

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080223\  
 Data File : VN078738.D  
 Acq On : 02 Aug 2023 19:39  
 Operator : JC\MD  
 Sample : 03884-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 002-35TH-AVE(JUNE)

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 08/03/2023  
 Supervised By :Semsettin Yesilyurt 08/03/2023

Quant Time: Aug 03 05:33:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N080123W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 02 04:51:47 2023  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Bromochloromethane       | 7.824          | 128  | 99102      | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.106          | 114  | 525107     | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.870         | 117  | 452479     | 30.000  | ug/l   | 0.00     |
|                             |                |      |            |         |        |          |
| System Monitoring Compounds |                |      |            |         |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.588          | 65   | 221779     | 29.855  | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 110 |      | Recovery = | 99.500% |        |          |
| 60) 4-Bromofluorobenzene    | 12.853         | 95   | 152405     | 22.475  | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 63 - 112 |      | Recovery = | 74.933% |        |          |
| 63) Toluene-d8              | 10.576         | 98   | 647654     | 28.975  | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 112 |      | Recovery = | 96.567% |        |          |
|                             |                |      |            |         |        |          |
| Target Compounds            |                |      |            |         |        |          |
|                             |                |      |            |         |        | Qvalue   |
| 15) Acetone                 | 4.442          | 58   | 340657     | 448.360 | ug/l   | 91       |
| 25) Chloroform              | 7.977          | 83   | 294023     | 24.709  | ug/l   | 93       |
| 30) 2-Butanone              | 7.494          | 43   | 74148      | 24.276  | ug/l   | 100      |
| 41) Bromodichloromethane    | 9.894          | 83   | 21456      | 2.492   | ug/l # | 94       |
| 58) 4-Methyl-2-Pentanone    | 10.459         | 43   | 14813      | 2.187   | ug/l   | 96       |
| 62) Toluene                 | 10.635         | 91   | 6345550    | 233.146 | ug/l   | 99       |
| 67) m/p-Xylenes             | 12.076         | 106  | 4227m      | 0.403   | ug/l   |          |
| 82) p-Isopropyltoluene      | 13.735         | 119  | 26058      | 1.222   | ug/l   | 98       |
| -----                       |                |      |            |         |        |          |

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

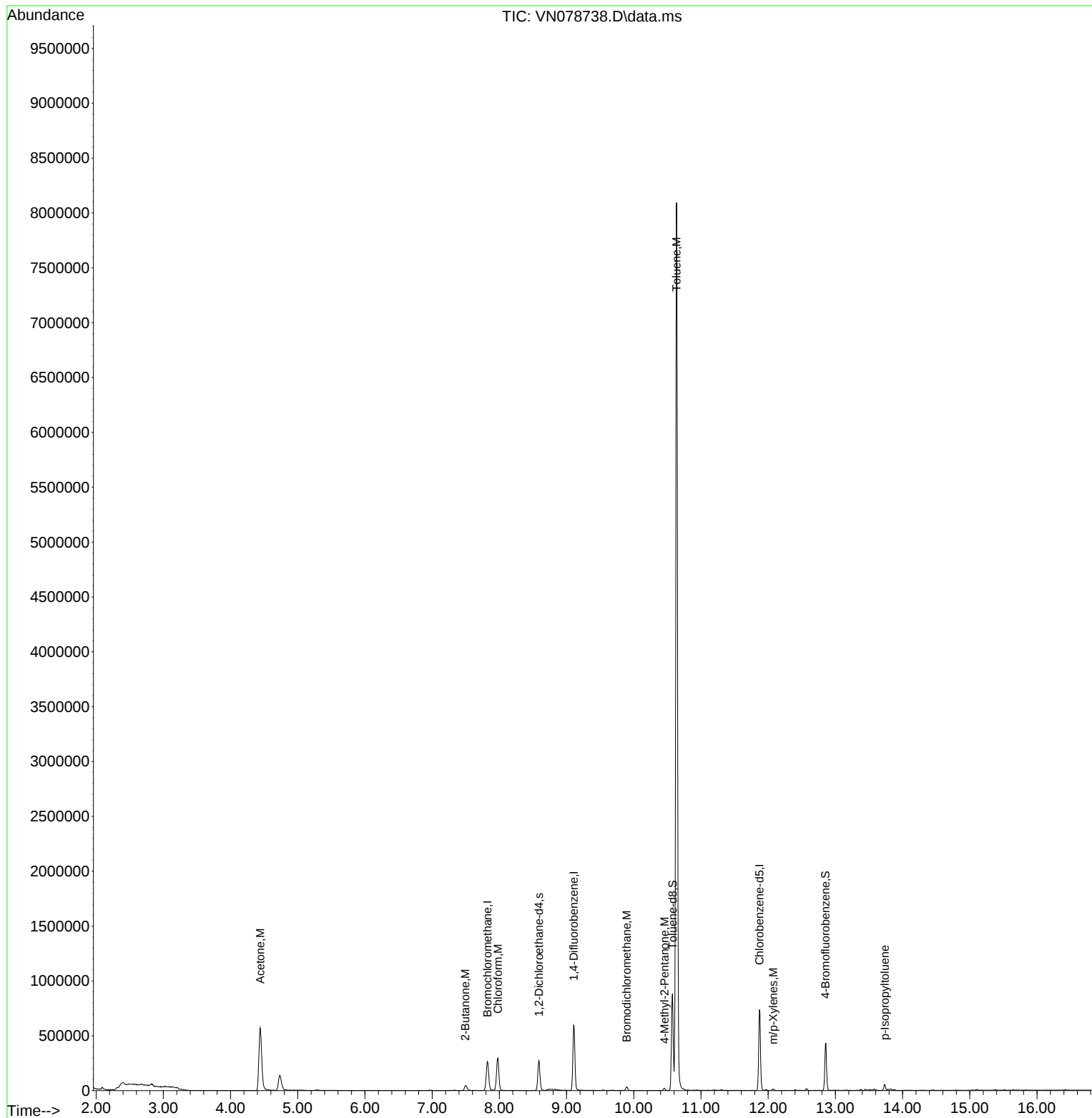
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080223\  
Data File : VN078738.D  
Acq On : 02 Aug 2023 19:39  
Operator : JC\MD  
Sample : 03884-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 14 Sample Multiplier: 1

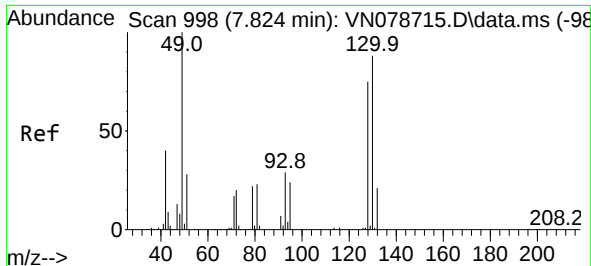
Instrument :  
MSVOA\_N  
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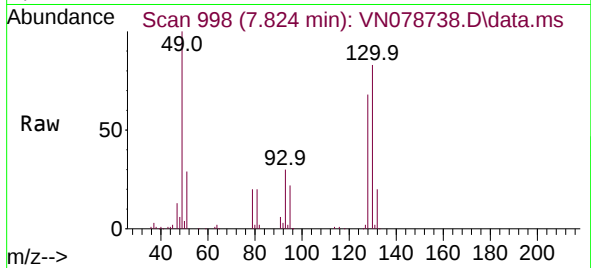
Quant Time: Aug 03 05:33:56 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N080123W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Aug 02 04:51:47 2023  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.824 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: VN078738.D  
Acq: 02 Aug 2023 19:39

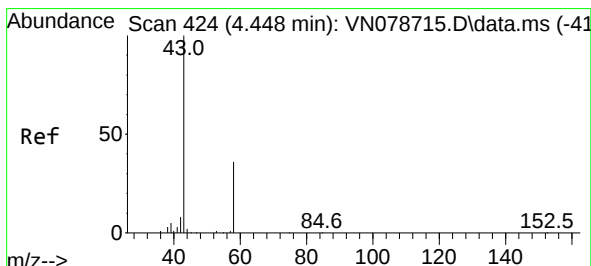
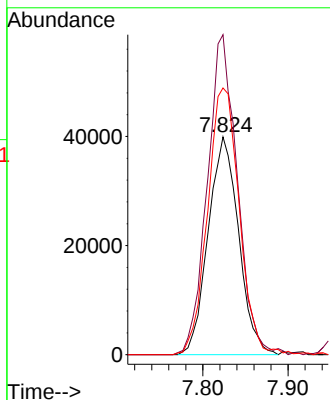
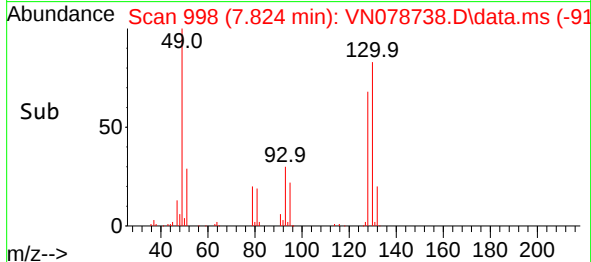
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(JUNE)



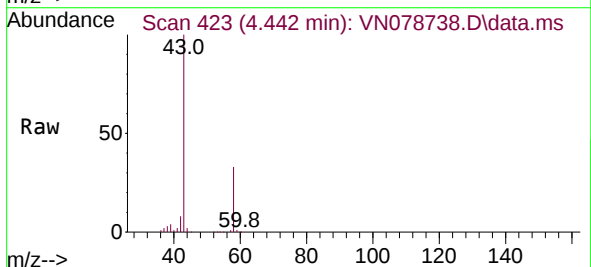
Tgt Ion:128 Resp: 99102  
Ion Ratio Lower Upper  
128 100  
49 143.9 0.0 370.8  
130 126.5 0.0 307.0

Manual Integrations  
APPROVED

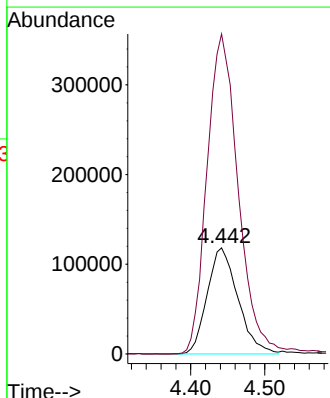
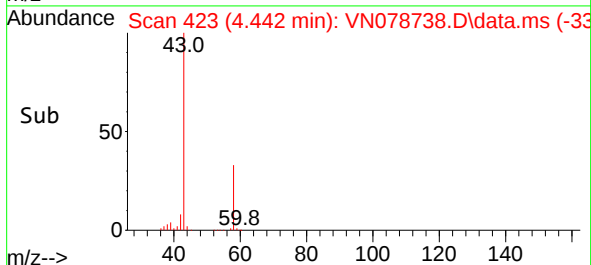
Reviewed By :John Carlone 08/03/2023  
Supervised By :Semsettin Yesilyurt 08/03/2023

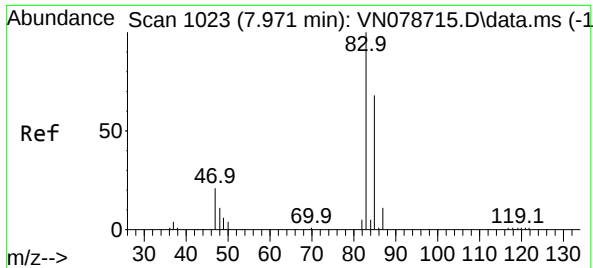


#15  
Acetone  
Concen: 448.360 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. -0.006 min  
Lab File: VN078738.D  
Acq: 02 Aug 2023 19:39



Tgt Ion: 58 Resp: 340657  
Ion Ratio Lower Upper  
58 100  
43 301.2 227.5 341.3





#25

Chloroform

Concen: 24.709 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN078738.D

Acq: 02 Aug 2023 19:39

Instrument :

MSVOA\_N

ClientSampleId :

002-35TH-AVE(JUNE)

Tgt Ion: 83 Resp: 29402

Ion Ratio Lower Upper

83 100

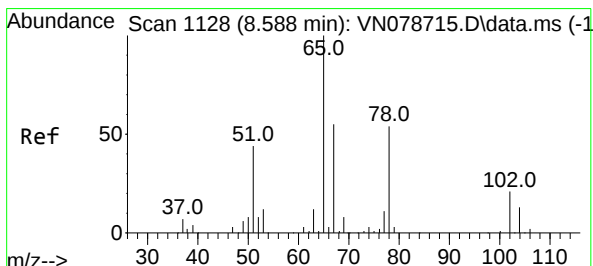
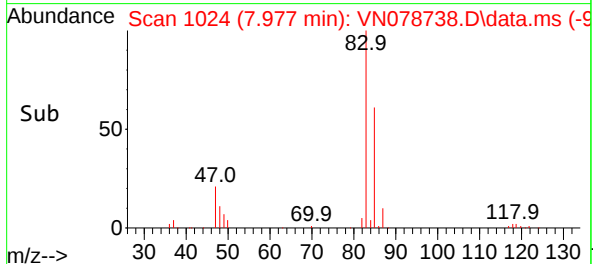
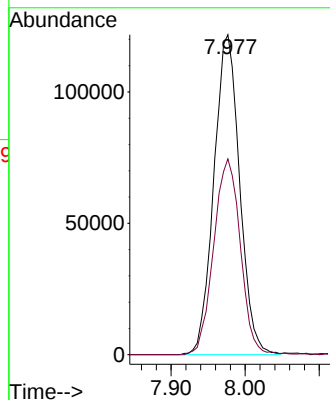
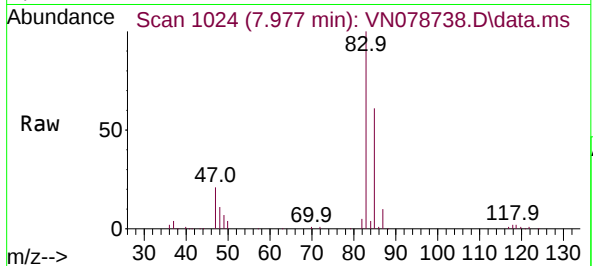
85 61.2 53.4 80.0

Manual Integrations

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#27

1,2-Dichloroethane-d4

Concen: 29.855 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN078738.D

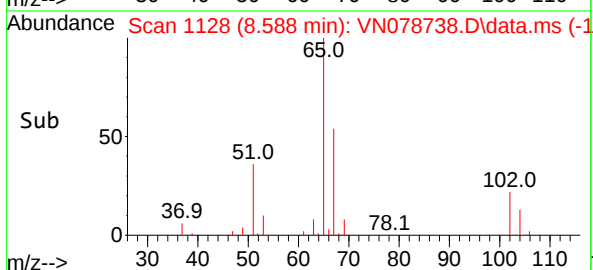
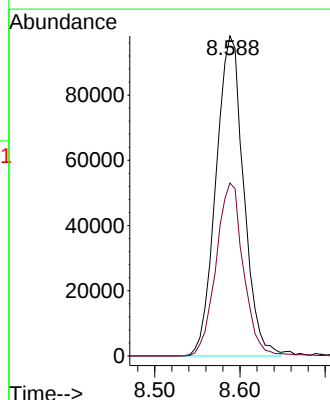
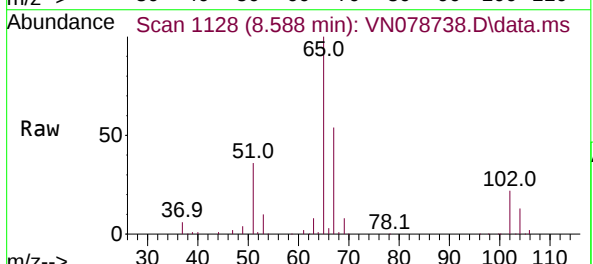
Acq: 02 Aug 2023 19:39

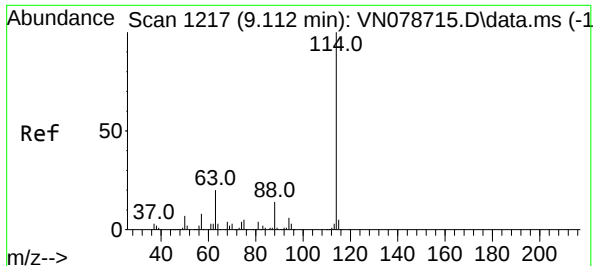
Tgt Ion: 65 Resp: 221779

Ion Ratio Lower Upper

65 100

67 53.4 42.9 64.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. -0.006 min

Lab File: VN078738.D

Acq: 02 Aug 2023 19:39

Instrument :

MSVOA\_N

ClientSampleId :

002-35TH-AVE(JUNE)

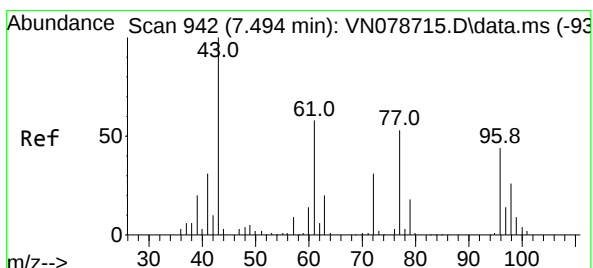
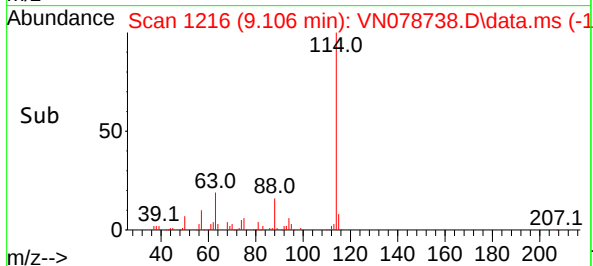
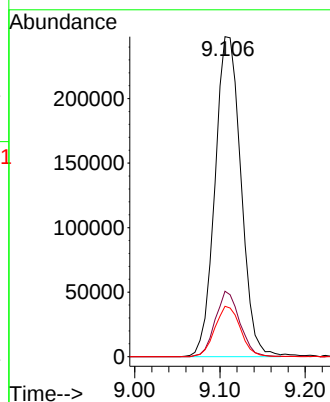
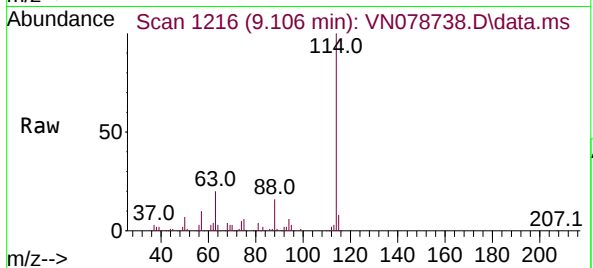
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 52510 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 19.2  | 15.2  | 22.8  |
| 88        | 15.5  | 12.5  | 18.7  |

Manual Integrations

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#30

2-Butanone

Concen: 24.276 ug/l

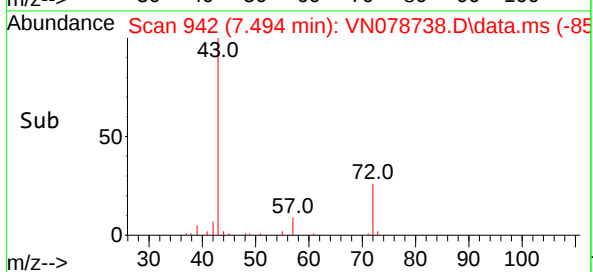
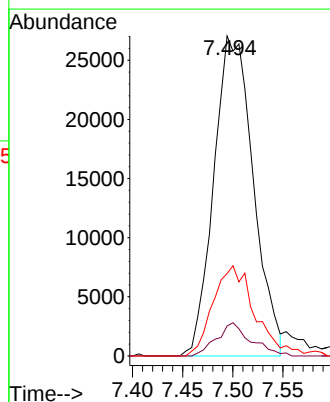
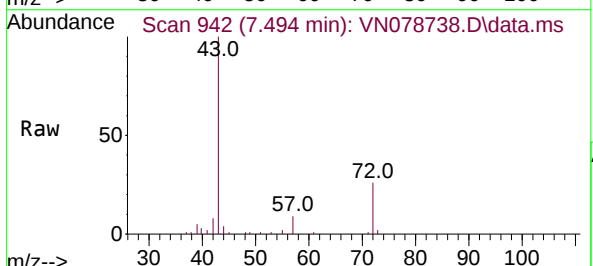
RT: 7.494 min Scan# 942

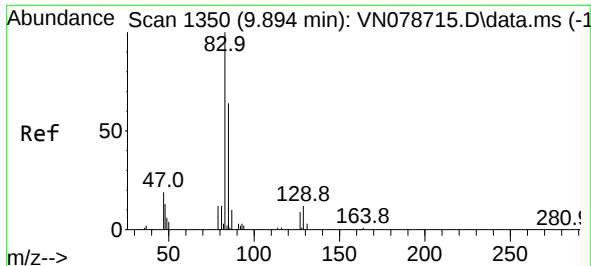
Delta R.T. -0.000 min

Lab File: VN078738.D

Acq: 02 Aug 2023 19:39

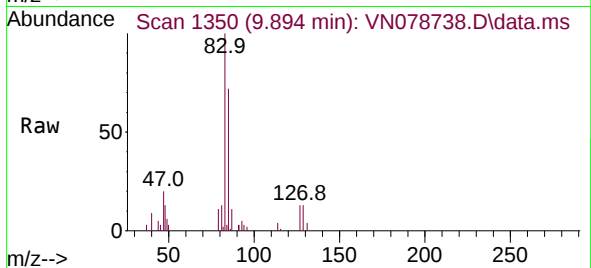
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 74148 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 57        | 7.8   | 6.8   | 10.2  |
| 72        | 29.7  | 23.8  | 35.6  |





#41  
Bromodichloromethane  
Concen: 2.492 ug/l  
RT: 9.894 min Scan# 1350  
Delta R.T. -0.000 min  
Lab File: VN078738.D  
Acq: 02 Aug 2023 19:39

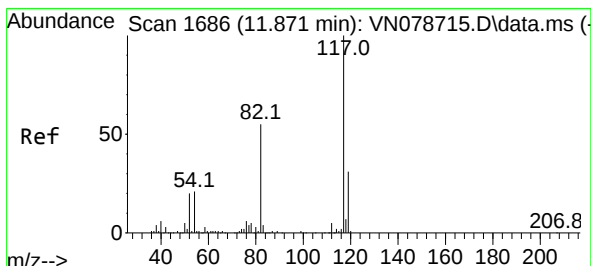
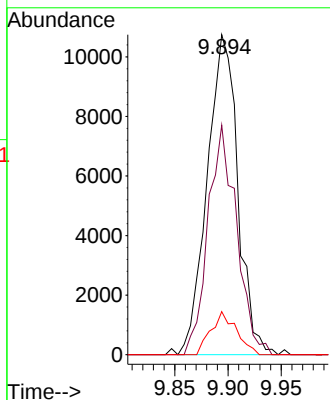
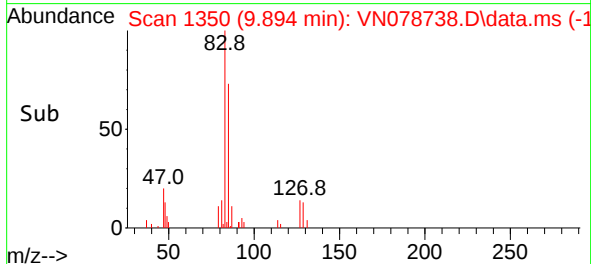
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(JUNE)



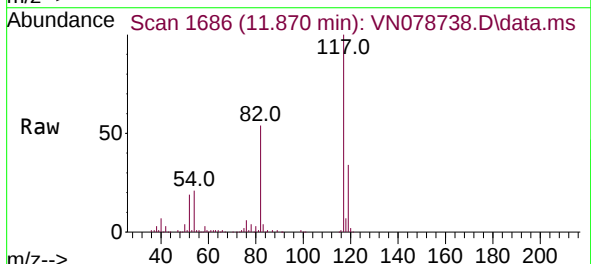
Tgt Ion: 83 Resp: 21450  
Ion Ratio Lower Upper  
83 100  
85 71.7 54.1 81.1  
127 13.5 7.8 11.6

Manual Integrations  
APPROVED

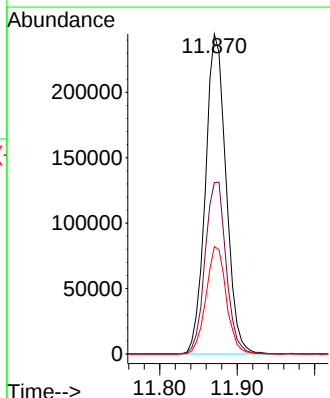
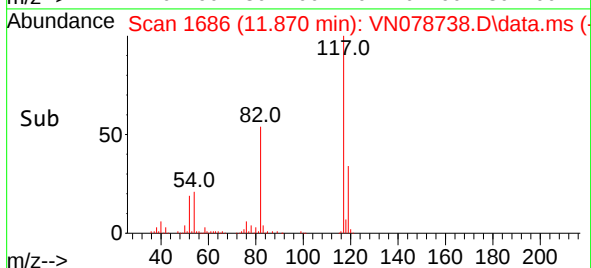
Reviewed By :John Carlone 08/03/2023  
Supervised By :Semsettin Yesilyurt 08/03/2023

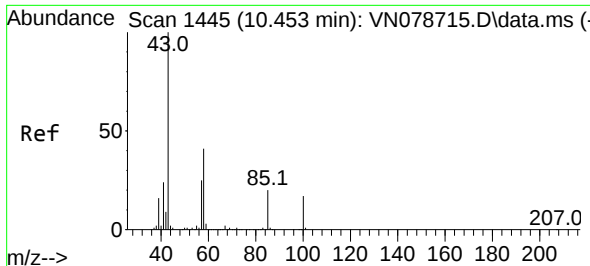


#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN078738.D  
Acq: 02 Aug 2023 19:39



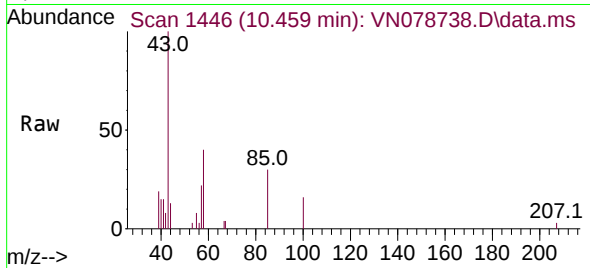
Tgt Ion:117 Resp: 452479  
Ion Ratio Lower Upper  
117 100  
82 54.8 43.9 65.9  
119 33.1 26.2 39.4





#58  
4-Methyl-2-Pentanone  
Concen: 2.187 ug/l  
RT: 10.459 min Scan# 1446  
Delta R.T. 0.006 min  
Lab File: VN078738.D  
Acq: 02 Aug 2023 19:39

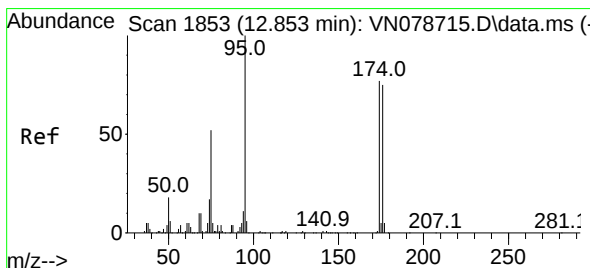
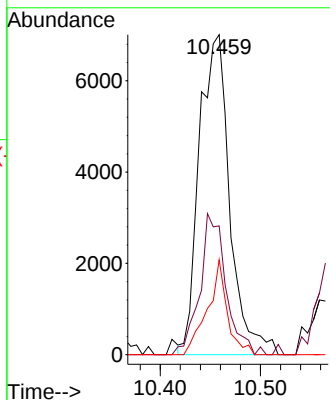
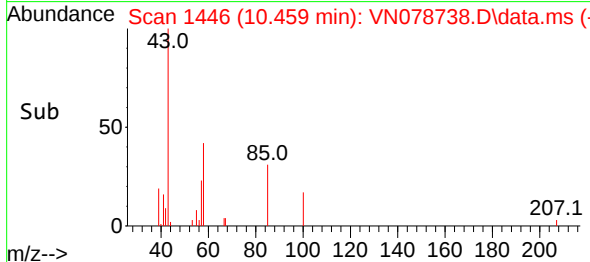
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(JUNE)



Tgt Ion: 43 Resp: 1481  
Ion Ratio Lower Upper  
43 100  
58 37.5 32.6 48.8  
85 19.2 16.2 24.2

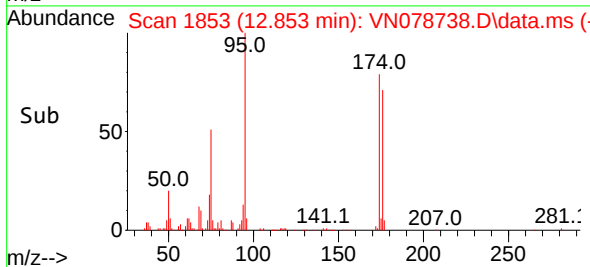
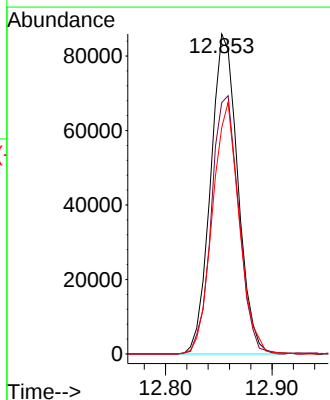
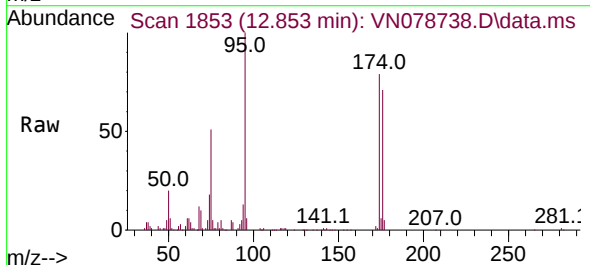
Manual Integrations  
APPROVED

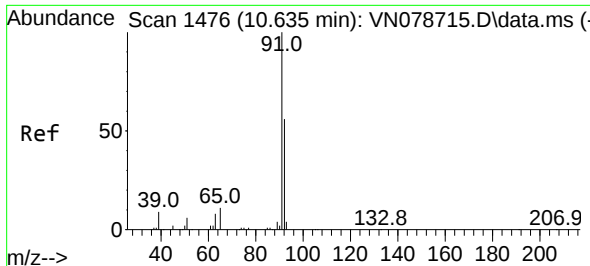
Reviewed By :John Carlone 08/03/2023  
Supervised By :Semsettin Yesilyurt 08/03/2023



#60  
4-Bromofluorobenzene  
Concen: 22.475 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078738.D  
Acq: 02 Aug 2023 19:39

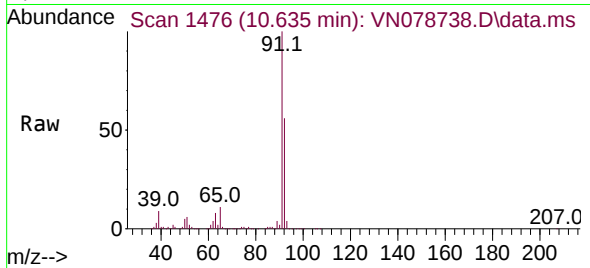
Tgt Ion: 95 Resp: 152405  
Ion Ratio Lower Upper  
95 100  
174 81.1 61.7 92.5  
176 77.4 58.1 87.1





#62  
Toluene  
Concen: 233.146 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VN078738.D  
Acq: 02 Aug 2023 19:39

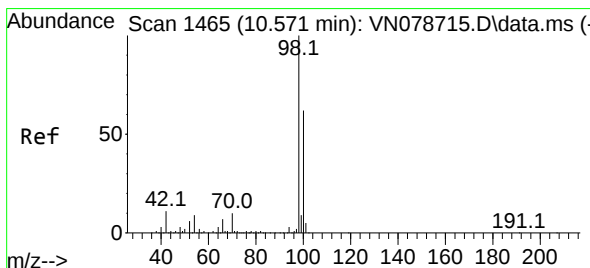
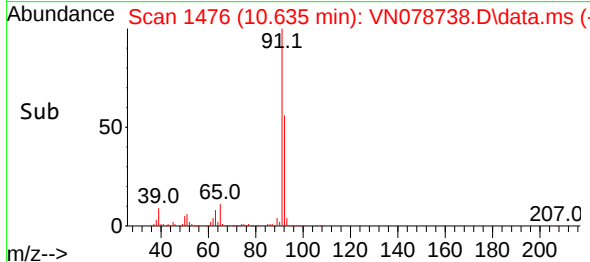
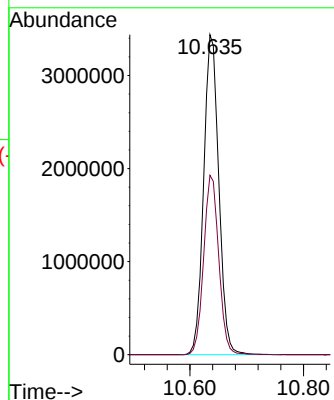
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(JUNE)



Tgt Ion: 91 Resp: 6345550  
Ion Ratio Lower Upper  
91 100  
92 55.9 45.2 67.8

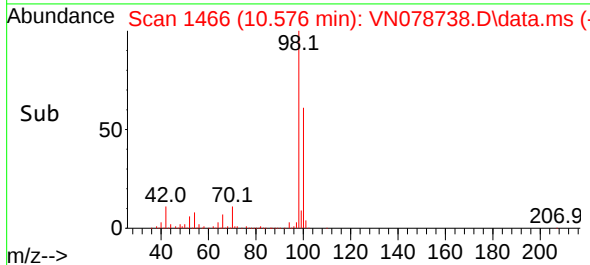
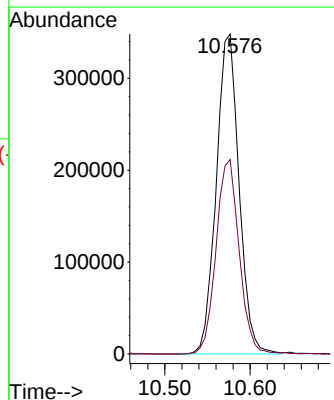
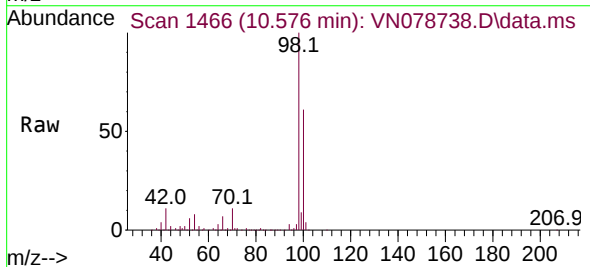
Manual Integrations  
APPROVED

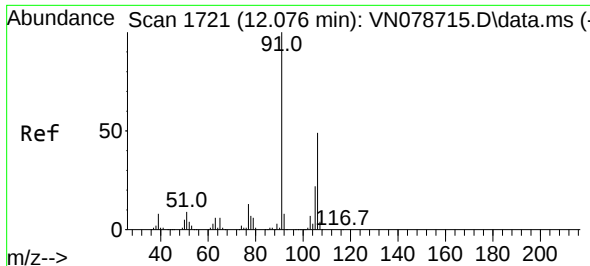
Reviewed By :John Carlone 08/03/2023  
Supervised By :Semsettin Yesilyurt 08/03/2023



#63  
Toluene-d8  
Concen: 28.975 ug/l  
RT: 10.576 min Scan# 1466  
Delta R.T. 0.006 min  
Lab File: VN078738.D  
Acq: 02 Aug 2023 19:39

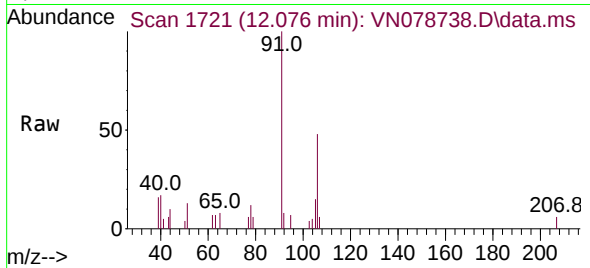
Tgt Ion: 98 Resp: 647654  
Ion Ratio Lower Upper  
98 100  
100 61.4 49.7 74.5





#67  
m/p-Xylenes  
Concen: 0.403 ug/l m  
RT: 12.076 min Scan# 1721  
Delta R.T. -0.000 min  
Lab File: VN078738.D  
Acq: 02 Aug 2023 19:39

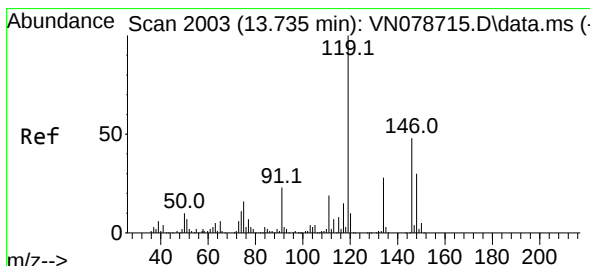
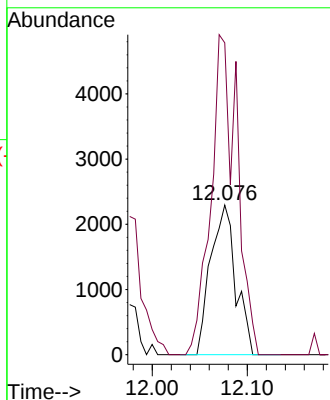
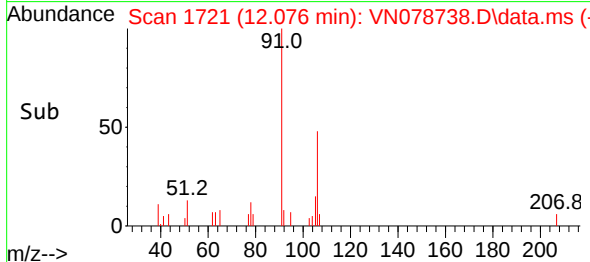
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(JUNE)



Tgt Ion:106 Resp: 422  
Ion Ratio Lower Upper  
106 100  
91 158.1 162.5 243.7

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/03/2023  
Supervised By :Semsettin Yesilyurt 08/03/2023



#82  
p-Isopropyltoluene  
Concen: 1.222 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. -0.000 min  
Lab File: VN078738.D  
Acq: 02 Aug 2023 19:39

Tgt Ion:119 Resp: 26058  
Ion Ratio Lower Upper  
119 100  
134 27.2 0.0 52.4  
91 25.6 0.0 48.2

