

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022625\  
 Data File : VX045055.D  
 Acq On : 26 Feb 2025 16:33  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/27/2025  
 Supervised By : Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 05:15:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X022125W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Feb 22 01:06:36 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon     | Response | Conc    | Units    | Dev(Min) |
|------------------------------|--------|----------|----------|---------|----------|----------|
| -----                        |        |          |          |         |          |          |
| Internal Standards           |        |          |          |         |          |          |
| 1) Bromochloromethane        | 4.897  | 128      | 16952    | 30.000  | ug/l     | 0.01     |
| 28) 1,4-Difluorobenzene      | 6.757  | 114      | 90340    | 30.000  | ug/l     | 0.00     |
| 57) Chlorobenzene-d5         | 10.049 | 117      | 83437    | 30.000  | ug/l     | 0.00     |
|                              |        |          |          |         |          |          |
| System Monitoring Compounds  |        |          |          |         |          |          |
| 27) 1,2-Dichloroethane-d4    | 5.946  | 65       | 48782    | 29.628  | ug/l     | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 110 | Recovery | =       | 98.767%  |          |
| 60) 4-Bromofluorobenzene     | 11.079 | 95       | 47194    | 30.261  | ug/l     | 0.00     |
| Spiked Amount 30.000         | Range  | 63 - 112 | Recovery | =       | 100.867% |          |
| 63) Toluene-d8               | 8.641  | 98       | 140254   | 30.385  | ug/l     | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 112 | Recovery | =       | 101.300% |          |
|                              |        |          |          |         |          |          |
| Target Compounds             |        |          |          |         |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166  | 85       | 23383    | 16.363  | ug/l     | 96       |
| 3) Chloromethane             | 1.307  | 50       | 28184    | 16.466  | ug/l     | 99       |
| 4) Vinyl Chloride            | 1.374  | 62       | 27650    | 16.741  | ug/l     | 95       |
| 5) Bromomethane              | 1.599  | 94       | 14873    | 25.870  | ug/l     | 97       |
| 6) Chloroethane              | 1.685  | 64       | 16973    | 18.974  | ug/l     | 97       |
| 7) Trichlorofluoromethane    | 1.886  | 101      | 40918    | 18.433  | ug/l     | 92       |
| 8) Diethyl Ether             | 2.130  | 74       | 14607    | 17.392  | ug/l     | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.325  | 101      | 23776    | 18.034  | ug/l     | 99       |
| 10) 1,1-Dichloroethene       | 2.312  | 96       | 23122    | 17.955  | ug/l     | 90       |
| 11) Methyl Iodide            | 2.447  | 142      | 24875    | 17.067  | ug/l     | 96       |
| 12) Methyl Acetate           | 2.703  | 43       | 31916    | 21.343  | ug/l     | 99       |
| 13) Acrolein                 | 2.233  | 56       | 37685    | 125.726 | ug/l     | 100      |
| 14) Acrylonitrile            | 3.056  | 53       | 71425    | 97.785  | ug/l     | 98       |
| 15) Acetone                  | 2.373  | 58       | 19036    | 95.025  | ug/l     | 99       |
| 16) Carbon Disulfide         | 2.508  | 76       | 59451    | 16.276  | ug/l     | 99       |
| 17) Allyl chloride           | 2.660  | 41       | 42013    | 17.443  | ug/l     | 98       |
| 18) Methylene Chloride       | 2.782  | 84       | 25230    | 17.419  | ug/l     | 97       |
| 19) trans-1,2-Dichloroethene | 3.087  | 96       | 23065    | 17.703  | ug/l     | 99       |
| 20) Diisopropyl ether        | 3.751  | 45       | 80260    | 17.341  | ug/l     | 98       |
| 21) 1,1-Dichloroethane       | 3.605  | 63       | 45263    | 17.584  | ug/l     | 100      |
| 22) cis-1,2-Dichloroethene   | 4.477  | 96       | 27177    | 17.407  | ug/l     | 99       |
| 23) tert-Butyl Alcohol       | 2.953  | 59       | 24650    | 96.668  | ug/l #   | 100      |
| 24) Methyl tert-Butyl Ether  | 3.111  | 73       | 73549    | 17.499  | ug/l     | 99       |
| 25) Chloroform               | 5.074  | 83       | 44617    | 17.945  | ug/l     | 97       |
| 26) Cyclohexane              | 5.458  | 56       | 40859    | 17.197  | ug/l #   | 97       |
| 29) 1,1-Dichloropropene      | 5.678  | 75       | 29736    | 17.894  | ug/l     | 99       |
| 30) 2-Butanone               | 4.550  | 43       | 100519   | 104.723 | ug/l     | 100      |
| 31) 2,2-Dichloropropane      | 4.471  | 77       | 32431    | 17.259  | ug/l     | 99       |
| 32) 1,1,1-Trichloroethane    | 5.373  | 97       | 36738    | 18.246  | ug/l     | 99       |
| 33) Carbon Tetrachloride     | 5.666  | 117      | 31826    | 18.729  | ug/l     | 97       |
| 34) Benzene                  | 6.031  | 78       | 96387    | 18.495  | ug/l     | 96       |
| 35) Methacrylonitrile        | 4.910  | 41       | 19740    | 19.218  | ug/l     | 91       |
| 36) 1,2-Dichloroethane       | 6.080  | 62       | 34544    | 19.361  | ug/l     | 97       |
| 37) Trichloroethene          | 7.123  | 130      | 22172    | 18.186  | ug/l     | 97       |
| 38) Methylcyclohexane        | 7.373  | 83       | 40030    | 17.940  | ug/l     | 97       |
| 39) 1,2-Dichloropropane      | 7.421  | 63       | 24114    | 18.612  | ug/l     | 99       |
| 40) Dibromomethane           | 7.574  | 93       | 17072    | 18.362  | ug/l     | 96       |
| 41) Bromodichloromethane     | 7.818  | 83       | 35404    | 19.159  | ug/l     | 100      |
| 42) Vinyl Acetate            | 3.715  | 43       | 335315   | 90.023  | ug/l     | 100      |

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 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

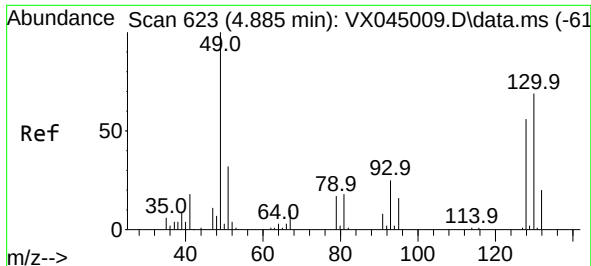
Reviewed By : John Carlone 02/27/2025  
 Supervised By : Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 05:15:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X022125W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Feb 22 01:06:36 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 4.708  | 43   | 35952    | 19.973  | ug/l  | 94       |
| 44) Isopropyl Acetate         | 6.330  | 43   | 55943    | 18.883  | ug/l  | 99       |
| 45) 1,4-Dioxane               | 7.653  | 88   | 12354    | 401.129 | ug/l  | 96       |
| 46) Methyl methacrylate       | 7.690  | 41   | 26023    | 17.913  | ug/l  | 96       |
| 47) n-amyl Acetate            | 10.841 | 43   | 47687    | 18.549  | ug/l  | 99       |
| 48) t-1,3-Dichloropropene     | 8.976  | 75   | 30428    | 17.083  | ug/l  | 99       |
| 49) cis-1,3-Dichloropropene   | 8.360  | 75   | 35212    | 17.464  | ug/l  | 100      |
| 50) 1,1,2-Trichloroethane     | 9.147  | 97   | 23850    | 19.666  | ug/l  | 94       |
| 51) Ethyl methacrylate        | 9.110  | 69   | 33339    | 17.480  | ug/l  | 99       |
| 52) 1,3-Dichloropropane       | 9.305  | 76   | 40564    | 19.089  | ug/l  | 99       |
| 53) Dibromochloromethane      | 9.518  | 129  | 25514    | 19.022  | ug/l  | 96       |
| 54) 1,2-Dibromoethane         | 9.604  | 107  | 23408    | 19.008  | ug/l  | 99       |
| 55) 2-Chloroethyl vinyl ether | 8.232  | 63   | 97635    | 99.683  | ug/l  | 99       |
| 56) Bromoform                 | 10.799 | 173  | 16630    | 19.786  | ug/l  | 98       |
| 58) 4-Methyl-2-Pentanone      | 8.567  | 43   | 195692   | 103.103 | ug/l  | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 144183   | 105.097 | ug/l  | 99       |
| 61) Tetrachloroethene         | 9.269  | 164  | 19469    | 18.949  | ug/l  | 95       |
| 62) Toluene                   | 8.714  | 91   | 100712   | 18.221  | ug/l  | 97       |
| 64) Chlorobenzene             | 10.073 | 112  | 63298    | 18.481  | ug/l  | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 20323    | 17.983  | ug/l  | 96       |
| 66) Ethyl Benzene             | 10.189 | 91   | 111285   | 18.391  | ug/l  | 99       |
| 67) m/p-Xylenes               | 10.299 | 106  | 83297    | 36.946  | ug/l  | 99       |
| 68) o-Xylene                  | 10.640 | 106  | 42057    | 19.012  | ug/l  | 95       |
| 69) Styrene                   | 10.652 | 104  | 68939    | 18.659  | ug/l  | 99       |
| 70) Isopropylbenzene          | 10.957 | 105  | 107193   | 18.778  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 37412    | 19.930  | ug/l  | 98       |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 30217m   | 19.571  | ug/l  |          |
| 73) Bromobenzene              | 11.195 | 156  | 24702    | 18.797  | ug/l  | 97       |
| 74) n-propylbenzene           | 11.299 | 91   | 125284   | 18.442  | ug/l  | 99       |
| 75) 2-Chlorotoluene           | 11.360 | 91   | 77381    | 18.841  | ug/l  | 99       |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 87828    | 18.649  | ug/l  | 97       |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 9712     | 18.696  | ug/l  | 89       |
| 78) 4-Chlorotoluene           | 11.451 | 91   | 85215    | 18.613  | ug/l  | 99       |
| 79) tert-butylbenzene         | 11.713 | 119  | 89645    | 18.892  | ug/l  | 99       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 87873    | 18.627  | ug/l  | 98       |
| 81) sec-Butylbenzene          | 11.890 | 105  | 112911   | 18.960  | ug/l  | 100      |
| 82) p-Isopropyltoluene        | 12.006 | 119  | 92010    | 19.068  | ug/l  | 98       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 45820    | 18.740  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 12.036 | 146  | 45686    | 18.950  | ug/l  | 98       |
| 85) n-Butylbenzene            | 12.329 | 91   | 79606    | 18.066  | ug/l  | 99       |
| 86) Hexachloroethane          | 12.536 | 117  | 16091    | 18.909  | ug/l  | 98       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 46554    | 19.405  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 6919     | 19.037  | ug/l  | 98       |
| 89) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 26534    | 18.248  | ug/l  | 96       |
| 90) Hexachlorobutadiene       | 13.719 | 225  | 11687    | 19.709  | ug/l  | 99       |
| 91) Naphthalene               | 13.774 | 128  | 93361    | 18.209  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 26596    | 17.767  | ug/l  | 99       |

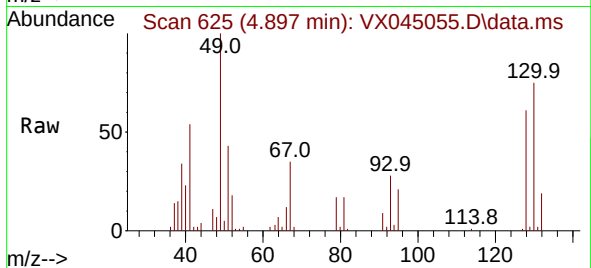
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
 Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 4.897 min Scan# 61  
 Delta R.T. 0.012 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

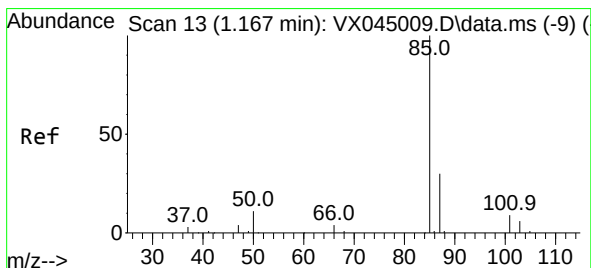
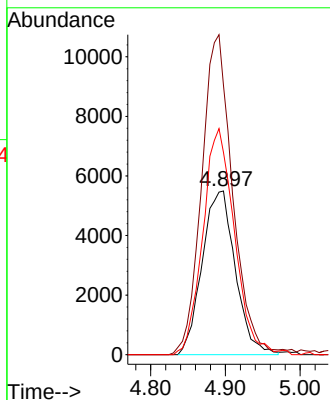
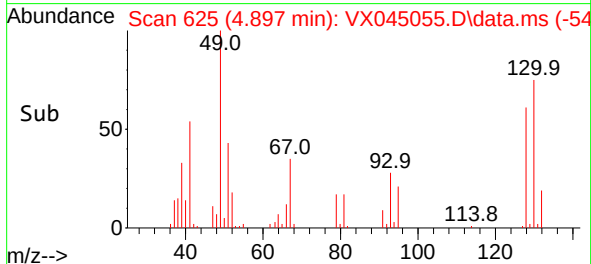
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC



Tgt Ion:128 Resp: 16952  
 Ion Ratio Lower Upper  
 128 100  
 49 181.9 0.0 449.7  
 130 131.4 0.0 312.7

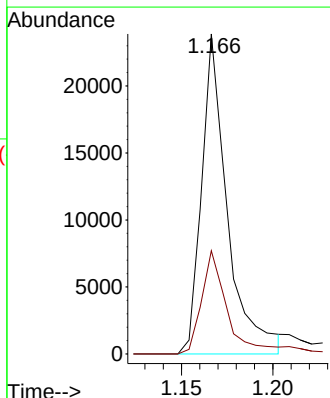
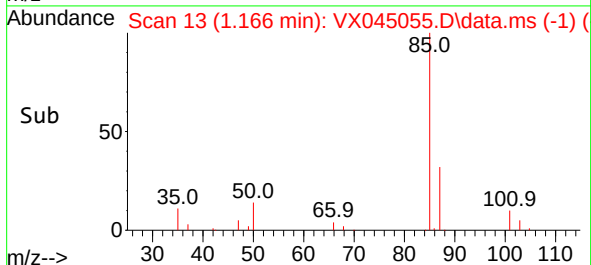
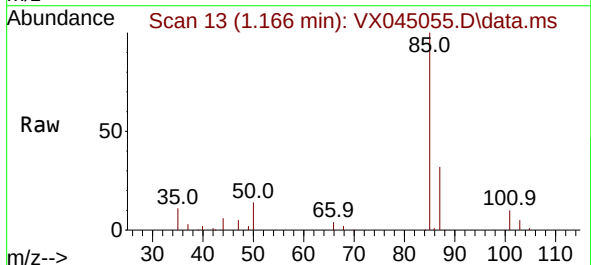
Manual Integrations  
 APPROVED

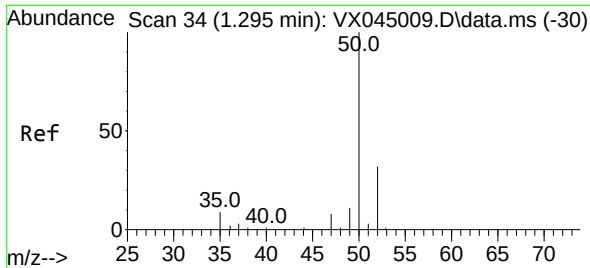
Reviewed By :John Carlone 02/27/2025  
 Supervised By :Mahesh Dadoda 02/27/2025



#2  
 Dichlorodifluoromethane  
 Concen: 16.363 ug/l  
 RT: 1.166 min Scan# 13  
 Delta R.T. -0.000 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

Tgt Ion: 85 Resp: 23383  
 Ion Ratio Lower Upper  
 85 100  
 87 32.2 15.1 45.3





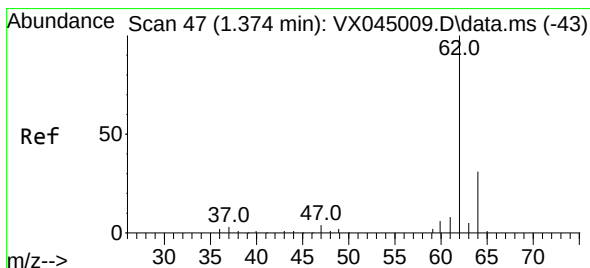
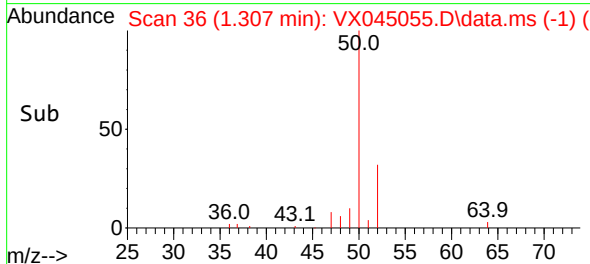
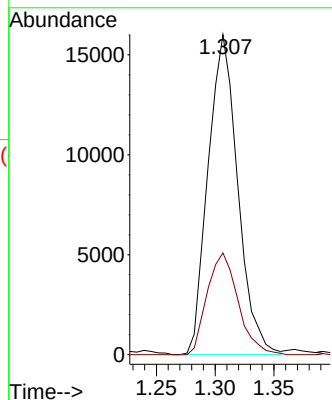
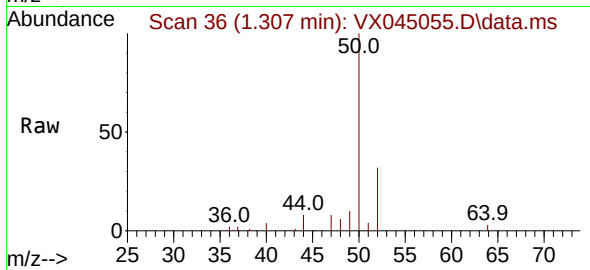
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Chloromethane  
Concen: 16.466 ug/l  
RT: 1.307 min Scan# 30  
Delta R.T. 0.012 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 50 Resp: 28184  
Ion Ratio Lower Upper  
50 100  
52 31.8 25.7 38.5

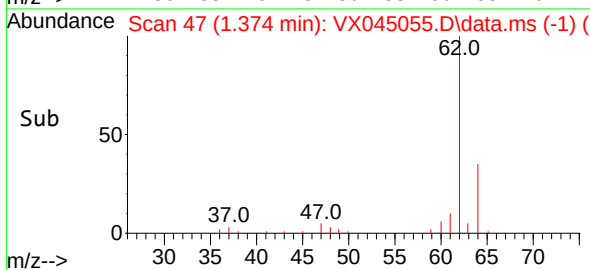
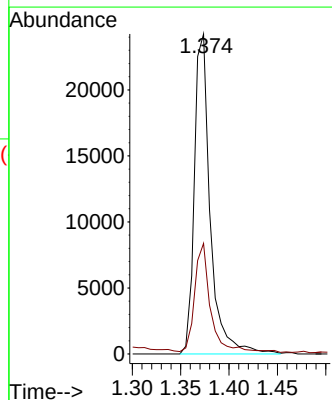
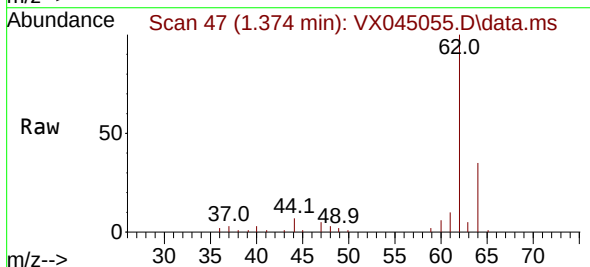
Manual Integrations  
APPROVED

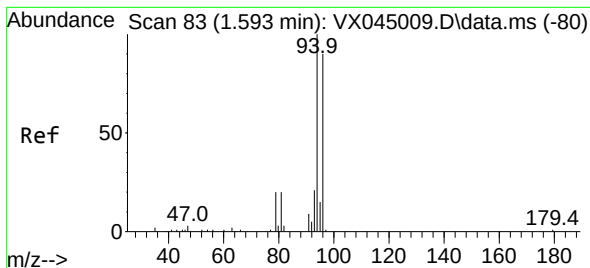
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#4  
Vinyl Chloride  
Concen: 16.741 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Tgt Ion: 62 Resp: 27650  
Ion Ratio Lower Upper  
62 100  
64 34.0 25.1 37.7





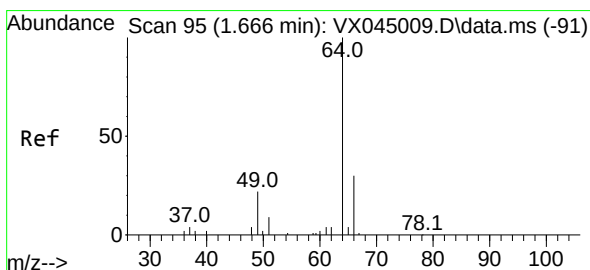
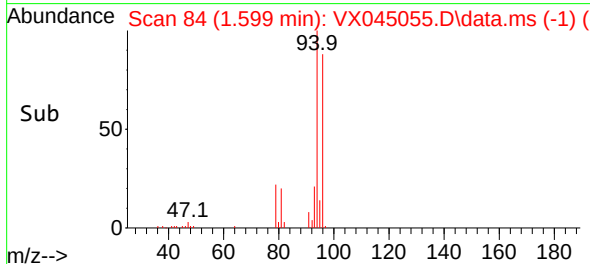
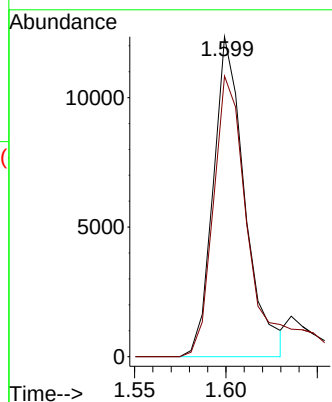
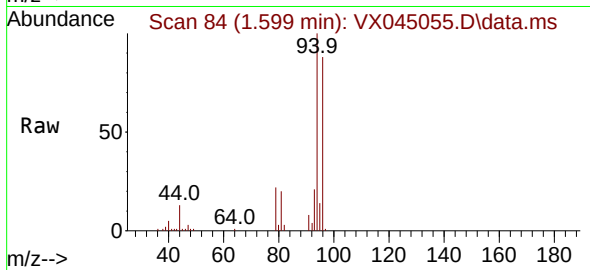
#5  
Bromomethane  
Concen: 25.870 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
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Tgt Ion: 94 Resp: 1487  
Ion Ratio Lower Upper  
94 100  
96 87.7 72.2 108.4

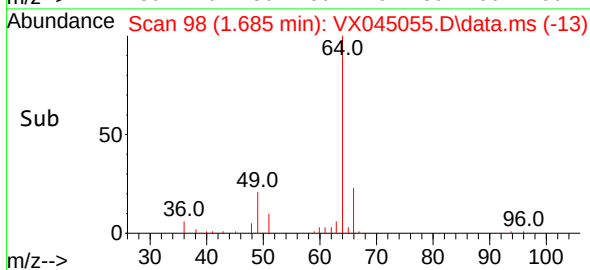
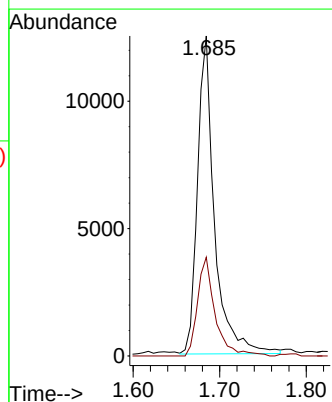
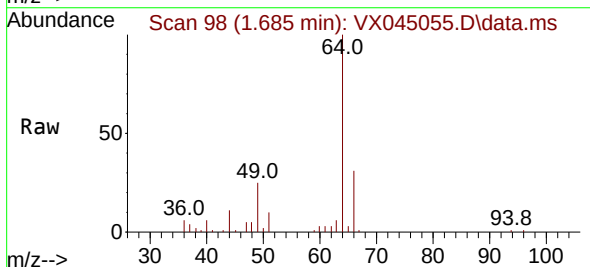
Manual Integrations  
APPROVED

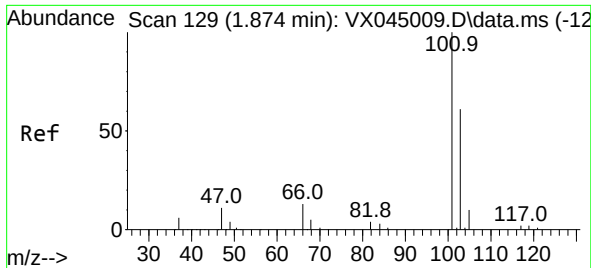
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#6  
Chloroethane  
Concen: 18.974 ug/l  
RT: 1.685 min Scan# 98  
Delta R.T. 0.018 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

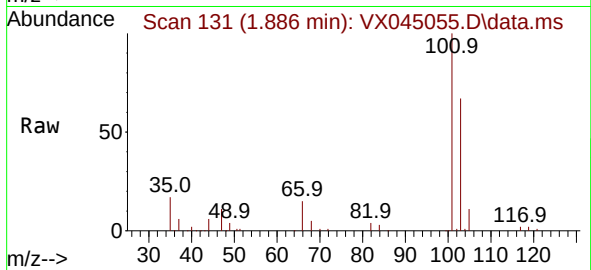
Tgt Ion: 64 Resp: 16973  
Ion Ratio Lower Upper  
64 100  
66 31.1 23.7 35.5





#7  
 Trichlorofluoromethane  
 Concen: 18.433 ug/l  
 RT: 1.886 min Scan# 11  
 Delta R.T. 0.012 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

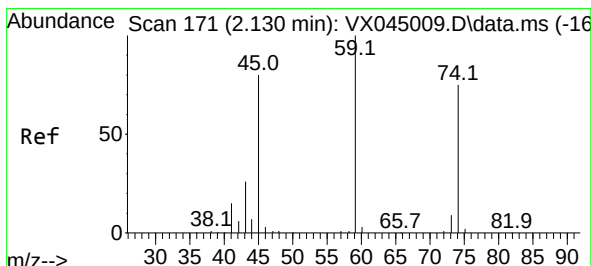
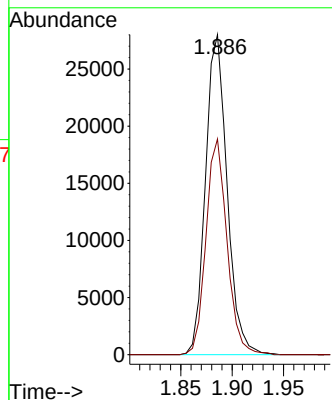
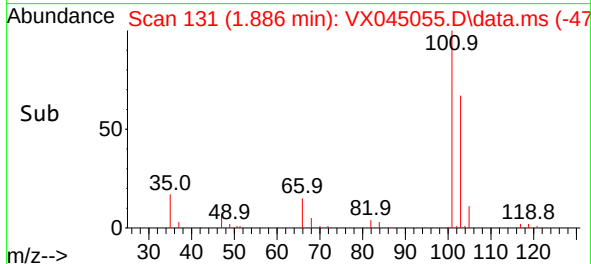
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC



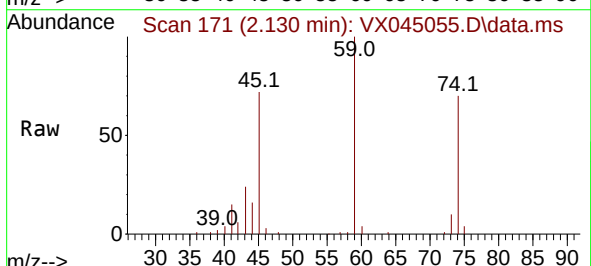
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 Ion Ratio Lower Upper  
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 103 67.4 48.8 73.2

Manual Integrations  
 APPROVED

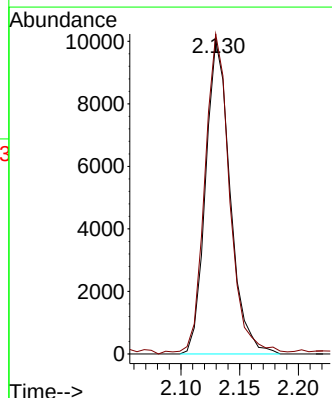
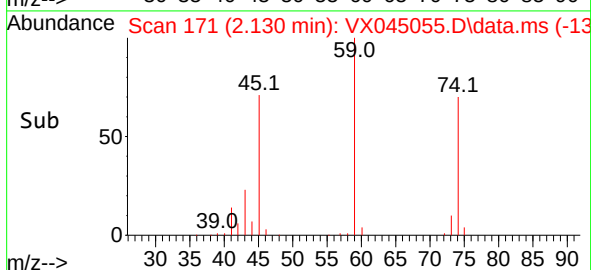
Reviewed By :John Carlone 02/27/2025  
 Supervised By :Mahesh Dadoda 02/27/2025

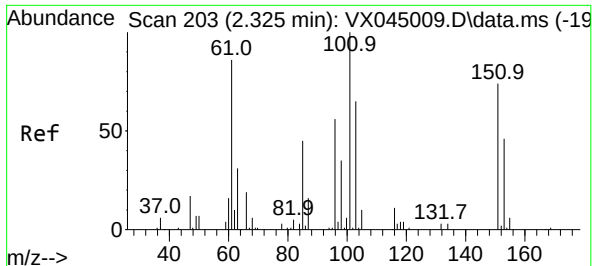


#8  
 Diethyl Ether  
 Concen: 17.392 ug/l  
 RT: 2.130 min Scan# 171  
 Delta R.T. -0.000 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33



Tgt Ion: 74 Resp: 14607  
 Ion Ratio Lower Upper  
 74 100  
 45 103.4 20.8 186.8





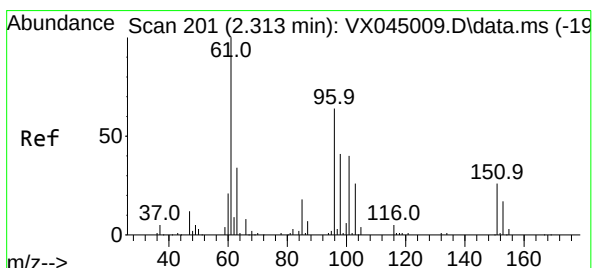
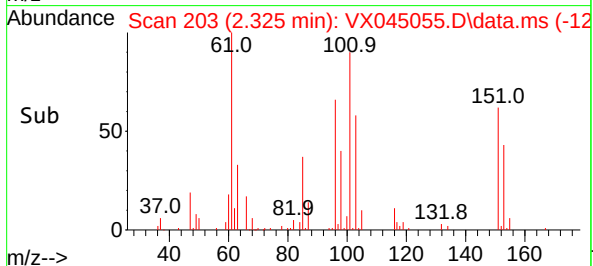
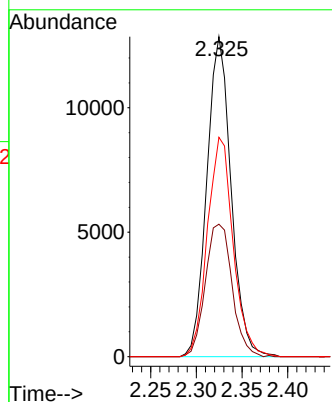
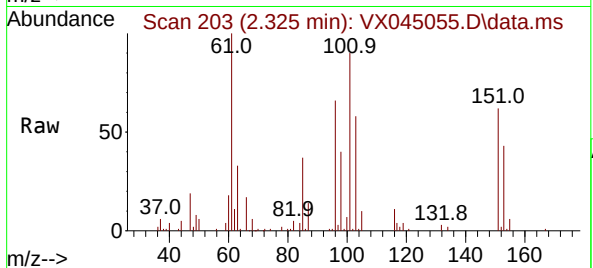
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 18.034 ug/l  
 RT: 2.325 min Scan# 203  
 Delta R.T. -0.000 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Tgt Ion:101 Resp: 23770  
 Ion Ratio Lower Upper  
 101 100  
 85 45.5 0.0 90.6  
 151 72.7 0.0 147.6

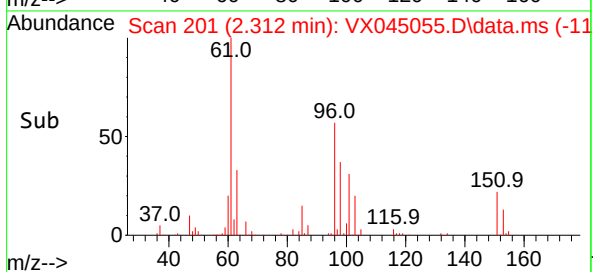
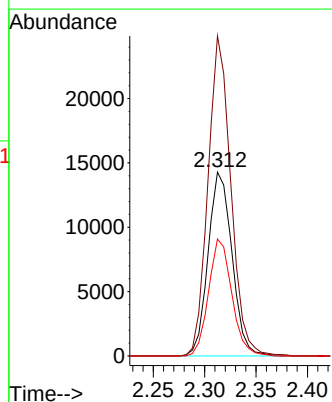
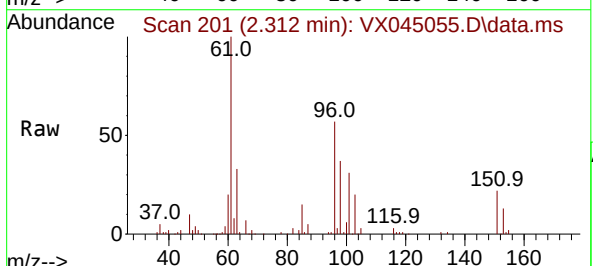
Manual Integrations  
 APPROVED

Reviewed By :John Carlone 02/27/2025  
 Supervised By :Mahesh Dadoda 02/27/2025

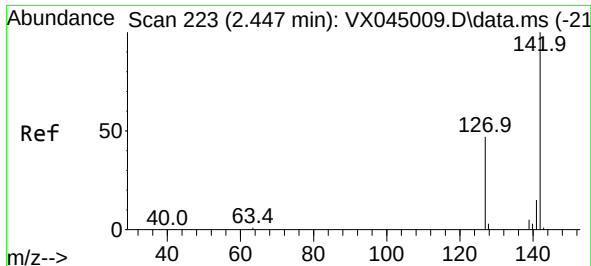


#10  
 1,1-Dichloroethene  
 Concen: 17.955 ug/l  
 RT: 2.312 min Scan# 201  
 Delta R.T. -0.000 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

Tgt Ion: 96 Resp: 23122  
 Ion Ratio Lower Upper  
 96 100  
 61 174.0 124.2 186.2  
 98 63.6 51.1 76.7

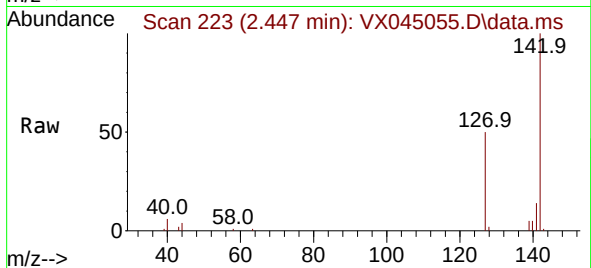






#11  
Methyl Iodide  
Concen: 17.067 ug/l  
RT: 2.447 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

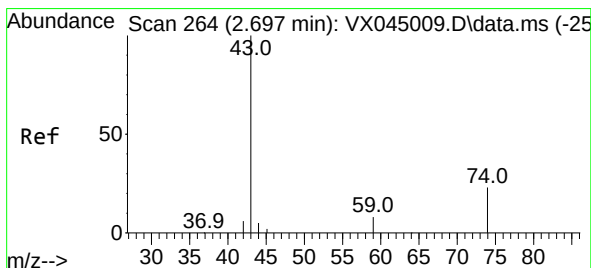
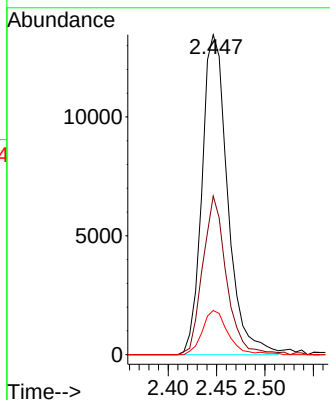
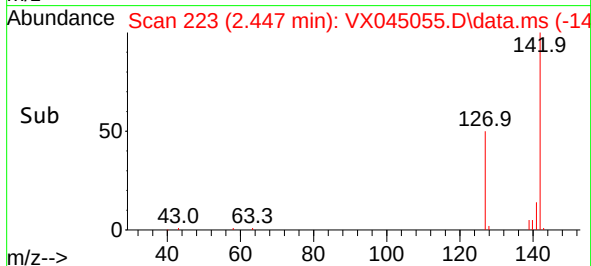
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



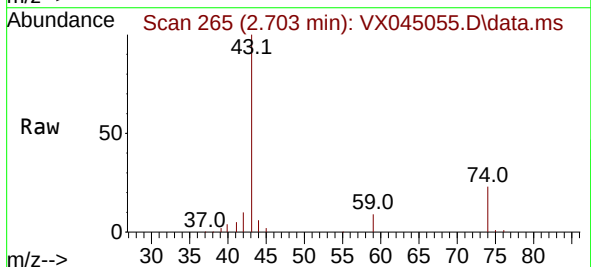
Tgt Ion:142 Resp: 2487  
Ion Ratio Lower Upper  
142 100  
127 49.6 23.3 69.9  
141 13.7 7.5 22.6

Manual Integrations  
APPROVED

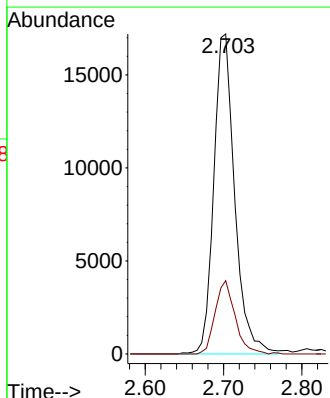
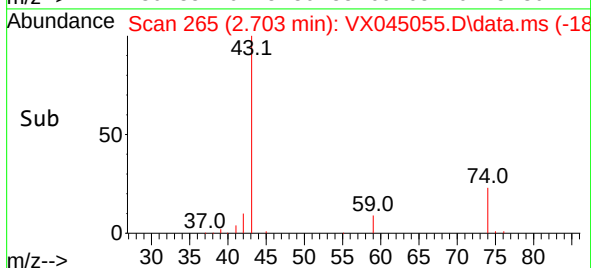
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025

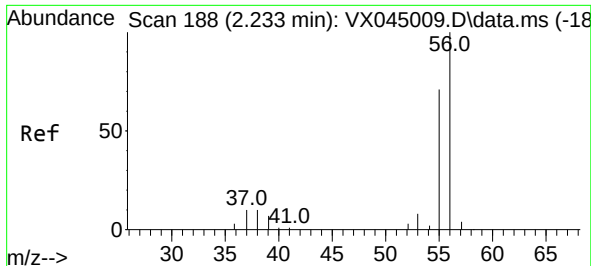


#12  
Methyl Acetate  
Concen: 21.343 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. 0.006 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33



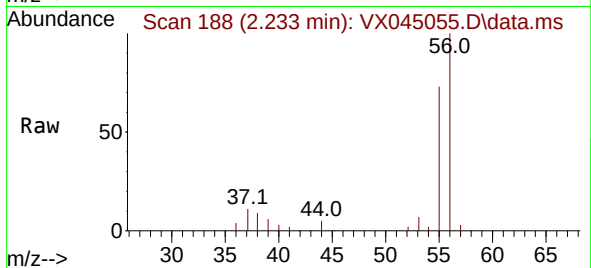
Tgt Ion: 43 Resp: 31916  
Ion Ratio Lower Upper  
43 100  
74 22.9 17.9 26.9





#13  
Acrolein  
Concen: 125.726 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

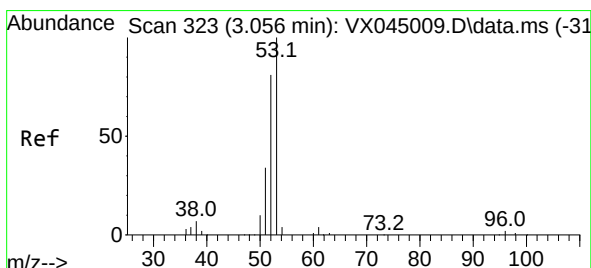
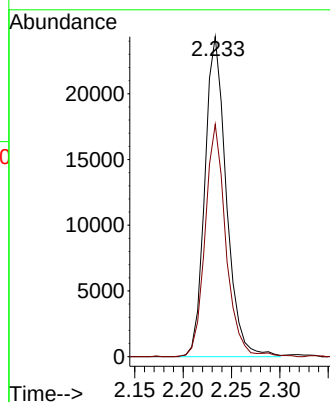
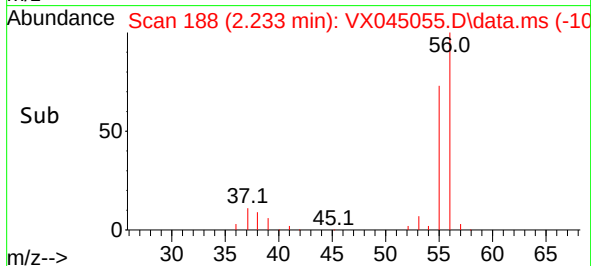
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



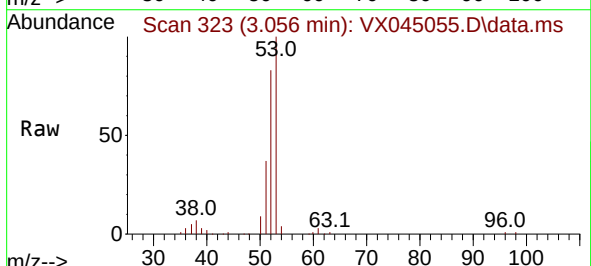
Tgt Ion: 56 Resp: 3768  
Ion Ratio Lower Upper  
56 100  
55 69.3 55.4 83.2

Manual Integrations  
APPROVED

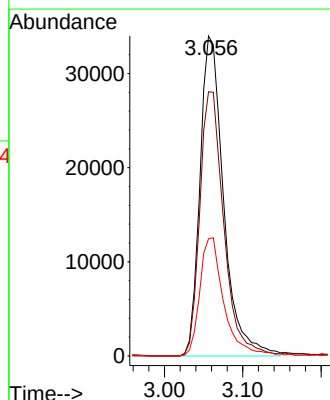
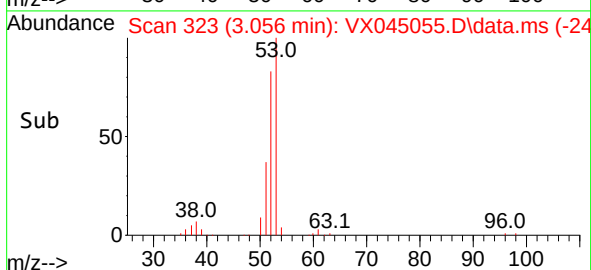
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025

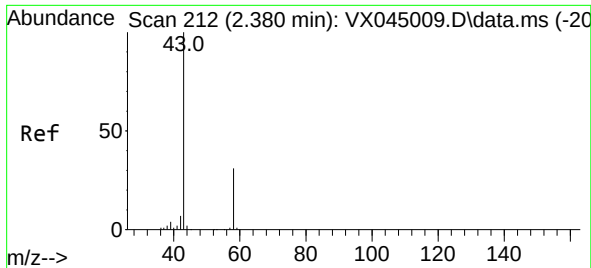


#14  
Acrylonitrile  
Concen: 97.785 ug/l  
RT: 3.056 min Scan# 323  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33



Tgt Ion: 53 Resp: 71425  
Ion Ratio Lower Upper  
53 100  
52 83.6 40.9 122.8  
51 37.7 18.0 54.0





#15

Acetone

Concen: 95.025 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 1903

Ion Ratio Lower Upper

58 100

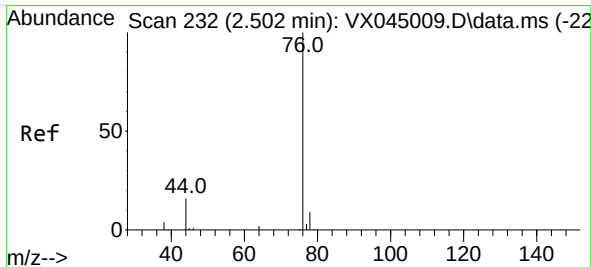
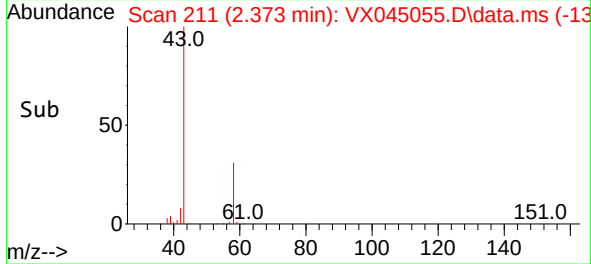
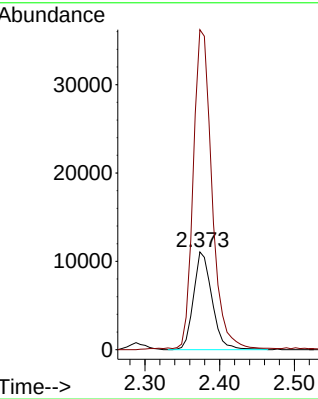
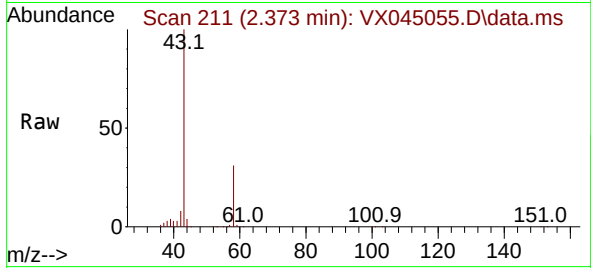
43 325.6 258.6 388.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#16

Carbon Disulfide

Concen: 16.276 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.006 min

Lab File: VX045055.D

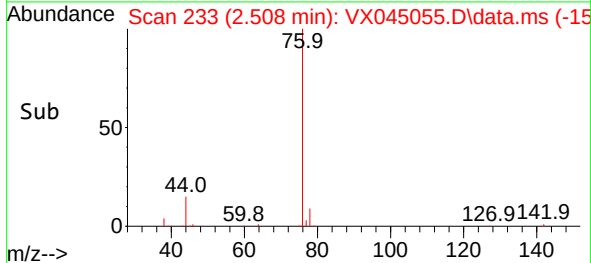
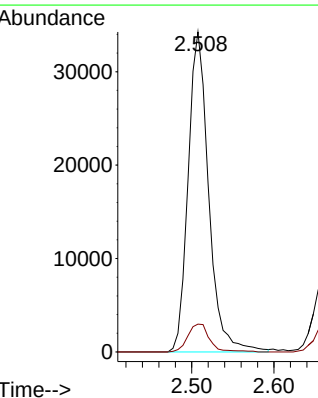
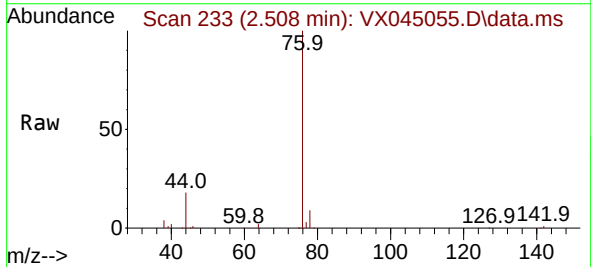
Acq: 26 Feb 2025 16:33

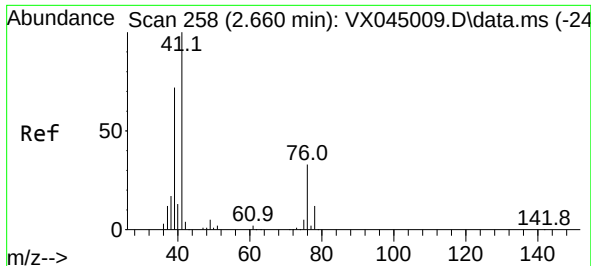
Tgt Ion: 76 Resp: 59451

Ion Ratio Lower Upper

76 100

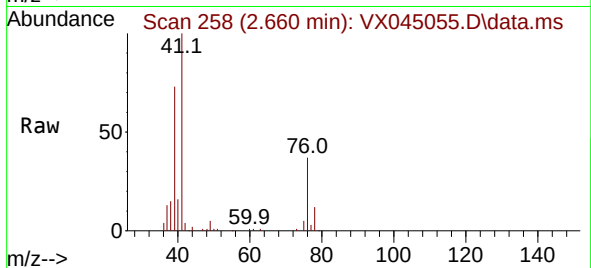
78 8.7 7.3 10.9





#17  
 Allyl chloride  
 Concen: 17.443 ug/l  
 RT: 2.660 min Scan# 258  
 Delta R.T. -0.000 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

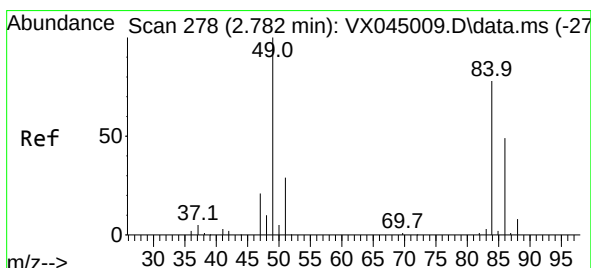
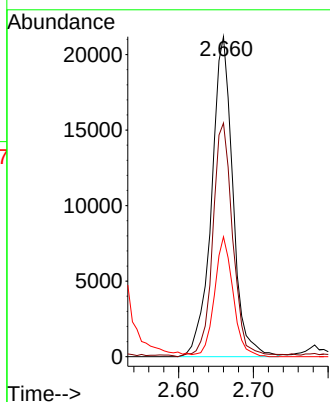
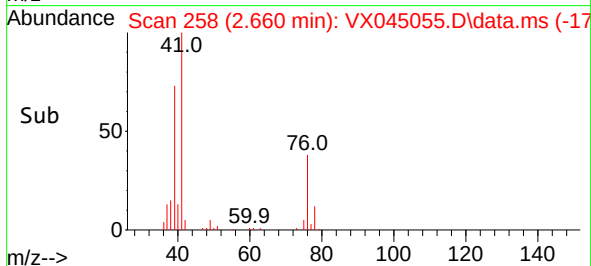
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC



Tgt Ion: 41 Resp: 4201  
 Ion Ratio Lower Upper  
 41 100  
 39 73.0 36.2 108.6  
 76 37.4 17.2 51.5

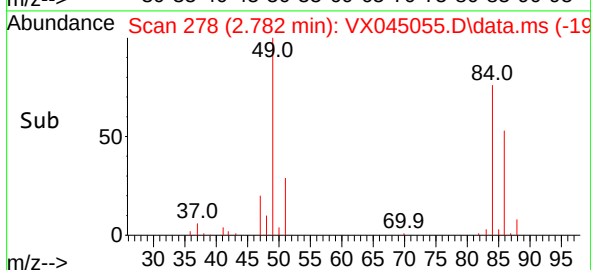
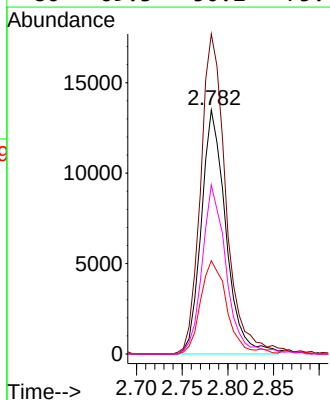
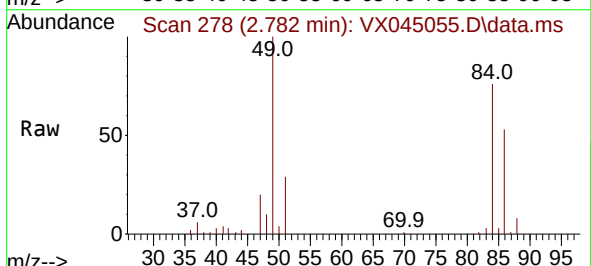
Manual Integrations  
 APPROVED

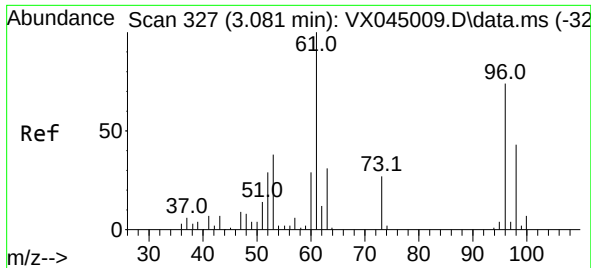
Reviewed By :John Carlone 02/27/2025  
 Supervised By :Mahesh Dadoda 02/27/2025



#18  
 Methylene Chloride  
 Concen: 17.419 ug/l  
 RT: 2.782 min Scan# 278  
 Delta R.T. -0.000 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

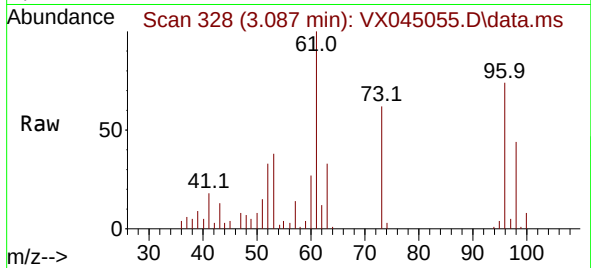
Tgt Ion: 84 Resp: 25230  
 Ion Ratio Lower Upper  
 84 100  
 49 130.4 102.8 154.2  
 51 38.2 30.1 45.1  
 86 69.3 50.2 75.4





#19  
trans-1,2-Dichloroethene  
Concen: 17.703 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

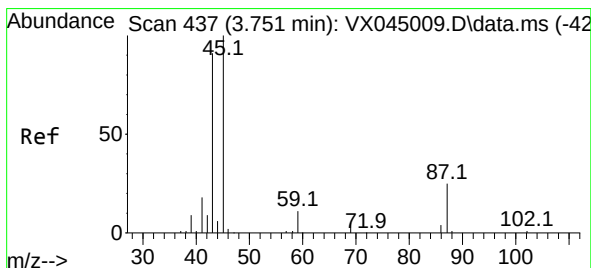
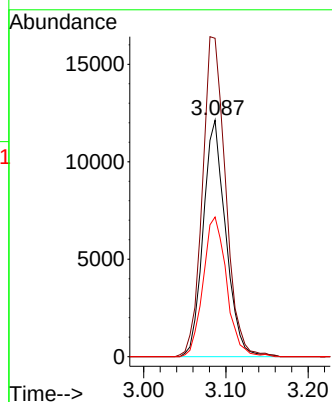
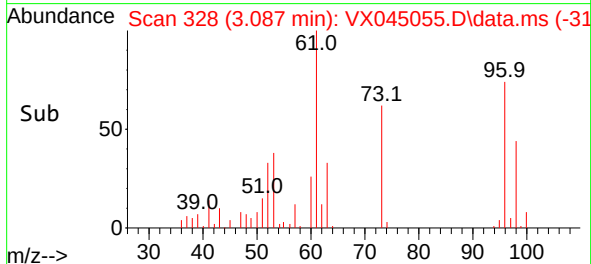
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 96 Resp: 2306  
Ion Ratio Lower Upper  
96 100  
61 134.6 108.6 163.0  
98 59.0 46.5 69.7

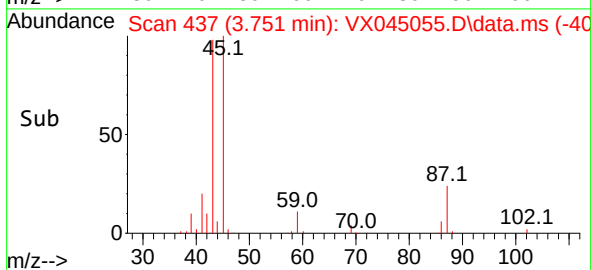
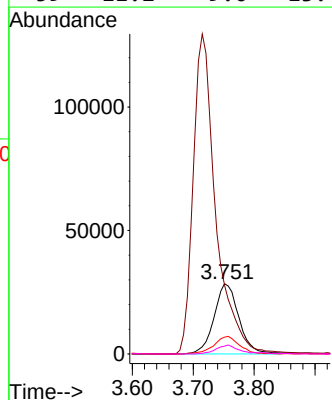
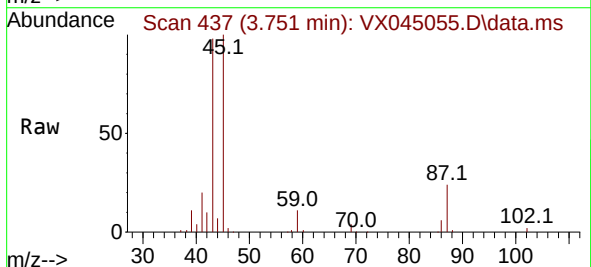
Manual Integrations  
APPROVED

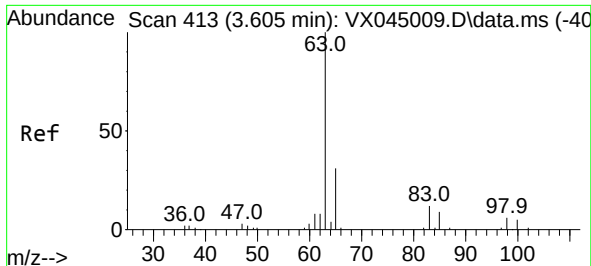
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#20  
Diisopropyl ether  
Concen: 17.341 ug/l  
RT: 3.751 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Tgt Ion: 45 Resp: 80260  
Ion Ratio Lower Upper  
45 100  
43 95.1 74.4 111.6  
87 23.8 19.8 29.8  
59 11.2 9.0 13.4





#21

1,1-Dichloroethane

Concen: 17.584 ug/l

RT: 3.605 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 4526

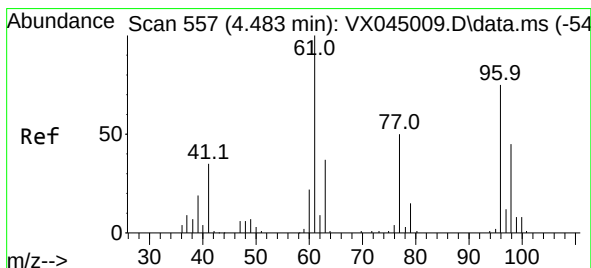
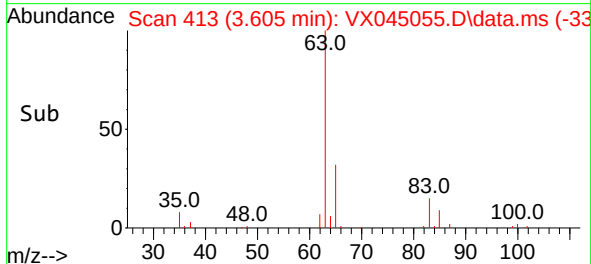
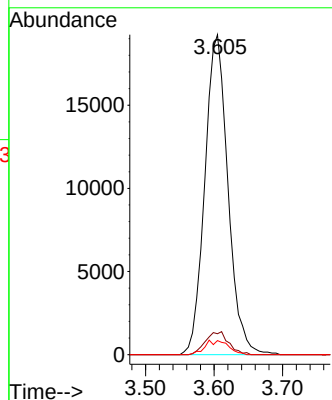
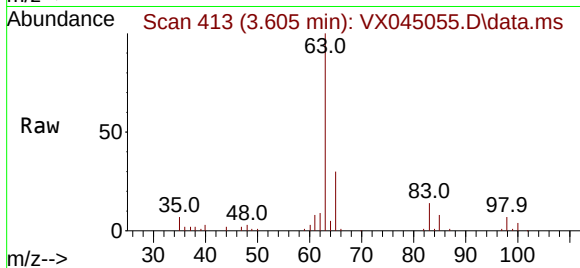
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 6.5   | 3.3   | 9.8   |
| 100 | 4.4   | 2.4   | 7.1   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#22

cis-1,2-Dichloroethene

Concen: 17.407 ug/l

RT: 4.477 min Scan# 556

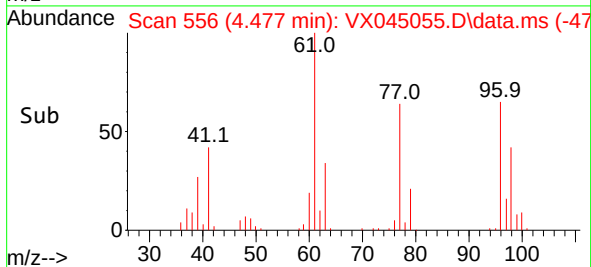
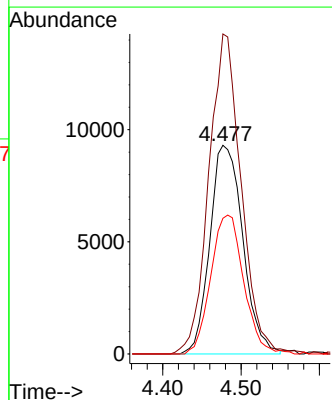
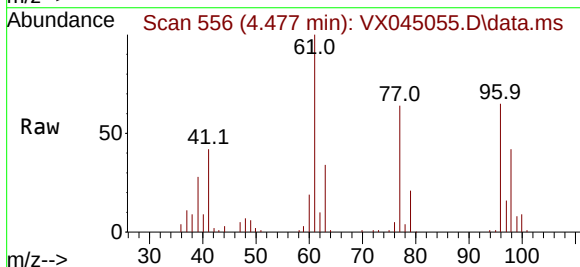
Delta R.T. -0.006 min

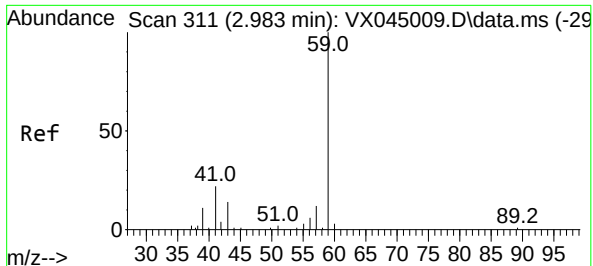
Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

Tgt Ion: 96 Resp: 27177

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 149.3 | 118.9 | 178.3 |
| 98  | 66.1  | 50.7  | 76.1  |





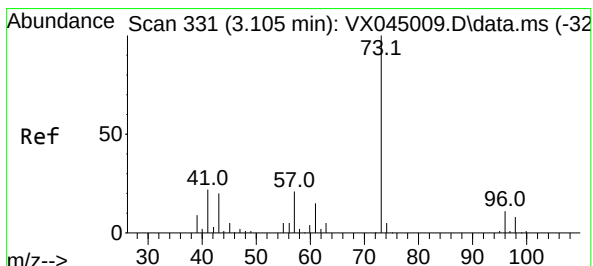
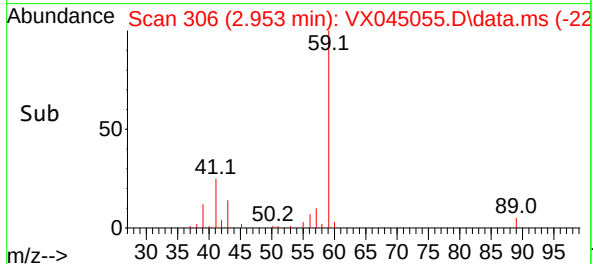
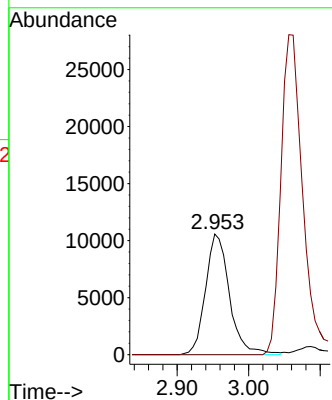
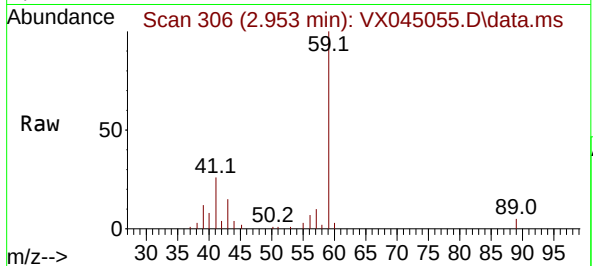
#23  
tert-Butyl Alcohol  
Concen: 96.668 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.031 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 59 Resp: 24650  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

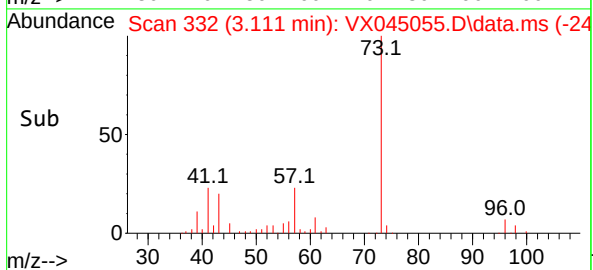
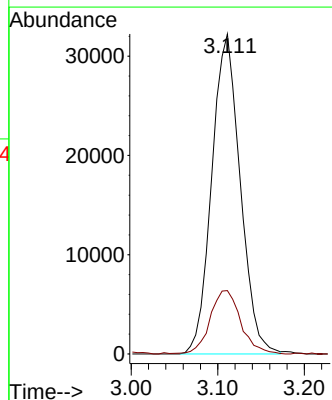
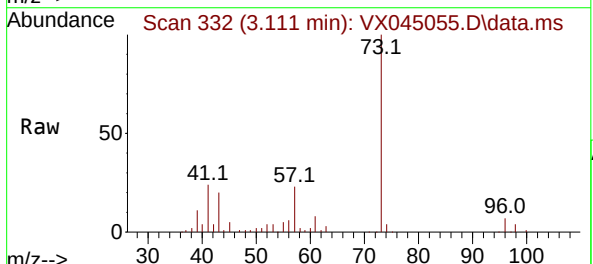
Manual Integrations  
APPROVED

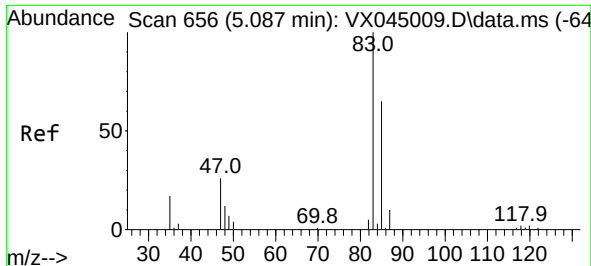
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#24  
Methyl tert-Butyl Ether  
Concen: 17.499 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. 0.006 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Tgt Ion: 73 Resp: 73549  
Ion Ratio Lower Upper  
73 100  
43 21.4 17.4 26.0





#25

Chloroform

Concen: 17.945 ug/l

RT: 5.074 min Scan# 61

Delta R.T. -0.012 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 4461

Ion Ratio Lower Upper

83 100

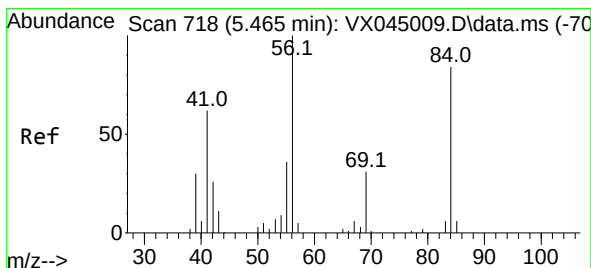
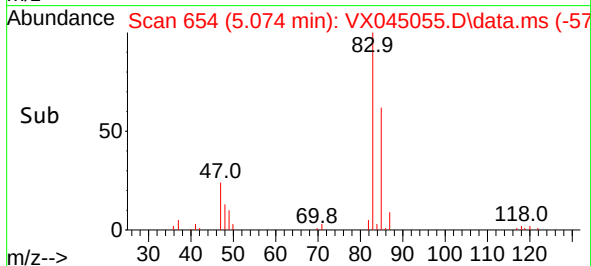
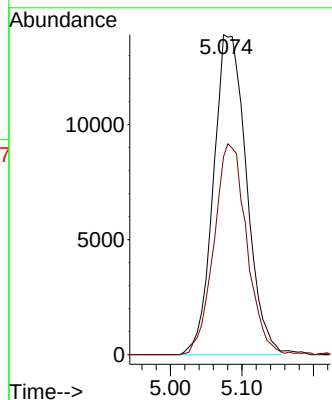
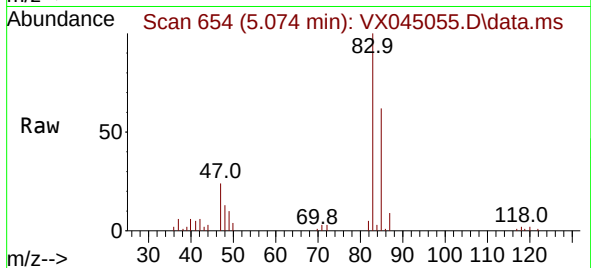
85 61.9 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#26

Cyclohexane

Concen: 17.197 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

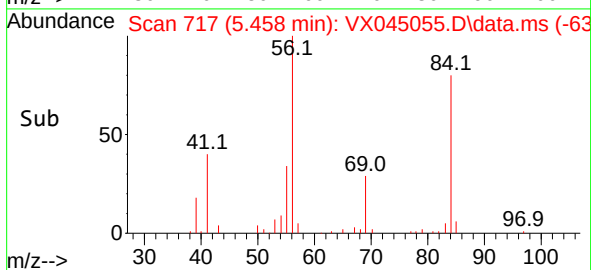
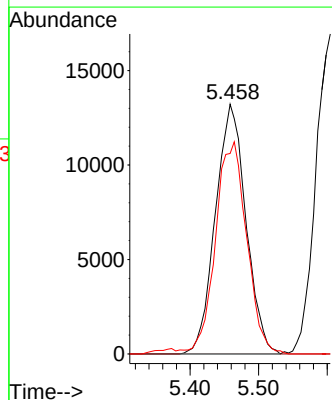
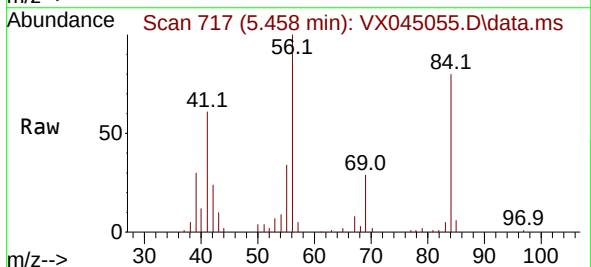
Tgt Ion: 56 Resp: 40859

Ion Ratio Lower Upper

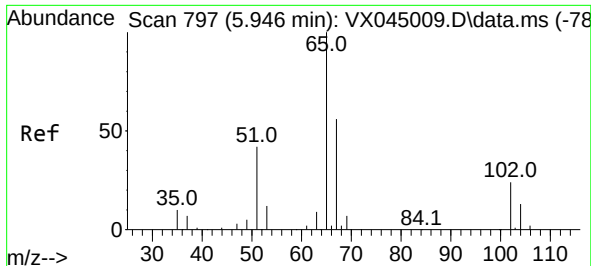
56 100

89 0.0 0.0 0.0

84 86.8 67.1 100.7

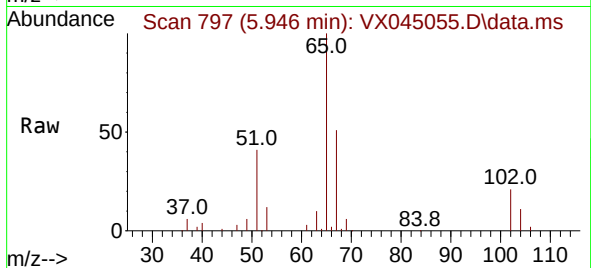






#27  
1,2-Dichloroethane-d4  
Concen: 29.628 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

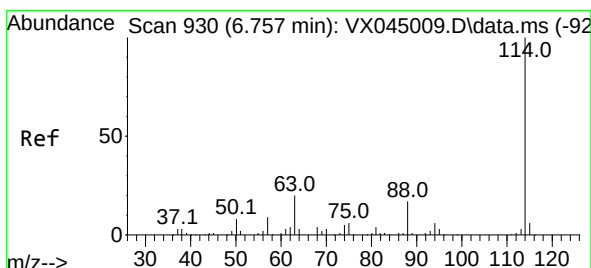
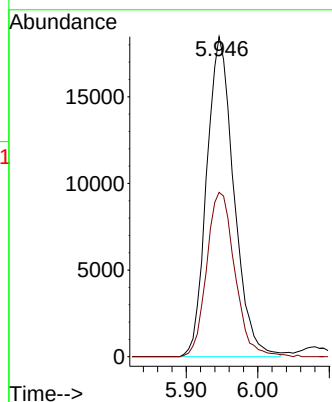
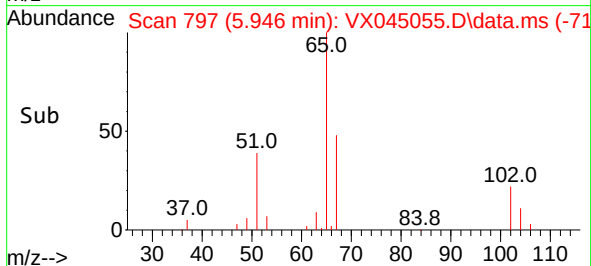
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



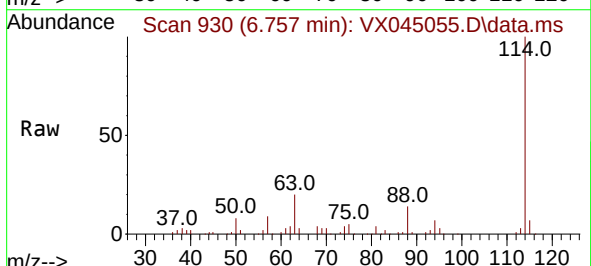
Tgt Ion: 65 Resp: 48782  
Ion Ratio Lower Upper  
65 100  
67 53.1 42.6 64.0

Manual Integrations  
APPROVED

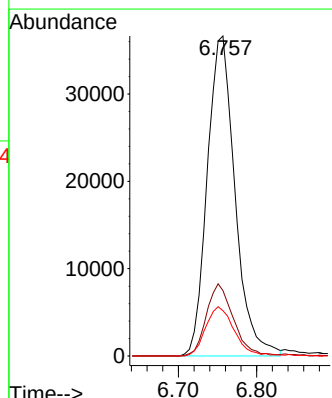
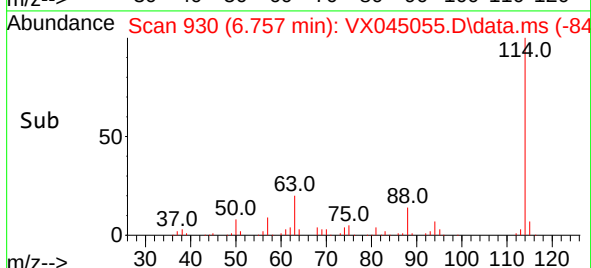
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025

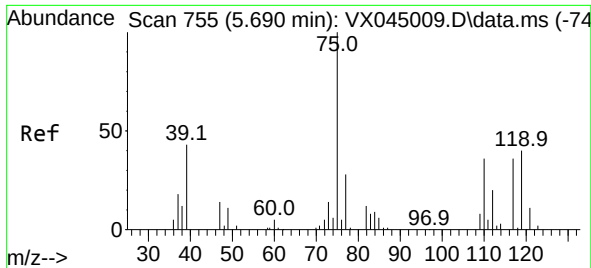


#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33



Tgt Ion:114 Resp: 90340  
Ion Ratio Lower Upper  
114 100  
63 21.6 16.8 25.2  
88 15.7 12.7 19.1





#29

1,1-Dichloropropene

Concen: 17.894 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.012 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

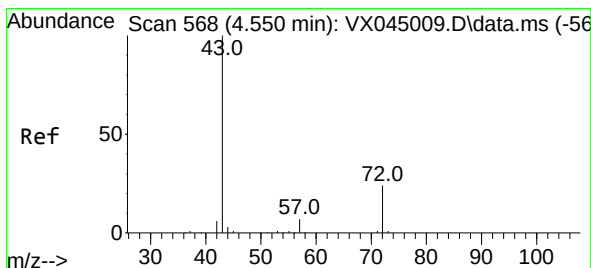
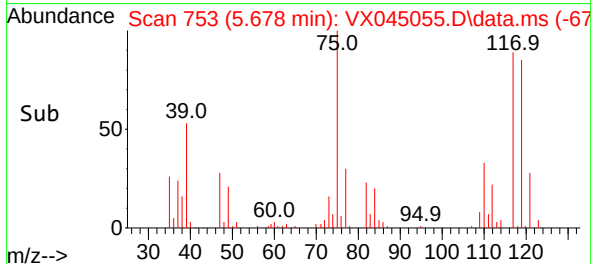
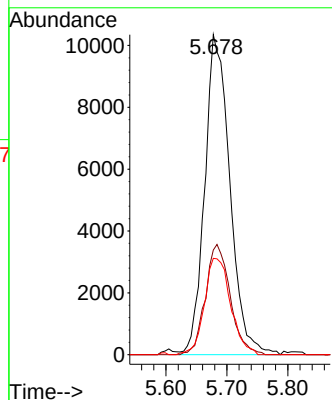
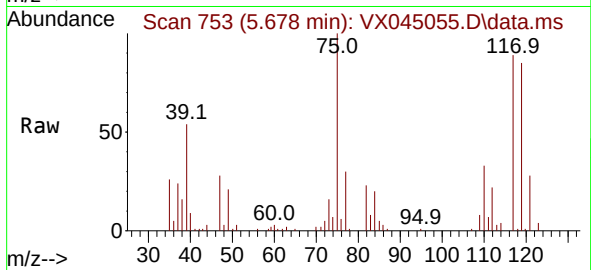
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 29730 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 33.9    | 0.0 69.2    |
| 77 31.3     | 0.0 61.0    |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#30

2-Butanone

Concen: 104.723 ug/l

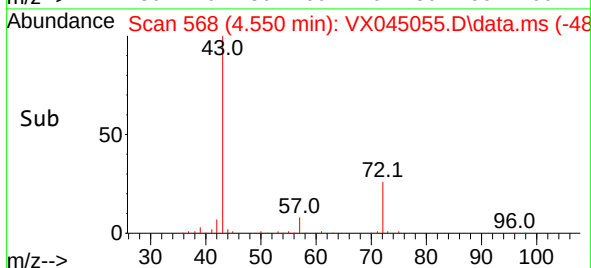
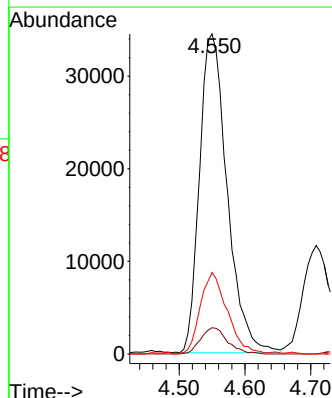
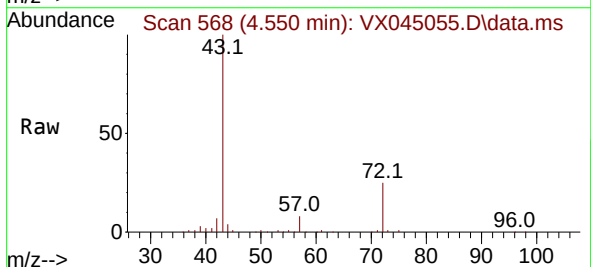
RT: 4.550 min Scan# 568

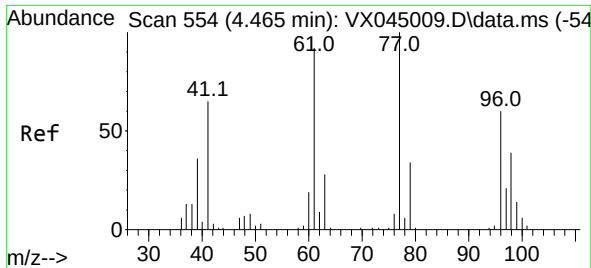
Delta R.T. -0.000 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 100519 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 57 7.8      | 6.2 9.2      |
| 72 24.9     | 20.2 30.2    |





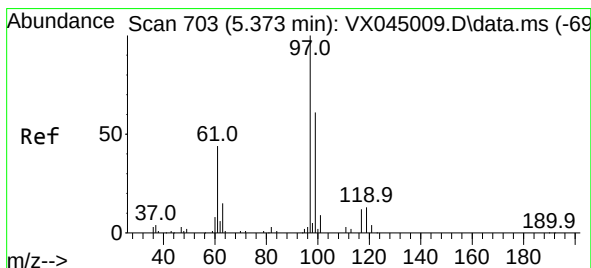
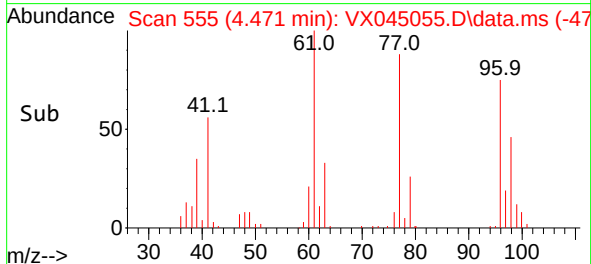
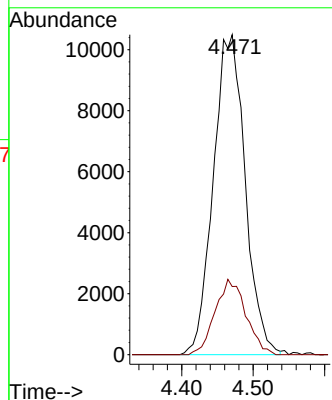
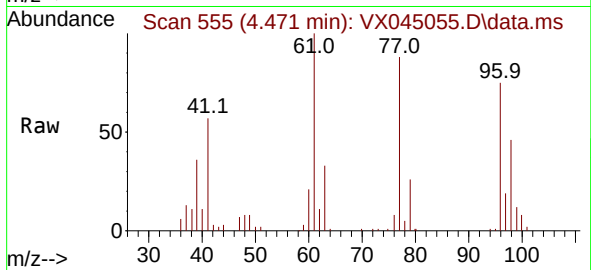
#31  
2,2-Dichloropropane  
Concen: 17.259 ug/l  
RT: 4.471 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 77 Resp: 3243  
Ion Ratio Lower Upper  
77 100  
97 22.7 18.0 27.0

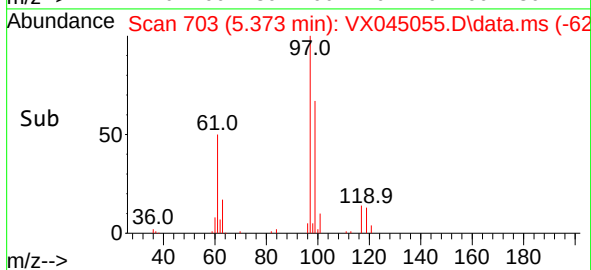
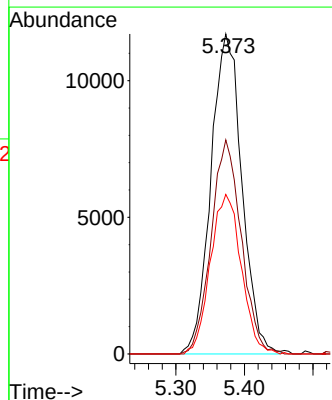
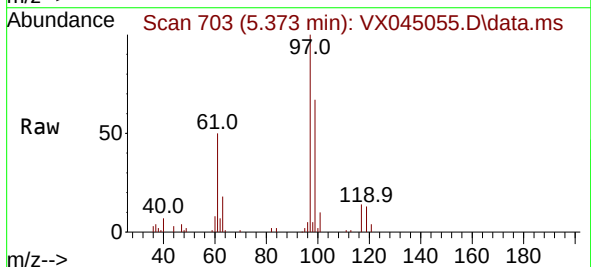
Manual Integrations  
APPROVED

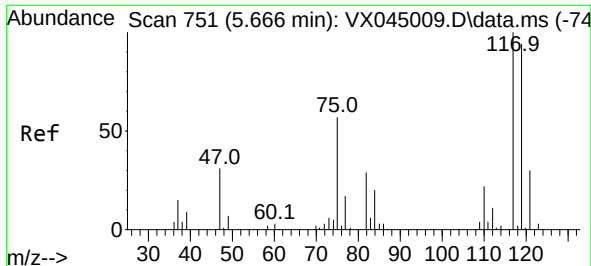
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#32  
1,1,1-Trichloroethane  
Concen: 18.246 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

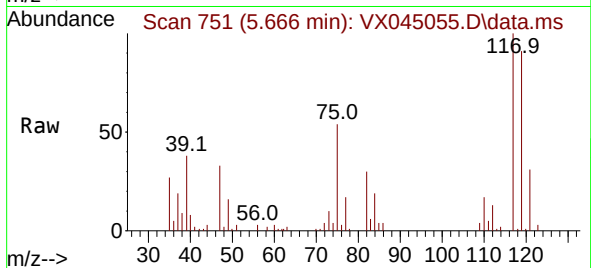
Tgt Ion: 97 Resp: 36738  
Ion Ratio Lower Upper  
97 100  
99 65.0 52.2 78.2  
61 49.8 38.5 57.7





#33  
Carbon Tetrachloride  
Concen: 18.729 ug/l  
RT: 5.666 min Scan# 751  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

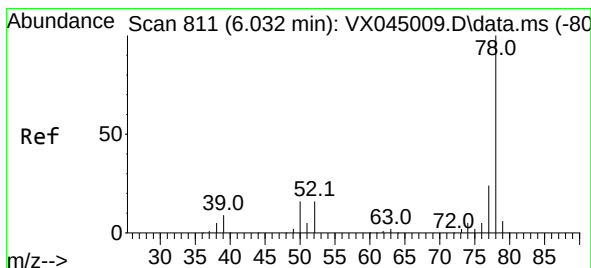
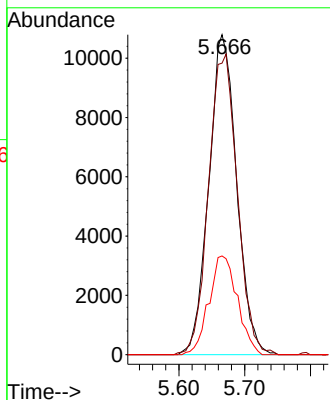
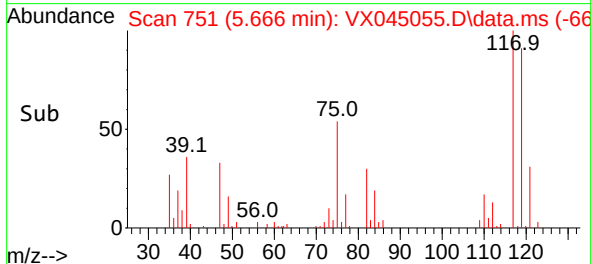
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



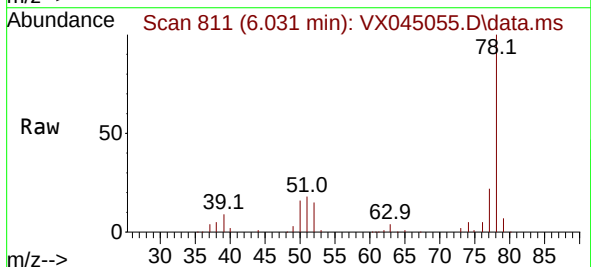
Tgt Ion:117 Resp: 31820  
Ion Ratio Lower Upper  
117 100  
119 91.1 75.1 112.7  
121 30.8 23.9 35.9

Manual Integrations  
APPROVED

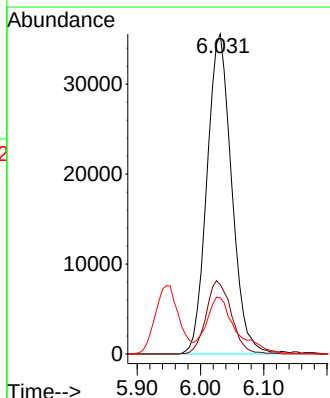
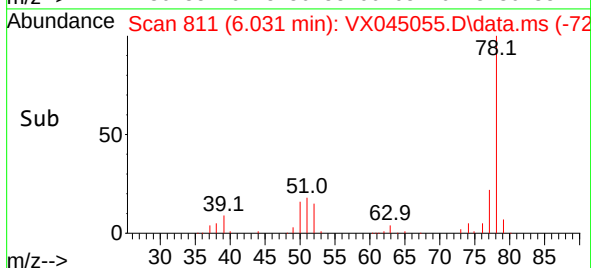
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025

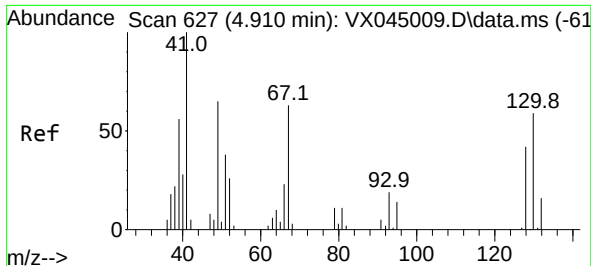


#34  
Benzene  
Concen: 18.495 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33



Tgt Ion: 78 Resp: 96387  
Ion Ratio Lower Upper  
78 100  
77 21.7 19.6 29.4  
51 16.9 13.8 20.6





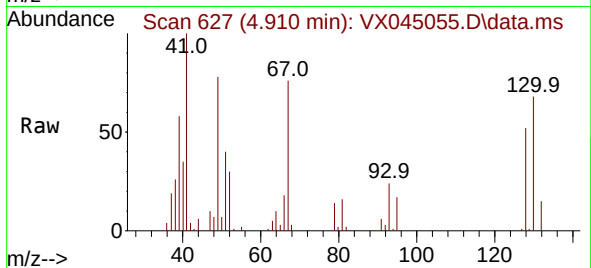
#35  
Methacrylonitrile  
Concen: 19.218 ug/l  
RT: 4.910 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC



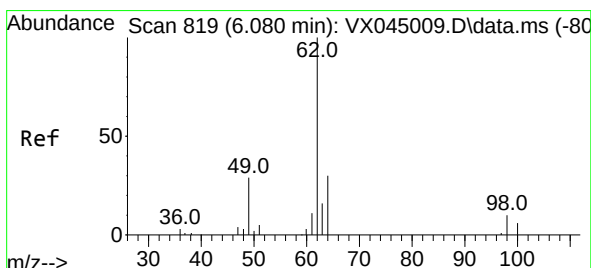
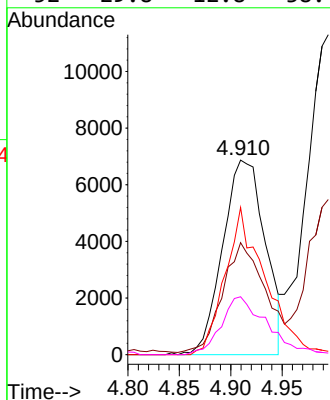
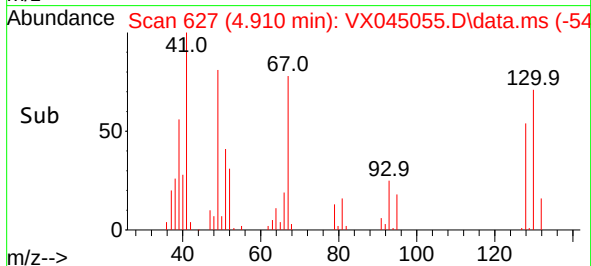
Tgt Ion: 41 Resp: 19740  
Ion Ratio Lower Upper  
41 100  
39 56.4 27.8 83.4  
67 75.7 31.5 94.5  
52 29.8 12.8 38.4

Manual Integrations

APPROVED

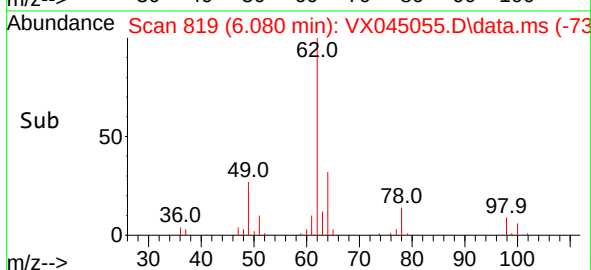
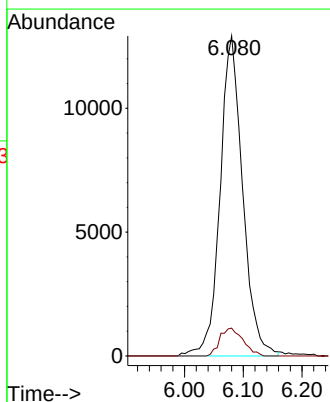
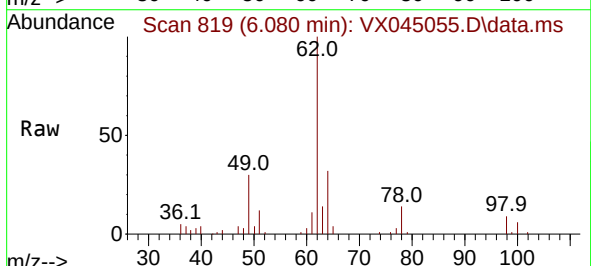
Reviewed By :John Carlone 02/27/2025

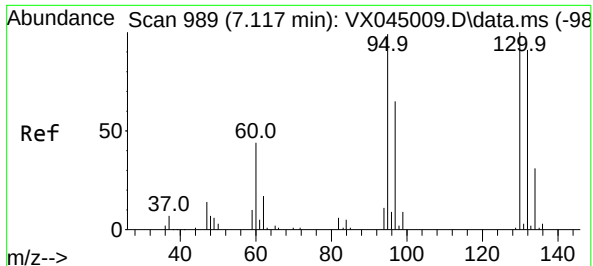
Supervised By :Mahesh Dadoda 02/27/2025



#36  
1,2-Dichloroethane  
Concen: 19.361 ug/l  
RT: 6.080 min Scan# 819  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

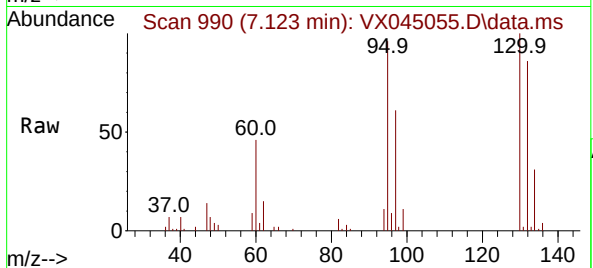
Tgt Ion: 62 Resp: 34544  
Ion Ratio Lower Upper  
62 100  
98 8.9 7.9 11.9





#37  
Trichloroethene  
Concen: 18.186 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.006 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

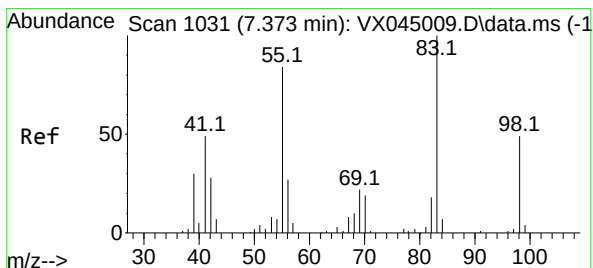
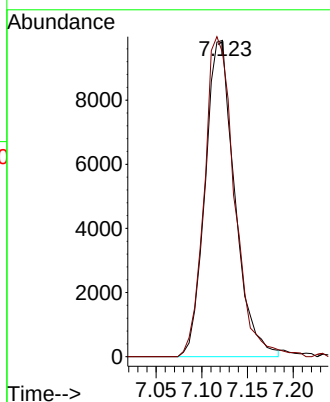
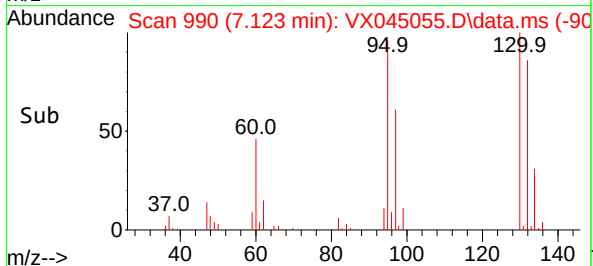
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



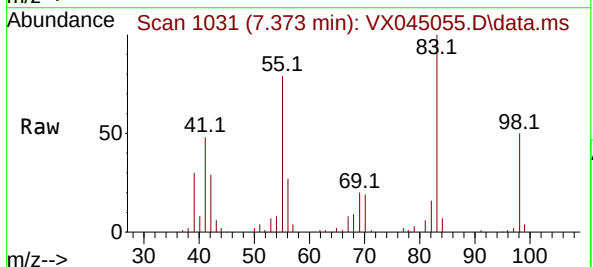
Tgt Ion:130 Resp: 2217  
Ion Ratio Lower Upper  
130 100  
95 96.1 79.0 118.4

Manual Integrations  
APPROVED

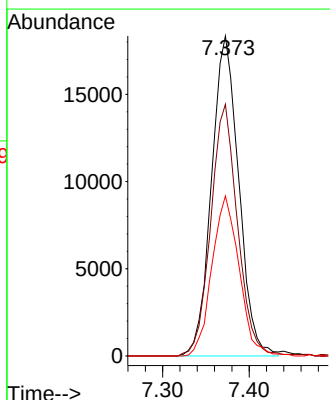
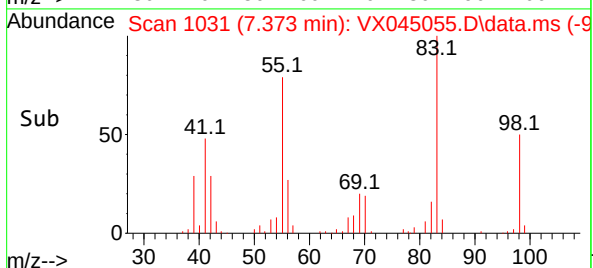
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025

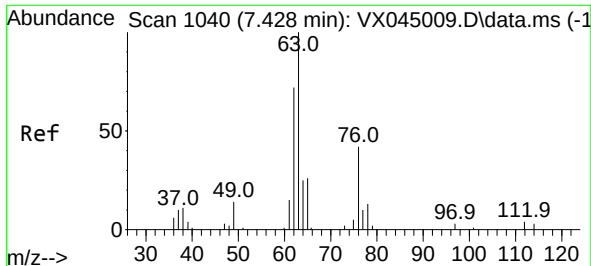


#38  
Methylcyclohexane  
Concen: 17.940 ug/l  
RT: 7.373 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33



Tgt Ion: 83 Resp: 40030  
Ion Ratio Lower Upper  
83 100  
55 77.4 40.6 122.0  
98 50.0 24.9 74.6





#39

1,2-Dichloropropane

Concen: 18.612 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 24114

Ion Ratio Lower Upper

63 100

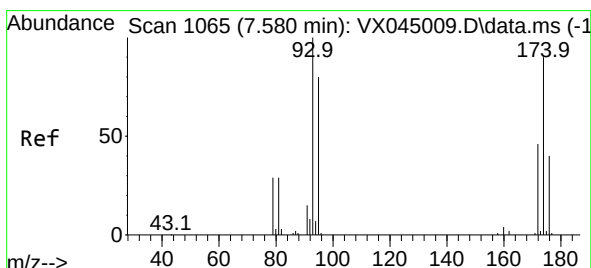
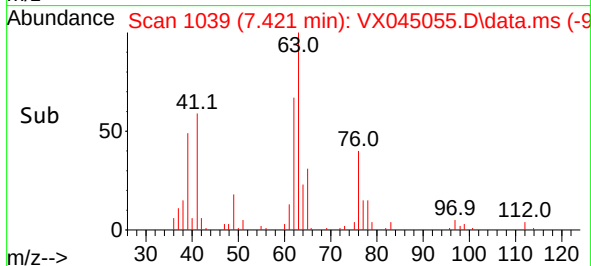
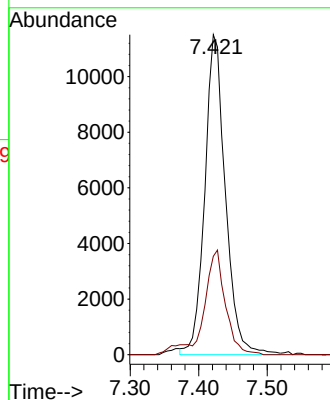
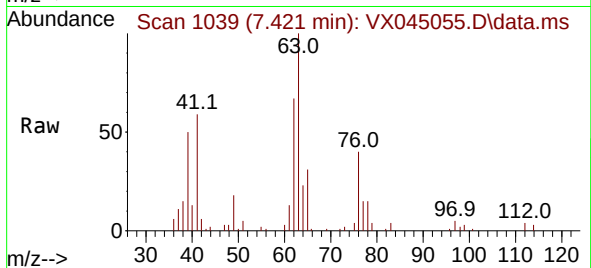
65 30.9 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#40

Dibromomethane

Concen: 18.362 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

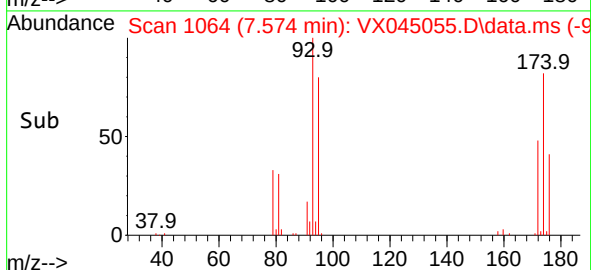
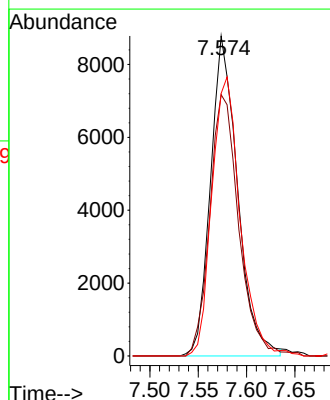
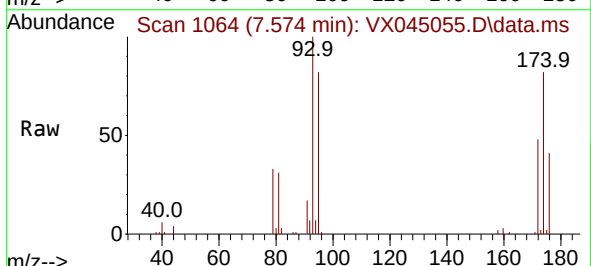
Tgt Ion: 93 Resp: 17072

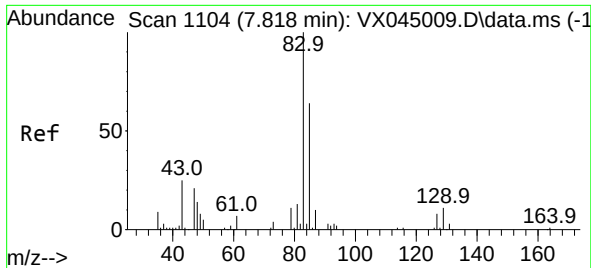
Ion Ratio Lower Upper

93 100

95 87.4 0.0 162.6

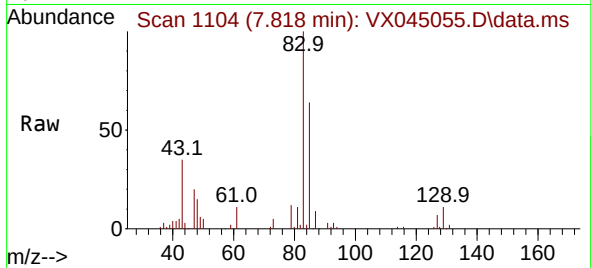
174 90.5 0.0 178.8





#41  
Bromodichloromethane  
Concen: 19.159 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

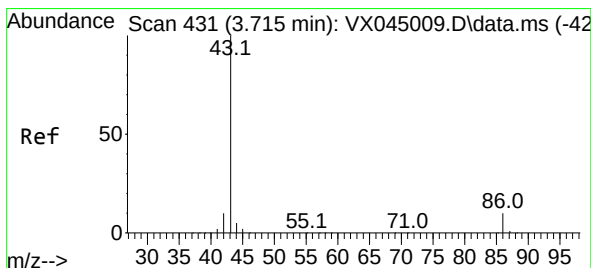
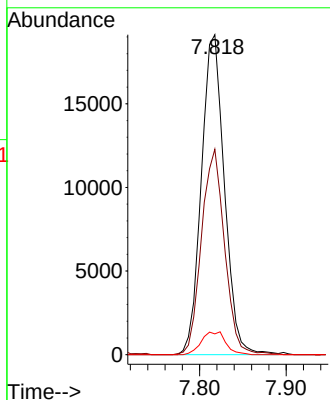
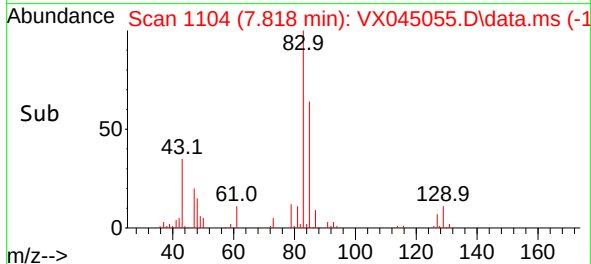
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



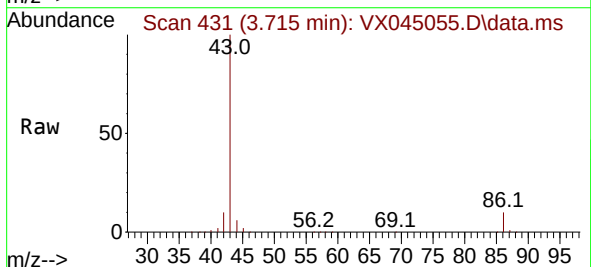
Tgt Ion: 83 Resp: 35404  
Ion Ratio Lower Upper  
83 100  
85 63.9 51.0 76.6  
127 7.1 6.1 9.1

Manual Integrations  
APPROVED

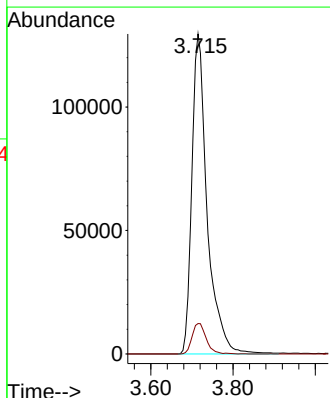
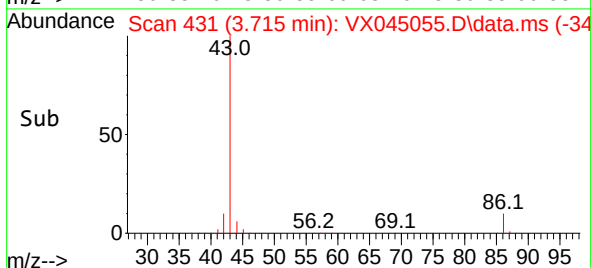
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



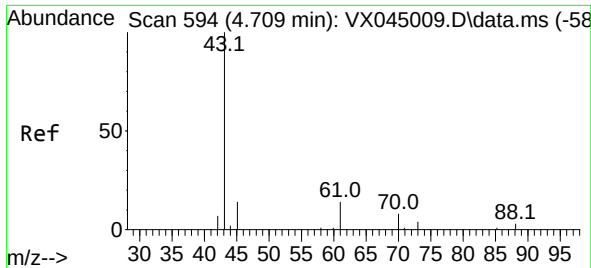
#42  
Vinyl Acetate  
Concen: 90.023 ug/l  
RT: 3.715 min Scan# 431  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33



Tgt Ion: 43 Resp: 335315  
Ion Ratio Lower Upper  
43 100  
86 8.7 7.0 10.4

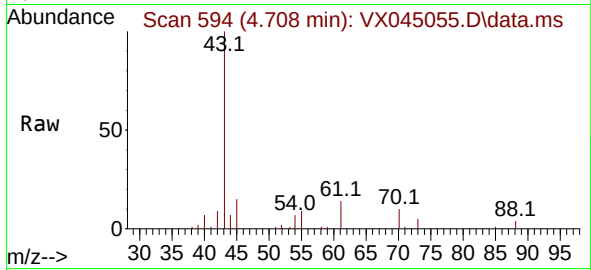






#43  
Ethyl Acetate  
Concen: 19.973 ug/l  
RT: 4.708 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

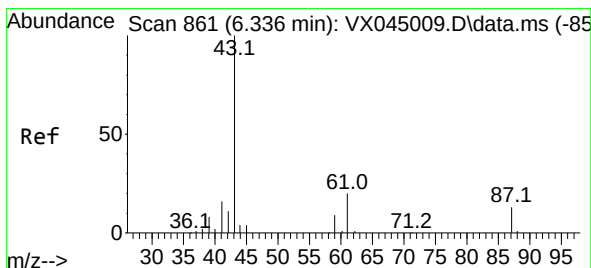
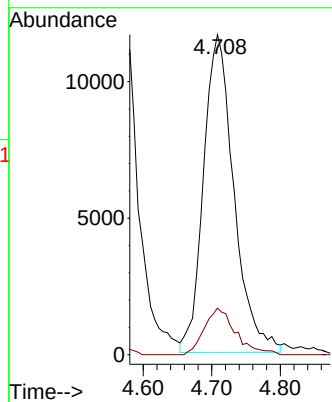
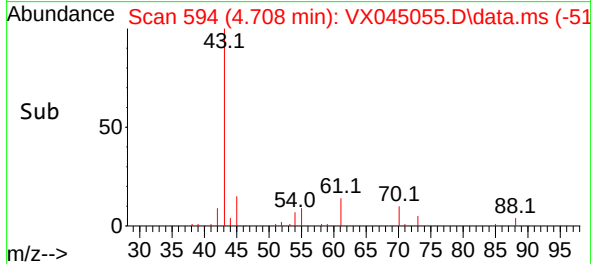
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 35952  
Ion Ratio Lower Upper  
43 100  
45 13.4 12.7 19.1

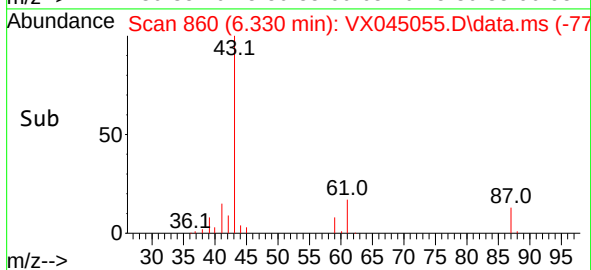
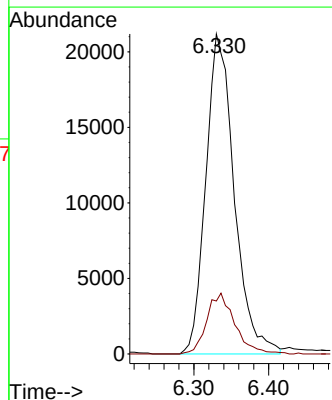
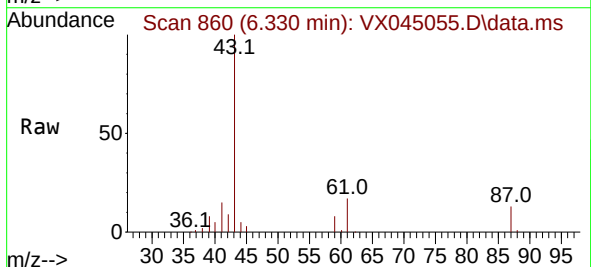
Manual Integrations  
APPROVED

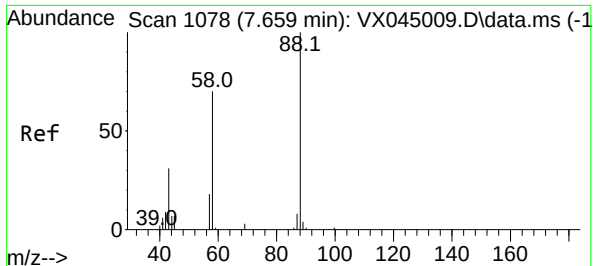
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#44  
Isopropyl Acetate  
Concen: 18.883 ug/l  
RT: 6.330 min Scan# 860  
Delta R.T. -0.006 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

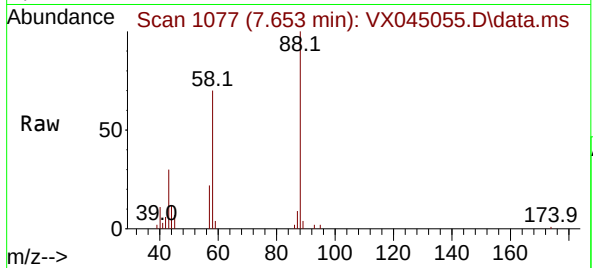
Tgt Ion: 43 Resp: 55943  
Ion Ratio Lower Upper  
43 100  
61 18.8 15.5 23.3





#45  
1,4-Dioxane  
Concen: 401.129 ug/l  
RT: 7.653 min Scan# 1077  
Delta R.T. -0.006 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

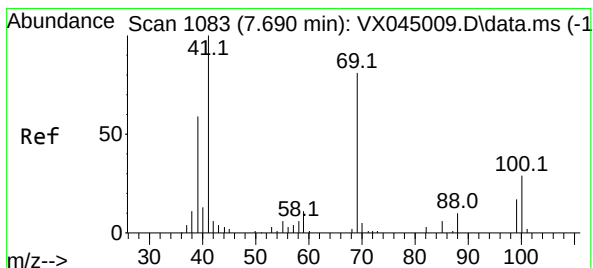
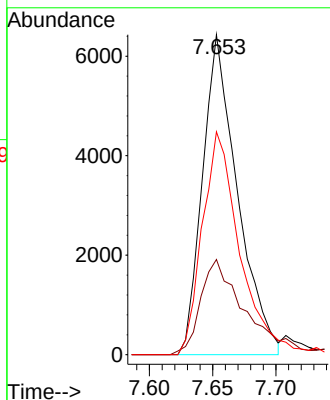
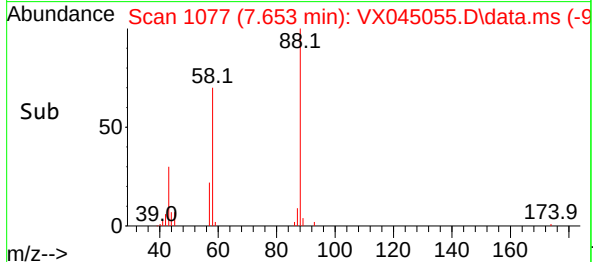
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



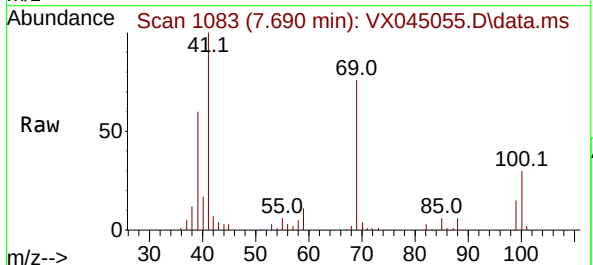
Tgt Ion: 88 Resp: 12354  
Ion Ratio Lower Upper  
88 100  
43 37.8 29.6 44.4  
58 74.6 56.2 84.4

Manual Integrations  
APPROVED

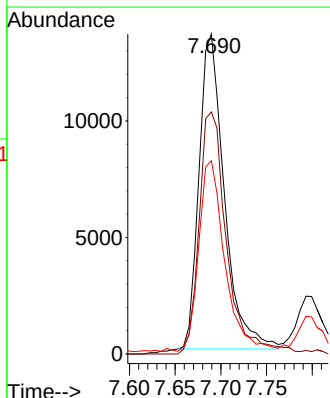
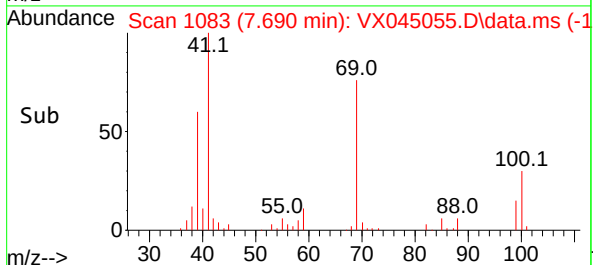
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025

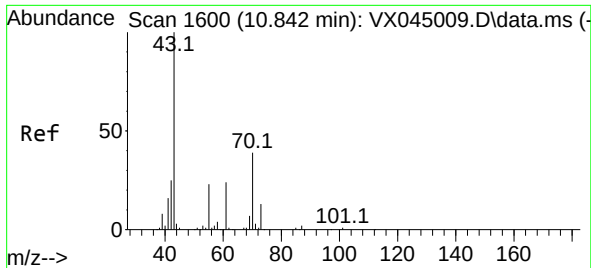


#46  
Methyl methacrylate  
Concen: 17.913 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33



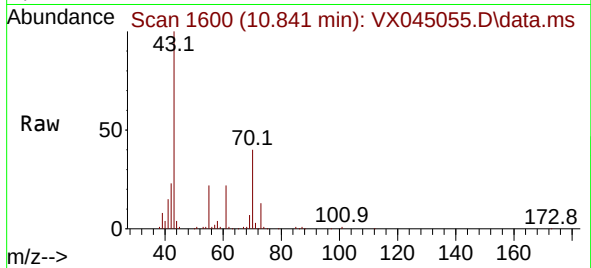
Tgt Ion: 41 Resp: 26023  
Ion Ratio Lower Upper  
41 100  
69 76.9 40.7 122.1  
39 60.5 29.5 88.5





#47  
n-amy1 Acetate  
Concen: 18.549 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

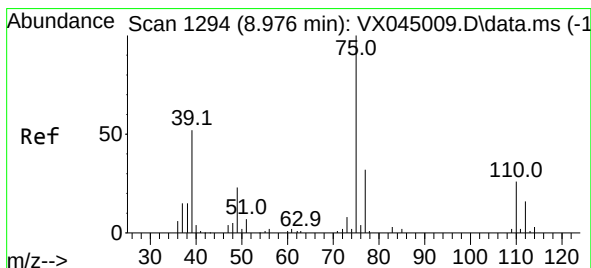
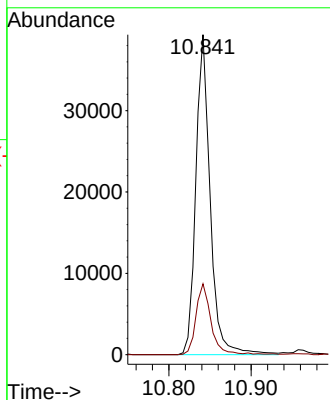
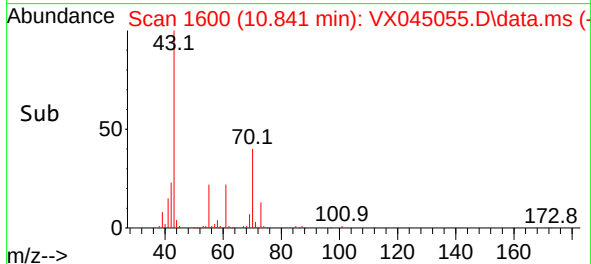
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 4768  
Ion Ratio Lower Upper  
43 100  
55 22.8 18.6 27.8

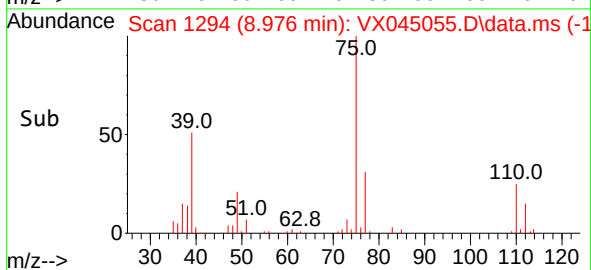
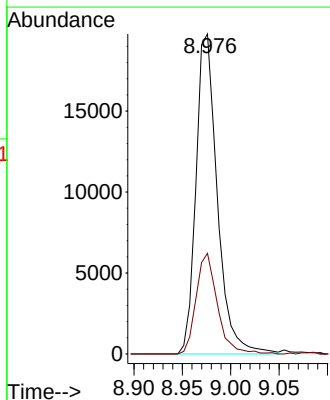
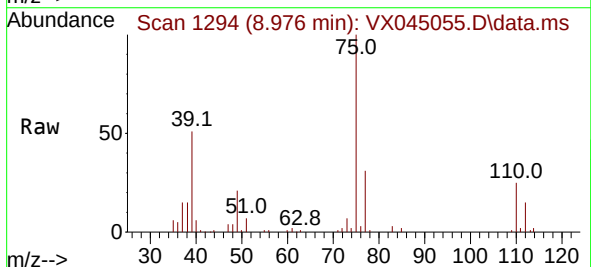
Manual Integrations  
APPROVED

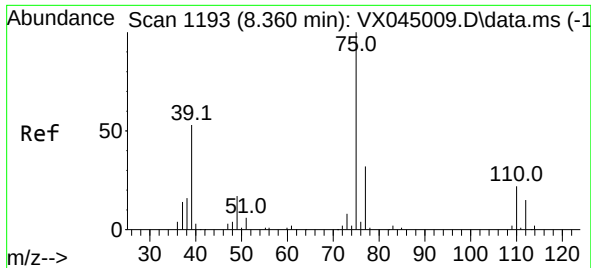
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#48  
t-1,3-Dichloropropene  
Concen: 17.083 ug/l  
RT: 8.976 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

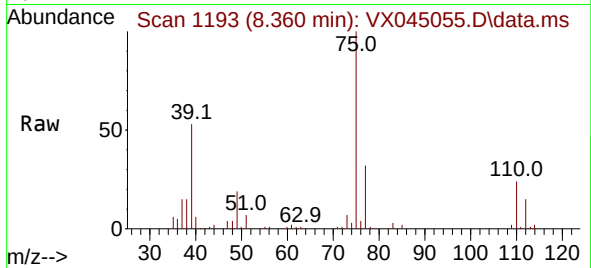
Tgt Ion: 75 Resp: 30428  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.7 38.5





#49  
 cis-1,3-Dichloropropene  
 Concen: 17.464 ug/l  
 RT: 8.360 min Scan# 1193  
 Delta R.T. -0.000 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

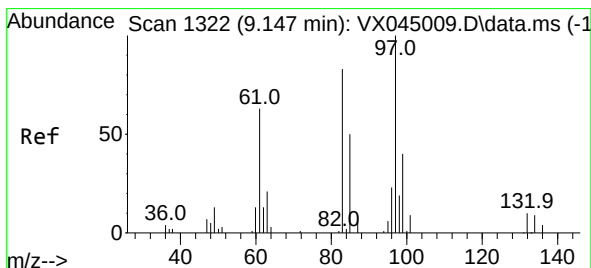
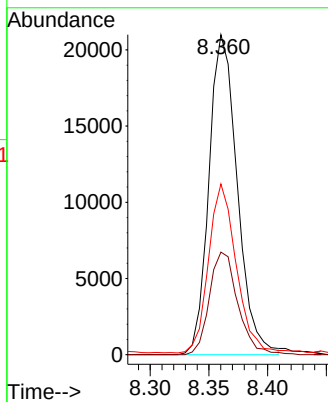
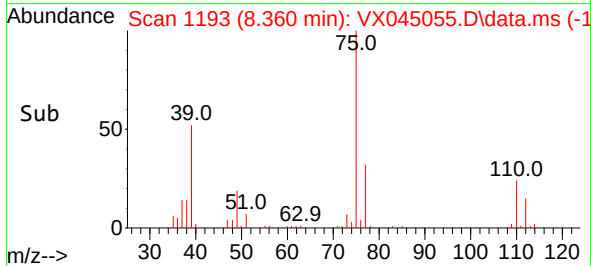
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC



Tgt Ion: 75 Resp: 3521  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.9 38.9  
 39 52.8 42.3 63.5

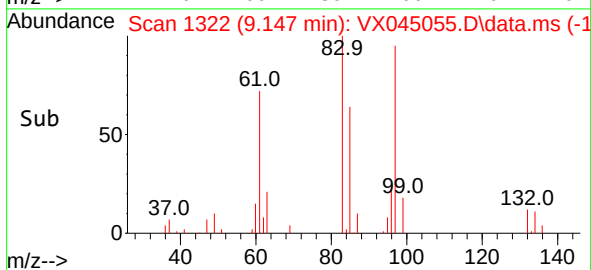
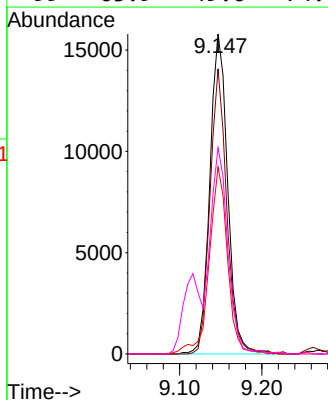
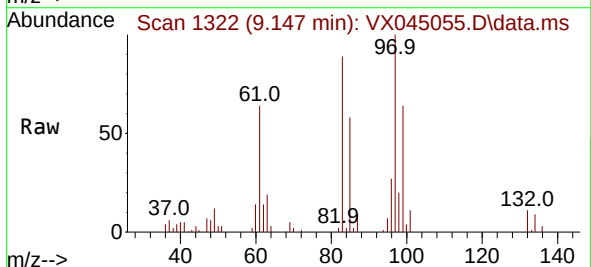
Manual Integrations  
 APPROVED

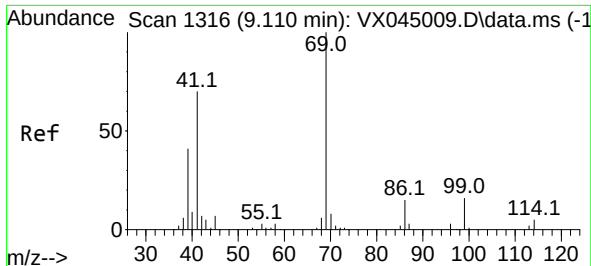
Reviewed By :John Carlone 02/27/2025  
 Supervised By :Mahesh Dadoda 02/27/2025



#50  
 1,1,2-Trichloroethane  
 Concen: 19.666 ug/l  
 RT: 9.147 min Scan# 1322  
 Delta R.T. -0.000 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

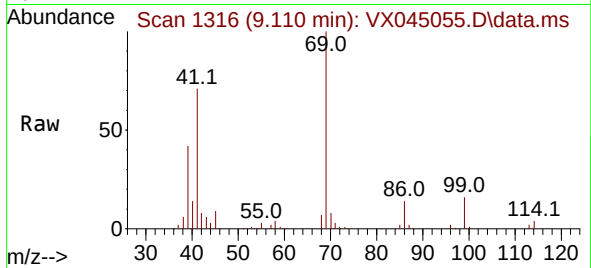
Tgt Ion: 97 Resp: 23850  
 Ion Ratio Lower Upper  
 97 100  
 83 89.1 66.0 99.0  
 85 58.4 42.5 63.7  
 99 63.9 49.6 74.4





#51  
Ethyl methacrylate  
Concen: 17.480 ug/l  
RT: 9.110 min Scan# 1316  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

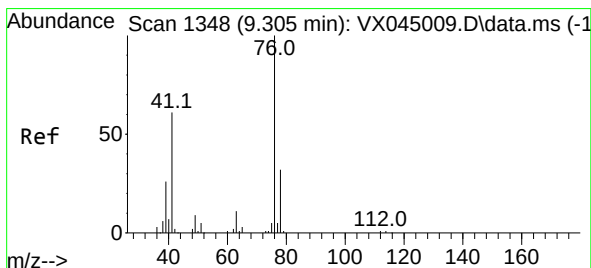
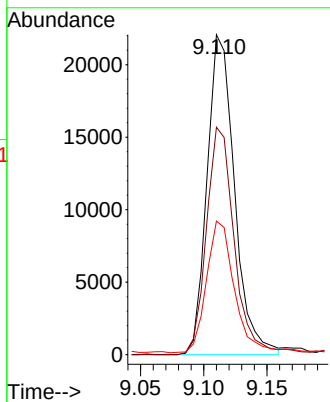
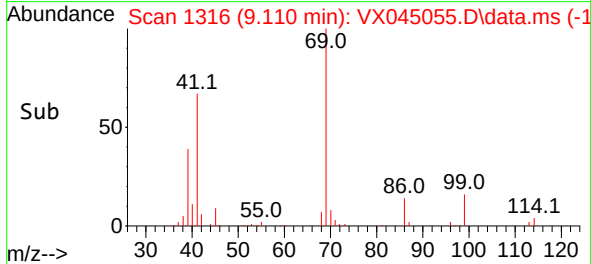
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 69 Resp: 33339  
Ion Ratio Lower Upper  
69 100  
41 71.1 35.1 105.3  
39 41.0 20.5 61.6

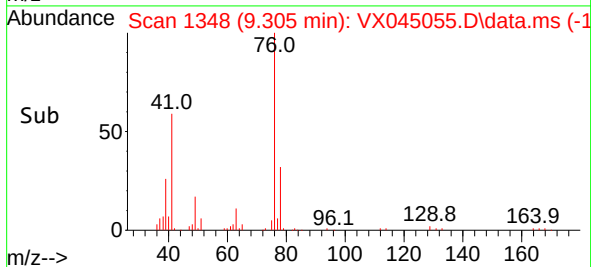
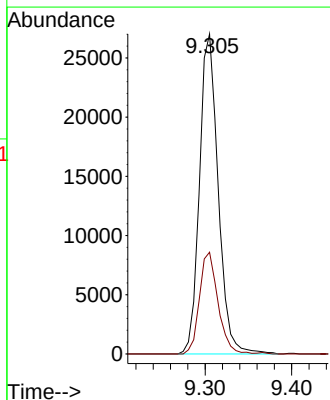
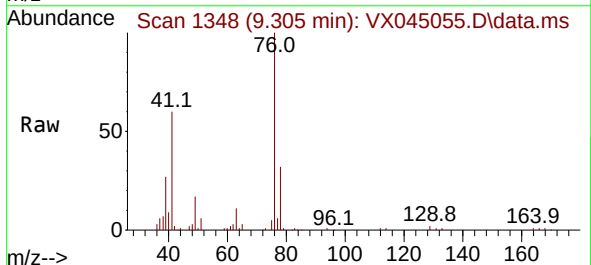
Manual Integrations  
APPROVED

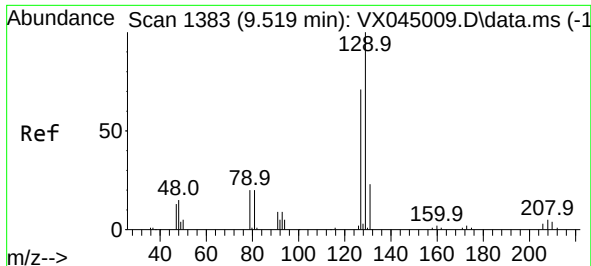
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#52  
1,3-Dichloropropane  
Concen: 19.089 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

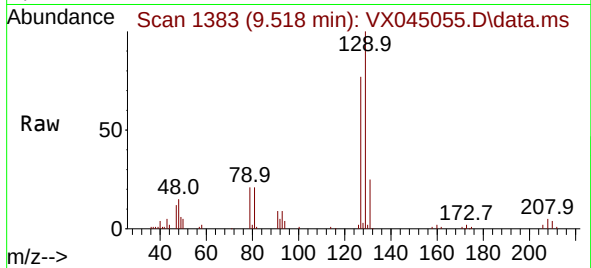
Tgt Ion: 76 Resp: 40564  
Ion Ratio Lower Upper  
76 100  
78 31.5 0.0 63.6





#53  
Dibromochloromethane  
Concen: 19.022 ug/l  
RT: 9.518 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

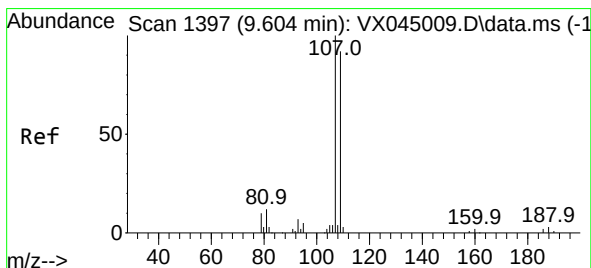
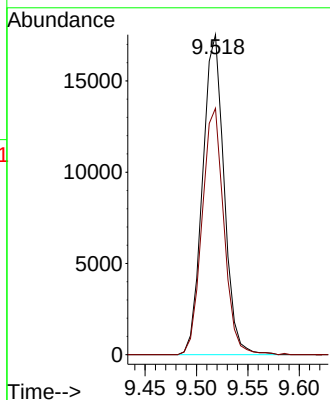
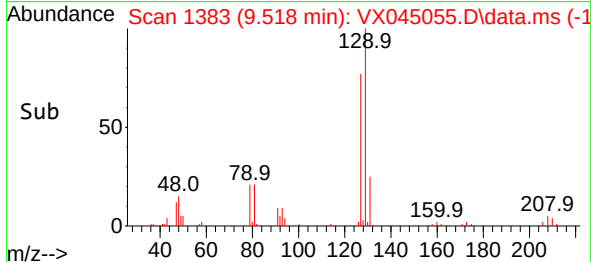
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:129 Resp: 25514  
Ion Ratio Lower Upper  
129 100  
127 78.3 37.3 111.9

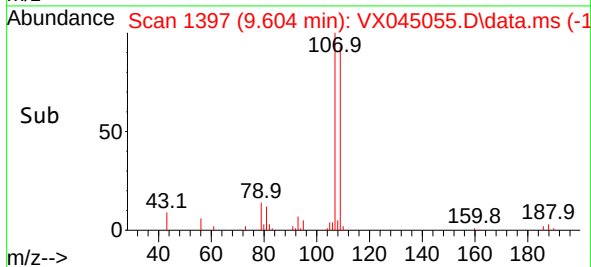
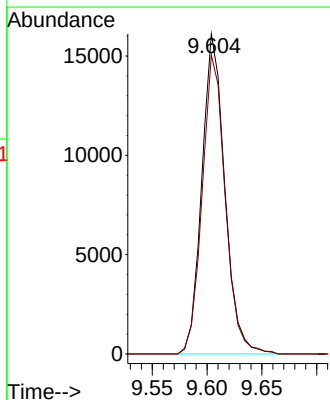
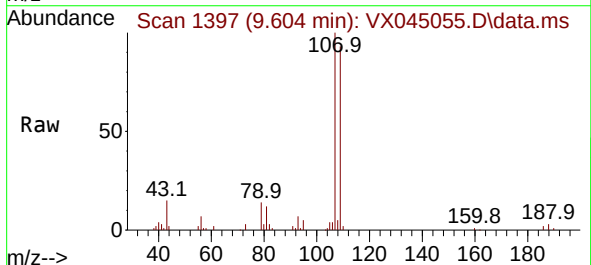
Manual Integrations  
APPROVED

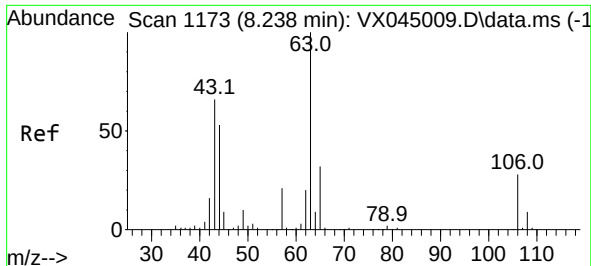
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#54  
1,2-Dibromoethane  
Concen: 19.008 ug/l  
RT: 9.604 min Scan# 1397  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Tgt Ion:107 Resp: 23408  
Ion Ratio Lower Upper  
107 100  
109 94.2 75.8 113.8





#55

2-Chloroethyl vinyl ether

Concen: 99.683 ug/l

RT: 8.232 min Scan# 1172

Delta R.T. -0.006 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 9763

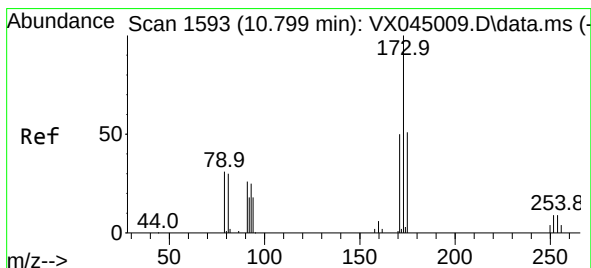
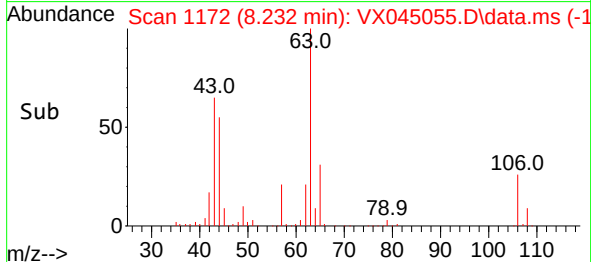
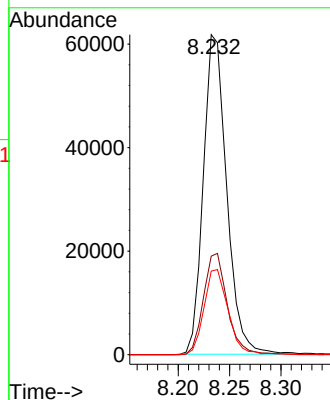
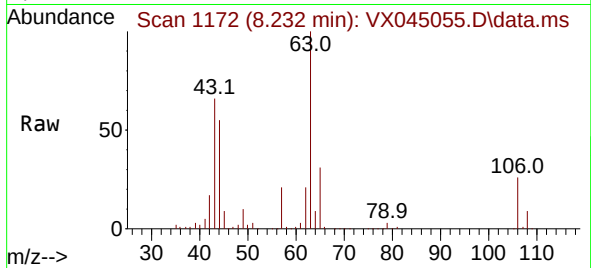
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.5  | 26.2  | 39.2  |
| 106 | 27.2  | 21.2  | 31.8  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#56

Bromoform

Concen: 19.786 ug/l

RT: 10.799 min Scan# 1593

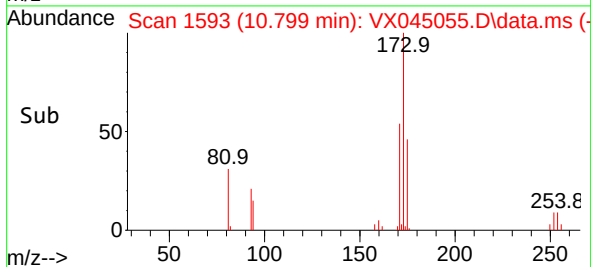
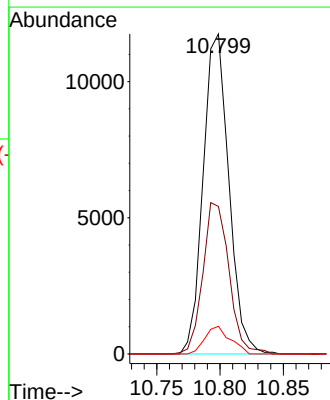
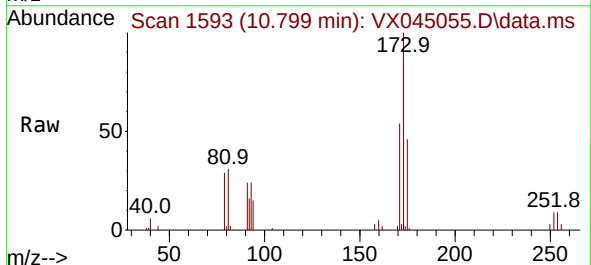
Delta R.T. -0.000 min

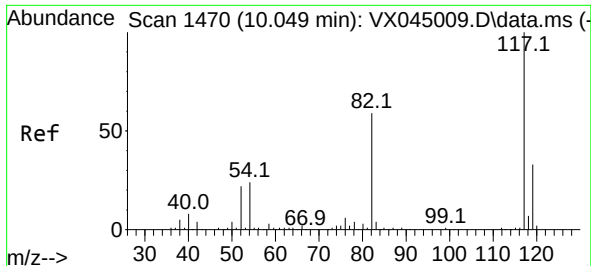
Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

Tgt Ion:173 Resp: 16630

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 48.1  | 39.6  | 59.4  |
| 254 | 8.5   | 6.3   | 9.5   |





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

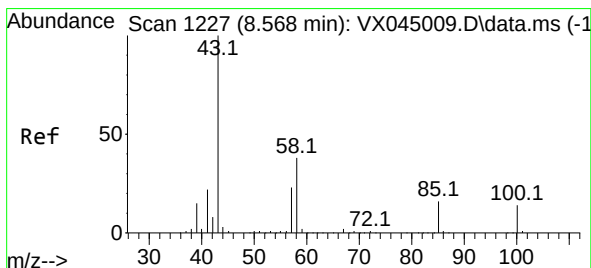
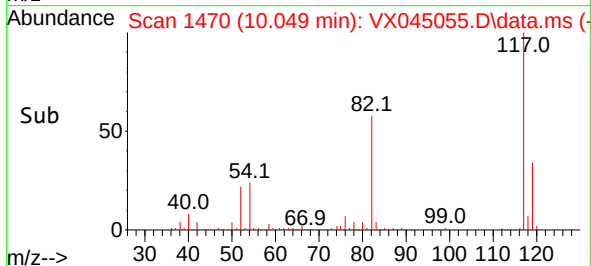
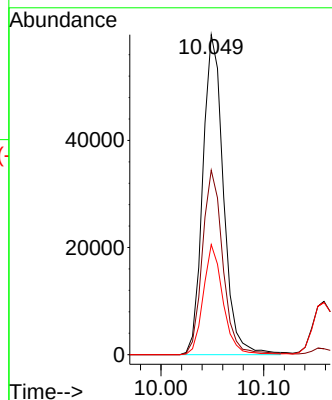
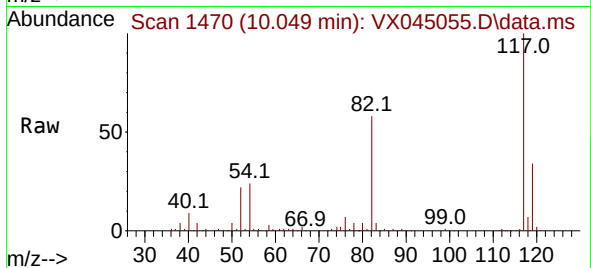
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 117   | Resp: | 8343 |
| Ion Ratio | Lower | Upper |      |
| 117       | 100   |       |      |
| 82        | 57.3  | 45.8  | 68.8 |
| 119       | 32.8  | 25.5  | 38.3 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#58

4-Methyl-2-Pentanone

Concen: 103.103 ug/l

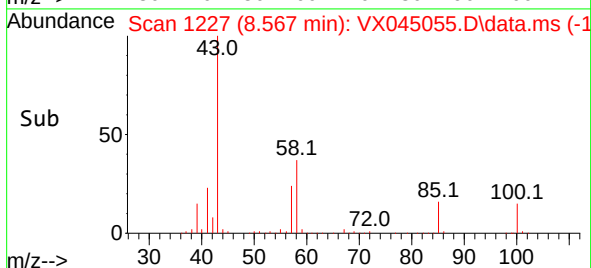
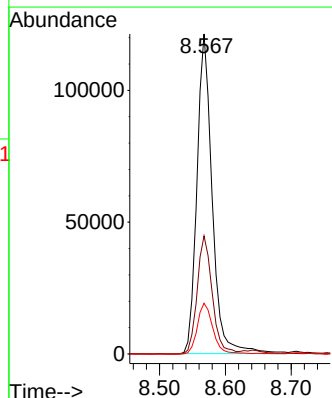
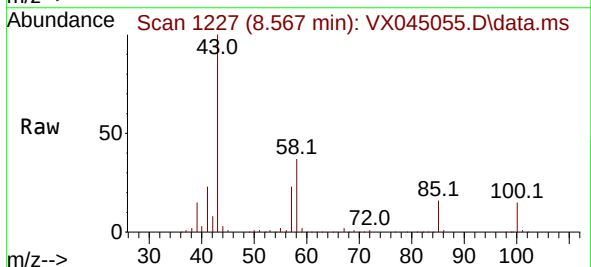
RT: 8.567 min Scan# 1227

Delta R.T. -0.000 min

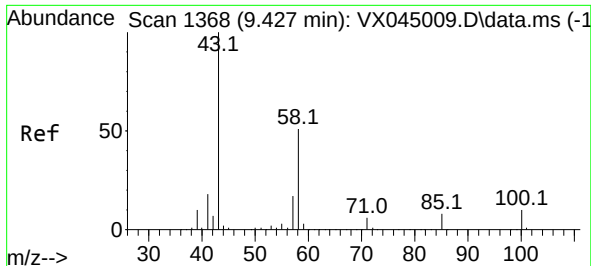
Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 195692 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 36.2  | 29.5  | 44.3   |
| 85        | 16.1  | 12.9  | 19.3   |

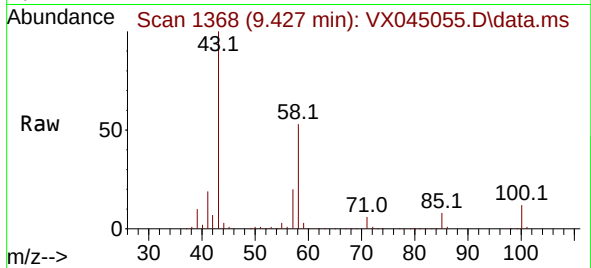






#59  
2-Hexanone  
Concen: 105.097 ug/l  
RT: 9.427 min Scan# 1368  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

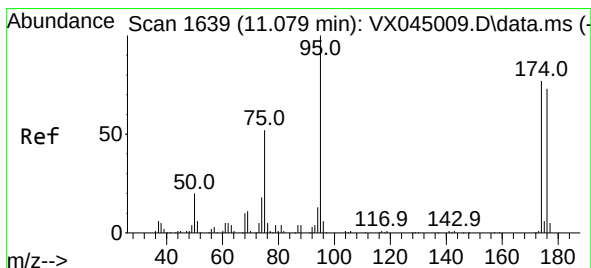
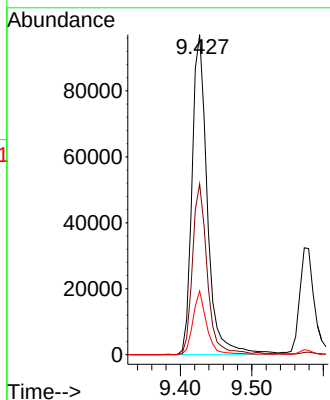
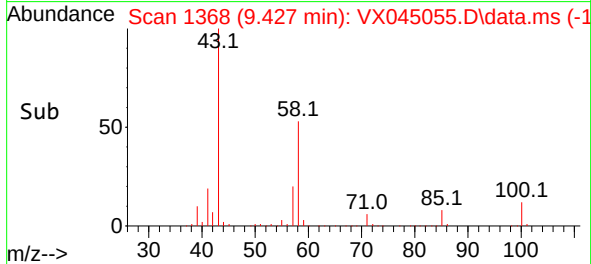
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



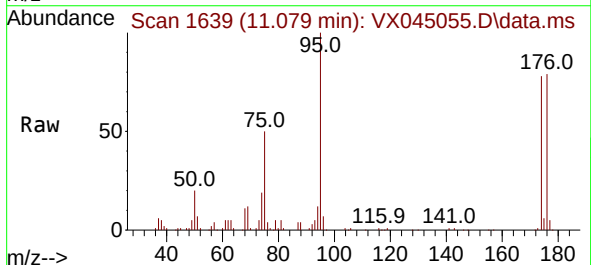
Tgt Ion: 43 Resp: 14418  
Ion Ratio Lower Upper  
43 100  
58 51.2 41.6 62.4  
57 17.9 13.8 20.6

Manual Integrations  
APPROVED

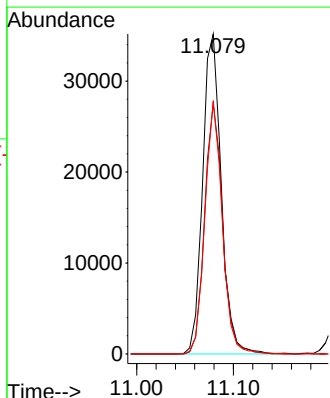
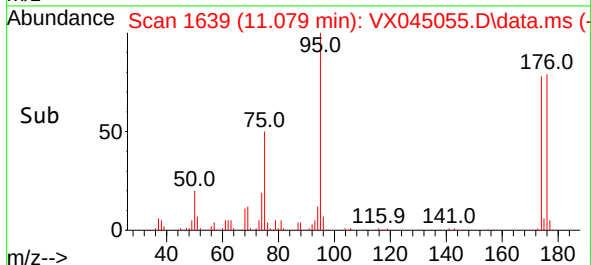
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025

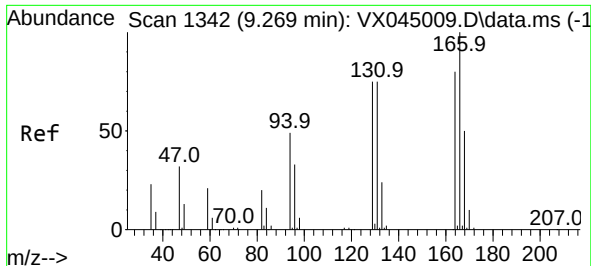


#60  
4-Bromofluorobenzene  
Concen: 30.261 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33



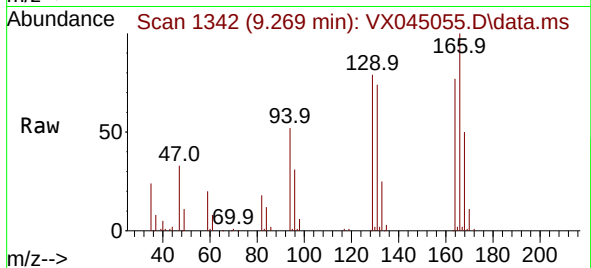
Tgt Ion: 95 Resp: 47194  
Ion Ratio Lower Upper  
95 100  
174 75.8 59.5 89.3  
176 73.5 55.5 83.3





#61  
Tetrachloroethene  
Concen: 18.949 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

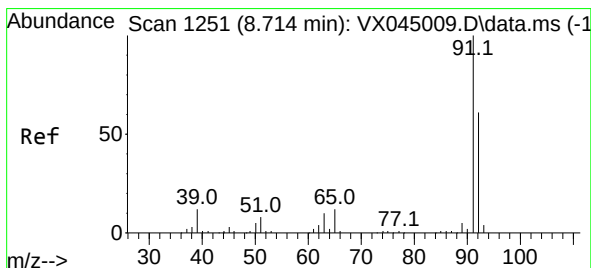
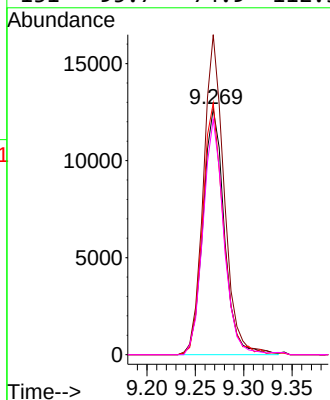
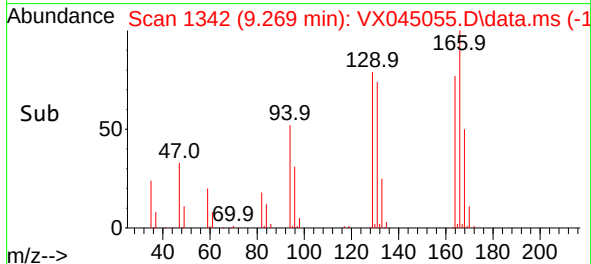
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:164 Resp: 19469  
Ion Ratio Lower Upper  
164 100  
166 130.1 100.3 150.5  
129 102.3 75.5 113.3  
131 95.7 74.9 112.3

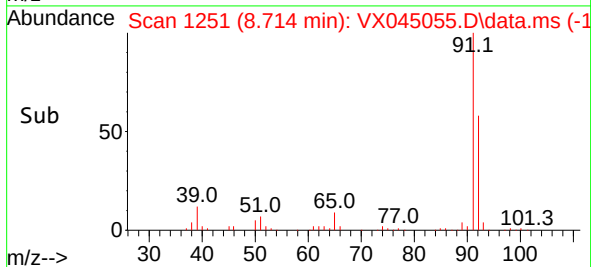
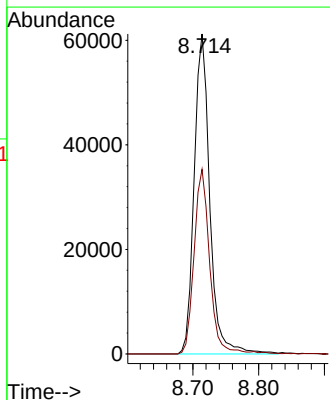
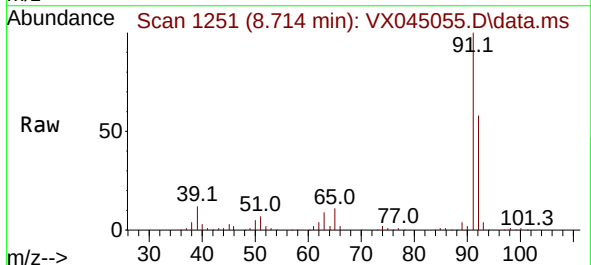
Manual Integrations  
APPROVED

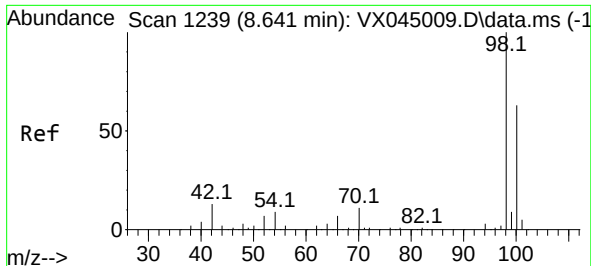
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#62  
Toluene  
Concen: 18.221 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

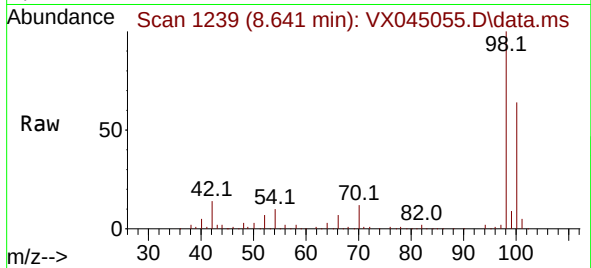
Tgt Ion: 91 Resp: 100712  
Ion Ratio Lower Upper  
91 100  
92 56.6 46.9 70.3





#63  
Toluene-d8  
Concen: 30.385 ug/l  
RT: 8.641 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

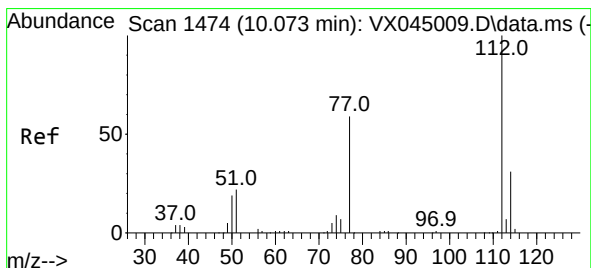
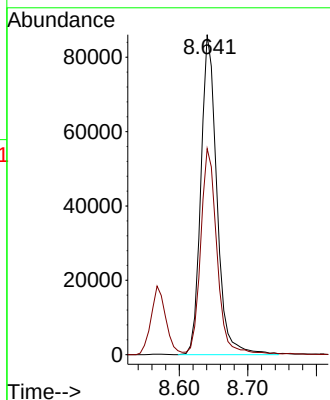
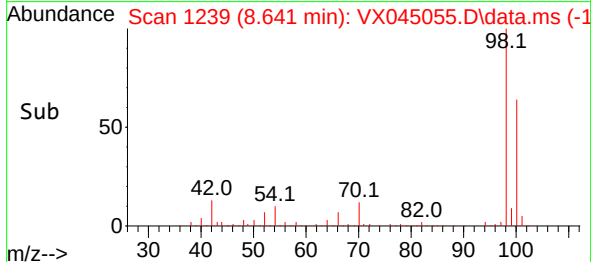
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 98 Resp: 140254  
Ion Ratio Lower Upper  
98 100  
100 65.9 51.7 77.5

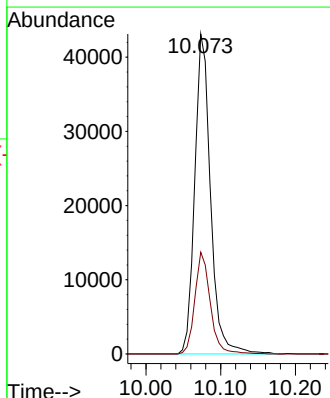
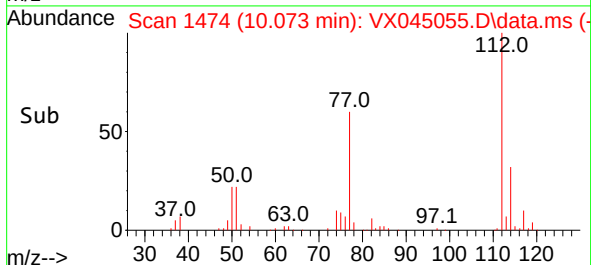
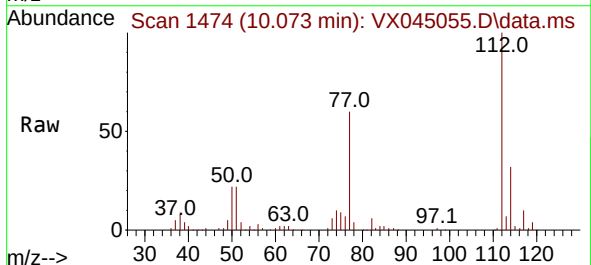
Manual Integrations  
APPROVED

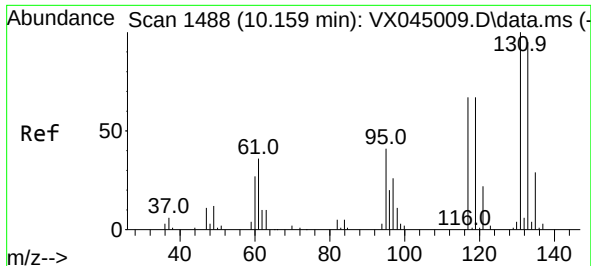
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#64  
Chlorobenzene  
Concen: 18.481 ug/l  
RT: 10.073 min Scan# 1474  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

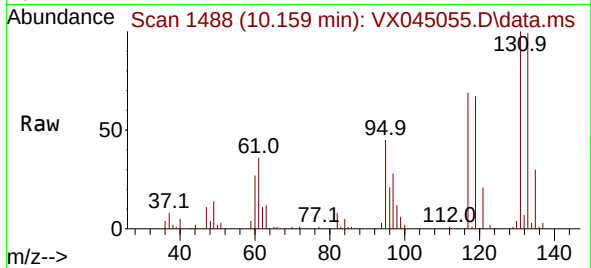
Tgt Ion:112 Resp: 63298  
Ion Ratio Lower Upper  
112 100  
114 31.8 24.7 37.1





#65  
1,1,1,2-Tetrachloroethane  
Concen: 17.983 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

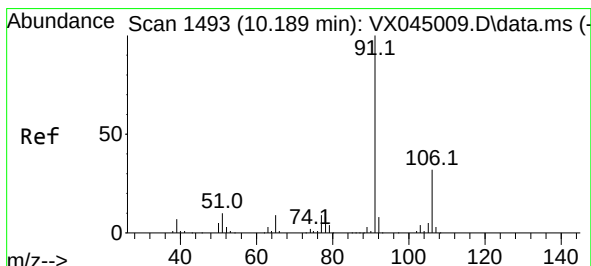
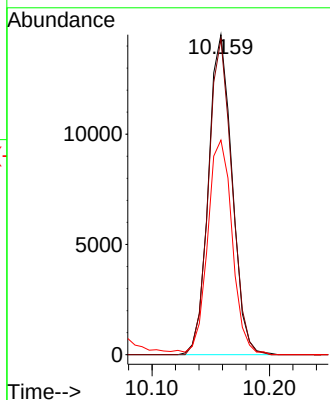
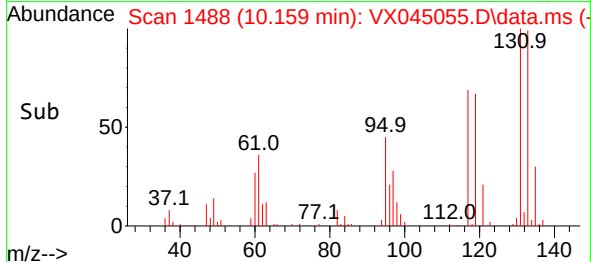
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:131 Resp: 2032  
Ion Ratio Lower Upper  
131 100  
133 97.8 0.0 187.8  
119 69.5 0.0 133.0

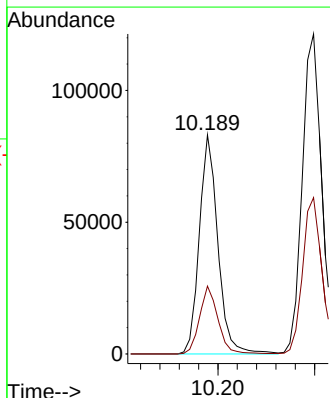
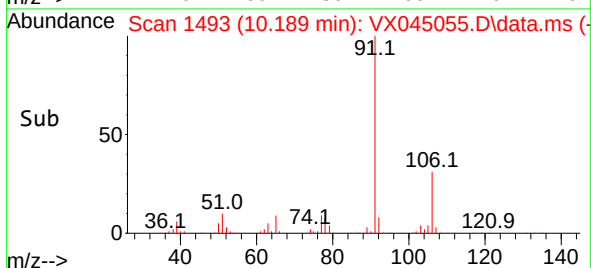
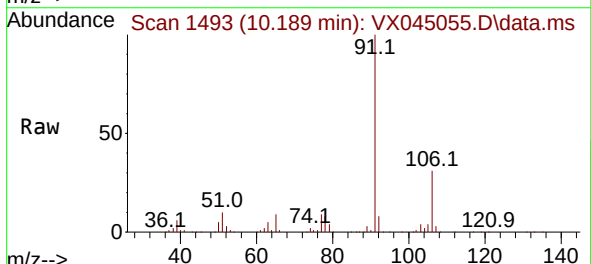
Manual Integrations  
APPROVED

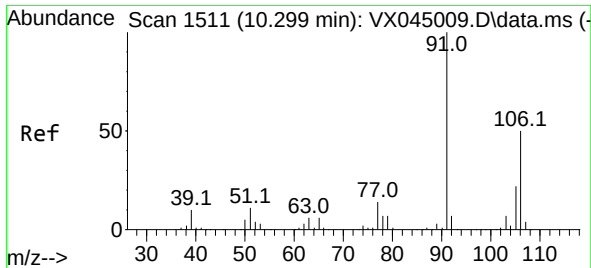
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#66  
Ethyl Benzene  
Concen: 18.391 ug/l  
RT: 10.189 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Tgt Ion: 91 Resp: 111285  
Ion Ratio Lower Upper  
91 100  
106 31.0 25.4 38.2





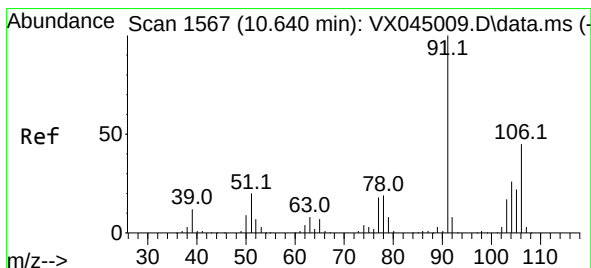
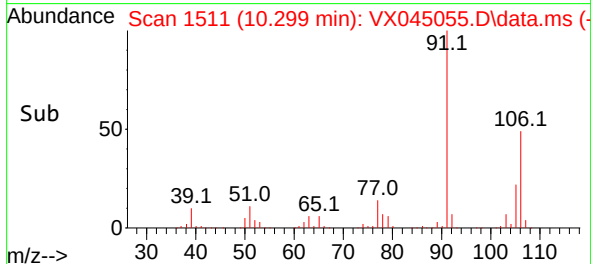
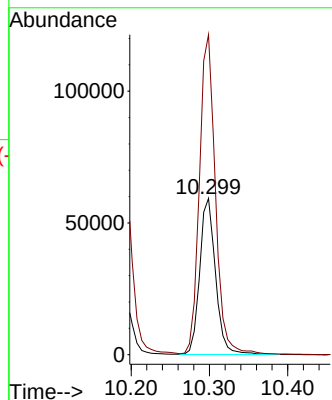
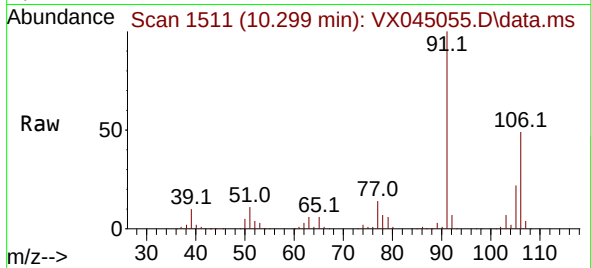
#67  
m/p-Xylenes  
Concen: 36.946 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:106 Resp: 8329  
Ion Ratio Lower Upper  
106 100  
91 203.8 163.7 245.5

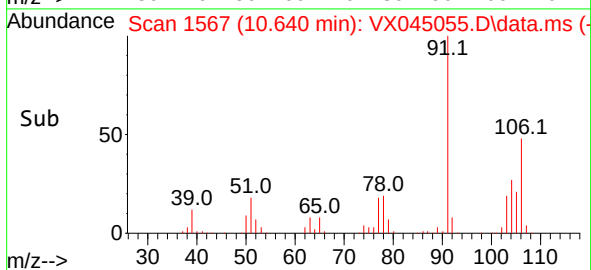
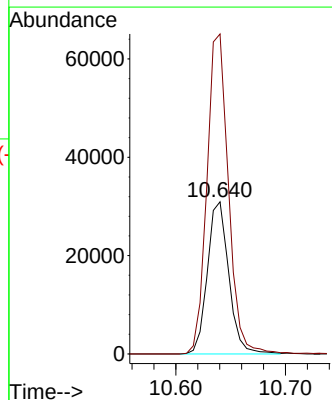
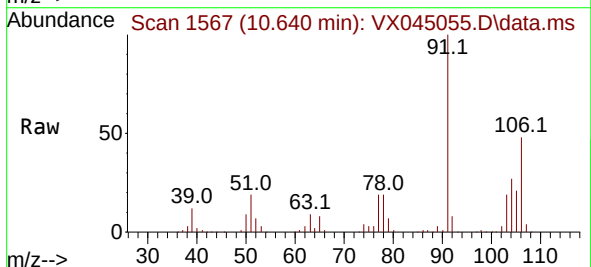
Manual Integrations  
APPROVED

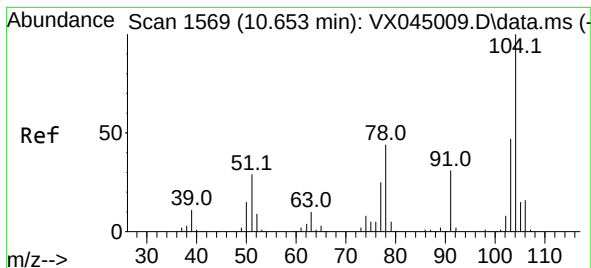
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#68  
o-Xylene  
Concen: 19.012 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Tgt Ion:106 Resp: 42057  
Ion Ratio Lower Upper  
106 100  
91 211.4 109.7 329.1





#69

Styrene

Concen: 18.659 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

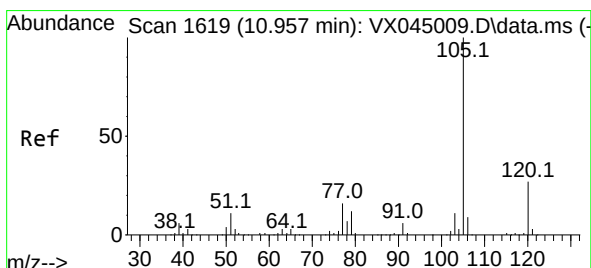
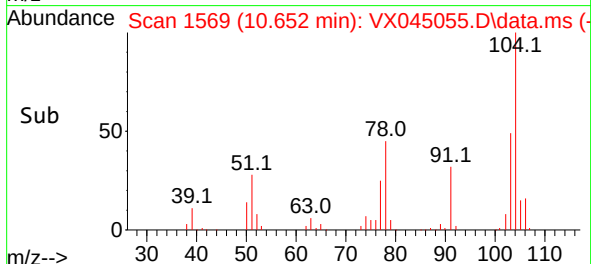
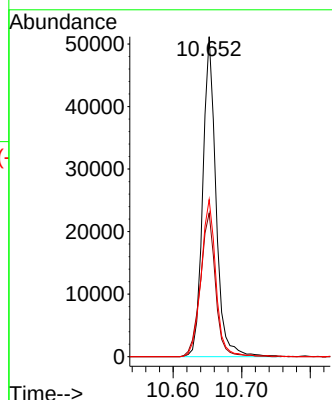
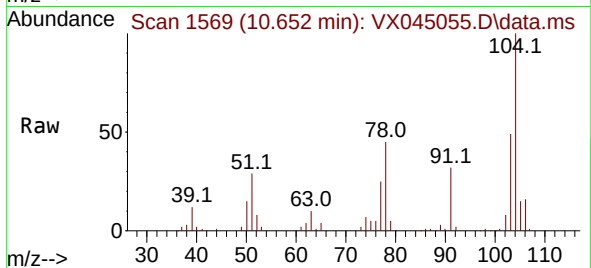
Tgt Ion:104 Resp: 68939  
 Ion Ratio Lower Upper  
 104 100  
 78 50.9 41.4 62.0  
 103 54.2 43.0 64.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#70

Isopropylbenzene

Concen: 18.778 ug/l

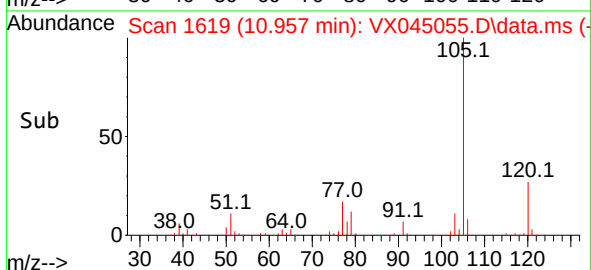
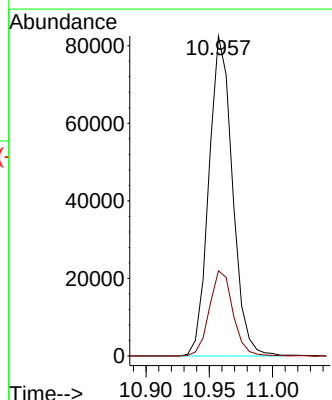
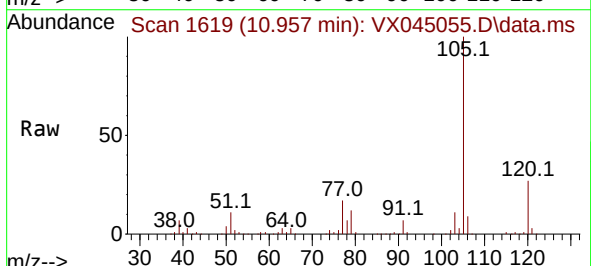
RT: 10.957 min Scan# 1619

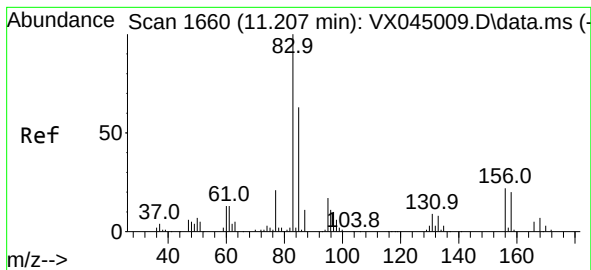
Delta R.T. -0.000 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

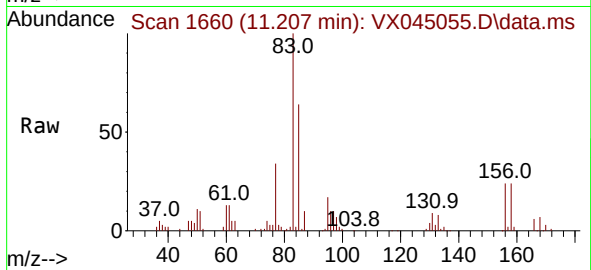
Tgt Ion:105 Resp: 107193  
 Ion Ratio Lower Upper  
 105 100  
 120 26.6 18.4 34.2





#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 19.930 ug/l  
 RT: 11.207 min Scan# 1660  
 Delta R.T. -0.000 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

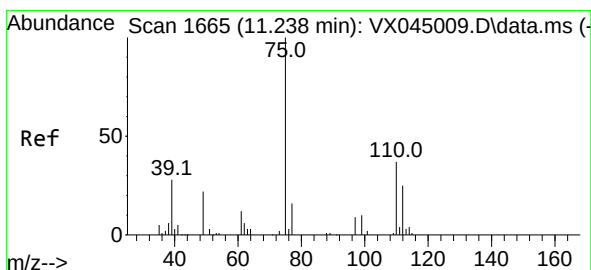
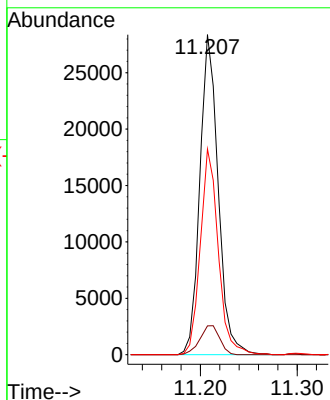
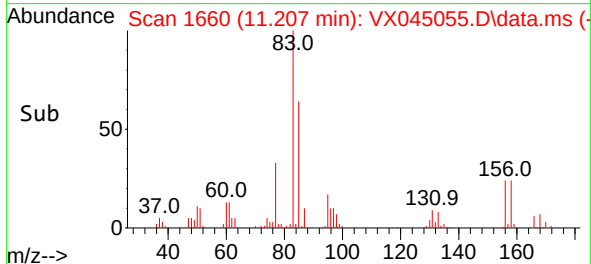
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC



Tgt Ion: 83 Resp: 37412  
 Ion Ratio Lower Upper  
 83 100  
 131 9.8 4.8 14.3  
 85 63.1 32.3 96.8

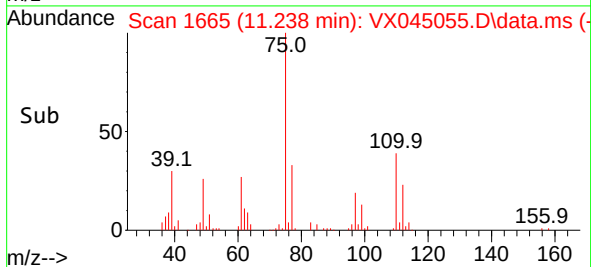
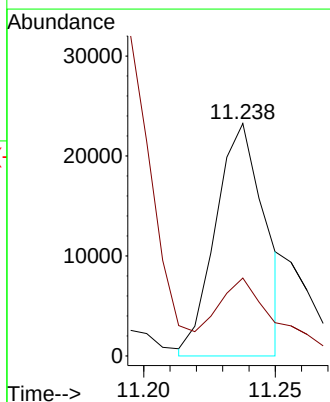
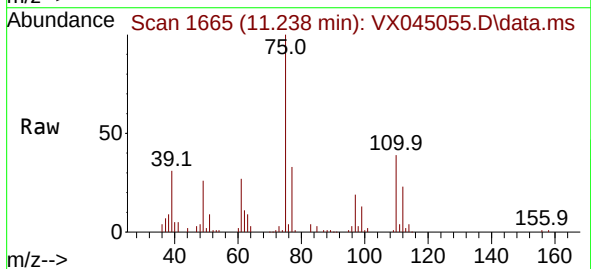
Manual Integrations  
 APPROVED

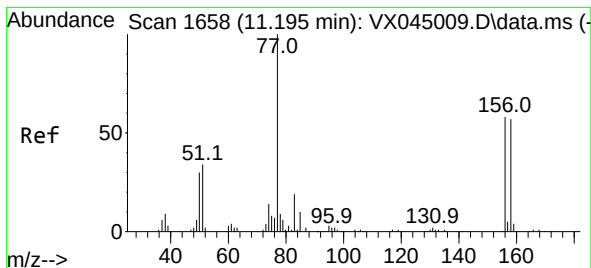
Reviewed By :John Carlone 02/27/2025  
 Supervised By :Mahesh Dadoda 02/27/2025



#72  
 1,2,3-Trichloropropane  
 Concen: 19.571 ug/l m  
 RT: 11.238 min Scan# 1665  
 Delta R.T. -0.000 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

Tgt Ion: 75 Resp: 30217  
 Ion Ratio Lower Upper  
 75 100  
 77 40.1 0.0 84.0





#73

Bromobenzene

Concen: 18.797 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion:156 Resp: 2470

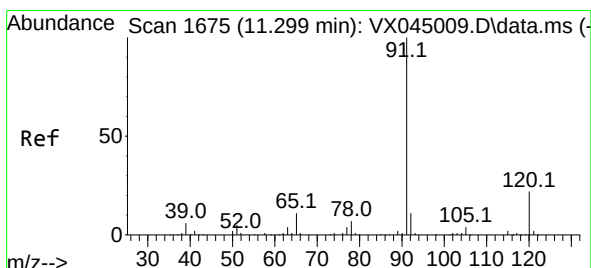
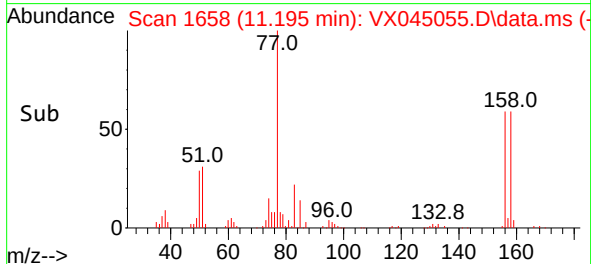
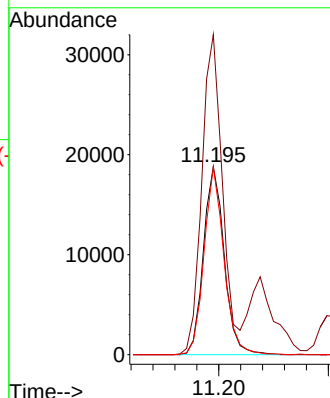
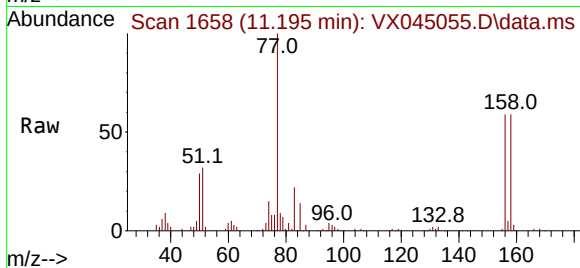
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 156 | 100   |       |       |
| 77  | 169.3 | 0.0   | 347.2 |
| 158 | 95.7  | 0.0   | 197.6 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#74

n-propylbenzene

Concen: 18.442 ug/l

RT: 11.299 min Scan# 1675

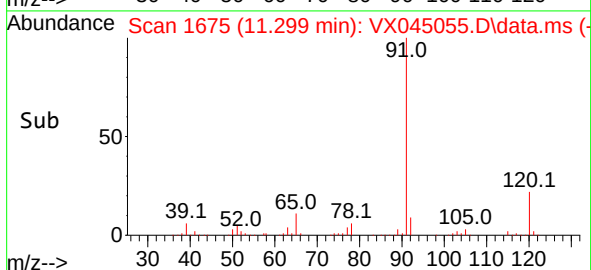
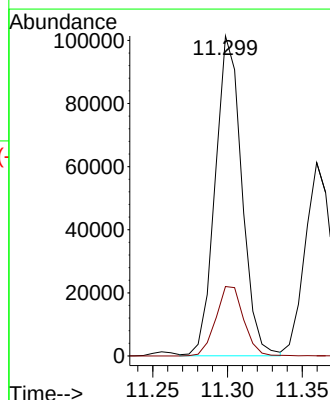
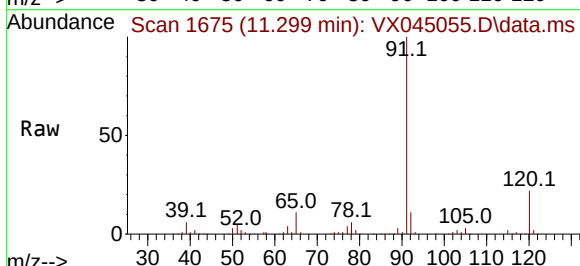
Delta R.T. -0.000 min

Lab File: VX045055.D

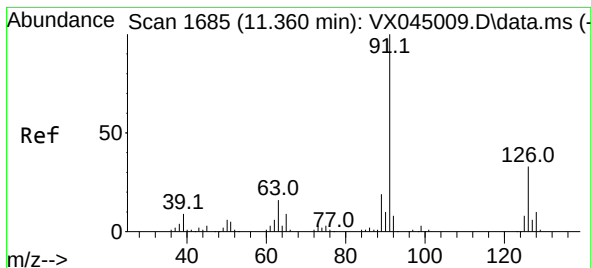
Acq: 26 Feb 2025 16:33

Tgt Ion: 91 Resp: 125284

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 120 | 22.7  | 0.0   | 44.2  |







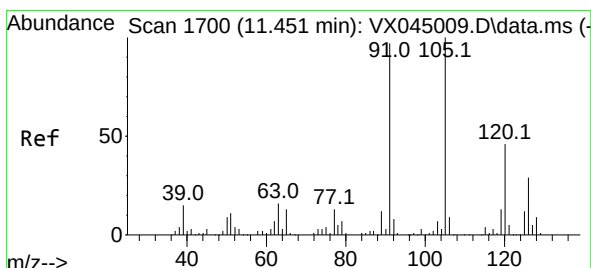
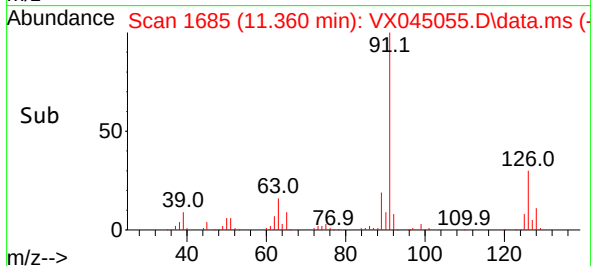
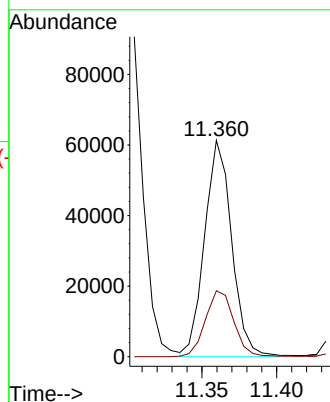
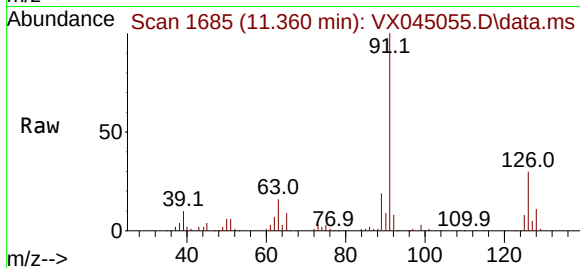
#75  
2-Chlorotoluene  
Concen: 18.841 ug/l  
RT: 11.360 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 91 Resp: 7738  
Ion Ratio Lower Upper  
91 100  
126 31.9 0.0 65.4

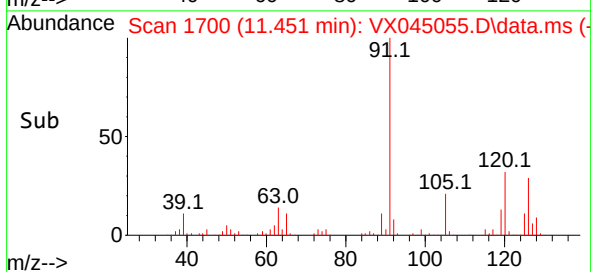
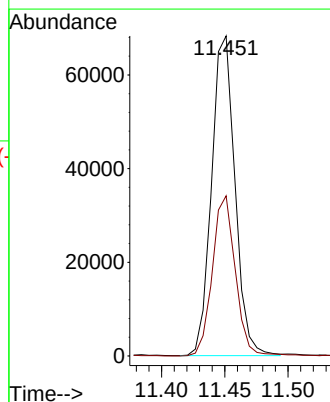
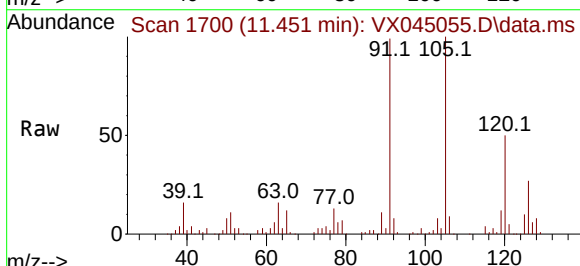
Manual Integrations  
APPROVED

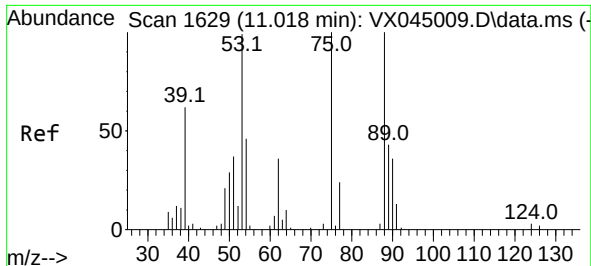
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#76  
1,3,5-Trimethylbenzene  
Concen: 18.649 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

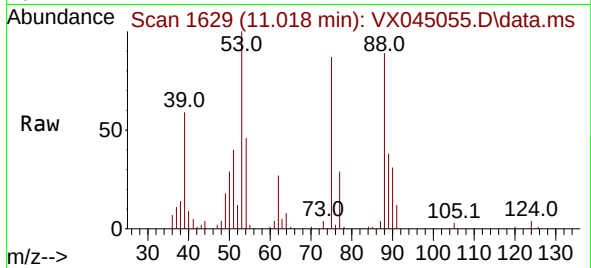
Tgt Ion:105 Resp: 87828  
Ion Ratio Lower Upper  
105 100  
120 49.4 0.0 94.4





#77  
t-1,4-Dichloro-2-butene  
Concen: 18.696 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

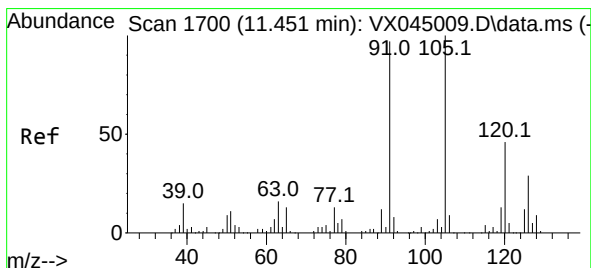
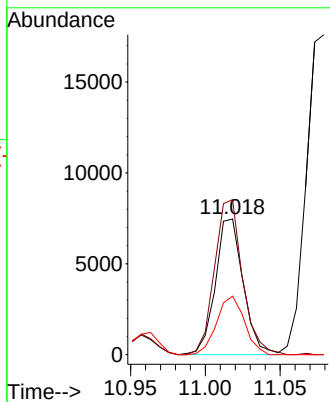
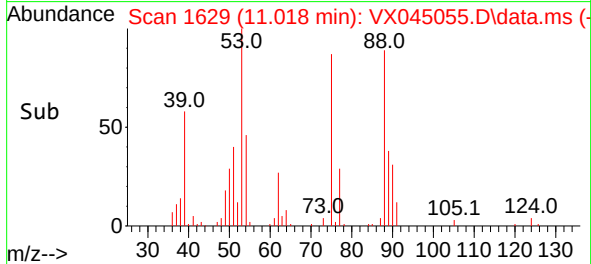
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 75 Resp: 9712  
Ion Ratio Lower Upper  
75 100  
53 114.3 49.8 149.4  
89 43.2 21.4 64.2

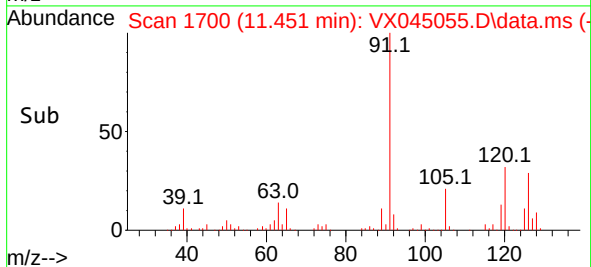
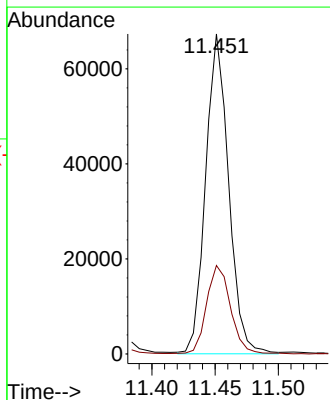
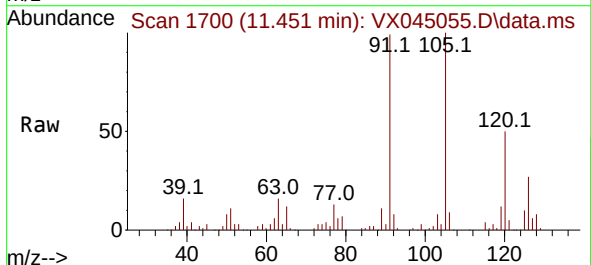
Manual Integrations  
APPROVED

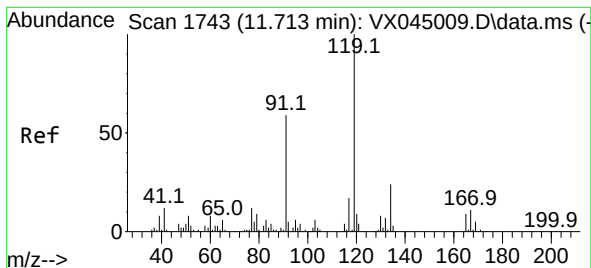
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#78  
4-Chlorotoluene  
Concen: 18.613 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Tgt Ion: 91 Resp: 85215  
Ion Ratio Lower Upper  
91 100  
126 28.7 0.0 58.0





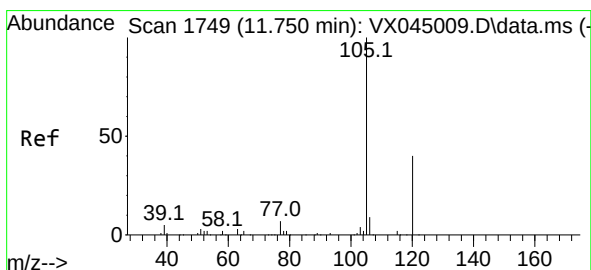
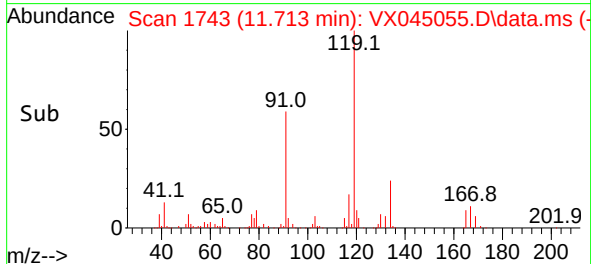
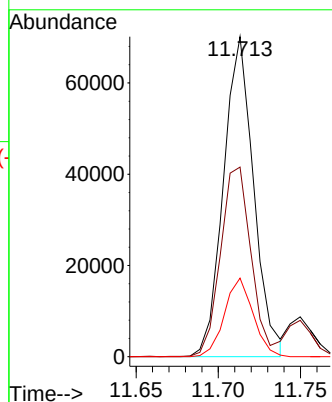
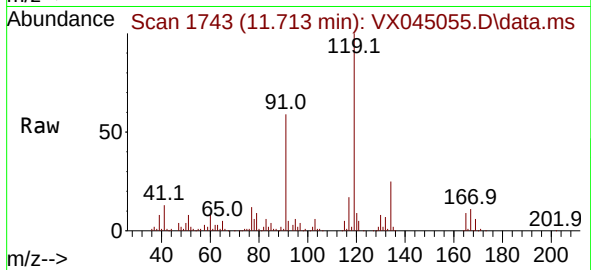
#79  
tert-butylbenzene  
Concen: 18.892 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:119 Resp: 89645  
Ion Ratio Lower Upper  
119 100  
91 59.6 0.0 120.6  
134 23.3 0.0 48.2

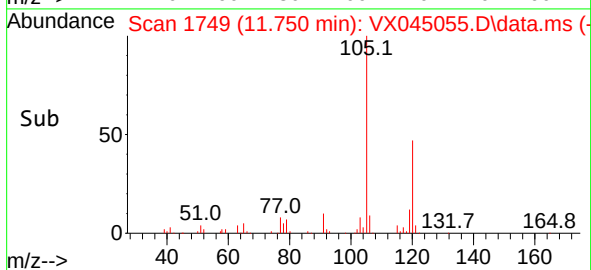
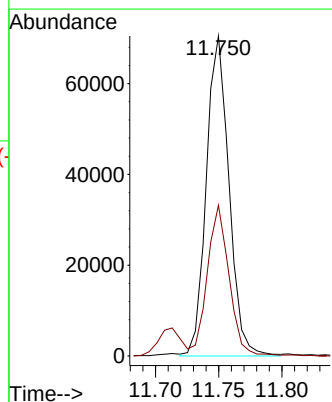
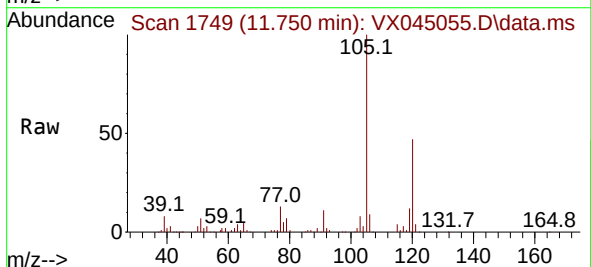
Manual Integrations  
APPROVED

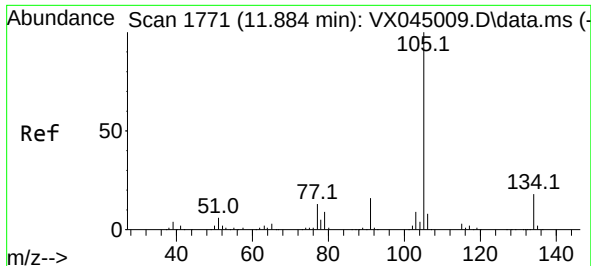
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#80  
1,2,4-Trimethylbenzene  
Concen: 18.627 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

Tgt Ion:105 Resp: 87873  
Ion Ratio Lower Upper  
105 100  
120 45.2 0.0 88.4





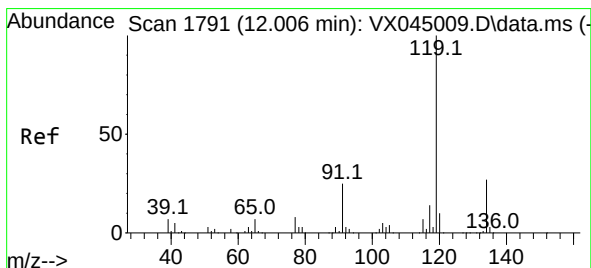
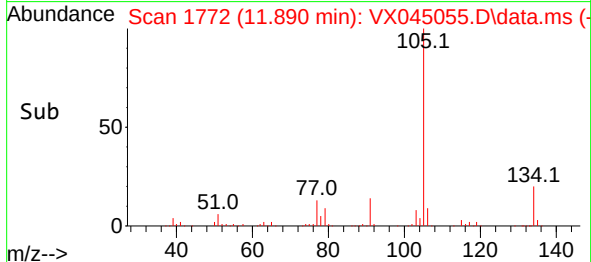
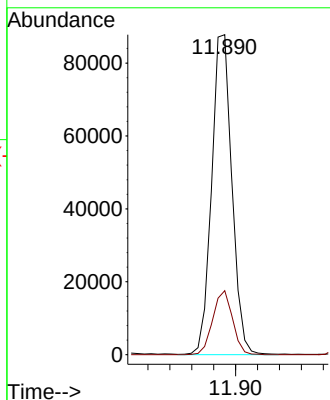
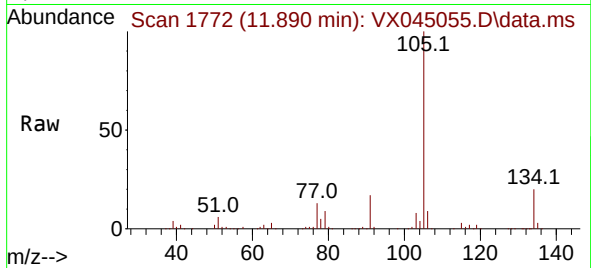
#81  
 sec-Butylbenzene  
 Concen: 18.960 ug/l  
 RT: 11.890 min Scan# 11791  
 Delta R.T. 0.006 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Tgt Ion:105 Resp: 11291  
 Ion Ratio Lower Upper  
 105 100  
 134 19.5 0.0 39.0

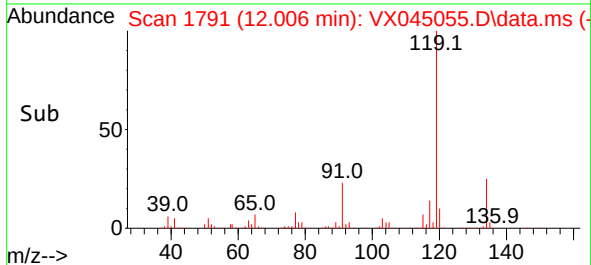
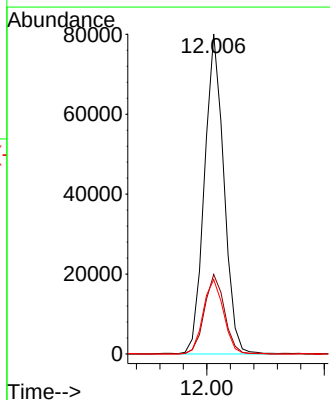
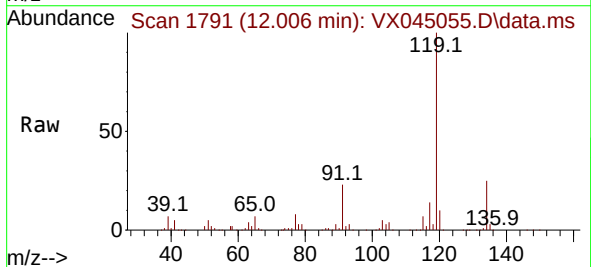
Manual Integrations  
 APPROVED

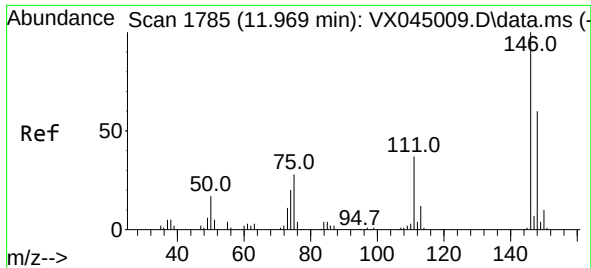
Reviewed By :John Carlone 02/27/2025  
 Supervised By :Mahesh Dadoda 02/27/2025



#82  
 p-Isopropyltoluene  
 Concen: 19.068 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. -0.000 min  
 Lab File: VX045055.D  
 Acq: 26 Feb 2025 16:33

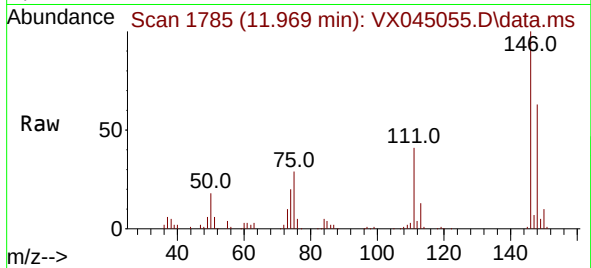
Tgt Ion:119 Resp: 92010  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 0.0 52.6  
 91 24.3 0.0 51.0





#83  
1,3-Dichlorobenzene  
Concen: 18.740 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

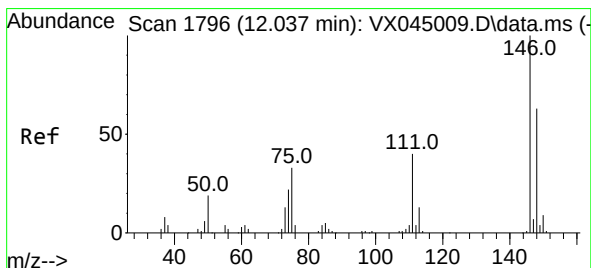
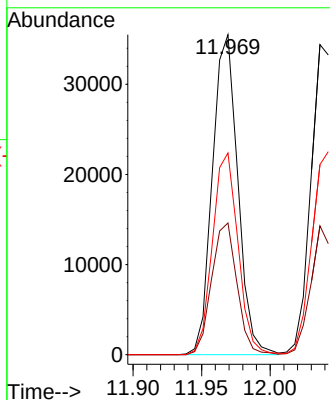
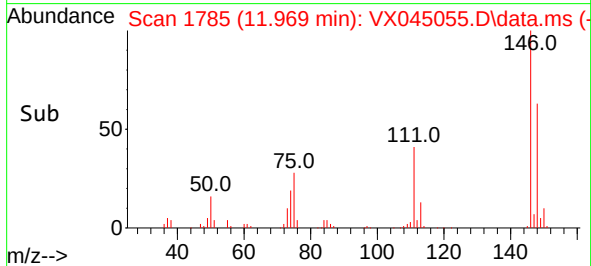
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



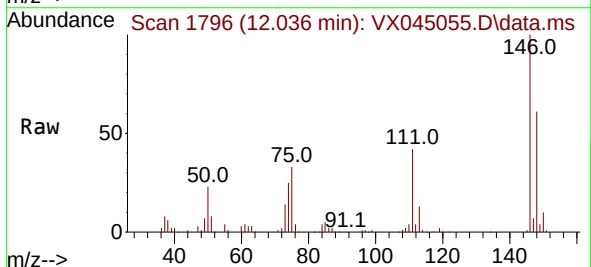
Tgt Ion:146 Resp: 45820  
Ion Ratio Lower Upper  
146 100  
111 41.1 20.2 60.5  
148 63.5 31.2 93.6

Manual Integrations  
APPROVED

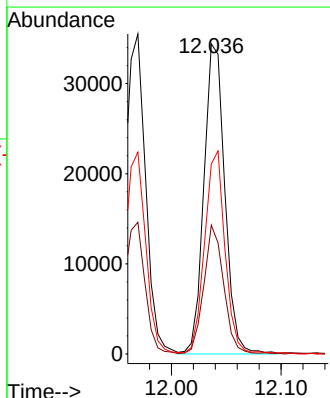
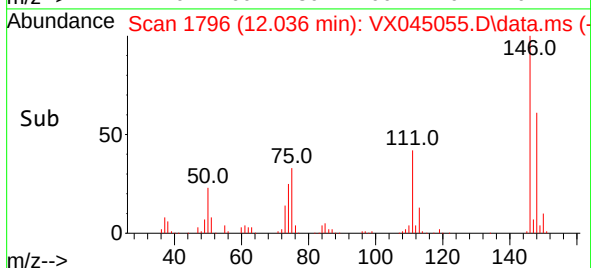
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025

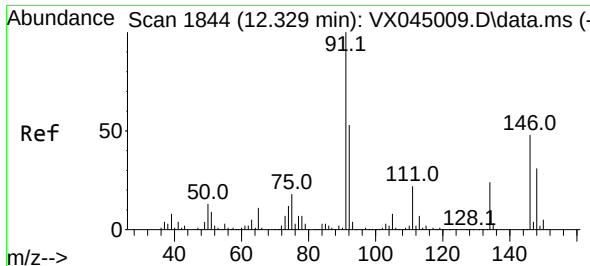


#84  
1,4-Dichlorobenzene  
Concen: 18.950 ug/l  
RT: 12.036 min Scan# 1796  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33



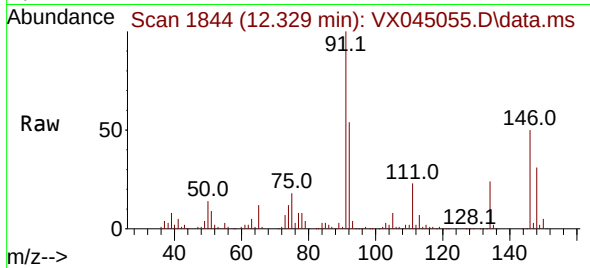
Tgt Ion:146 Resp: 45686  
Ion Ratio Lower Upper  
146 100  
111 39.4 20.4 61.2  
148 62.6 31.8 95.4





#85  
n-Butylbenzene  
Concen: 18.066 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

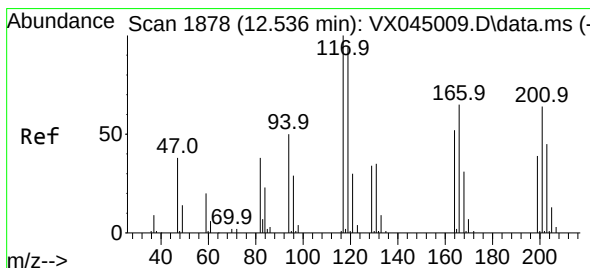
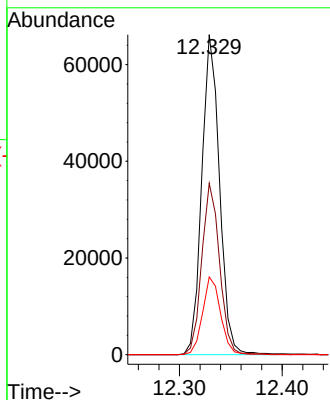
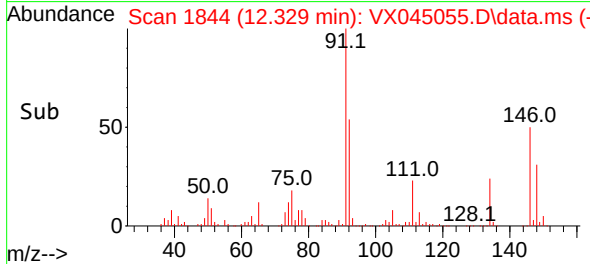
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 91 Resp: 79600  
Ion Ratio Lower Upper  
91 100  
92 53.8 0.0 105.2  
134 24.6 0.0 49.4

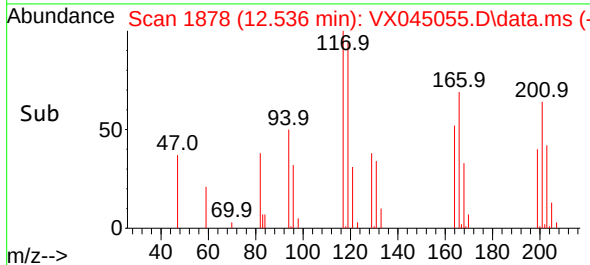
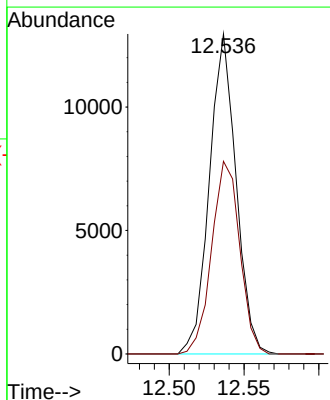
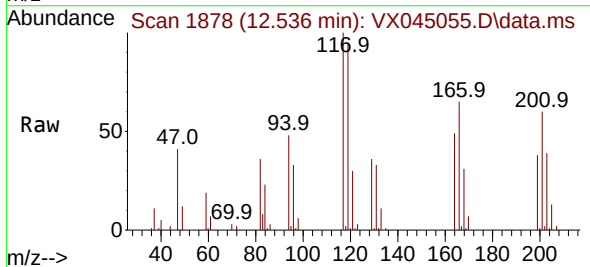
Manual Integrations  
APPROVED

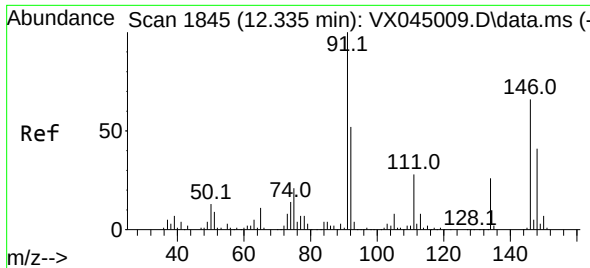
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#86  
Hexachloroethane  
Concen: 18.909 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

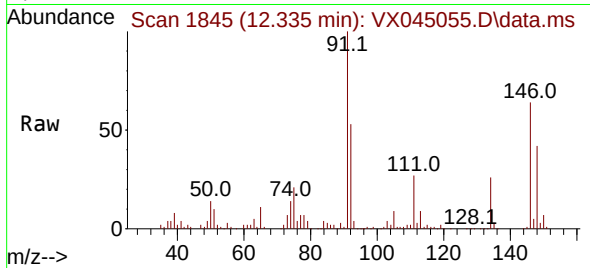
Tgt Ion:117 Resp: 16091  
Ion Ratio Lower Upper  
117 100  
201 63.4 32.6 97.7





#87  
1,2-Dichlorobenzene  
Concen: 19.405 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

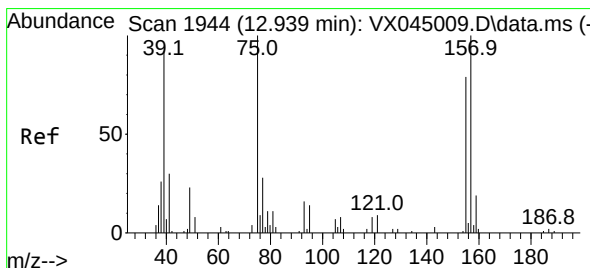
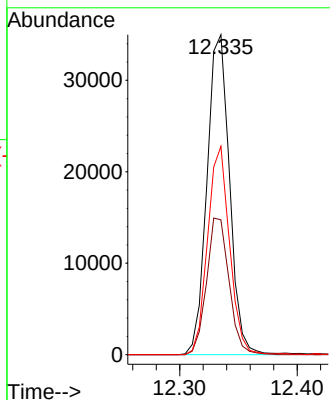
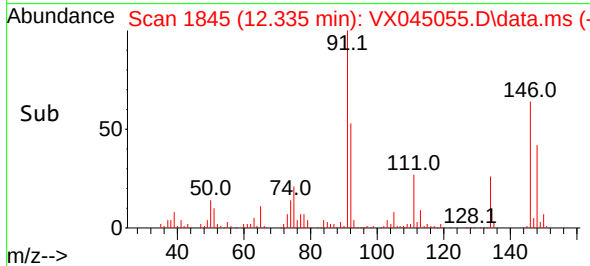
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



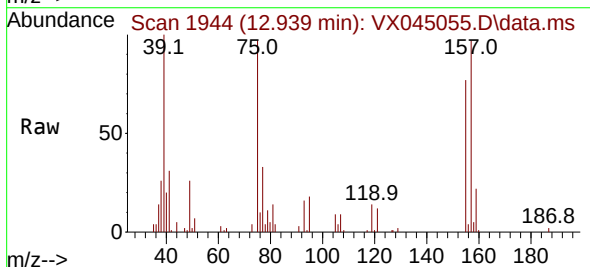
Tgt Ion:146 Resp: 46554  
Ion Ratio Lower Upper  
146 100  
111 42.7 21.7 65.1  
148 63.3 31.8 95.4

Manual Integrations  
APPROVED

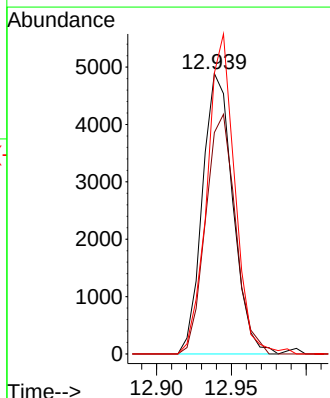
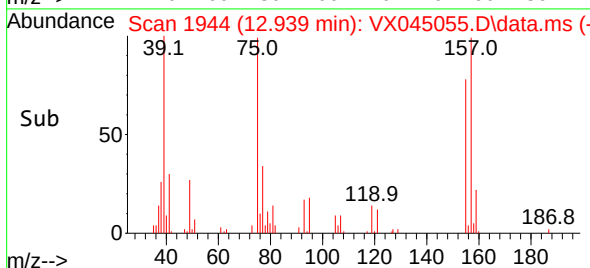
Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025

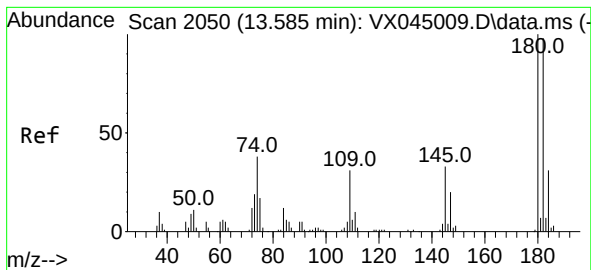


#88  
1,2-Dibromo-3-Chloropropane  
Concen: 19.037 ug/l  
RT: 12.939 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33



Tgt Ion: 75 Resp: 6919  
Ion Ratio Lower Upper  
75 100  
155 84.1 66.2 99.4  
157 103.4 81.4 122.2





#89

1,2,4-Trichlorobenzene

Concen: 18.248 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

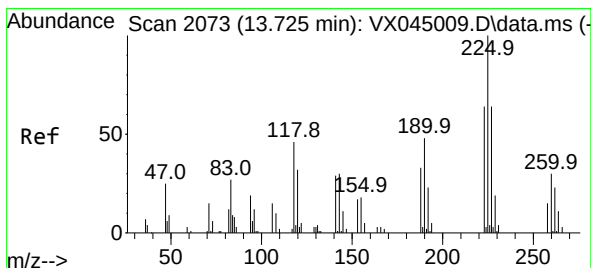
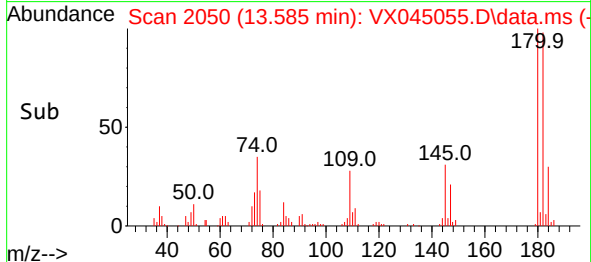
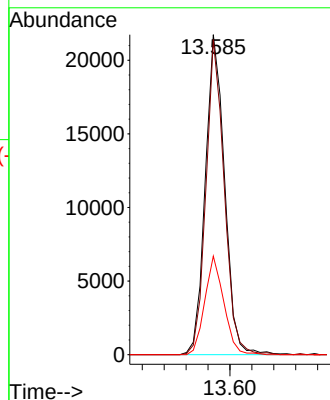
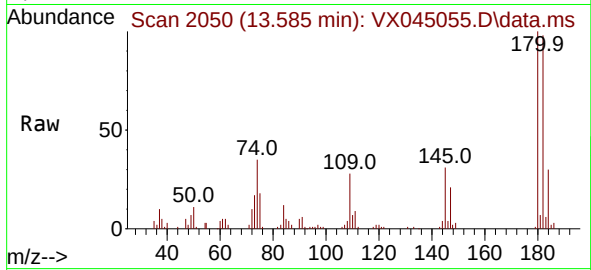
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 26534      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 92.9  | 77.7 116.5 |
| 145         | 30.4  | 25.8 38.6  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#90

Hexachlorobutadiene

Concen: 19.709 ug/l

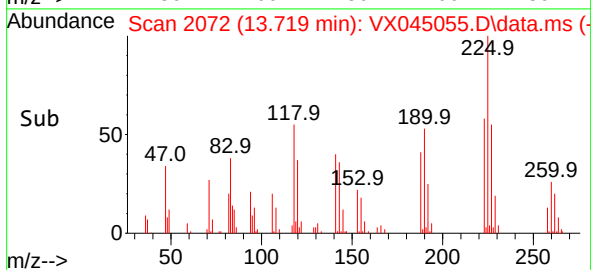
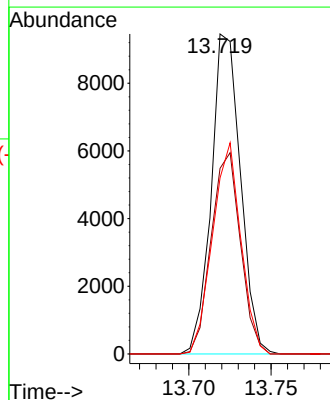
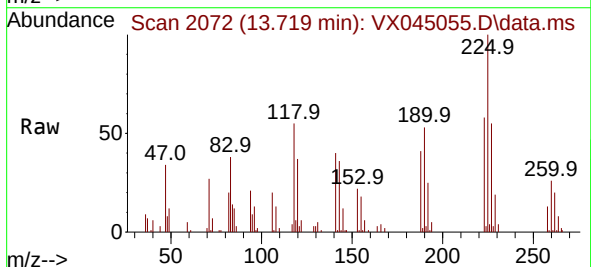
RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

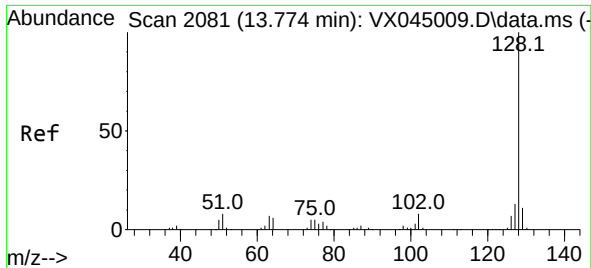
Lab File: VX045055.D

Acq: 26 Feb 2025 16:33

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 11687     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 63.2  | 0.0 123.4 |
| 227         | 64.0  | 0.0 127.4 |

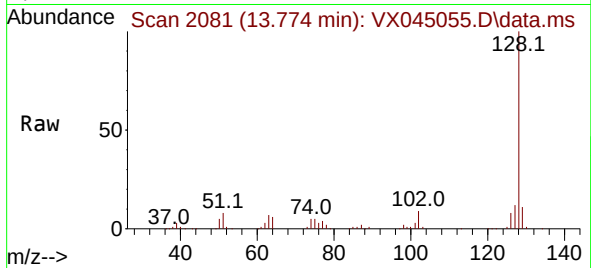






#91  
Naphthalene  
Concen: 18.209 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33

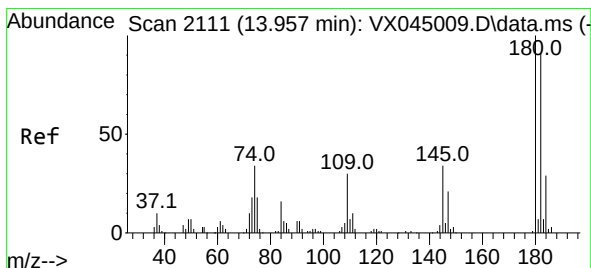
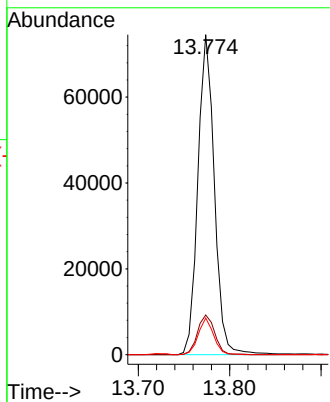
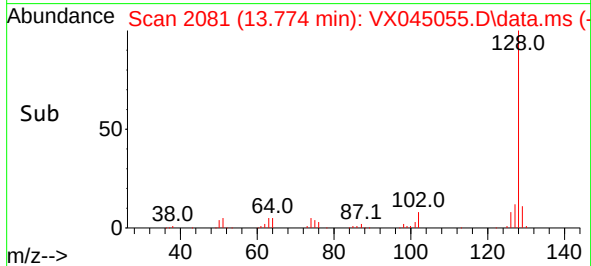
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



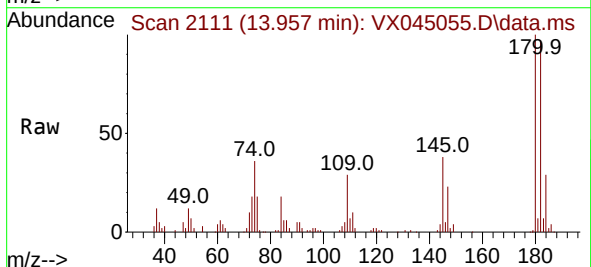
Tgt Ion:128 Resp: 9336  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.5 15.7  
129 10.7 8.7 13.1

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/27/2025  
Supervised By :Mahesh Dadoda 02/27/2025



#92  
1,2,3-Trichlorobenzene  
Concen: 17.767 ug/l  
RT: 13.957 min Scan# 2111  
Delta R.T. -0.000 min  
Lab File: VX045055.D  
Acq: 26 Feb 2025 16:33



Tgt Ion:180 Resp: 26596  
Ion Ratio Lower Upper  
180 100  
182 93.1 0.0 186.6  
145 35.1 0.0 68.4

