

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092723\  
 Data File : VN079361.D  
 Acq On : 27 Sep 2023 12:30  
 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN092723

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/28/2023  
 Supervised By : Semsettin Yesilyurt 09/28/2023

Quant Time: Sep 28 00:46:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N092723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Sep 27 23:50:58 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Bromochloromethane        | 7.818          | 128  | 38722               | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.106          | 114  | 210796              | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.871         | 117  | 191071              | 30.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.582          | 65   | 96515               | 30.383  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 101.267% |         |        |          |
| 60) 4-Bromofluorobenzene     | 12.853         | 95   | 84138               | 30.894  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 102.967% |         |        |          |
| 63) Toluene-d8               | 10.571         | 98   | 283221              | 30.170  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 100.567% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.130          | 85   | 46369               | 19.404  | ug/l   | 98       |
| 3) Chloromethane             | 2.365          | 50   | 58259               | 19.012  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.518          | 62   | 67313               | 20.046  | ug/l   | 97       |
| 5) Bromomethane              | 2.959          | 94   | 39106               | 18.569  | ug/l   | 99       |
| 6) Chloroethane              | 3.124          | 64   | 44727               | 18.697  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.500          | 101  | 80108               | 20.132  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.965          | 74   | 27767               | 19.551  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.383          | 101  | 43767               | 19.607  | ug/l   | 78       |
| 10) 1,1-Dichloroethene       | 4.342          | 96   | 41769               | 20.248  | ug/l   | 97       |
| 11) Methyl Iodide            | 4.595          | 142  | 48118               | 20.668  | ug/l   | 99       |
| 12) Methyl Acetate           | 5.030          | 43   | 91379               | 19.465  | ug/l   | 96       |
| 13) Acrolein                 | 4.183          | 56   | 47355               | 100.558 | ug/l   | 100      |
| 14) Acrylonitrile            | 5.724          | 53   | 118045              | 96.668  | ug/l   | 100      |
| 15) Acetone                  | 4.436          | 58   | 37388               | 93.576  | ug/l   | 89       |
| 16) Carbon Disulfide         | 4.718          | 76   | 122634              | 19.623  | ug/l   | 96       |
| 17) Allyl chloride           | 5.024          | 41   | 63222               | 19.090  | ug/l   | 97       |
| 18) Methylene Chloride       | 5.283          | 84   | 51307               | 19.128  | ug/l   | 96       |
| 19) trans-1,2-Dichloroethene | 5.794          | 96   | 46870               | 19.438  | ug/l   | 99       |
| 20) Diisopropyl ether        | 6.677          | 45   | 159635              | 20.378  | ug/l   | 96       |
| 21) 1,1-Dichloroethane       | 6.571          | 63   | 92983               | 19.699  | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 7.494          | 96   | 54431               | 19.825  | ug/l   | 95       |
| 23) tert-Butyl Alcohol       | 5.524          | 59   | 37149               | 92.800  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.806          | 73   | 138682              | 19.641  | ug/l   | 99       |
| 25) Chloroform               | 7.971          | 83   | 94738               | 19.660  | ug/l   | 87       |
| 26) Cyclohexane              | 8.259          | 56   | 71470               | 19.659  | ug/l # | 98       |
| 29) 1,1-Dichloropropene      | 8.377          | 75   | 68709               | 19.347  | ug/l   | 99       |
| 30) 2-Butanone               | 7.488          | 43   | 164342              | 93.542  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.494          | 77   | 76985               | 19.634  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.177          | 97   | 81799               | 19.866  | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 8.365          | 117  | 70039               | 19.640  | ug/l   | 98       |
| 34) Benzene                  | 8.612          | 78   | 209817              | 19.500  | ug/l   | 98       |
| 35) Methacrylonitrile        | 7.783          | 41   | 32668               | 17.959  | ug/l   | 94       |
| 36) 1,2-Dichloroethane       | 8.677          | 62   | 74667               | 19.159  | ug/l   | 99       |
| 37) Trichloroethene          | 9.359          | 130  | 48415               | 19.146  | ug/l   | 98       |
| 38) Methylcyclohexane        | 9.600          | 83   | 68007               | 19.528  | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 9.624          | 63   | 55639               | 19.481  | ug/l   | 95       |
| 40) Dibromomethane           | 9.712          | 93   | 36485               | 19.299  | ug/l   | 99       |
| 41) Bromodichloromethane     | 9.888          | 83   | 74113               | 19.251  | ug/l   | 99       |
| 42) Vinyl Acetate            | 6.612          | 43   | 469294              | 98.854  | ug/l   | 99       |

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 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN092723

Manual Integrations  
 APPROVED

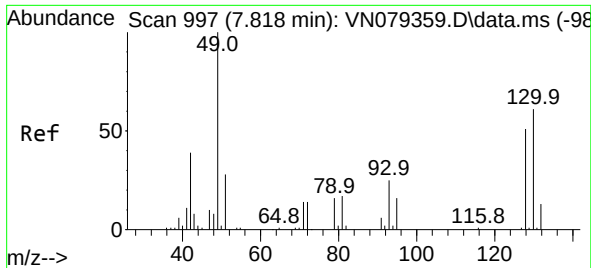
Reviewed By : John Carlone 09/28/2023  
 Supervised By : Semsettin Yesilyurt 09/28/2023

Quant Time: Sep 28 00:46:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N092723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Sep 27 23:50:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 7.559  | 43   | 70233    | 20.069  | ug/l  | 98       |
| 44) Isopropyl Acetate         | 8.694  | 43   | 109905   | 19.533  | ug/l  | 99       |
| 45) 1,4-Dioxane               | 9.700  | 88   | 17705    | 381.462 | ug/l  | 94       |
| 46) Methyl methacrylate       | 9.688  | 41   | 50899    | 19.904  | ug/l  | 94       |
| 47) n-amyl Acetate            | 12.500 | 43   | 80499    | 20.104  | ug/l  | 99       |
| 48) t-1,3-Dichloropropene     | 10.841 | 75   | 74744    | 19.115  | ug/l  | 98       |
| 49) cis-1,3-Dichloropropene   | 10.318 | 75   | 81915    | 19.523  | ug/l  | 98       |
| 50) 1,1,2-Trichloroethane     | 11.018 | 97   | 50113    | 19.431  | ug/l  | 95       |
| 51) Ethyl methacrylate        | 10.876 | 69   | 67686    | 19.307  | ug/l  | 98       |
| 52) 1,3-Dichloropropane       | 11.165 | 76   | 87155    | 18.945  | ug/l  | 98       |
| 53) Dibromochloromethane      | 11.365 | 129  | 51848    | 19.862  | ug/l  | 99       |
| 54) 1,2-Dibromoethane         | 11.471 | 107  | 47216    | 18.772  | ug/l  | 96       |
| 55) 2-Chloroethyl vinyl ether | 10.165 | 63   | 141993   | 104.185 | ug/l  | 99       |
| 56) Bromoform                 | 12.582 | 173  | 33017    | 19.853  | ug/l  | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.447 | 43   | 334873   | 97.934  | ug/l  | 100      |
| 59) 2-Hexanone                | 11.200 | 43   | 237906   | 97.250  | ug/l  | 99       |
| 61) Tetrachloroethene         | 11.106 | 164  | 41115    | 19.298  | ug/l  | 95       |
| 62) Toluene                   | 10.635 | 91   | 222453   | 19.435  | ug/l  | 98       |
| 64) Chlorobenzene             | 11.894 | 112  | 128658   | 19.585  | ug/l  | 92       |
| 65) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 48551    | 19.758  | ug/l  | 94       |
| 66) Ethyl Benzene             | 11.970 | 91   | 230040   | 19.871  | ug/l  | 97       |
| 67) m/p-Xylenes               | 12.076 | 106  | 175141   | 40.917  | ug/l  | 96       |
| 68) o-Xylene                  | 12.400 | 106  | 81197    | 19.712  | ug/l  | 97       |
| 69) Styrene                   | 12.418 | 104  | 133264   | 20.538  | ug/l  | 98       |
| 70) Isopropylbenzene          | 12.700 | 105  | 212802   | 20.307  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 70752    | 18.844  | ug/l  | 99       |
| 72) 1,2,3-Trichloropropane    | 13.000 | 75   | 55242m   | 16.485  | ug/l  |          |
| 73) Bromobenzene              | 12.982 | 156  | 47982    | 19.556  | ug/l  | 97       |
| 74) n-propylbenzene           | 13.041 | 91   | 253237   | 20.413  | ug/l  | 100      |
| 75) 2-Chlorotoluene           | 13.129 | 91   | 153277   | 20.235  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 177850   | 20.421  | ug/l  | 98       |
| 77) t-1,4-Dichloro-2-butene   | 12.741 | 75   | 20723    | 20.826  | ug/l  | 92       |
| 78) 4-Chlorotoluene           | 13.223 | 91   | 144378   | 20.512  | ug/l  | 98       |
| 79) tert-butylbenzene         | 13.441 | 119  | 142272   | 19.718  | ug/l  | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 172458m  | 20.242  | ug/l  |          |
| 81) sec-Butylbenzene          | 13.617 | 105  | 205995   | 19.899  | ug/l  | 100      |
| 82) p-Isopropyltoluene        | 13.735 | 119  | 159461   | 19.430  | ug/l  | 100      |
| 83) 1,3-Dichlorobenzene       | 13.735 | 146  | 83839    | 20.206  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 13.817 | 146  | 86202    | 22.166  | ug/l  | 97       |
| 85) n-Butylbenzene            | 14.059 | 91   | 137056   | 21.782  | ug/l  | 99       |
| 86) Hexachloroethane          | 14.335 | 117  | 35720    | 21.008  | ug/l  | 97       |
| 87) 1,2-Dichlorobenzene       | 14.112 | 146  | 89671    | 21.881  | ug/l  | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 13268    | 22.906  | ug/l  | 95       |
| 89) 1,2,4-Trichlorobenzene    | 15.841 | 180  | 27389    | 18.101  | ug/l  | 94       |
| 90) Hexachlorobutadiene       | 15.506 | 225  | 19139    | 17.546  | ug/l  | 97       |
| 91) Naphthalene               | 15.647 | 128  | 59554    | 17.355  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 27389    | 18.100  | ug/l  | 94       |

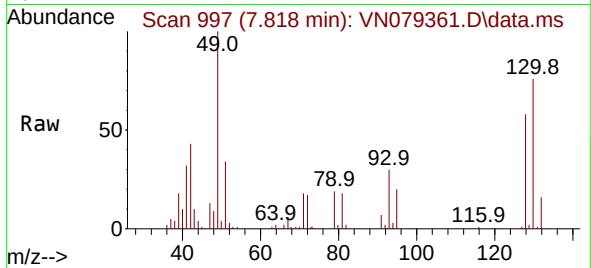
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

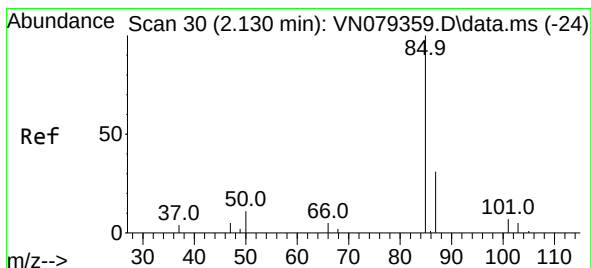
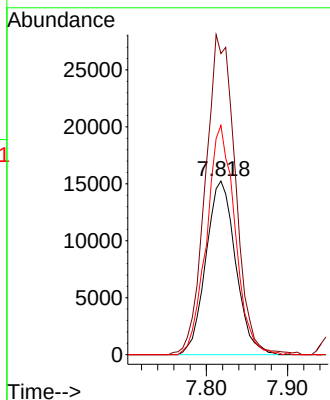
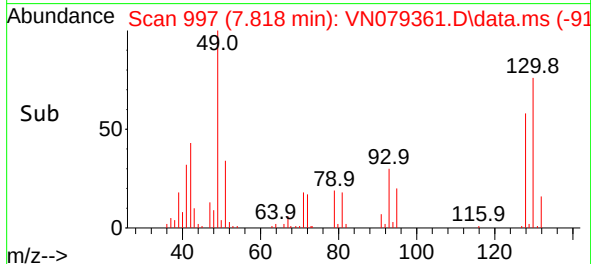
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICNVN092723



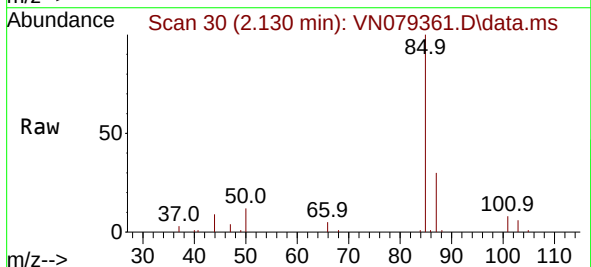
Tgt Ion:128 Resp: 3872  
Ion Ratio Lower Upper  
128 100  
49 184.6 0.0 468.5  
130 126.5 0.0 320.7

Manual Integrations  
APPROVED

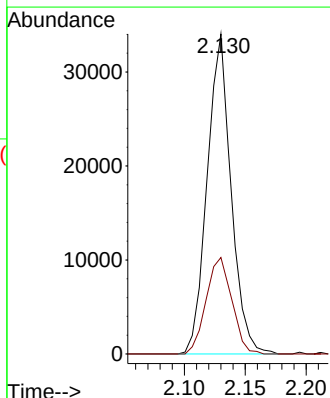
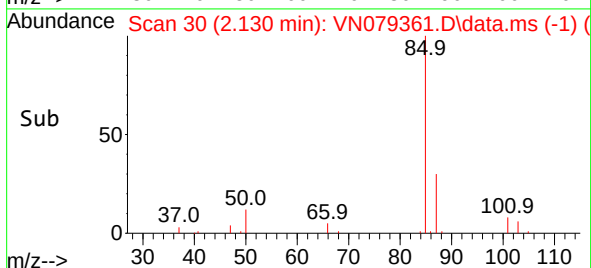
Reviewed By :John Carlone 09/28/2023  
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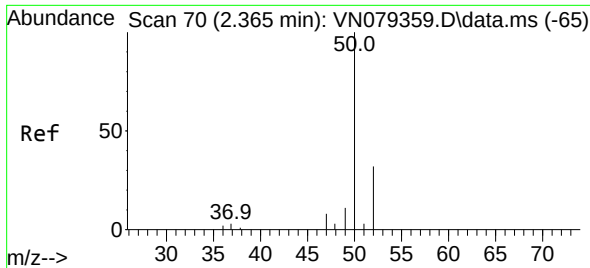


#2  
Dichlorodifluoromethane  
Concen: 19.404 ug/l  
RT: 2.130 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30



Tgt Ion: 85 Resp: 46369  
Ion Ratio Lower Upper  
85 100  
87 30.1 15.6 46.7





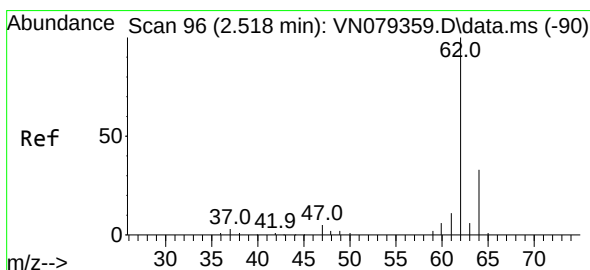
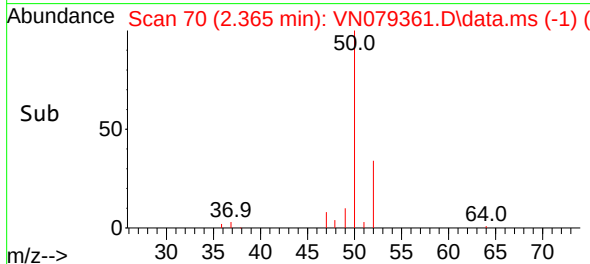
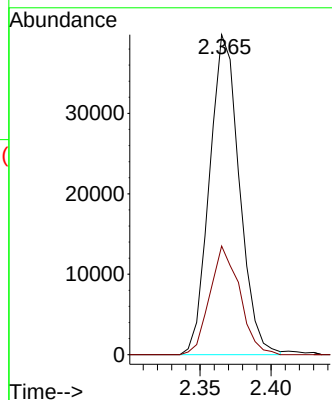
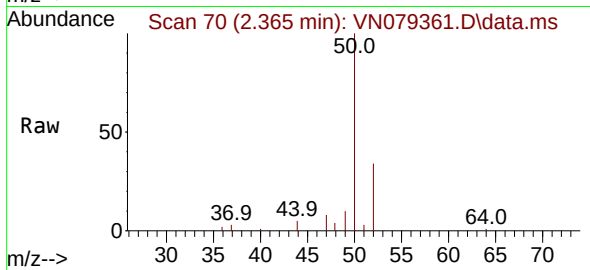
#3  
Chloromethane  
Concen: 19.012 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion: 50 Resp: 58259  
Ion Ratio Lower Upper  
50 100  
52 33.9 25.6 38.4

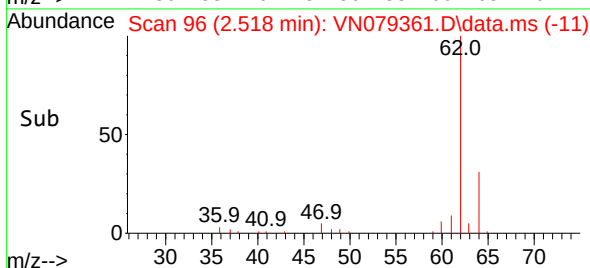
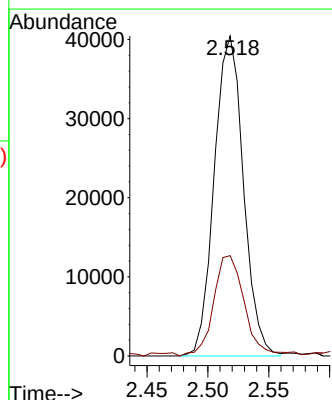
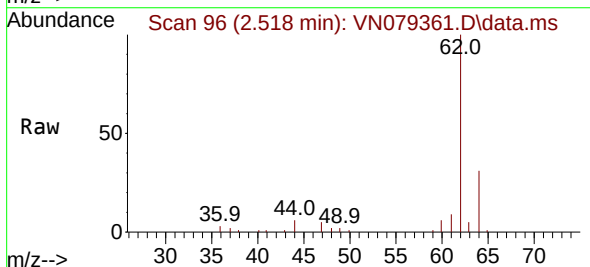
Manual Integrations  
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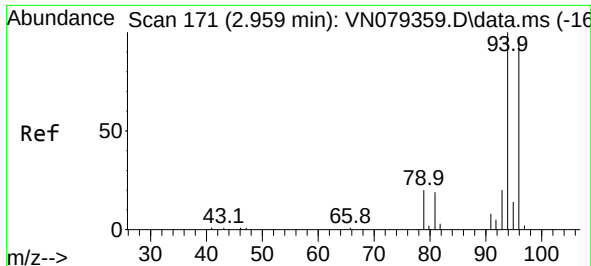
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#4  
Vinyl Chloride  
Concen: 20.046 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

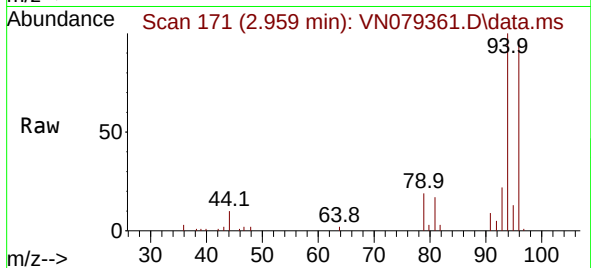
Tgt Ion: 62 Resp: 67313  
Ion Ratio Lower Upper  
62 100  
64 31.4 26.4 39.6





#5  
Bromomethane  
Concen: 18.569 ug/l  
RT: 2.959 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

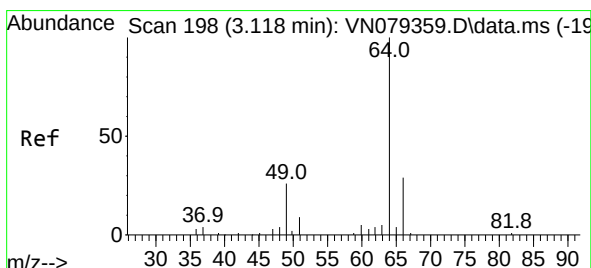
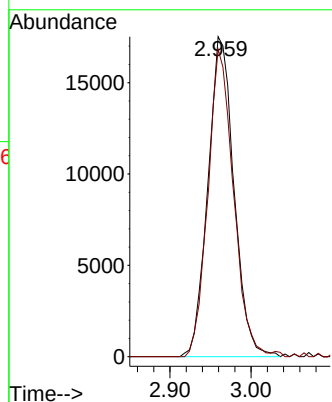
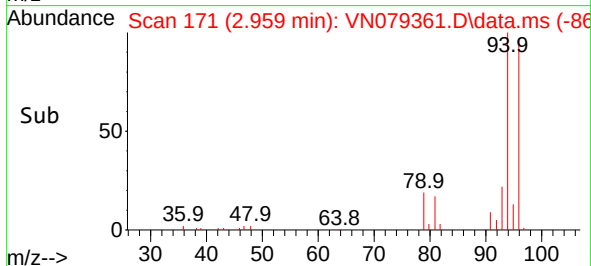
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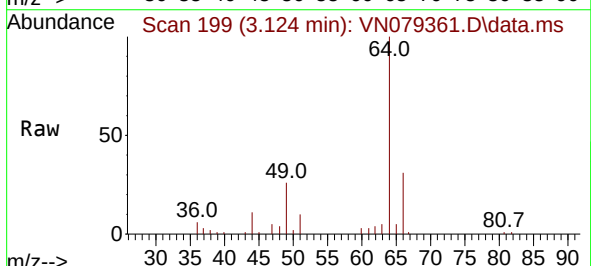
Tgt Ion: 94 Resp: 39100  
Ion Ratio Lower Upper  
94 100  
96 96.0 77.8 116.6

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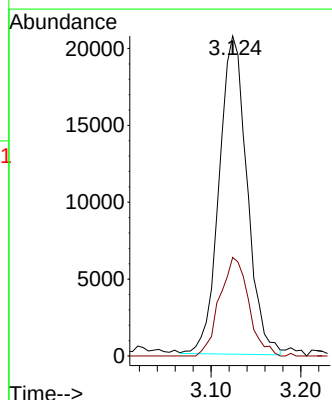
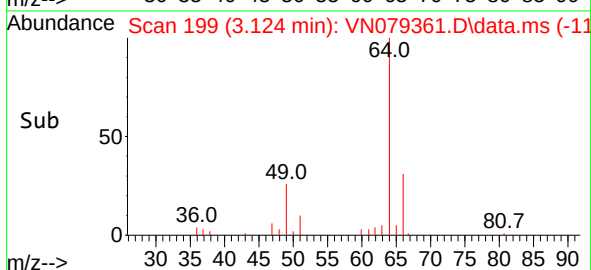
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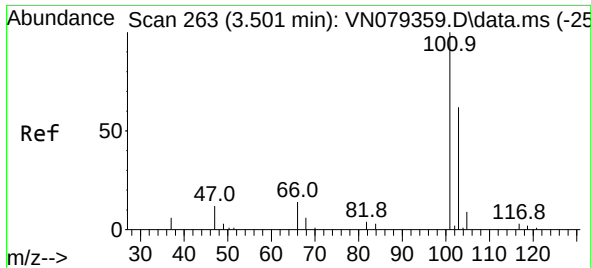


#6  
Chloroethane  
Concen: 18.697 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30



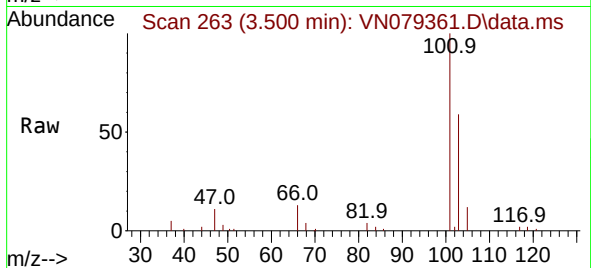
Tgt Ion: 64 Resp: 44727  
Ion Ratio Lower Upper  
64 100  
66 31.1 23.3 34.9





#7  
Trichlorofluoromethane  
Concen: 20.132 ug/l  
RT: 3.500 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

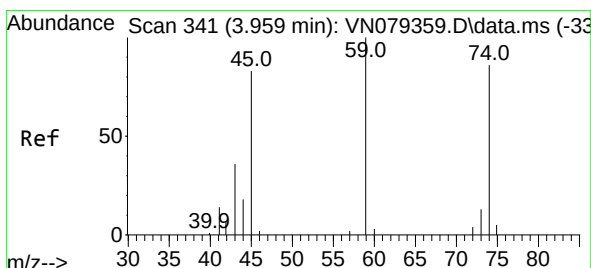
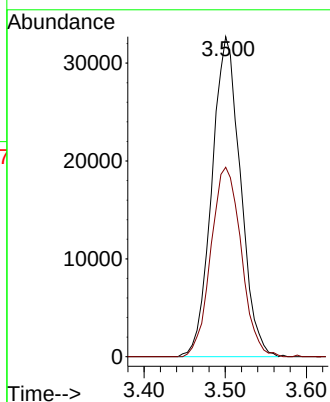
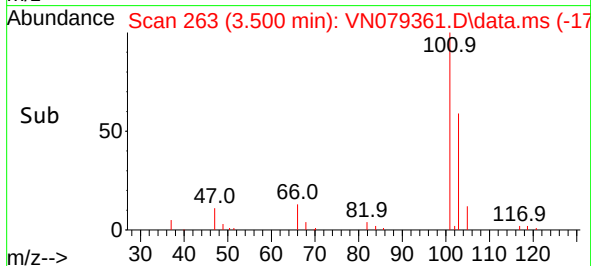
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



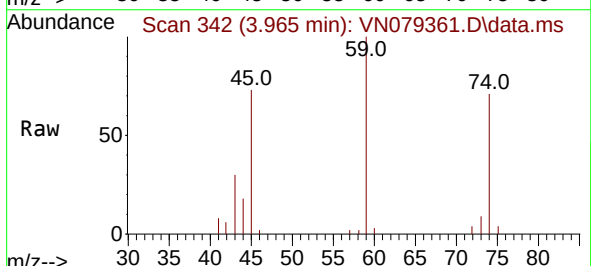
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Ion Ratio Lower Upper  
101 100  
103 59.2 49.9 74.9

Manual Integrations  
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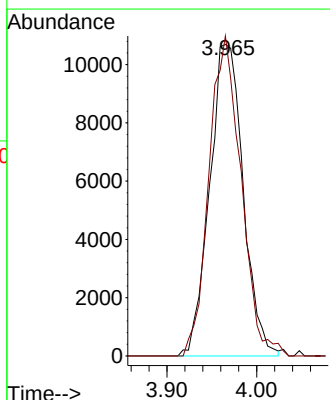
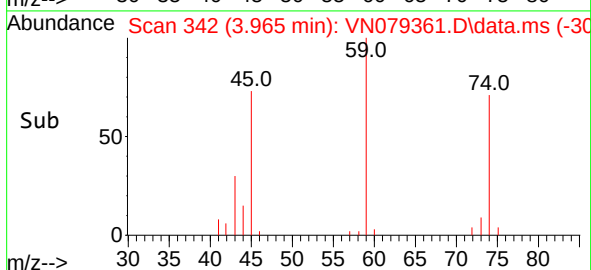
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

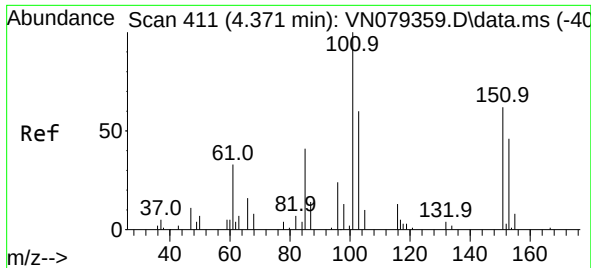


#8  
Diethyl Ether  
Concen: 19.551 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30



Tgt Ion: 74 Resp: 27767  
Ion Ratio Lower Upper  
74 100  
45 98.3 19.0 171.0





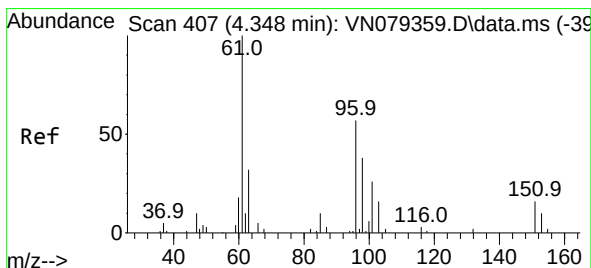
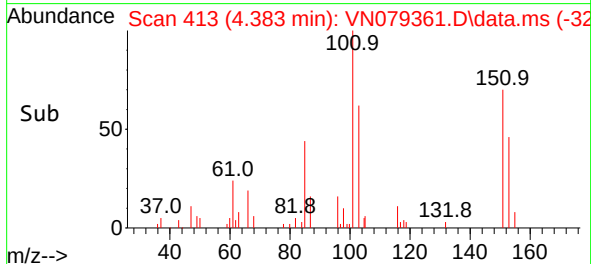
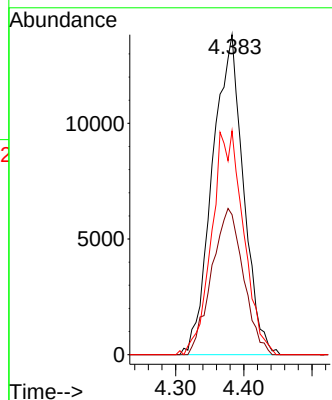
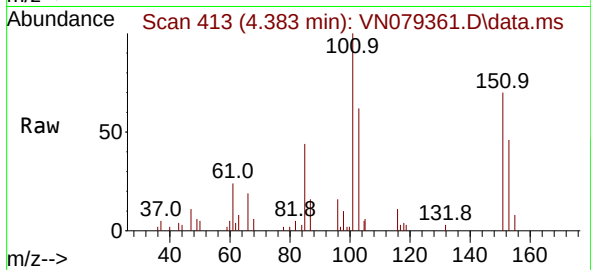
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.607 ug/l  
RT: 4.383 min Scan# 411  
Delta R.T. 0.012 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723

Tgt Ion:101 Resp: 4376  
Ion Ratio Lower Upper  
101 100  
85 46.7 0.0 92.0  
151 39.3 0.0 138.4

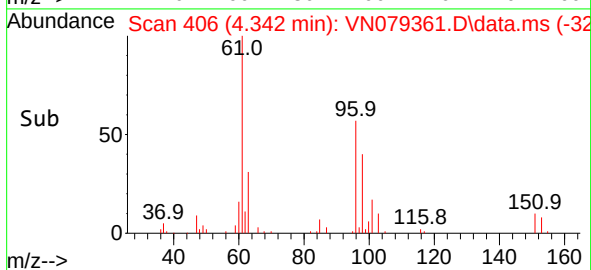
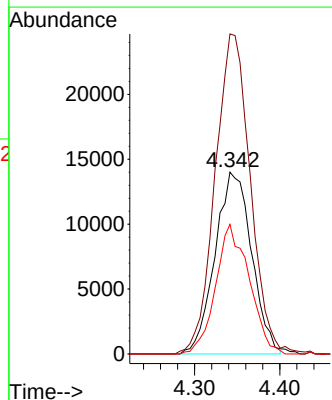
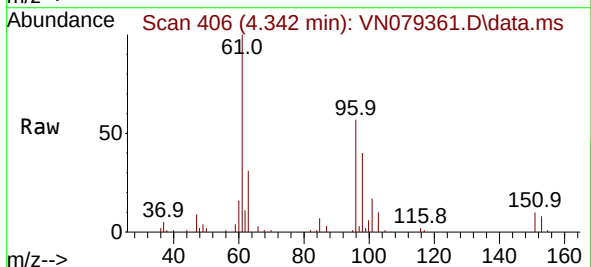
Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

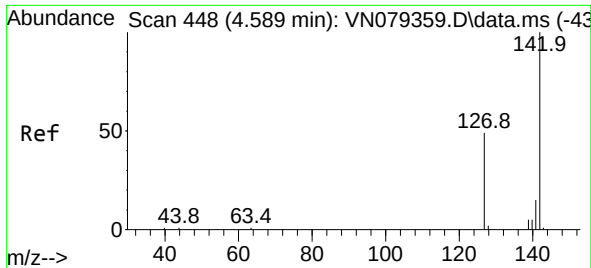


#10  
1,1-Dichloroethene  
Concen: 20.248 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Tgt Ion: 96 Resp: 41769  
Ion Ratio Lower Upper  
96 100  
61 174.5 141.3 211.9  
98 71.2 53.2 79.8

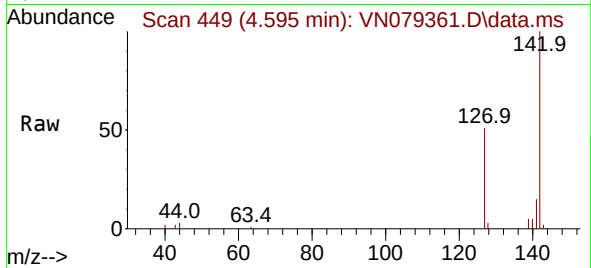






#11  
Methyl Iodide  
Concen: 20.668 ug/l  
RT: 4.595 min Scan# 448  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

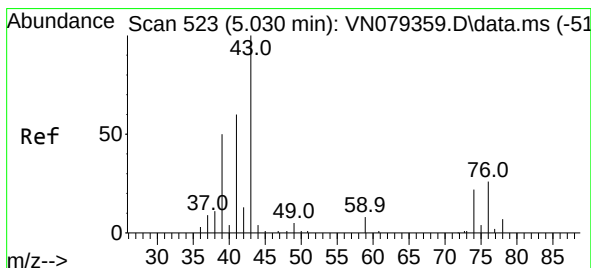
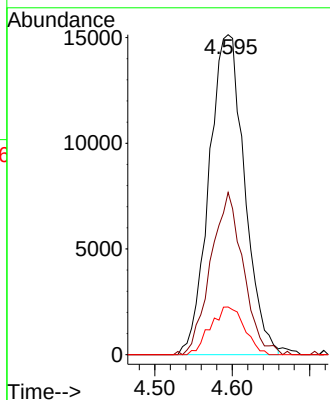
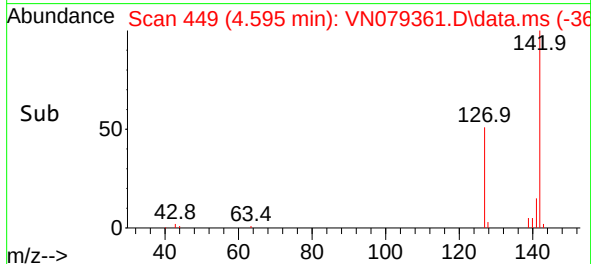
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion:142 Resp: 48118  
Ion Ratio Lower Upper  
142 100  
127 50.0 24.6 73.8  
141 15.0 7.7 23.1

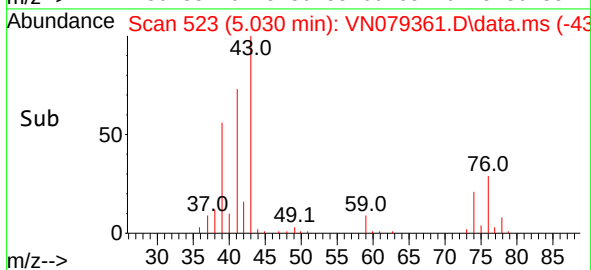
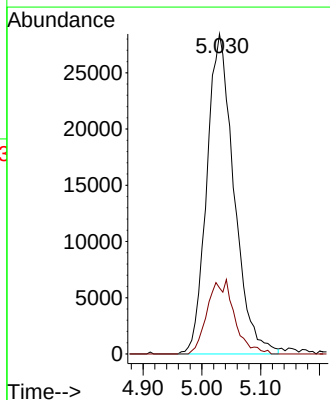
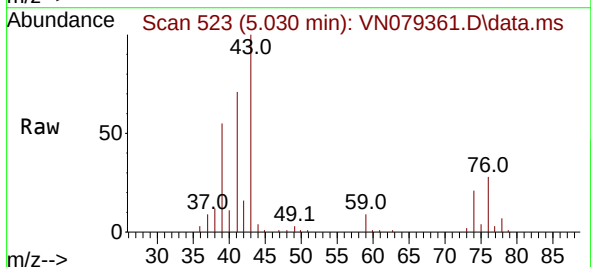
Manual Integrations  
APPROVED

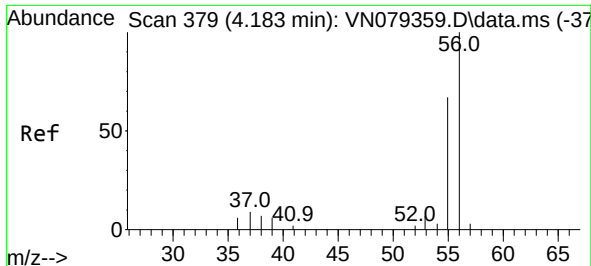
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#12  
Methyl Acetate  
Concen: 19.465 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

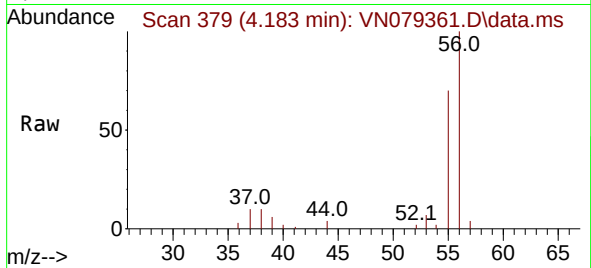
Tgt Ion: 43 Resp: 91379  
Ion Ratio Lower Upper  
43 100  
74 20.8 18.1 27.1





#13  
Acrolein  
Concen: 100.558 ug/l  
RT: 4.183 min Scan# 379  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

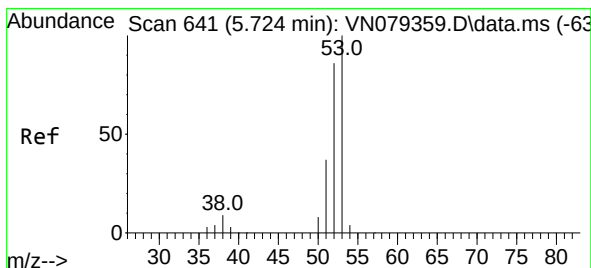
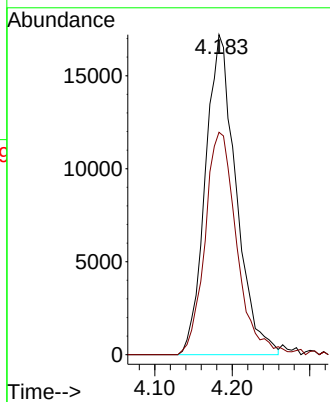
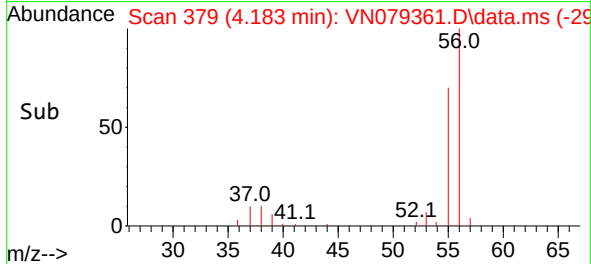
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion: 56 Resp: 4735  
Ion Ratio Lower Upper  
56 100  
55 71.0 57.1 85.7

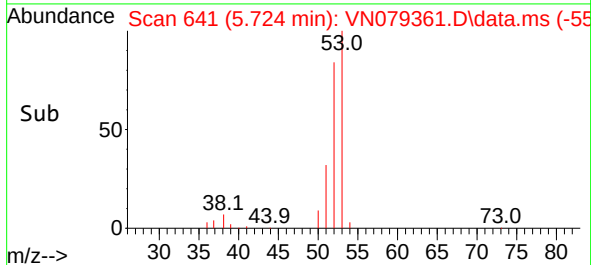
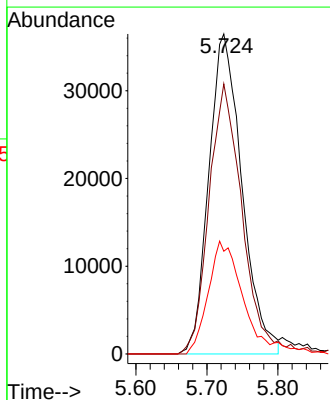
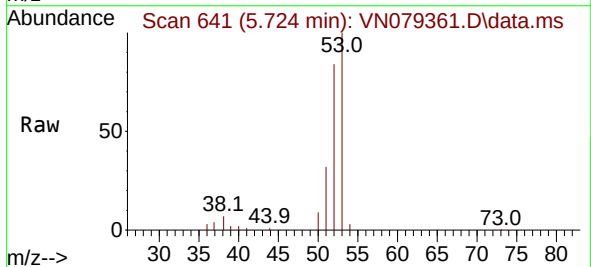
Manual Integrations  
APPROVED

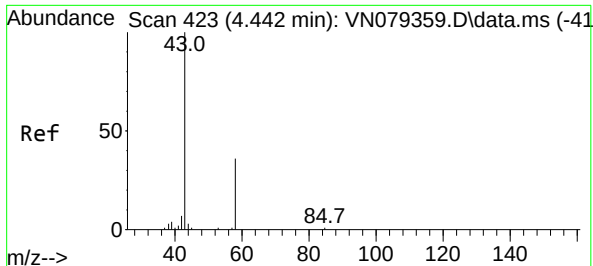
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#14  
Acrylonitrile  
Concen: 96.668 ug/l  
RT: 5.724 min Scan# 641  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

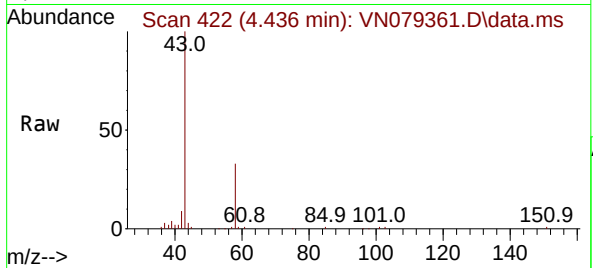
Tgt Ion: 53 Resp: 118045  
Ion Ratio Lower Upper  
53 100  
52 83.8 41.6 124.9  
51 35.5 17.8 53.3





#15  
Acetone  
Concen: 93.576 ug/l  
RT: 4.436 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

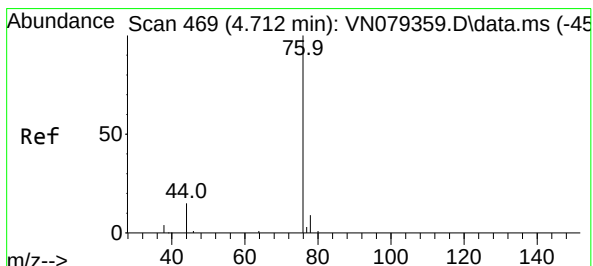
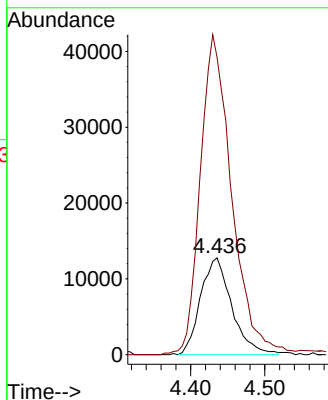
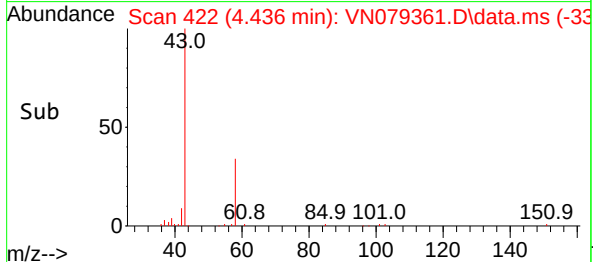
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



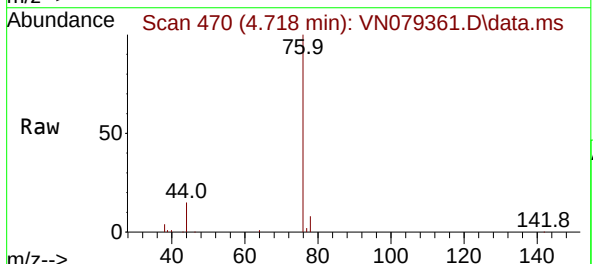
Tgt Ion: 58 Resp: 3738  
Ion Ratio Lower Upper  
58 100  
43 303.1 225.2 337.8

Manual Integrations  
APPROVED

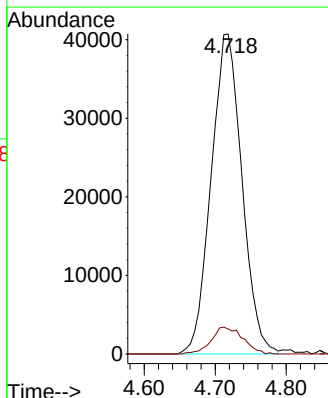
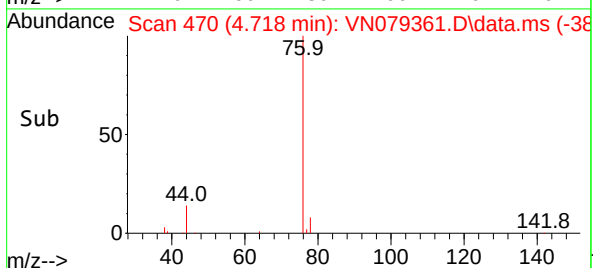
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

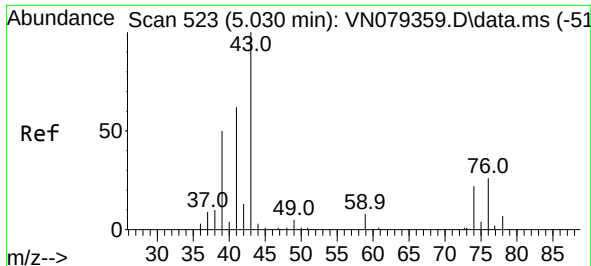


#16  
Carbon Disulfide  
Concen: 19.623 ug/l  
RT: 4.718 min Scan# 470  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30



Tgt Ion: 76 Resp: 122634  
Ion Ratio Lower Upper  
76 100  
78 7.8 7.5 11.3





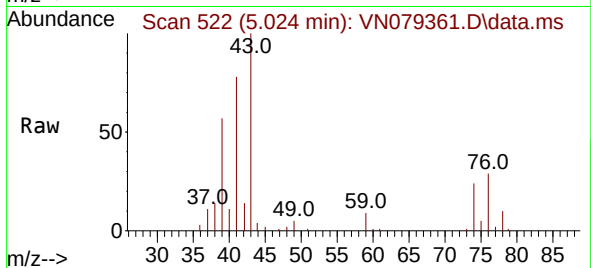
#17  
 Allyl chloride  
 Concen: 19.090 ug/l  
 RT: 5.024 min Scan# 51  
 Delta R.T. -0.006 min  
 Lab File: VN079361.D  
 Acq: 27 Sep 2023 12:30

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN092723



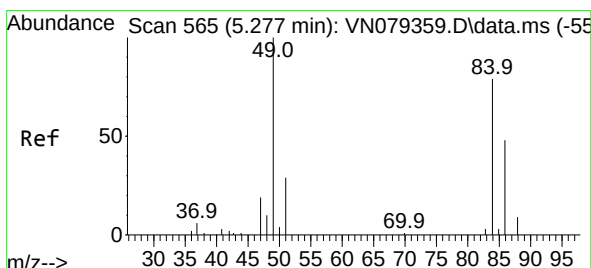
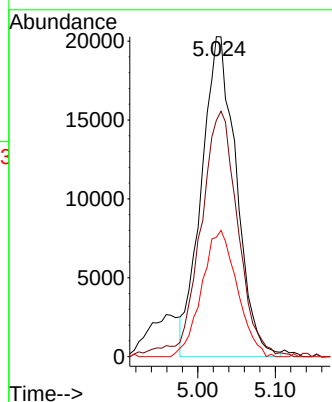
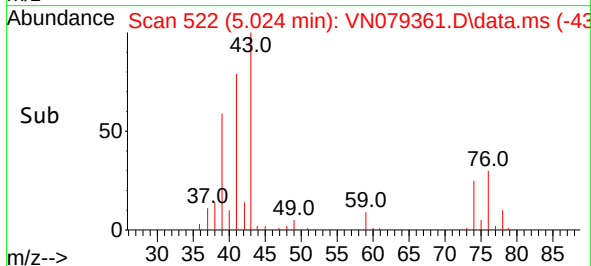
Tgt Ion: 41 Resp: 6322  
 Ion Ratio Lower Upper  
 41 100  
 39 73.7 38.4 115.2  
 76 37.8 19.5 58.5

Manual Integrations

APPROVED

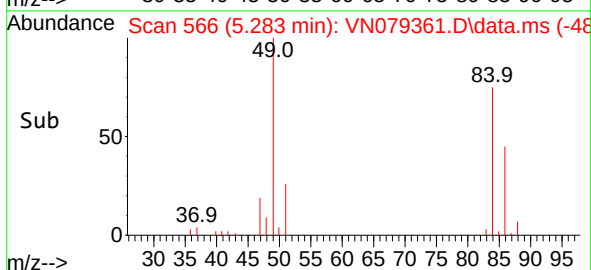
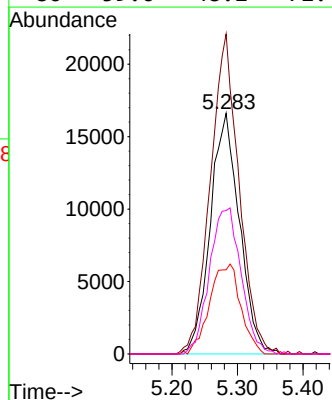
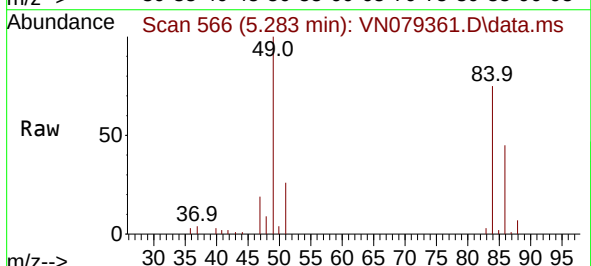
Reviewed By :John Carlone 09/28/2023

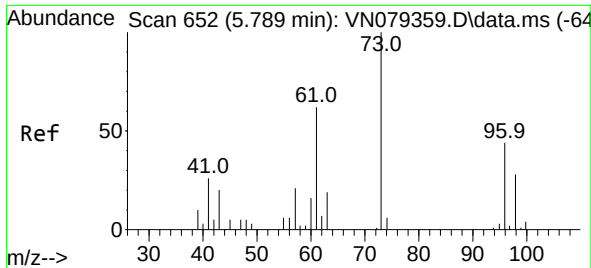
Supervised By :Semsettin Yesilyurt 09/28/2023



#18  
 Methylene Chloride  
 Concen: 19.128 ug/l  
 RT: 5.283 min Scan# 566  
 Delta R.T. 0.006 min  
 Lab File: VN079361.D  
 Acq: 27 Sep 2023 12:30

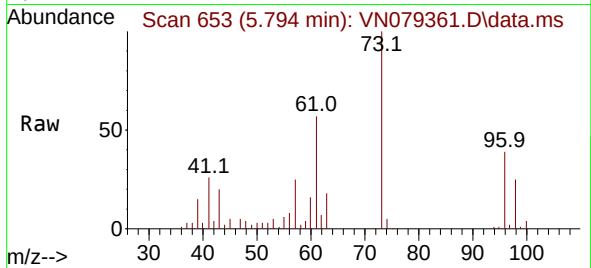
Tgt Ion: 84 Resp: 51307  
 Ion Ratio Lower Upper  
 84 100  
 49 133.0 100.9 151.3  
 51 35.0 29.4 44.2  
 86 59.6 48.2 72.4





#19  
trans-1,2-Dichloroethene  
Concen: 19.438 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

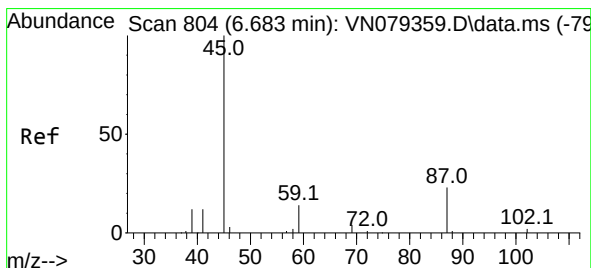
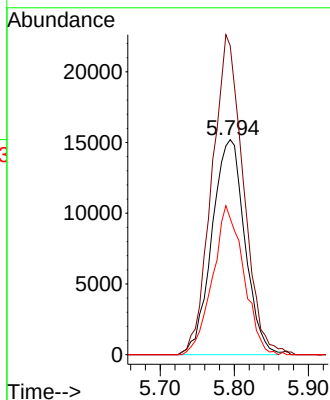
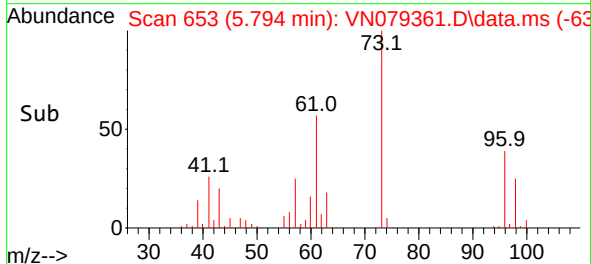
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



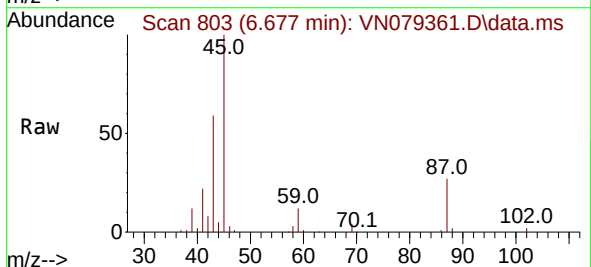
Tgt Ion: 96 Resp: 46870  
Ion Ratio Lower Upper  
96 100  
61 143.7 113.4 170.0  
98 63.4 50.4 75.6

Manual Integrations  
APPROVED

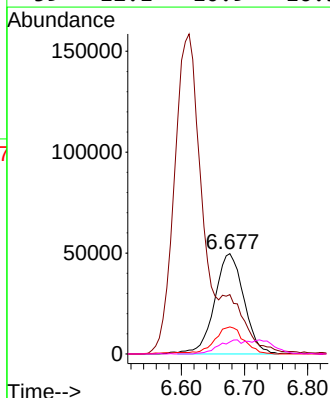
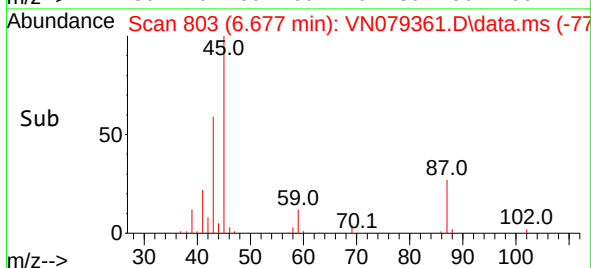
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

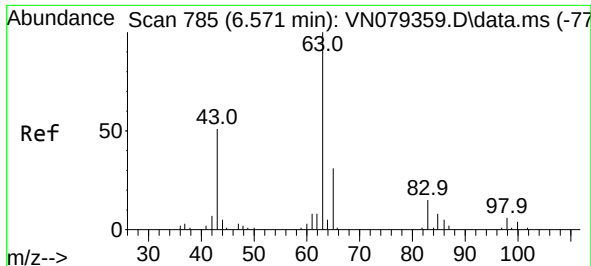


#20  
Diisopropyl ether  
Concen: 20.378 ug/l  
RT: 6.677 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30



Tgt Ion: 45 Resp: 159635  
Ion Ratio Lower Upper  
45 100  
43 56.0 42.1 63.1  
87 27.1 20.5 30.7  
59 12.1 10.9 16.3





#21

1,1-Dichloroethane

Concen: 19.699 ug/l

RT: 6.571 min Scan# 71

Delta R.T. -0.000 min

Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN092723

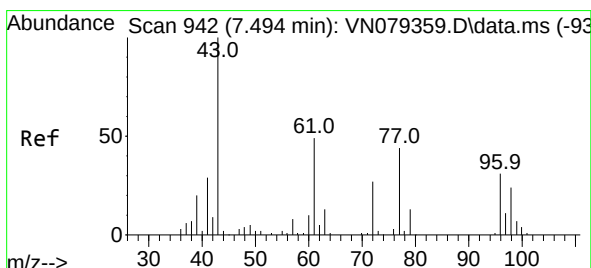
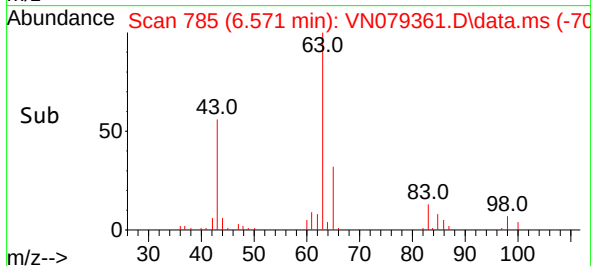
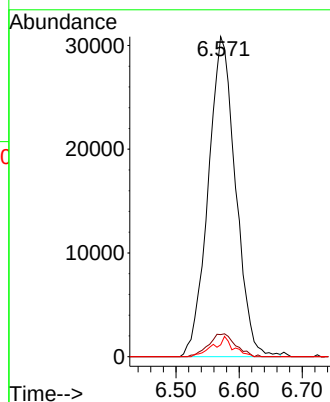
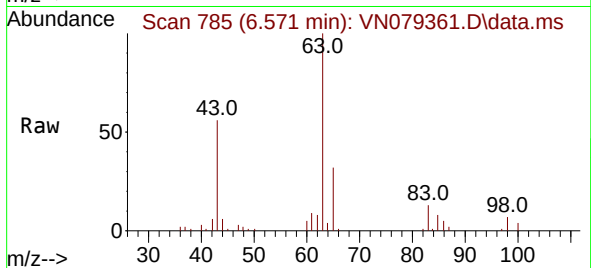
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 9298 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 98        | 6.9   | 2.8   | 8.4  |
| 100       | 3.7   | 1.9   | 5.7  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#22

cis-1,2-Dichloroethene

Concen: 19.825 ug/l

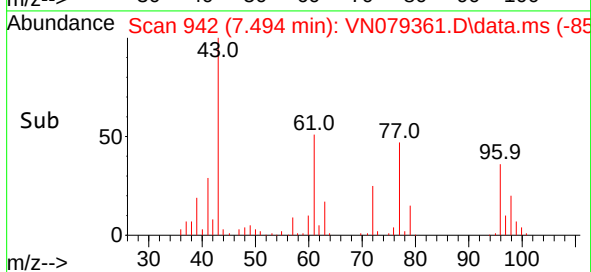
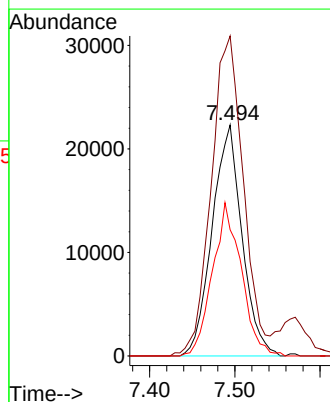
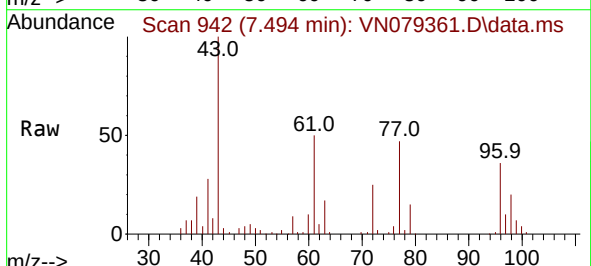
RT: 7.494 min Scan# 942

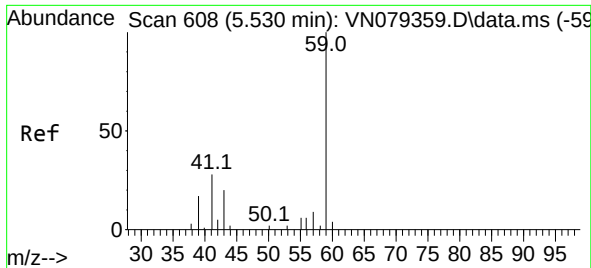
Delta R.T. -0.000 min

Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 54431 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 149.4 | 124.6 | 186.8 |
| 98        | 63.7  | 54.2  | 81.4  |





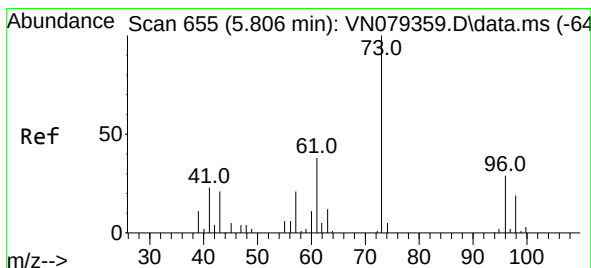
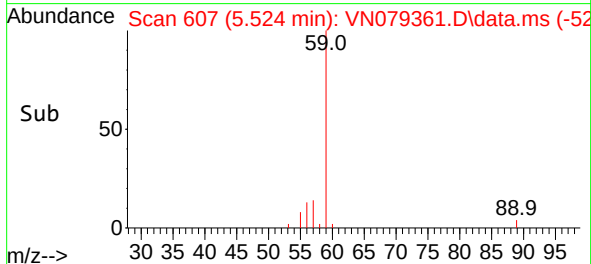
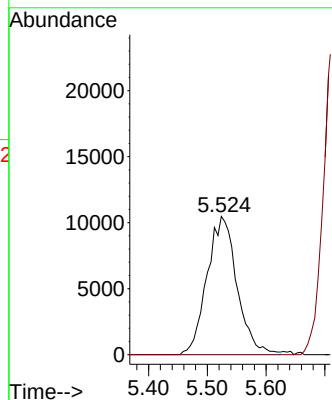
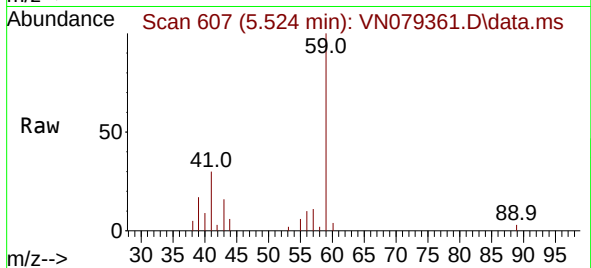
#23  
tert-Butyl Alcohol  
Concen: 92.800 ug/l  
RT: 5.524 min Scan# 608  
Delta R.T. -0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723

Tgt Ion: 59 Resp: 37149  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

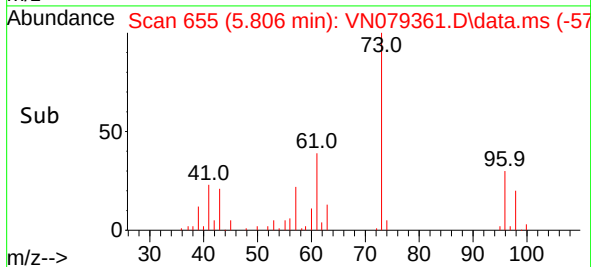
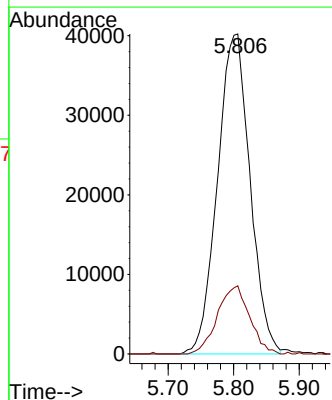
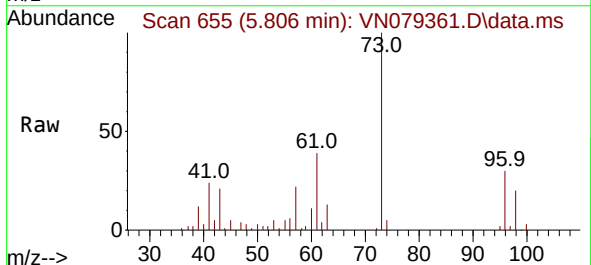
Manual Integrations  
APPROVED

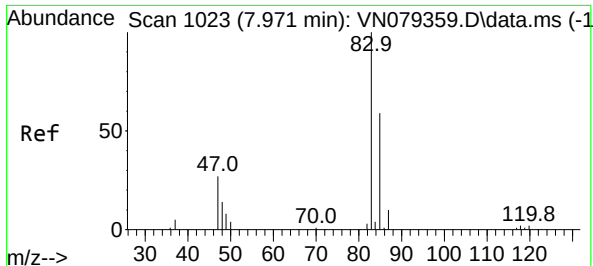
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#24  
Methyl tert-Butyl Ether  
Concen: 19.641 ug/l  
RT: 5.806 min Scan# 655  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Tgt Ion: 73 Resp: 138682  
Ion Ratio Lower Upper  
73 100  
43 21.0 16.6 24.8





#25

Chloroform

Concen: 19.660 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN092723

Tgt Ion: 83 Resp: 94738

Ion Ratio Lower Upper

83 100

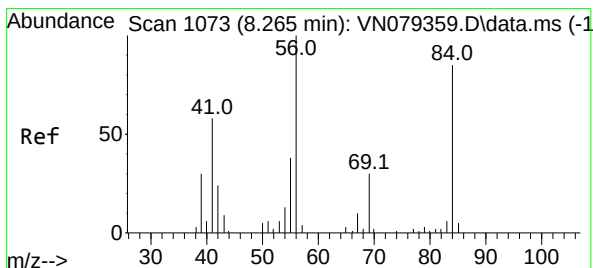
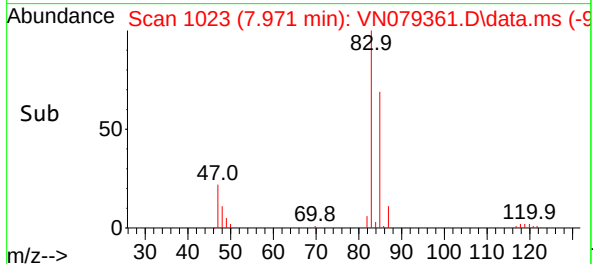
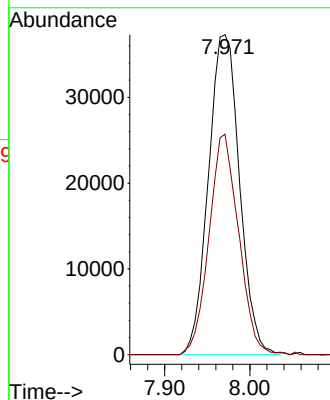
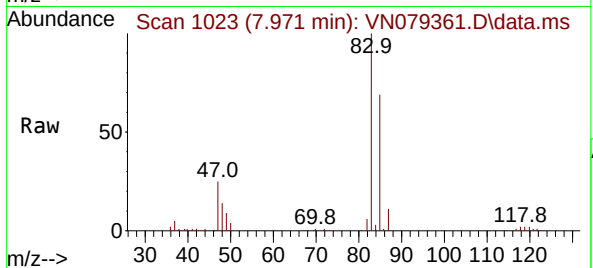
85 68.9 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#26

Cyclohexane

Concen: 19.659 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. -0.006 min

Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

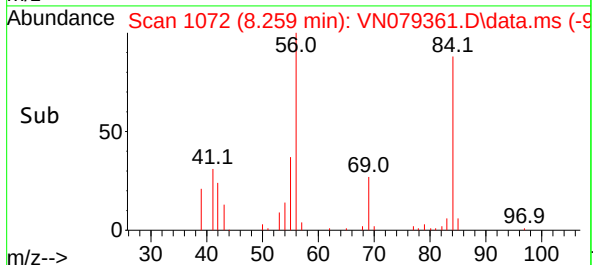
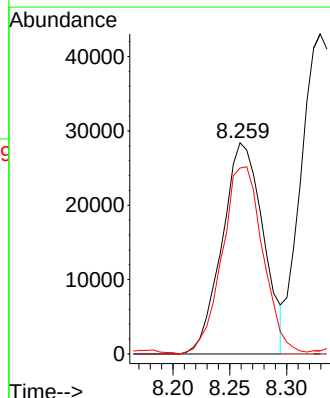
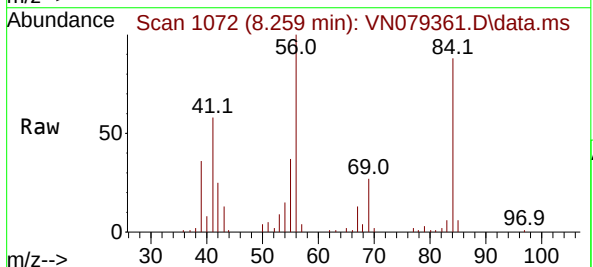
Tgt Ion: 56 Resp: 71470

Ion Ratio Lower Upper

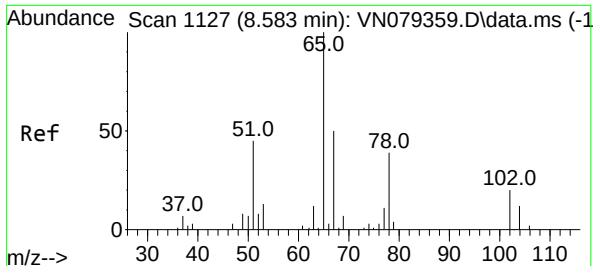
56 100

89 0.0 0.0 0.0

84 88.0 69.0 103.4







#27

1,2-Dichloroethane-d4

Concen: 30.383 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN092723

Tgt Ion: 65 Resp: 9651

Ion Ratio Lower Upper

65 100

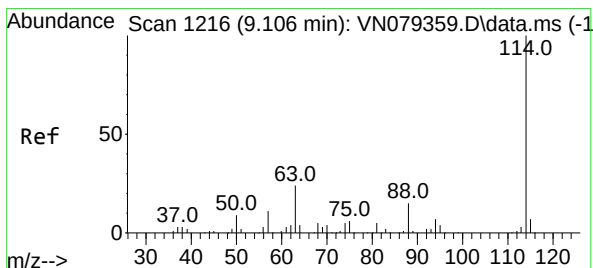
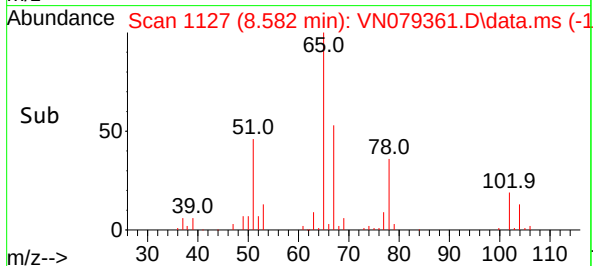
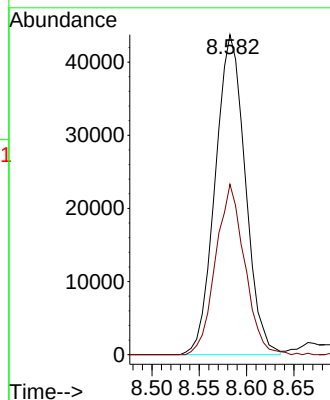
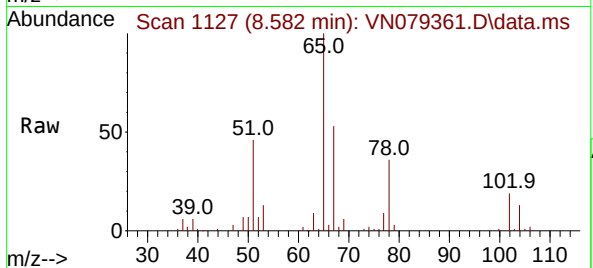
67 51.4 42.1 63.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

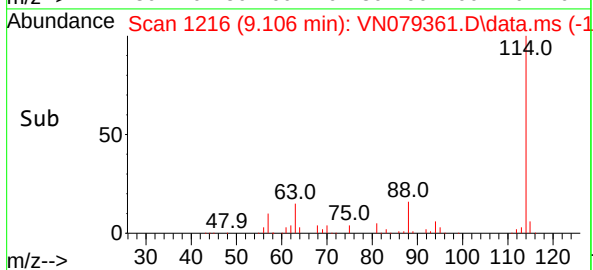
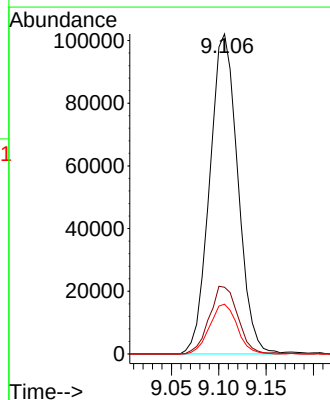
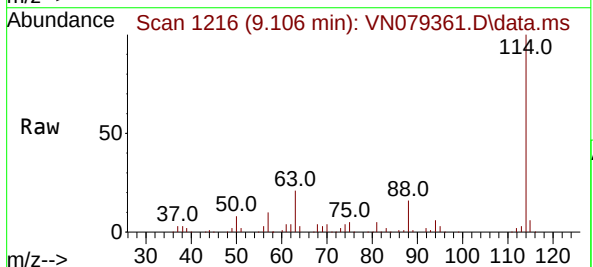
Tgt Ion:114 Resp: 210796

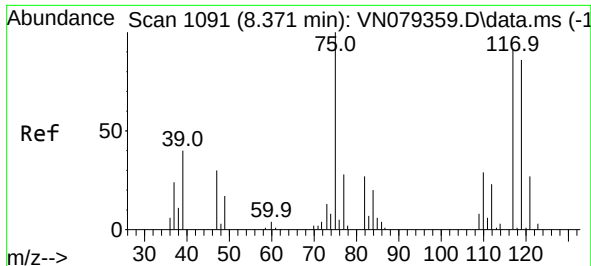
Ion Ratio Lower Upper

114 100

63 21.3 18.1 27.1

88 15.2 12.2 18.2





#29

1,1-Dichloropropene

Concen: 19.347 ug/l

RT: 8.377 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN092723

Tgt Ion: 75 Resp: 68709

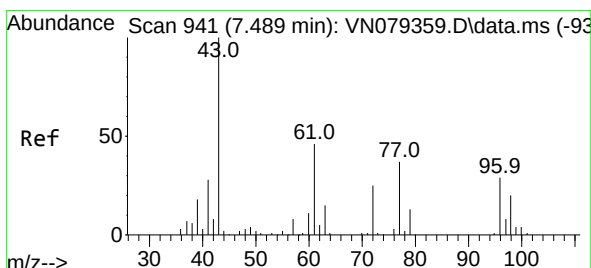
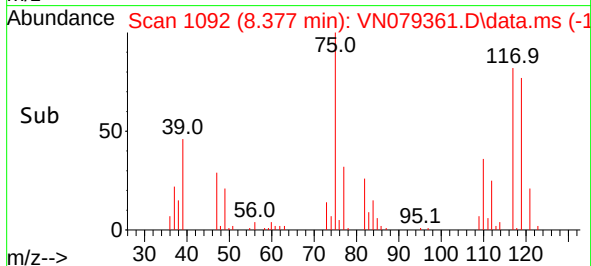
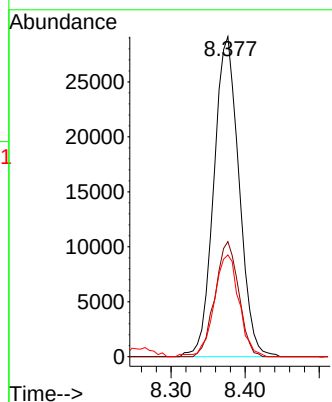
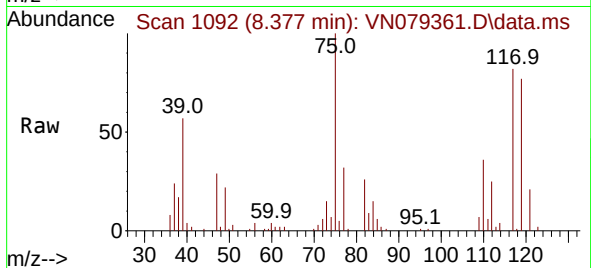
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 33.7  | 0.0   | 66.8  |
| 77  | 31.0  | 0.0   | 61.2  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#30

2-Butanone

Concen: 93.542 ug/l

RT: 7.488 min Scan# 941

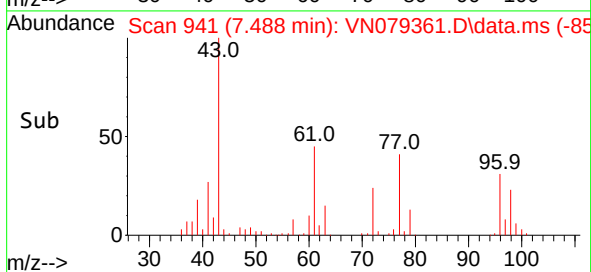
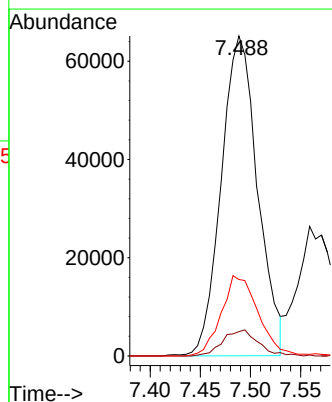
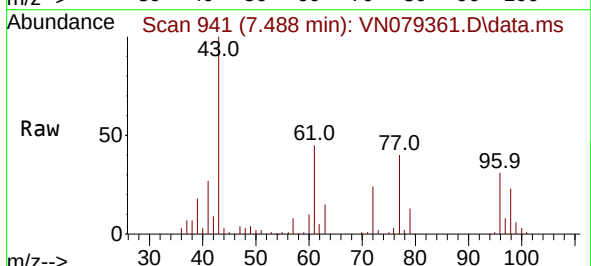
Delta R.T. -0.000 min

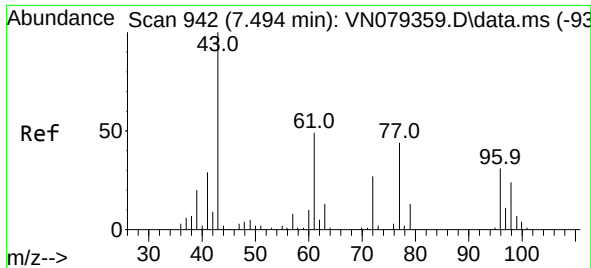
Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

Tgt Ion: 43 Resp: 164342

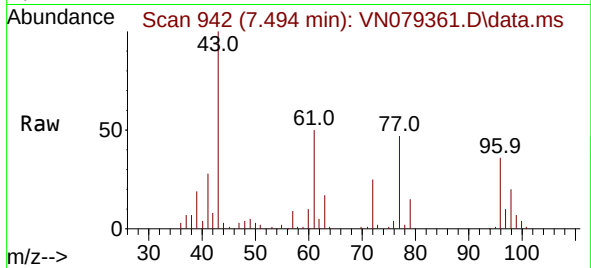
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 57  | 7.8   | 6.4   | 9.6   |
| 72  | 25.6  | 20.7  | 31.1  |





#31  
2,2-Dichloropropane  
Concen: 19.634 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

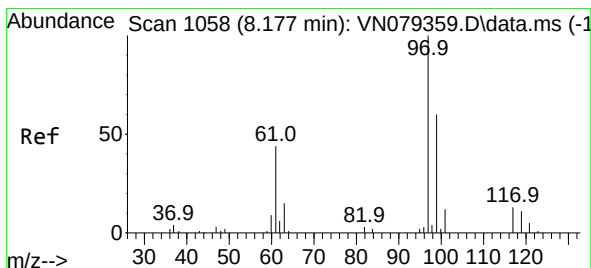
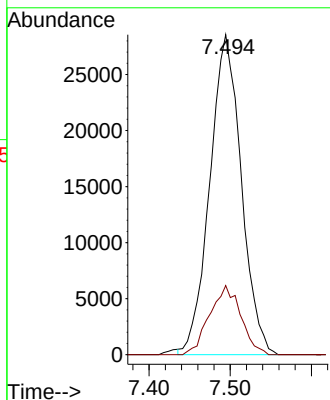
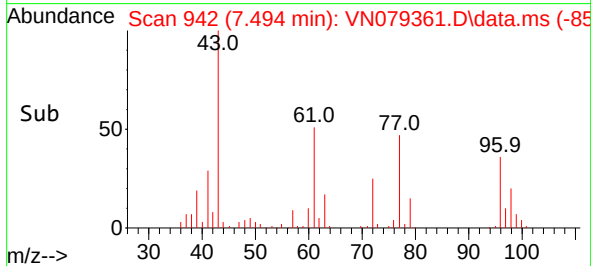
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



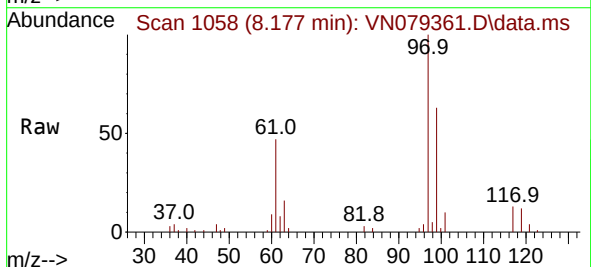
Tgt Ion: 77 Resp: 7698  
Ion Ratio Lower Upper  
77 100  
97 21.4 17.9 26.9

Manual Integrations  
APPROVED

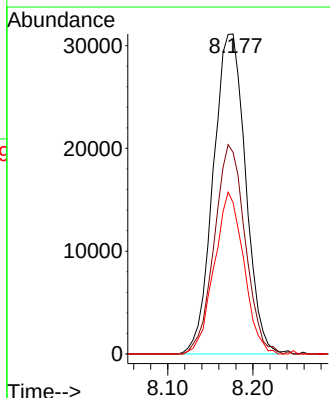
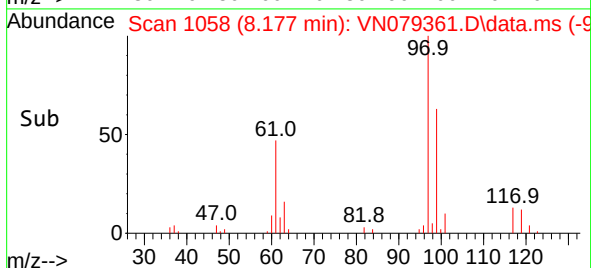
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

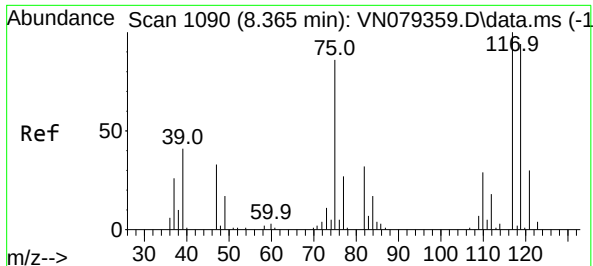


#32  
1,1,1-Trichloroethane  
Concen: 19.866 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30



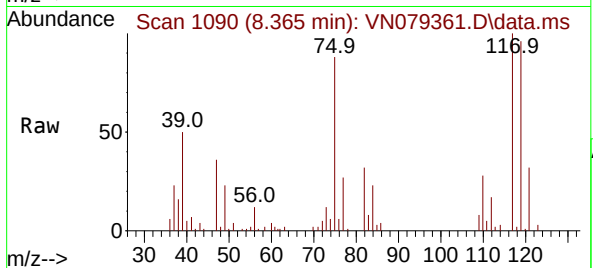
Tgt Ion: 97 Resp: 81799  
Ion Ratio Lower Upper  
97 100  
99 62.6 51.9 77.9  
61 46.5 37.6 56.4





#33  
Carbon Tetrachloride  
Concen: 19.640 ug/l  
RT: 8.365 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

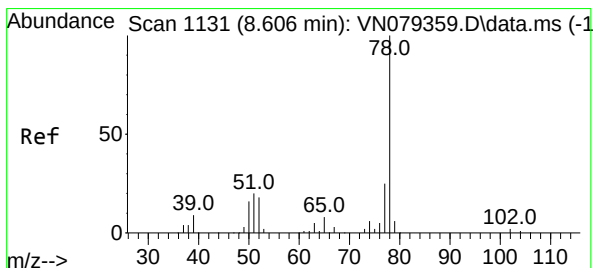
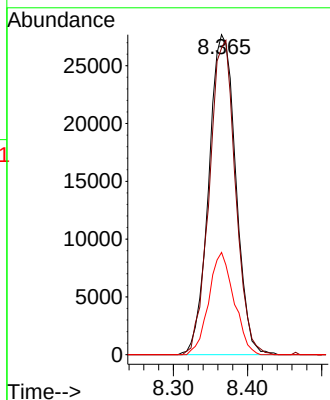
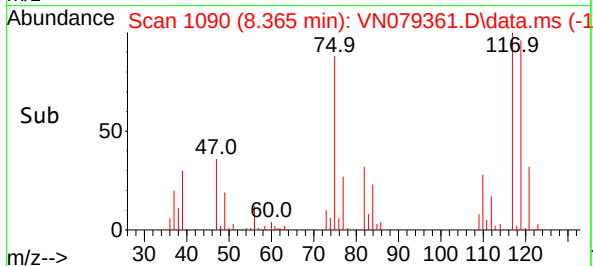
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion:117 Resp: 70039  
Ion Ratio Lower Upper  
117 100  
119 95.9 75.0 112.6  
121 32.0 24.3 36.5

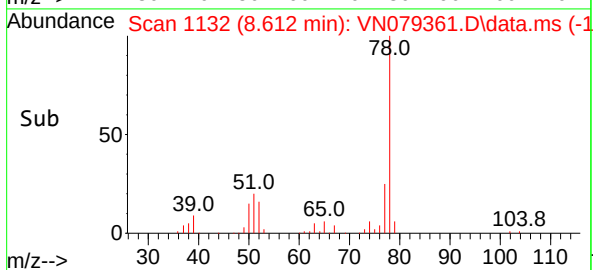
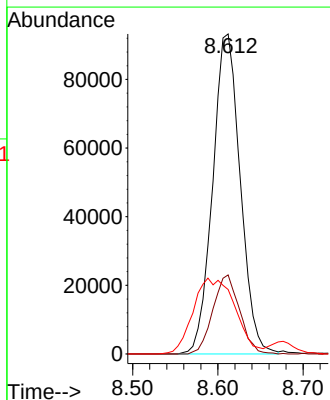
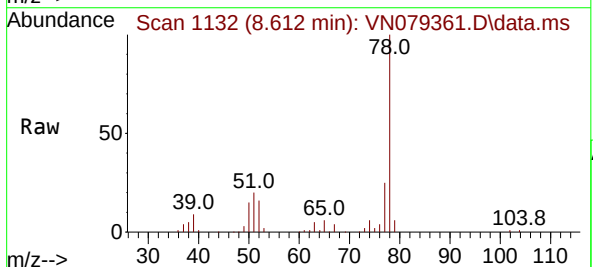
Manual Integrations  
APPROVED

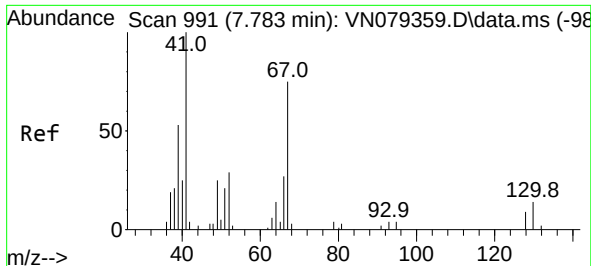
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#34  
Benzene  
Concen: 19.500 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

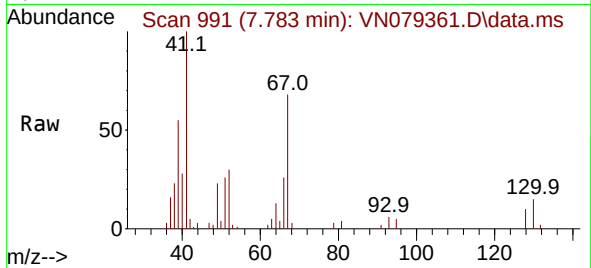
Tgt Ion: 78 Resp: 209817  
Ion Ratio Lower Upper  
78 100  
77 24.7 19.7 29.5  
51 17.7 15.8 23.6





#35  
Methacrylonitrile  
Concen: 17.959 ug/l  
RT: 7.783 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

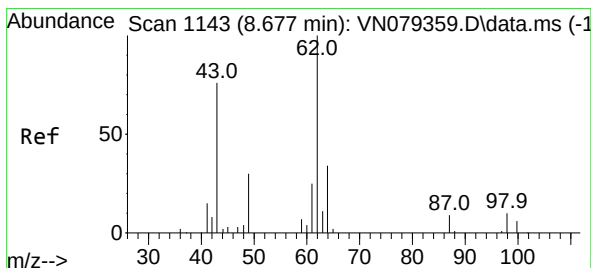
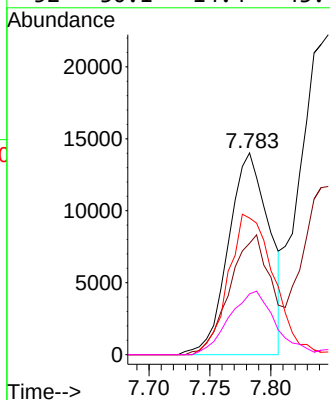
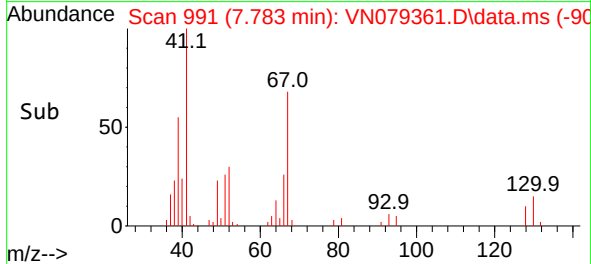
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



| Tgt Ion: | 41   | Ratio | 100   | Lower | Upper |
|----------|------|-------|-------|-------|-------|
| 39       | 55.2 | 26.3  | 78.8  |       |       |
| 67       | 67.7 | 37.5  | 112.3 |       |       |
| 52       | 30.1 | 14.4  | 43.4  |       |       |

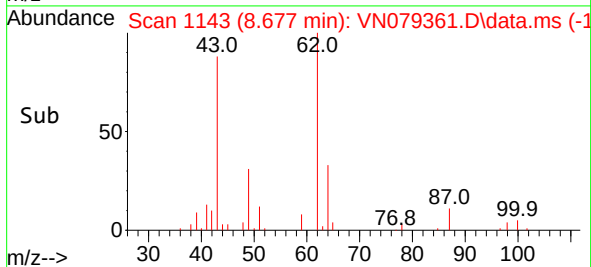
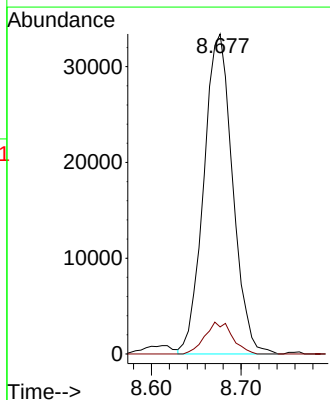
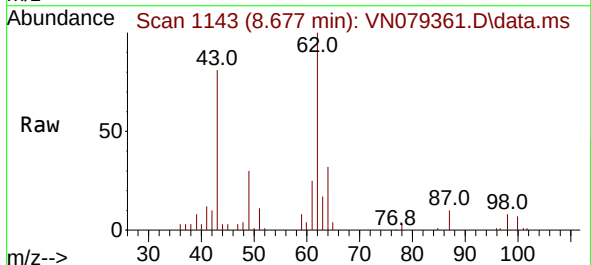
Manual Integrations  
APPROVED

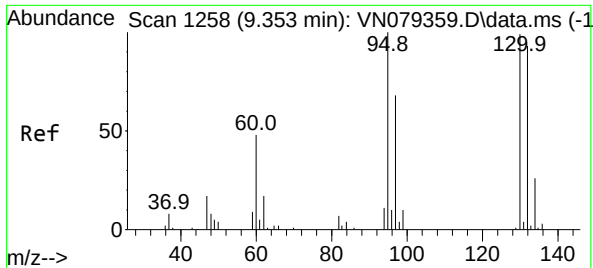
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#36  
1,2-Dichloroethane  
Concen: 19.159 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

| Tgt Ion: | 62  | Ratio | 100  | Lower | Upper |
|----------|-----|-------|------|-------|-------|
| 98       | 9.4 | 7.2   | 10.8 |       |       |





#37

Trichloroethene

Concen: 19.146 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN092723

Tgt Ion:130 Resp: 4841

Ion Ratio Lower Upper

130 100

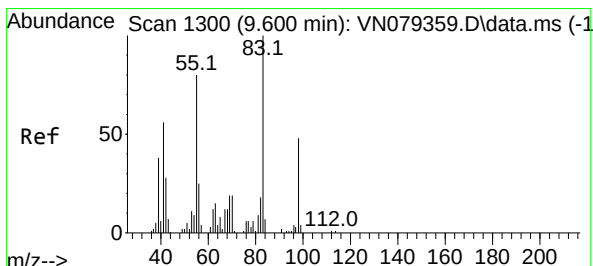
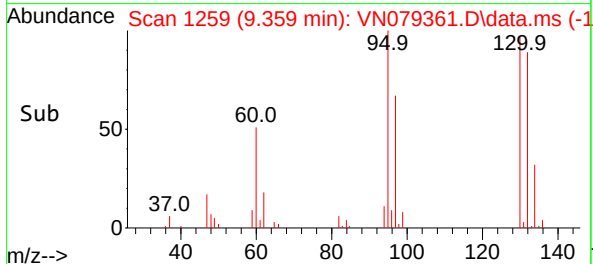
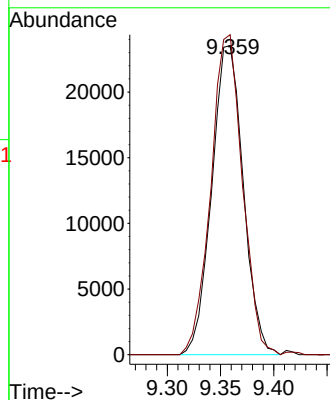
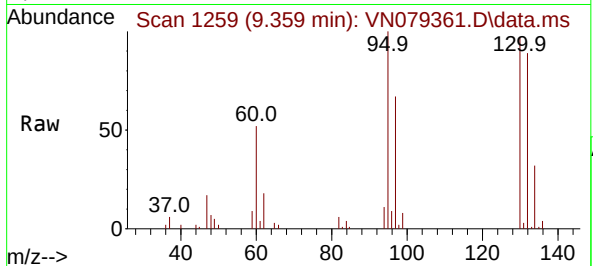
95 103.5 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#38

Methylcyclohexane

Concen: 19.528 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

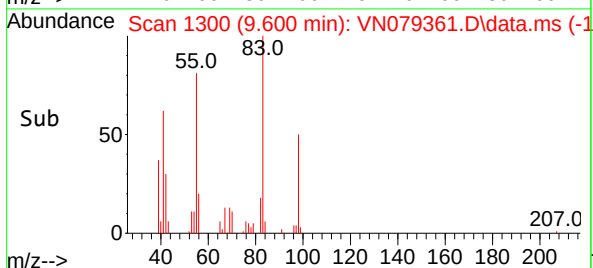
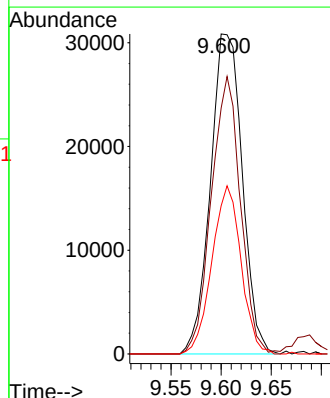
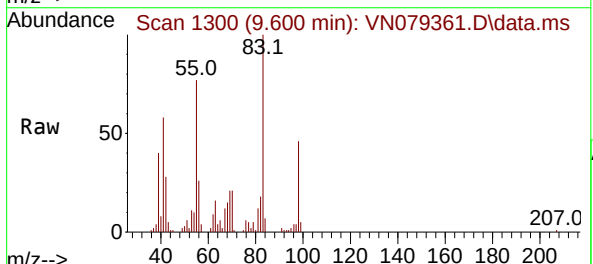
Tgt Ion: 83 Resp: 68007

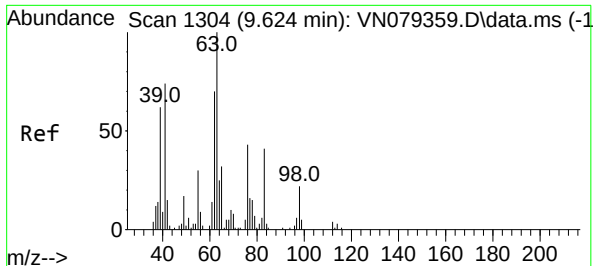
Ion Ratio Lower Upper

83 100

55 79.1 39.7 119.1

98 48.0 24.4 73.2





#39

1,2-Dichloropropane

Concen: 19.481 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN092723

Tgt Ion: 63 Resp: 55639

Ion Ratio Lower Upper

63 100

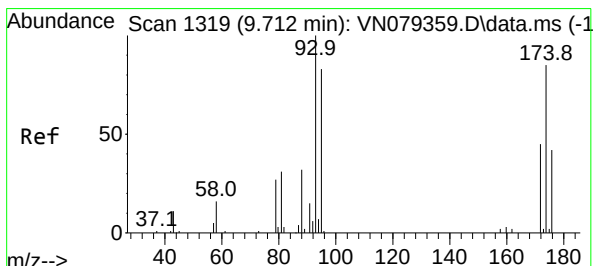
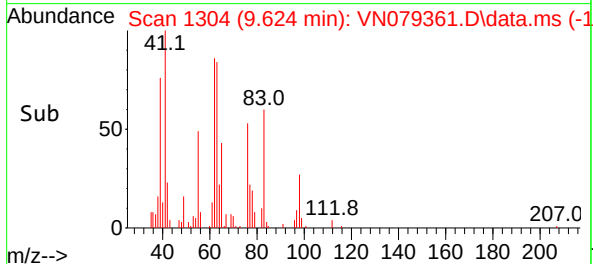
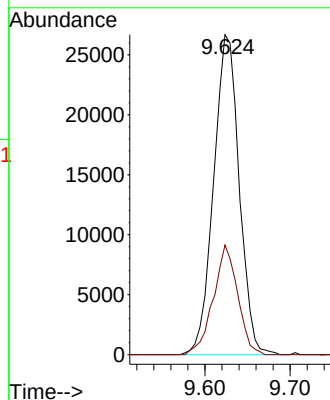
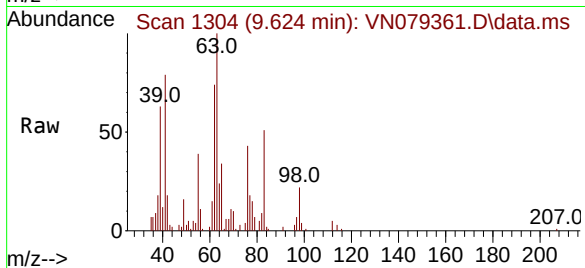
65 34.3 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#40

Dibromomethane

Concen: 19.299 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

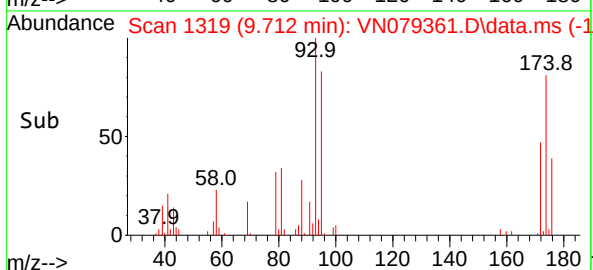
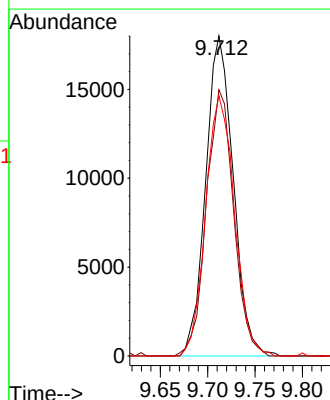
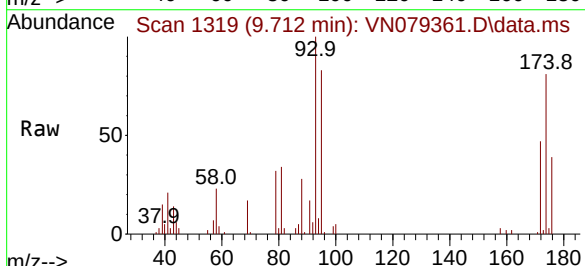
Tgt Ion: 93 Resp: 36485

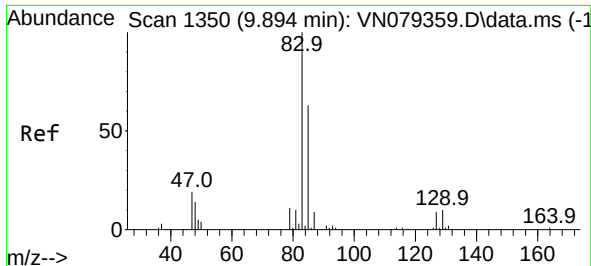
Ion Ratio Lower Upper

93 100

95 82.5 0.0 166.6

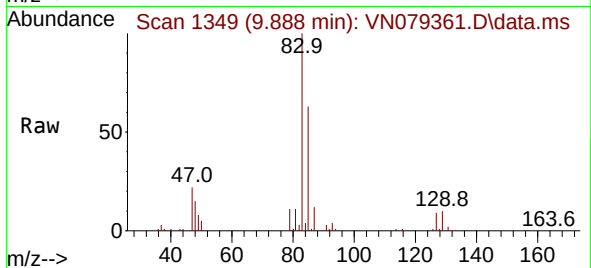
174 85.0 0.0 171.0





#41  
Bromodichloromethane  
Concen: 19.251 ug/l  
RT: 9.888 min Scan# 1349  
Delta R.T. -0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

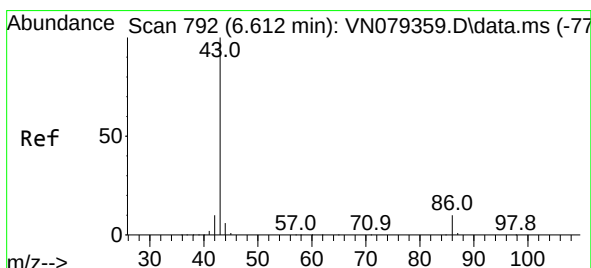
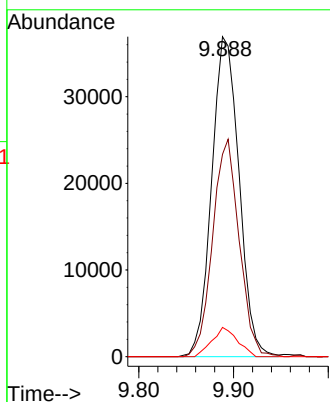
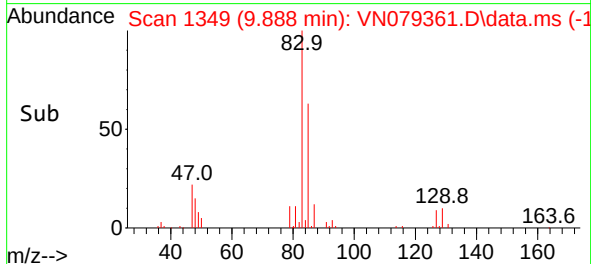
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion: 83 Resp: 7411  
Ion Ratio Lower Upper  
83 100  
85 63.2 50.3 75.5  
127 9.2 6.8 10.2

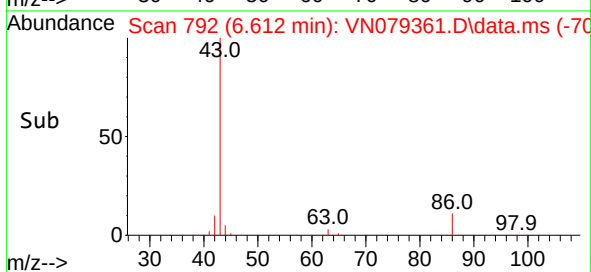
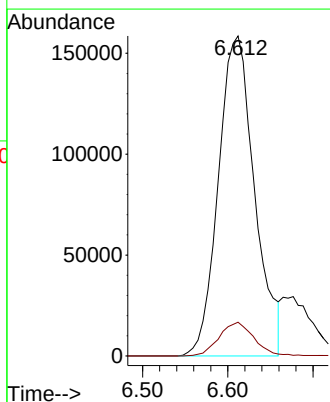
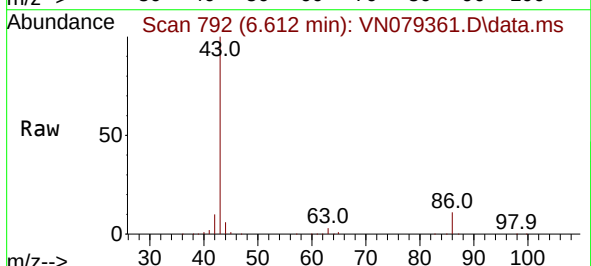
Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

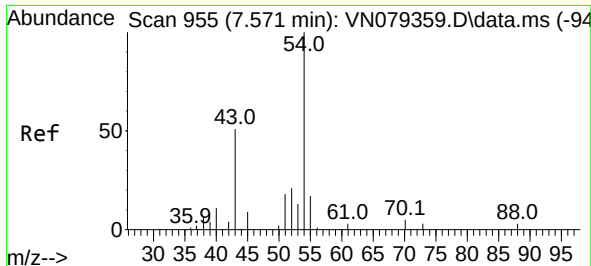


#42  
Vinyl Acetate  
Concen: 98.854 ug/l  
RT: 6.612 min Scan# 792  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Tgt Ion: 43 Resp: 469294  
Ion Ratio Lower Upper  
43 100  
86 10.0 8.2 12.2

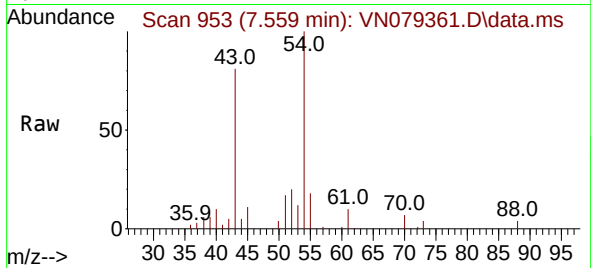






#43  
Ethyl Acetate  
Concen: 20.069 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

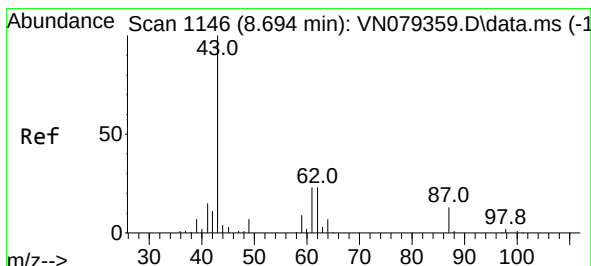
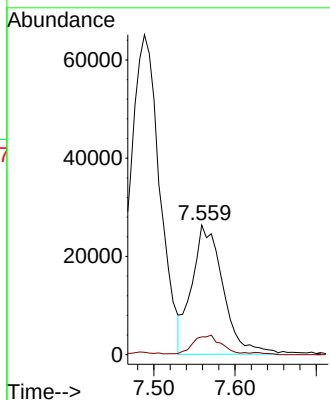
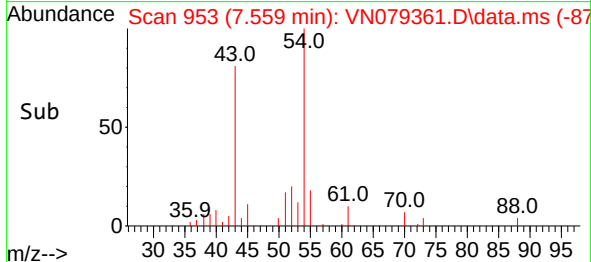
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



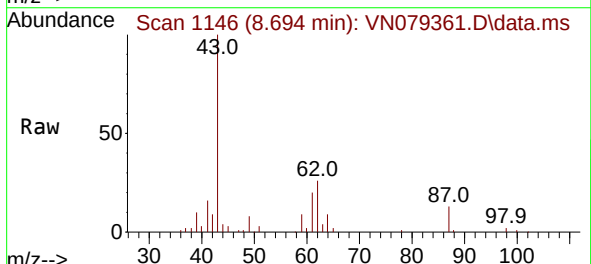
Tgt Ion: 43 Resp: 7023  
Ion Ratio Lower Upper  
43 100  
45 14.0 11.8 17.8

Manual Integrations  
APPROVED

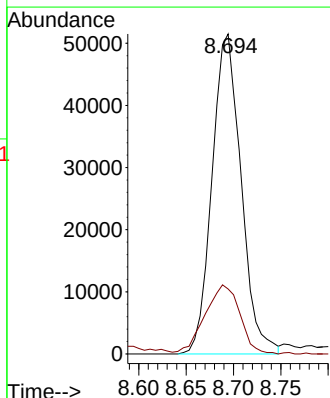
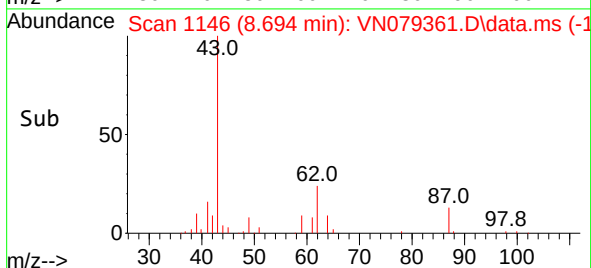
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

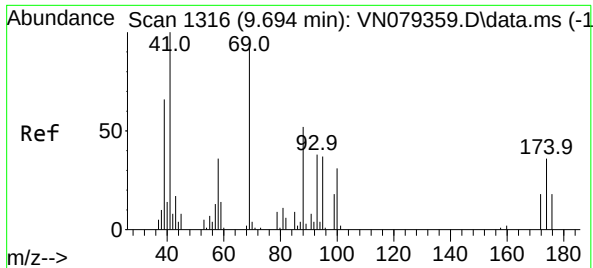


#44  
Isopropyl Acetate  
Concen: 19.533 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30



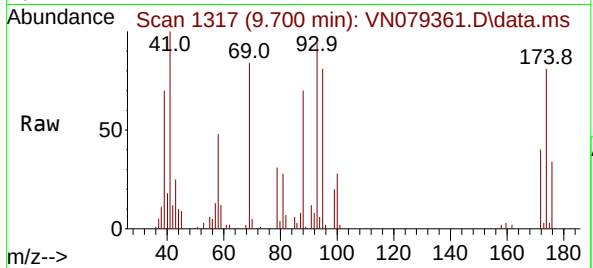
Tgt Ion: 43 Resp: 109905  
Ion Ratio Lower Upper  
43 100  
61 25.9 20.3 30.5





#45  
1,4-Dioxane  
Concen: 381.462 ug/l  
RT: 9.700 min Scan# 1317  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

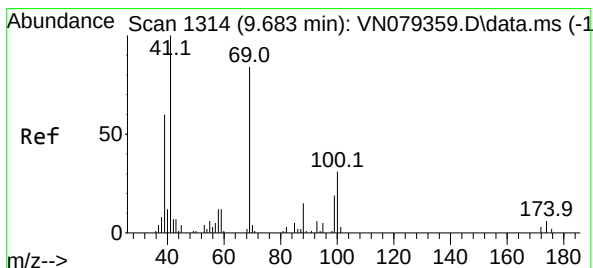
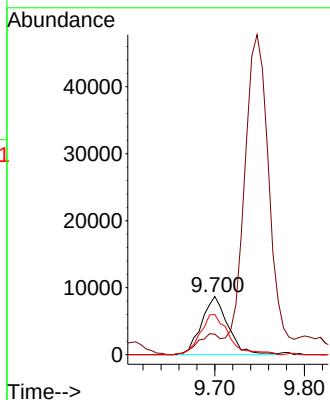
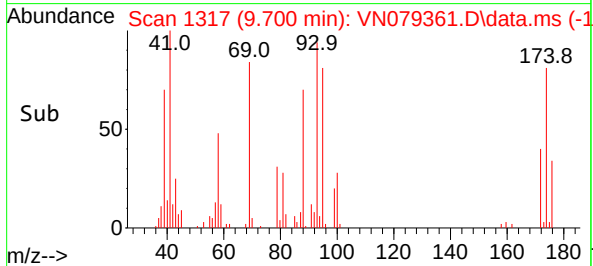
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion: 88 Resp: 1770  
Ion Ratio Lower Upper  
88 100  
43 30.8 28.7 43.1  
58 75.2 56.9 85.3

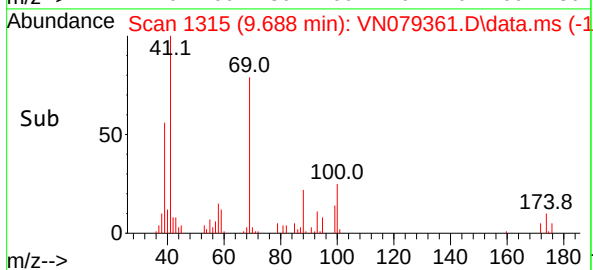
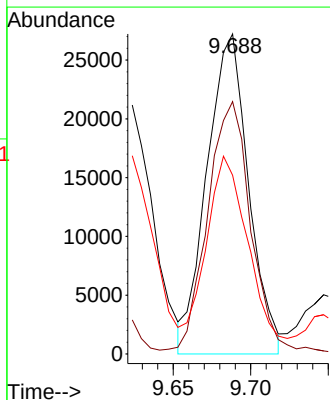
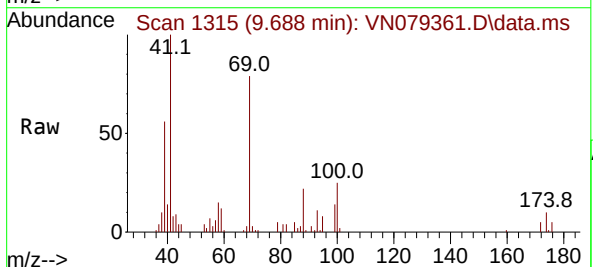
Manual Integrations  
APPROVED

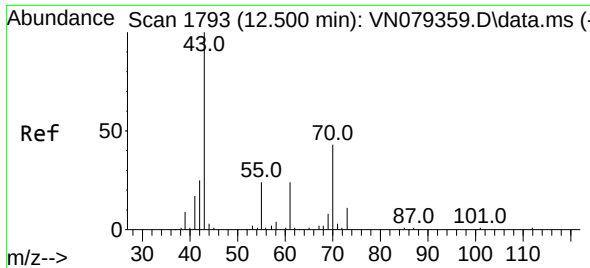
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#46  
Methyl methacrylate  
Concen: 19.904 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Tgt Ion: 41 Resp: 50899  
Ion Ratio Lower Upper  
41 100  
69 81.9 40.0 119.9  
39 53.6 31.1 93.3





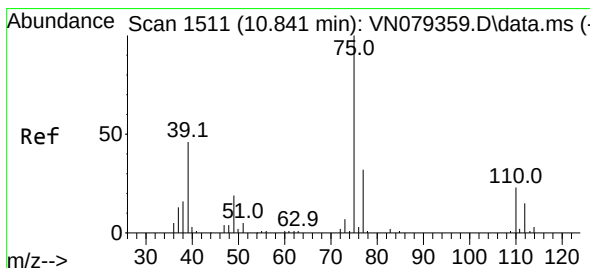
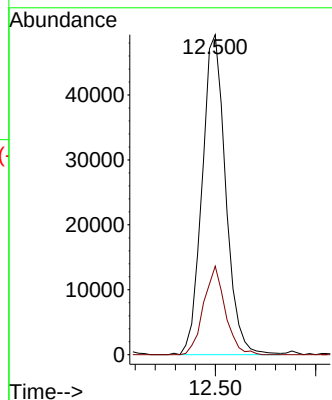
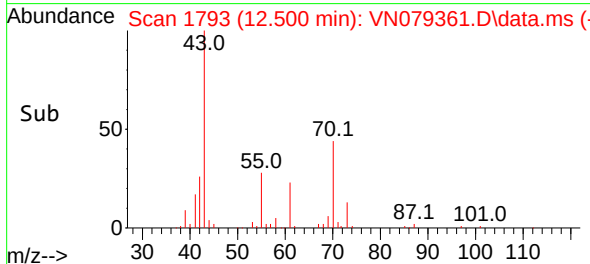
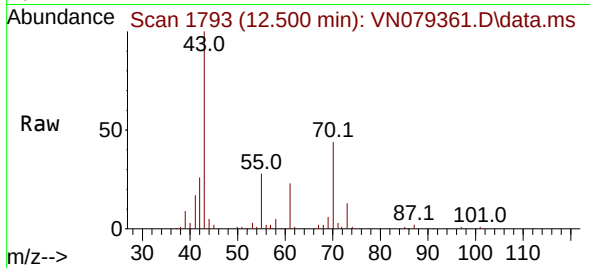
#47  
n-amy1 Acetate  
Concen: 20.104 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723

Tgt Ion: 43 Resp: 80499  
Ion Ratio Lower Upper  
43 100  
55 25.4 20.7 31.1

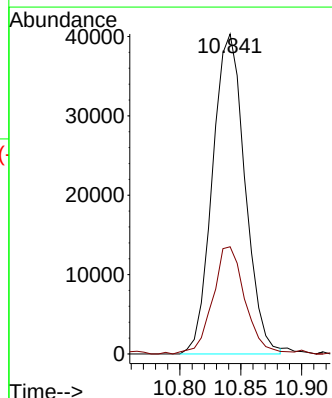
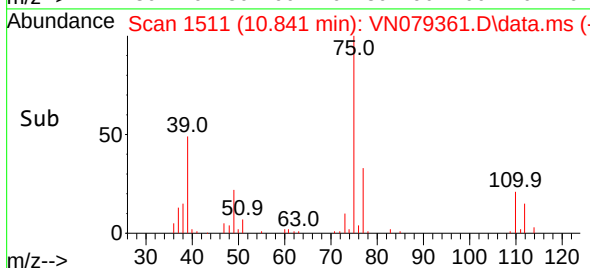
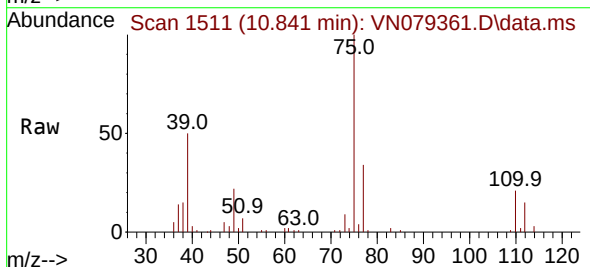
Manual Integrations  
APPROVED

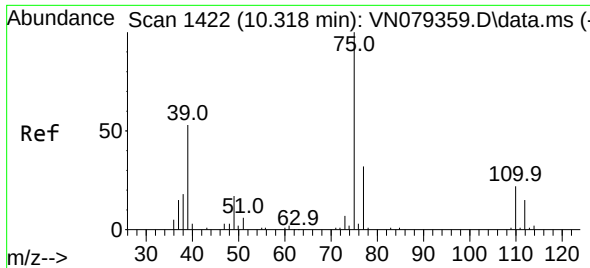
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#48  
t-1,3-Dichloropropene  
Concen: 19.115 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

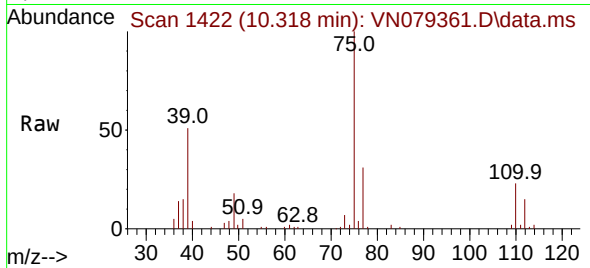
Tgt Ion: 75 Resp: 74744  
Ion Ratio Lower Upper  
75 100  
77 32.9 25.6 38.4





#49  
 cis-1,3-Dichloropropene  
 Concen: 19.523 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. -0.000 min  
 Lab File: VN079361.D  
 Acq: 27 Sep 2023 12:30

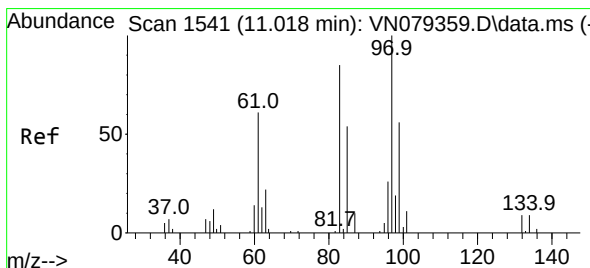
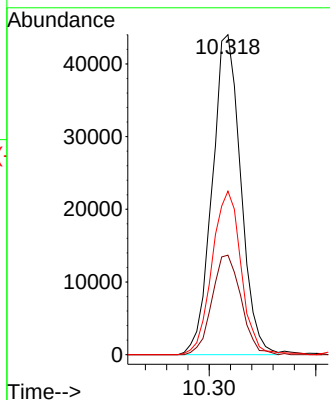
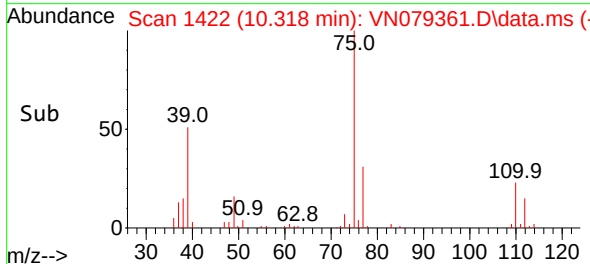
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN092723



Tgt Ion: 75 Resp: 81915  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 25.8 38.6  
 39 51.1 42.4 63.6

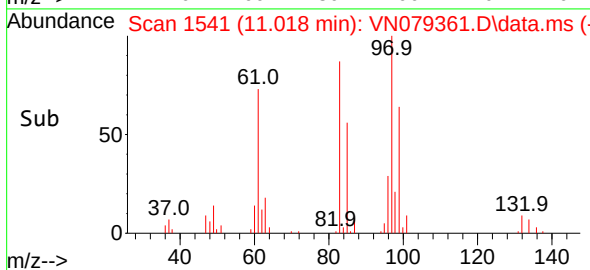
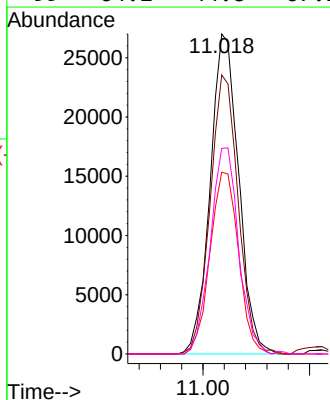
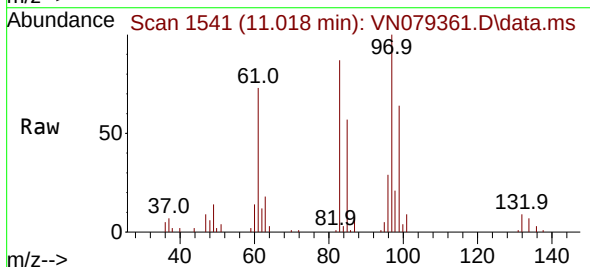
Manual Integrations  
 APPROVED

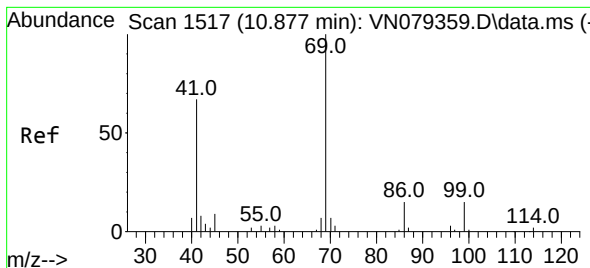
Reviewed By :John Carlone 09/28/2023  
 Supervised By :Semsettin Yesilyurt 09/28/2023



#50  
 1,1,2-Trichloroethane  
 Concen: 19.431 ug/l  
 RT: 11.018 min Scan# 1541  
 Delta R.T. -0.000 min  
 Lab File: VN079361.D  
 Acq: 27 Sep 2023 12:30

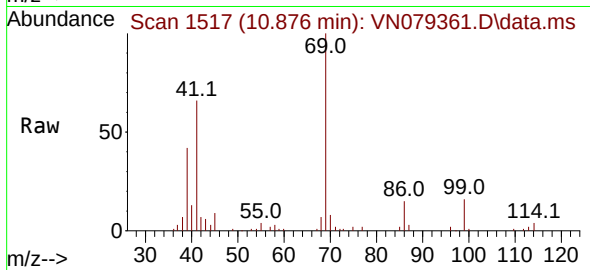
Tgt Ion: 97 Resp: 50113  
 Ion Ratio Lower Upper  
 97 100  
 83 87.2 68.2 102.4  
 85 56.8 42.9 64.3  
 99 64.2 44.8 67.2





#51  
Ethyl methacrylate  
Concen: 19.307 ug/l  
RT: 10.876 min Scan# 1517  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

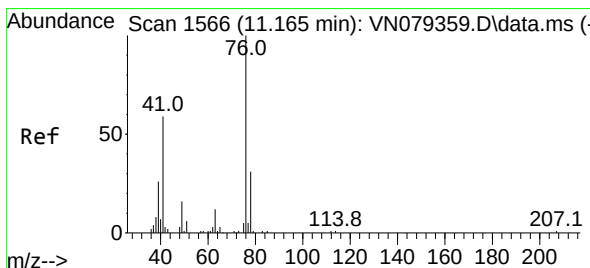
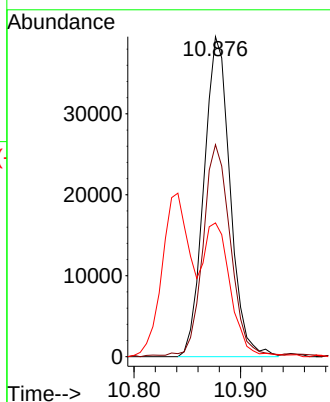
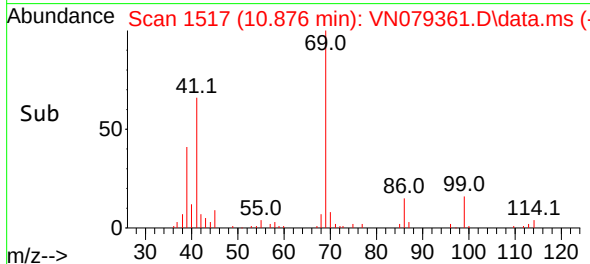
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion: 69 Resp: 67680  
Ion Ratio Lower Upper  
69 100  
41 65.8 33.8 101.3  
39 41.1 21.3 63.9

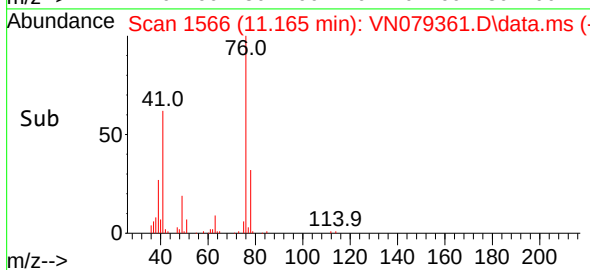
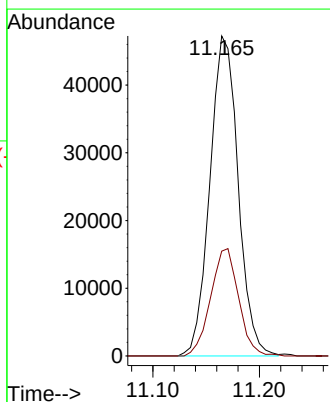
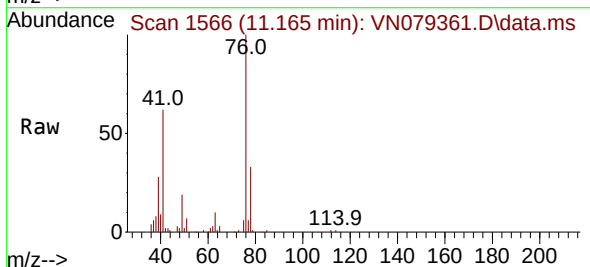
Manual Integrations  
APPROVED

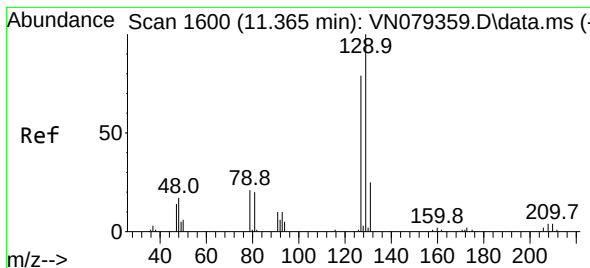
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#52  
1,3-Dichloropropane  
Concen: 18.945 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

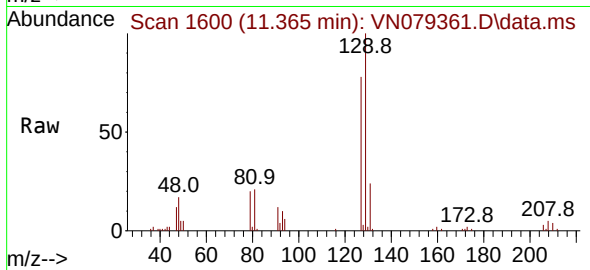
Tgt Ion: 76 Resp: 87155  
Ion Ratio Lower Upper  
76 100  
78 33.2 0.0 64.0





#53  
Dibromochloromethane  
Concen: 19.862 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

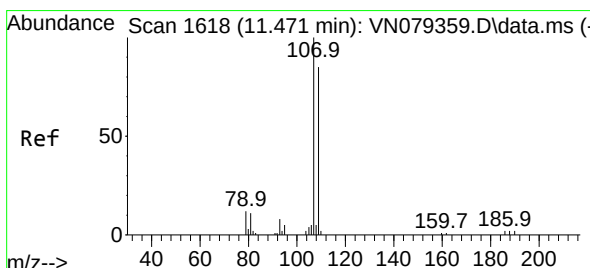
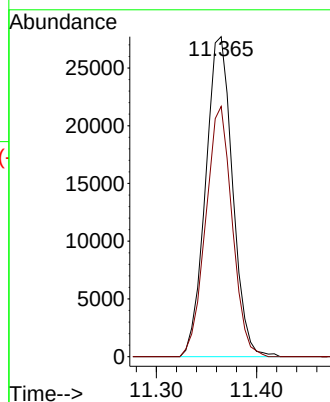
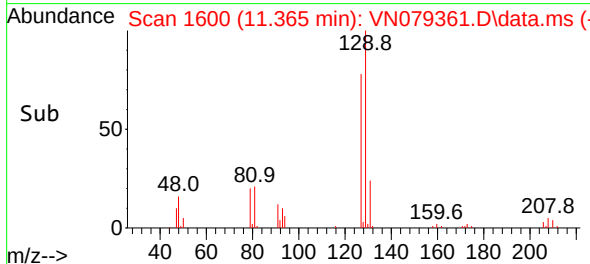
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



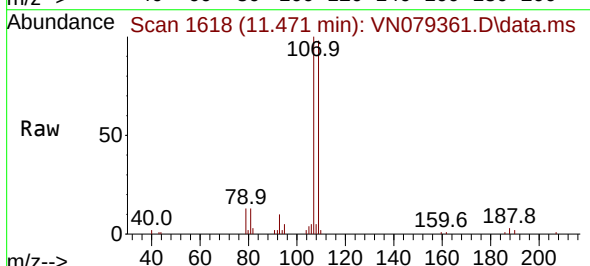
Tgt Ion:129 Resp: 51848  
Ion Ratio Lower Upper  
129 100  
127 76.7 38.8 116.3

Manual Integrations  
APPROVED

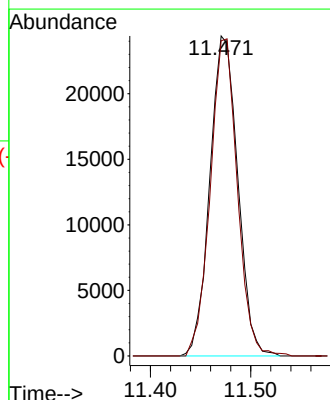
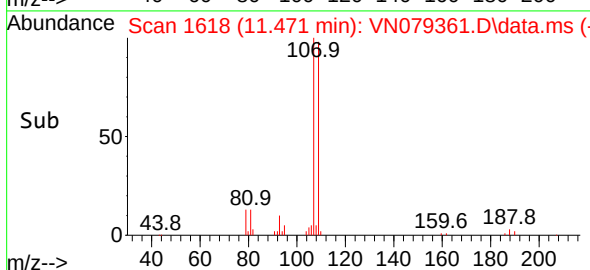
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

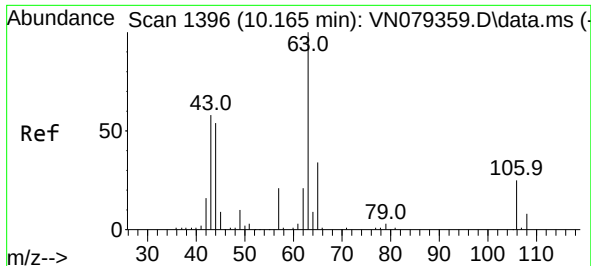


#54  
1,2-Dibromoethane  
Concen: 18.772 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30



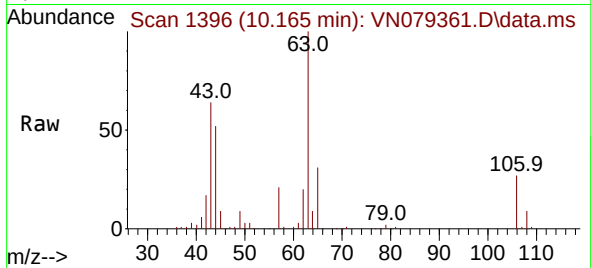
Tgt Ion:107 Resp: 47216  
Ion Ratio Lower Upper  
107 100  
109 95.7 73.2 109.8





#55  
2-Chloroethyl vinyl ether  
Concen: 104.185 ug/l  
RT: 10.165 min Scan# 1396  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

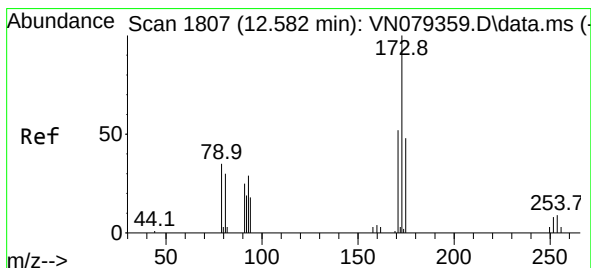
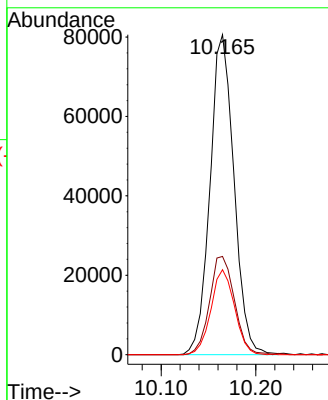
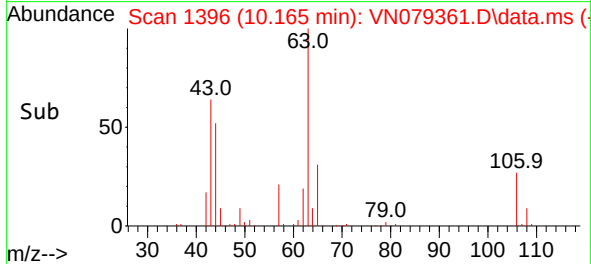
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion: 63 Resp: 14199  
Ion Ratio Lower Upper  
63 100  
65 31.9 25.9 38.9  
106 26.1 20.6 30.8

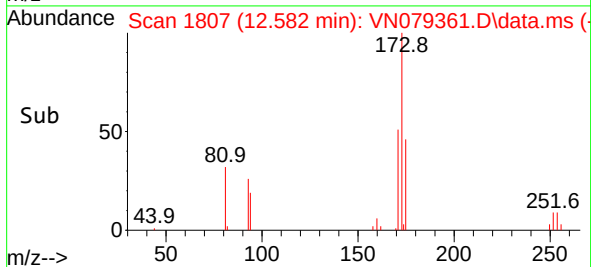
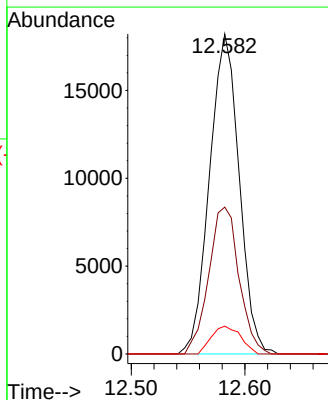
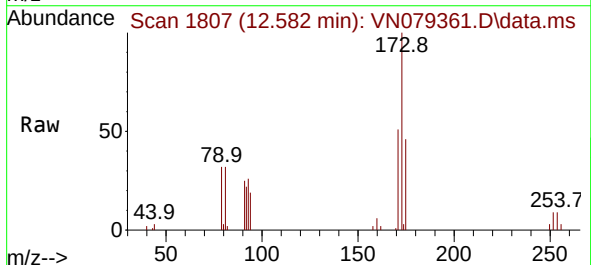
Manual Integrations  
APPROVED

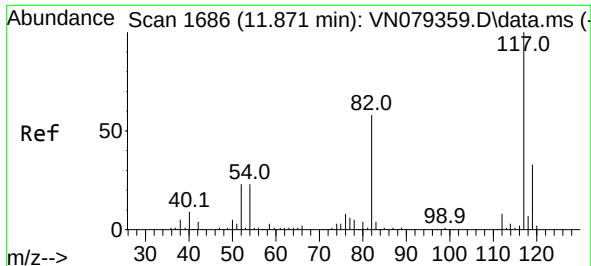
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#56  
Bromoform  
Concen: 19.853 ug/l  
RT: 12.582 min Scan# 1807  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Tgt Ion:173 Resp: 33017  
Ion Ratio Lower Upper  
173 100  
175 46.9 37.9 56.9  
254 8.6 7.3 10.9





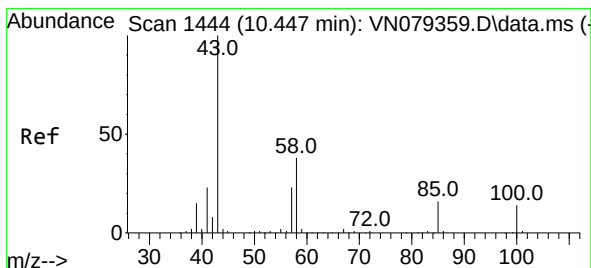
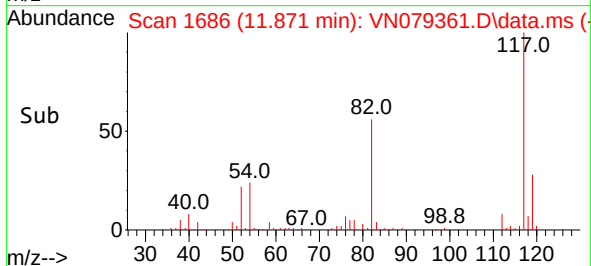
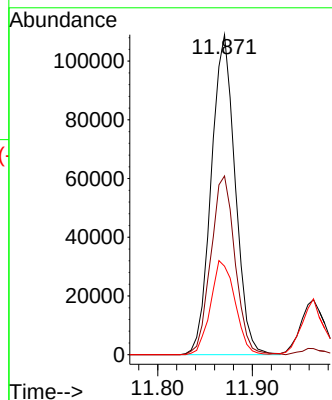
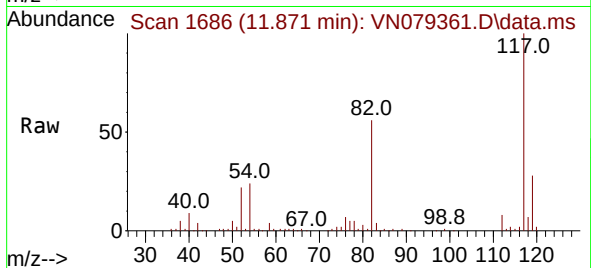
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.871 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723

Tgt Ion:117 Resp: 191073  
Ion Ratio Lower Upper  
117 100  
82 56.8 46.2 69.2  
119 30.1 25.2 37.8

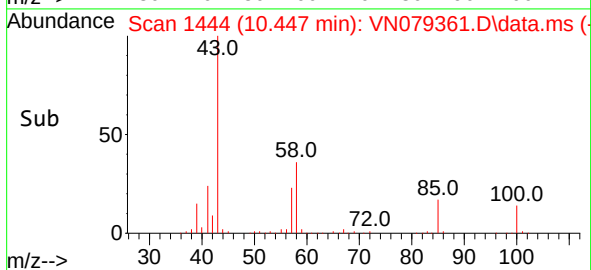
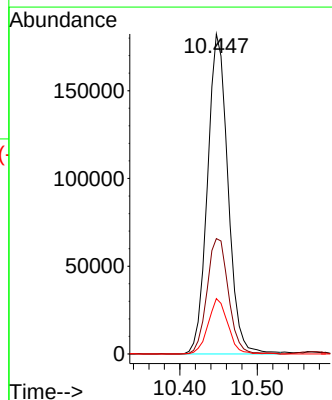
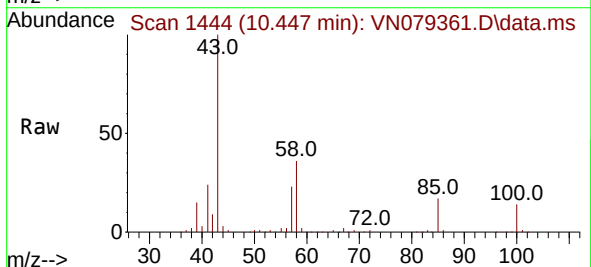
Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

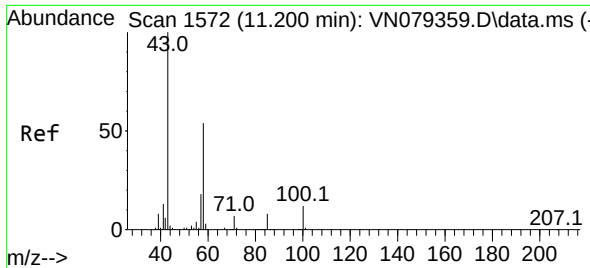


#58  
4-Methyl-2-Pentanone  
Concen: 97.934 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Tgt Ion: 43 Resp: 334873  
Ion Ratio Lower Upper  
43 100  
58 37.8 30.4 45.6  
85 16.6 13.2 19.8

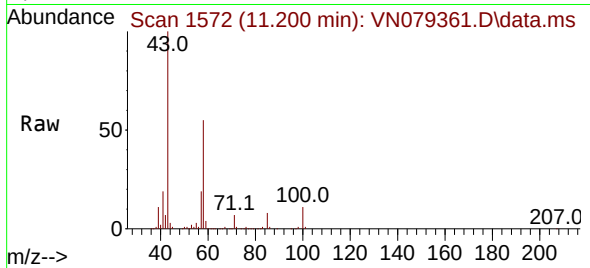






#59  
2-Hexanone  
Concen: 97.250 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

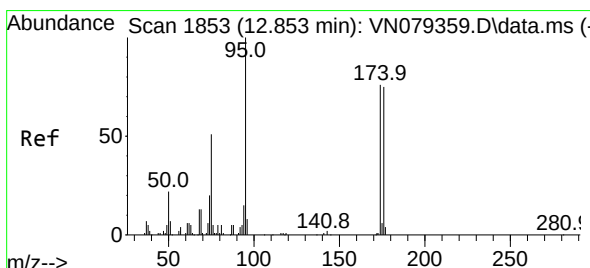
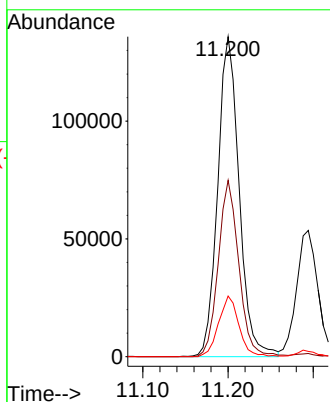
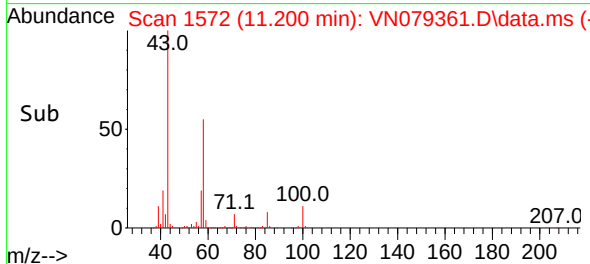
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion: 43 Resp: 237900  
Ion Ratio Lower Upper  
43 100  
58 52.3 42.3 63.5  
57 17.9 13.9 20.9

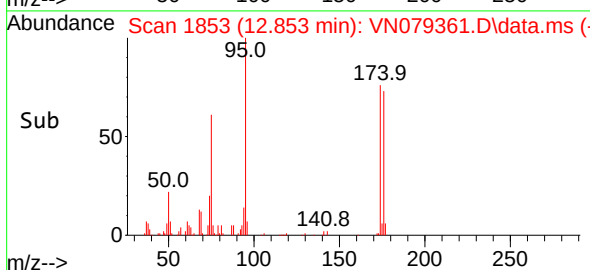
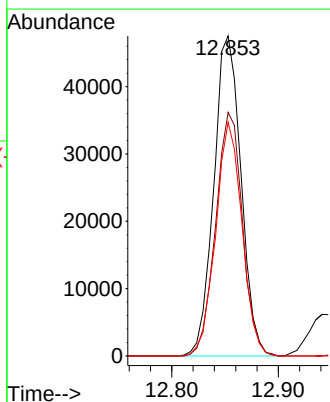
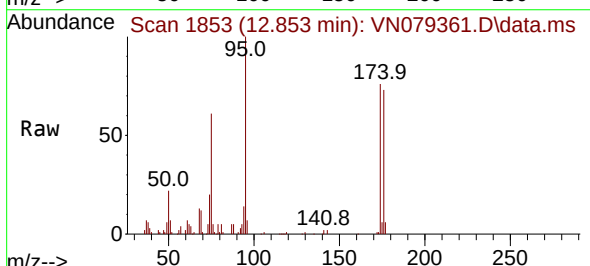
Manual Integrations  
APPROVED

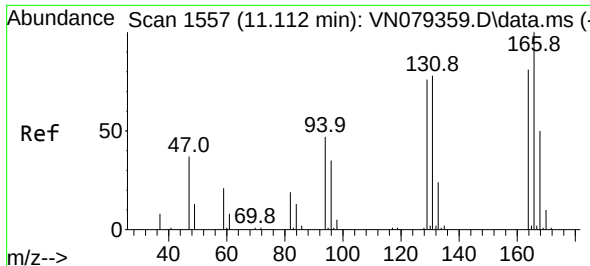
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#60  
4-Bromofluorobenzene  
Concen: 30.894 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

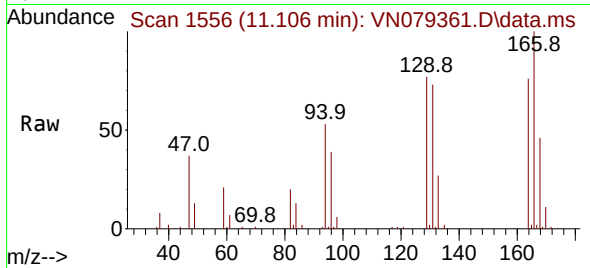
Tgt Ion: 95 Resp: 84138  
Ion Ratio Lower Upper  
95 100  
174 75.1 60.5 90.7  
176 70.8 57.2 85.8





#61  
Tetrachloroethene  
Concen: 19.298 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. -0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

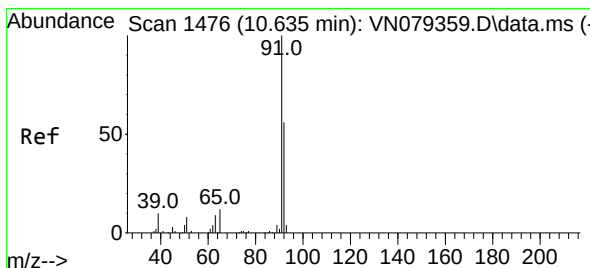
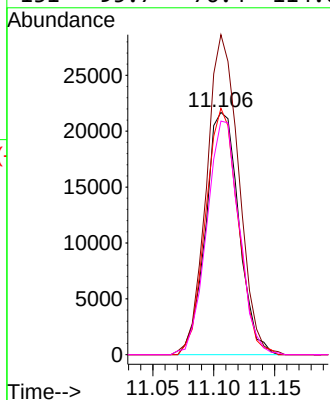
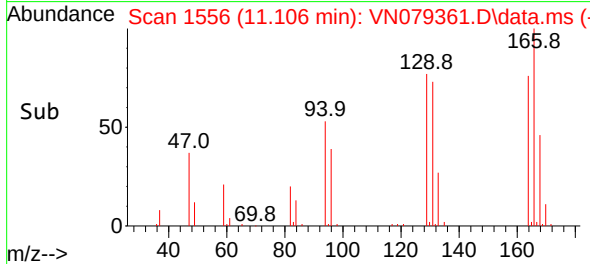
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion:164 Resp: 4111  
Ion Ratio Lower Upper  
164 100  
166 130.8 98.2 147.4  
129 101.7 75.0 112.4  
131 95.7 76.4 114.6

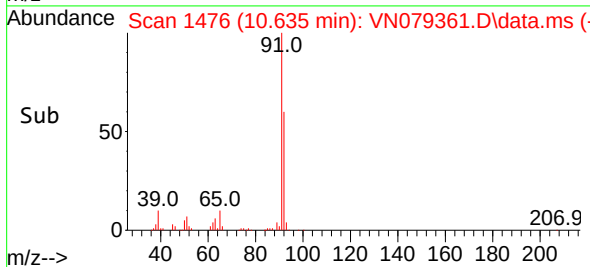
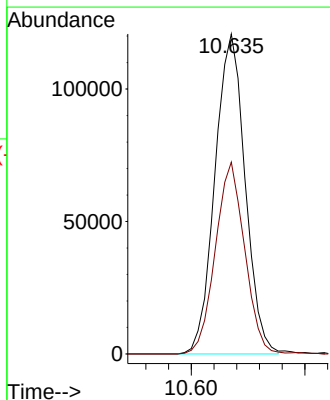
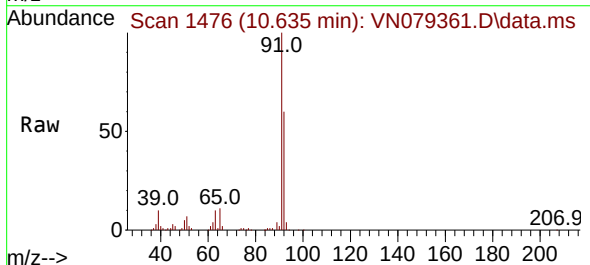
Manual Integrations  
APPROVED

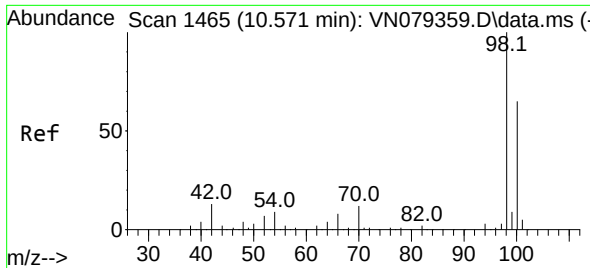
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#62  
Toluene  
Concen: 19.435 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

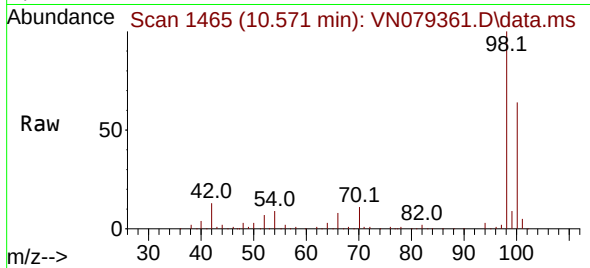
Tgt Ion: 91 Resp: 222453  
Ion Ratio Lower Upper  
91 100  
92 58.1 45.3 67.9





#63  
Toluene-d8  
Concen: 30.170 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

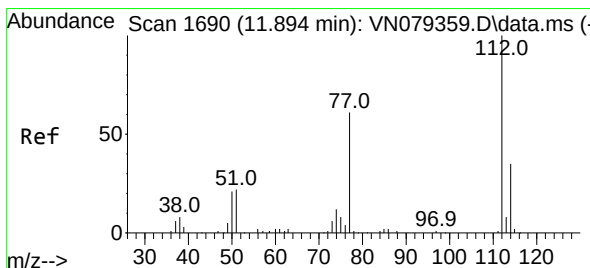
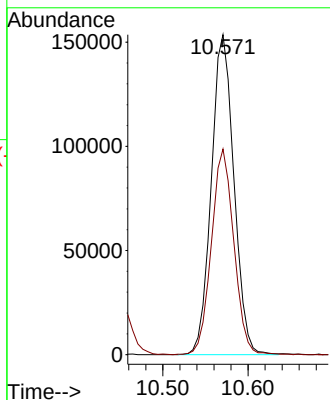
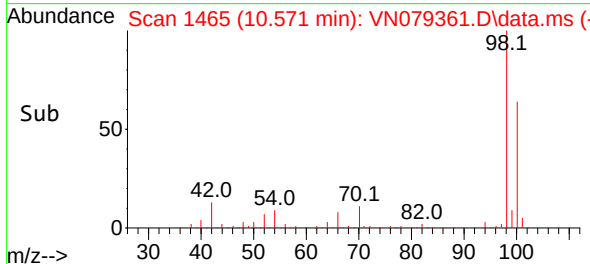
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion: 98 Resp: 28322  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.6 77.4

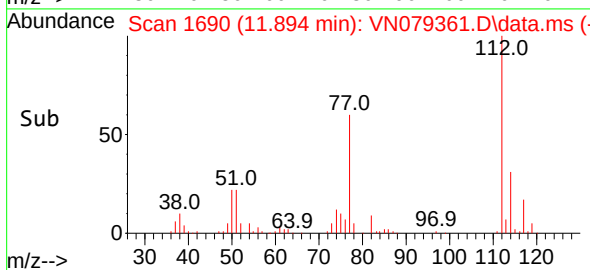
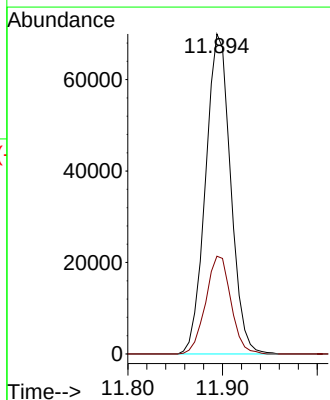
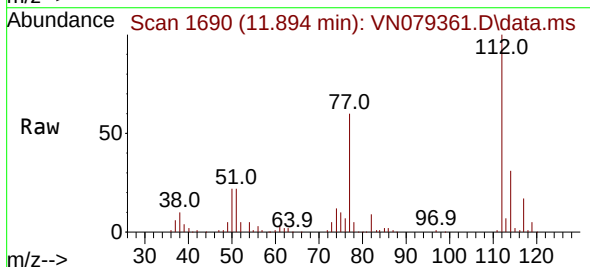
Manual Integrations  
APPROVED

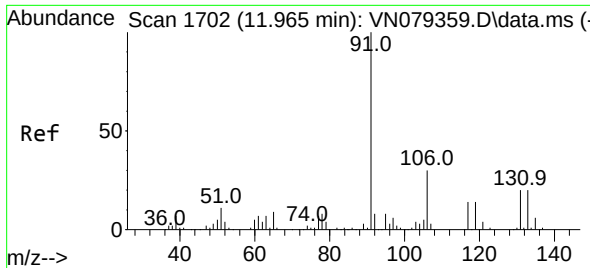
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#64  
Chlorobenzene  
Concen: 19.585 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

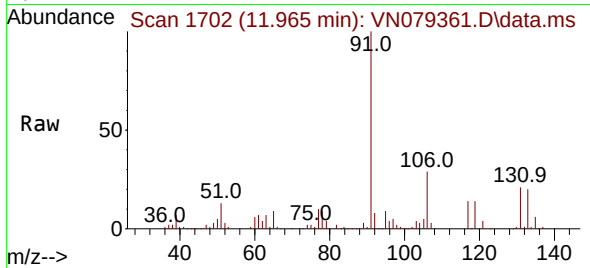
Tgt Ion:112 Resp: 128658  
Ion Ratio Lower Upper  
112 100  
114 30.6 28.1 42.1





#65  
1,1,1,2-Tetrachloroethane  
Concen: 19.758 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

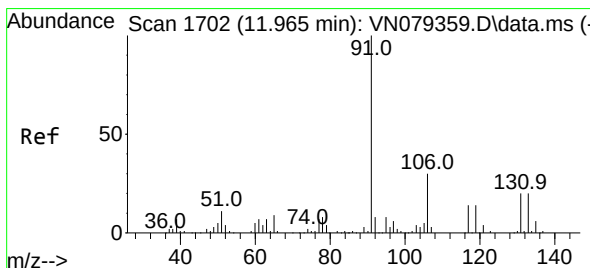
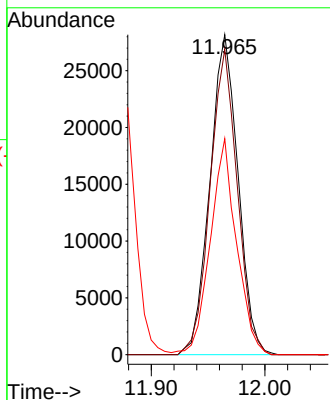
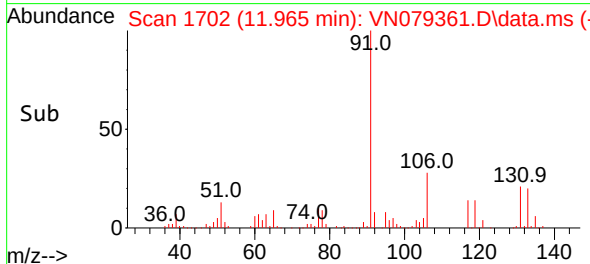
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion:131 Resp: 4855  
Ion Ratio Lower Upper  
131 100  
133 92.3 0.0 196.0  
119 62.9 0.0 135.6

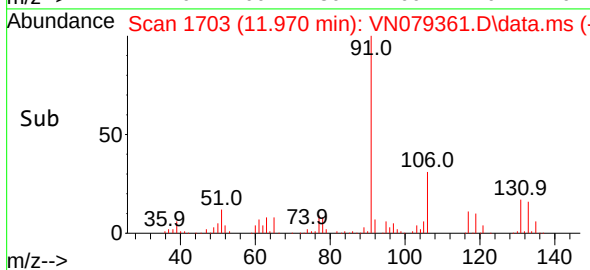
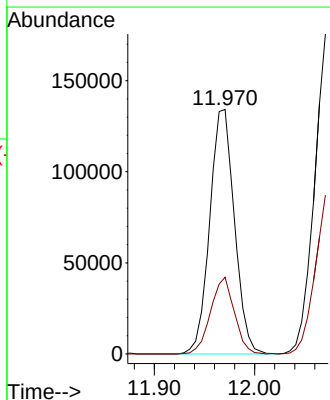
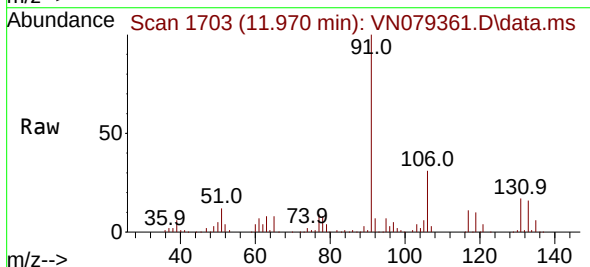
Manual Integrations  
APPROVED

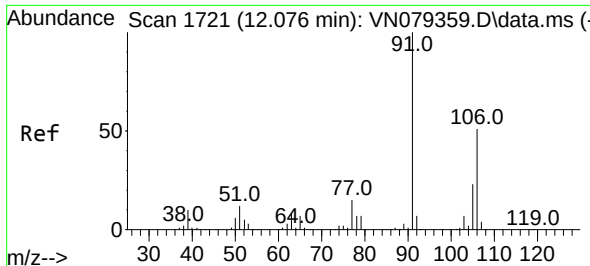
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#66  
Ethyl Benzene  
Concen: 19.871 ug/l  
RT: 11.970 min Scan# 1703  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Tgt Ion: 91 Resp: 230040  
Ion Ratio Lower Upper  
91 100  
106 31.4 23.8 35.8





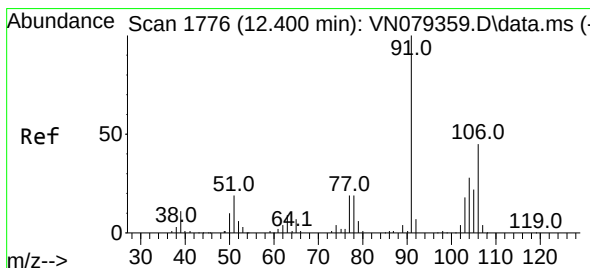
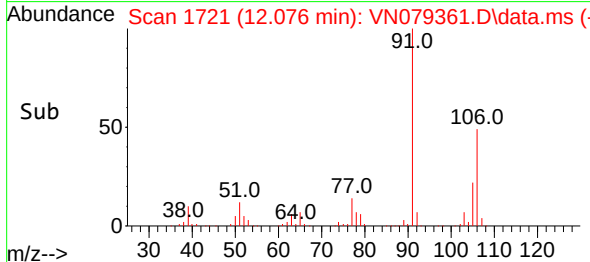
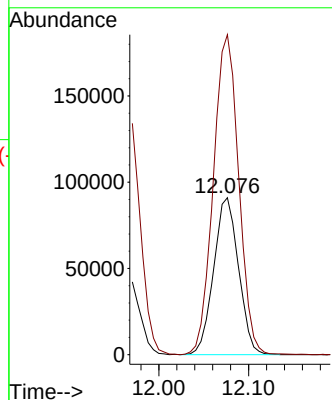
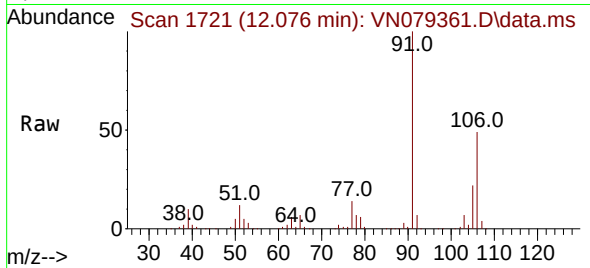
#67  
m/p-Xylenes  
Concen: 40.917 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723

Tgt Ion:106 Resp: 17514  
Ion Ratio Lower Upper  
106 100  
91 207.8 161.8 242.6

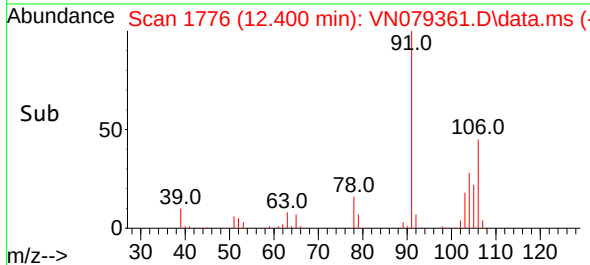
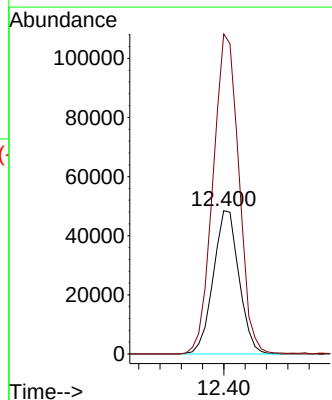
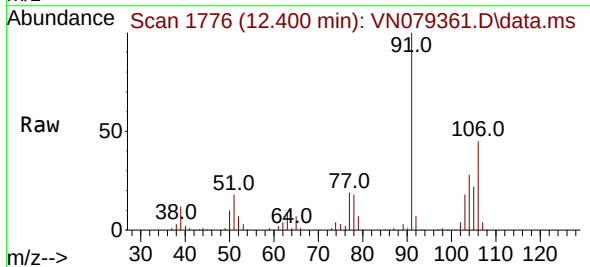
Manual Integrations  
APPROVED

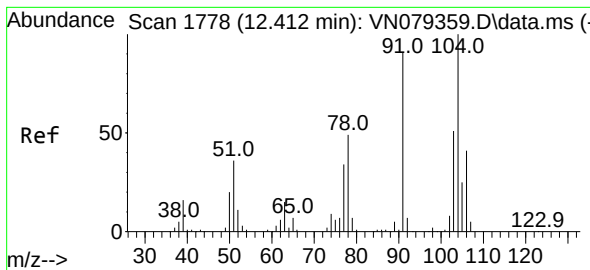
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#68  
o-Xylene  
Concen: 19.712 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Tgt Ion:106 Resp: 81197  
Ion Ratio Lower Upper  
106 100  
91 224.8 109.9 329.7





#69

Styrene

Concen: 20.538 ug/l

RT: 12.418 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN079361.D

Acq: 27 Sep 2023 12:30

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN092723

Tgt Ion:104 Resp: 133264

Ion Ratio Lower Upper

104 100

78 49.6 41.2 61.8

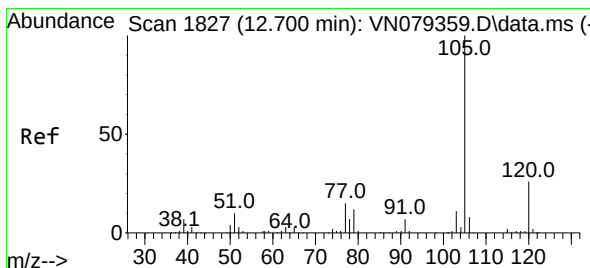
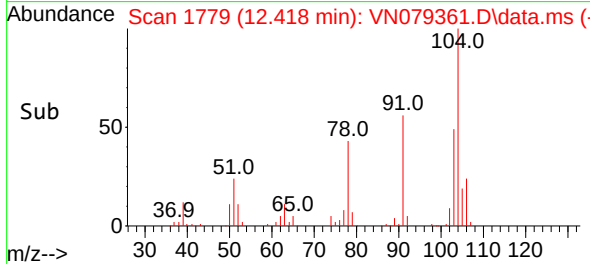
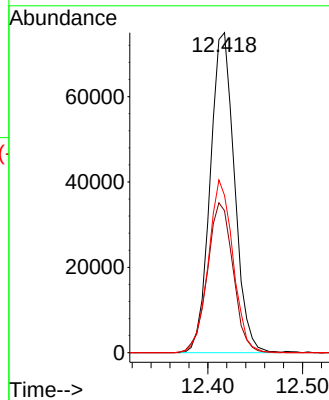
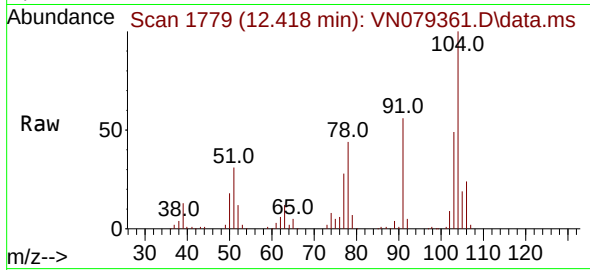
103 55.0 43.1 64.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/28/2023

Supervised By :Semsettin Yesilyurt 09/28/2023



#70

Isopropylbenzene

Concen: 20.307 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN079361.D

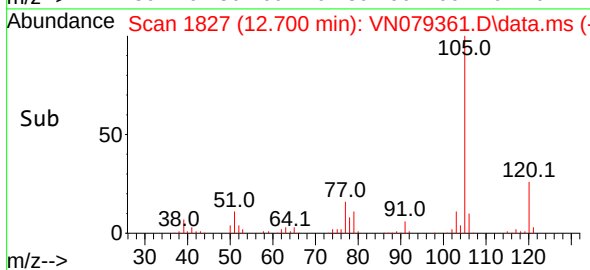
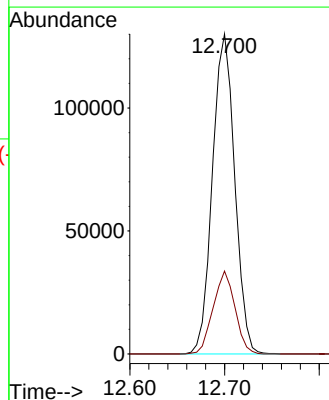
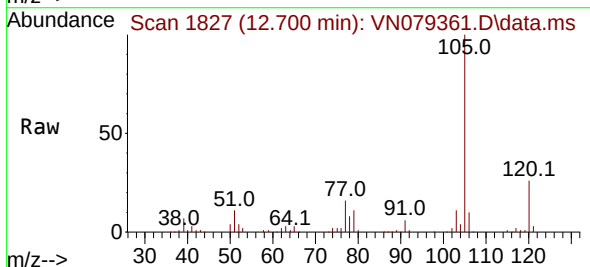
Acq: 27 Sep 2023 12:30

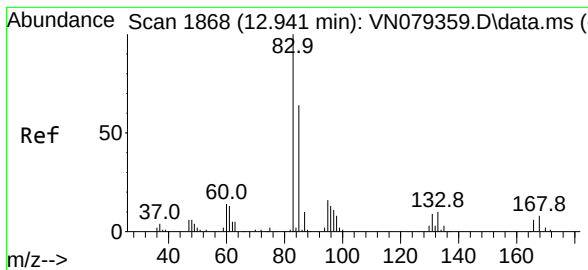
Tgt Ion:105 Resp: 212802

Ion Ratio Lower Upper

105 100

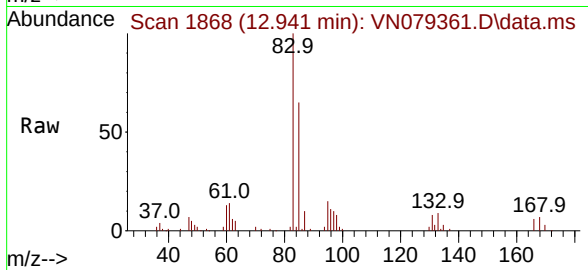
120 25.3 18.1 33.5





#71  
1,1,2,2-Tetrachloroethane  
Concen: 18.844 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

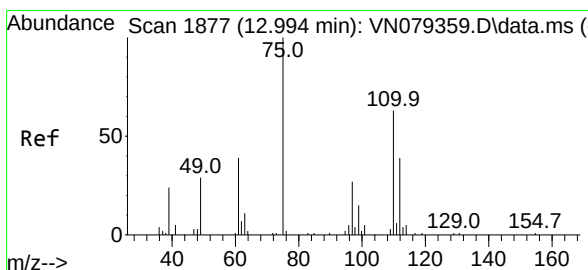
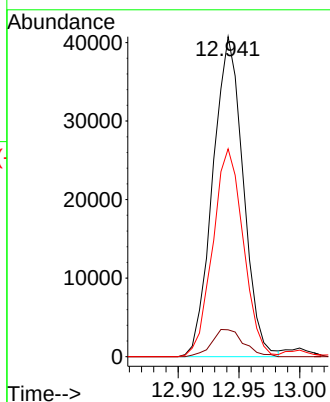
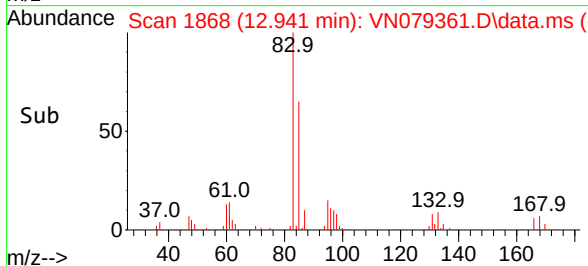
Instrument : MSVOA\_N  
ClientSampleId : ICVVN092723



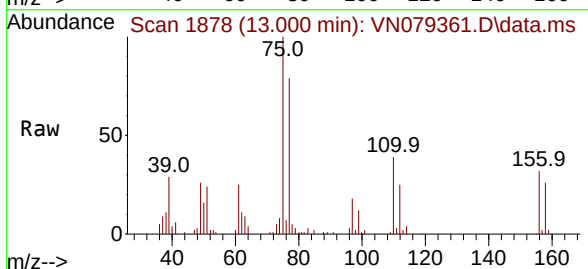
Tgt Ion: 83 Resp: 70752  
Ion Ratio Lower Upper  
83 100  
131 8.9 4.5 13.4  
85 65.3 32.1 96.3

Manual Integrations  
APPROVED

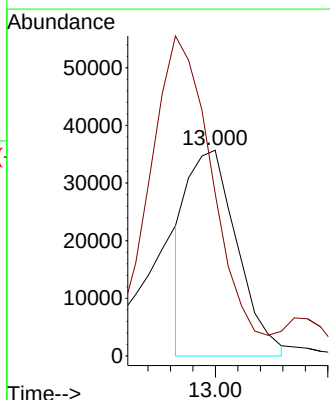
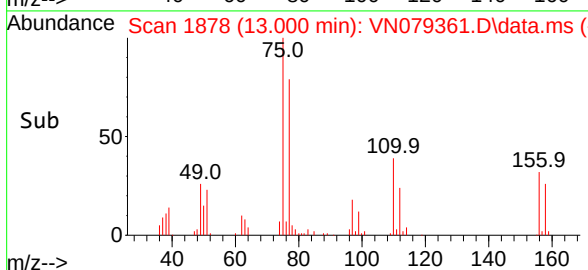
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

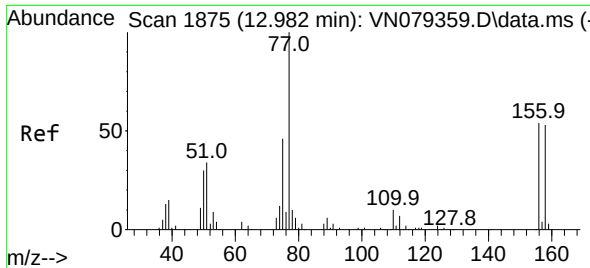


#72  
1,2,3-Trichloropropane  
Concen: 16.485 ug/l m  
RT: 13.000 min Scan# 1878  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30



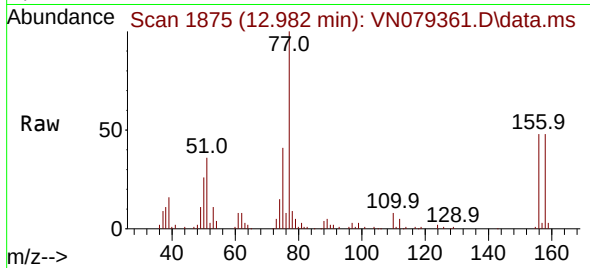
Tgt Ion: 75 Resp: 55242  
Ion Ratio Lower Upper  
75 100  
77 199.7 0.0 338.2





#73  
Bromobenzene  
Concen: 19.556 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

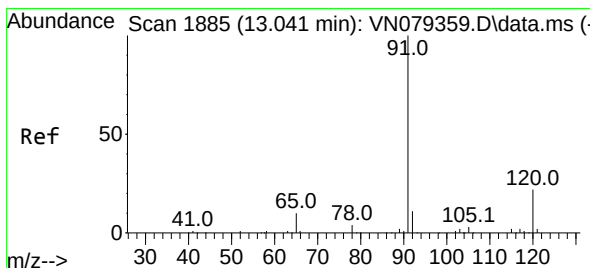
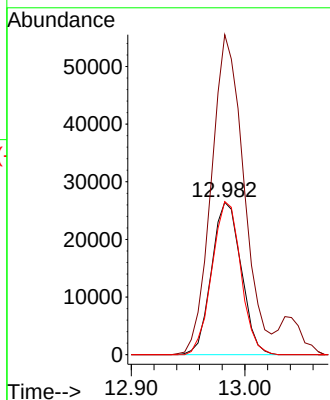
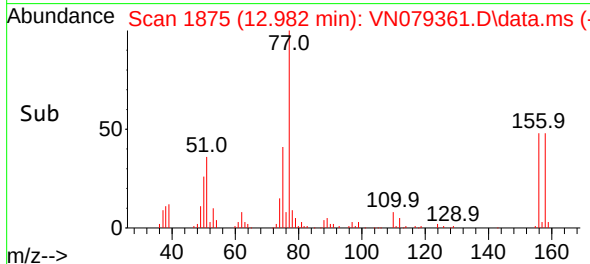
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICNVN092723



Tgt Ion:156 Resp: 47982  
Ion Ratio Lower Upper  
156 100  
77 229.9 0.0 448.2  
158 97.7 0.0 194.8

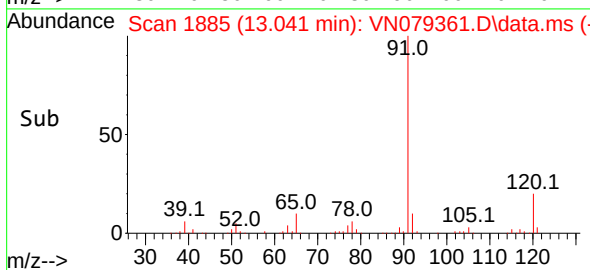
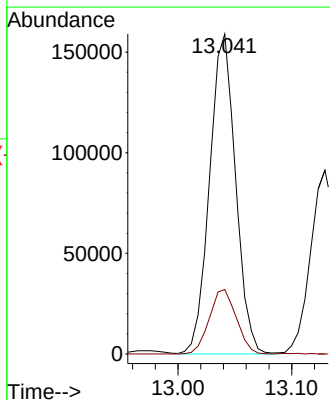
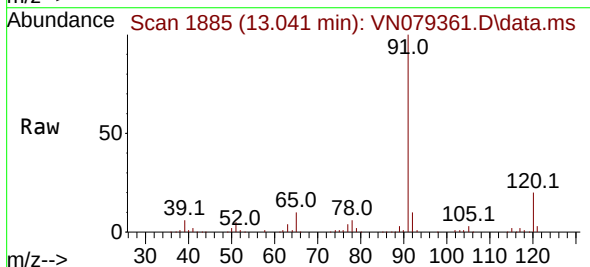
Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

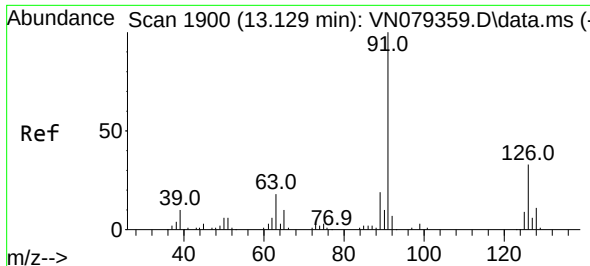


#74  
n-propylbenzene  
Concen: 20.413 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Tgt Ion: 91 Resp: 253237  
Ion Ratio Lower Upper  
91 100  
120 20.8 0.0 42.0







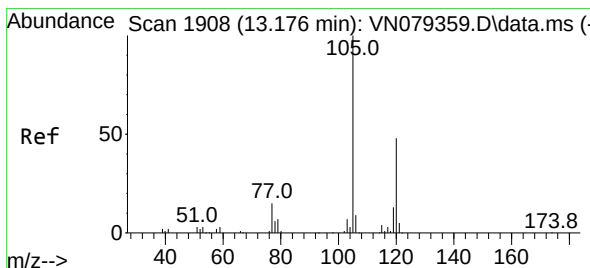
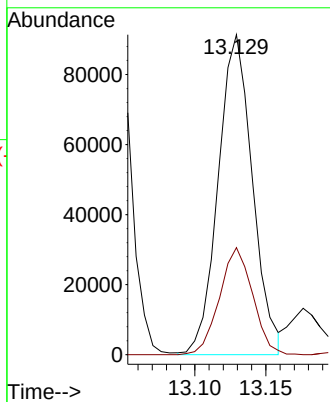
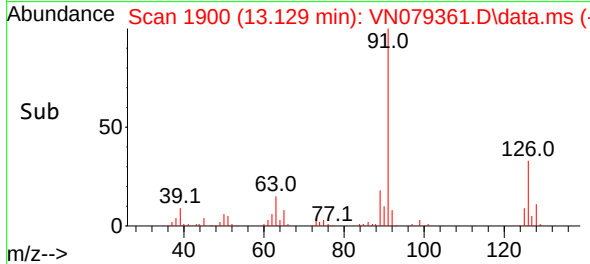
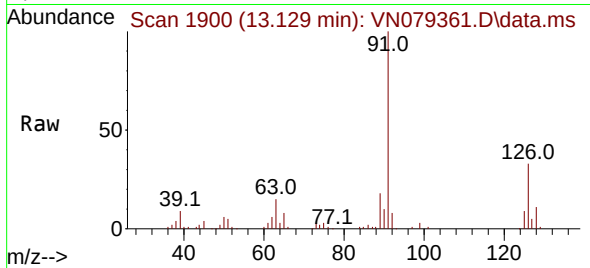
#75  
2-Chlorotoluene  
Concen: 20.235 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723

Tgt Ion: 91 Resp: 15327  
Ion Ratio Lower Upper  
91 100  
126 32.3 0.0 64.6

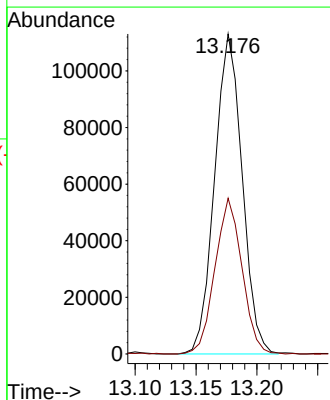
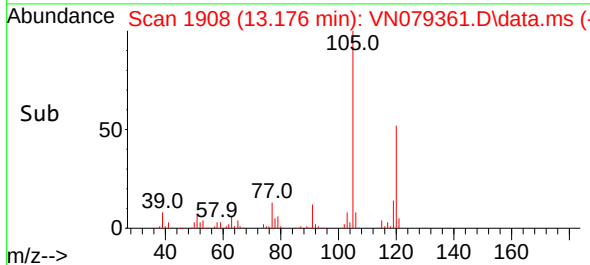
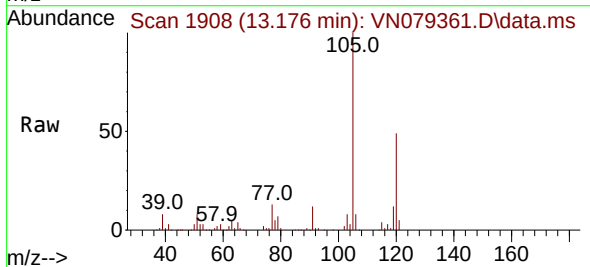
Manual Integrations  
APPROVED

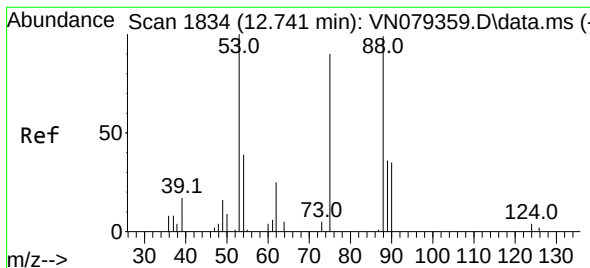
Reviewed By :John Carbone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#76  
1,3,5-Trimethylbenzene  
Concen: 20.421 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

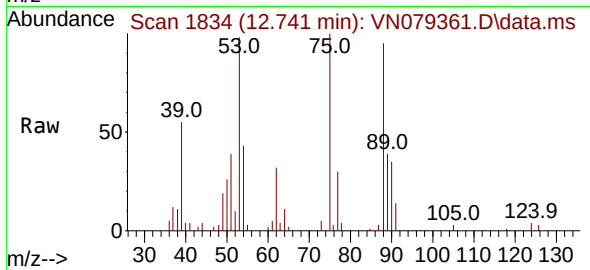
Tgt Ion:105 Resp: 177850  
Ion Ratio Lower Upper  
105 100  
120 47.7 0.0 93.2





#77  
t-1,4-Dichloro-2-butene  
Concen: 20.826 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

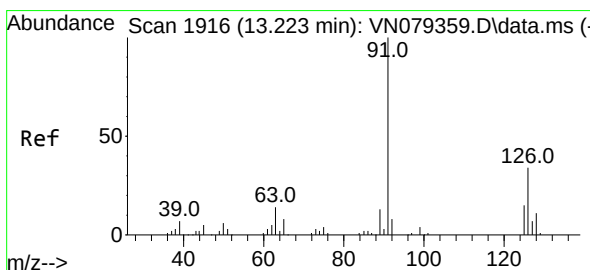
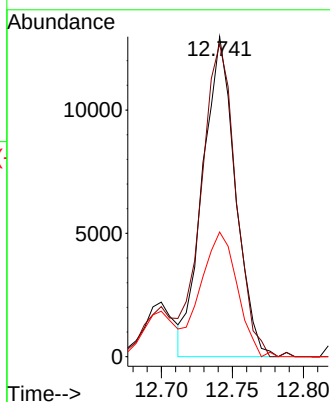
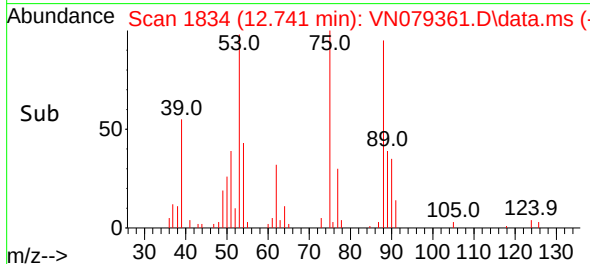
Instrument : MSVOA\_N  
ClientSampleId : ICVVN092723



Tgt Ion: 75 Resp: 20723  
Ion Ratio Lower Upper  
75 100  
53 97.8 53.0 159.1  
89 39.0 22.6 67.7

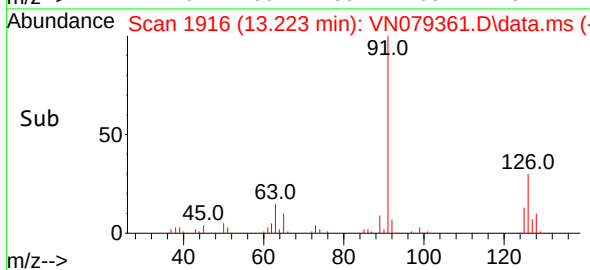
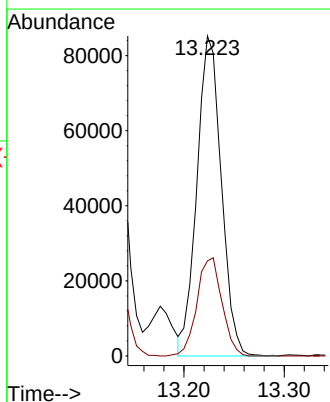
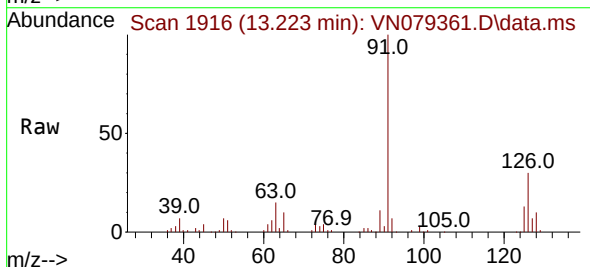
Manual Integrations  
APPROVED

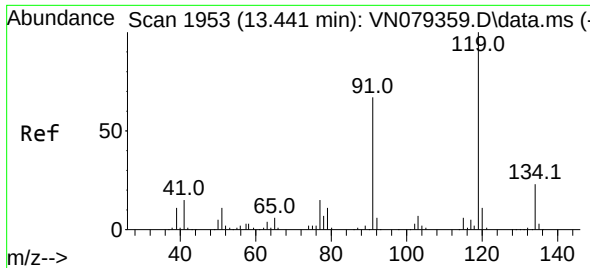
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#78  
4-Chlorotoluene  
Concen: 20.512 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Tgt Ion: 91 Resp: 144378  
Ion Ratio Lower Upper  
91 100  
126 31.5 0.0 65.4





#79  
tert-butylbenzene  
Concen: 19.718 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN092723

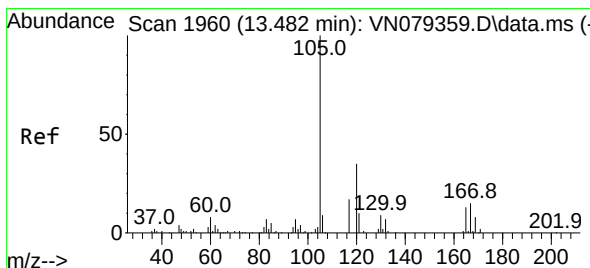
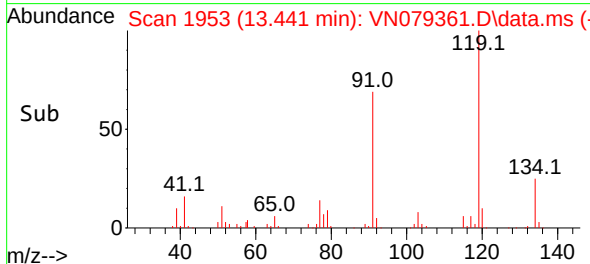
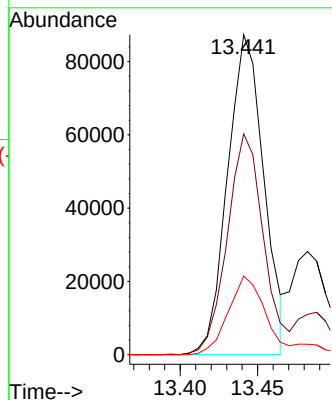
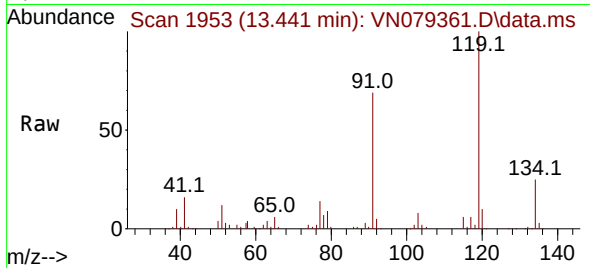
Tgt Ion:119 Resp: 142272  
Ion Ratio Lower Upper  
119 100  
91 69.3 0.0 140.6  
134 24.8 0.0 49.8

Manual Integrations

APPROVED

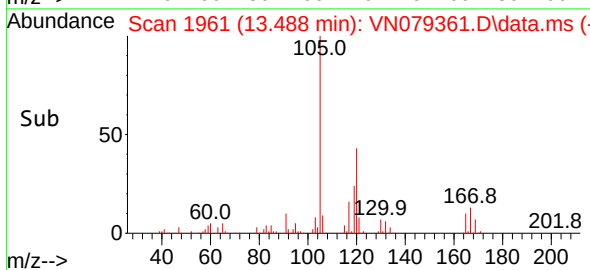
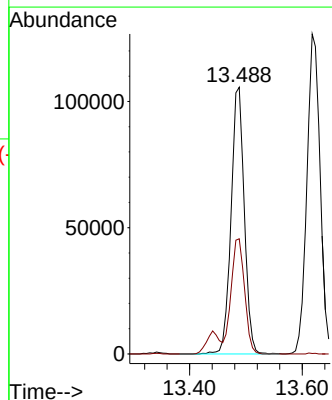
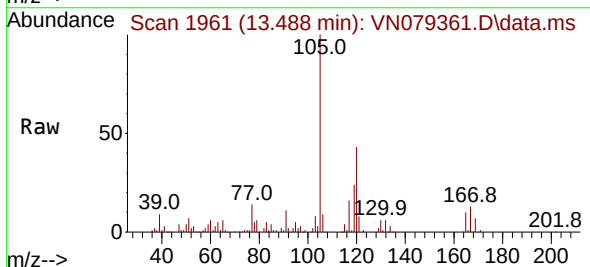
Reviewed By :John Carlone 09/28/2023

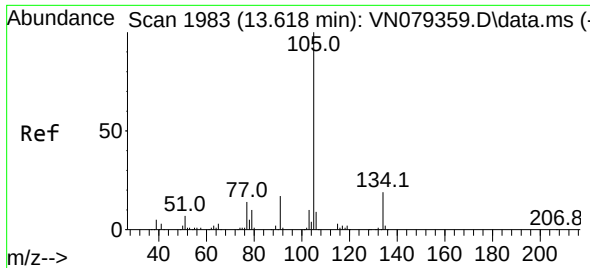
Supervised By :Semsettin Yesilyurt 09/28/2023



#80  
1,2,4-Trimethylbenzene  
Concen: 20.242 ug/l m  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

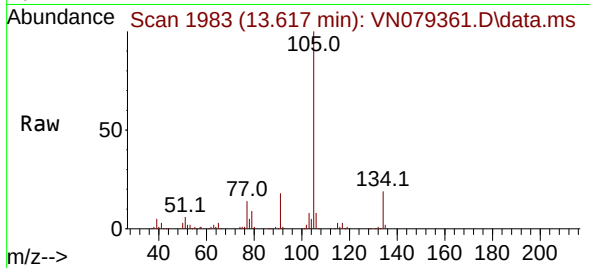
Tgt Ion:105 Resp: 172458  
Ion Ratio Lower Upper  
105 100  
120 43.9 0.0 88.6





#81  
 sec-Butylbenzene  
 Concen: 19.899 ug/l  
 RT: 13.617 min Scan# 1983  
 Delta R.T. -0.000 min  
 Lab File: VN079361.D  
 Acq: 27 Sep 2023 12:30

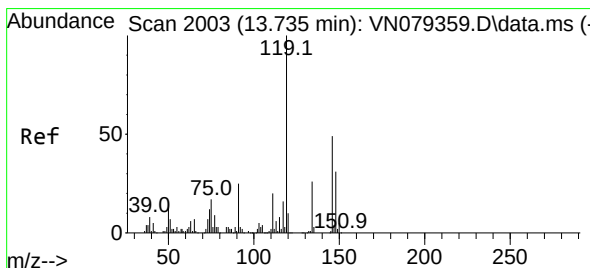
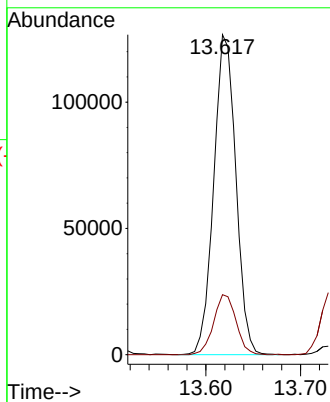
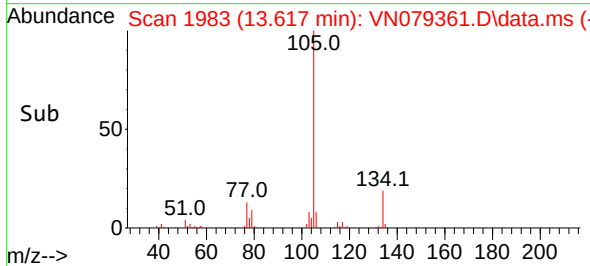
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN092723



Tgt Ion:105 Resp: 20599  
 Ion Ratio Lower Upper  
 105 100  
 134 19.0 0.0 38.2

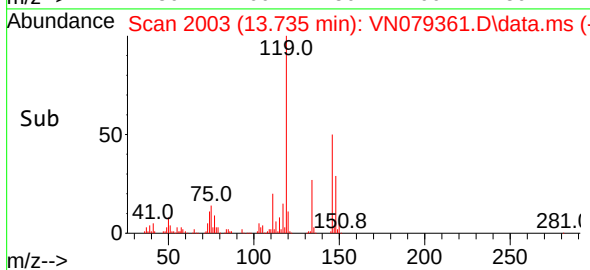
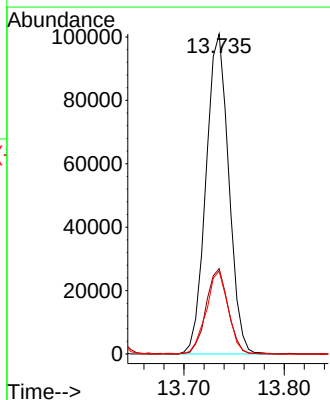
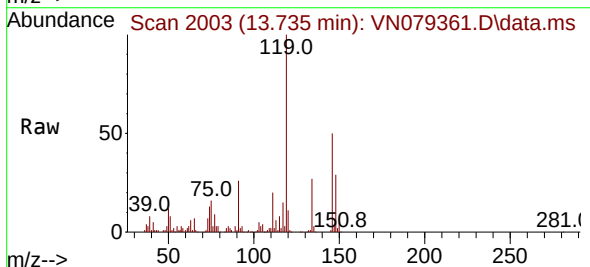
Manual Integrations  
 APPROVED

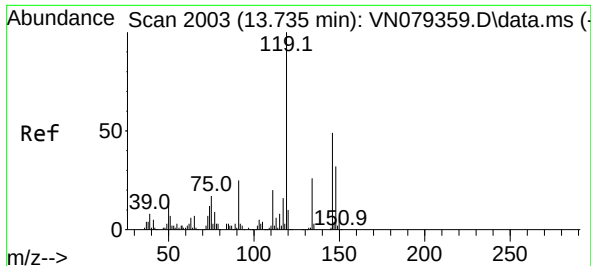
Reviewed By :John Carlone 09/28/2023  
 Supervised By :Semsettin Yesilyurt 09/28/2023



#82  
 p-Isopropyltoluene  
 Concen: 19.430 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. -0.000 min  
 Lab File: VN079361.D  
 Acq: 27 Sep 2023 12:30

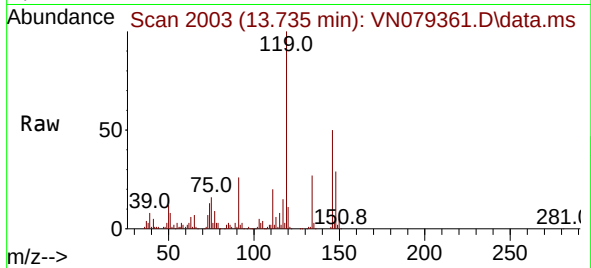
Tgt Ion:119 Resp: 159461  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 0.0 52.2  
 91 25.0 0.0 50.0





#83  
1,3-Dichlorobenzene  
Concen: 20.206 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

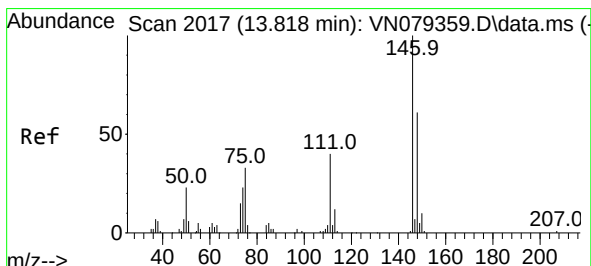
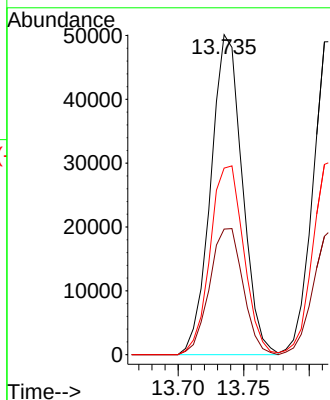
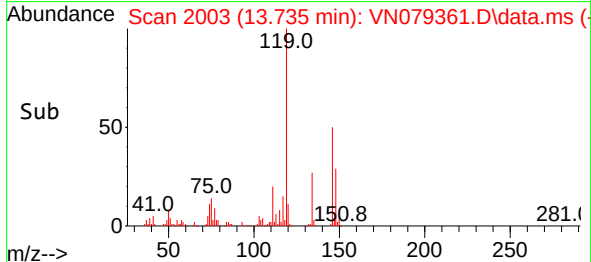
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



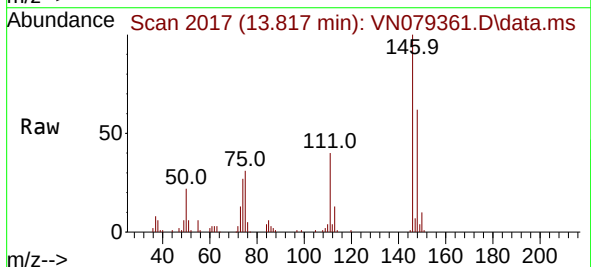
Tgt Ion:146 Resp: 83839  
Ion Ratio Lower Upper  
146 100  
111 41.9 21.0 63.0  
148 62.9 32.4 97.0

Manual Integrations  
APPROVED

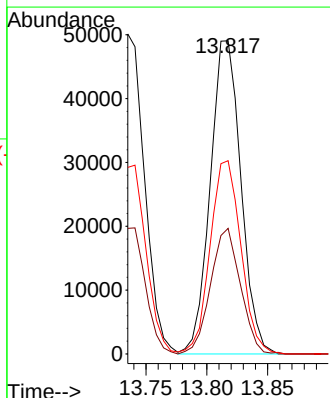
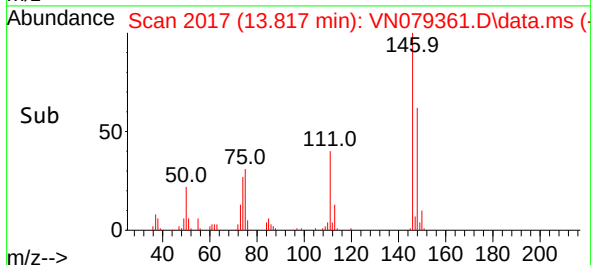
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023

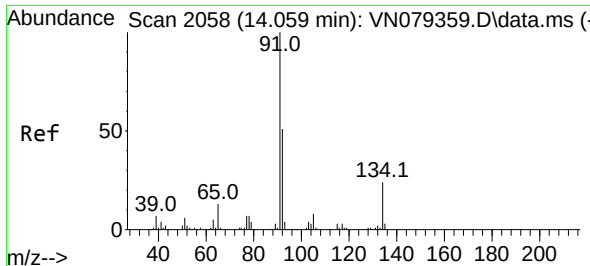


#84  
1,4-Dichlorobenzene  
Concen: 22.166 ug/l  
RT: 13.817 min Scan# 2017  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30



Tgt Ion:146 Resp: 86202  
Ion Ratio Lower Upper  
146 100  
111 38.9 19.9 59.7  
148 61.9 32.6 97.7





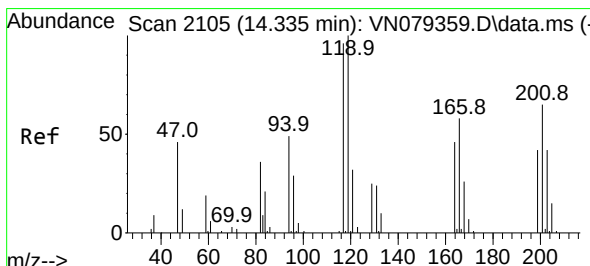
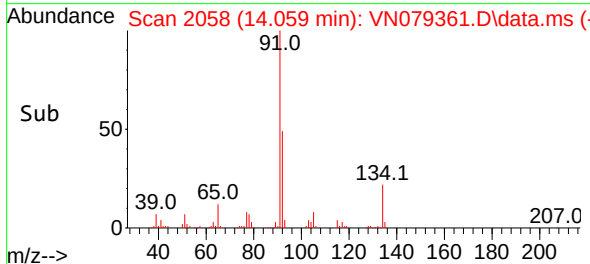
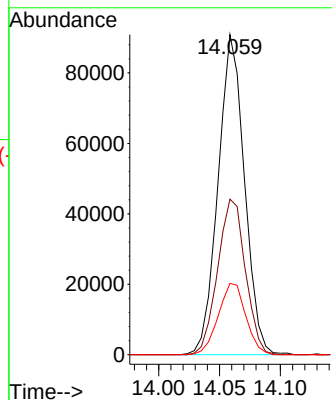
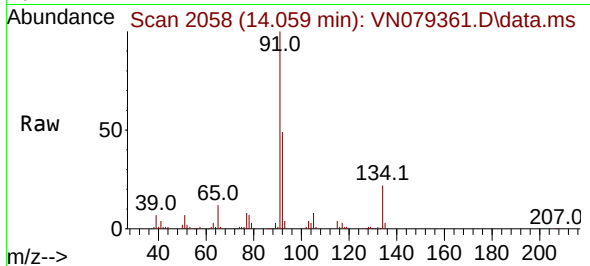
#85  
n-Butylbenzene  
Concen: 21.782 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723

Tgt Ion: 91 Resp: 137050  
Ion Ratio Lower Upper  
91 100  
92 51.0 0.0 99.6  
134 23.2 0.0 46.2

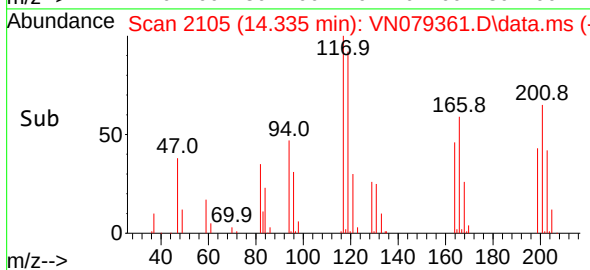
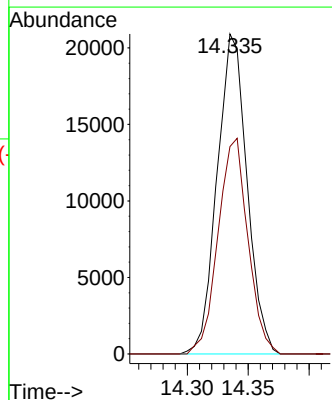
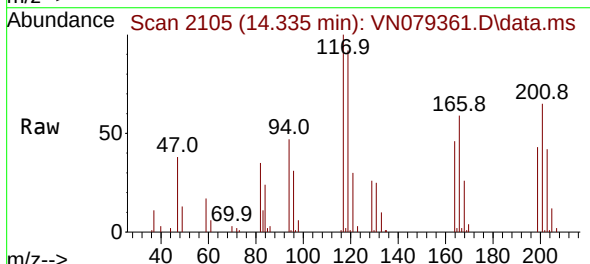
Manual Integrations  
APPROVED

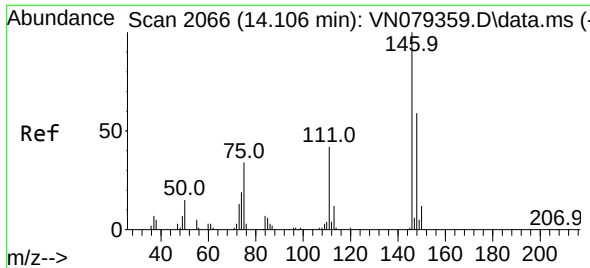
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#86  
Hexachloroethane  
Concen: 21.008 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

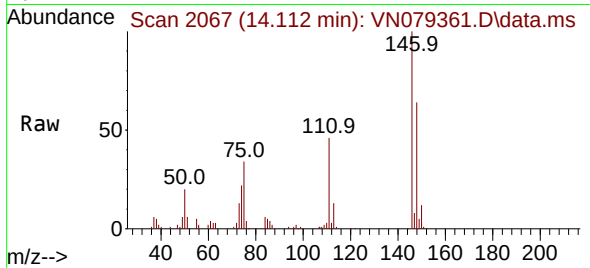
Tgt Ion:117 Resp: 35720  
Ion Ratio Lower Upper  
117 100  
201 67.4 32.5 97.5





#87  
1,2-Dichlorobenzene  
Concen: 21.881 ug/l  
RT: 14.112 min Scan# 2067  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

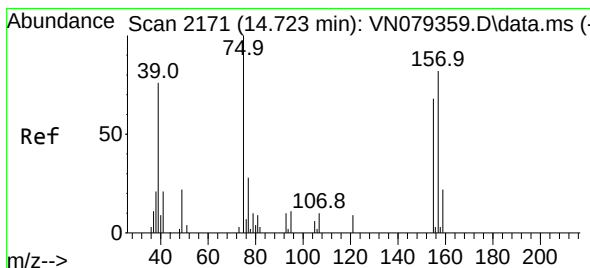
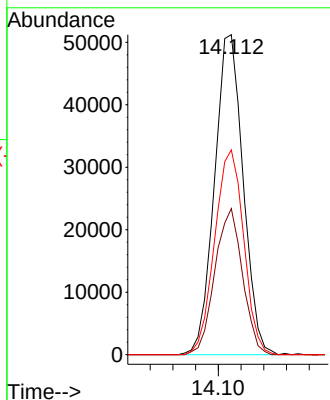
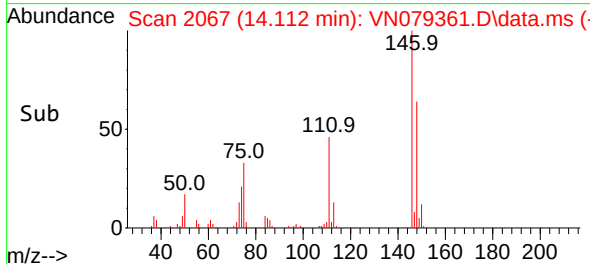
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion:146 Resp: 8967  
Ion Ratio Lower Upper  
146 100  
111 44.1 22.0 66.0  
148 64.9 31.1 93.5

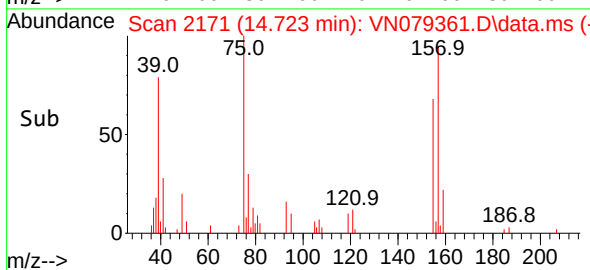
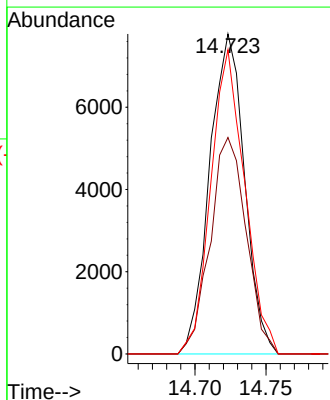
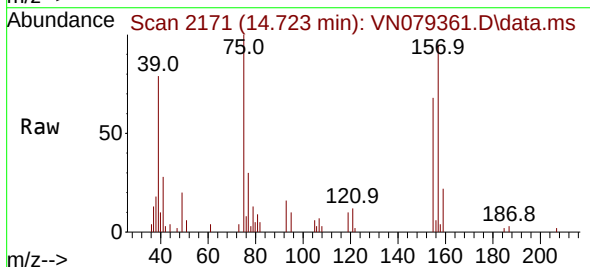
Manual Integrations  
APPROVED

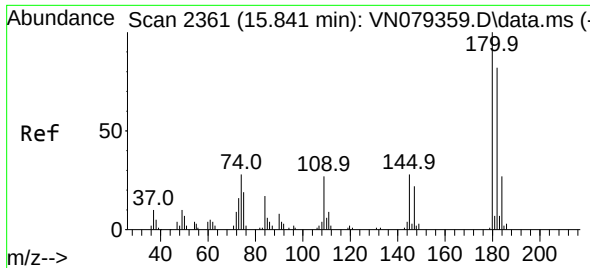
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 22.906 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

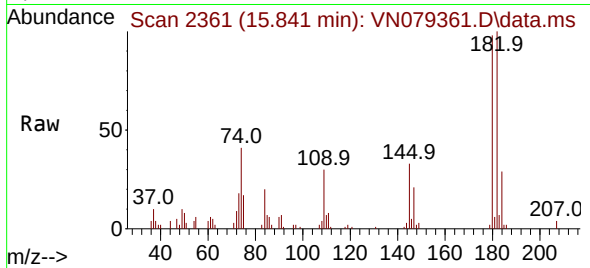
Tgt Ion: 75 Resp: 13268  
Ion Ratio Lower Upper  
75 100  
155 70.1 60.7 91.1  
157 92.6 76.8 115.2





#89  
1,2,4-Trichlorobenzene  
Concen: 18.101 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

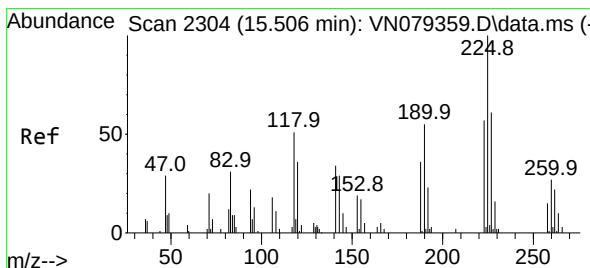
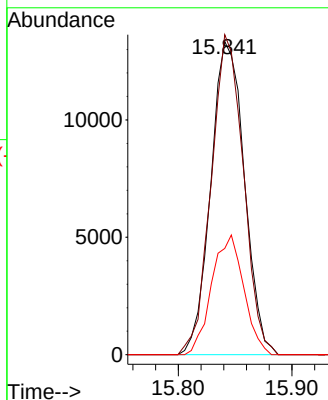
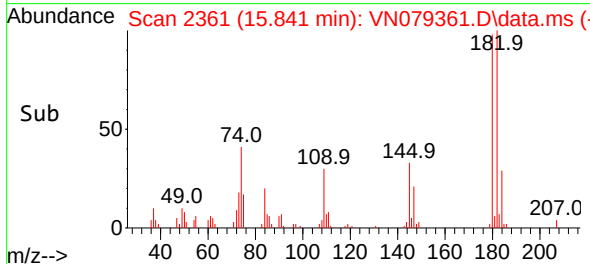
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



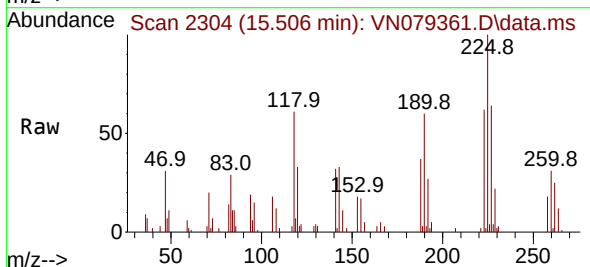
Tgt Ion:180 Resp: 27389  
Ion Ratio Lower Upper  
180 100  
182 97.9 74.2 111.4  
145 36.4 25.4 38.2

Manual Integrations  
APPROVED

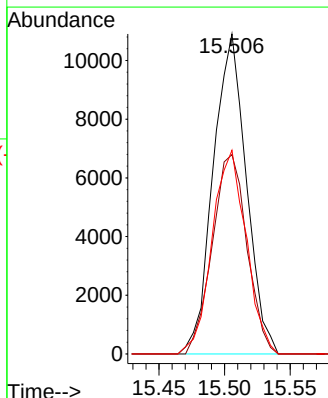
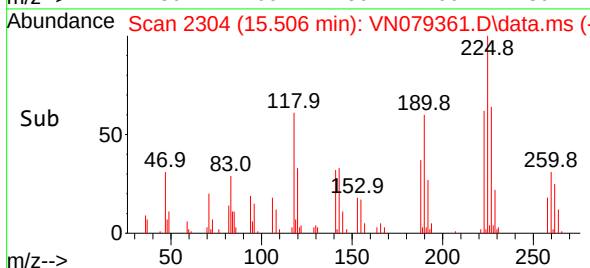
Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



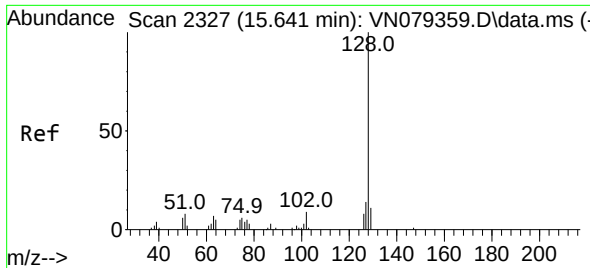
#90  
Hexachlorobutadiene  
Concen: 17.546 ug/l  
RT: 15.506 min Scan# 2304  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30



Tgt Ion:225 Resp: 19139  
Ion Ratio Lower Upper  
225 100  
223 65.2 0.0 126.0  
227 65.3 0.0 127.0

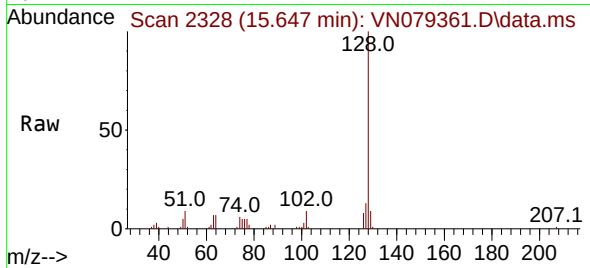






#91  
Naphthalene  
Concen: 17.355 ug/l  
RT: 15.647 min Scan# 2327  
Delta R.T. 0.006 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

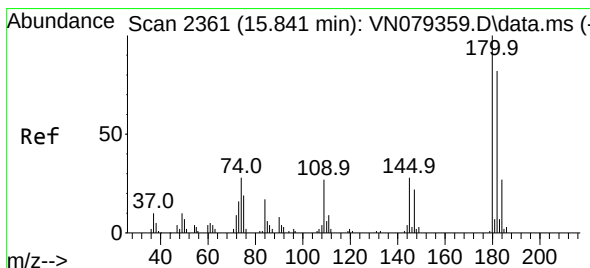
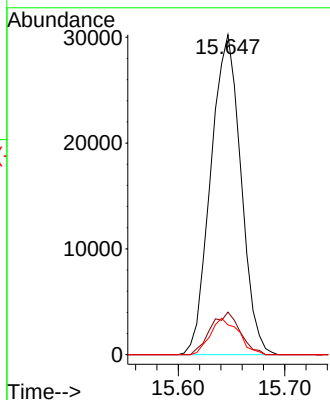
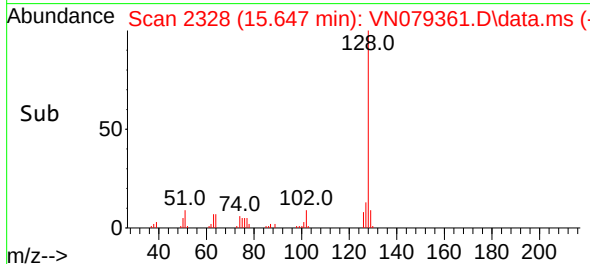
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN092723



Tgt Ion:128 Resp: 59554  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.9 16.3  
129 10.7 8.6 12.8

Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/28/2023  
Supervised By :Semsettin Yesilyurt 09/28/2023



#92  
1,2,3-Trichlorobenzene  
Concen: 18.100 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. -0.000 min  
Lab File: VN079361.D  
Acq: 27 Sep 2023 12:30

Tgt Ion:180 Resp: 27389  
Ion Ratio Lower Upper  
180 100  
182 97.9 0.0 185.6  
145 36.4 0.0 63.6

