

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082824\  
 Data File : VN083526.D  
 Acq On : 28 Aug 2024 09:19  
 Operator : JC\MD  
 Sample : VSTDICC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/28/2024  
 Supervised By : Mahesh Dadoda 08/29/2024

Quant Time: Aug 28 11:59:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N082824W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 28 11:58:08 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon     | Response | Conc       | Units  | Dev(Min) |
|------------------------------|--------|----------|----------|------------|--------|----------|
| -----                        |        |          |          |            |        |          |
| Internal Standards           |        |          |          |            |        |          |
| 1) Bromochloromethane        | 7.812  | 128      | 32226    | 30.000     | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100  | 114      | 194299   | 30.000     | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865 | 117      | 172908   | 30.000     | ug/l   | 0.00     |
|                              |        |          |          |            |        |          |
| System Monitoring Compounds  |        |          |          |            |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.577  | 65       | 86394    | 32.020     | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 110 | Recovery | = 106.733% |        |          |
| 60) 4-Bromofluorobenzene     | 12.847 | 95       | 90942    | 31.604     | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range  | 63 - 112 | Recovery | = 105.333% |        |          |
| 63) Toluene-d8               | 10.565 | 98       | 236310   | 28.778     | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 112 | Recovery | = 95.933%  |        |          |
|                              |        |          |          |            |        |          |
| Target Compounds             |        |          |          |            |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124  | 85       | 111095   | 60.732     | ug/l   | 99       |
| 3) Chloromethane             | 2.359  | 50       | 110277   | 51.982     | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.512  | 62       | 116583   | 58.173     | ug/l   | 96       |
| 5) Bromomethane              | 2.901  | 94       | 55501    | 53.073     | ug/l   | 98       |
| 6) Chloroethane              | 3.065  | 64       | 74038    | 65.241     | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.465  | 101      | 193181   | 65.875     | ug/l   | 96       |
| 8) Diethyl Ether             | 3.959  | 74       | 67320    | 47.422     | ug/l   | 85       |
| 9) 1,1,2-Trichlorotrifluo... | 4.359  | 101      | 105968   | 52.652     | ug/l   | 95       |
| 10) 1,1-Dichloroethene       | 4.324  | 96       | 99988    | 50.775     | ug/l   | 88       |
| 11) Methyl Iodide            | 4.577  | 142      | 139754   | 77.694     | ug/l   | 93       |
| 12) Methyl Acetate           | 5.024  | 43       | 172049m  | 68.342     | ug/l   |          |
| 13) Acrolein                 | 4.171  | 56       | 72204    | 137.723    | ug/l   | 100      |
| 14) Acrylonitrile            | 5.718  | 53       | 268129   | 238.550    | ug/l   | 97       |
| 15) Acetone                  | 4.430  | 58       | 79321    | 312.918    | ug/l   | 77       |
| 16) Carbon Disulfide         | 4.700  | 76       | 266951   | 48.990     | ug/l   | 96       |
| 17) Allyl chloride           | 5.012  | 41       | 184831   | 52.438     | ug/l   | 89       |
| 18) Methylene Chloride       | 5.271  | 84       | 112023   | 50.058     | ug/l   | 87       |
| 19) trans-1,2-Dichloroethene | 5.777  | 96       | 103621   | 50.553     | ug/l   | 98       |
| 20) Diisopropyl ether        | 6.671  | 45       | 371019   | 48.562     | ug/l   | 94       |
| 21) 1,1-Dichloroethane       | 6.565  | 63       | 203732   | 50.361     | ug/l   | 93       |
| 22) cis-1,2-Dichloroethene   | 7.483  | 96       | 129549   | 51.749     | ug/l   | 93       |
| 23) tert-Butyl Alcohol       | 5.536  | 59       | 114280m  | 246.784    | ug/l   |          |
| 24) Methyl tert-Butyl Ether  | 5.794  | 73       | 376801m  | 53.134     | ug/l   |          |
| 25) Chloroform               | 7.965  | 83       | 216679   | 55.674     | ug/l   | 100      |
| 26) Cyclohexane              | 8.253  | 56       | 179444   | 51.603     | ug/l # | 88       |
| 29) 1,1-Dichloropropene      | 8.371  | 75       | 149848   | 51.803     | ug/l   | 98       |
| 30) 2-Butanone               | 7.483  | 43       | 378114   | 253.585    | ug/l   | 96       |
| 31) 2,2-Dichloropropane      | 7.483  | 77       | 197346   | 66.573     | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97       | 204938   | 61.602     | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 8.359  | 117      | 178401   | 66.077     | ug/l   | 96       |
| 34) Benzene                  | 8.606  | 78       | 455031   | 49.309     | ug/l   | 98       |
| 35) Methacrylonitrile        | 7.777  | 41       | 88995    | 47.177     | ug/l   | 91       |
| 36) 1,2-Dichloroethane       | 8.671  | 62       | 172130   | 55.565     | ug/l   | 95       |
| 37) Trichloroethene          | 9.353  | 130      | 106717   | 47.214     | ug/l   | 93       |
| 38) Methylcyclohexane        | 9.600  | 83       | 186383   | 53.338     | ug/l   | 96       |
| 39) 1,2-Dichloropropane      | 9.624  | 63       | 111202   | 46.963     | ug/l   | 97       |
| 40) Dibromomethane           | 9.706  | 93       | 79976    | 52.576     | ug/l   | 95       |
| 41) Bromodichloromethane     | 9.888  | 83       | 174280   | 53.603     | ug/l   | 98       |
| 42) Vinyl Acetate            | 6.600  | 43       | 1896682  | 298.854    | ug/l   | 98       |

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 Sample : VSTDICC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC050

Manual Integrations  
 APPROVED

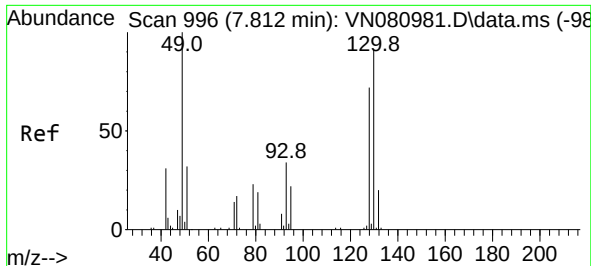
Reviewed By : John Carlone 08/28/2024  
 Supervised By : Mahesh Dadoda 08/29/2024

Quant Time: Aug 28 11:59:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N082824W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 28 11:58:08 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.559  | 43   | 159010   | 48.744  | ug/l   | 97       |
| 44) Isopropyl Acetate         | 8.688  | 43   | 301891   | 52.312  | ug/l # | 86       |
| 45) 1,4-Dioxane               | 9.700  | 88   | 44035    | 951.354 | ug/l # | 90       |
| 46) Methyl methacrylate       | 9.682  | 41   | 131904   | 50.024  | ug/l   | 83       |
| 47) n-amyl Acetate            | 12.494 | 43   | 244108   | 46.906  | ug/l   | 90       |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 182836   | 51.857  | ug/l   | 90       |
| 49) cis-1,3-Dichloropropene   | 10.312 | 75   | 189199   | 50.754  | ug/l # | 86       |
| 50) 1,1,2-Trichloroethane     | 11.018 | 97   | 107775   | 52.223  | ug/l   | 96       |
| 51) Ethyl methacrylate        | 10.876 | 69   | 185726   | 47.683  | ug/l   | 81       |
| 52) 1,3-Dichloropropane       | 11.165 | 76   | 187862   | 49.547  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.359 | 129  | 127737   | 56.889  | ug/l   | 98       |
| 54) 1,2-Dibromoethane         | 11.471 | 107  | 111305   | 54.079  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 352819   | 181.145 | ug/l   | 99       |
| 56) Bromoform                 | 12.582 | 173  | 82979    | 60.720  | ug/l # | 98       |
| 58) 4-Methyl-2-Pentanone      | 10.447 | 43   | 768065   | 228.782 | ug/l # | 90       |
| 59) 2-Hexanone                | 11.194 | 43   | 587760   | 236.116 | ug/l   | 90       |
| 61) Tetrachloroethene         | 11.106 | 164  | 90078    | 46.950  | ug/l   | 95       |
| 62) Toluene                   | 10.629 | 91   | 493450   | 50.721  | ug/l   | 100      |
| 64) Chlorobenzene             | 11.888 | 112  | 309206   | 51.963  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 108845   | 55.887  | ug/l   | 96       |
| 66) Ethyl Benzene             | 11.965 | 91   | 572106   | 53.648  | ug/l   | 98       |
| 67) m/p-Xylenes               | 12.070 | 106  | 421535   | 106.614 | ug/l   | 97       |
| 68) o-Xylene                  | 12.400 | 106  | 206633   | 52.822  | ug/l   | 97       |
| 69) Styrene                   | 12.412 | 104  | 352001   | 53.604  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.694 | 105  | 552464   | 55.608  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 158014   | 55.268  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 12.994 | 75   | 117543m  | 50.244  | ug/l   |          |
| 73) Bromobenzene              | 12.982 | 156  | 122257   | 57.486  | ug/l   | 91       |
| 74) n-propylbenzene           | 13.035 | 91   | 644419   | 54.939  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 404794   | 55.825  | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 462019   | 57.453  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 60483    | 50.814  | ug/l   | 93       |
| 78) 4-Chlorotoluene           | 13.223 | 91   | 390695   | 54.998  | ug/l   | 100      |
| 79) tert-butylbenzene         | 13.441 | 119  | 412077   | 59.515  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 468554   | 58.007  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 13.617 | 105  | 556197   | 57.306  | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 13.729 | 119  | 471102   | 61.384  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.735 | 146  | 235991   | 61.626  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.812 | 146  | 237043   | 61.586  | ug/l   | 99       |
| 85) n-Butylbenzene            | 14.059 | 91   | 407027   | 58.060  | ug/l   | 98       |
| 86) Hexachloroethane          | 14.335 | 117  | 90852    | 59.370  | ug/l   | 89       |
| 87) 1,2-Dichlorobenzene       | 14.106 | 146  | 237765   | 62.339  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 37647    | 58.680  | ug/l   | 93       |
| 89) 1,2,4-Trichlorobenzene    | 15.841 | 180  | 130356   | 62.071  | ug/l   | 100      |
| 90) Hexachlorobutadiene       | 15.500 | 225  | 55160    | 70.918  | ug/l   | 99       |
| 91) Naphthalene               | 15.641 | 128  | 454431   | 56.922  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 130356   | 62.071  | ug/l   | 100      |

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





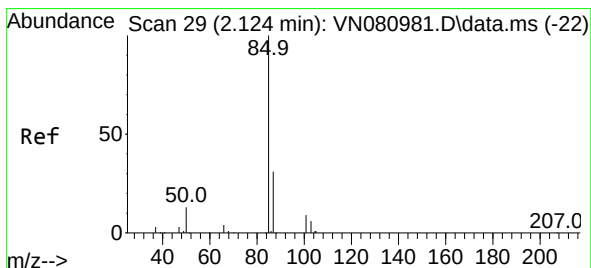
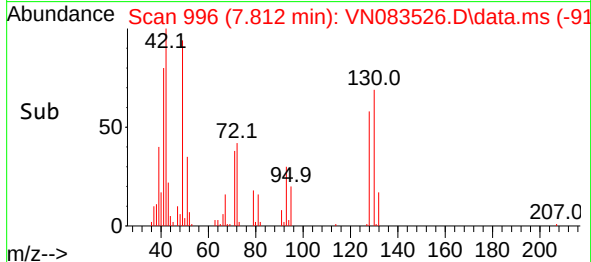
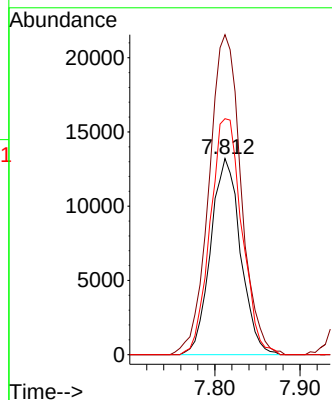
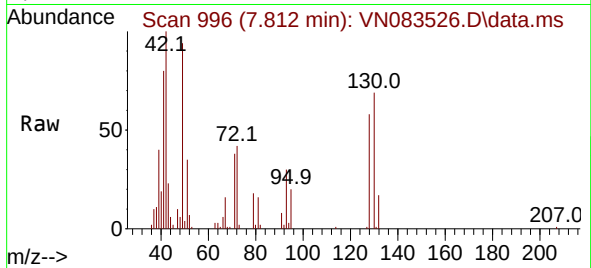
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

Tgt Ion:128 Resp: 32220  
Ion Ratio Lower Upper  
128 100  
49 174.5 0.0 403.7  
130 127.6 0.0 323.3

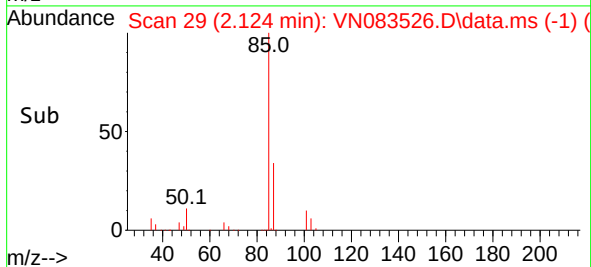
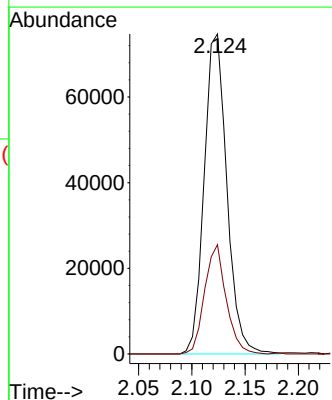
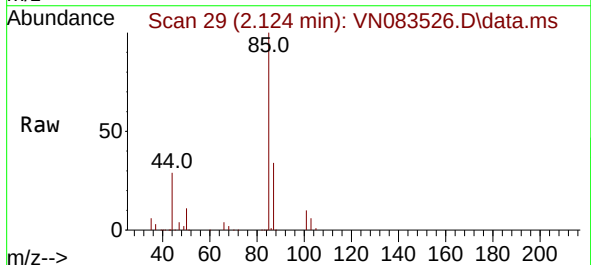
Manual Integrations  
APPROVED

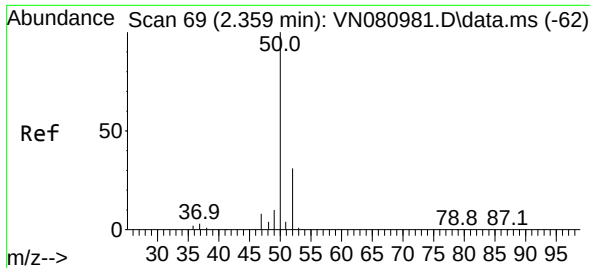
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#2  
Dichlorodifluoromethane  
Concen: 60.732 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

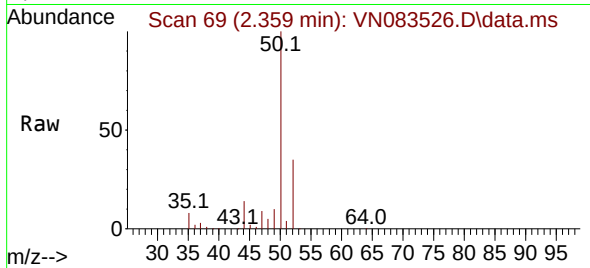
Tgt Ion: 85 Resp: 111095  
Ion Ratio Lower Upper  
85 100  
87 34.2 16.8 50.3





#3  
Chloromethane  
Concen: 51.982 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

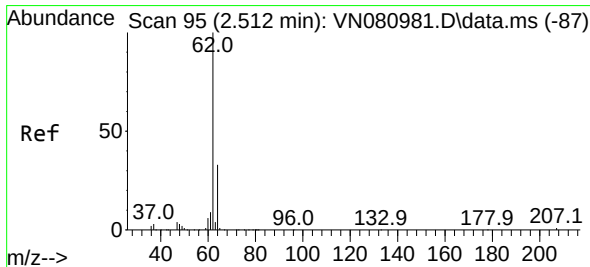
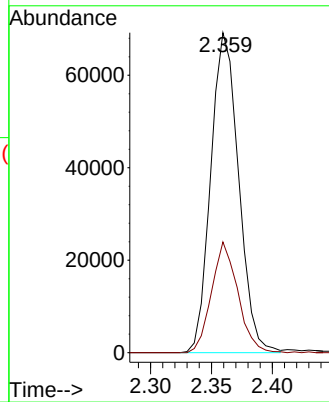
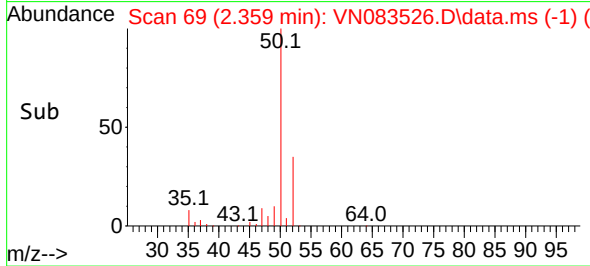
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050



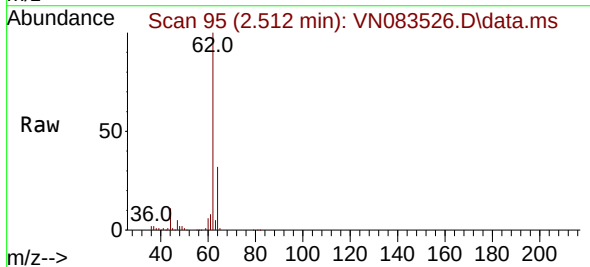
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Ion Ratio Lower Upper  
50 100  
52 34.6 25.4 38.0

Manual Integrations  
APPROVED

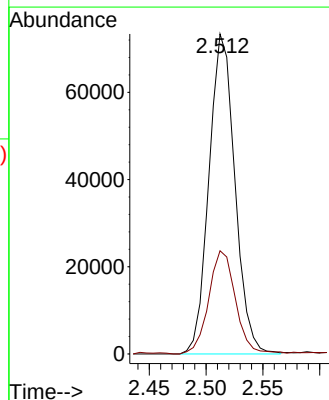
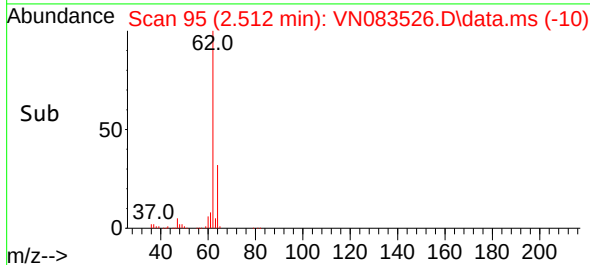
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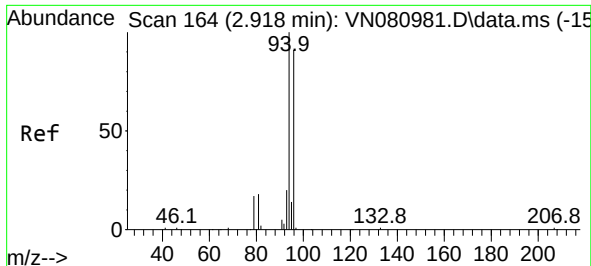


#4  
Vinyl Chloride  
Concen: 58.173 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19



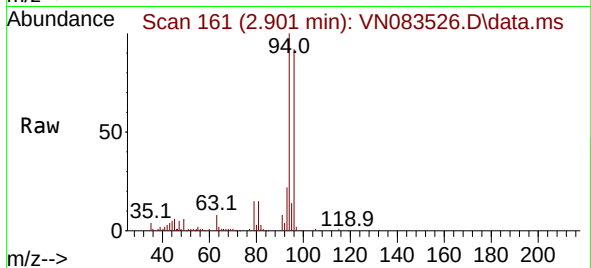
Tgt Ion: 62 Resp: 116583  
Ion Ratio Lower Upper  
62 100  
64 32.3 24.1 36.1





#5  
Bromomethane  
Concen: 53.073 ug/l  
RT: 2.901 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

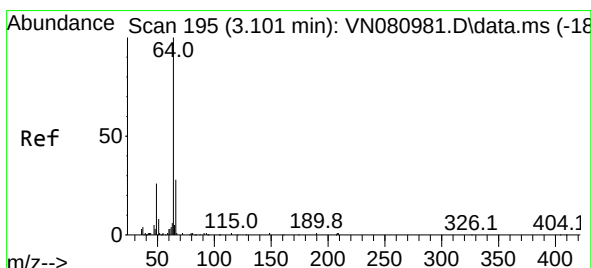
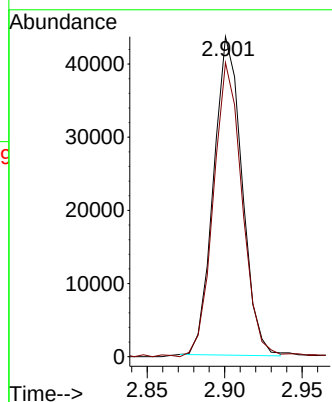
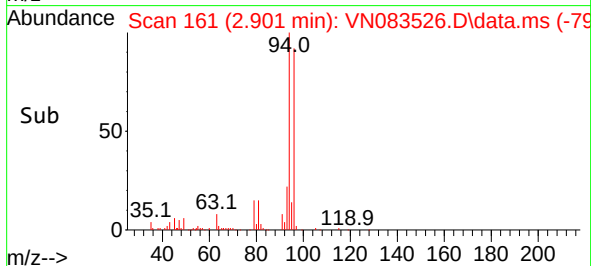
Instrument :  
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Tgt Ion: 94 Resp: 5550  
Ion Ratio Lower Upper  
94 100  
96 92.5 72.8 109.2

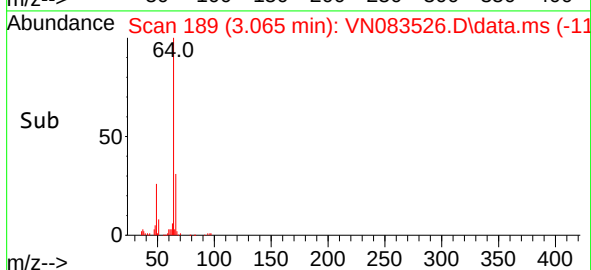
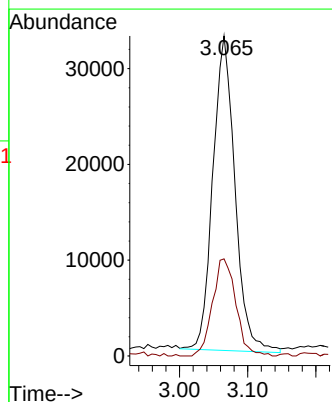
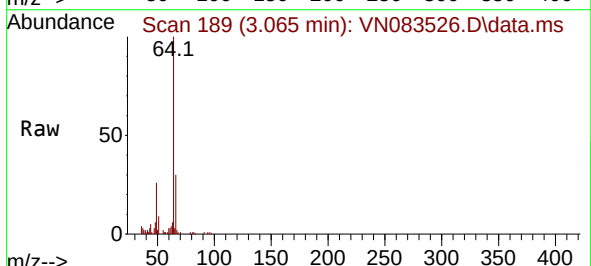
Manual Integrations  
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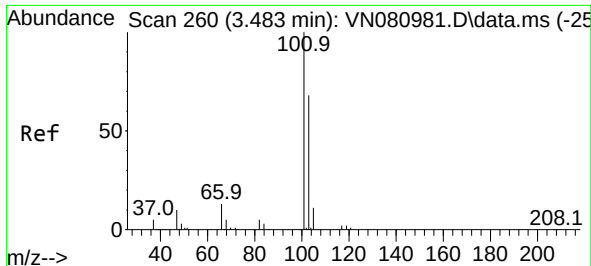
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#6  
Chloroethane  
Concen: 65.241 ug/l  
RT: 3.065 min Scan# 189  
Delta R.T. -0.035 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

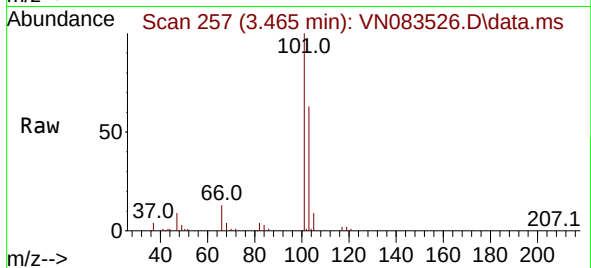
Tgt Ion: 64 Resp: 74038  
Ion Ratio Lower Upper  
64 100  
66 31.0 26.7 40.1





#7  
 Trichlorofluoromethane  
 Concen: 65.875 ug/l  
 RT: 3.465 min Scan# 210  
 Delta R.T. -0.018 min  
 Lab File: VN083526.D  
 Acq: 28 Aug 2024 09:19

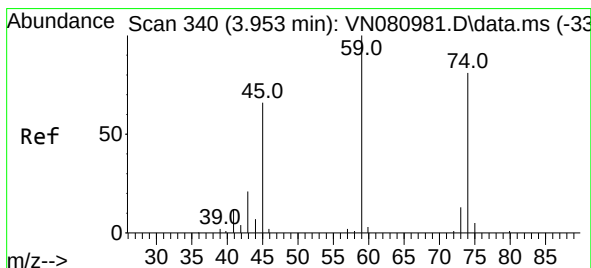
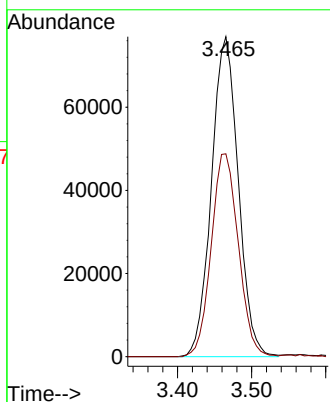
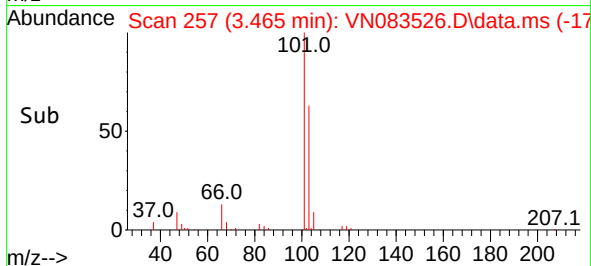
Instrument :  
 MSVOA\_N  
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 VSTDIC050



Tgt Ion: 101 Resp: 19318  
 Ion Ratio Lower Upper  
 101 100  
 103 63.4 53.0 79.4

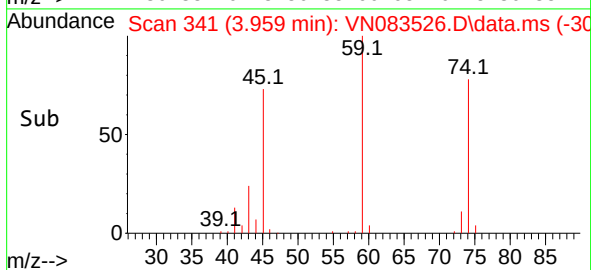
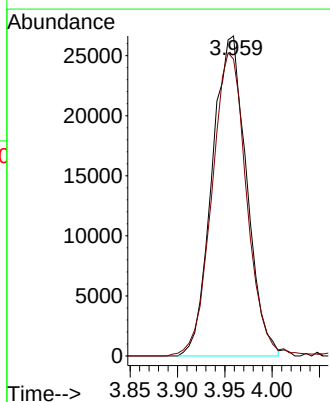
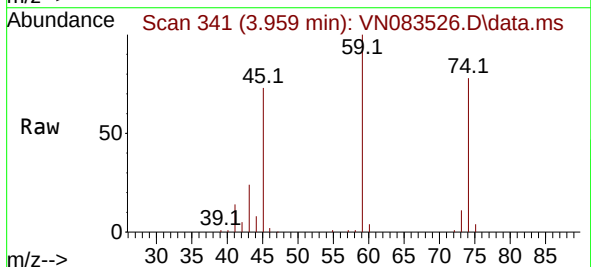
Manual Integrations  
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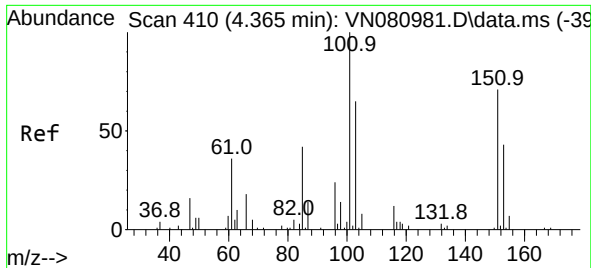
Reviewed By : John Carlone 08/28/2024  
 Supervised By : Mahesh Dadoda 08/29/2024



#8  
 Diethyl Ether  
 Concen: 47.422 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. 0.006 min  
 Lab File: VN083526.D  
 Acq: 28 Aug 2024 09:19

Tgt Ion: 74 Resp: 67320  
 Ion Ratio Lower Upper  
 74 100  
 45 95.3 16.4 147.4





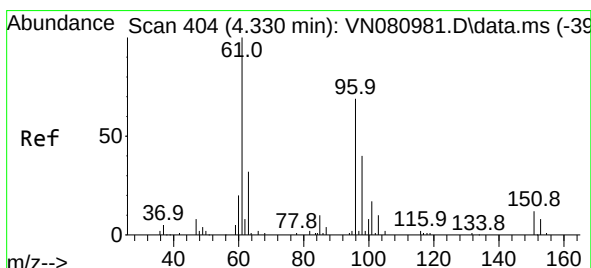
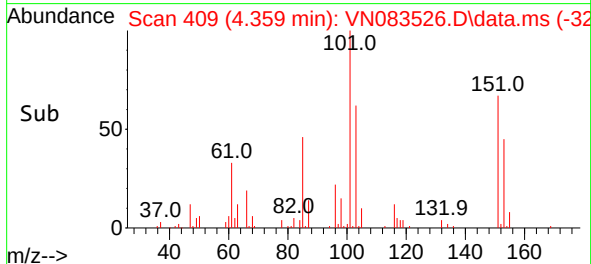
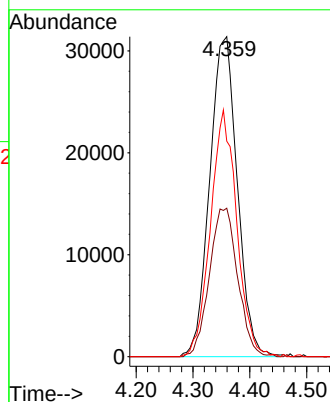
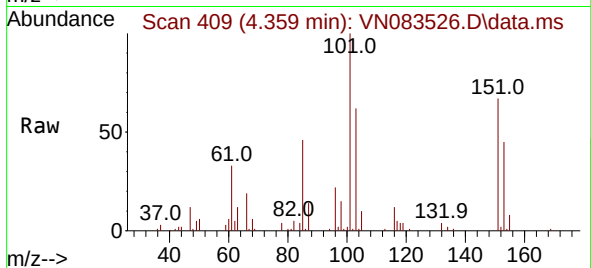
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 52.652 ug/l  
RT: 4.359 min Scan# 409  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

Tgt Ion:101 Resp: 10596  
Ion Ratio Lower Upper  
101 100  
85 47.5 0.0 90.6  
151 73.3 0.0 157.6

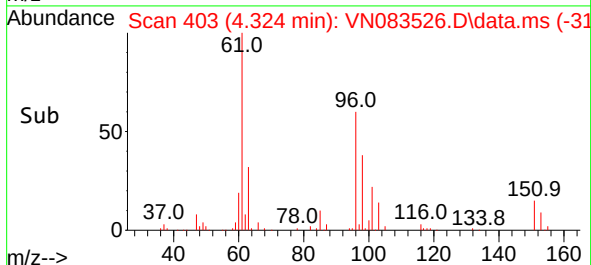
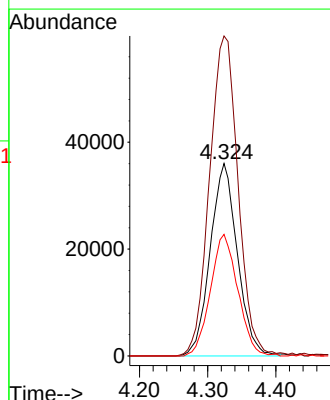
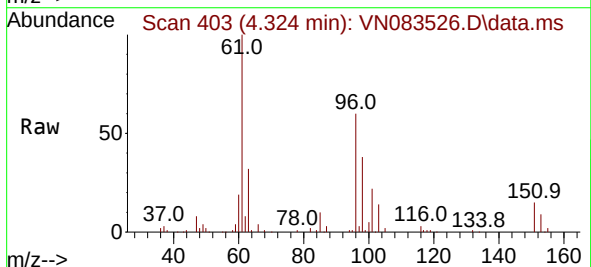
Manual Integrations  
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Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

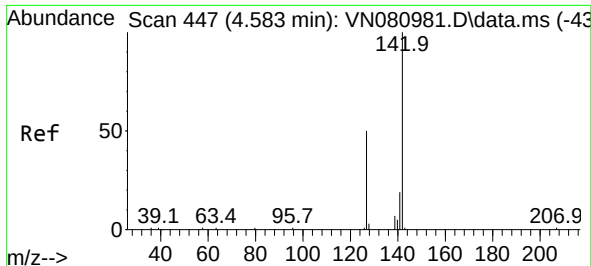


#10  
1,1-Dichloroethene  
Concen: 50.775 ug/l  
RT: 4.324 min Scan# 403  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion: 96 Resp: 99988  
Ion Ratio Lower Upper  
96 100  
61 165.7 117.6 176.4  
98 63.2 48.4 72.6

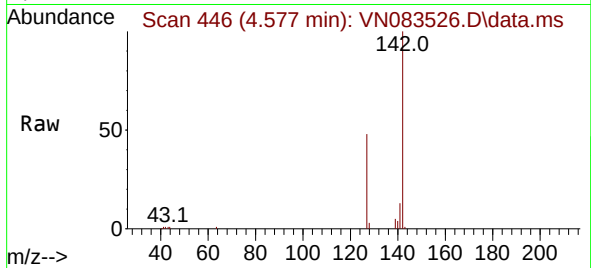






#11  
Methyl Iodide  
Concen: 77.694 ug/l  
RT: 4.577 min Scan# 447  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

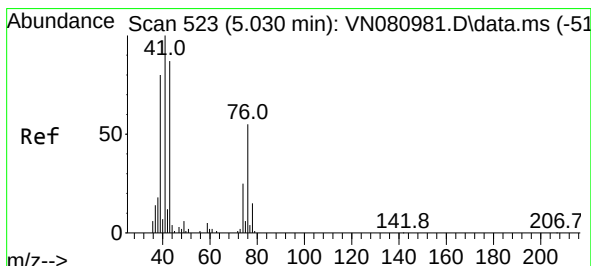
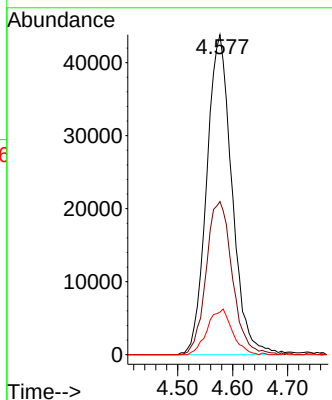
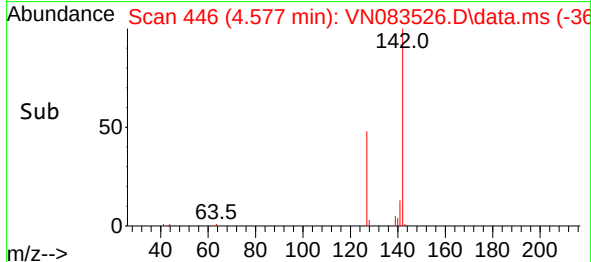
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC050



Tgt Ion:142 Resp: 139754  
Ion Ratio Lower Upper  
142 100  
127 48.0 26.3 78.9  
141 13.3 8.3 24.9

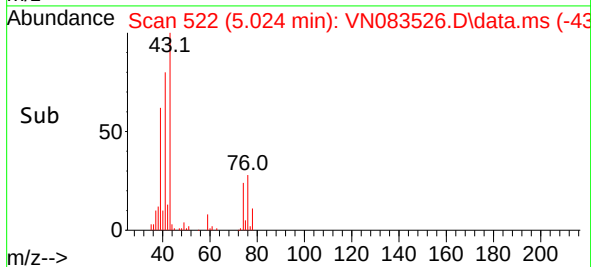
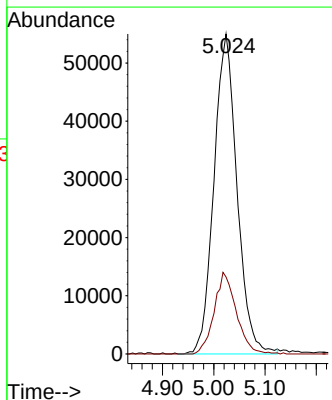
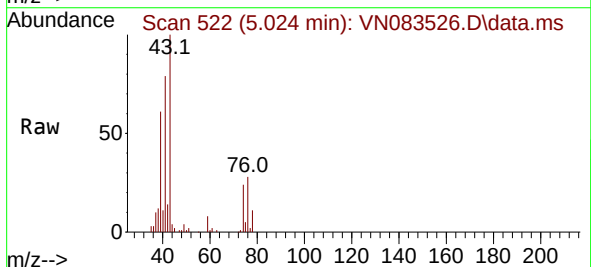
Manual Integrations  
APPROVED

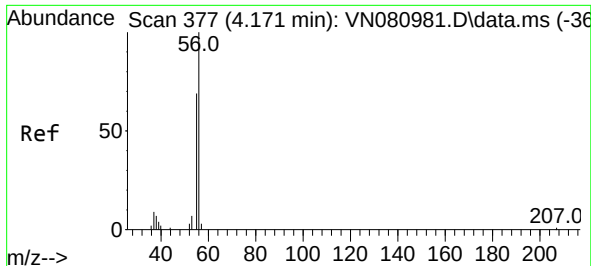
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#12  
Methyl Acetate  
Concen: 68.342 ug/l m  
RT: 5.024 min Scan# 522  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

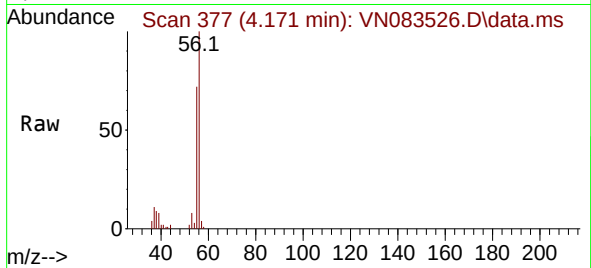
Tgt Ion: 43 Resp: 172049  
Ion Ratio Lower Upper  
43 100  
74 24.1 27.7 41.5#





#13  
Acrolein  
Concen: 137.723 ug/l  
RT: 4.171 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

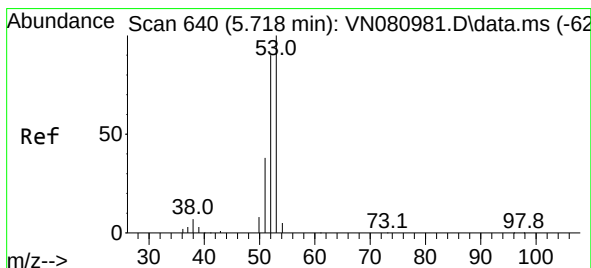
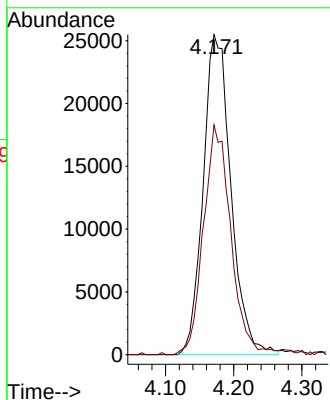
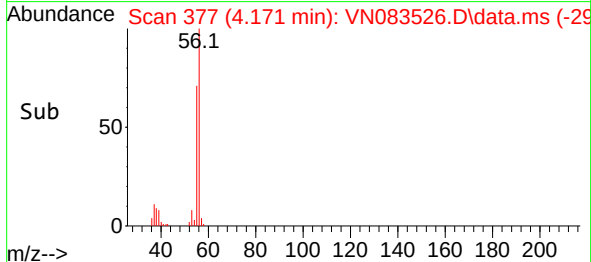
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC050



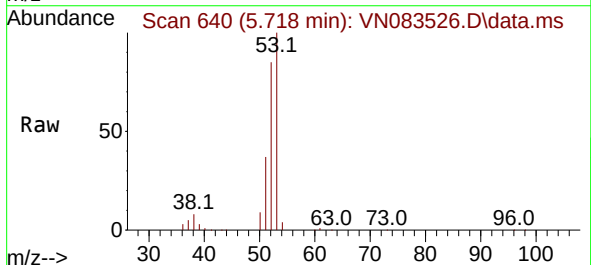
Tgt Ion: 56 Resp: 72204  
Ion Ratio Lower Upper  
56 100  
55 69.5 55.5 83.3

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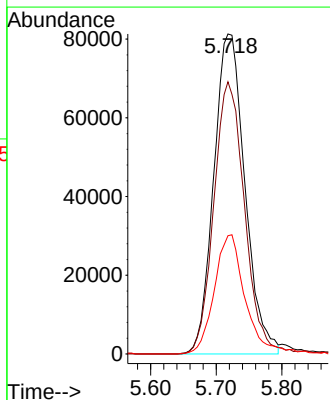
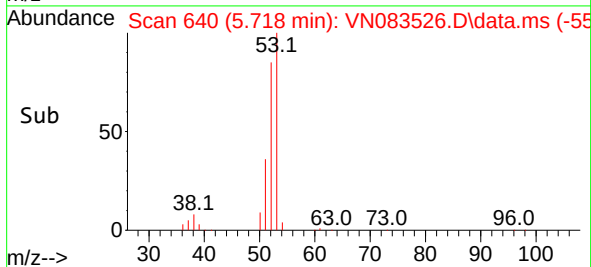
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

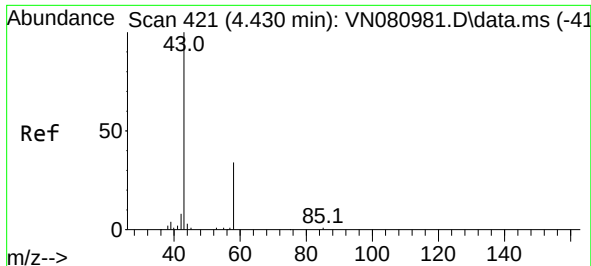


#14  
Acrylonitrile  
Concen: 238.550 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19



Tgt Ion: 53 Resp: 268129  
Ion Ratio Lower Upper  
53 100  
52 83.9 41.3 123.9  
51 36.5 16.8 50.3





#15

Acetone

Concen: 312.918 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC050

Tgt Ion: 58 Resp: 7932

Ion Ratio Lower Upper

58 100

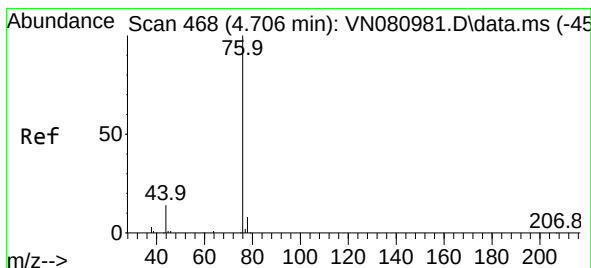
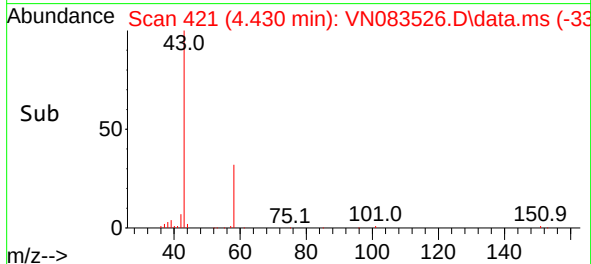
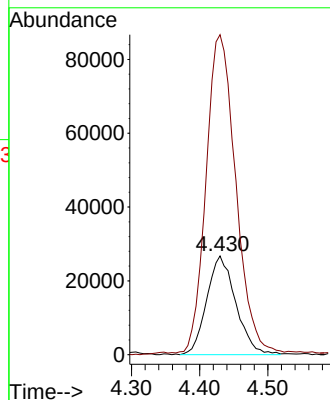
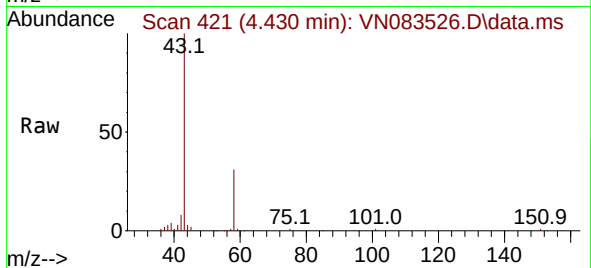
43 321.3 223.1 334.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/29/2024



#16

Carbon Disulfide

Concen: 48.990 ug/l

RT: 4.700 min Scan# 467

Delta R.T. -0.006 min

Lab File: VN083526.D

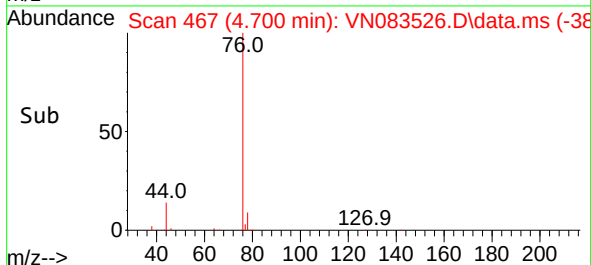
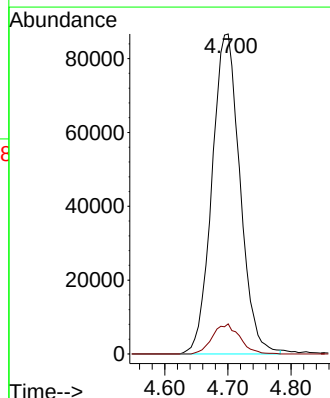
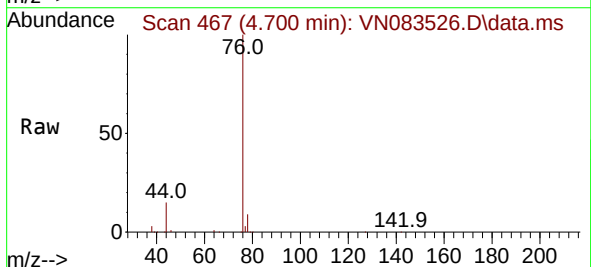
Acq: 28 Aug 2024 09:19

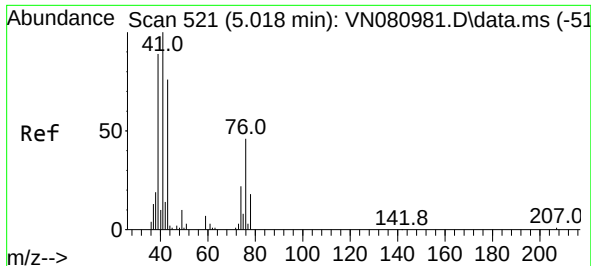
Tgt Ion: 76 Resp: 266951

Ion Ratio Lower Upper

76 100

78 9.4 6.3 9.5





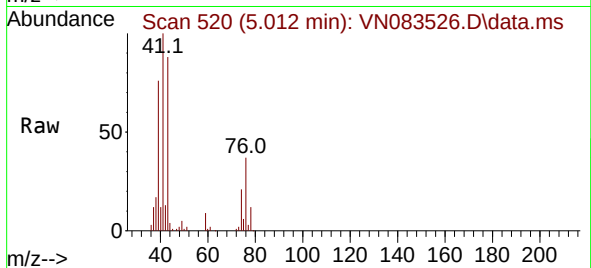
#17  
 Allyl chloride  
 Concen: 52.438 ug/l  
 RT: 5.012 min Scan# 51  
 Delta R.T. -0.006 min  
 Lab File: VN083526.D  
 Acq: 28 Aug 2024 09:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC050



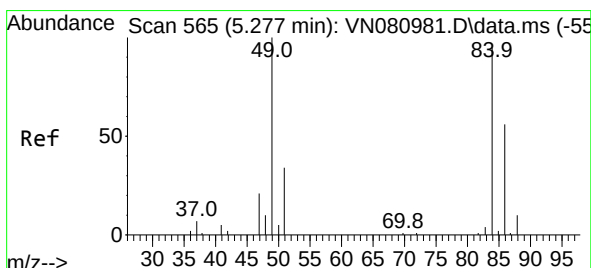
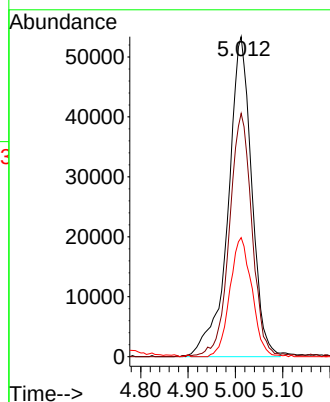
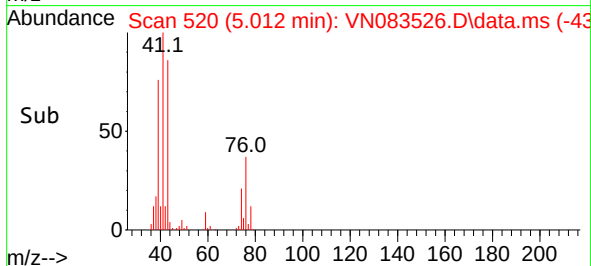
Tgt Ion: 41 Resp: 18483  
 Ion Ratio Lower Upper  
 41 100  
 39 76.0 37.6 112.9  
 76 37.2 27.8 83.4

Manual Integrations

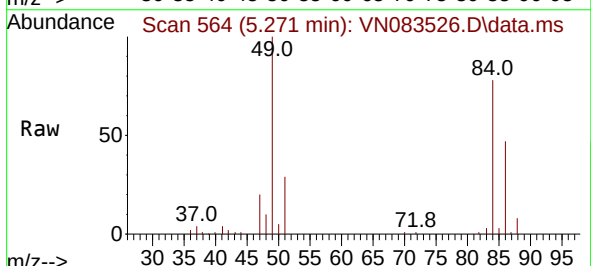
APPROVED

Reviewed By :John Carlone 08/28/2024

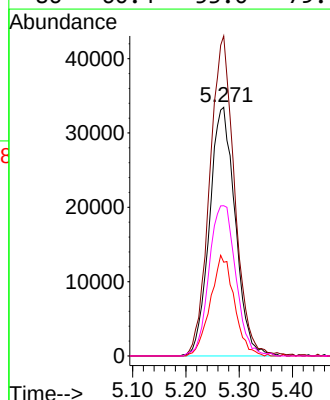
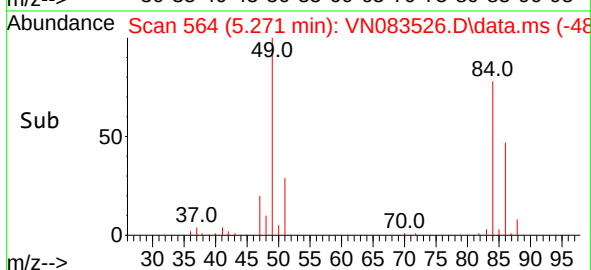
Supervised By :Mahesh Dadoda 08/29/2024

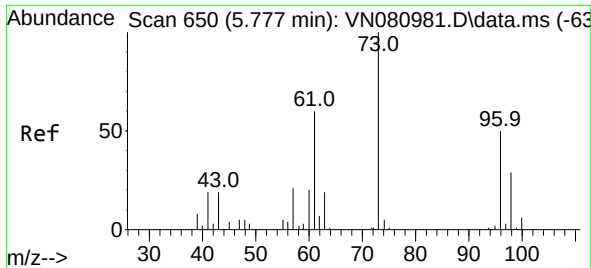


#18  
 Methylene Chloride  
 Concen: 50.058 ug/l  
 RT: 5.271 min Scan# 564  
 Delta R.T. -0.006 min  
 Lab File: VN083526.D  
 Acq: 28 Aug 2024 09:19



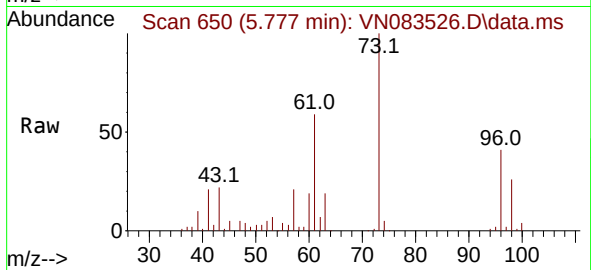
Tgt Ion: 84 Resp: 112023  
 Ion Ratio Lower Upper  
 84 100  
 49 128.7 86.0 129.0  
 51 37.7 30.0 45.0  
 86 60.4 53.0 79.4





#19  
trans-1,2-Dichloroethene  
Concen: 50.553 ug/l  
RT: 5.777 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

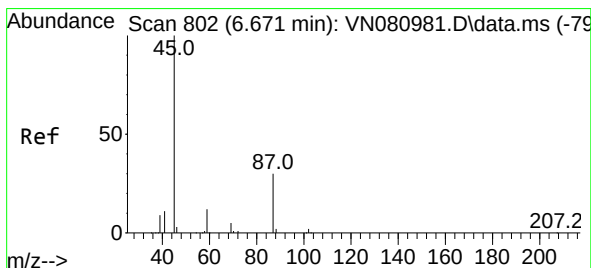
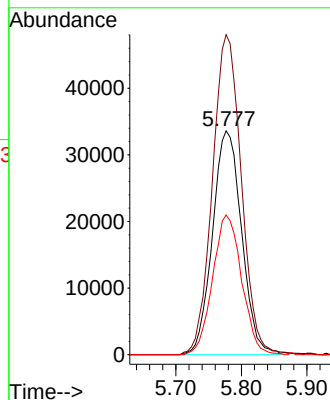
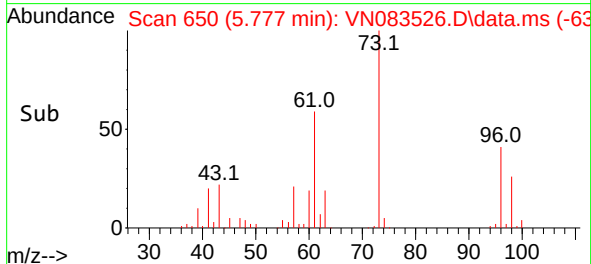
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050



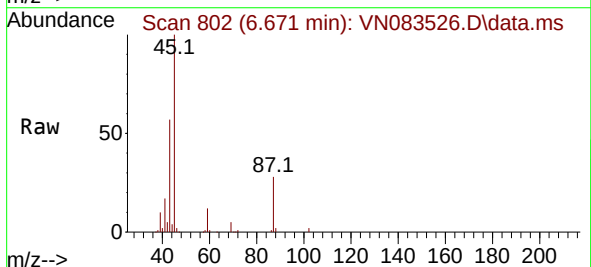
Tgt Ion: 96 Resp: 10362  
Ion Ratio Lower Upper  
96 100  
61 143.0 111.8 167.6  
98 62.4 49.2 73.8

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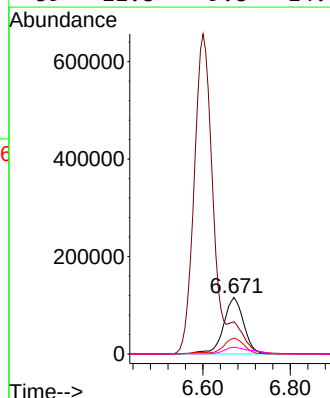
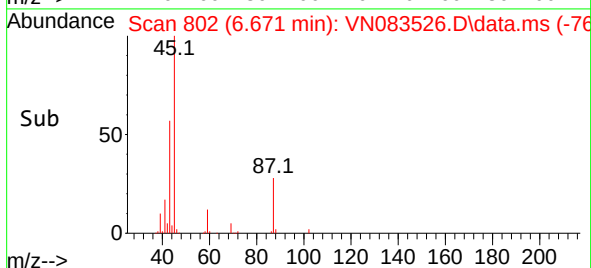
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

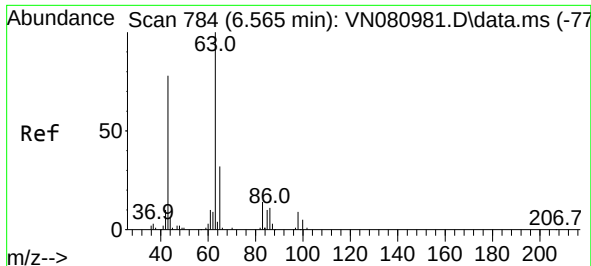


#20  
Diisopropyl ether  
Concen: 48.562 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19



Tgt Ion: 45 Resp: 371019  
Ion Ratio Lower Upper  
45 100  
43 56.3 40.4 60.6  
87 28.2 23.8 35.8  
59 11.8 9.8 14.6





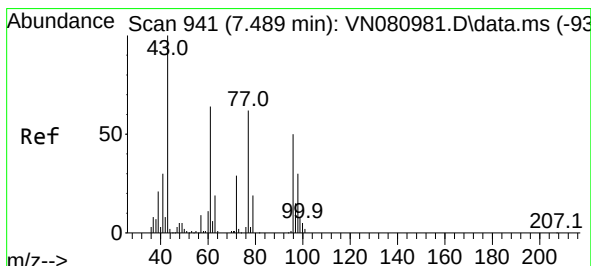
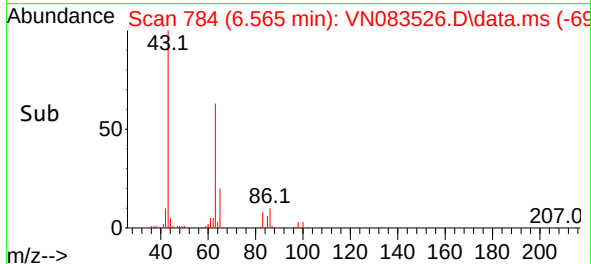
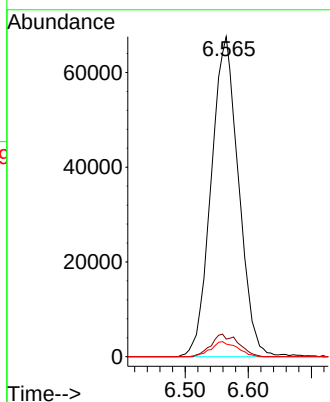
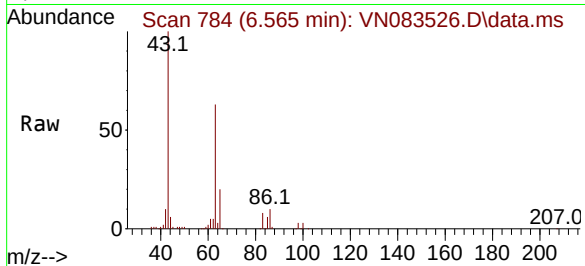
#21  
1,1-Dichloroethane  
Concen: 50.361 ug/l  
RT: 6.565 min Scan# 784  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

Tgt Ion: 63 Resp: 203732  
Ion Ratio Lower Upper  
63 100  
98 5.5 4.1 12.3  
100 4.0 3.0 9.0

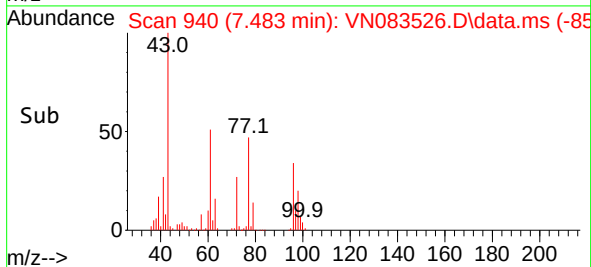
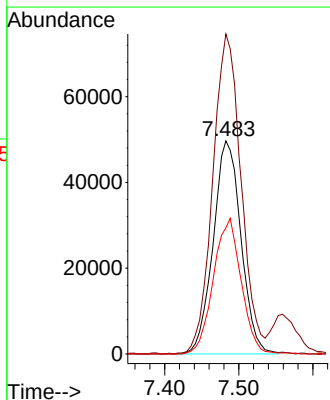
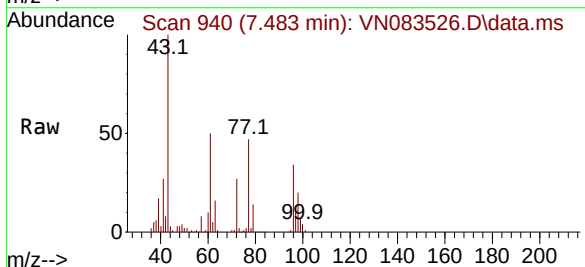
Manual Integrations  
APPROVED

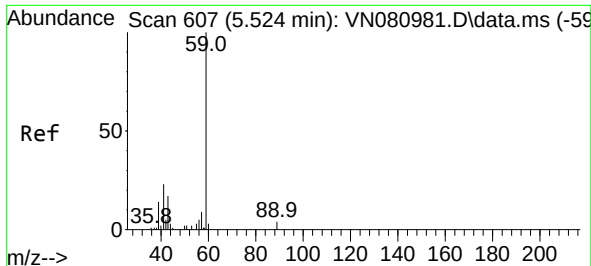
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#22  
cis-1,2-Dichloroethene  
Concen: 51.749 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion: 96 Resp: 129549  
Ion Ratio Lower Upper  
96 100  
61 152.8 113.5 170.3  
98 63.4 52.0 78.0





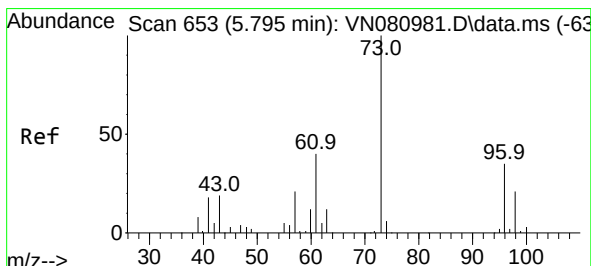
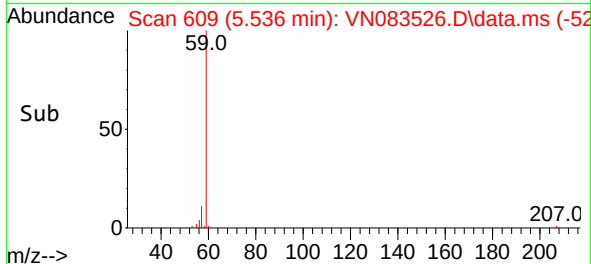
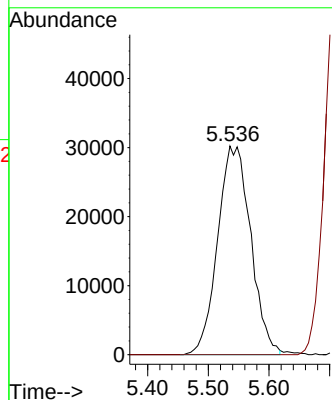
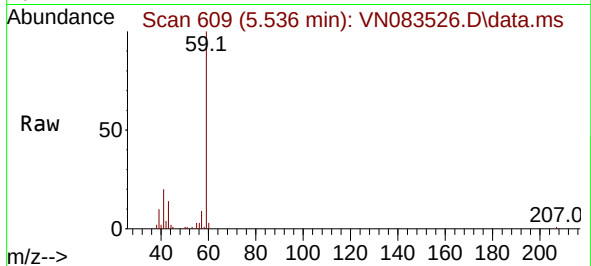
#23  
tert-Butyl Alcohol  
Concen: 246.784 ug/l m  
RT: 5.536 min Scan# 607  
Delta R.T. 0.012 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

Tgt Ion: 59 Resp: 114280  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

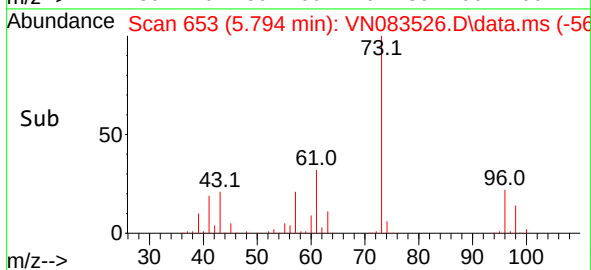
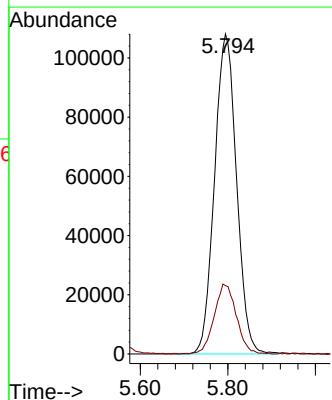
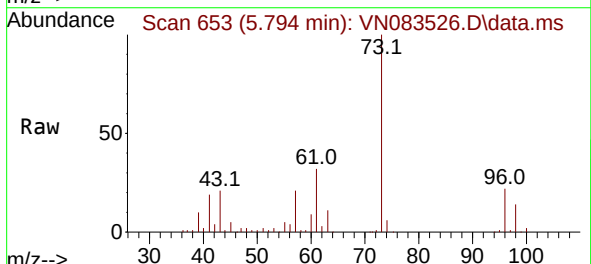
Manual Integrations  
APPROVED

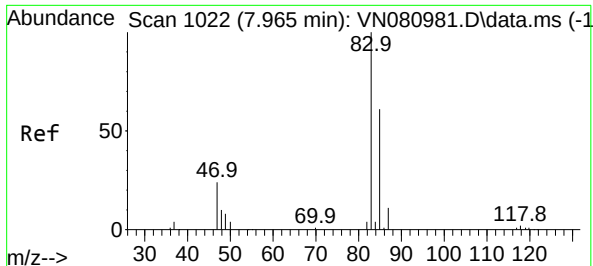
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#24  
Methyl tert-Butyl Ether  
Concen: 53.134 ug/l m  
RT: 5.794 min Scan# 653  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion: 73 Resp: 376801  
Ion Ratio Lower Upper  
73 100  
43 0.0 13.4 20.2#





#25

Chloroform

Concen: 55.674 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

Tgt Ion: 83 Resp: 216679

Ion Ratio Lower Upper

83 100

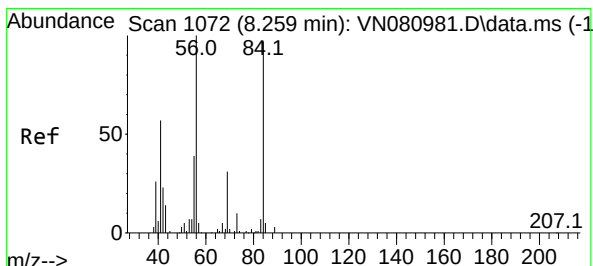
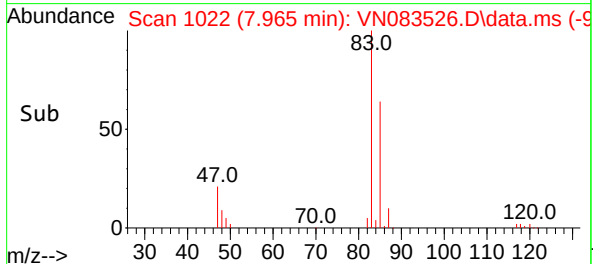
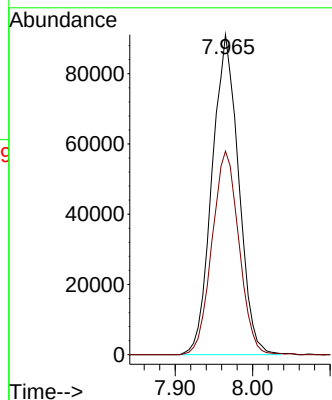
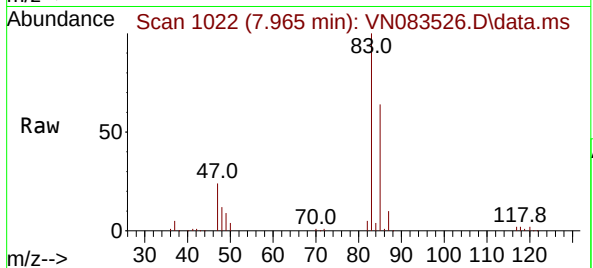
85 63.6 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/29/2024



#26

Cyclohexane

Concen: 51.603 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

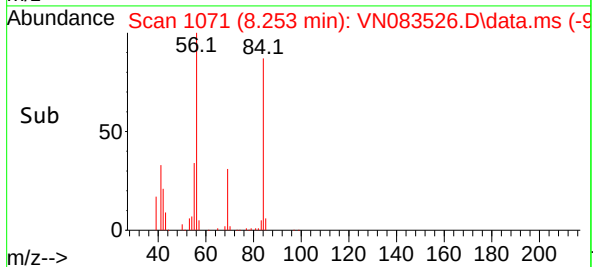
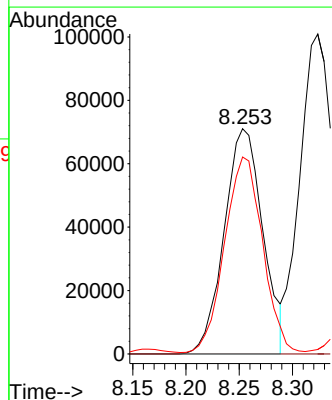
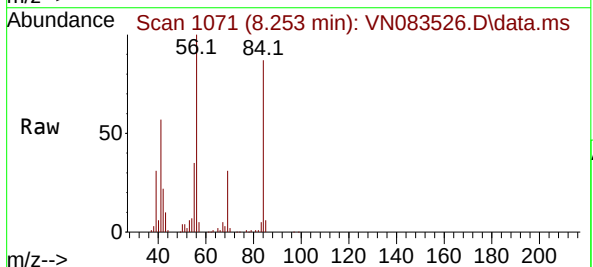
Tgt Ion: 56 Resp: 179444

Ion Ratio Lower Upper

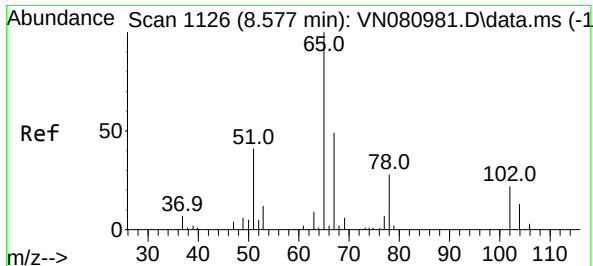
56 100

89 0.0 19.3 28.9#

84 86.7 71.3 106.9







#27  
1,2-Dichloroethane-d4  
Concen: 32.020 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :

MSVOA\_N

ClientSampleId :

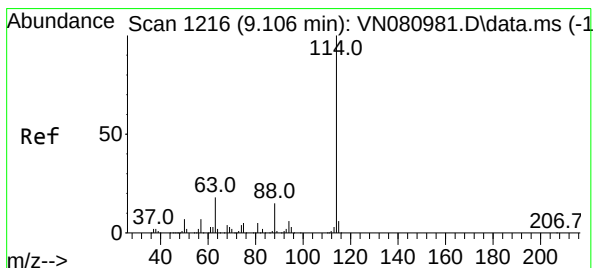
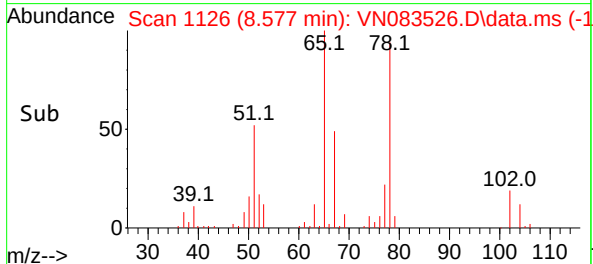
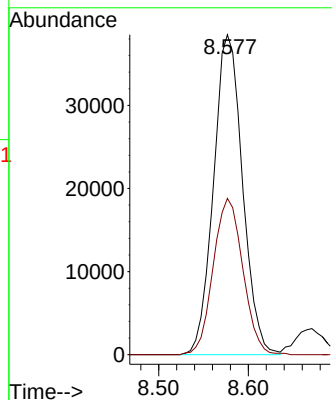
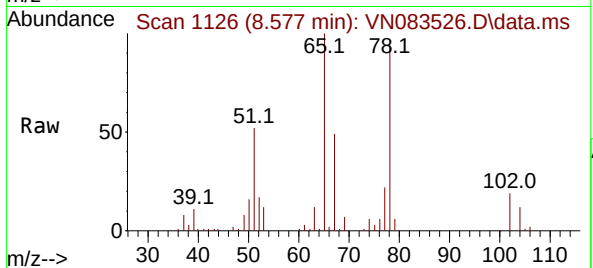
VSTDIC050

Tgt Ion: 65 Resp: 86394  
Ion Ratio Lower Upper  
65 100  
67 49.8 43.2 64.8

Manual Integrations

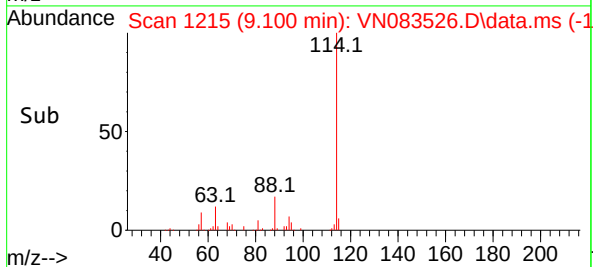
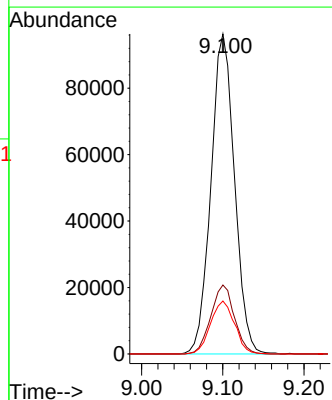
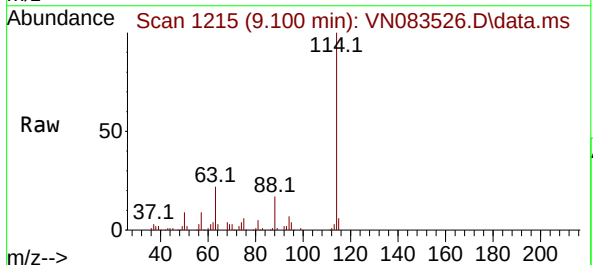
APPROVED

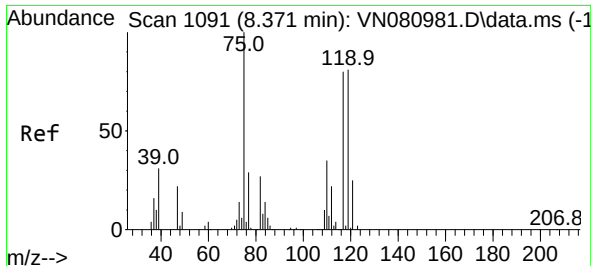
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

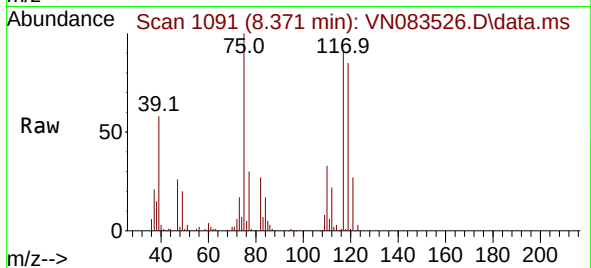
Tgt Ion:114 Resp: 194299  
Ion Ratio Lower Upper  
114 100  
63 21.5 15.9 23.9  
88 16.9 12.7 19.1





#29  
1,1-Dichloropropene  
Concen: 51.803 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

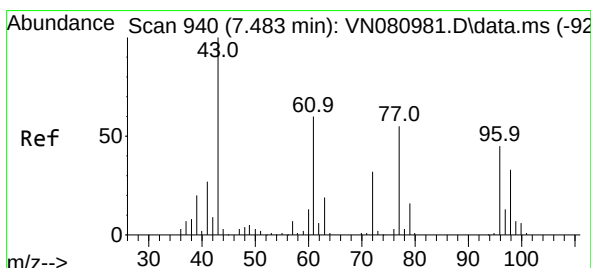
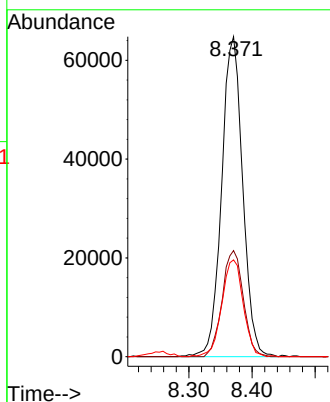
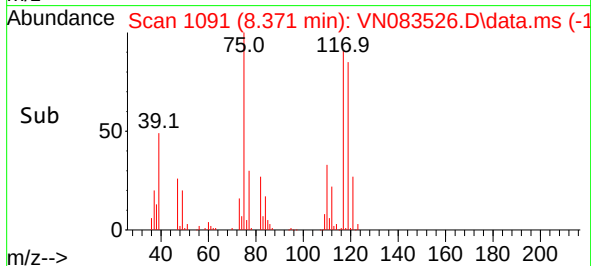
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050



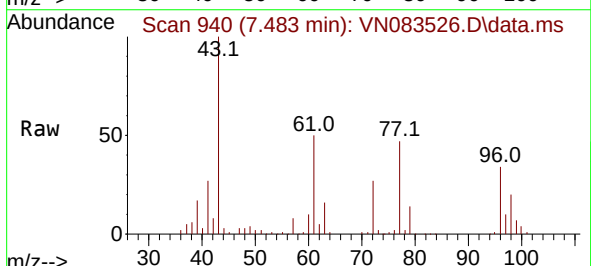
Tgt Ion: 75 Resp: 149848  
Ion Ratio Lower Upper  
75 100  
110 33.3 0.0 70.2  
77 30.8 0.0 61.4

Manual Integrations  
APPROVED

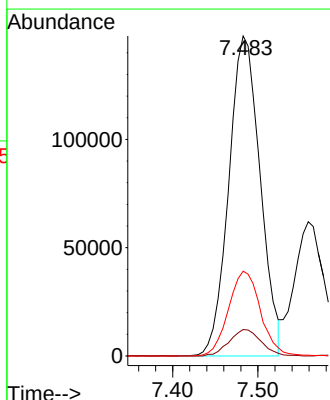
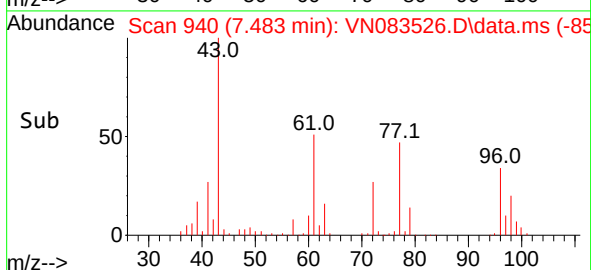
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

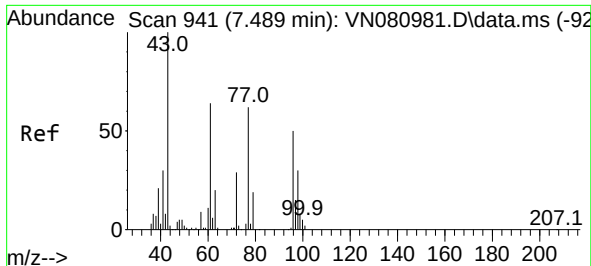


#30  
2-Butanone  
Concen: 253.585 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19



Tgt Ion: 43 Resp: 378114  
Ion Ratio Lower Upper  
43 100  
57 8.4 6.7 10.1  
72 27.1 24.0 36.0





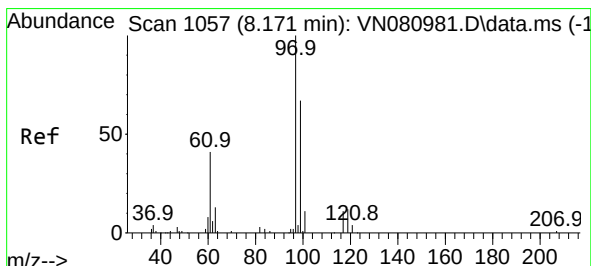
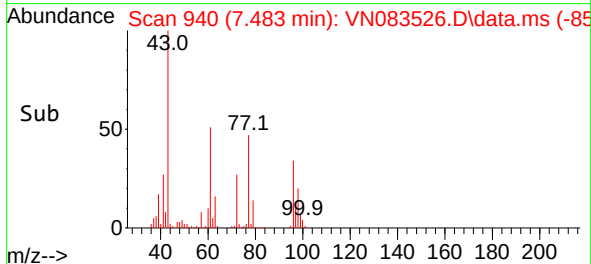
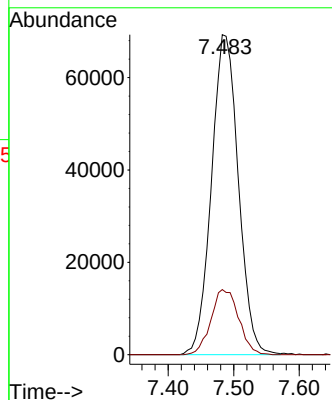
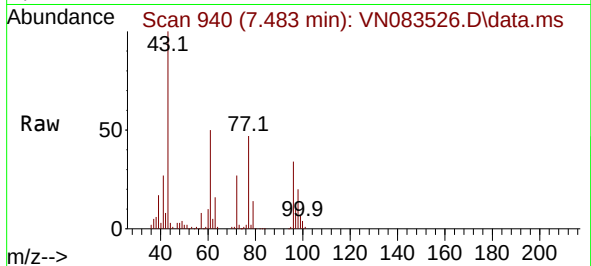
#31  
2,2-Dichloropropane  
Concen: 66.573 ug/l  
RT: 7.483 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC050

Tgt Ion: 77 Resp: 197340  
Ion Ratio Lower Upper  
77 100  
97 20.9 18.3 27.5

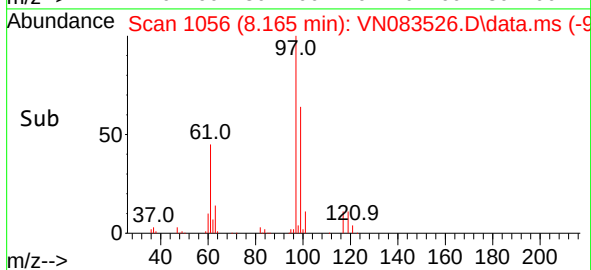
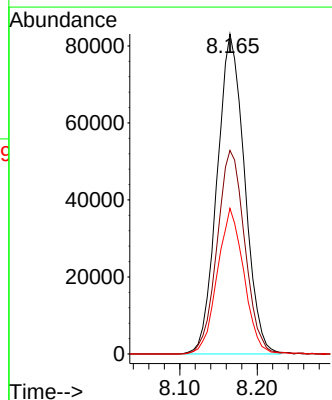
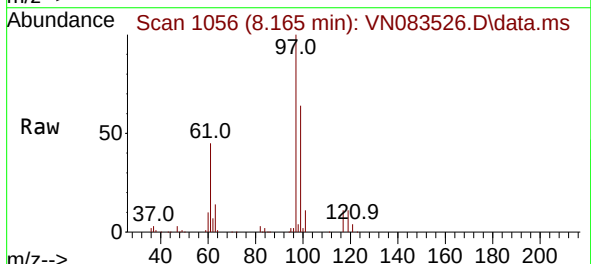
Manual Integrations  
APPROVED

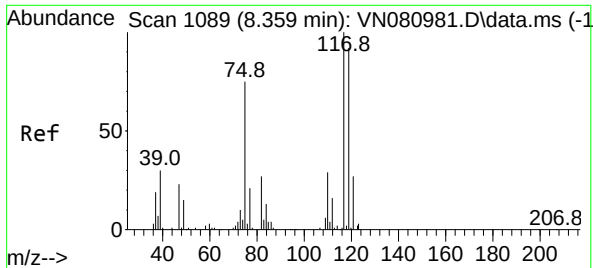
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#32  
1,1,1-Trichloroethane  
Concen: 61.602 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

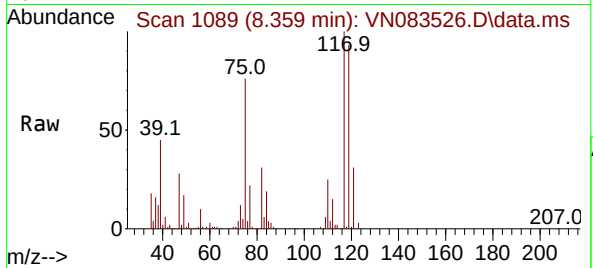
Tgt Ion: 97 Resp: 204938  
Ion Ratio Lower Upper  
97 100  
99 64.3 51.0 76.4  
61 44.0 33.8 50.8





#33  
Carbon Tetrachloride  
Concen: 66.077 ug/l  
RT: 8.359 min Scan# 1108  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

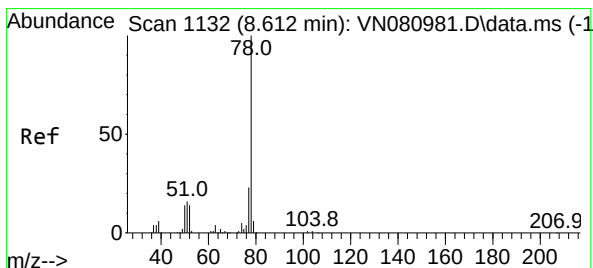
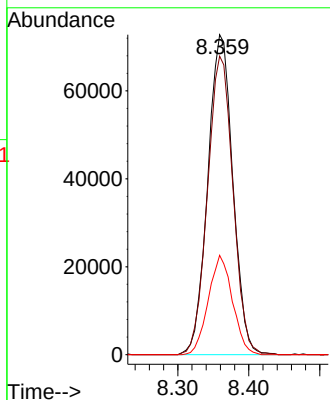
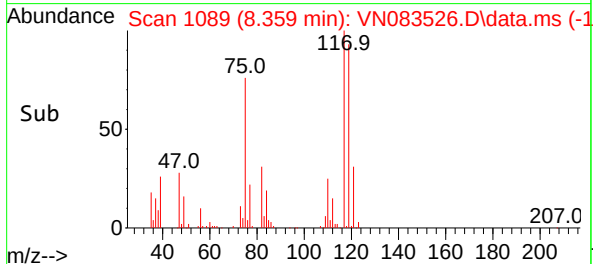
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC050



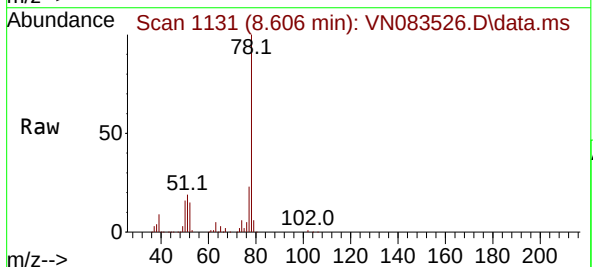
Tgt Ion: 117 Resp: 17840  
Ion Ratio Lower Upper  
117 100  
119 93.3 77.7 116.5  
121 31.0 27.0 40.6

Manual Integrations  
APPROVED

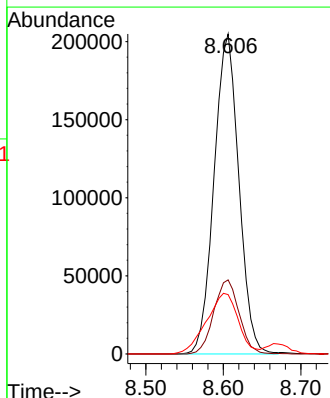
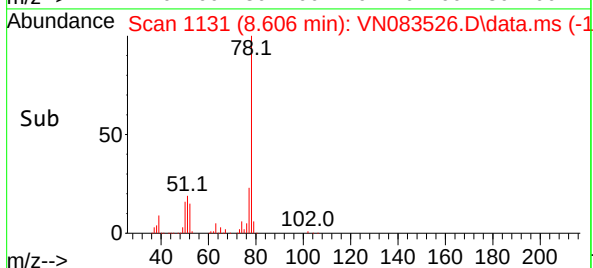
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

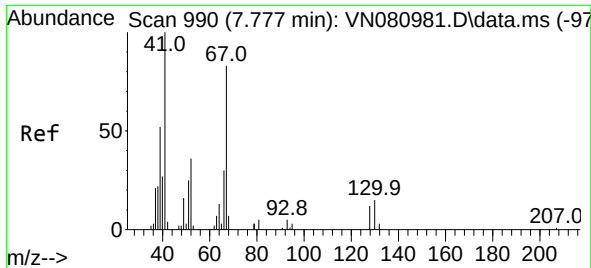


#34  
Benzene  
Concen: 49.309 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19



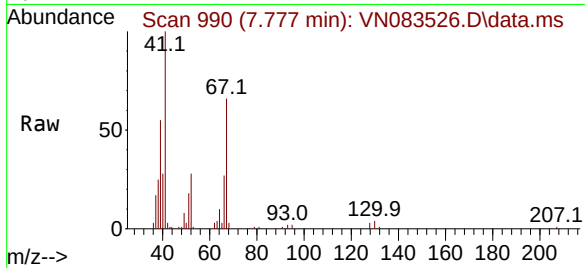
Tgt Ion: 78 Resp: 455031  
Ion Ratio Lower Upper  
78 100  
77 23.1 19.2 28.8  
51 18.1 13.3 19.9





#35  
Methacrylonitrile  
Concen: 47.177 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

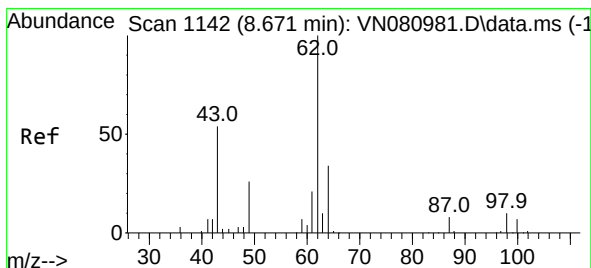
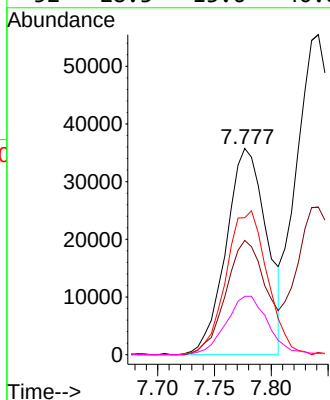
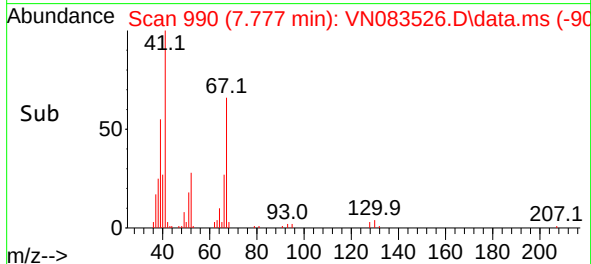
Instrument :  
MSVOA\_N  
Client Sample Id :  
VSTDIC050



Tgt Ion: 41 Resp: 8899  
Ion Ratio Lower Upper  
41 100  
39 55.4 25.3 75.9  
67 66.4 38.7 116.1  
52 28.3 13.6 40.8

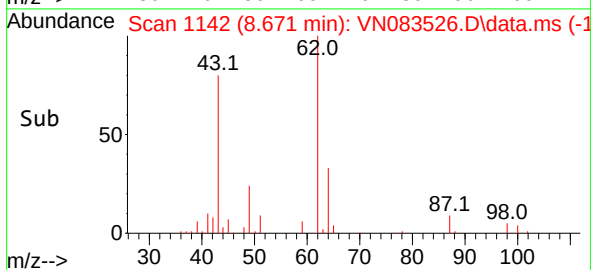
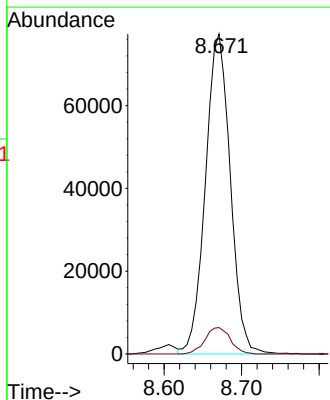
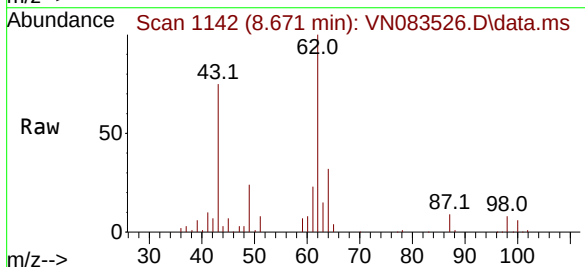
Manual Integrations  
APPROVED

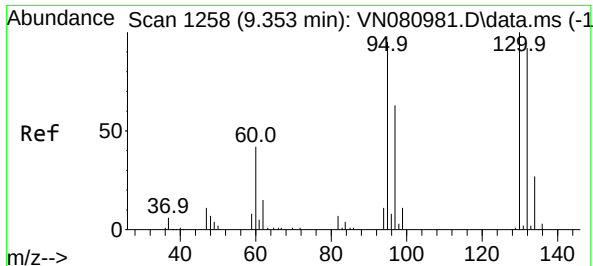
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#36  
1,2-Dichloroethane  
Concen: 55.565 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

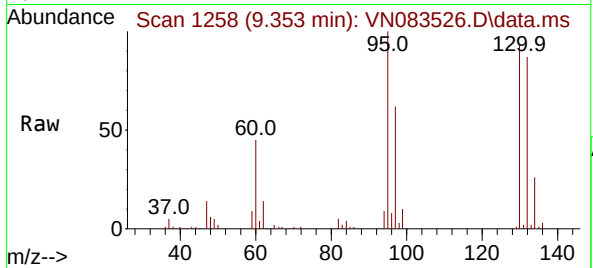
Tgt Ion: 62 Resp: 172130  
Ion Ratio Lower Upper  
62 100  
98 8.4 8.2 12.4





#37  
Trichloroethene  
Concen: 47.214 ug/l  
RT: 9.353 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

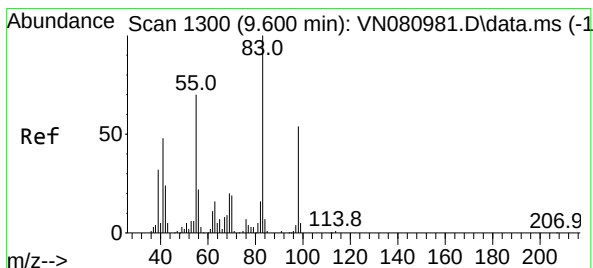
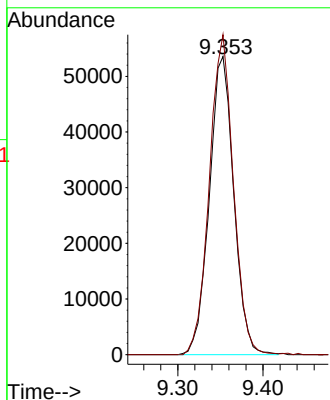
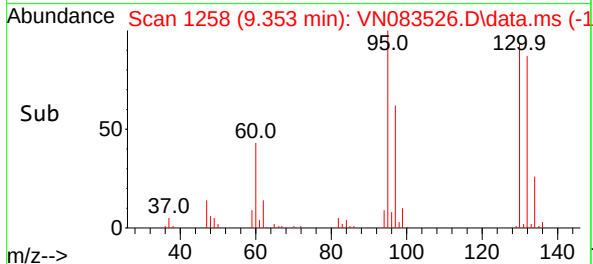
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050



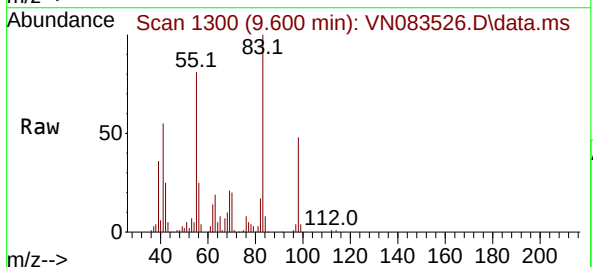
Tgt Ion:130 Resp: 10671  
Ion Ratio Lower Upper  
130 100  
95 107.3 80.2 120.4

Manual Integrations  
APPROVED

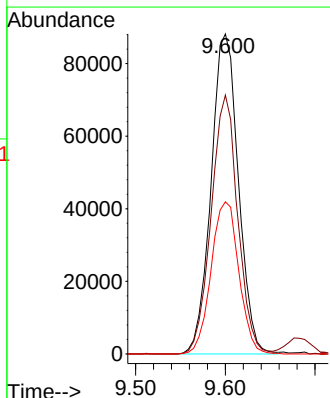
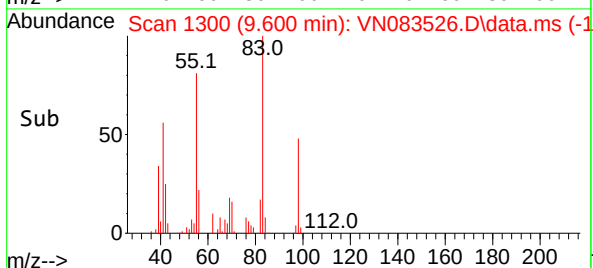
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

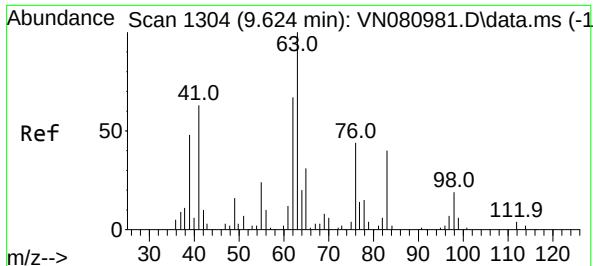


#38  
Methylcyclohexane  
Concen: 53.338 ug/l  
RT: 9.600 min Scan# 1300  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19



Tgt Ion: 83 Resp: 186383  
Ion Ratio Lower Upper  
83 100  
55 78.8 36.6 109.9  
98 48.3 23.8 71.5





#39

1,2-Dichloropropane

Concen: 46.963 ug/l

RT: 9.624 min Scan# 11120

Delta R.T. -0.000 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

Tgt Ion: 63 Resp: 11120

Ion Ratio Lower Upper

63 100

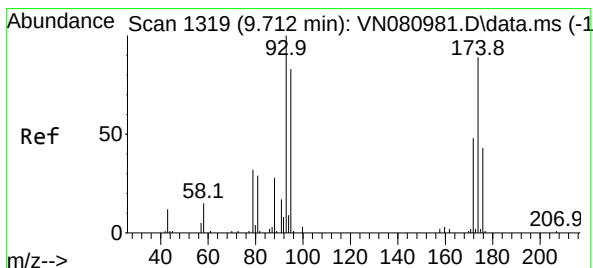
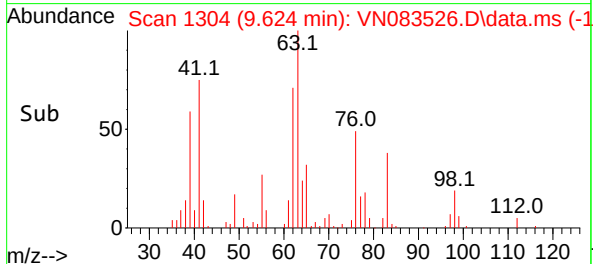
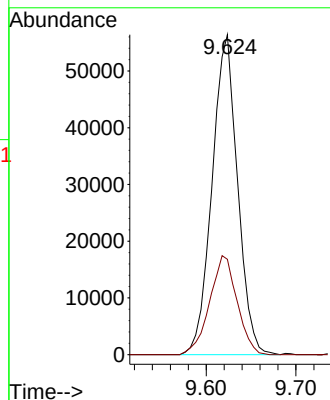
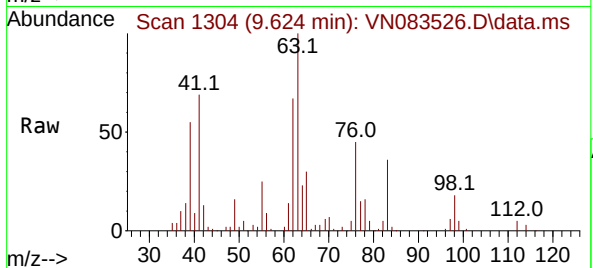
65 29.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/29/2024



#40

Dibromomethane

Concen: 52.576 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

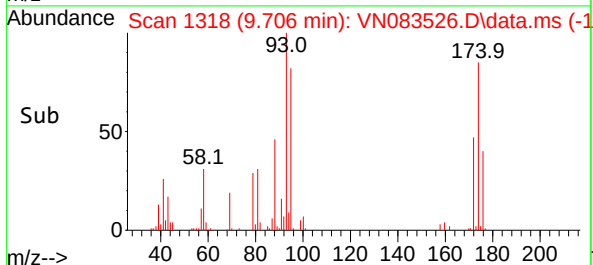
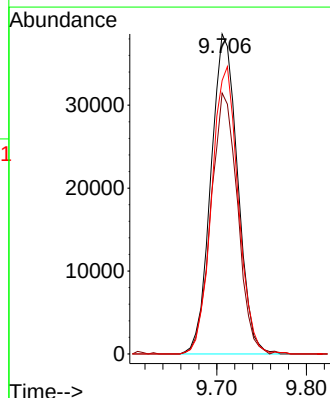
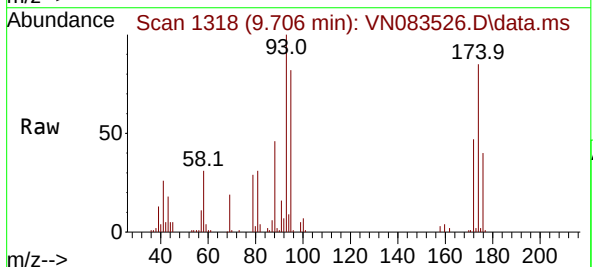
Tgt Ion: 93 Resp: 79976

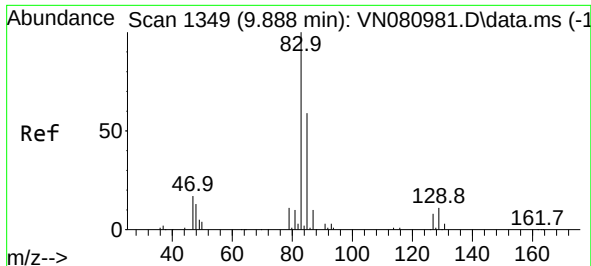
Ion Ratio Lower Upper

93 100

95 80.9 0.0 164.6

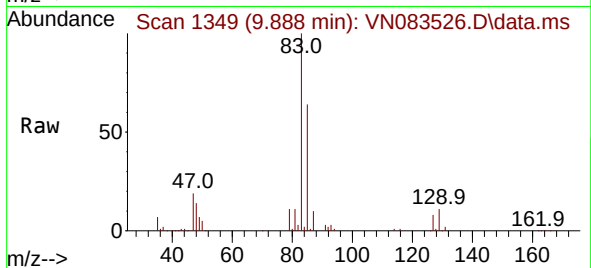
174 89.0 0.0 193.2





#41  
Bromodichloromethane  
Concen: 53.603 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

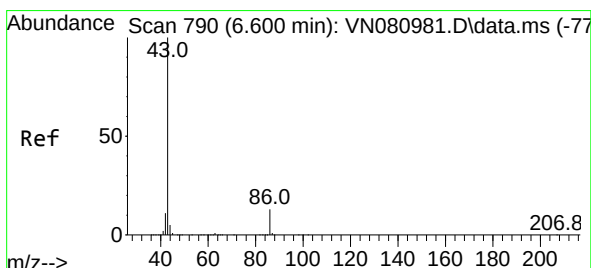
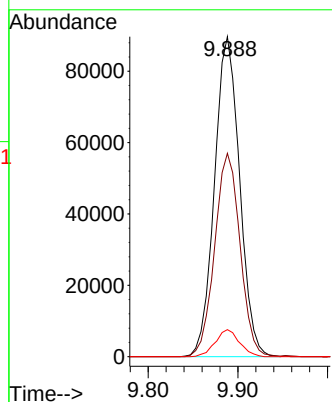
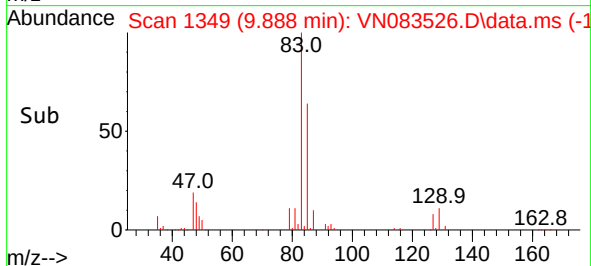
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC050



Tgt Ion: 83 Resp: 174280  
Ion Ratio Lower Upper  
83 100  
85 63.6 49.4 74.2  
127 8.4 7.3 10.9

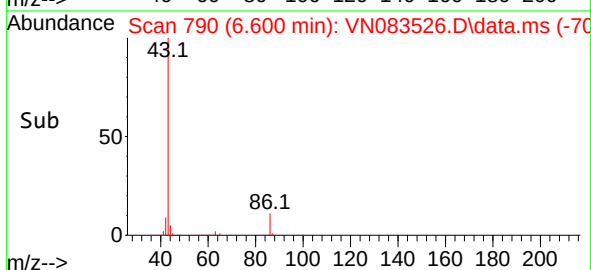
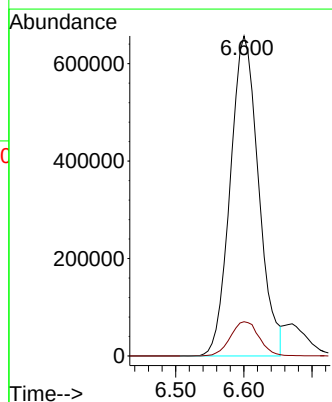
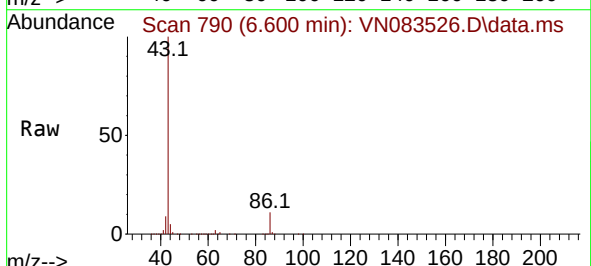
Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

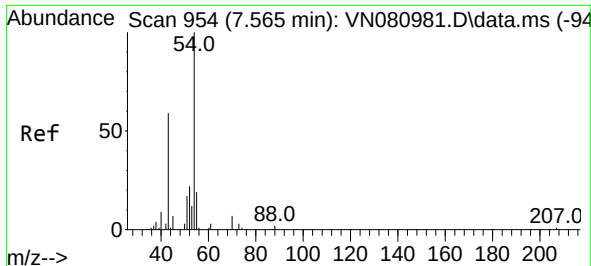


#42  
Vinyl Acetate  
Concen: 298.854 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion: 43 Resp: 1896682  
Ion Ratio Lower Upper  
43 100  
86 10.9 9.4 14.2

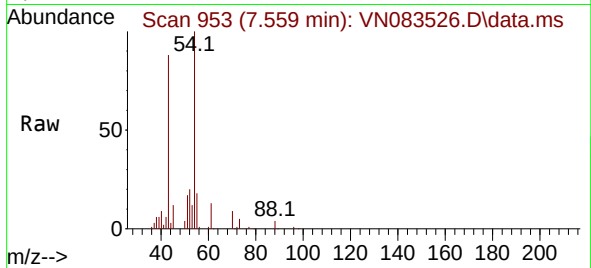






#43  
Ethyl Acetate  
Concen: 48.744 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

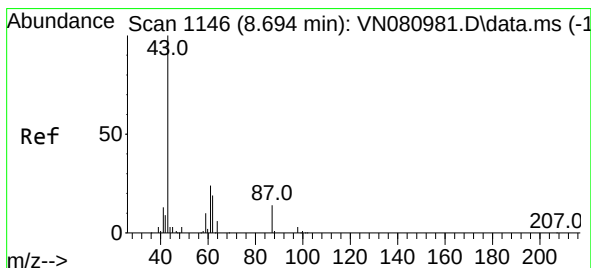
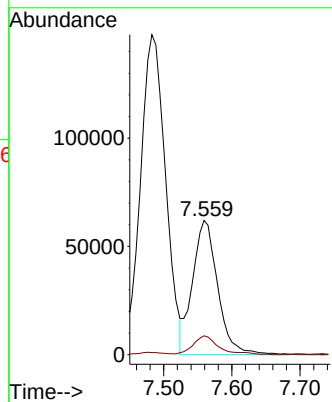
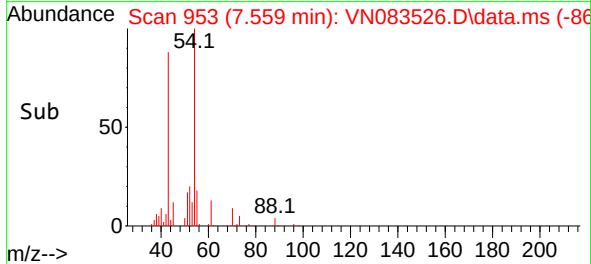
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050



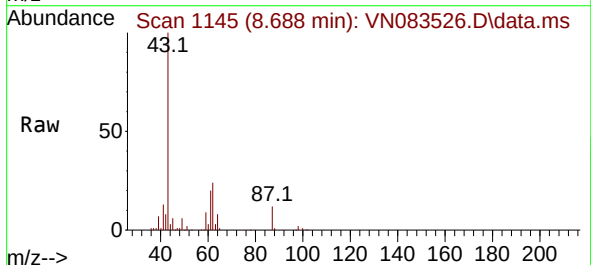
Tgt Ion: 43 Resp: 159010  
Ion Ratio Lower Upper  
43 100  
45 12.0 10.6 15.8

Manual Integrations  
APPROVED

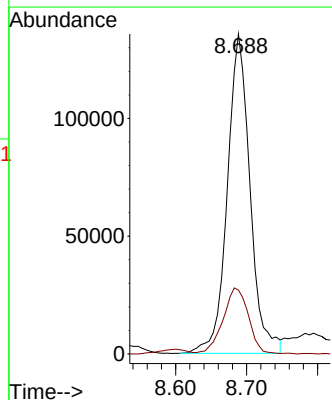
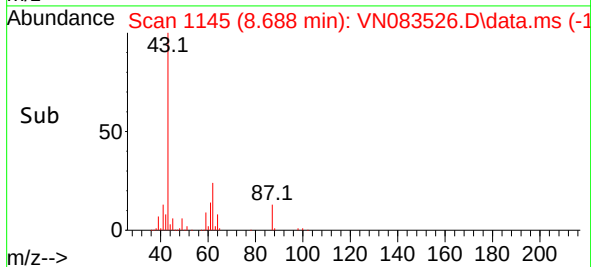
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

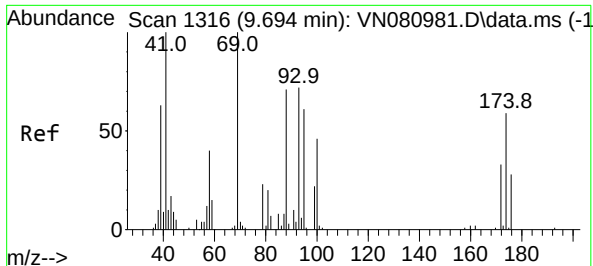


#44  
Isopropyl Acetate  
Concen: 52.312 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19



Tgt Ion: 43 Resp: 301891  
Ion Ratio Lower Upper  
43 100  
61 23.2 25.0 37.4#





#45

1,4-Dioxane

Concen: 951.354 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

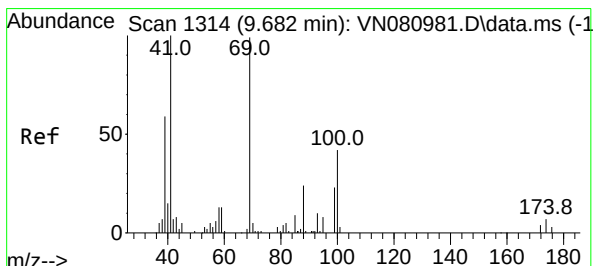
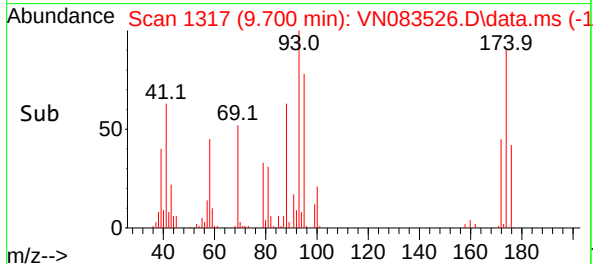
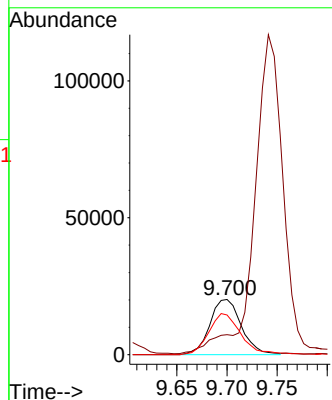
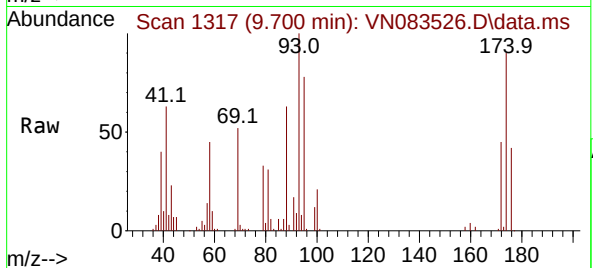
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 44035 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 30.2  | 19.8  | 29.6  |
| 58       | 76.7  | 55.4  | 83.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/29/2024



#46

Methyl methacrylate

Concen: 50.024 ug/l

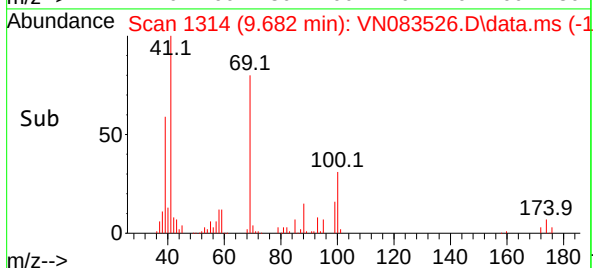
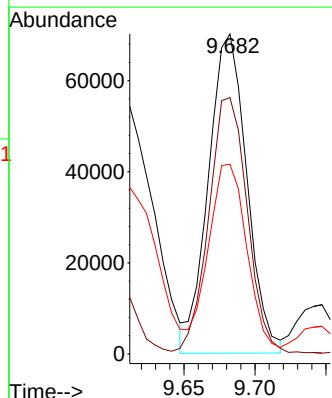
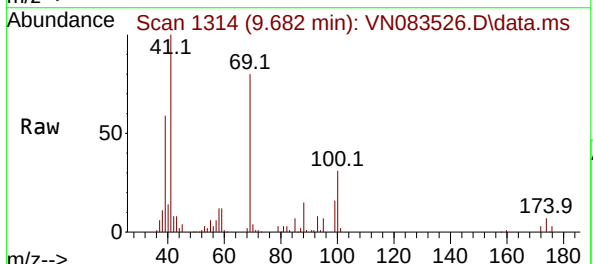
RT: 9.682 min Scan# 1314

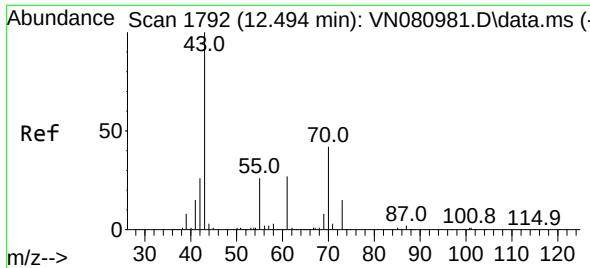
Delta R.T. -0.000 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

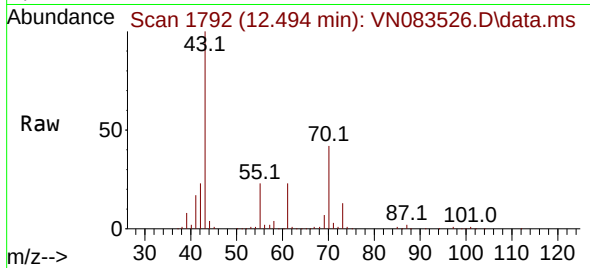
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 131904 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 81.9  | 51.1  | 153.3  |
| 39       | 59.9  | 25.8  | 77.3   |





#47  
n-amy1 Acetate  
Concen: 46.906 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

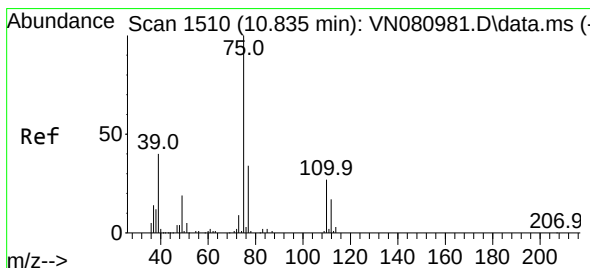
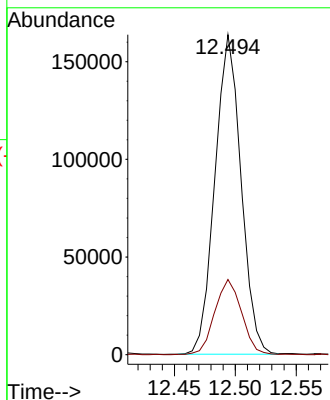
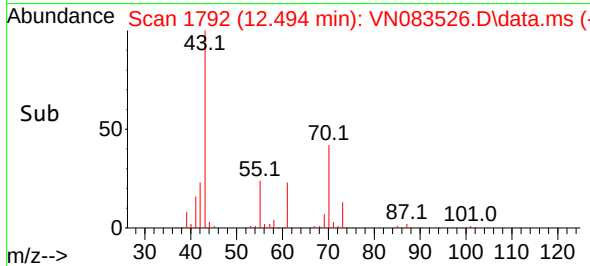
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050



Tgt Ion: 43 Resp: 244108  
Ion Ratio Lower Upper  
43 100  
55 24.2 23.4 35.2

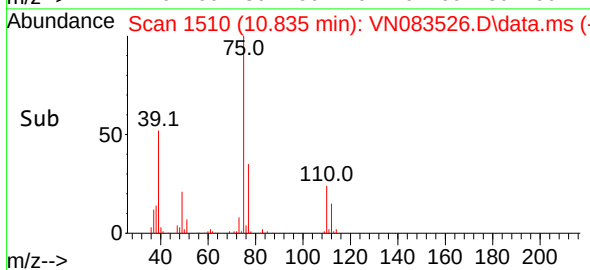
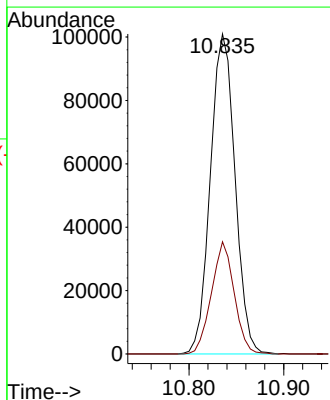
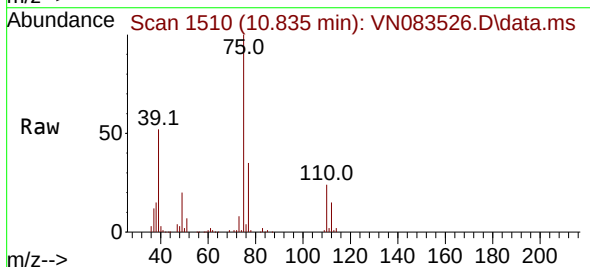
Manual Integrations  
APPROVED

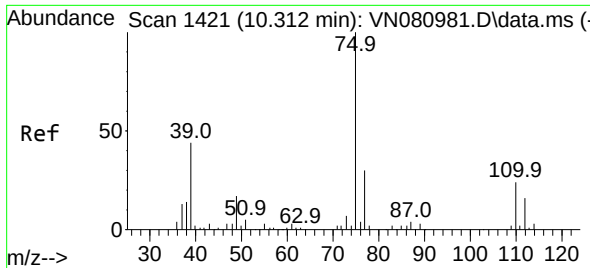
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#48  
t-1,3-Dichloropropene  
Concen: 51.857 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

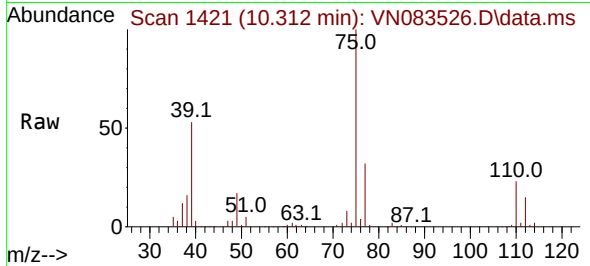
Tgt Ion: 75 Resp: 182836  
Ion Ratio Lower Upper  
75 100  
77 35.0 23.8 35.6





#49  
 cis-1,3-Dichloropropene  
 Concen: 50.754 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. -0.000 min  
 Lab File: VN083526.D  
 Acq: 28 Aug 2024 09:19

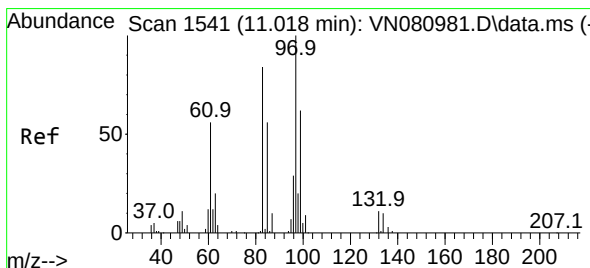
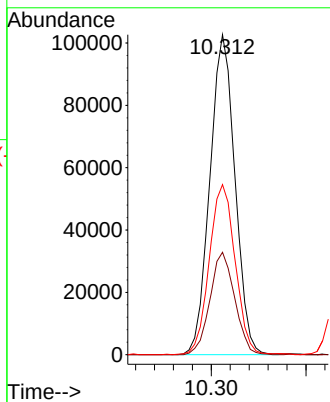
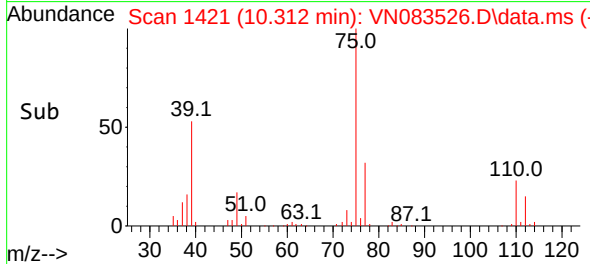
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC050



Tgt Ion: 75 Resp: 189199  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 24.9 37.3  
 39 53.0 31.0 46.6

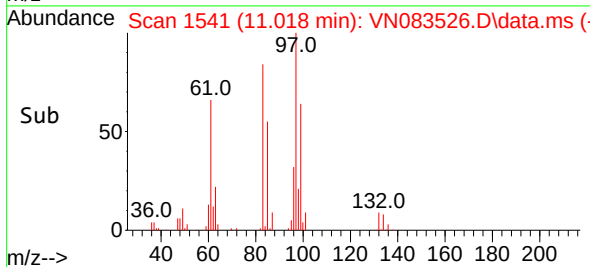
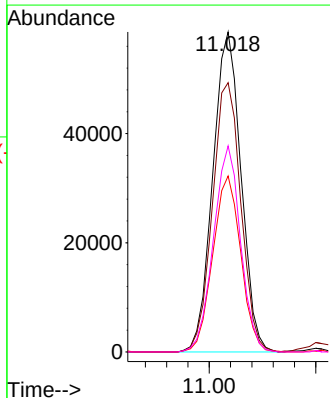
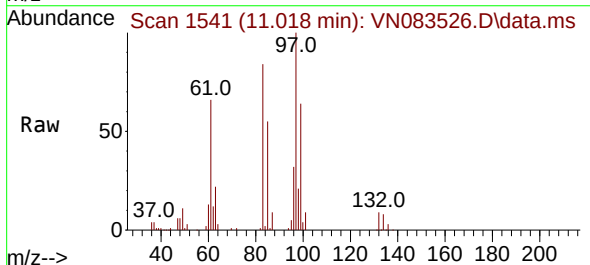
Manual Integrations  
 APPROVED

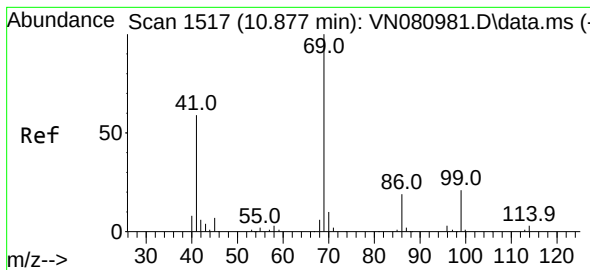
Reviewed By :John Carlone 08/28/2024  
 Supervised By :Mahesh Dadoda 08/29/2024



#50  
 1,1,2-Trichloroethane  
 Concen: 52.223 ug/l  
 RT: 11.018 min Scan# 1541  
 Delta R.T. -0.000 min  
 Lab File: VN083526.D  
 Acq: 28 Aug 2024 09:19

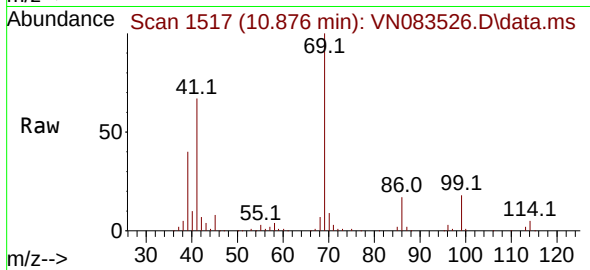
Tgt Ion: 97 Resp: 107775  
 Ion Ratio Lower Upper  
 97 100  
 83 84.1 68.1 102.1  
 85 55.0 41.8 62.6  
 99 64.4 47.0 70.4





#51  
Ethyl methacrylate  
Concen: 47.683 ug/l  
RT: 10.876 min Scan# 1517  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

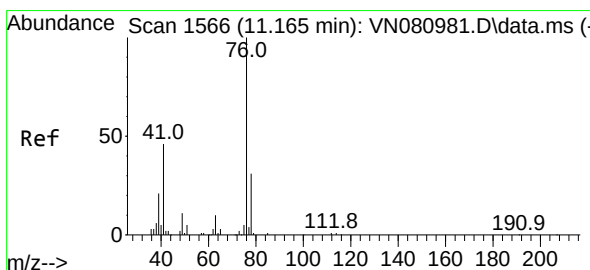
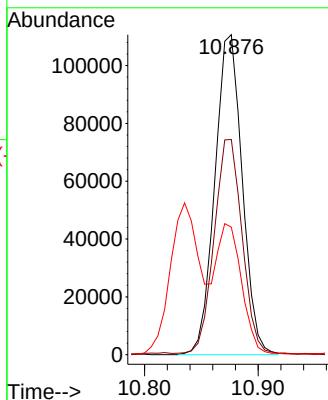
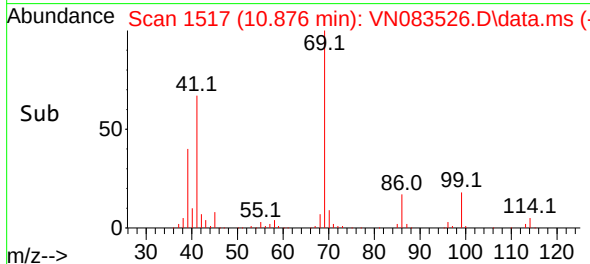
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC050



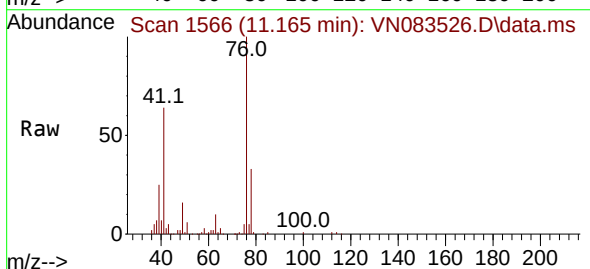
Tgt Ion: 69 Resp: 185720  
Ion Ratio Lower Upper  
69 100  
41 66.8 25.5 76.5  
39 39.5 16.0 47.9

Manual Integrations  
APPROVED

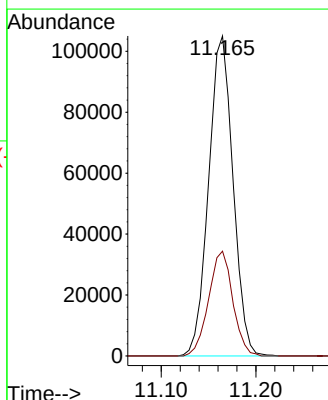
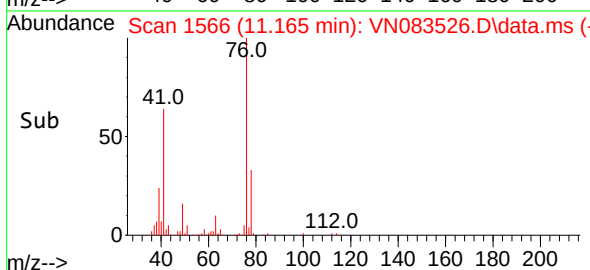
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

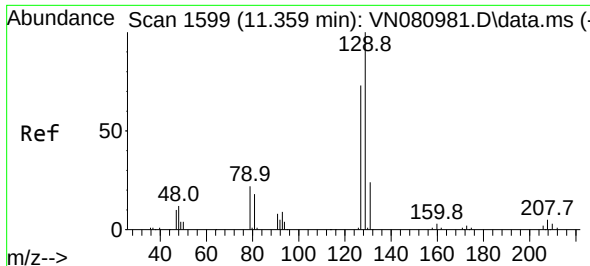


#52  
1,3-Dichloropropane  
Concen: 49.547 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19



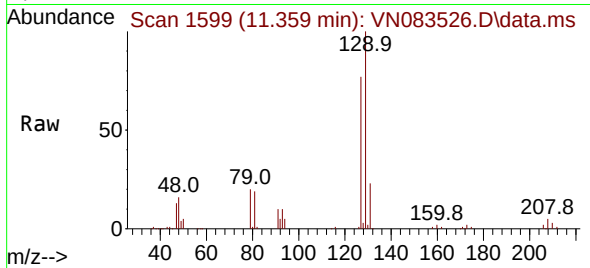
Tgt Ion: 76 Resp: 187862  
Ion Ratio Lower Upper  
76 100  
78 32.4 0.0 65.8





#53  
Dibromochloromethane  
Concen: 56.889 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

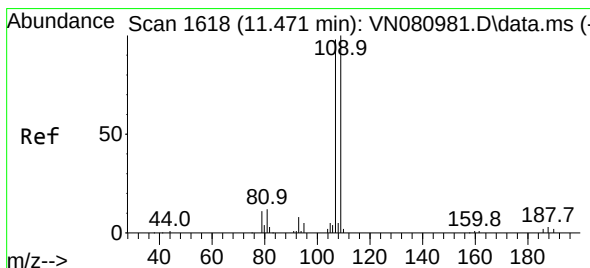
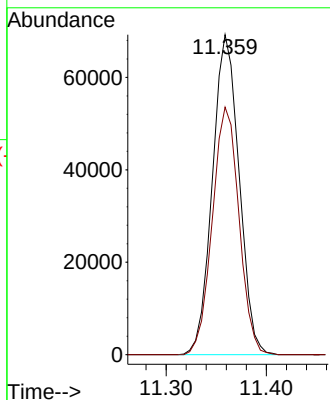
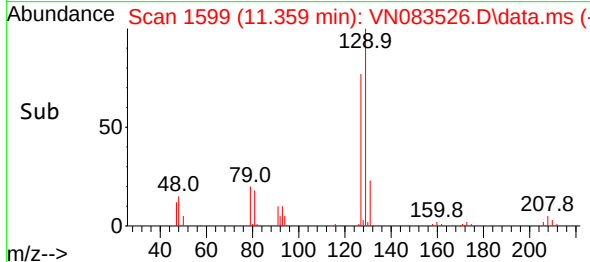
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050



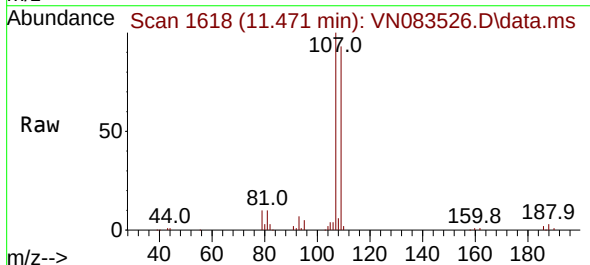
Tgt Ion:129 Resp: 12773  
Ion Ratio Lower Upper  
129 100  
127 77.3 39.4 118.1

Manual Integrations  
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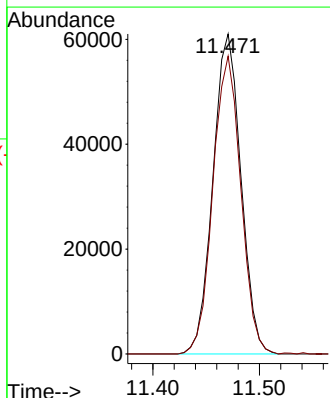
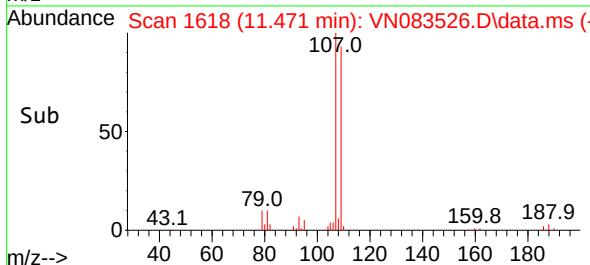
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

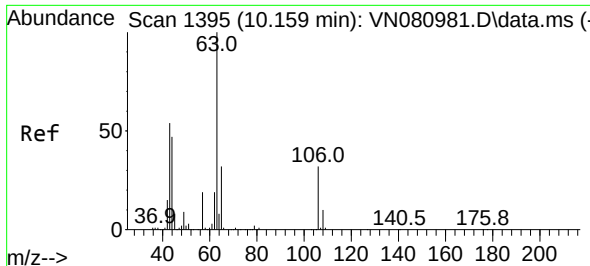


#54  
1,2-Dibromoethane  
Concen: 54.079 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19



Tgt Ion:107 Resp: 111305  
Ion Ratio Lower Upper  
107 100  
109 92.9 74.7 112.1





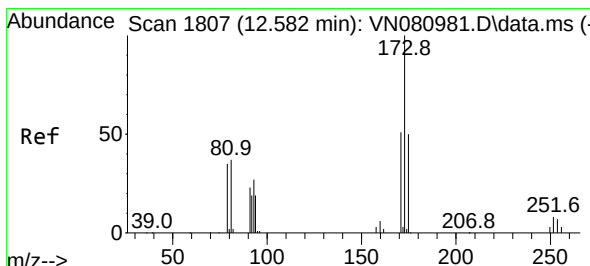
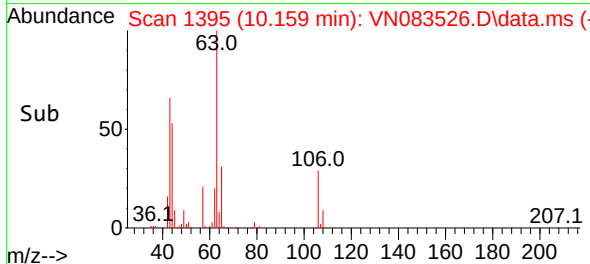
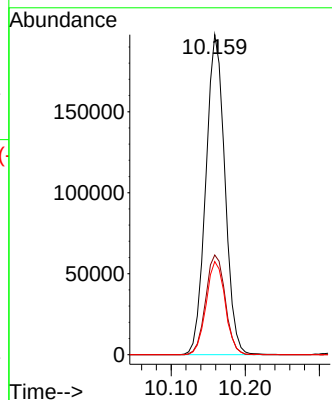
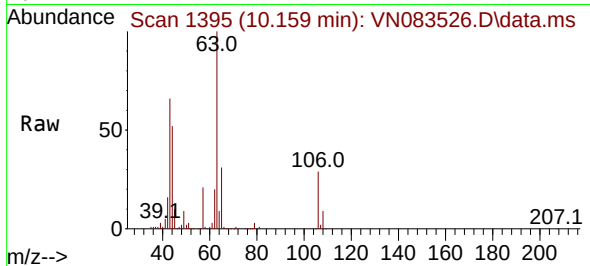
#55  
2-Chloroethyl vinyl ether  
Concen: 181.145 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC050

Tgt Ion: 63 Resp: 352819  
Ion Ratio Lower Upper  
63 100  
65 31.9 26.2 39.2  
106 29.1 23.8 35.8

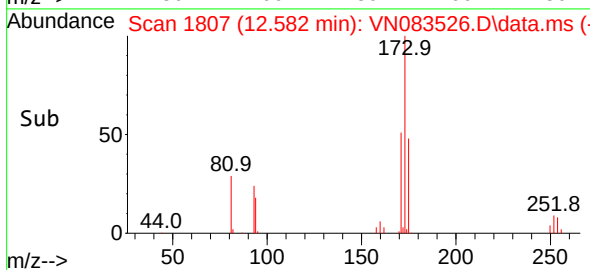
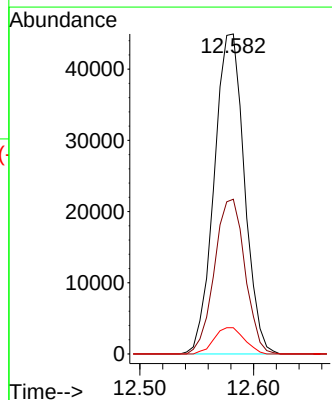
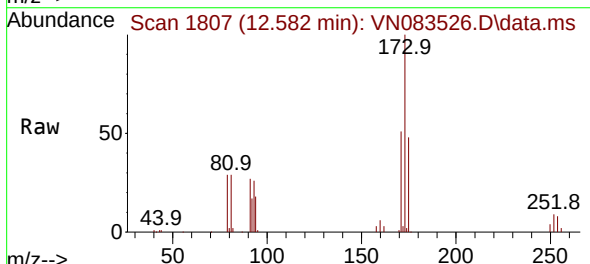
Manual Integrations  
APPROVED

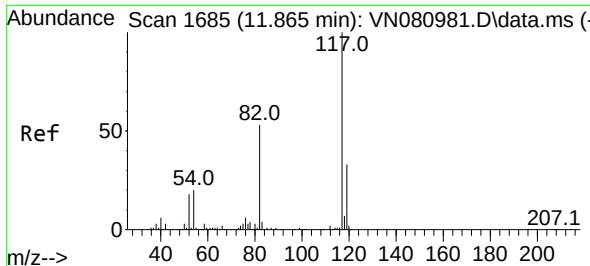
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#56  
Bromoform  
Concen: 60.720 ug/l  
RT: 12.582 min Scan# 1807  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion:173 Resp: 82979  
Ion Ratio Lower Upper  
173 100  
175 48.9 40.0 60.0  
254 8.2 8.3 12.5#





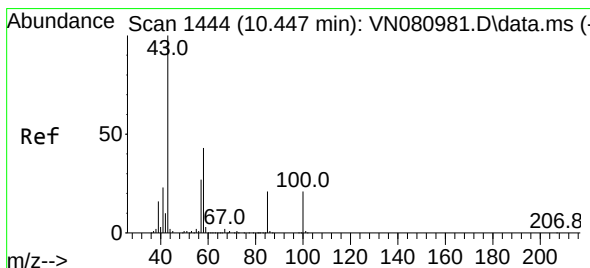
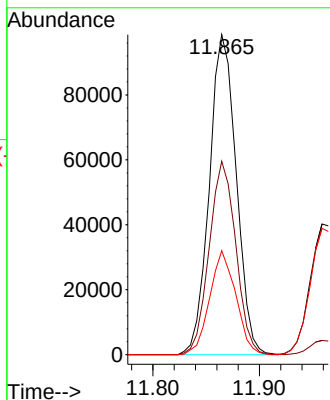
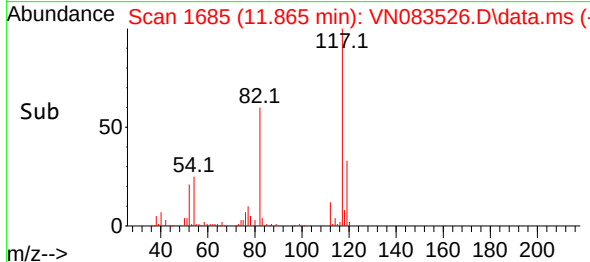
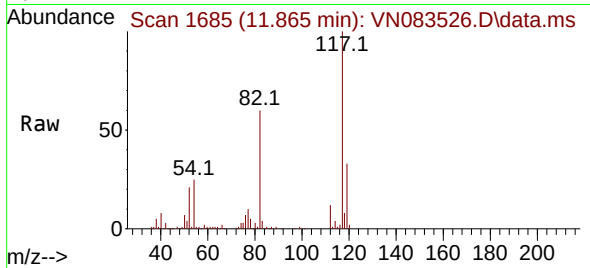
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC050

Tgt Ion:117 Resp: 172908  
Ion Ratio Lower Upper  
117 100  
82 59.8 46.6 69.8  
119 31.6 25.4 38.2

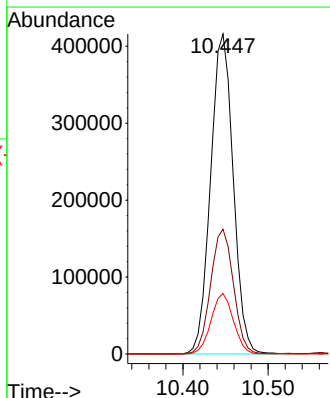
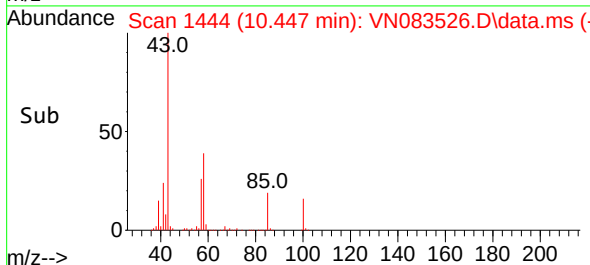
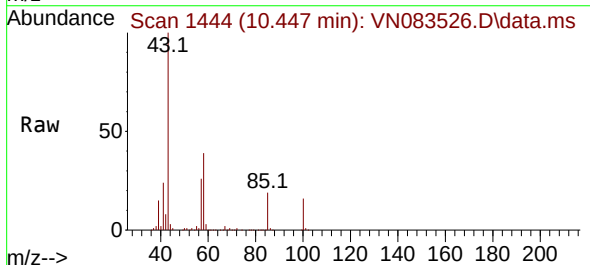
Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

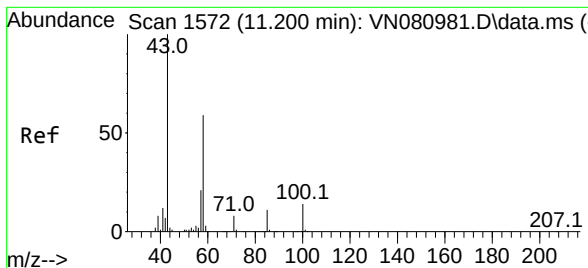


#58  
4-Methyl-2-Pentanone  
Concen: 228.782 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion: 43 Resp: 768065  
Ion Ratio Lower Upper  
43 100  
58 39.3 36.5 54.7  
85 18.7 19.5 29.3#

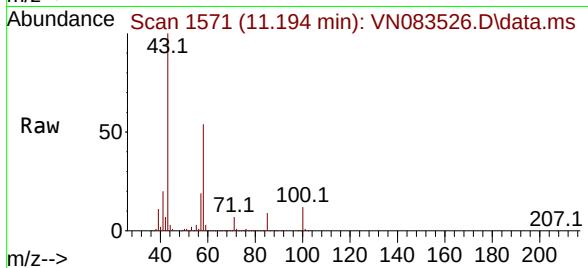






#59  
2-Hexanone  
Concen: 236.116 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

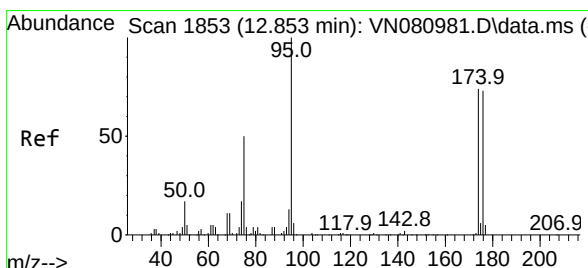
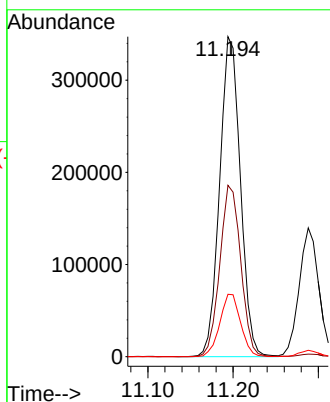
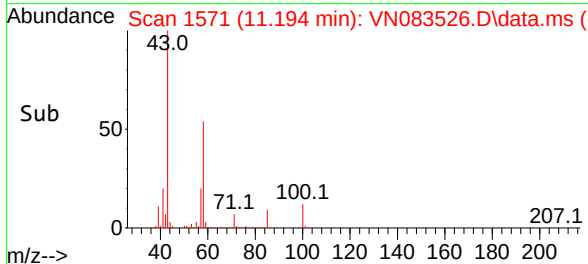
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050



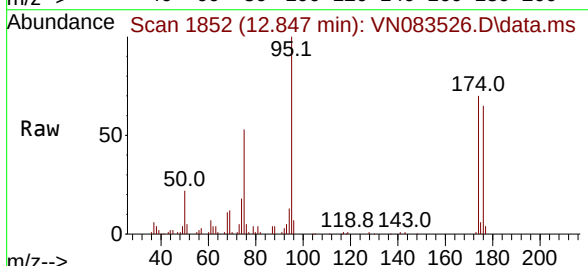
Tgt Ion: 43 Resp: 587760  
Ion Ratio Lower Upper  
43 100  
58 54.1 50.4 75.6  
57 19.6 18.6 27.8

Manual Integrations  
APPROVED

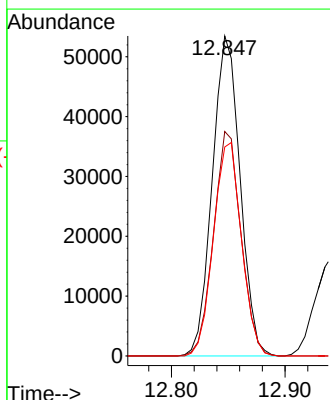
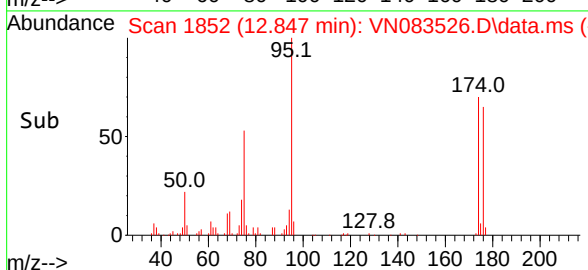
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

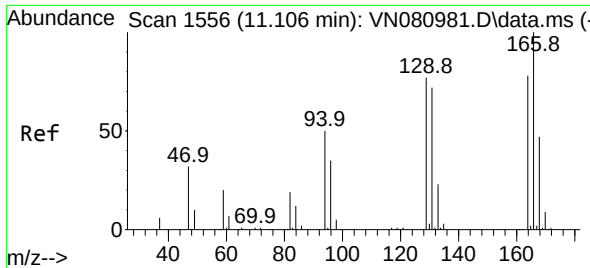


#60  
4-Bromofluorobenzene  
Concen: 31.604 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19



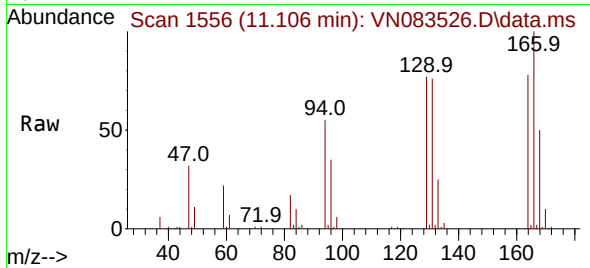
Tgt Ion: 95 Resp: 90942  
Ion Ratio Lower Upper  
95 100  
174 69.4 60.5 90.7  
176 67.3 57.8 86.6





#61  
Tetrachloroethene  
Concen: 46.950 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

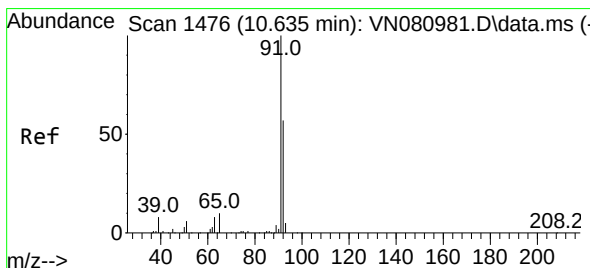
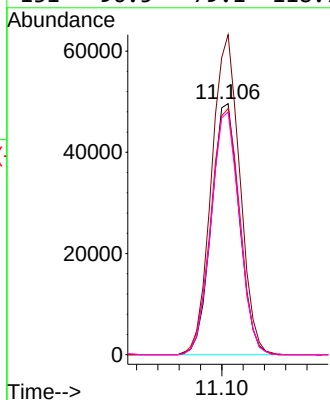
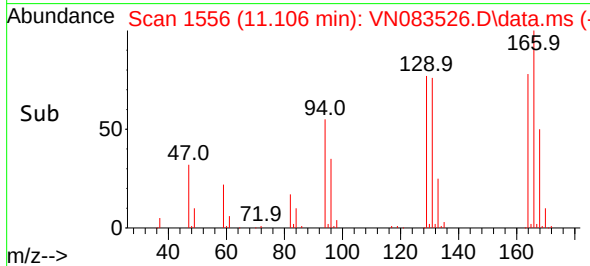
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050



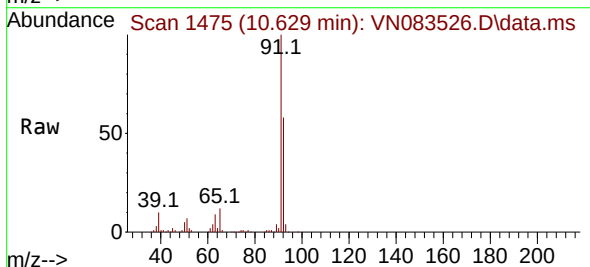
Tgt Ion:164 Resp: 90078  
Ion Ratio Lower Upper  
164 100  
166 127.5 106.7 160.1  
129 98.0 85.8 128.6  
131 96.5 79.1 118.7

Manual Integrations  
APPROVED

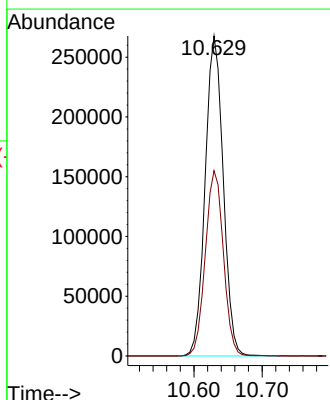
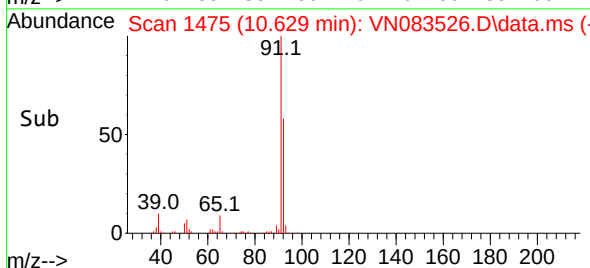
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

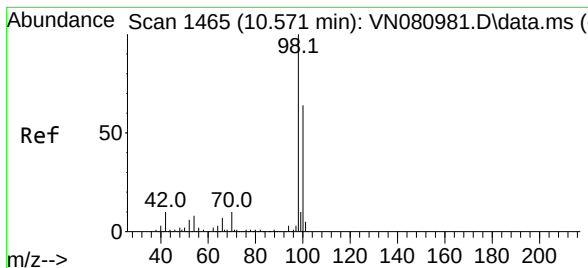


#62  
Toluene  
Concen: 50.721 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19



Tgt Ion: 91 Resp: 493450  
Ion Ratio Lower Upper  
91 100  
92 57.9 46.5 69.7





#63

Toluene-d8

Concen: 28.778 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

Tgt Ion: 98 Resp: 236310

Ion Ratio Lower Upper

98 100

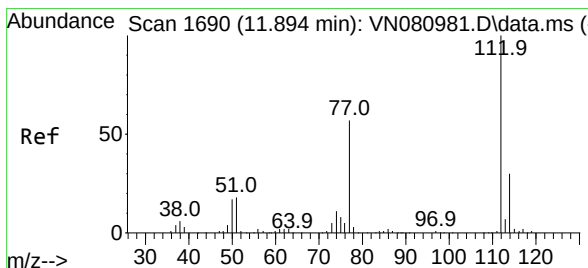
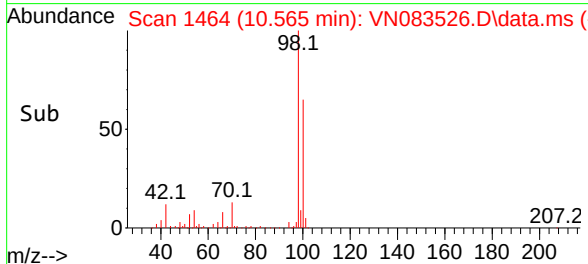
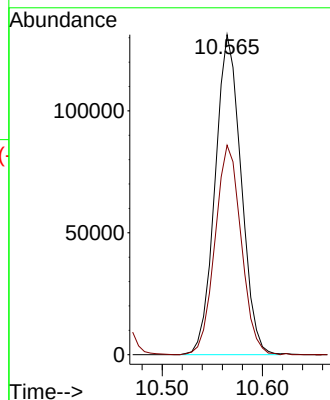
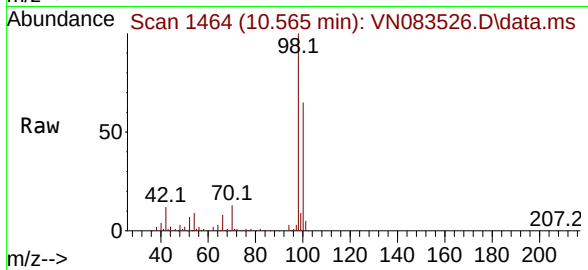
100 65.9 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/29/2024



#64

Chlorobenzene

Concen: 51.963 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.006 min

Lab File: VN083526.D

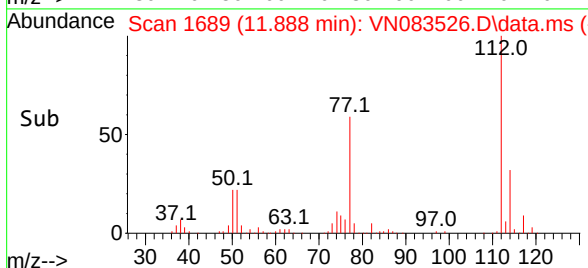
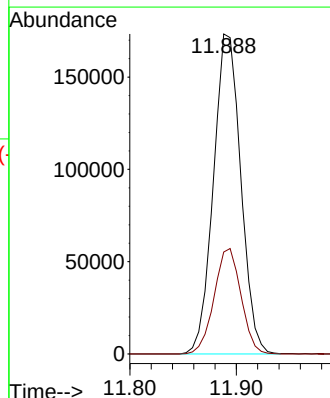
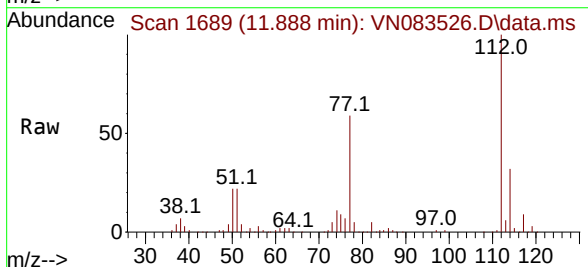
Acq: 28 Aug 2024 09:19

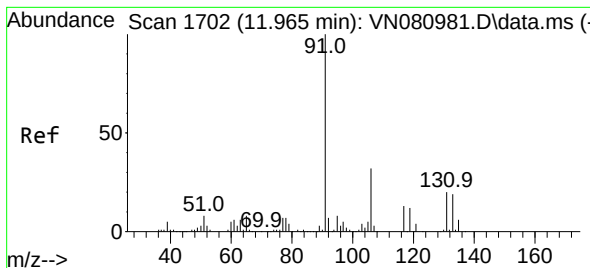
Tgt Ion:112 Resp: 309206

Ion Ratio Lower Upper

112 100

114 31.9 26.6 39.8





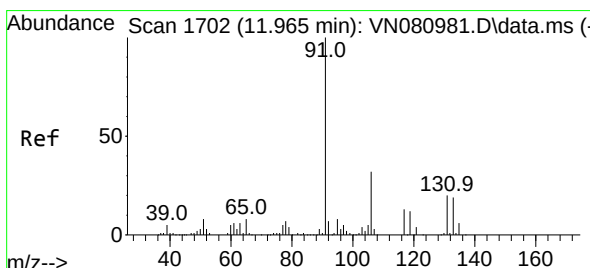
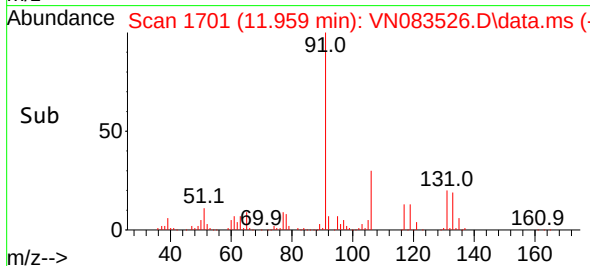
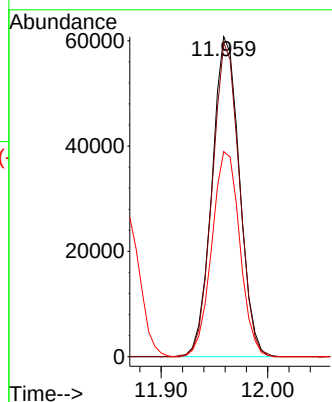
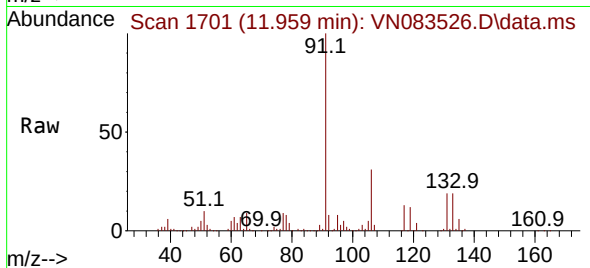
#65  
1,1,1,2-Tetrachloroethane  
Concen: 55.887 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC050

Tgt Ion:131 Resp: 108849  
Ion Ratio Lower Upper  
131 100  
133 96.8 0.0 188.0  
119 65.2 0.0 122.8

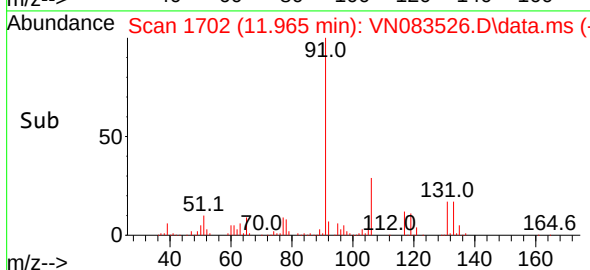
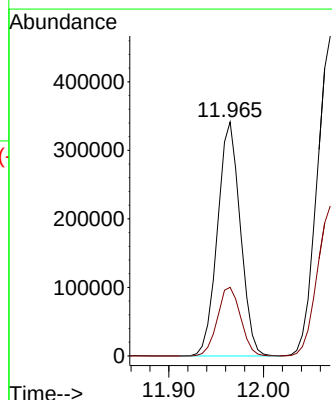
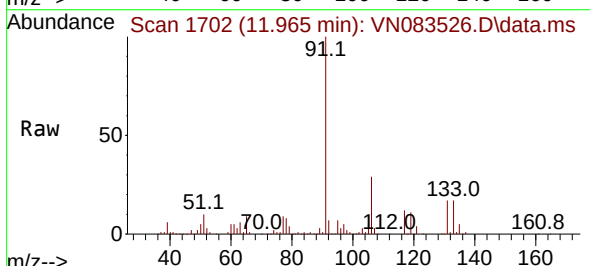
Manual Integrations  
APPROVED

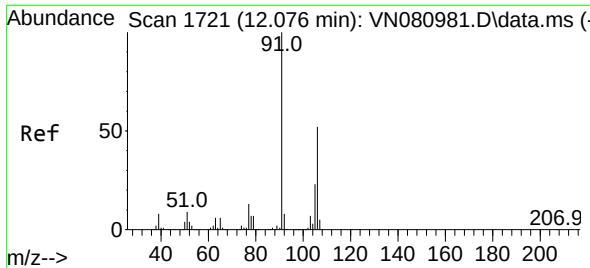
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#66  
Ethyl Benzene  
Concen: 53.648 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion: 91 Resp: 572106  
Ion Ratio Lower Upper  
91 100  
106 29.3 24.4 36.6





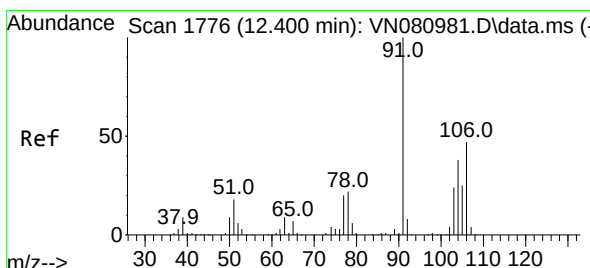
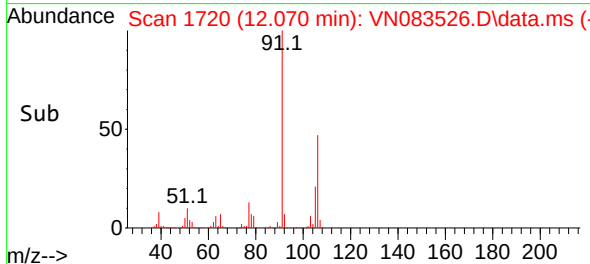
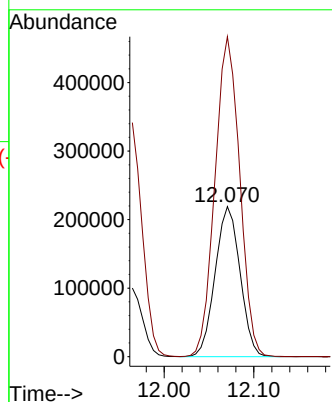
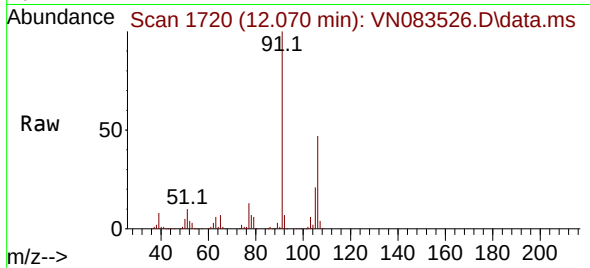
#67  
m/p-Xylenes  
Concen: 106.614 ug/l  
RT: 12.070 min Scan# 1721  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

Tgt Ion:106 Resp: 42153  
Ion Ratio Lower Upper  
106 100  
91 212.6 166.6 249.8

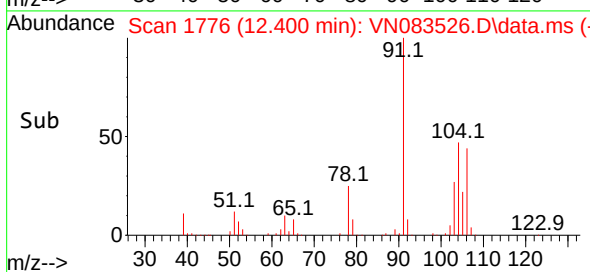
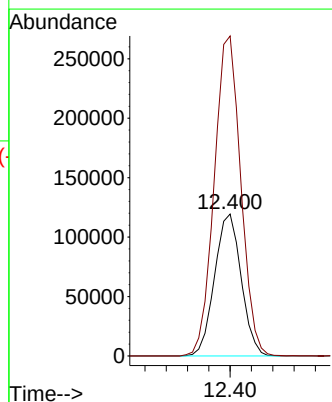
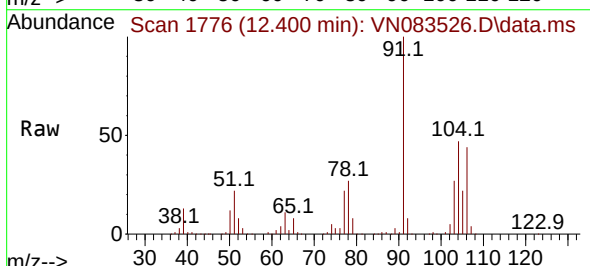
Manual Integrations  
APPROVED

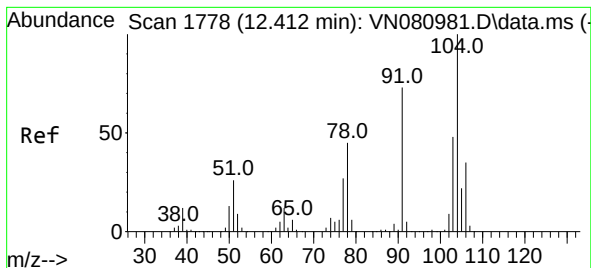
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#68  
o-Xylene  
Concen: 52.822 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion:106 Resp: 206633  
Ion Ratio Lower Upper  
106 100  
91 225.3 110.0 330.0





#69

Styrene

Concen: 53.604 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

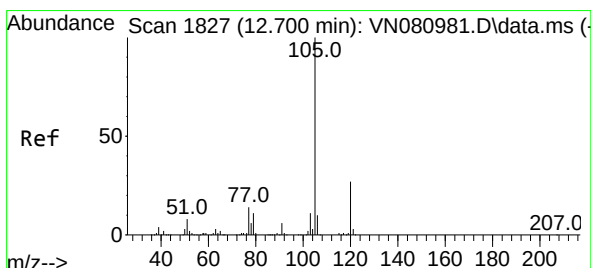
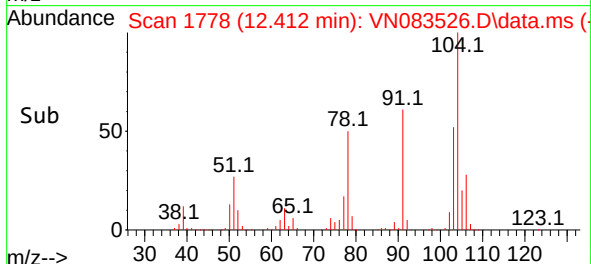
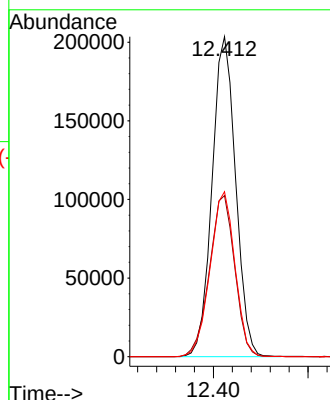
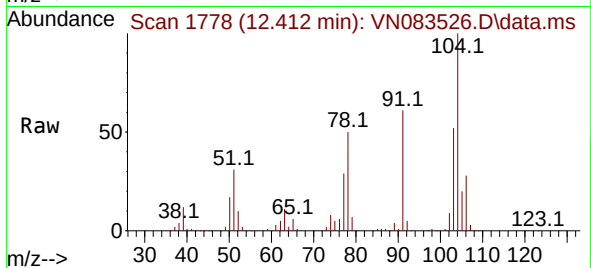
Tgt Ion:104 Resp: 352000  
 Ion Ratio Lower Upper  
 104 100  
 78 54.0 42.6 64.0  
 103 54.3 43.7 65.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/29/2024



#70

Isopropylbenzene

Concen: 55.608 ug/l

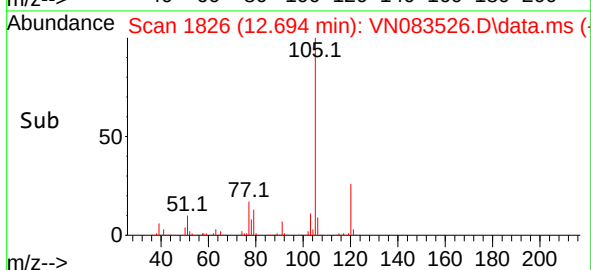
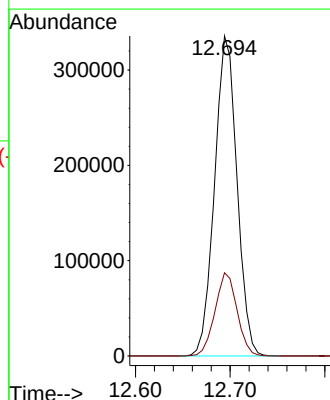
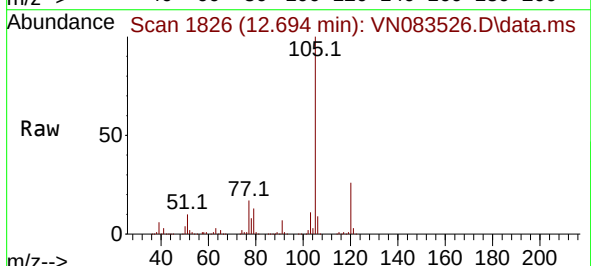
RT: 12.694 min Scan# 1826

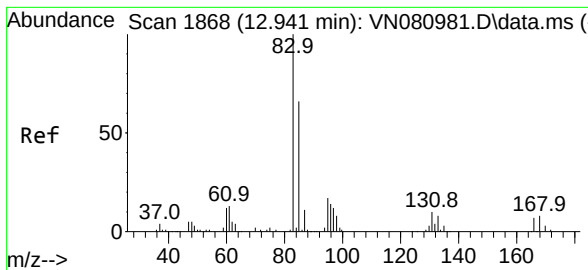
Delta R.T. -0.006 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

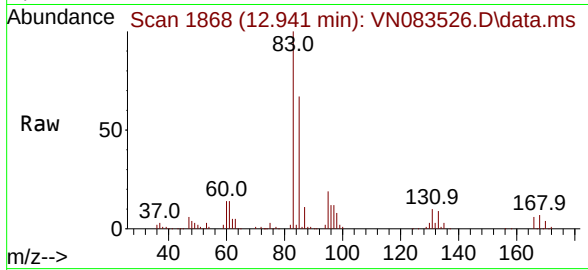
Tgt Ion:105 Resp: 552464  
 Ion Ratio Lower Upper  
 105 100  
 120 25.6 17.8 33.1





#71  
1,1,2,2-Tetrachloroethane  
Concen: 55.268 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

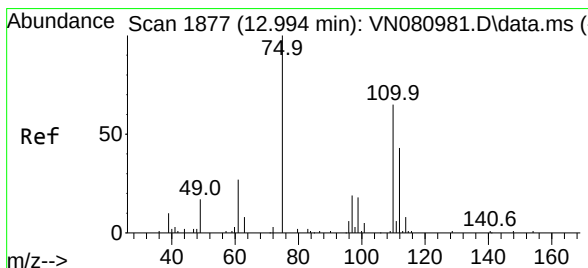
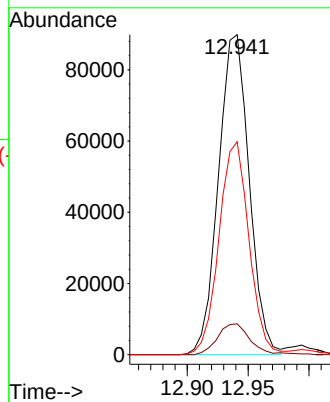
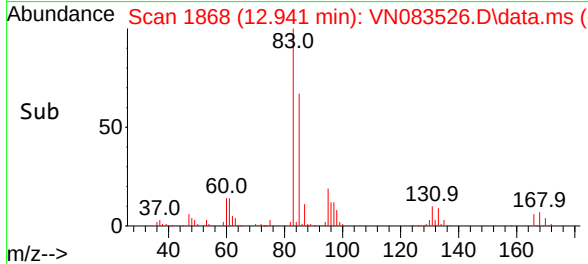
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050



Tgt Ion: 83 Resp: 158014  
Ion Ratio Lower Upper  
83 100  
131 9.9 5.2 15.6  
85 65.0 32.3 96.8

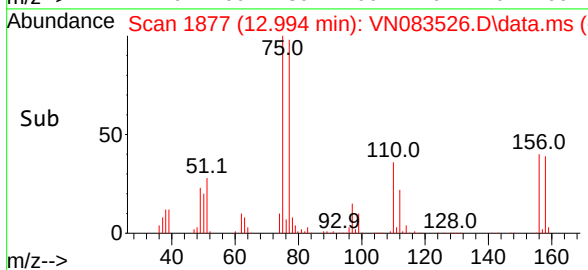
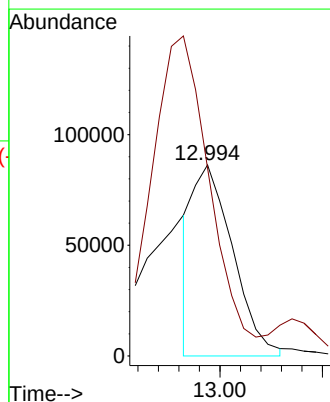
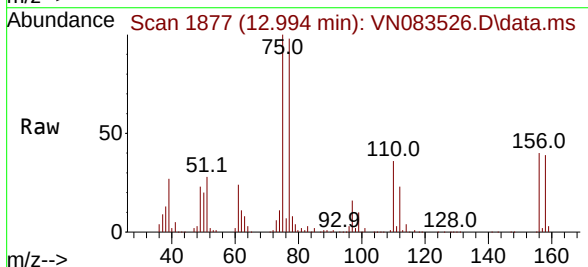
Manual Integrations  
APPROVED

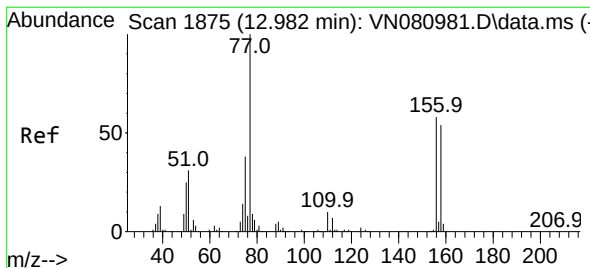
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#72  
1,2,3-Trichloropropane  
Concen: 50.244 ug/l m  
RT: 12.994 min Scan# 1877  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion: 75 Resp: 117543  
Ion Ratio Lower Upper  
75 100  
77 245.0 0.0 367.6





#73

Bromobenzene

Concen: 57.486 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC050

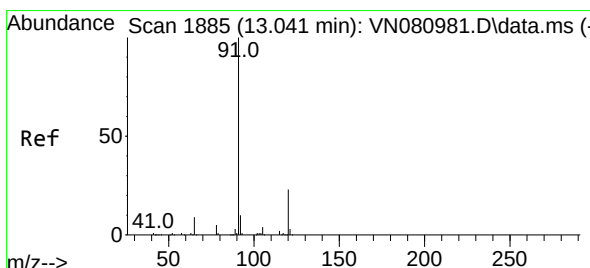
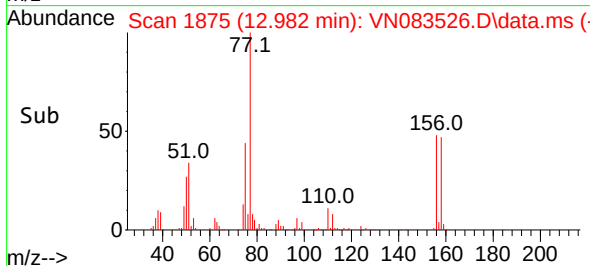
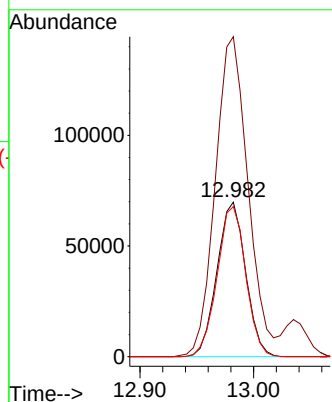
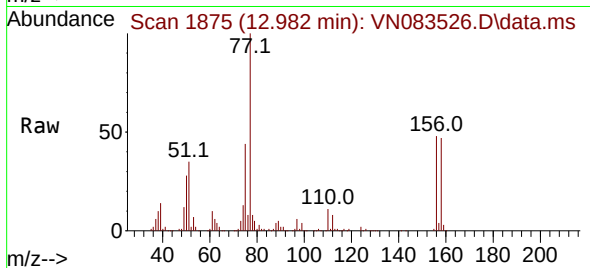
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 12225 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 235.6 | 0.0   | 437.6 |
| 158       | 96.9  | 0.0   | 203.8 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/29/2024



#74

n-propylbenzene

Concen: 54.939 ug/l

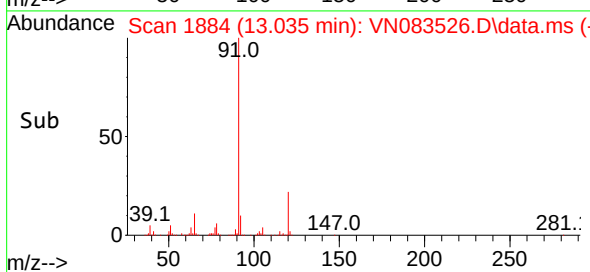
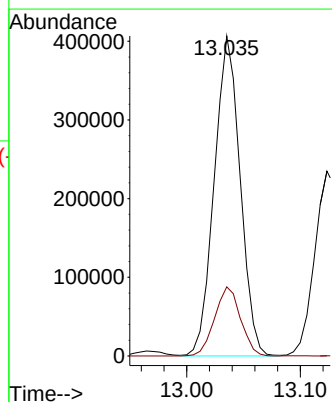
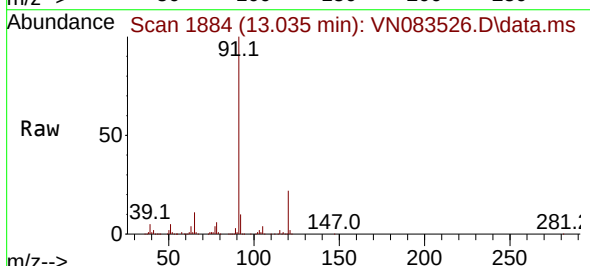
RT: 13.035 min Scan# 1884

Delta R.T. -0.006 min

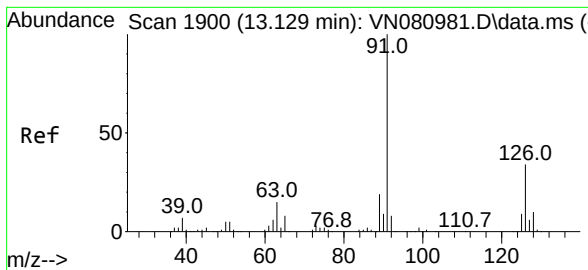
Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 644419 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.6  | 0.0   | 43.8   |







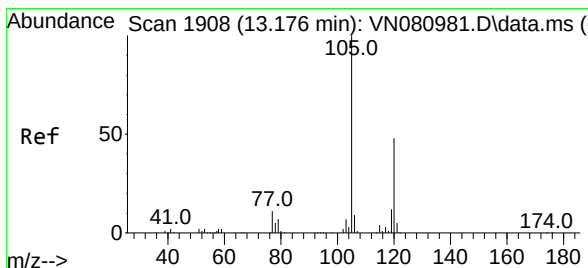
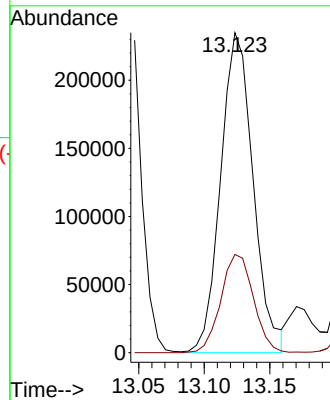
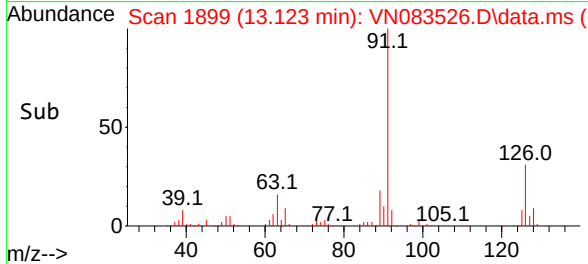
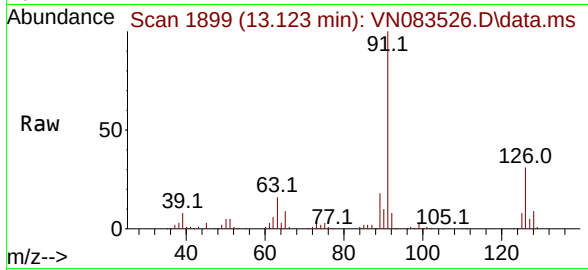
#75  
2-Chlorotoluene  
Concen: 55.825 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC050

Tgt Ion: 91 Resp: 404794  
Ion Ratio Lower Upper  
91 100  
126 30.8 0.0 61.2

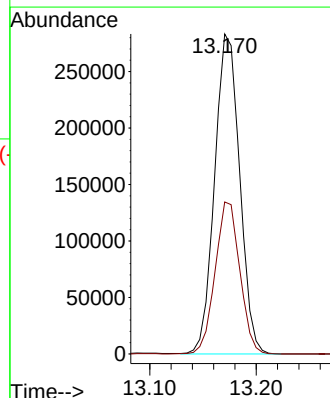
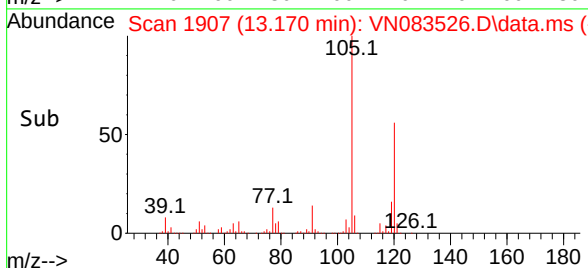
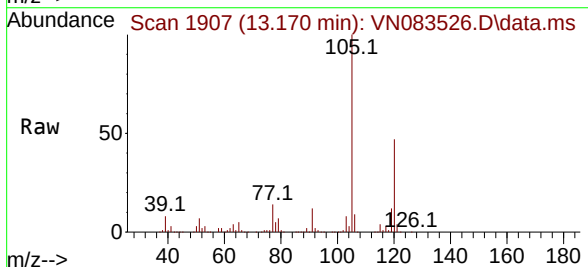
Manual Integrations  
APPROVED

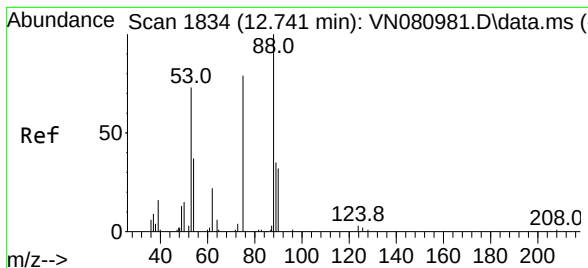
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#76  
1,3,5-Trimethylbenzene  
Concen: 57.453 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion:105 Resp: 462019  
Ion Ratio Lower Upper  
105 100  
120 46.9 0.0 95.8





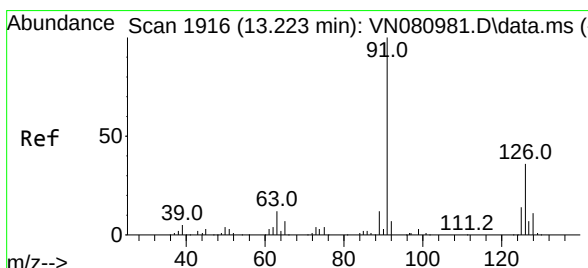
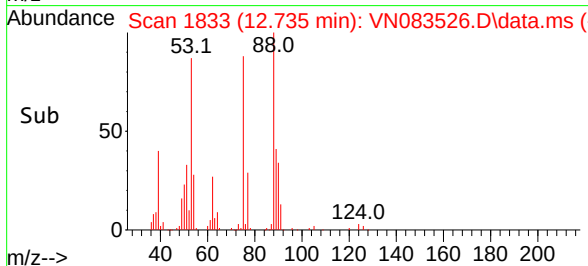
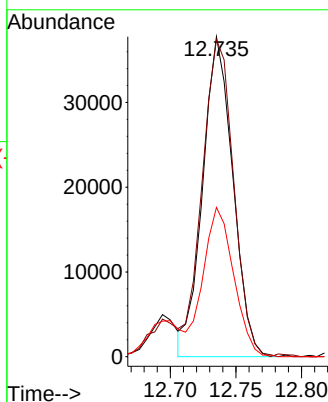
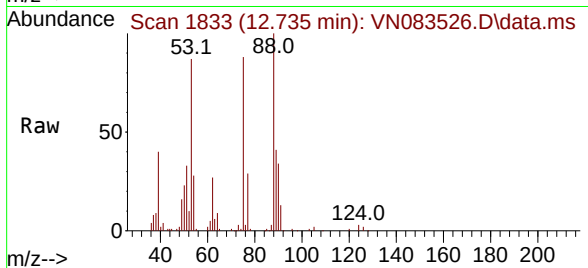
#77  
t-1,4-Dichloro-2-butene  
Concen: 50.814 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

Tgt Ion: 75 Resp: 60483  
Ion Ratio Lower Upper  
75 100  
53 98.3 45.9 137.7  
89 46.6 25.9 77.7

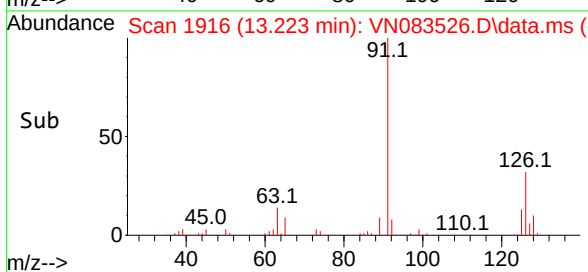
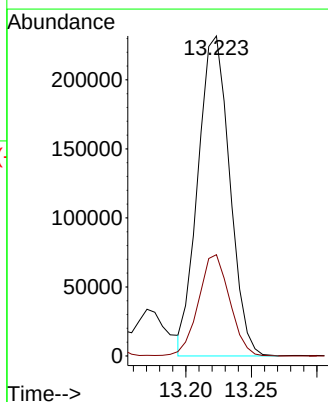
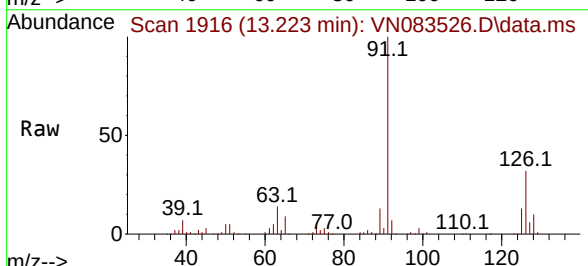
Manual Integrations  
APPROVED

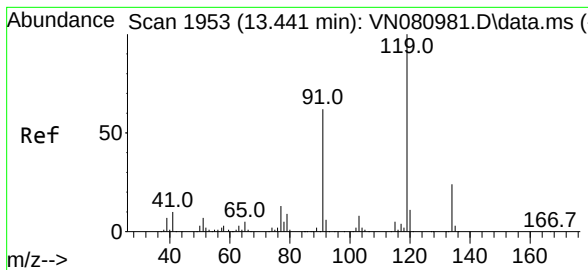
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#78  
4-Chlorotoluene  
Concen: 54.998 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion: 91 Resp: 390695  
Ion Ratio Lower Upper  
91 100  
126 31.2 0.0 62.8





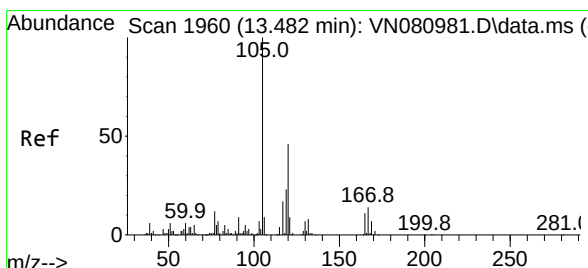
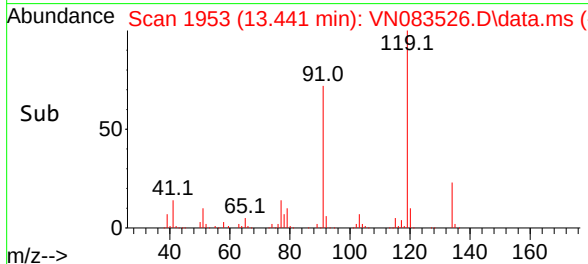
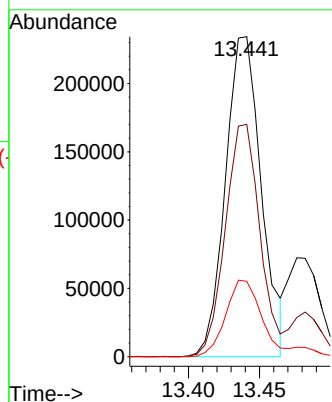
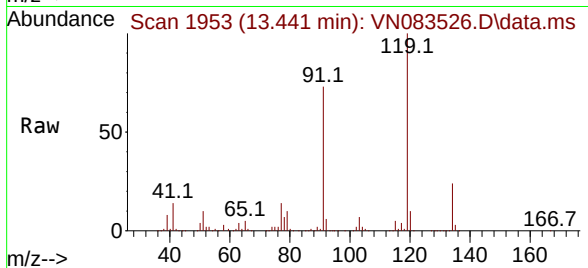
#79  
tert-butylbenzene  
Concen: 59.515 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050

Tgt Ion:119 Resp: 41207  
Ion Ratio Lower Upper  
119 100  
91 70.0 0.0 138.8  
134 23.9 0.0 48.6

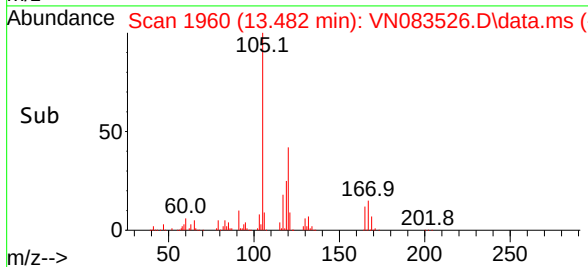
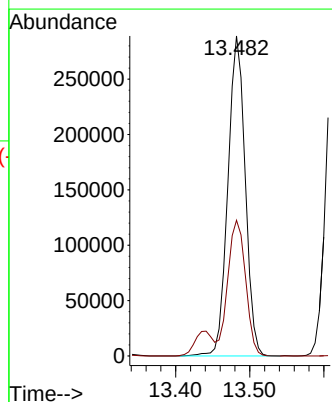
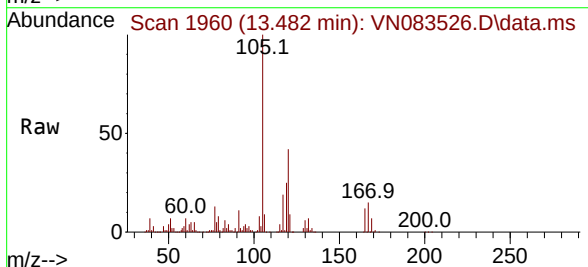
Manual Integrations  
APPROVED

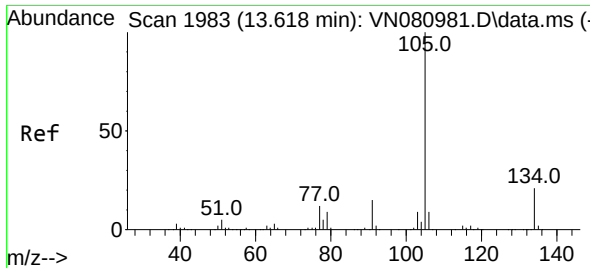
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#80  
1,2,4-Trimethylbenzene  
Concen: 58.007 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion:105 Resp: 468554  
Ion Ratio Lower Upper  
105 100  
120 43.9 0.0 86.8





#81  
 sec-Butylbenzene  
 Concen: 57.306 ug/l  
 RT: 13.617 min Scan# 1983  
 Delta R.T. -0.000 min  
 Lab File: VN083526.D  
 Acq: 28 Aug 2024 09:19

Instrument :

MSVOA\_N

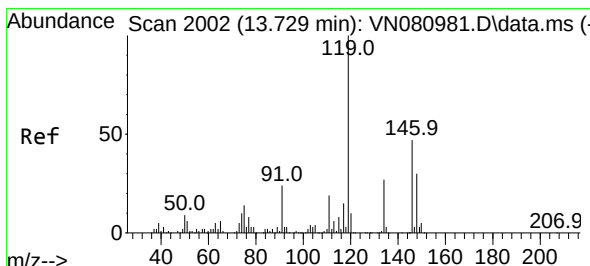
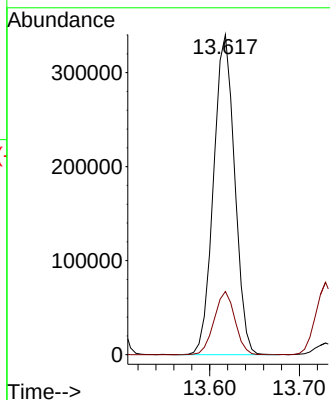
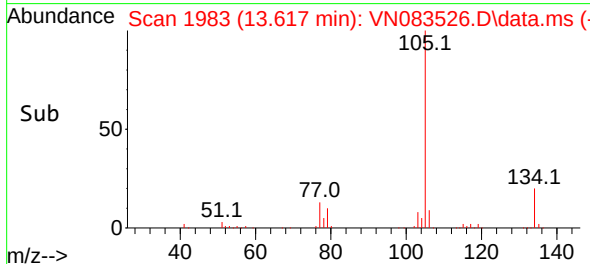
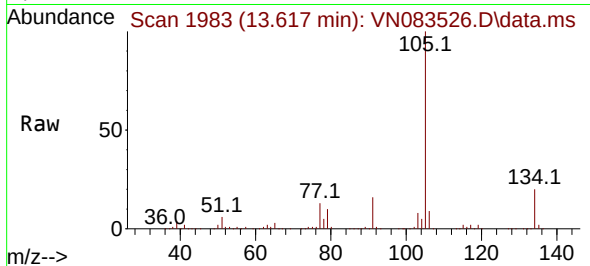
ClientSampleId :

VSTDICC050

Tgt Ion:105 Resp: 55619  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 0.0 39.0

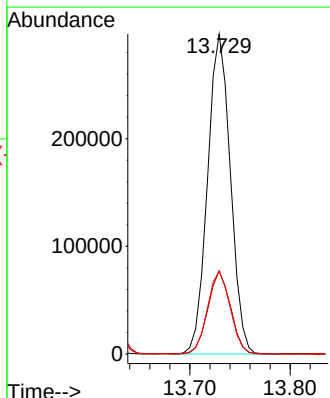
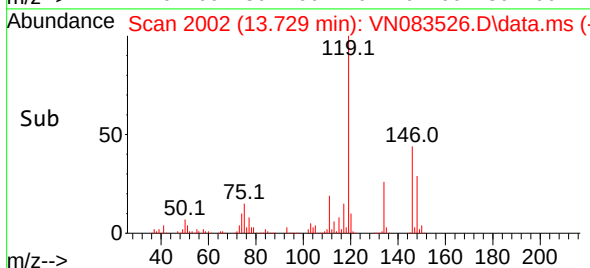
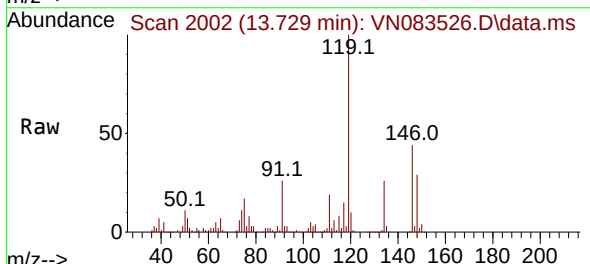
Manual Integrations  
 APPROVED

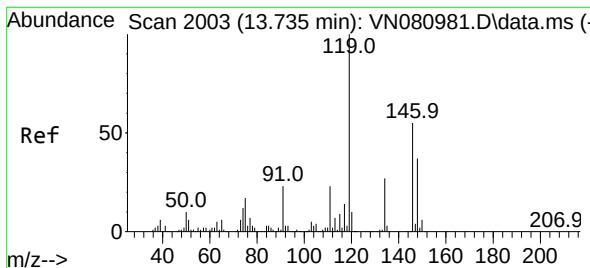
Reviewed By :John Carlone 08/28/2024  
 Supervised By :Mahesh Dadoda 08/29/2024



#82  
 p-Isopropyltoluene  
 Concen: 61.384 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. -0.000 min  
 Lab File: VN083526.D  
 Acq: 28 Aug 2024 09:19

Tgt Ion:119 Resp: 471102  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 0.0 49.2  
 91 25.7 0.0 48.8





#83

1,3-Dichlorobenzene

Concen: 61.626 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC050

Tgt Ion:146 Resp: 23599

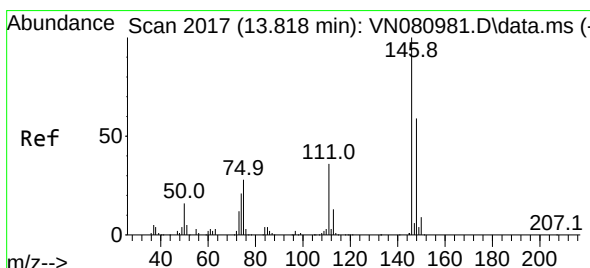
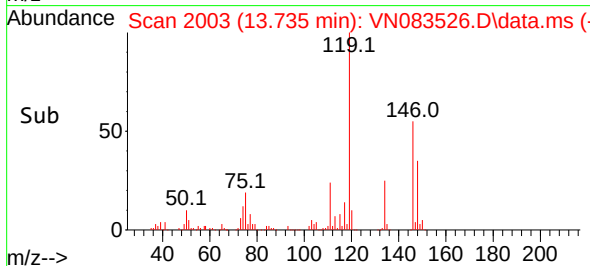
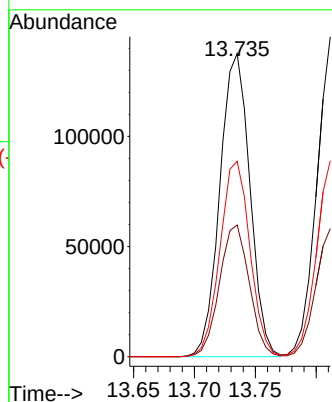
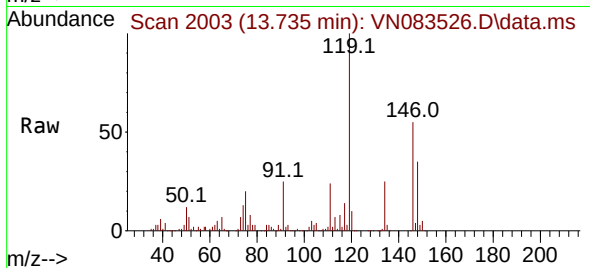
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 43.3  | 22.4  | 67.0  |
| 148 | 64.5  | 32.1  | 96.5  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/29/2024



#84

1,4-Dichlorobenzene

Concen: 61.586 ug/l

RT: 13.812 min Scan# 2016

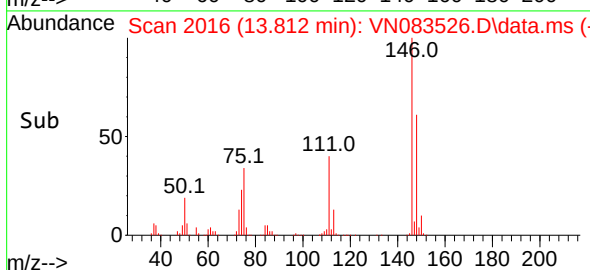
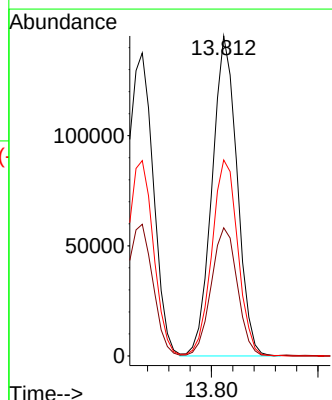
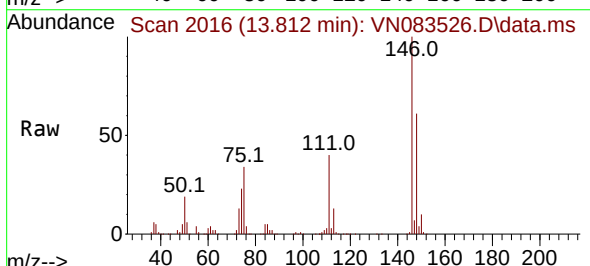
Delta R.T. -0.006 min

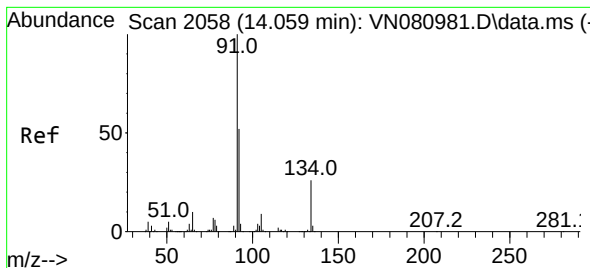
Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

Tgt Ion:146 Resp: 237043

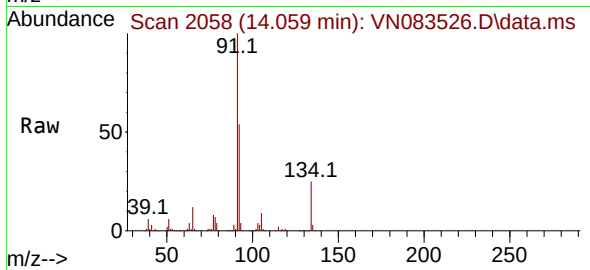
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 41.8  | 21.3  | 63.9  |
| 148 | 63.6  | 31.9  | 95.5  |





#85  
n-Butylbenzene  
Concen: 58.060 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

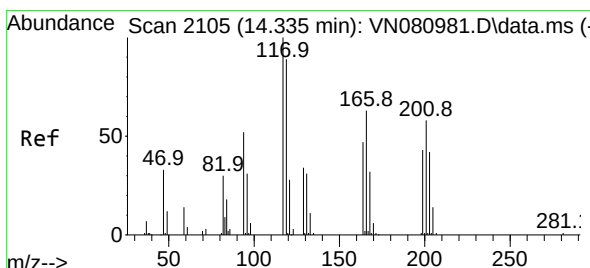
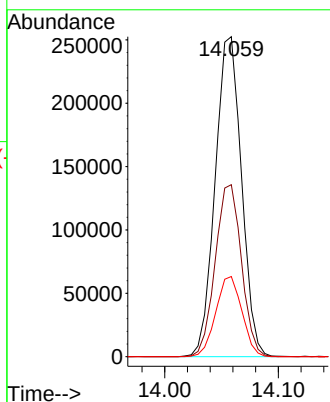
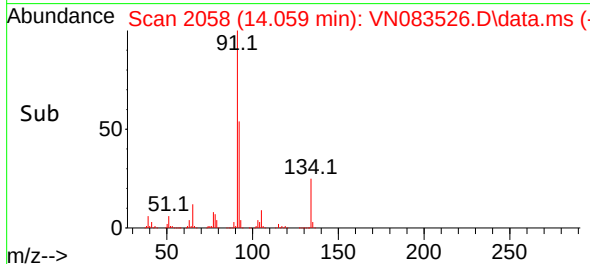
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC050



Tgt Ion: 91 Resp: 40702  
Ion Ratio Lower Upper  
91 100  
92 53.5 0.0 105.0  
134 24.8 0.0 51.8

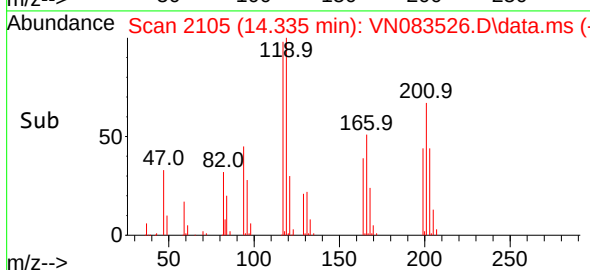
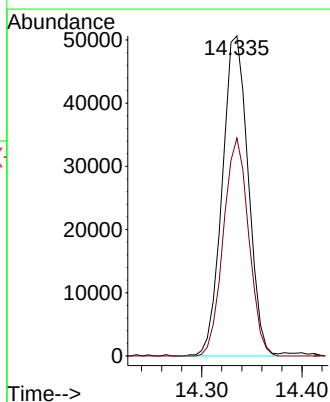
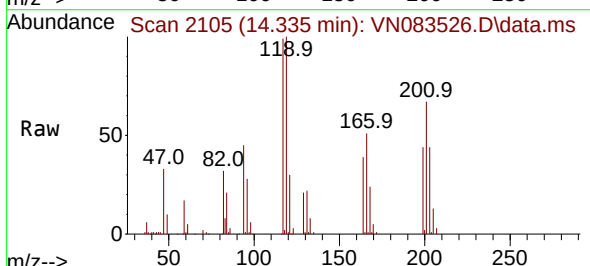
Manual Integrations  
APPROVED

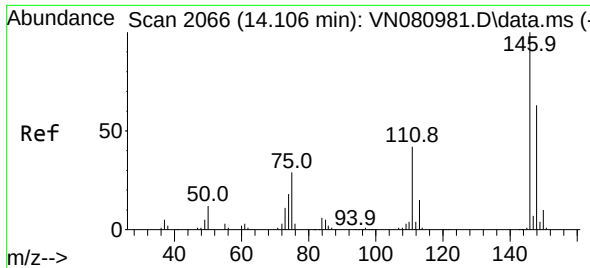
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#86  
Hexachloroethane  
Concen: 59.370 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

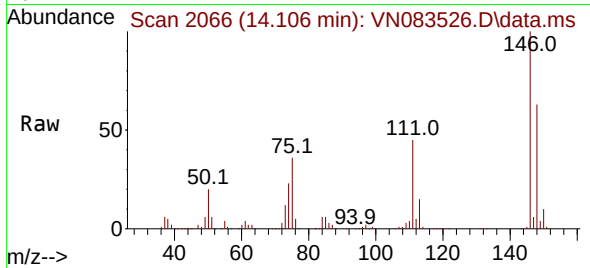
Tgt Ion:117 Resp: 90852  
Ion Ratio Lower Upper  
117 100  
201 66.3 38.0 114.0





#87  
1,2-Dichlorobenzene  
Concen: 62.339 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

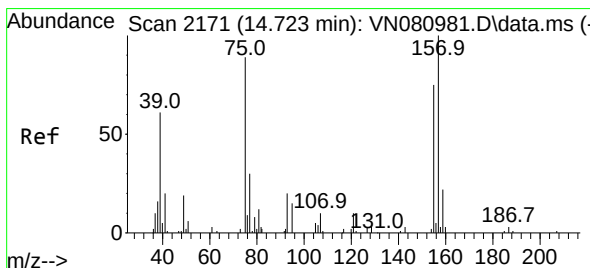
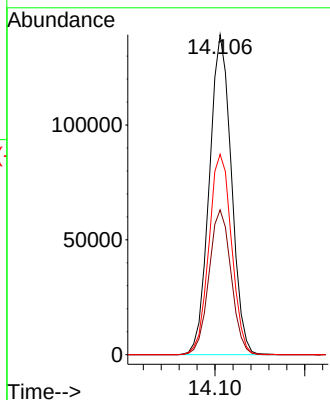
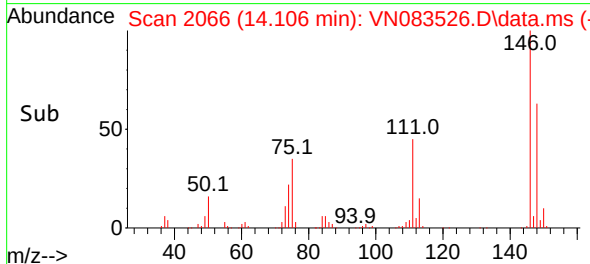
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC050



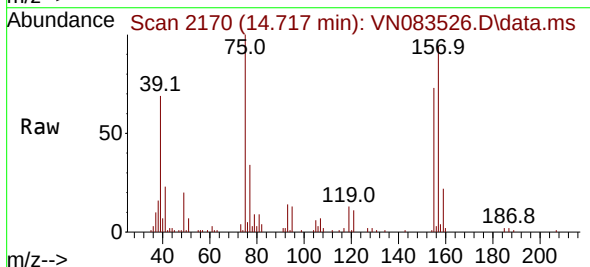
Tgt Ion:146 Resp: 23776  
Ion Ratio Lower Upper  
146 100  
111 45.5 22.6 67.8  
148 64.3 31.3 93.8

Manual Integrations  
APPROVED

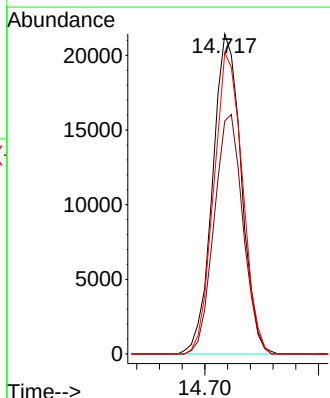
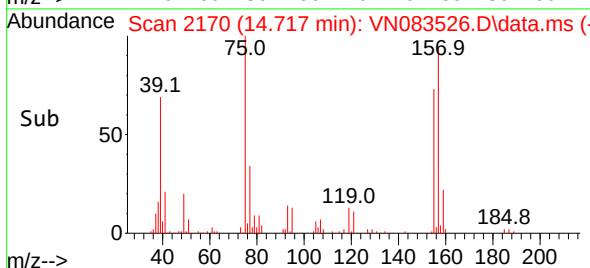
Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024

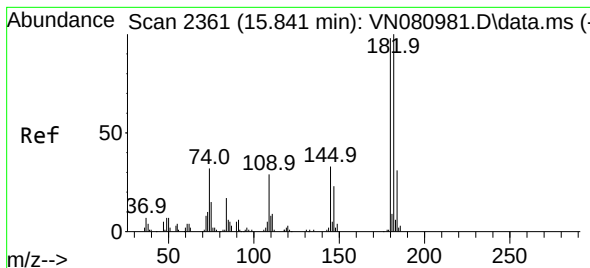


#88  
1,2-Dibromo-3-Chloropropane  
Concen: 58.680 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. -0.006 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19



Tgt Ion: 75 Resp: 37647  
Ion Ratio Lower Upper  
75 100  
155 74.9 61.7 92.5  
157 94.2 83.6 125.4





#89

1,2,4-Trichlorobenzene

Concen: 62.071 ug/l

RT: 15.841 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC050

Tgt Ion:180 Resp: 130350

Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

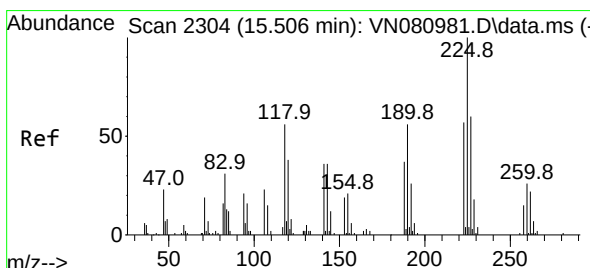
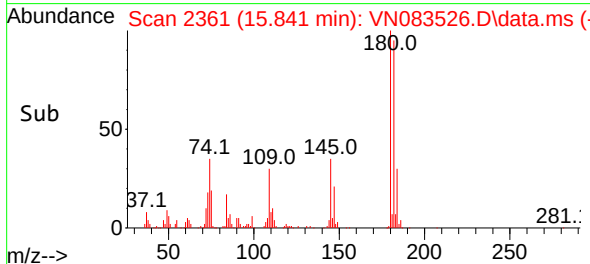
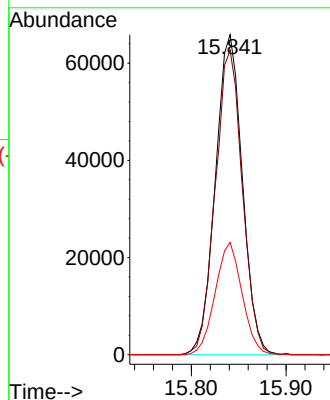
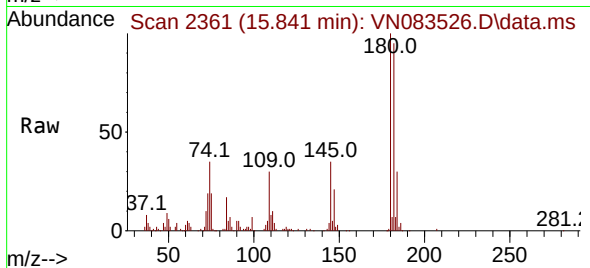
145 35.0 28.4 42.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/28/2024

Supervised By :Mahesh Dadoda 08/29/2024



#90

Hexachlorobutadiene

Concen: 70.918 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.006 min

Lab File: VN083526.D

Acq: 28 Aug 2024 09:19

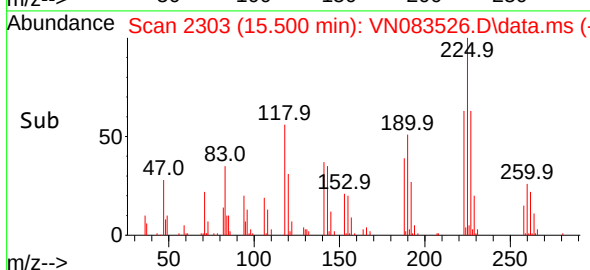
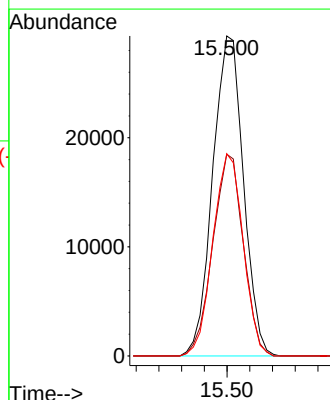
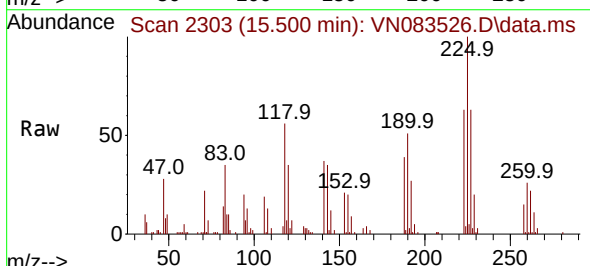
Tgt Ion:225 Resp: 55160

Ion Ratio Lower Upper

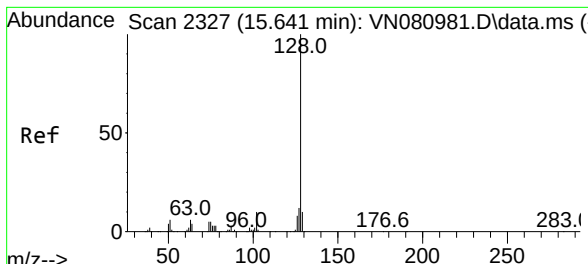
225 100

223 62.5 0.0 126.6

227 62.2 0.0 126.6

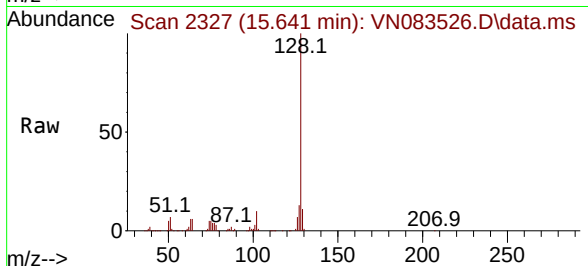






#91  
Naphthalene  
Concen: 56.922 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

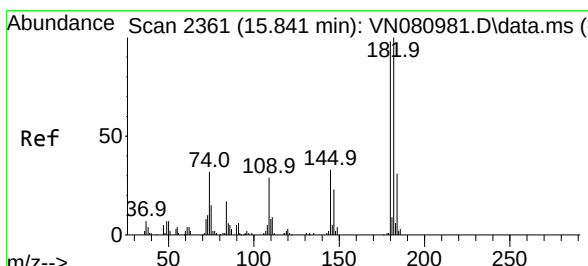
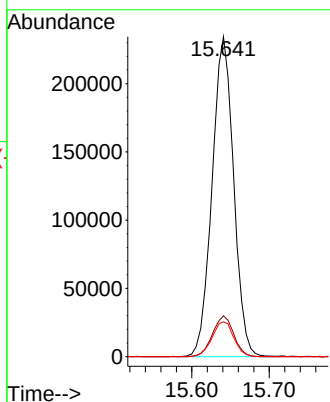
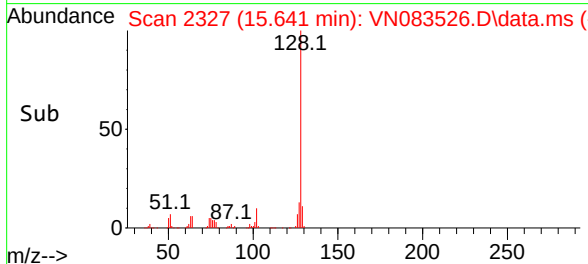
Instrument : MSVOA\_N  
ClientSampleId : VSTDIC050



Tgt Ion:128 Resp: 45443  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.6 16.0  
129 11.1 8.6 13.0

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/28/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#92  
1,2,3-Trichlorobenzene  
Concen: 62.071 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. -0.000 min  
Lab File: VN083526.D  
Acq: 28 Aug 2024 09:19

Tgt Ion:180 Resp: 130356  
Ion Ratio Lower Upper  
180 100  
182 95.4 0.0 191.0  
145 35.0 0.0 71.0

