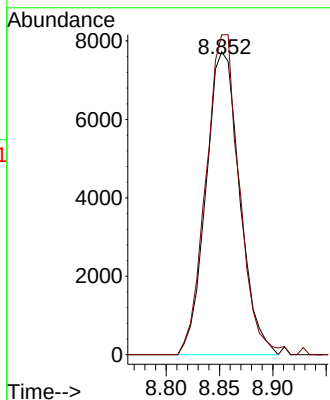
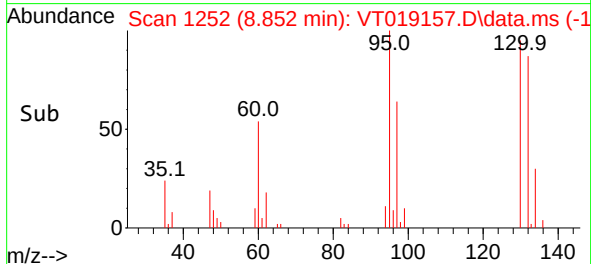
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion:130 Resp: 1698  
Ion Ratio Lower Upper  
130 100  
95 105.6 79.4 119.2

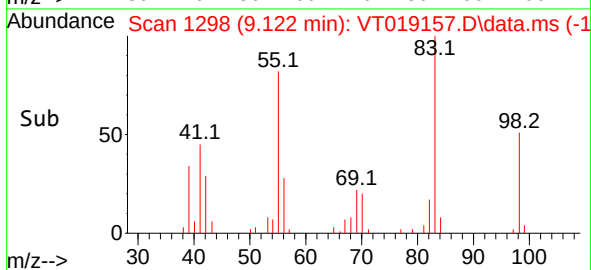
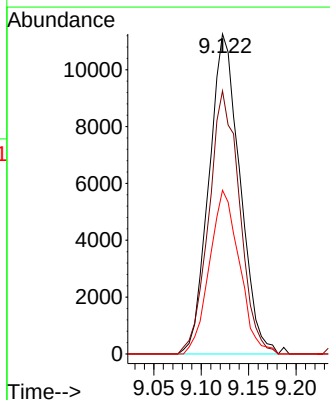
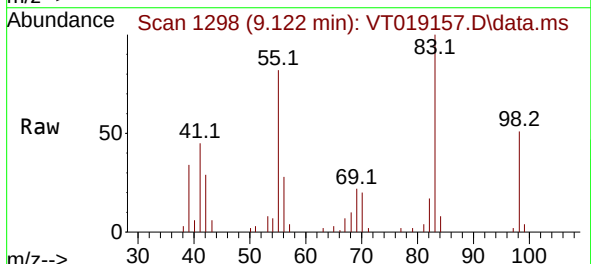
Manual Integrations  
APPROVED

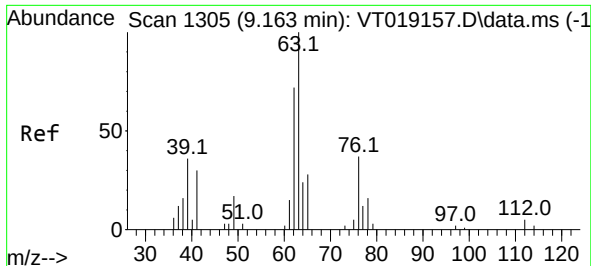
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#38  
Methylcyclohexane  
Concen: 18.712 ug/l  
RT: 9.122 min Scan# 1298  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion: 83 Resp: 25555  
Ion Ratio Lower Upper  
83 100  
55 81.7 40.3 120.8  
98 49.6 24.3 72.9





#39

1,2-Dichloropropane

Concen: 18.580 ug/l

RT: 9.163 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VT019157.D

Acq: 22 Oct 2025 14:34

Instrument :

MSVOA\_T

ClientSampleId :

VSTDICCC020

Tgt Ion: 63 Resp: 24449

Ion Ratio Lower Upper

63 100

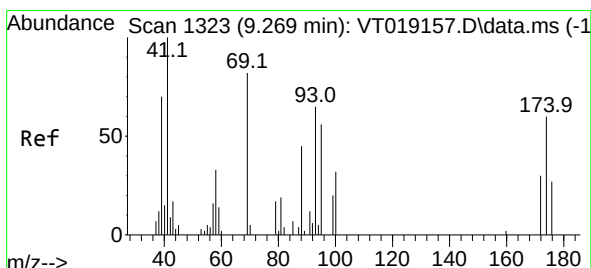
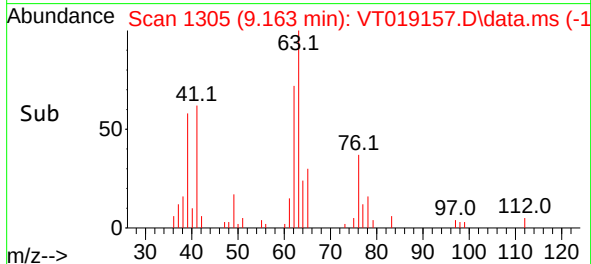
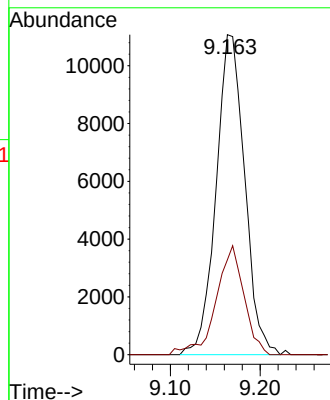
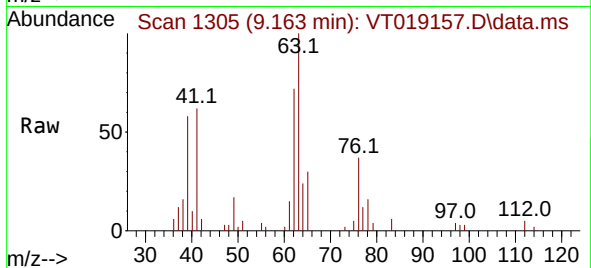
65 29.6 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#40

Dibromomethane

Concen: 17.825 ug/l

RT: 9.269 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VT019157.D

Acq: 22 Oct 2025 14:34

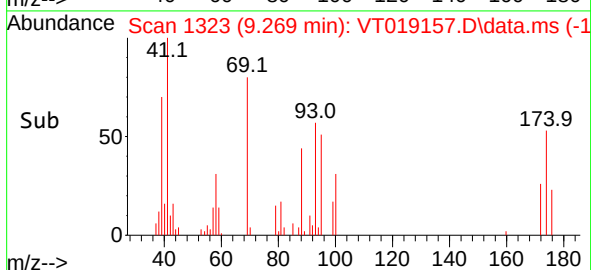
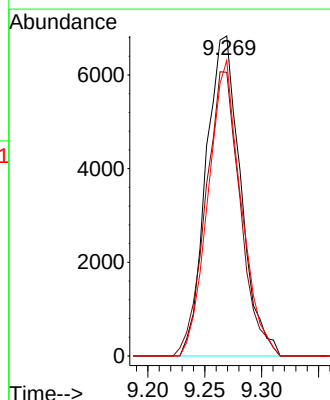
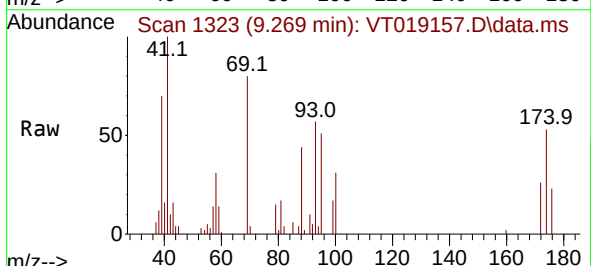
Tgt Ion: 93 Resp: 14463

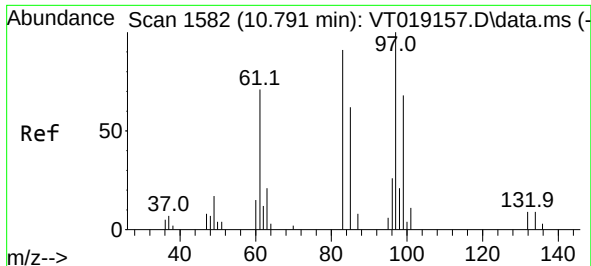
Ion Ratio Lower Upper

93 100

95 88.5 0.0 166.2

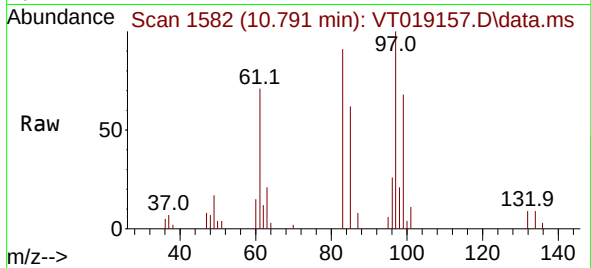
174 87.5 0.0 26.4





#41  
Bromodichloromethane  
Concen: 18.803 ug/l  
RT: 10.791 min Scan# 1582  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

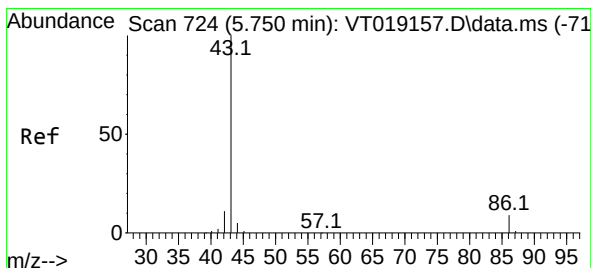
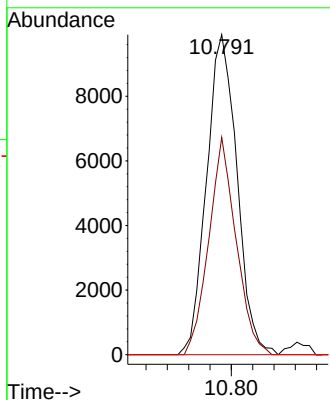
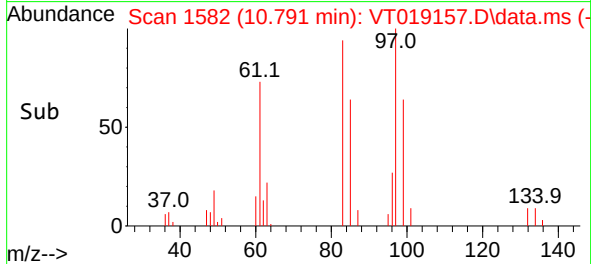
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 83 Resp: 1959  
Ion Ratio Lower Upper  
83 100  
85 67.9 47.2 70.8  
127 0.0 7.1 10.7

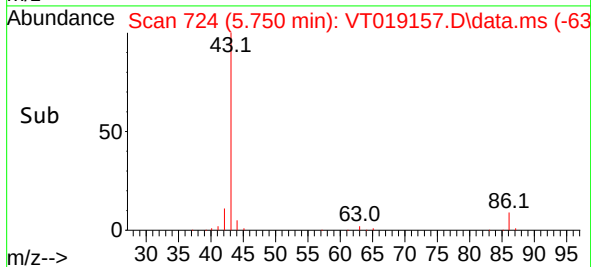
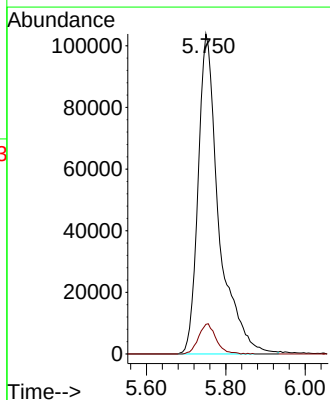
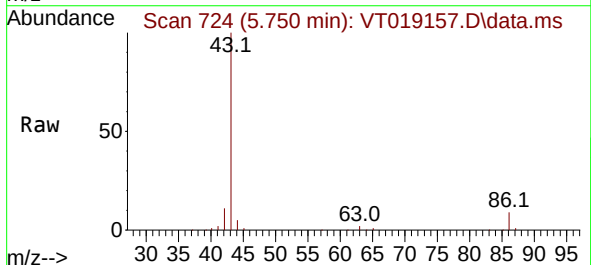
Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025

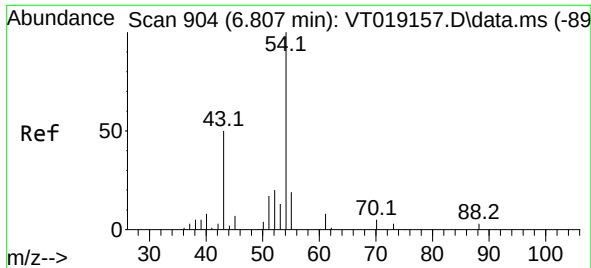


#42  
Vinyl Acetate  
Concen: 92.067 ug/l  
RT: 5.750 min Scan# 724  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion: 43 Resp: 377587  
Ion Ratio Lower Upper  
43 100  
86 7.8 6.9 10.3







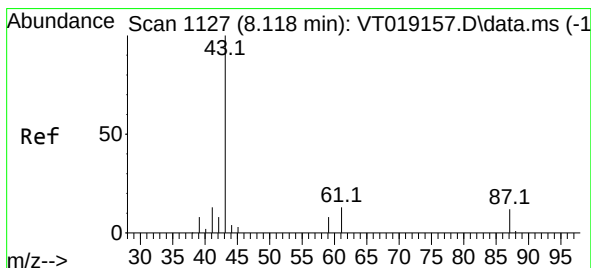
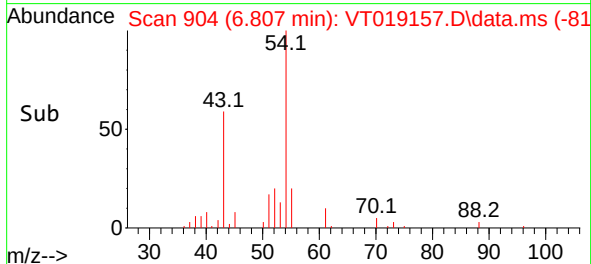
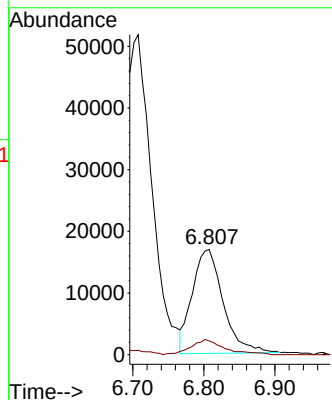
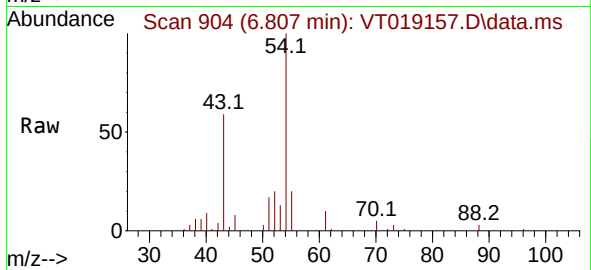
#43  
Ethyl Acetate  
Concen: 18.483 ug/l  
RT: 6.807 min Scan# 904  
Delta R.T. 0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 43 Resp: 50789  
Ion Ratio Lower Upper  
43 100  
45 11.4 10.6 16.0

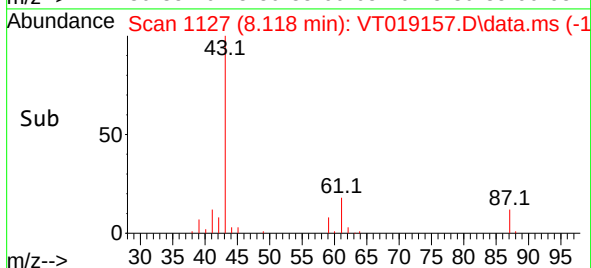
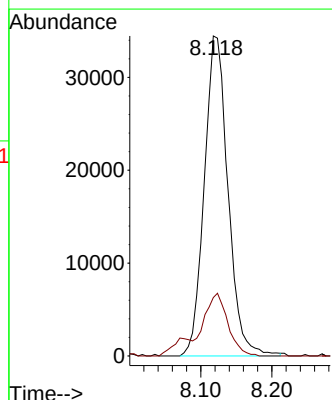
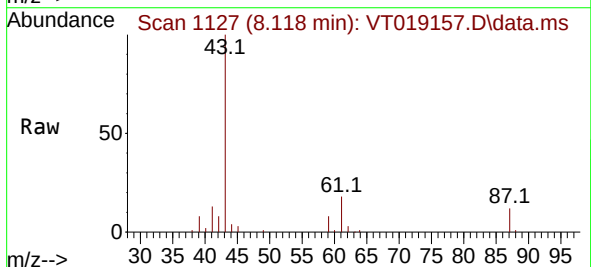
Manual Integrations  
APPROVED

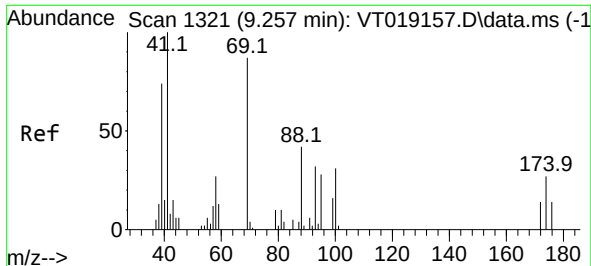
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#44  
Isopropyl Acetate  
Concen: 18.492 ug/l  
RT: 8.118 min Scan# 1127  
Delta R.T. -0.005 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

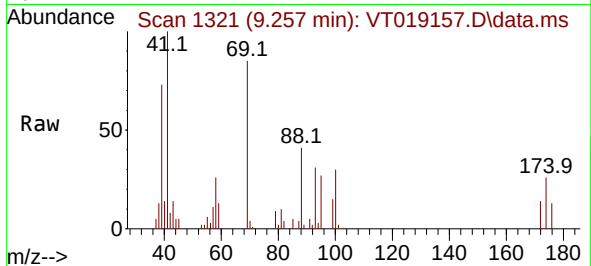
Tgt Ion: 43 Resp: 79973  
Ion Ratio Lower Upper  
43 100  
61 19.5 14.7 22.1





#45  
1,4-Dioxane  
Concen: 402.815 ug/l  
RT: 9.257 min Scan# 1321  
Delta R.T. -0.012 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

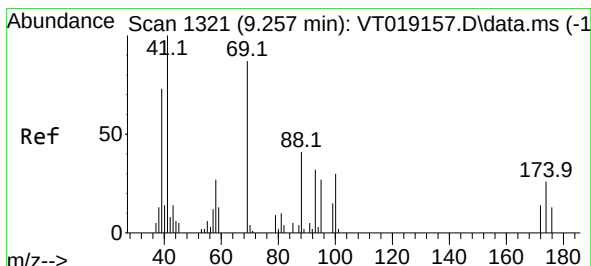
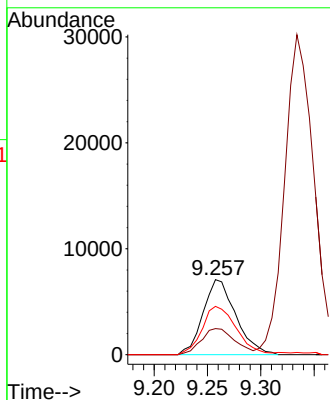
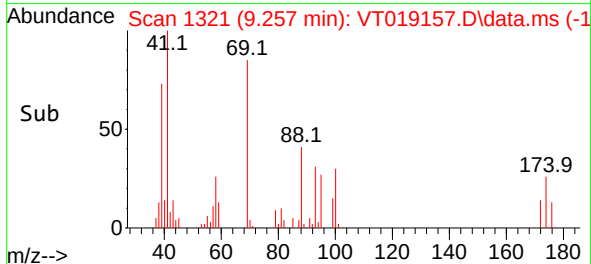
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



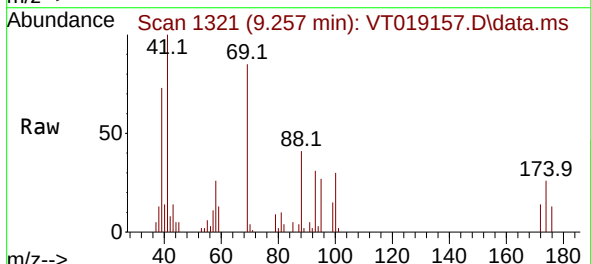
Tgt Ion: 88 Resp: 1511  
Ion Ratio Lower Upper  
88 100  
43 35.9 30.2 45.2  
58 67.2 33.3 49.9

Manual Integrations  
APPROVED

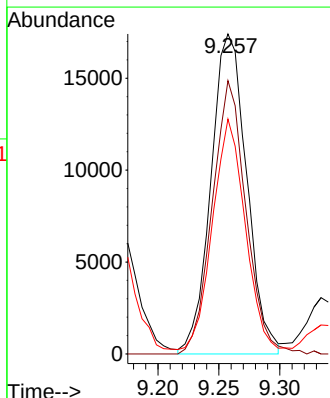
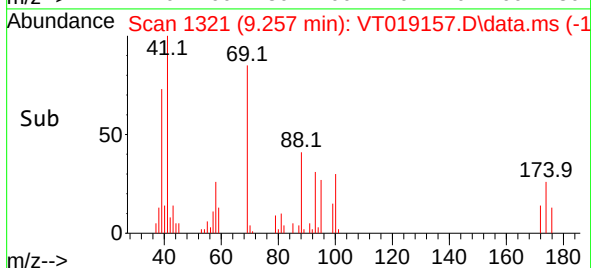
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025

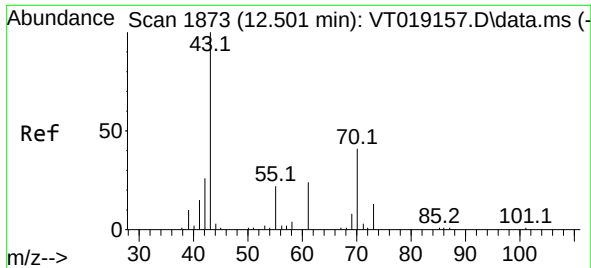


#46  
Methyl methacrylate  
Concen: 18.357 ug/l  
RT: 9.257 min Scan# 1321  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34



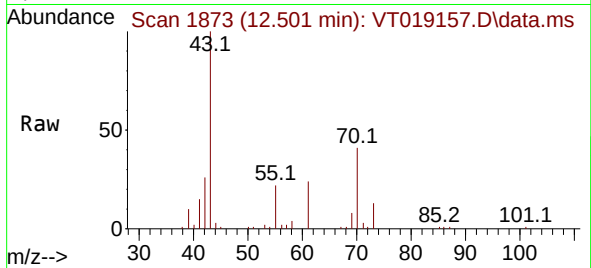
Tgt Ion: 41 Resp: 35497  
Ion Ratio Lower Upper  
41 100  
69 86.6 35.8 107.3  
39 73.0 24.4 73.4





#47  
n-amyl acetate  
Concen: 18.650 ug/l  
RT: 12.501 min Scan# 1873  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

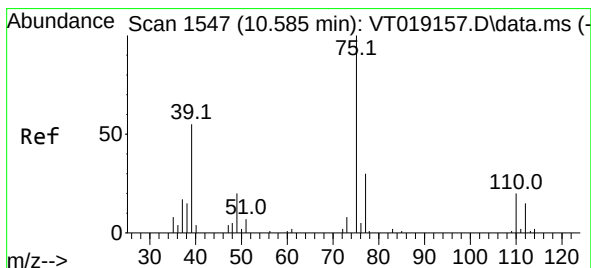
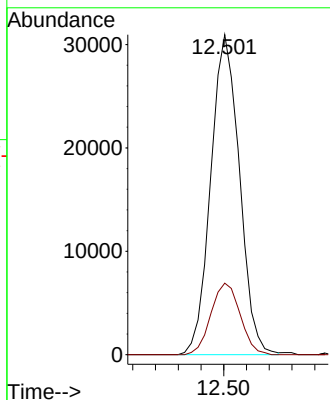
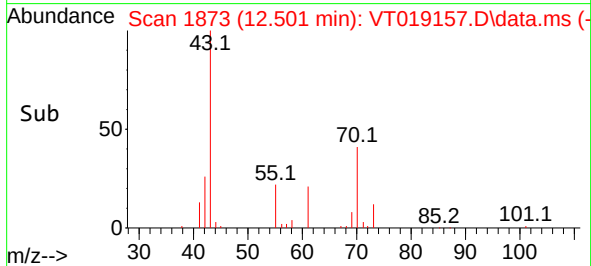
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 43 Resp: 54270  
Ion Ratio Lower Upper  
43 100  
55 22.7 18.4 27.6

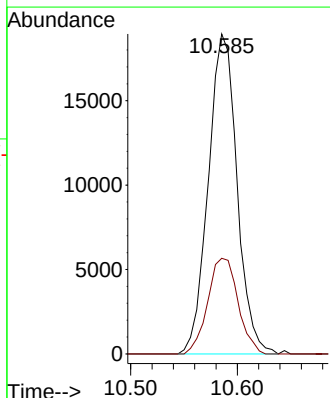
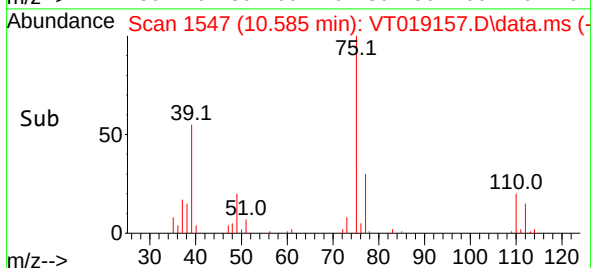
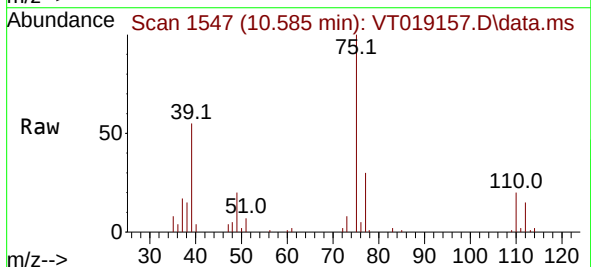
Manual Integrations  
APPROVED

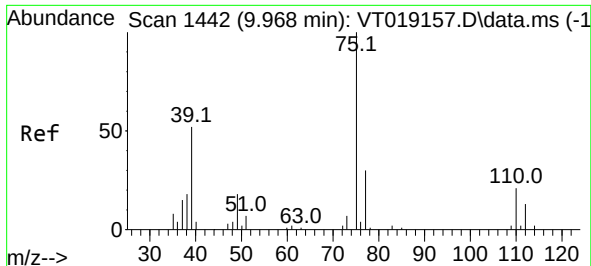
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#48  
t-1,3-Dichloropropene  
Concen: 18.774 ug/l  
RT: 10.585 min Scan# 1547  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

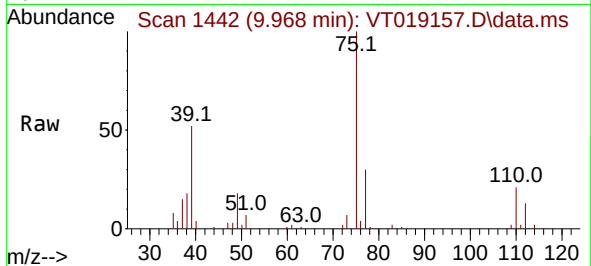
Tgt Ion: 75 Resp: 35502  
Ion Ratio Lower Upper  
75 100  
77 29.9 24.4 36.6





#49  
 cis-1,3-Dichloropropene  
 Concen: 18.419 ug/l  
 RT: 9.968 min Scan# 1442  
 Delta R.T. -0.006 min  
 Lab File: VT019157.D  
 Acq: 22 Oct 2025 14:34

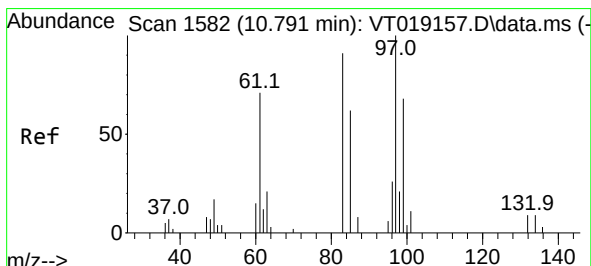
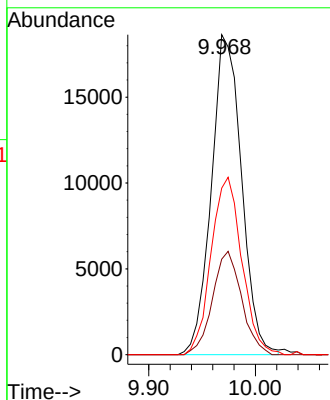
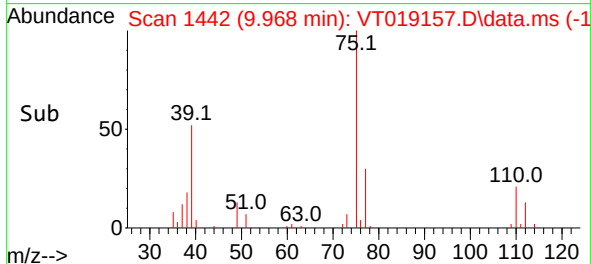
Instrument :  
 MSVOA\_T  
 ClientSampleId :  
 VSTDICCC020



Tgt Ion: 75 Resp: 36589  
 Ion Ratio Lower Upper  
 75 100  
 77 29.8 25.1 37.7  
 39 52.0 42.7 64.1

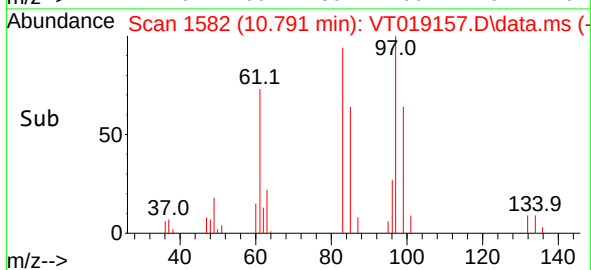
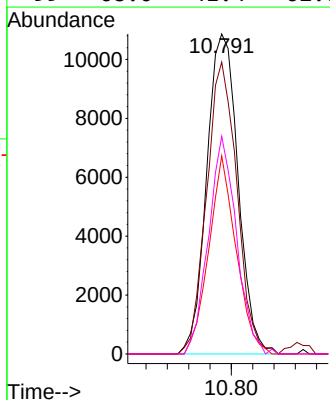
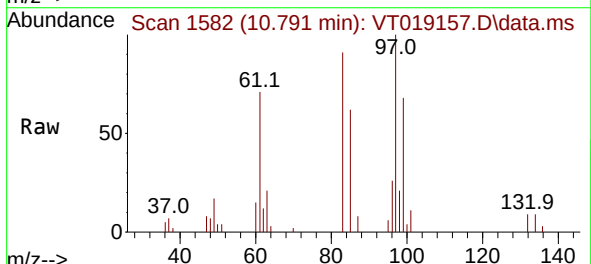
Manual Integrations  
 APPROVED

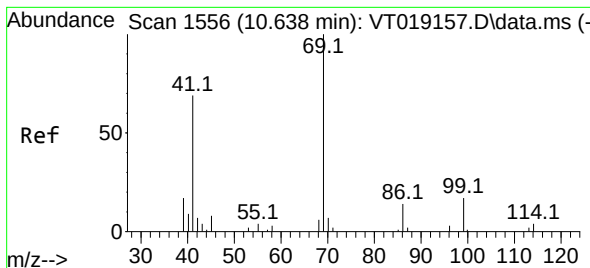
Reviewed By :John Carlone 10/24/2025  
 Supervised By :Mahesh Dadoda 10/27/2025



#50  
 1,1,2-Trichloroethane  
 Concen: 18.588 ug/l  
 RT: 10.791 min Scan# 1582  
 Delta R.T. 0.000 min  
 Lab File: VT019157.D  
 Acq: 22 Oct 2025 14:34

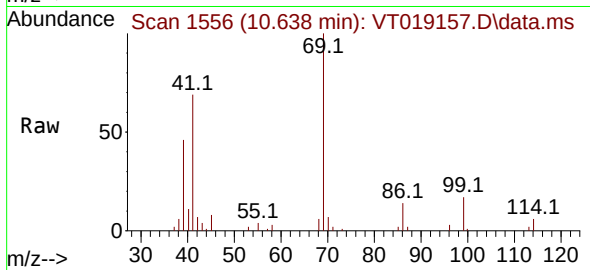
Tgt Ion: 97 Resp: 22183  
 Ion Ratio Lower Upper  
 97 100  
 83 91.2 58.3 87.5#  
 85 61.9 36.5 54.7#  
 99 68.0 41.4 62.0#





#51  
Ethyl methacrylate  
Concen: 18.991 ug/l  
RT: 10.638 min Scan# 1556  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

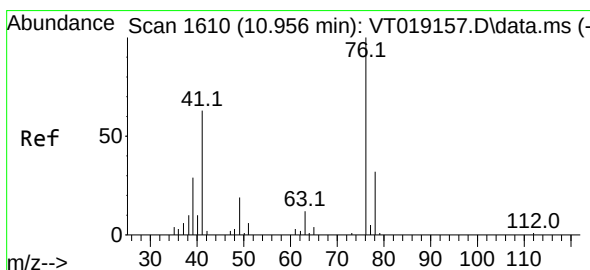
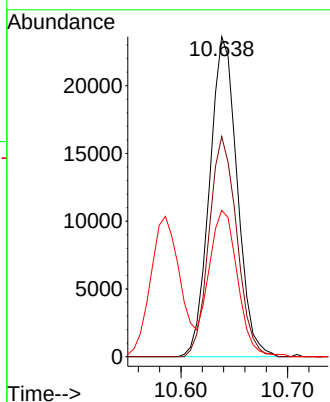
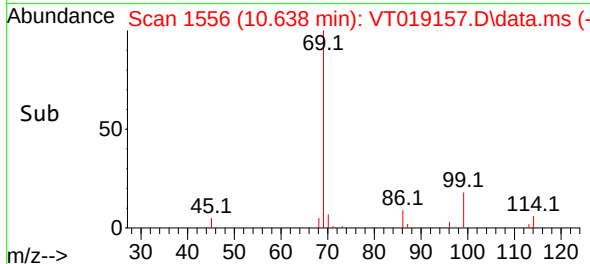
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 69 Resp: 42472  
Ion Ratio Lower Upper  
69 100  
41 68.8 35.0 105.1  
39 45.0 19.5 58.5

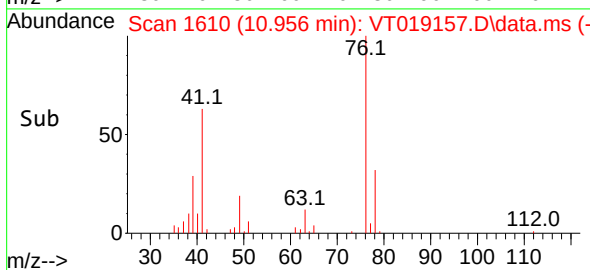
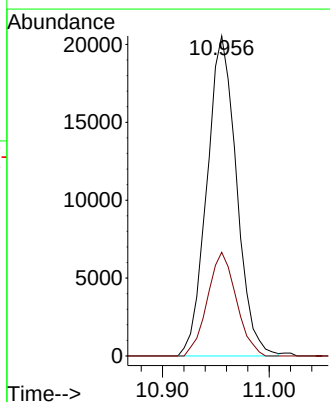
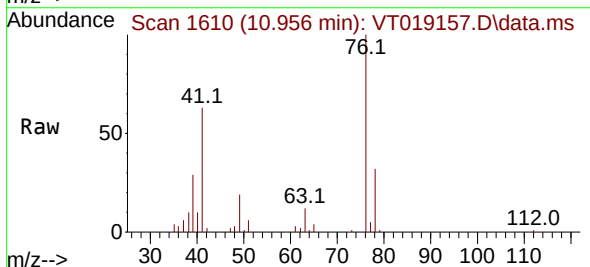
Manual Integrations  
APPROVED

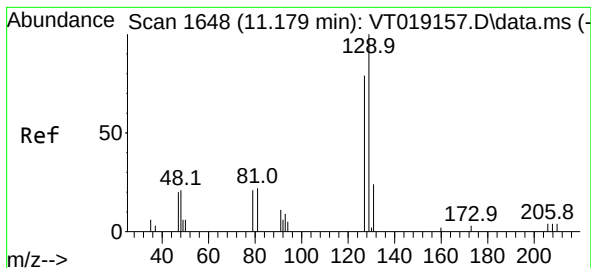
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#52  
1,3-Dichloropropane  
Concen: 18.584 ug/l  
RT: 10.956 min Scan# 1610  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion: 76 Resp: 39611  
Ion Ratio Lower Upper  
76 100  
78 31.6 0.0 63.6





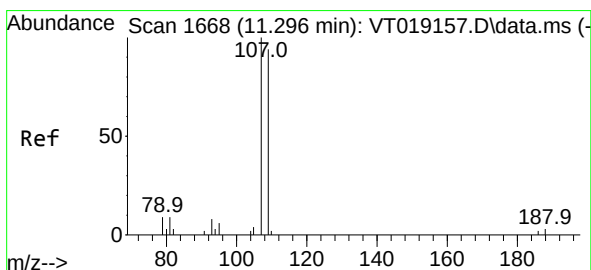
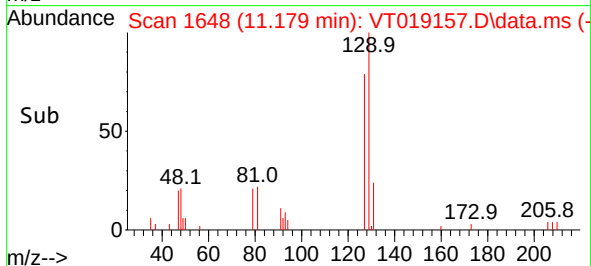
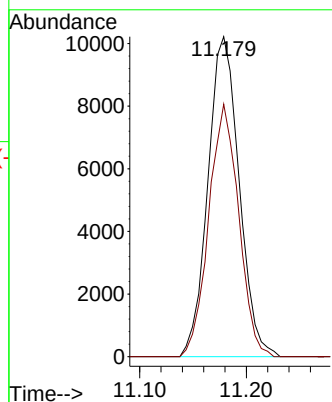
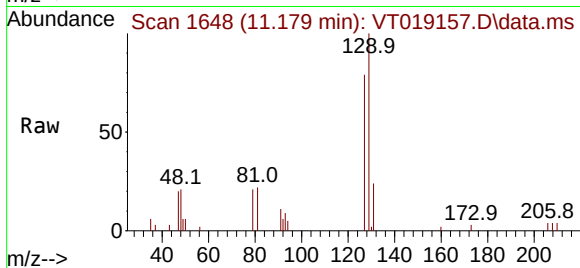
#53  
Dibromochloromethane  
Concen: 18.663 ug/l  
RT: 11.179 min Scan# 1648  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion:129 Resp: 2078  
Ion Ratio Lower Upper  
129 100  
127 75.5 125.0 374.9

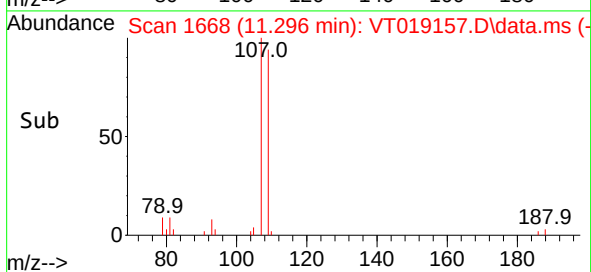
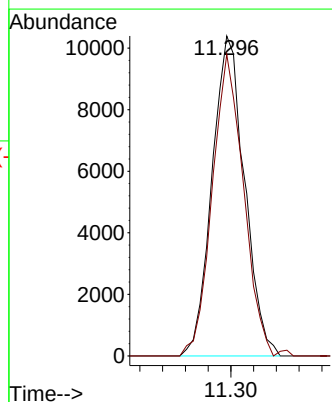
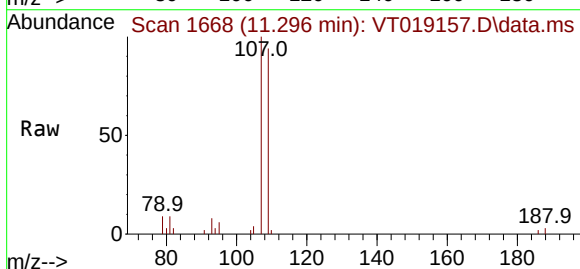
Manual Integrations  
APPROVED

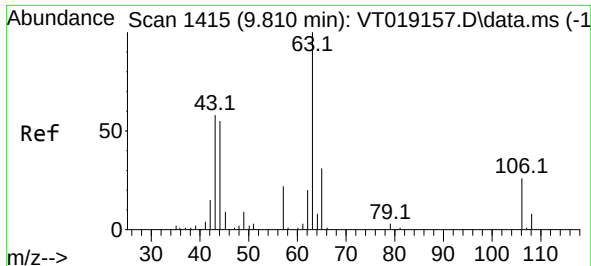
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#54  
1,2-Dibromoethane  
Concen: 18.557 ug/l  
RT: 11.296 min Scan# 1668  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion:107 Resp: 20598  
Ion Ratio Lower Upper  
107 100  
109 90.5 74.0 111.0





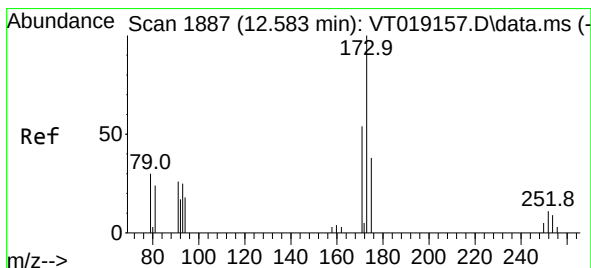
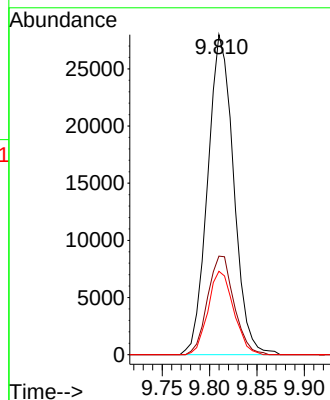
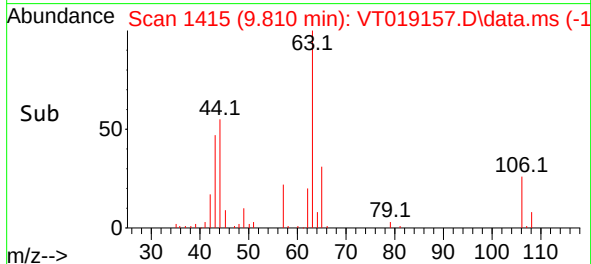
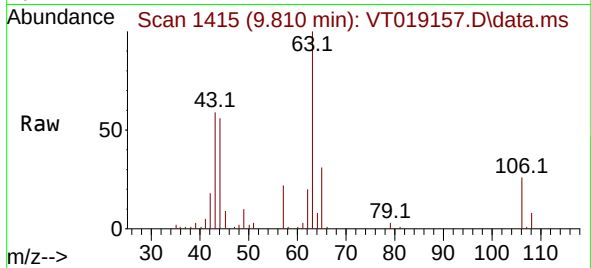
#55  
2-Chloroethyl vinyl ether  
Concen: 81.655 ug/l  
RT: 9.810 min Scan# 1415  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 63 Resp: 53262  
Ion Ratio Lower Upper  
63 100  
65 31.4 25.8 38.6  
106 25.7 22.1 33.1

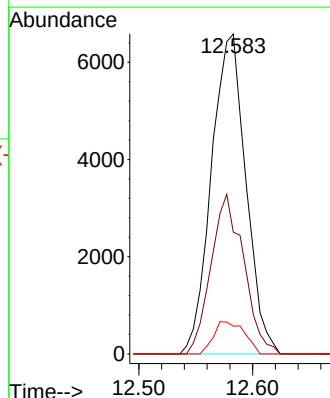
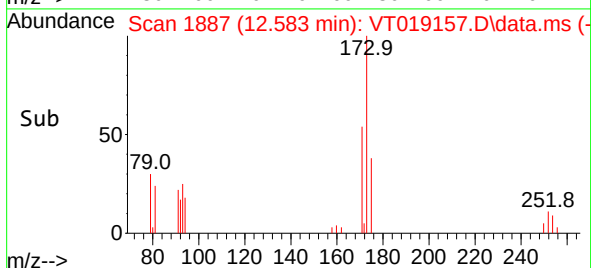
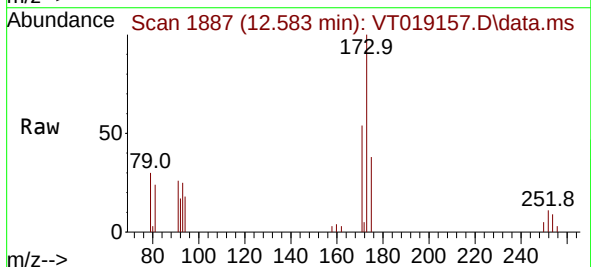
Manual Integrations  
APPROVED

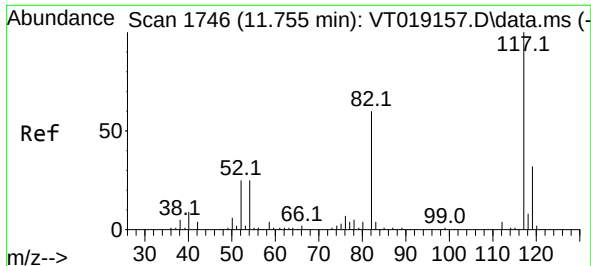
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#56  
Bromoform  
Concen: 18.938 ug/l  
RT: 12.583 min Scan# 1887  
Delta R.T. 0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion:173 Resp: 13859  
Ion Ratio Lower Upper  
173 100  
175 47.2 2.6 3.8#  
254 9.0 2.2 3.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.755 min Scan# 117

Delta R.T. -0.000 min

Lab File: VT019157.D

Acq: 22 Oct 2025 14:34

Instrument :

MSVOA\_T

ClientSampleId :

VSTDICCC020

Tgt Ion:117 Resp: 111410

Ion Ratio Lower Upper

117 100

82 58.8 46.0 69.0

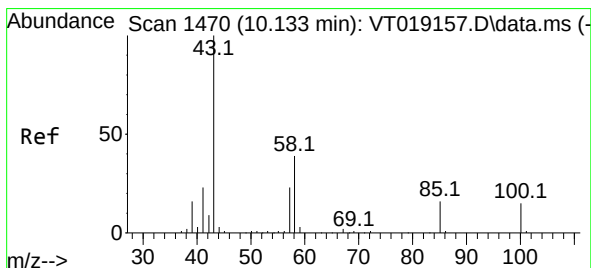
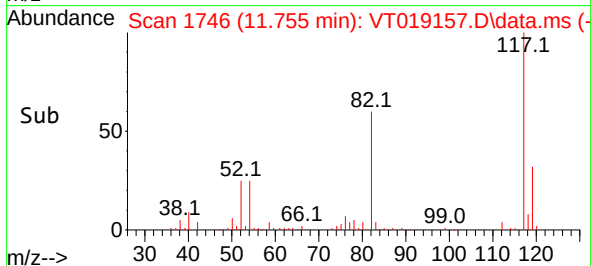
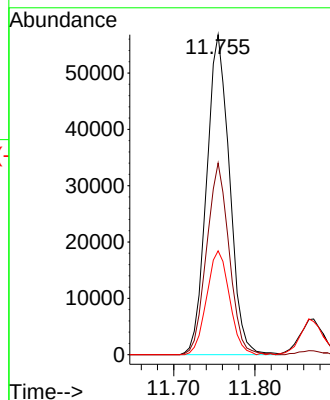
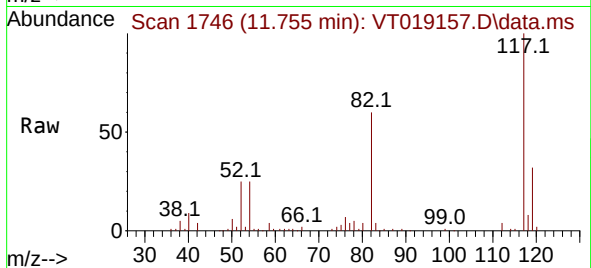
119 32.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#58

4-Methyl-2-Pentanone

Concen: 89.354 ug/l

RT: 10.133 min Scan# 1470

Delta R.T. -0.006 min

Lab File: VT019157.D

Acq: 22 Oct 2025 14:34

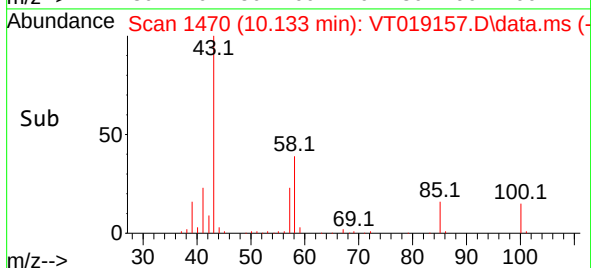
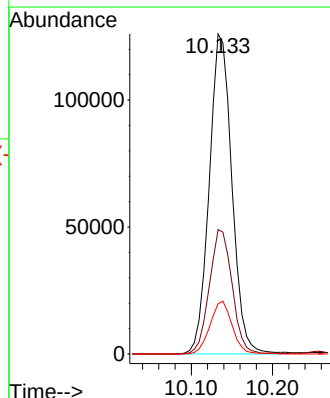
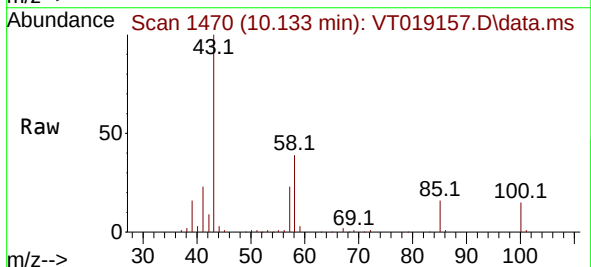
Tgt Ion: 43 Resp: 243805

Ion Ratio Lower Upper

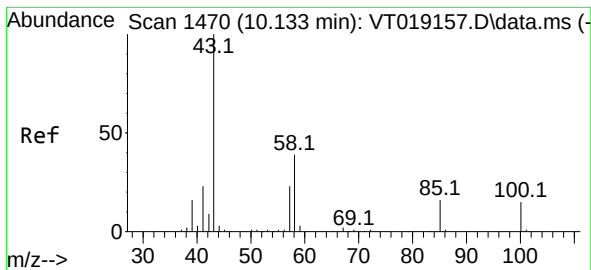
43 100

58 39.0 30.6 45.8

85 16.1 13.4 20.2

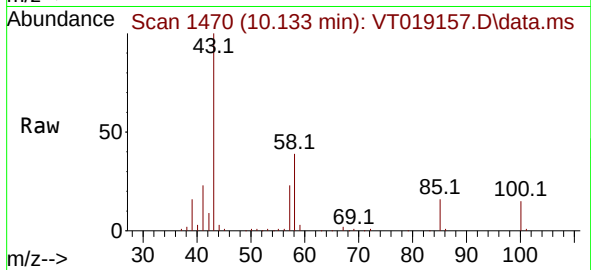






#59  
2-Hexanone  
Concen: 89.354 ug/l  
RT: 10.133 min Scan# 1470  
Delta R.T. -0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

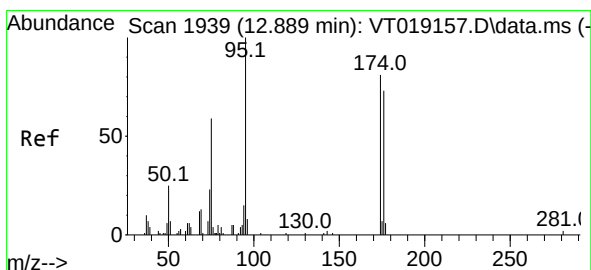
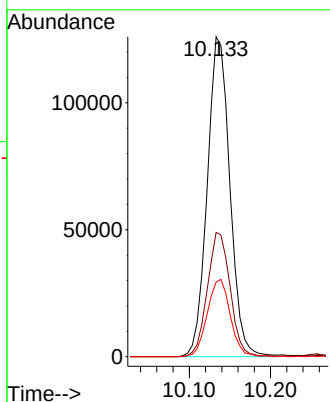
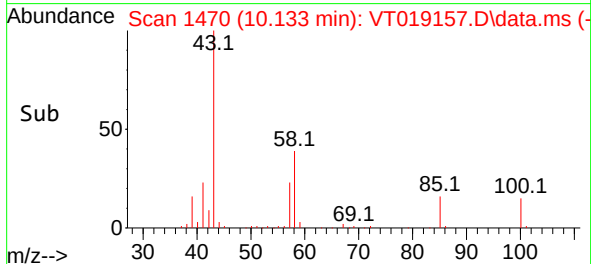
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 43 Resp: 243805  
Ion Ratio Lower Upper  
43 100  
58 39.0 42.0 63.0  
57 24.5 14.6 21.8

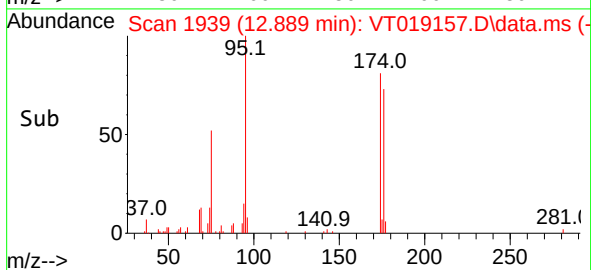
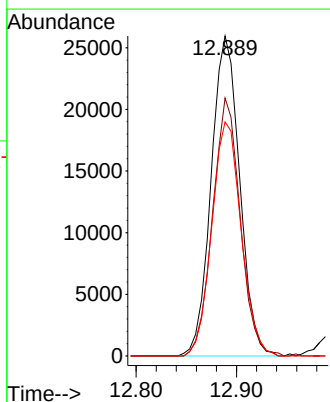
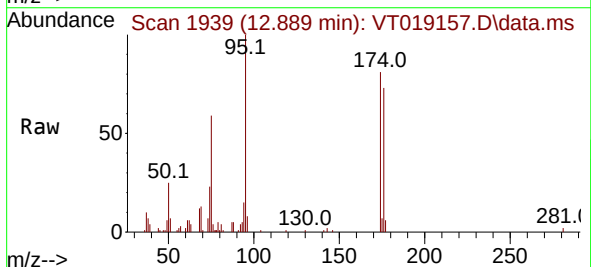
Manual Integrations  
APPROVED

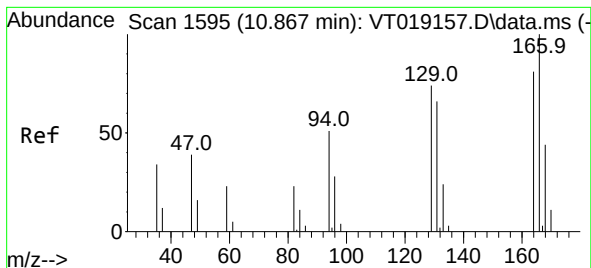
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#60  
4-Bromofluorobenzene  
Concen: 29.185 ug/l  
RT: 12.889 min Scan# 1939  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

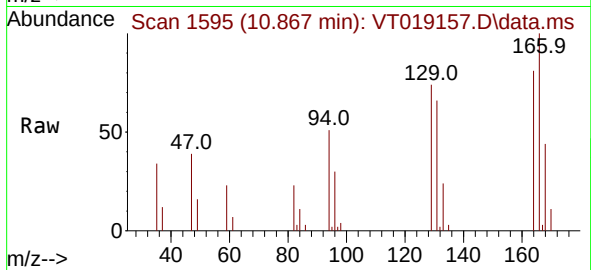
Tgt Ion: 95 Resp: 51105  
Ion Ratio Lower Upper  
95 100  
174 78.0 57.5 86.3  
176 75.3 56.4 84.6





#61  
Tetrachloroethene  
Concen: 18.437 ug/l  
RT: 10.867 min Scan# 1595  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

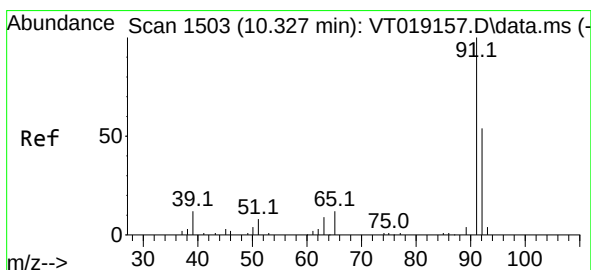
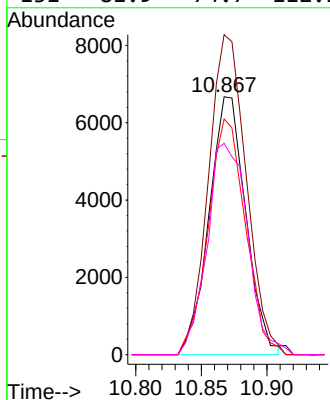
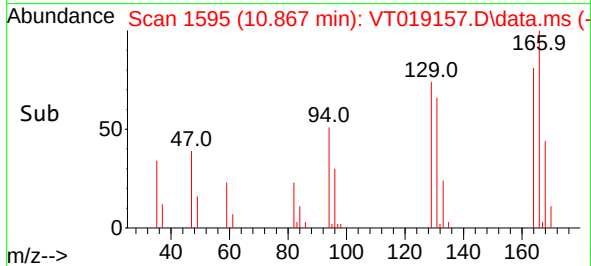
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



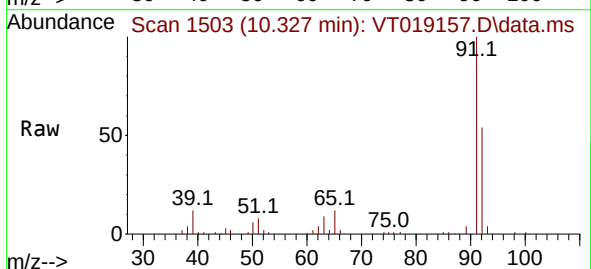
Tgt Ion:164 Resp: 12984  
Ion Ratio Lower Upper  
164 100  
166 124.0 101.0 151.4  
129 91.3 78.6 117.8  
131 81.9 74.7 112.1

Manual Integrations  
APPROVED

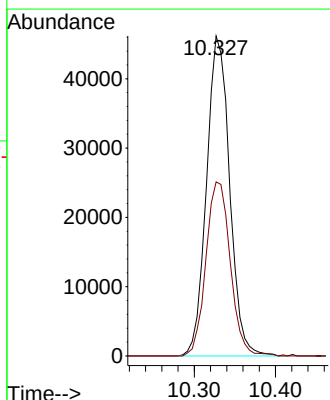
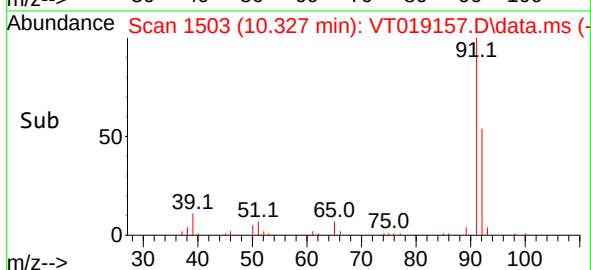
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025

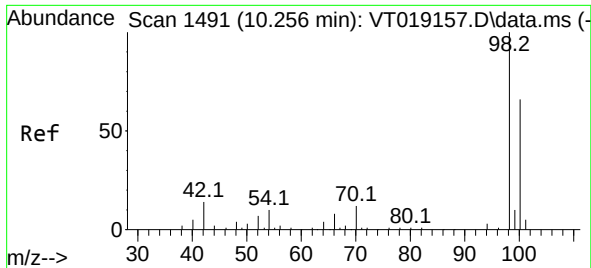


#62  
Toluene  
Concen: 18.289 ug/l  
RT: 10.327 min Scan# 1503  
Delta R.T. -0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34



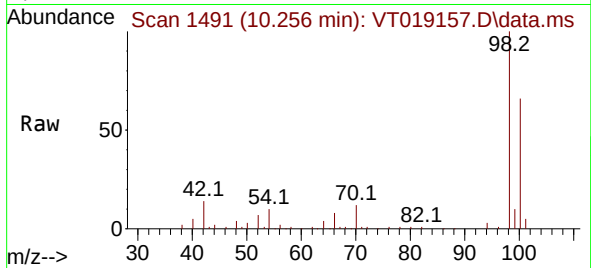
Tgt Ion: 91 Resp: 91269  
Ion Ratio Lower Upper  
91 100  
92 57.3 46.6 69.8





#63  
Toluene-d8  
Concen: 30.027 ug/l  
RT: 10.256 min Scan# 1491  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

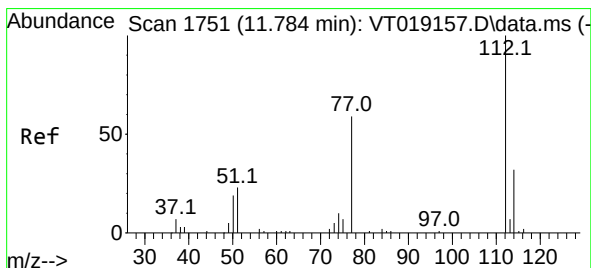
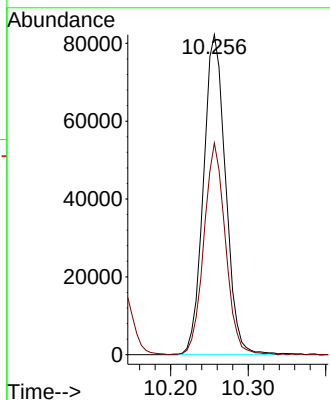
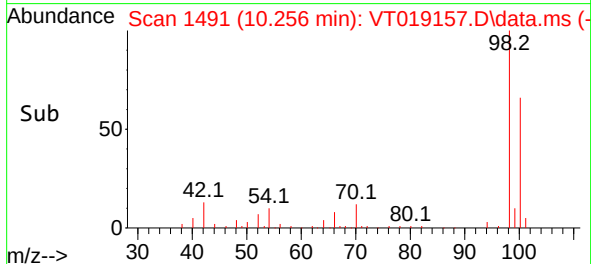
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 98 Resp: 162836  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.9 79.3

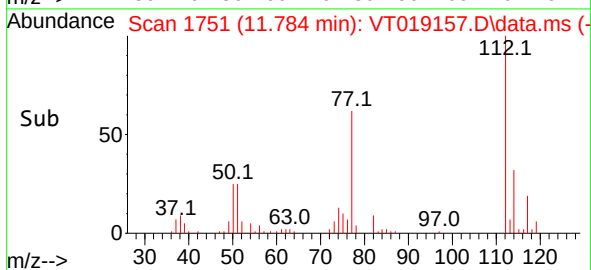
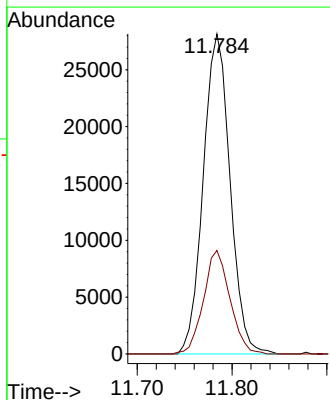
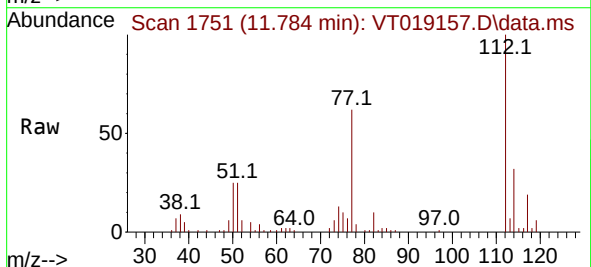
Manual Integrations  
APPROVED

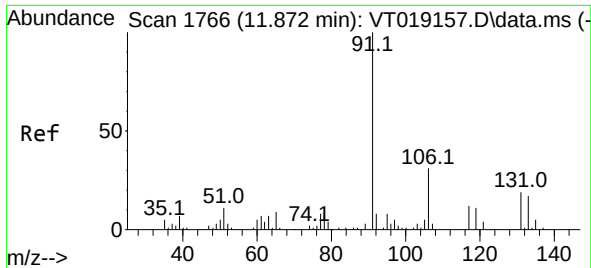
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#64  
Chlorobenzene  
Concen: 18.175 ug/l  
RT: 11.784 min Scan# 1751  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion:112 Resp: 55402  
Ion Ratio Lower Upper  
112 100  
114 32.3 23.6 35.4





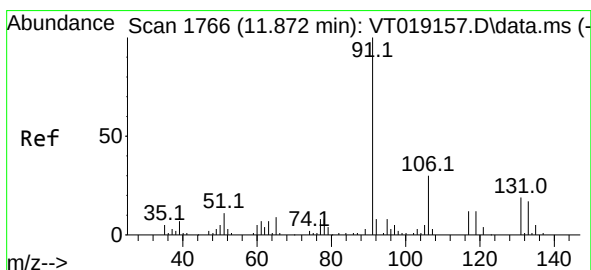
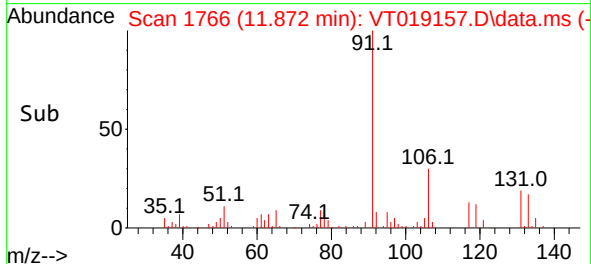
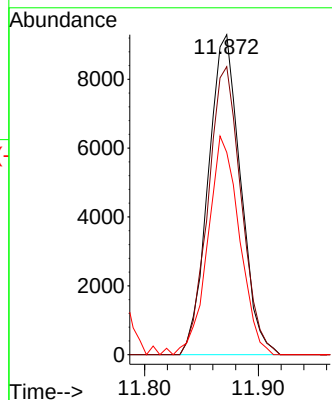
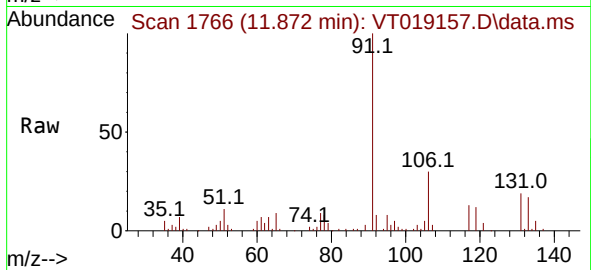
#65  
1,1,1,2-Tetrachloroethane  
Concen: 18.529 ug/l  
RT: 11.872 min Scan# 1766  
Delta R.T. 0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion:131 Resp: 18398  
Ion Ratio Lower Upper  
131 100  
133 92.1 0.0 188.2  
119 66.5 0.0 101.8

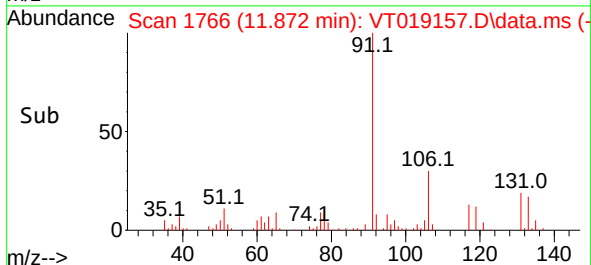
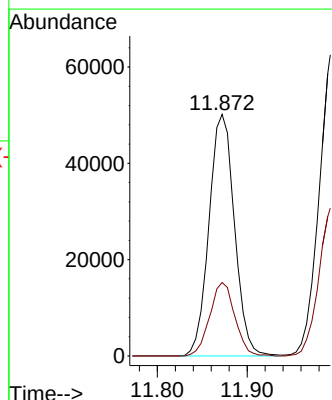
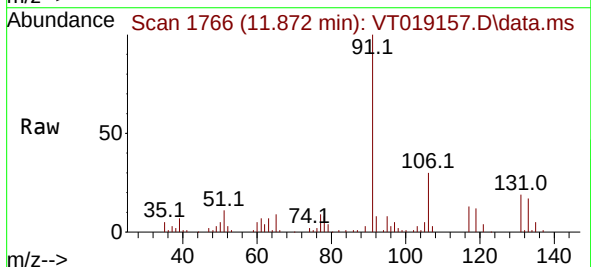
Manual Integrations  
APPROVED

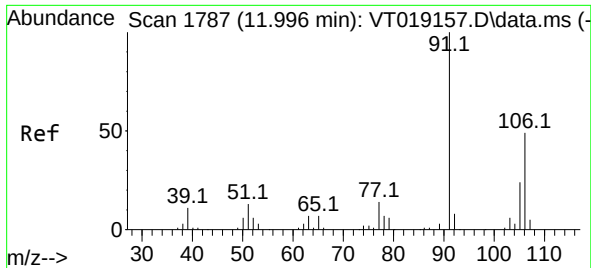
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#66  
Ethyl Benzene  
Concen: 18.213 ug/l  
RT: 11.872 min Scan# 1766  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion: 91 Resp: 98778  
Ion Ratio Lower Upper  
91 100  
106 30.4 25.1 37.7





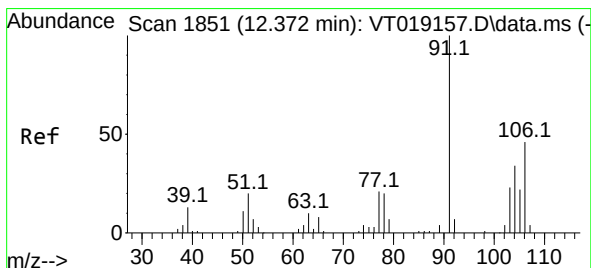
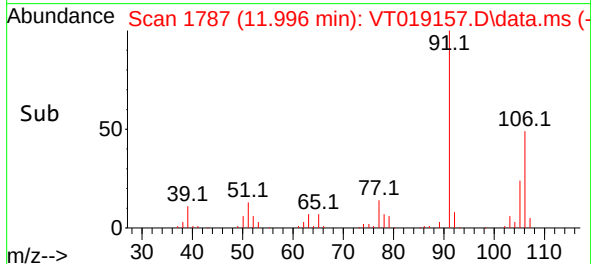
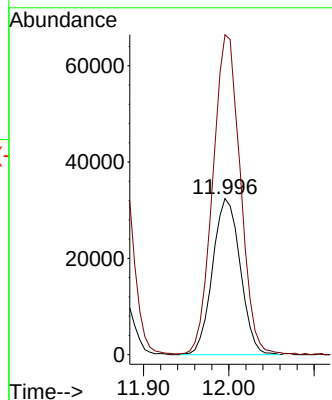
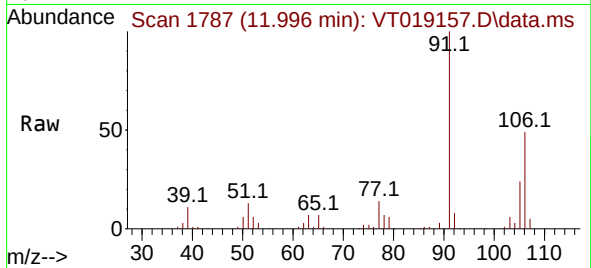
#67  
m/p-Xylenes  
Concen: 36.216 ug/l  
RT: 11.996 min Scan# 1787  
Delta R.T. 0.001 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion:106 Resp: 73010  
Ion Ratio Lower Upper  
106 100  
91 203.8 164.4 246.6

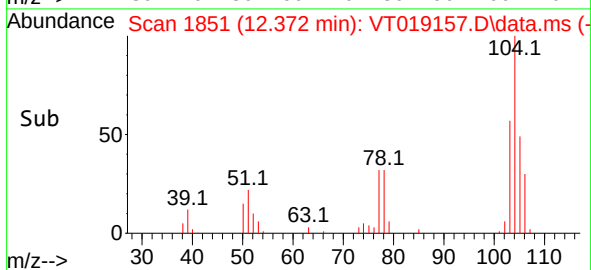
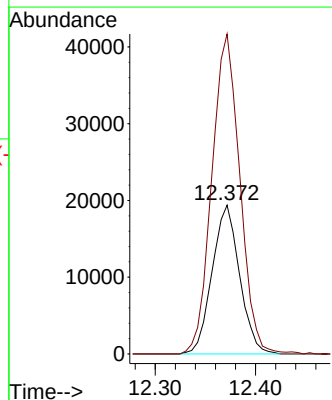
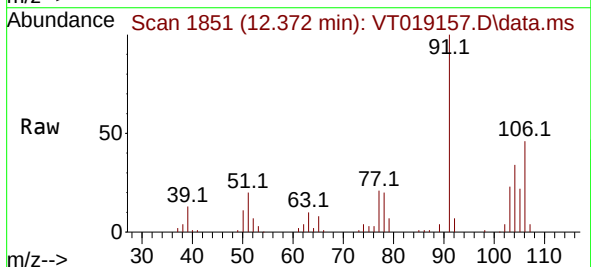
Manual Integrations  
APPROVED

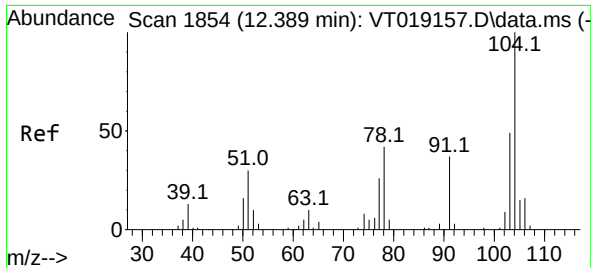
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#68  
o-Xylene  
Concen: 17.659 ug/l  
RT: 12.372 min Scan# 1851  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion:106 Resp: 36750  
Ion Ratio Lower Upper  
106 100  
91 219.3 111.3 333.8





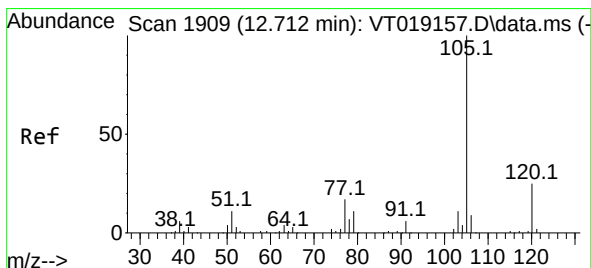
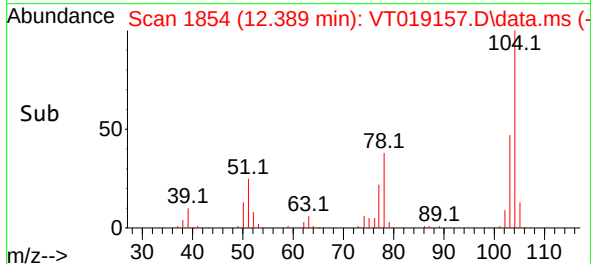
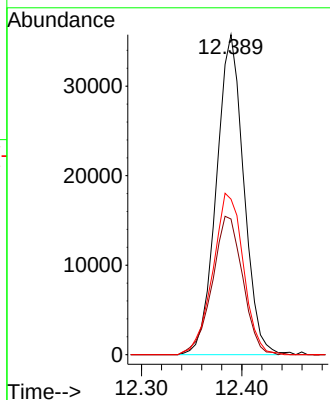
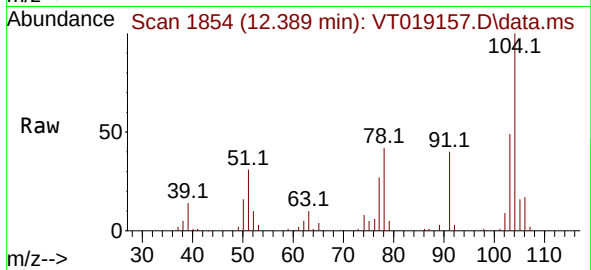
#69  
Styrene  
Concen: 18.093 ug/l  
RT: 12.389 min Scan# 1854  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion:104 Resp: 67599  
Ion Ratio Lower Upper  
104 100  
78 48.0 42.6 63.8  
103 56.2 43.5 65.3

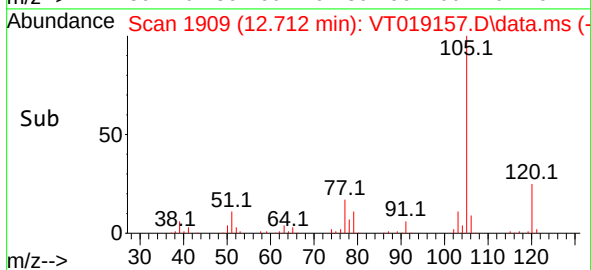
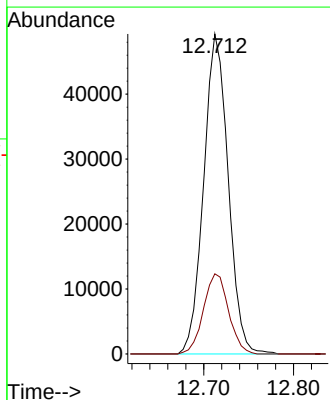
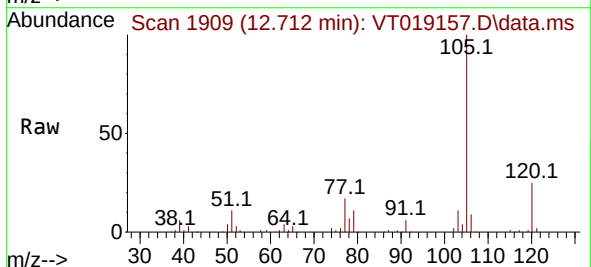
Manual Integrations  
APPROVED

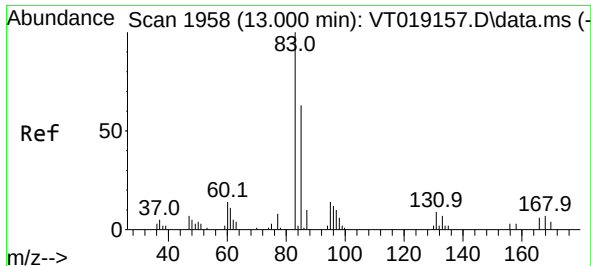
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#70  
Isopropylbenzene  
Concen: 18.300 ug/l  
RT: 12.712 min Scan# 1909  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion:105 Resp: 93410  
Ion Ratio Lower Upper  
105 100  
120 25.6 17.8 33.0





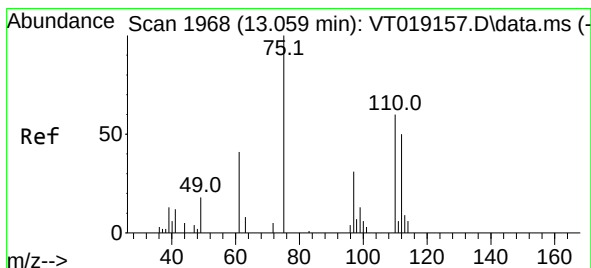
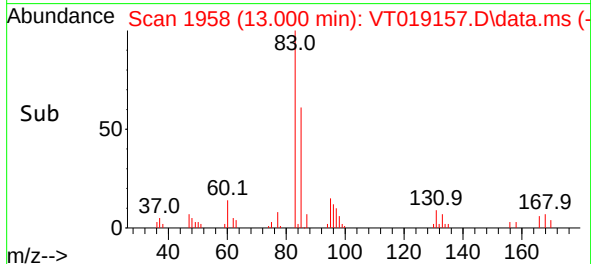
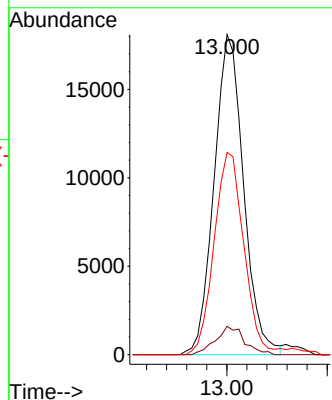
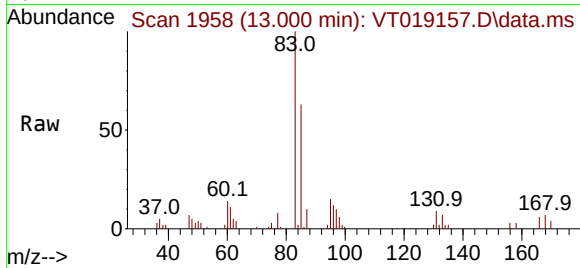
#71  
1,1,2,2-Tetrachloroethane  
Concen: 18.428 ug/l  
RT: 13.000 min Scan# 1958  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 83 Resp: 36908  
Ion Ratio Lower Upper  
83 100  
131 8.6 6.0 18.0  
85 63.4 32.3 96.9

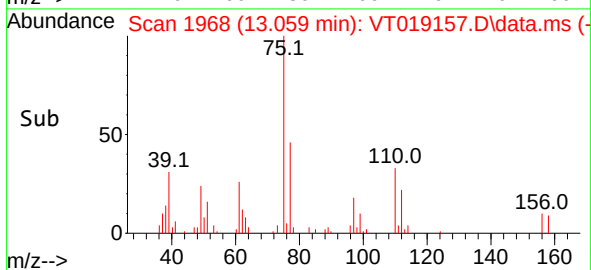
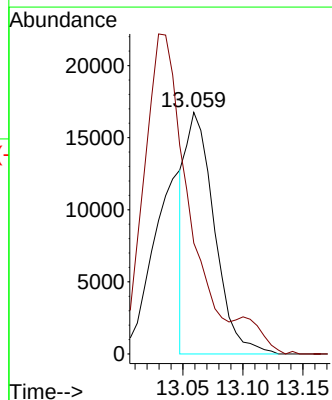
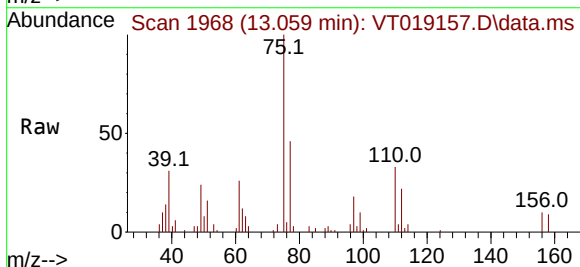
Manual Integrations  
APPROVED

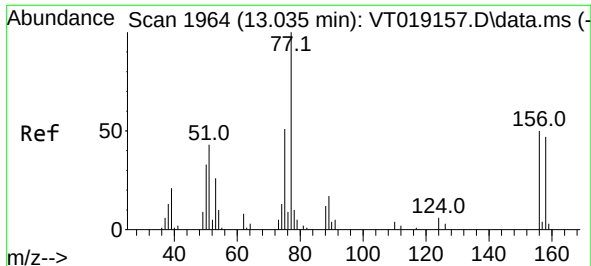
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#72  
1,2,3-Trichloropropane  
Concen: 17.828 ug/l m  
RT: 13.059 min Scan# 1968  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

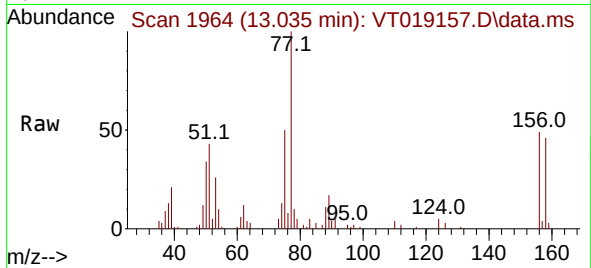
Tgt Ion: 75 Resp: 28142  
Ion Ratio Lower Upper  
75 100  
77 200.1 0.0 74.2#





#73  
Bromobenzene  
Concen: 18.000 ug/l  
RT: 13.035 min Scan# 1964  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

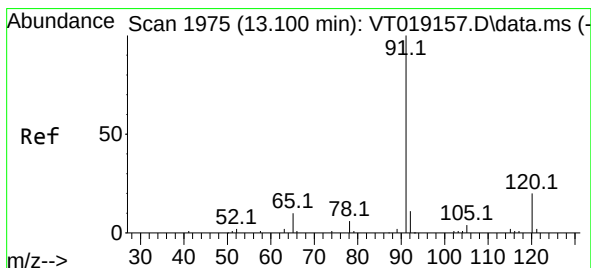
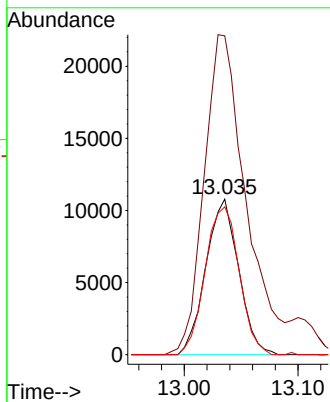
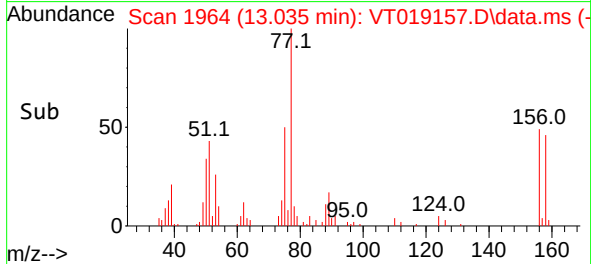
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion:156 Resp: 21600  
Ion Ratio Lower Upper  
156 100  
77 260.6 0.0 340.8  
158 98.8 0.0 189.0

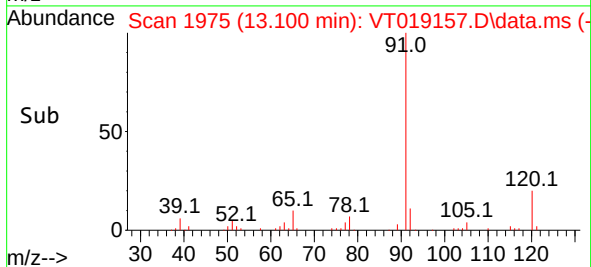
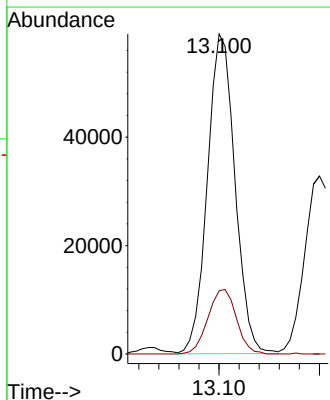
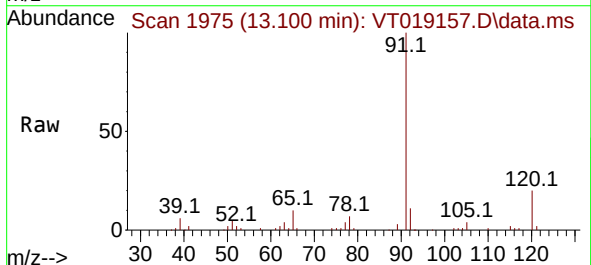
Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025

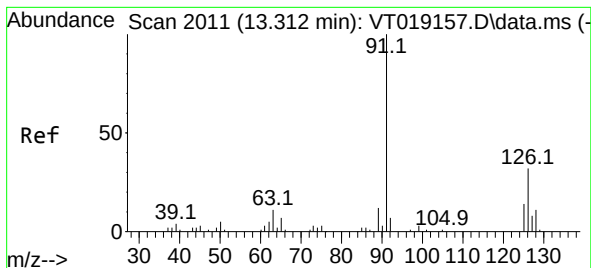


#74  
n-propylbenzene  
Concen: 18.289 ug/l  
RT: 13.100 min Scan# 1975  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion: 91 Resp: 112568  
Ion Ratio Lower Upper  
91 100  
120 20.7 0.0 44.4







#75

2-Chlorotoluene

Concen: 18.217 ug/l

RT: 13.312 min Scan# 2011

Delta R.T. -0.000 min

Lab File: VT019157.D

Acq: 22 Oct 2025 14:34

Instrument :

MSVOA\_T

ClientSampleId :

VSTDICCC020

Tgt Ion: 91 Resp: 68644

Ion Ratio Lower Upper

91 100

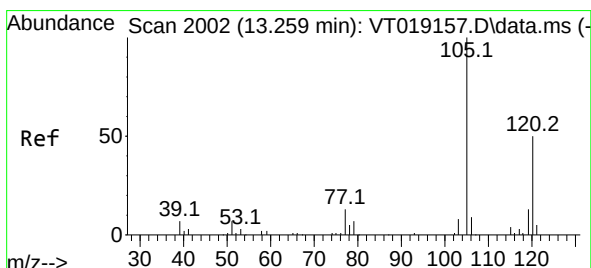
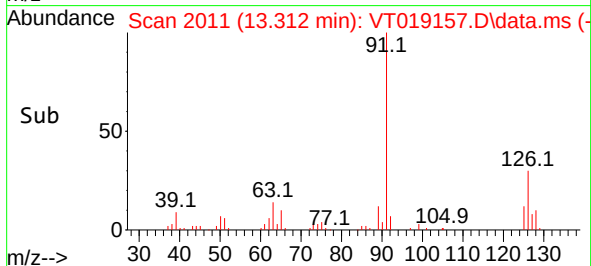
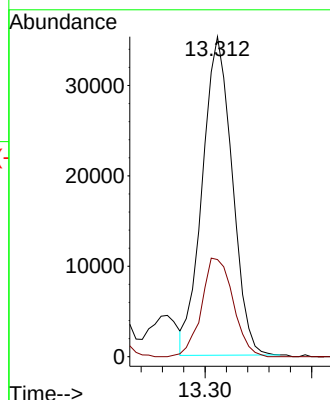
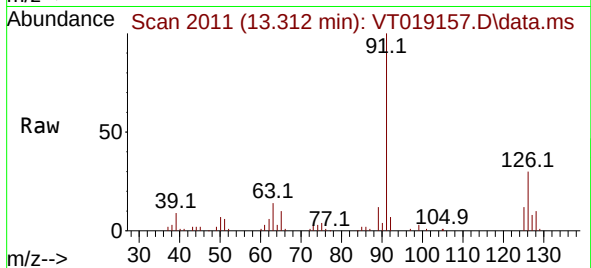
126 32.7 0.0 63.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#76

1,3,5-Trimethylbenzene

Concen: 18.114 ug/l

RT: 13.259 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VT019157.D

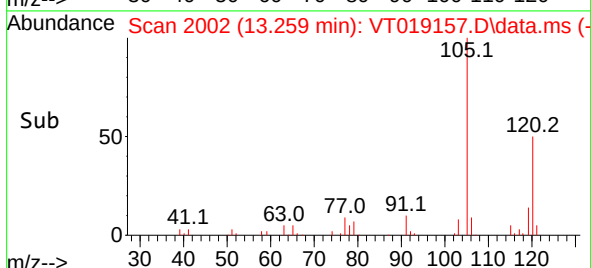
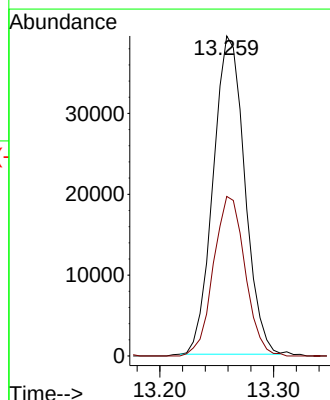
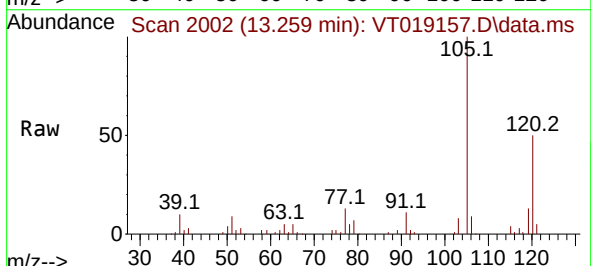
Acq: 22 Oct 2025 14:34

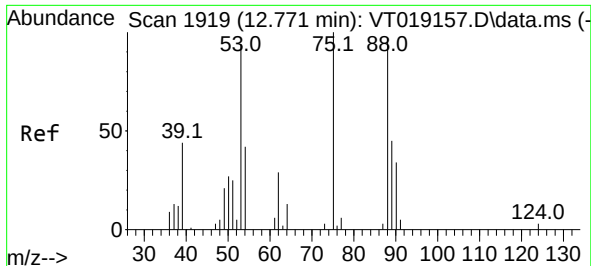
Tgt Ion:105 Resp: 75855

Ion Ratio Lower Upper

105 100

120 50.2 0.0 93.0





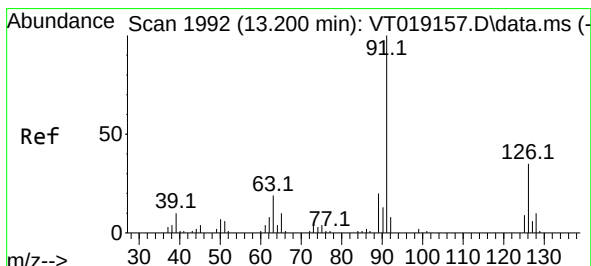
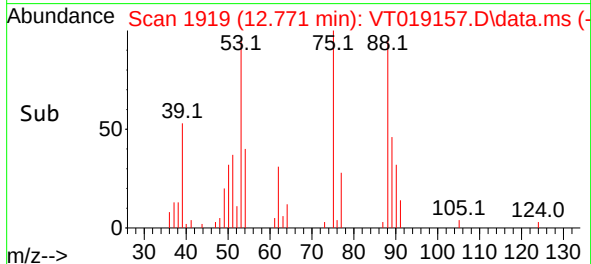
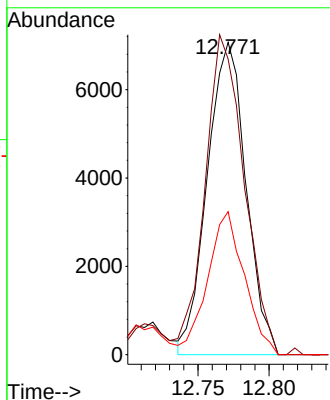
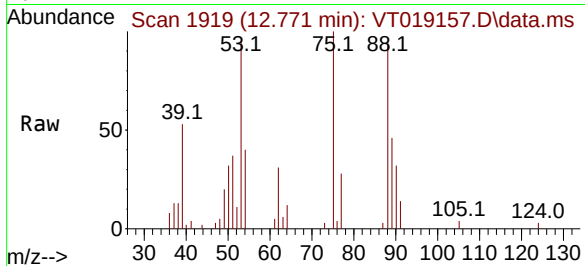
#77  
t-1,4-Dichloro-2-butene  
Concen: 18.658 ug/l  
RT: 12.771 min Scan# 1919  
Delta R.T. 0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 75 Resp: 1340  
Ion Ratio Lower Upper  
75 100  
53 94.7 48.4 145.2  
89 45.8 33.8 101.3

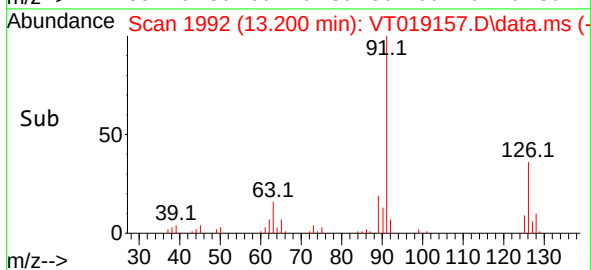
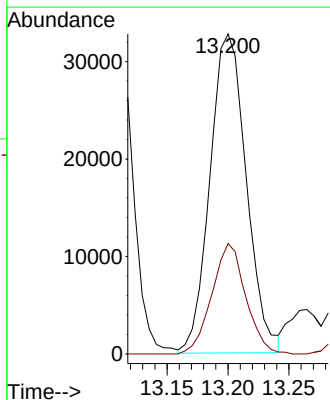
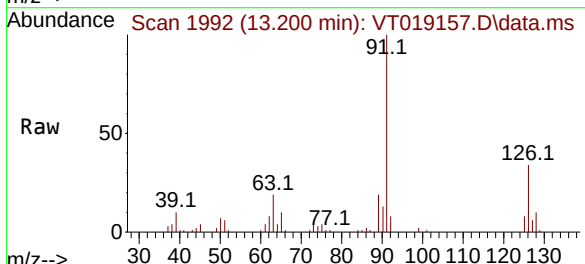
Manual Integrations  
APPROVED

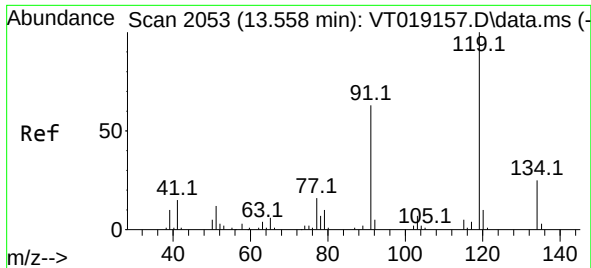
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#78  
4-Chlorotoluene  
Concen: 18.303 ug/l  
RT: 13.200 min Scan# 1992  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion: 91 Resp: 68030  
Ion Ratio Lower Upper  
91 100  
126 32.2 0.0 57.2





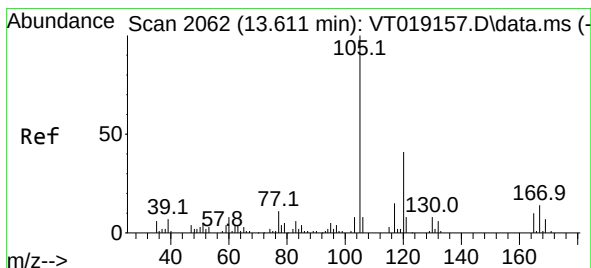
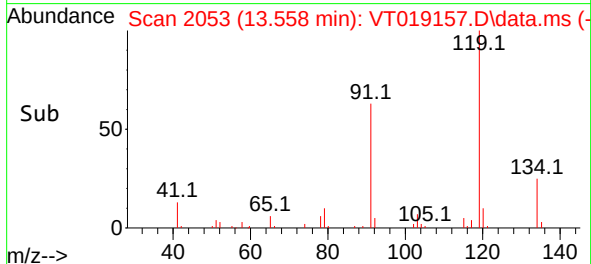
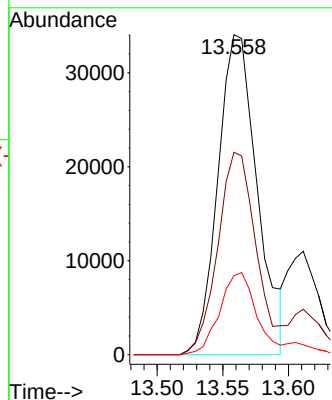
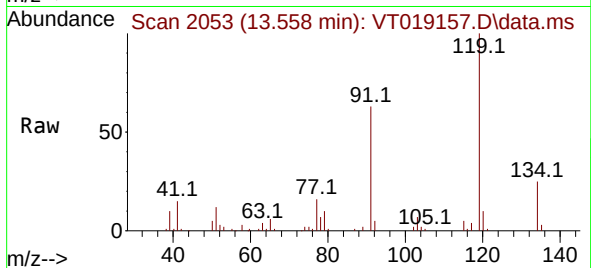
#79  
tert-butylbenzene  
Concen: 19.086 ug/l  
RT: 13.558 min Scan# 2053  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion:119 Resp: 70986  
Ion Ratio Lower Upper  
119 100  
91 60.3 0.0 120.6  
134 23.8 0.0 46.0

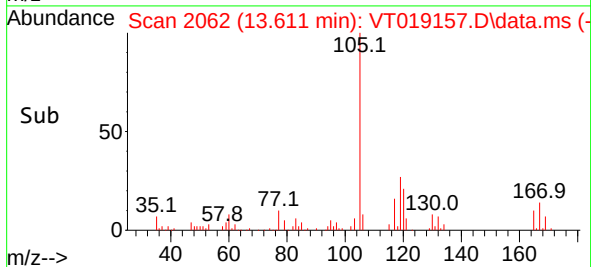
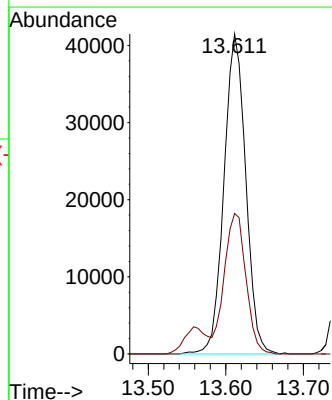
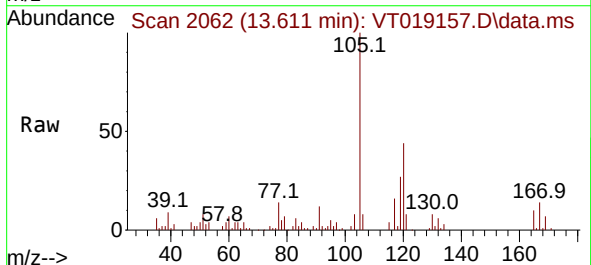
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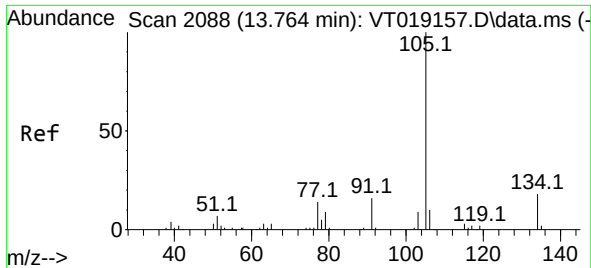
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#80  
1,2,4-Trimethylbenzene  
Concen: 18.555 ug/l  
RT: 13.611 min Scan# 2062  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion:105 Resp: 81071  
Ion Ratio Lower Upper  
105 100  
120 43.5 0.0 88.6





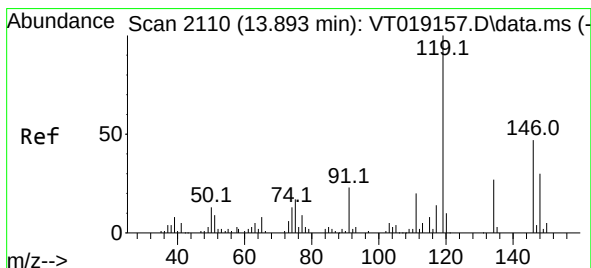
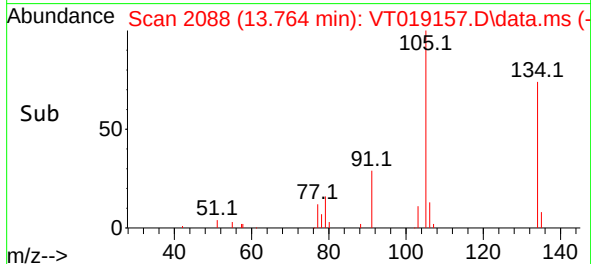
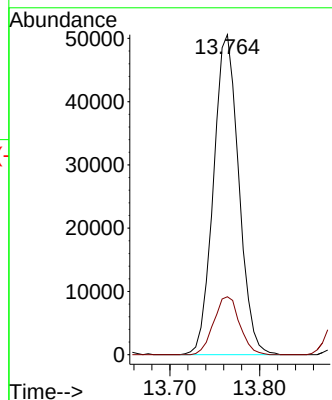
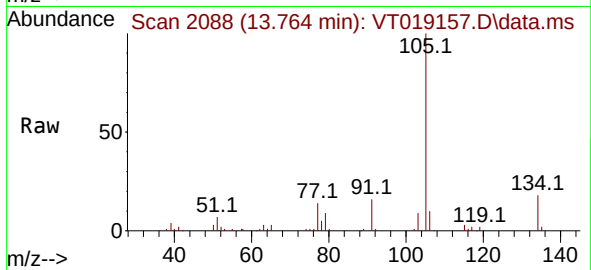
#81  
 sec-Butylbenzene  
 Concen: 18.455 ug/l  
 RT: 13.764 min Scan# 2088  
 Delta R.T. 0.000 min  
 Lab File: VT019157.D  
 Acq: 22 Oct 2025 14:34

Instrument :  
 MSVOA\_T  
 ClientSampleId :  
 VSTDICCC020

Tgt Ion:105 Resp: 98904  
 Ion Ratio Lower Upper  
 105 100  
 134 18.6 0.0 39.4

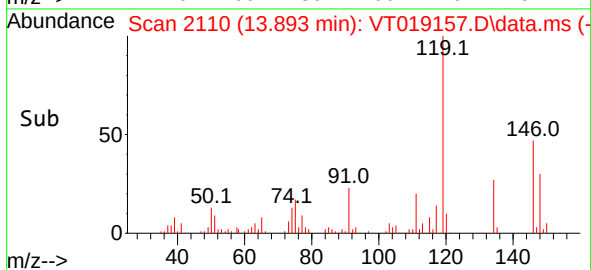
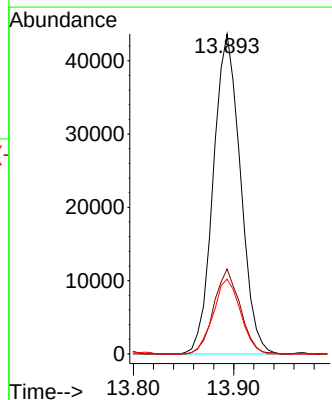
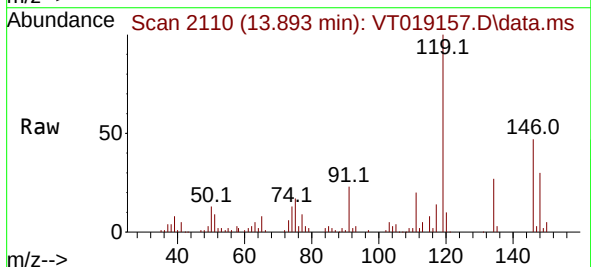
Manual Integrations  
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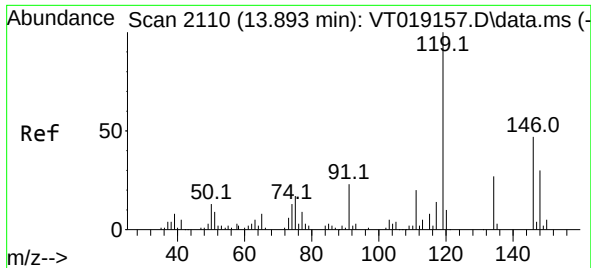
Reviewed By :John Carlone 10/24/2025  
 Supervised By :Mahesh Dadoda 10/27/2025



#82  
 p-Isopropyltoluene  
 Concen: 18.368 ug/l  
 RT: 13.893 min Scan# 2110  
 Delta R.T. 0.000 min  
 Lab File: VT019157.D  
 Acq: 22 Oct 2025 14:34

Tgt Ion:119 Resp: 81893  
 Ion Ratio Lower Upper  
 119 100  
 134 25.8 0.0 50.8  
 91 23.6 0.0 51.0





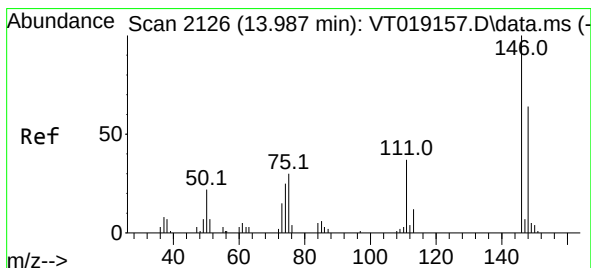
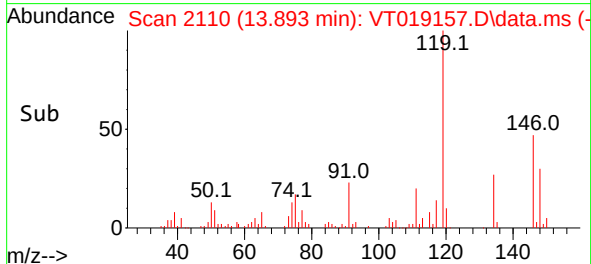
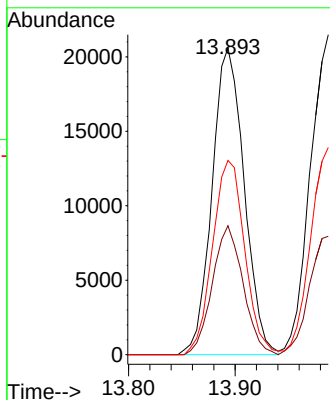
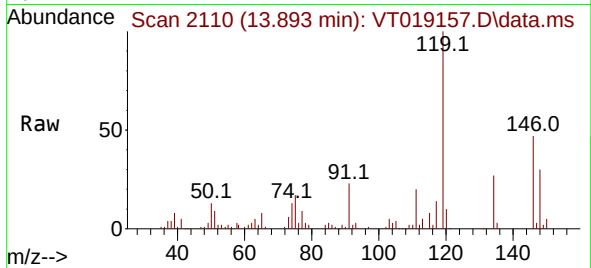
#83  
1,3-Dichlorobenzene  
Concen: 18.321 ug/l  
RT: 13.893 min Scan# 2110  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion:146 Resp: 43129  
Ion Ratio Lower Upper  
146 100  
111 40.2 20.7 62.1  
148 63.5 31.8 95.3

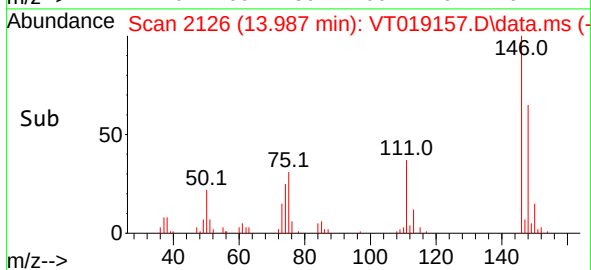
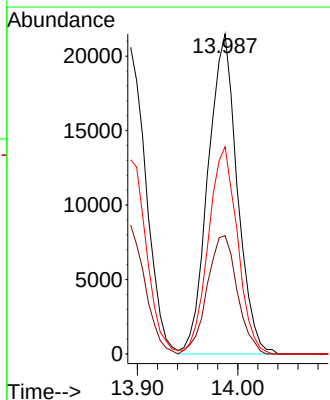
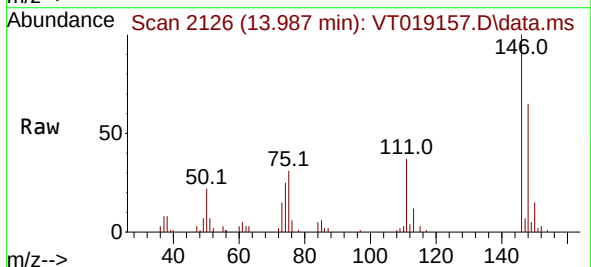
Manual Integrations  
APPROVED

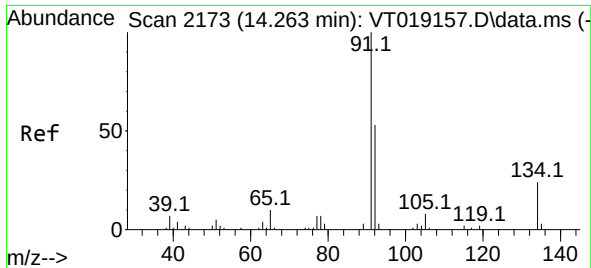
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#84  
1,4-Dichlorobenzene  
Concen: 18.344 ug/l  
RT: 13.987 min Scan# 2126  
Delta R.T. 0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion:146 Resp: 43478  
Ion Ratio Lower Upper  
146 100  
111 38.1 20.4 61.3  
148 64.3 32.3 96.8





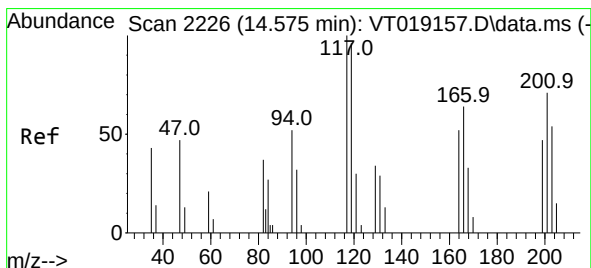
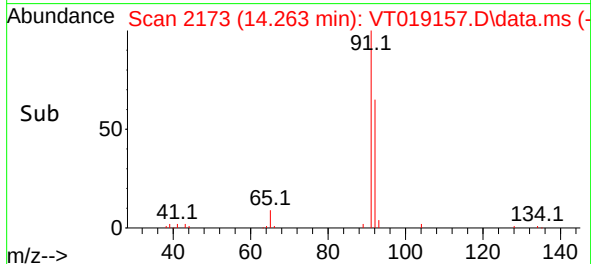
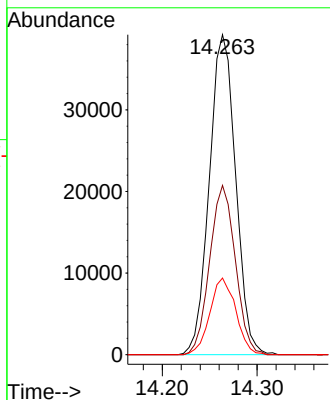
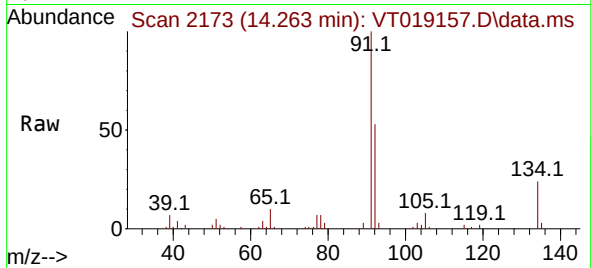
#85  
n-Butylbenzene  
Concen: 18.568 ug/l  
RT: 14.263 min Scan# 2173  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 91 Resp: 75764  
Ion Ratio Lower Upper  
91 100  
92 51.5 0.0 107.8  
134 23.6 0.0 50.0

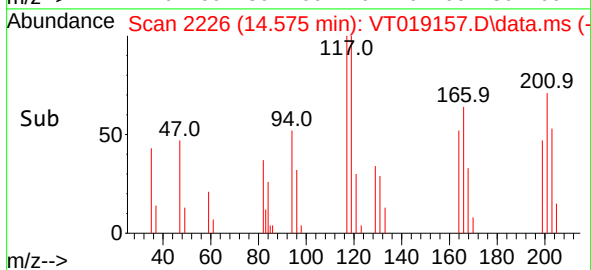
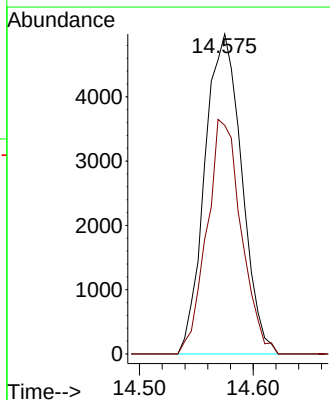
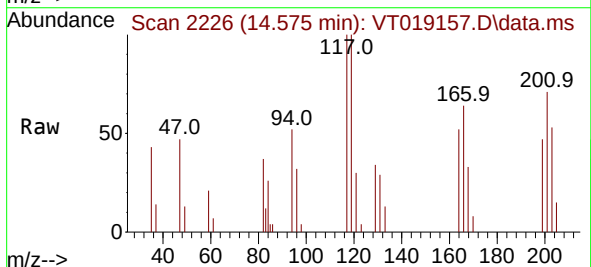
Manual Integrations  
APPROVED

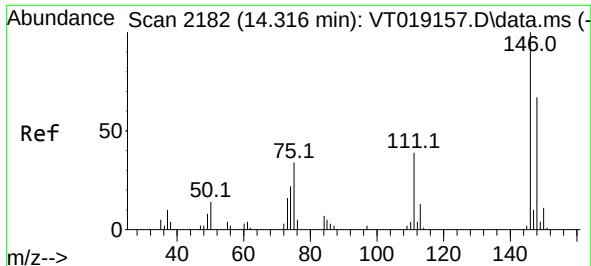
Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#86  
Hexachloroethane  
Concen: 18.767 ug/l  
RT: 14.575 min Scan# 2226  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion:117 Resp: 11213  
Ion Ratio Lower Upper  
117 100  
201 68.5 0.5 1.5#





#87

1,2-Dichlorobenzene

Concen: 18.458 ug/l

RT: 14.316 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VT019157.D

Acq: 22 Oct 2025 14:34

Instrument :

MSVOA\_T

ClientSampleId :

VSTDICCC020

Tgt Ion:146 Resp: 4340

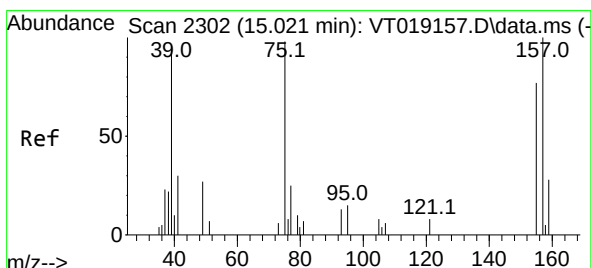
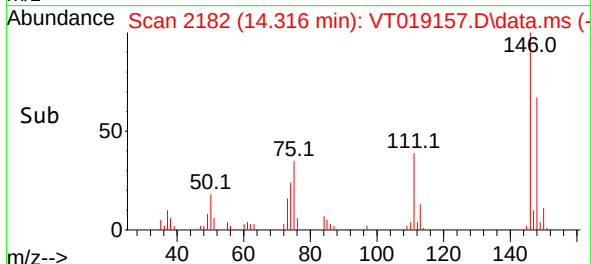
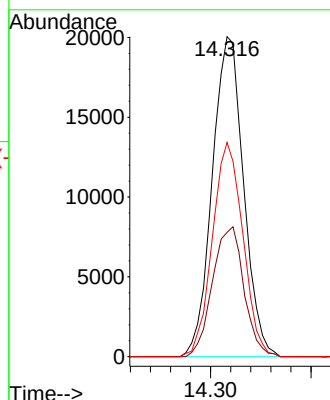
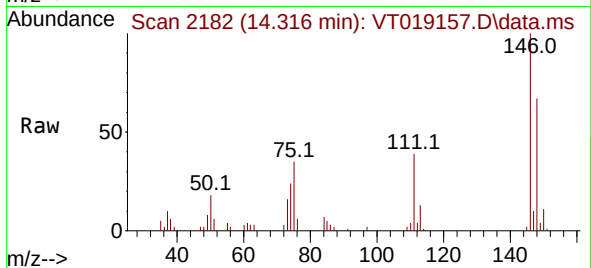
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 40.7  | 21.8  | 65.3  |
| 148 | 65.3  | 32.4  | 97.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.381 ug/l

RT: 15.021 min Scan# 2302

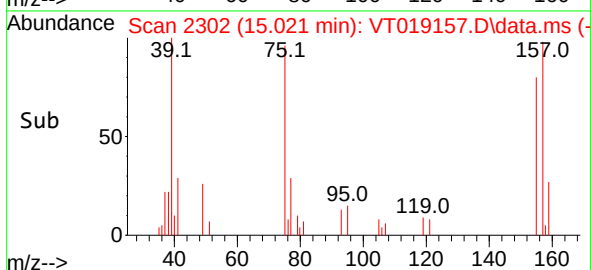
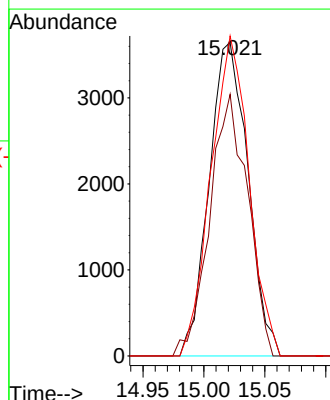
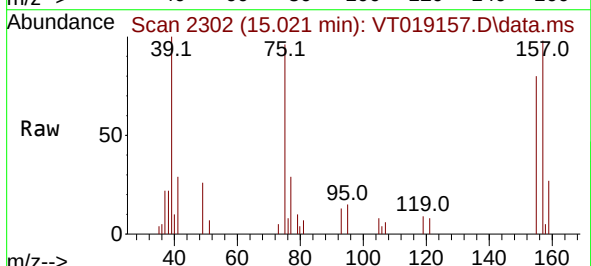
Delta R.T. 0.000 min

Lab File: VT019157.D

Acq: 22 Oct 2025 14:34

Tgt Ion: 75 Resp: 8088

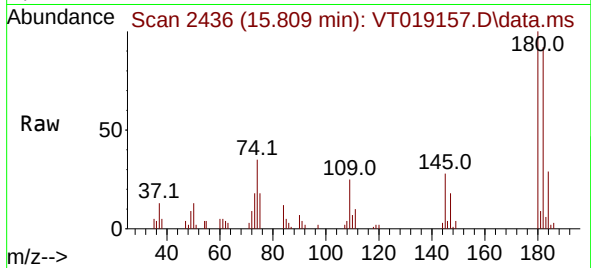
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 81.4  | 65.4  | 98.2  |
| 157 | 100.0 | 82.0  | 123.0 |





#89  
1,2,4-Trichlorobenzene  
Concen: 18.297 ug/l  
RT: 15.809 min Scan# 2436  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

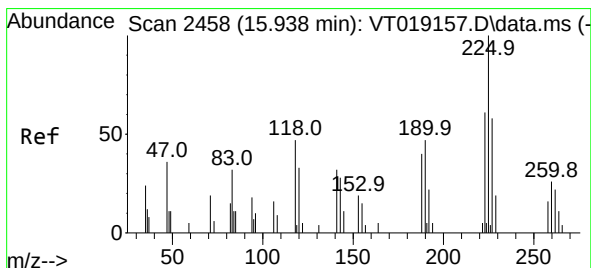
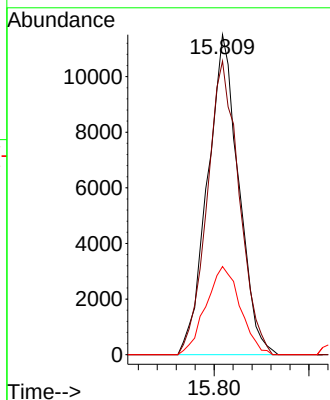
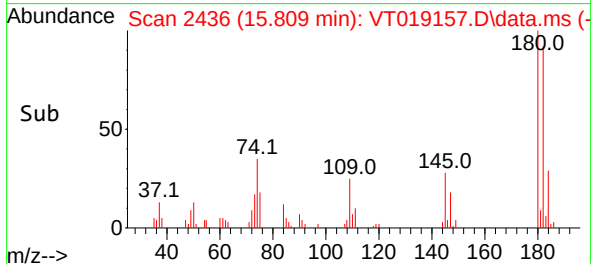
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion:180 Resp: 2619  
Ion Ratio Lower Upper  
180 100  
182 94.6 78.2 117.2  
145 30.4 26.5 39.7

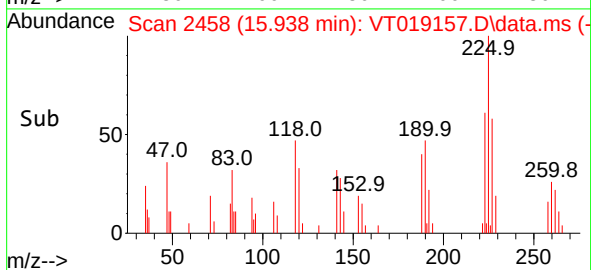
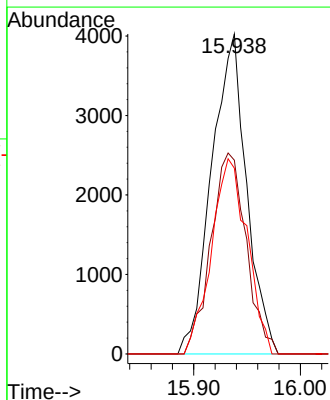
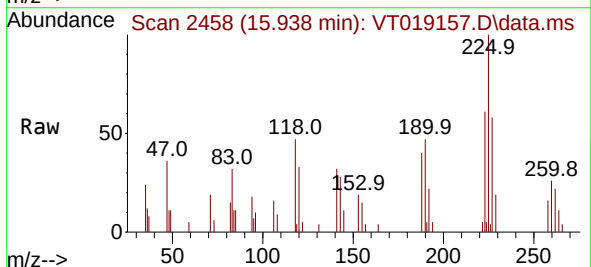
Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025

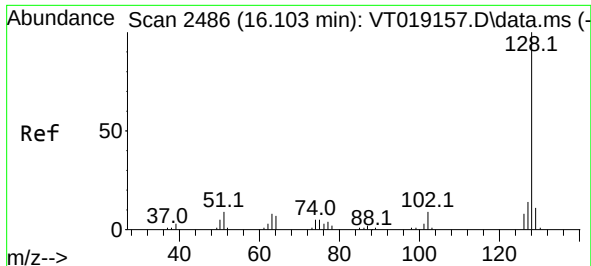


#90  
Hexachlorobutadiene  
Concen: 19.289 ug/l  
RT: 15.938 min Scan# 2458  
Delta R.T. 0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion:225 Resp: 9156  
Ion Ratio Lower Upper  
225 100  
223 63.6 0.0 73.8  
227 62.5 0.0 130.6

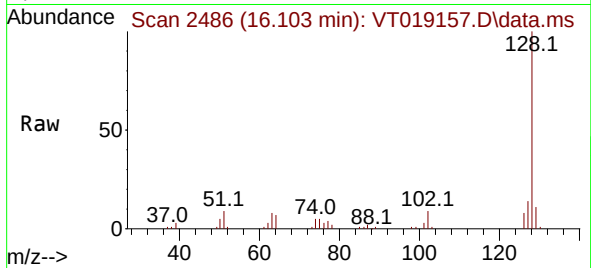






#91  
Naphthalene  
Concen: 18.209 ug/l  
RT: 16.103 min Scan# 2486  
Delta R.T. 0.006 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

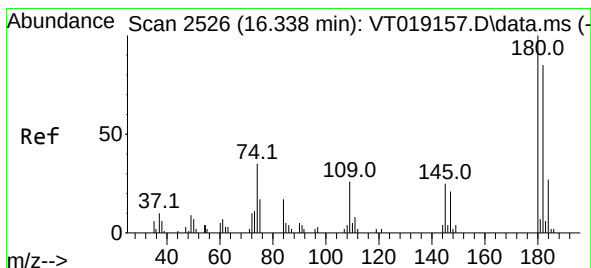
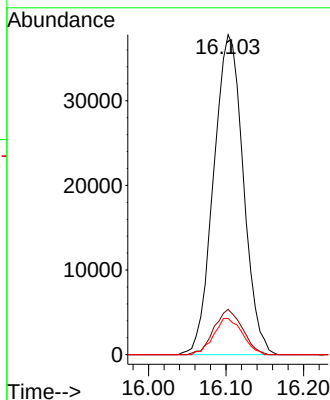
Instrument :  
MSVOA\_T  
ClientSampleId :  
VSTDICCC020



Tgt Ion:128 Resp: 10076  
Ion Ratio Lower Upper  
128 100  
127 13.7 10.3 15.5  
129 11.0 9.0 13.4

Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/24/2025  
Supervised By :Mahesh Dadoda 10/27/2025



#92  
1,2,3-Trichlorobenzene  
Concen: 18.678 ug/l  
RT: 16.338 min Scan# 2526  
Delta R.T. -0.000 min  
Lab File: VT019157.D  
Acq: 22 Oct 2025 14:34

Tgt Ion:180 Resp: 26991  
Ion Ratio Lower Upper  
180 100  
182 92.6 0.0 189.0  
145 30.5 0.0 69.2

