

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082423\  
 Data File : VN079037.D  
 Acq On : 24 Aug 2023 17:30  
 Operator : JC\MD  
 Sample : 04047-04 40X  
 Misc : 6.72g/5.0mL/100uL/5.0mL/MSVOA\_N/MEOH  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 NEVINS-SB05-Z83-84

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 08/25/2023  
 Supervised By :Semsettin Yesilyurt 08/25/2023

Quant Time: Aug 25 02:56:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081523W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 16 02:42:02 2023  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.230          | 168  | 295783     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106          | 114  | 518393     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870         | 117  | 491932     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 250040     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.588          | 65   | 197452     | 42.900   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 85.800%  |        |          |
| 35) Dibromofluoromethane    | 8.171          | 113  | 169949     | 48.702   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 97.400%  |        |          |
| 50) Toluene-d8              | 10.571         | 98   | 626019     | 48.315   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 96.640%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.853         | 95   | 245495     | 57.966   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 115.940% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 39) Methylcyclohexane       | 9.606          | 83   | 7960       | 1.649    | ug/l   | 93       |
| 40) Benzene                 | 8.612          | 78   | 2605793    | 167.949  | ug/l   | 100      |
| 52) Toluene                 | 10.635         | 92   | 2848327    | 299.010  | ug/l   | 98       |
| 67) Ethyl Benzene           | 11.970         | 91   | 7004338    | 367.825  | ug/l   | 98       |
| 68) m/p-Xylenes             | 12.070         | 106  | 1764635    | 247.854  | ug/l   | 97       |
| 69) o-Xylene                | 12.406         | 106  | 810518     | 117.029  | ug/l   | 96       |
| 73) Isopropylbenzene        | 12.700         | 105  | 136335     | 6.539    | ug/l   | 98       |
| 78) n-propylbenzene         | 13.041         | 91   | 218910     | 9.055    | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 13.176         | 105  | 504537     | 30.537   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.488         | 105  | 1860451    | 113.722  | ug/l   | 98       |
| 86) p-Isopropyltoluene      | 13.729         | 119  | 77233m     | 5.060    | ug/l   |          |
| 89) n-Butylbenzene          | 14.059         | 91   | 38057      | 3.030    | ug/l # | 76       |
| -----                       |                |      |            |          |        |          |

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

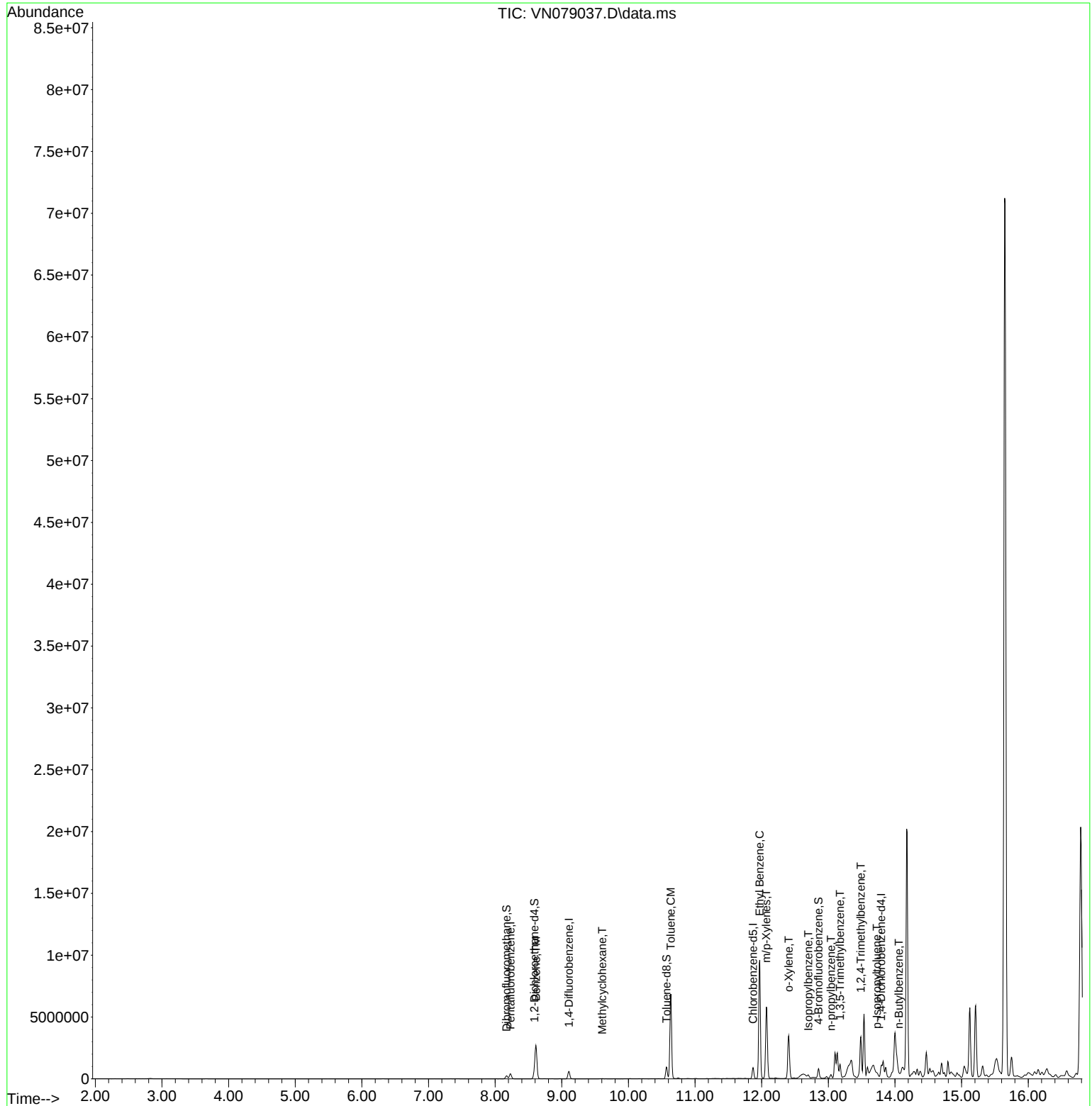
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082423\  
Data File : VN079037.D  
Acq On : 24 Aug 2023 17:30  
Operator : JC\MD  
Sample : 04047-04 40X  
Misc : 6.72g/5.0mL/100uL/5.0mL/MSVOA\_N/MEOH  
ALS Vial : 17 Sample Multiplier: 1

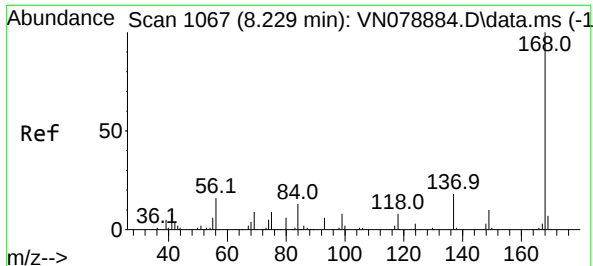
Instrument :  
MSVOA\_N  
ClientSampleId :  
NEVINS-SB05-Z83-84

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Supervised By :Semsettin Yesilyurt 08/25/2023

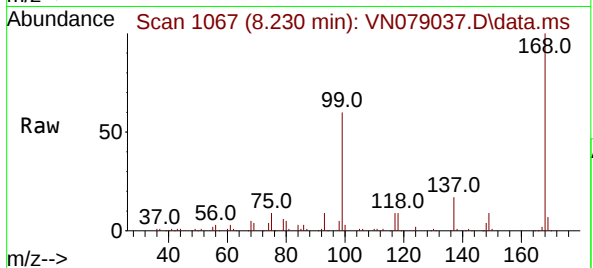
Quant Time: Aug 25 02:56:28 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081523W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 16 02:42:02 2023  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1107  
Delta R.T. -0.000 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30

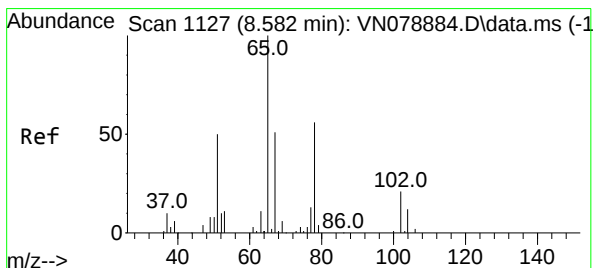
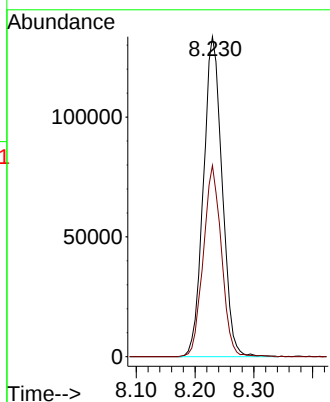
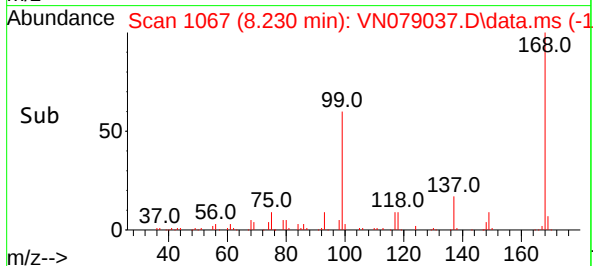
Instrument :  
MSVOA\_N  
ClientSampleId :  
NEVINS-SB05-Z83-84



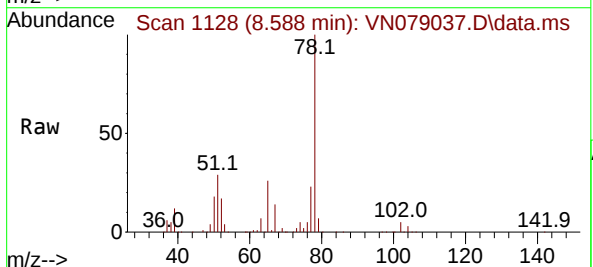
Tgt Ion:168 Resp: 29578  
Ion Ratio Lower Upper  
168 100  
99 59.8 53.0 79.6

Manual Integrations  
APPROVED

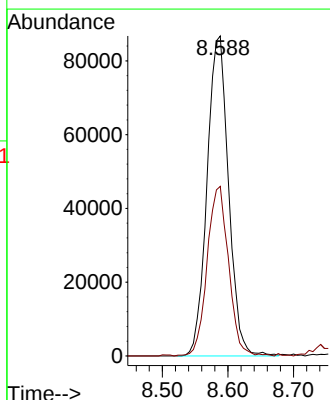
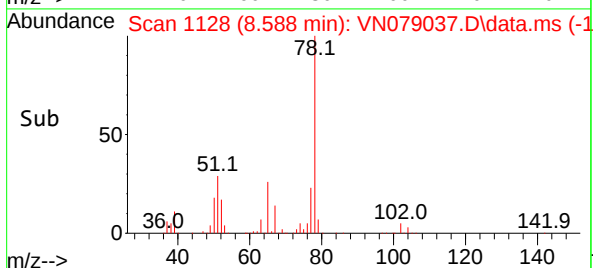
Reviewed By :Mahesh Dadoda 08/25/2023  
Supervised By :Semsettin Yesilyurt 08/25/2023

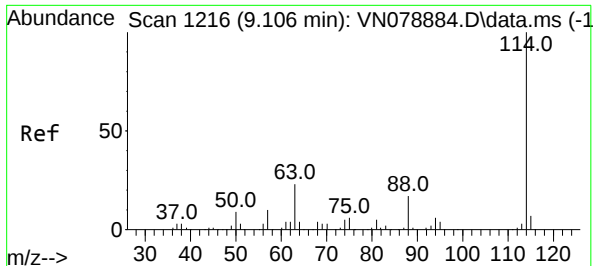


#33  
1,2-Dichloroethane-d4  
Concen: 42.900 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.005 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30



Tgt Ion: 65 Resp: 197452  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079037.D

Acq: 24 Aug 2023 17:30

Instrument :

MSVOA\_N

ClientSampleId :

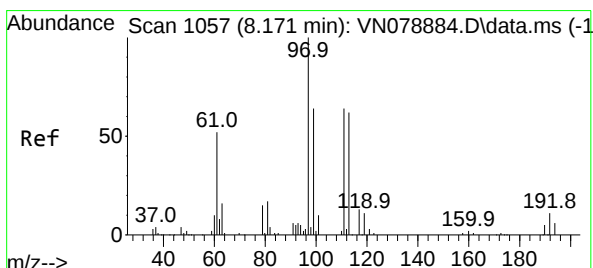
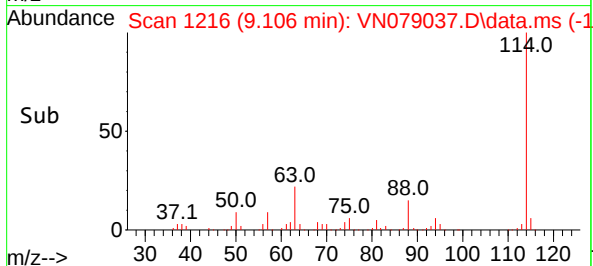
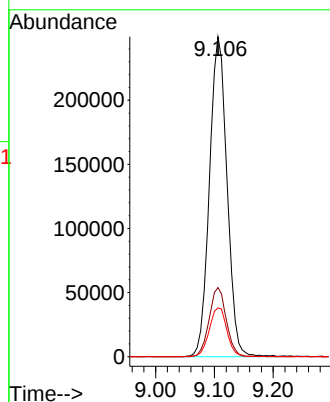
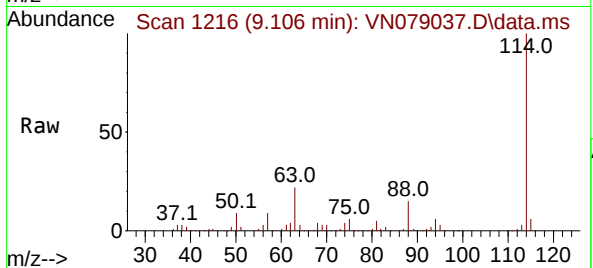
NEVINS-SB05-Z83-84

|             |             |
|-------------|-------------|
| Tgt Ion:114 | Resp: 51839 |
| Ion Ratio   | Lower Upper |
| 114 100     |             |
| 63 21.6     | 0.0 36.4    |
| 88 15.3     | 0.0 30.6    |

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#35

Dibromofluoromethane

Concen: 48.702 ug/l

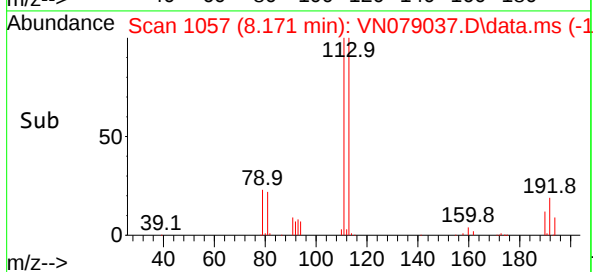
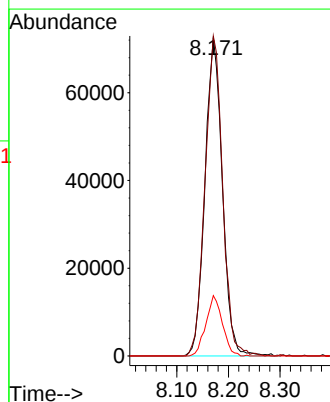
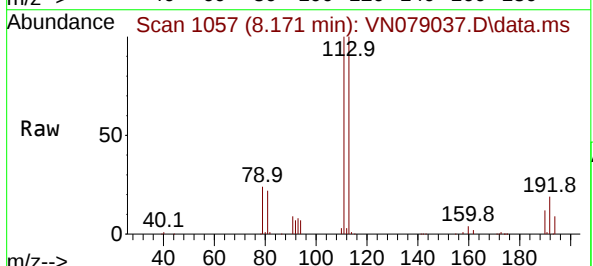
RT: 8.171 min Scan# 1057

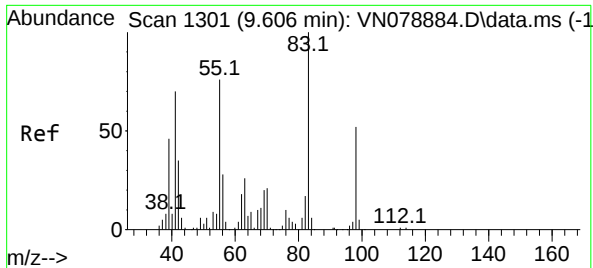
Delta R.T. -0.000 min

Lab File: VN079037.D

Acq: 24 Aug 2023 17:30

|             |              |
|-------------|--------------|
| Tgt Ion:113 | Resp: 169949 |
| Ion Ratio   | Lower Upper  |
| 113 100     |              |
| 111 101.3   | 82.6 123.8   |
| 192 17.9    | 12.7 19.1    |





#39

Methylcyclohexane

Concen: 1.649 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN079037.D

Acq: 24 Aug 2023 17:30

Instrument :

MSVOA\_N

ClientSampleId :

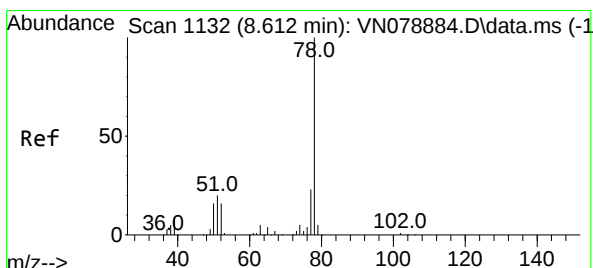
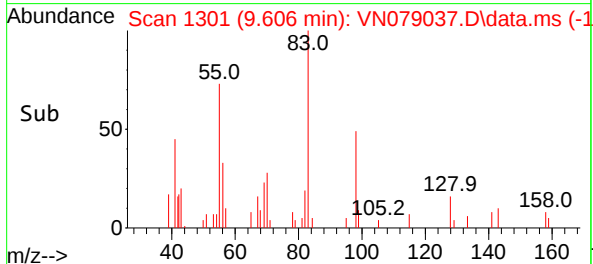
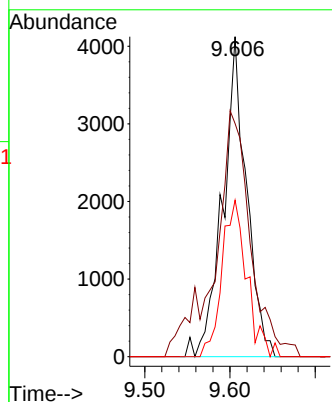
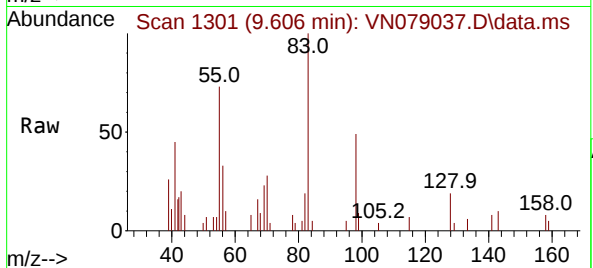
NEVINS-SB05-Z83-84

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 7960  |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 69.0     | 49.1 73.7   |
| 98 48.9     | 40.6 61.0   |

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/25/2023  
Supervised By :Semsettin Yesilyurt 08/25/2023



#40

Benzene

Concen: 167.949 ug/l

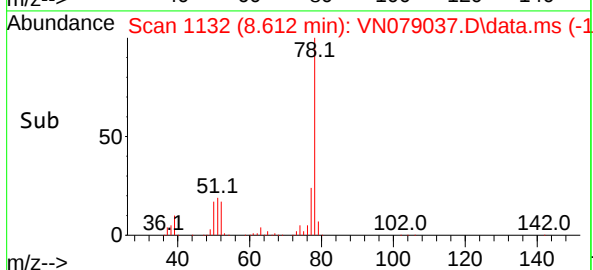
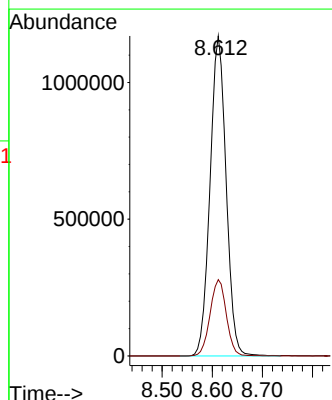
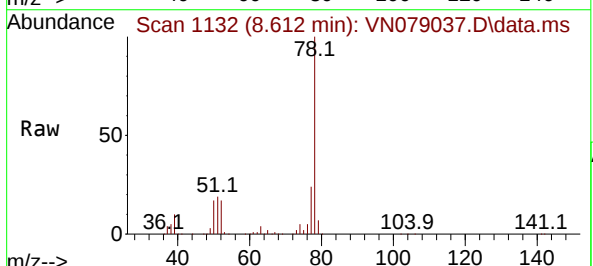
RT: 8.612 min Scan# 1132

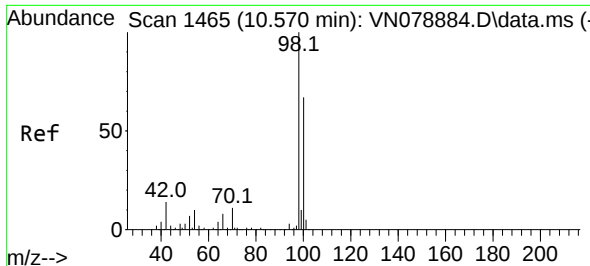
Delta R.T. -0.000 min

Lab File: VN079037.D

Acq: 24 Aug 2023 17:30

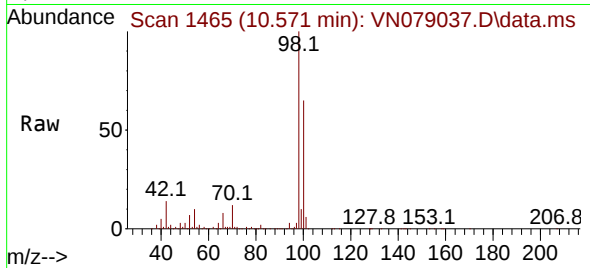
|             |               |
|-------------|---------------|
| Tgt Ion: 78 | Resp: 2605793 |
| Ion Ratio   | Lower Upper   |
| 78 100      |               |
| 77 23.9     | 19.0 28.6     |





#50  
Toluene-d8  
Concen: 48.315 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30

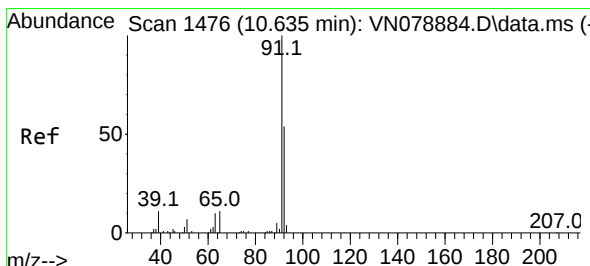
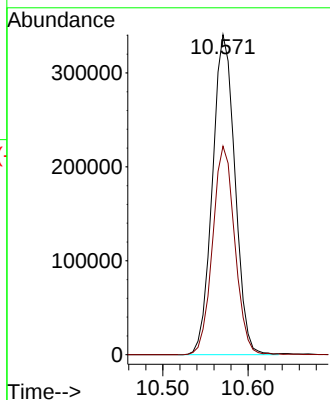
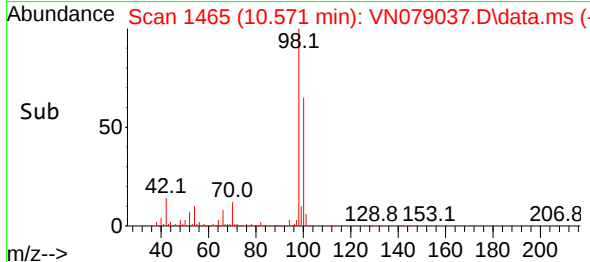
Instrument :  
MSVOA\_N  
ClientSampleId :  
NEVINS-SB05-Z83-84



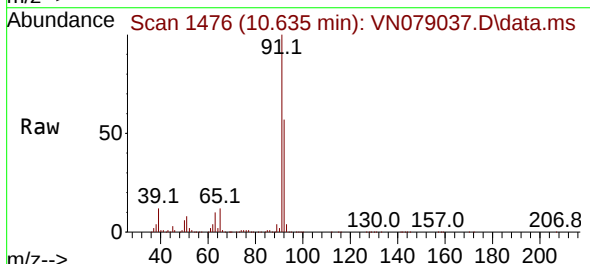
Tgt Ion: 98 Resp: 626019  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.0 78.0

Manual Integrations  
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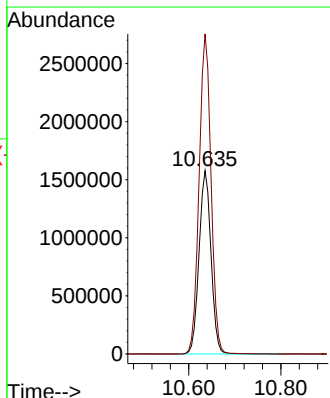
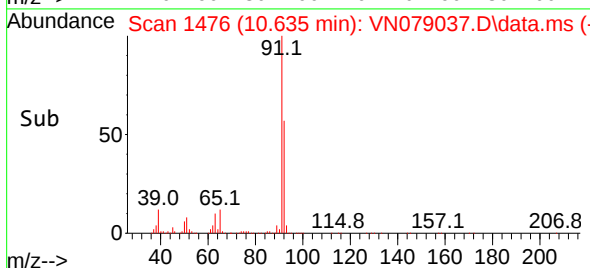
Reviewed By :Mahesh Dadoda 08/25/2023  
Supervised By :Semsettin Yesilyurt 08/25/2023

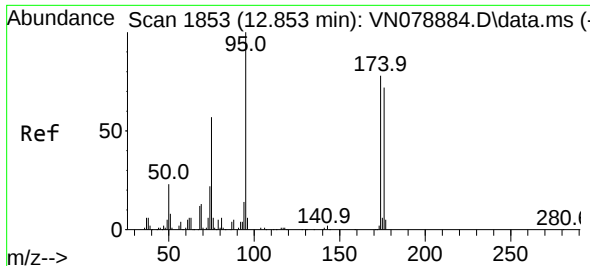


#52  
Toluene  
Concen: 299.010 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30



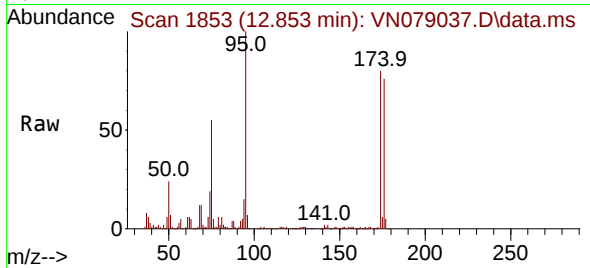
Tgt Ion: 92 Resp: 2848327  
Ion Ratio Lower Upper  
92 100  
91 174.4 137.4 206.0





#62  
4-Bromofluorobenzene  
Concen: 57.966 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30

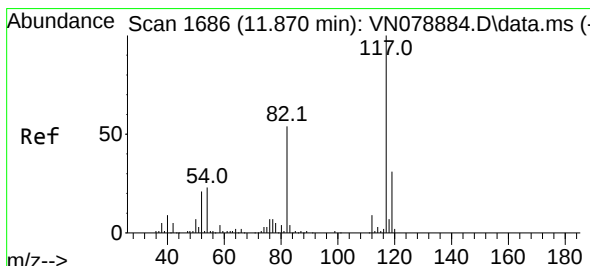
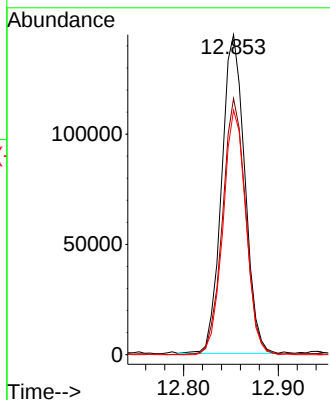
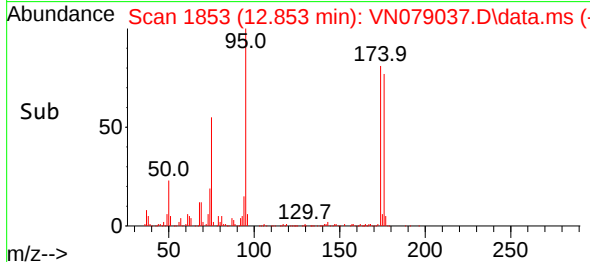
Instrument :  
MSVOA\_N  
ClientSampleId :  
NEVINS-SB05-Z83-84



Tgt Ion: 95 Resp: 245495  
Ion Ratio Lower Upper  
95 100  
174 80.1 0.0 143.8  
176 76.1 0.0 135.8

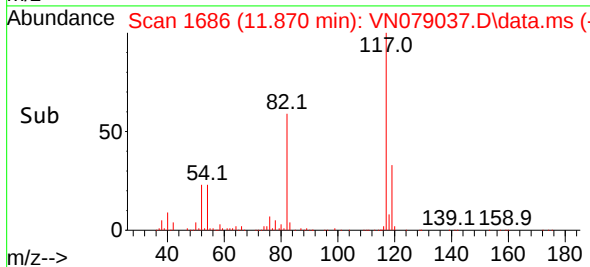
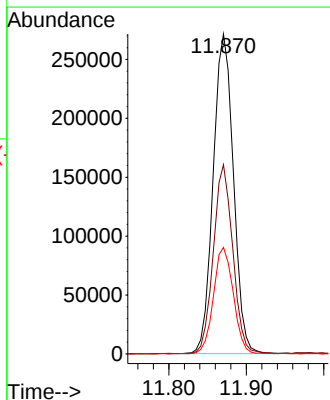
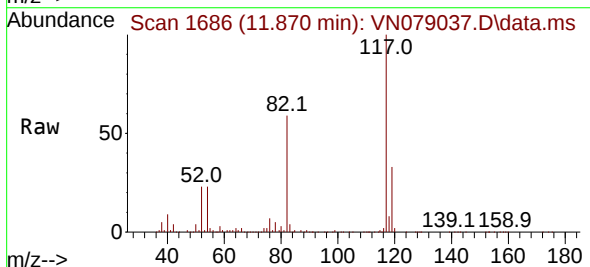
Manual Integrations  
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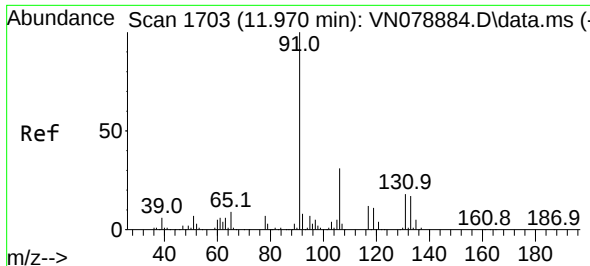
Reviewed By :Mahesh Dadoda 08/25/2023  
Supervised By :Semsettin Yesilyurt 08/25/2023



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. -0.001 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30

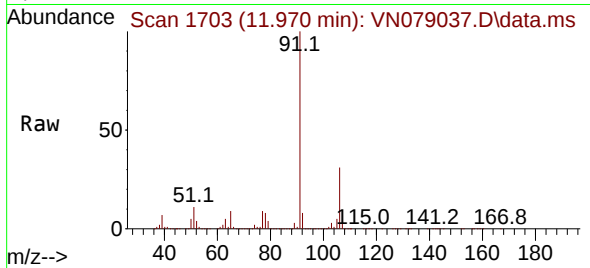
Tgt Ion:117 Resp: 491932  
Ion Ratio Lower Upper  
117 100  
82 59.1 44.0 66.0  
119 33.3 25.6 38.4





#67  
Ethyl Benzene  
Concen: 367.825 ug/l  
RT: 11.970 min Scan# 1703  
Delta R.T. -0.001 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30

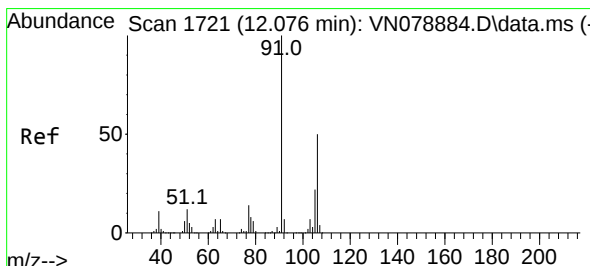
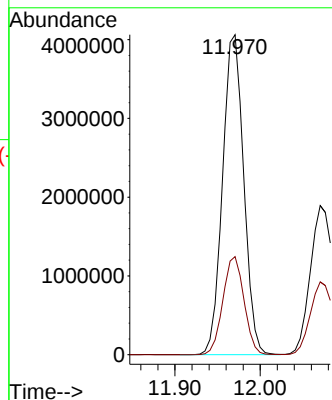
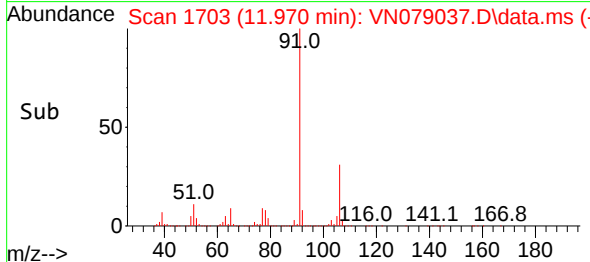
Instrument :  
MSVOA\_N  
ClientSampleId :  
NEVINS-SB05-Z83-84



Tgt Ion: 91 Resp: 7004338  
Ion Ratio Lower Upper  
91 100  
106 30.7 25.6 38.4

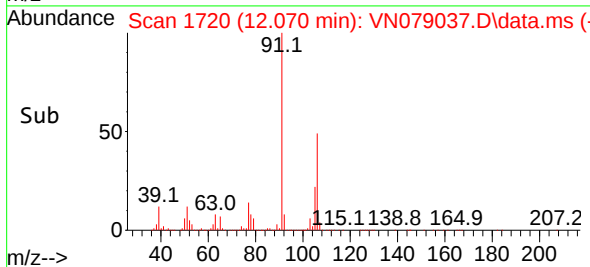
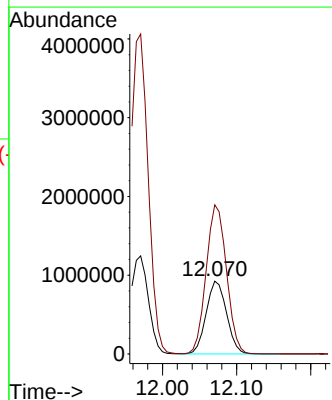
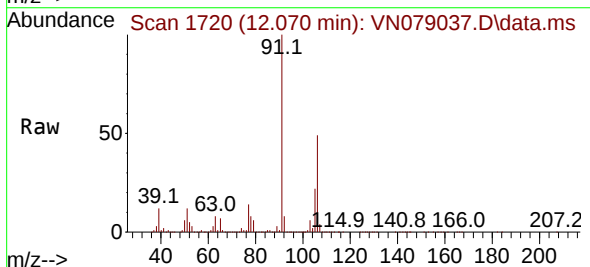
Manual Integrations  
APPROVED

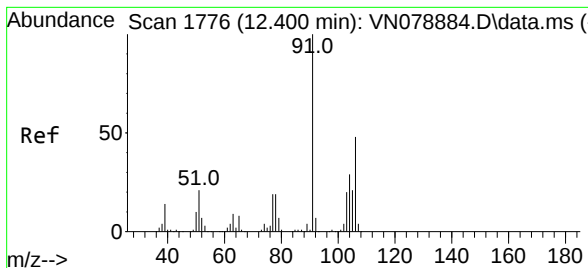
Reviewed By :Mahesh Dadoda 08/25/2023  
Supervised By :Semsettin Yesilyurt 08/25/2023



#68  
m/p-Xylenes  
Concen: 247.854 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. -0.006 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30

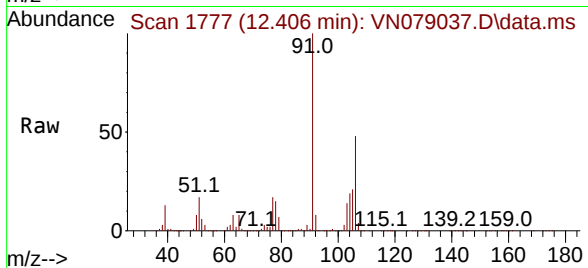
Tgt Ion:106 Resp: 1764635  
Ion Ratio Lower Upper  
106 100  
91 204.5 159.6 239.4





#69  
o-Xylene  
Concen: 117.029 ug/l  
RT: 12.406 min Scan# 1776  
Delta R.T. 0.006 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30

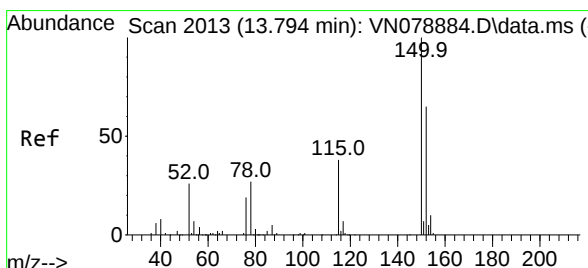
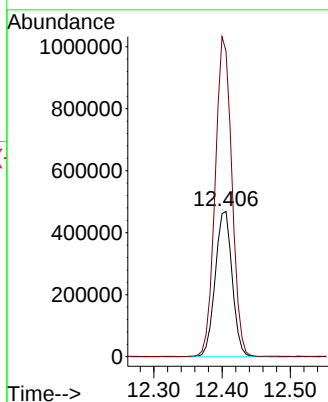
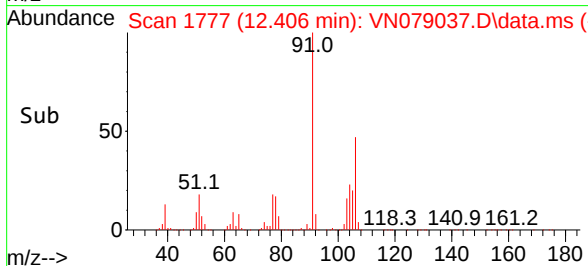
Instrument :  
MSVOA\_N  
ClientSampleId :  
NEVINS-SB05-Z83-84



Tgt Ion:106 Resp: 810518  
Ion Ratio Lower Upper  
106 100  
91 217.2 105.2 315.5

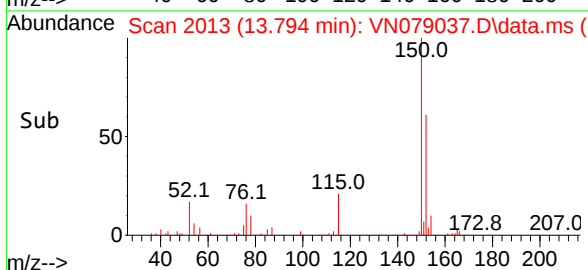
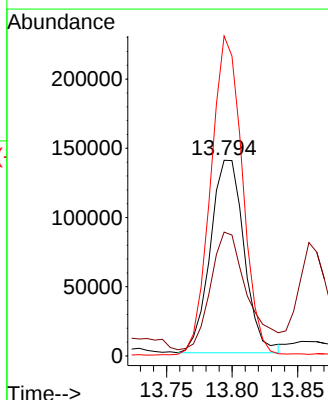
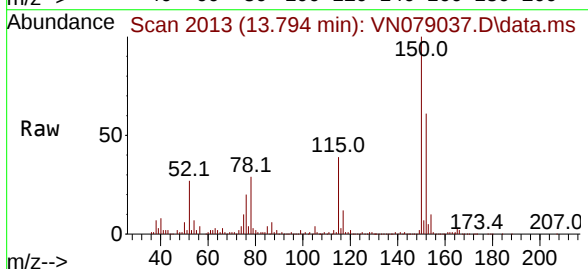
Manual Integrations  
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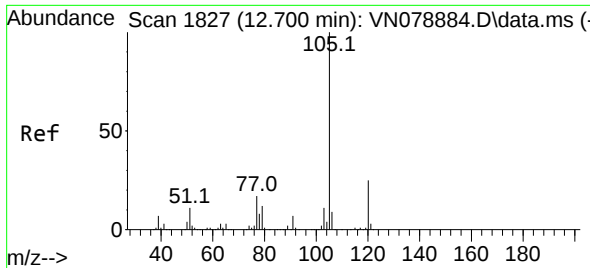
Reviewed By :Mahesh Dadoda 08/25/2023  
Supervised By :Semsettin Yesilyurt 08/25/2023



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30

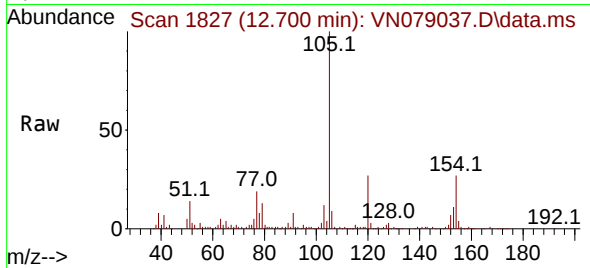
Tgt Ion:152 Resp: 250040  
Ion Ratio Lower Upper  
152 100  
115 66.5 32.3 96.8  
150 155.1 0.0 355.8





#73  
Isopropylbenzene  
Concen: 6.539 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. -0.000 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30

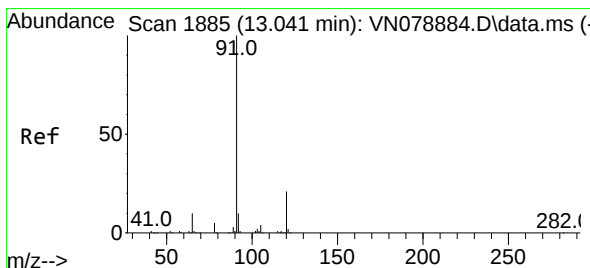
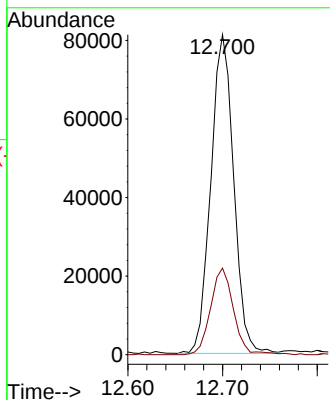
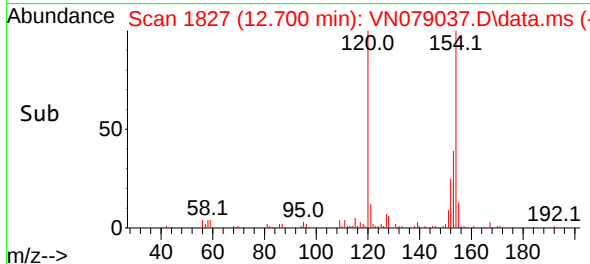
Instrument : MSVOA\_N  
ClientSampleId : NEVINS-SB05-Z83-84



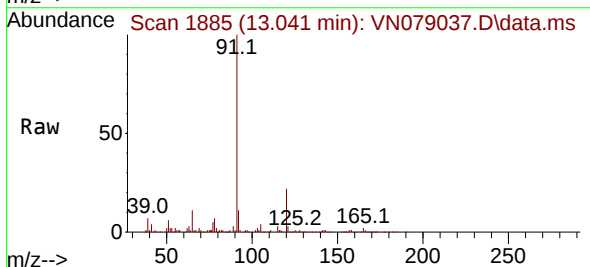
Tgt Ion:105 Resp: 136335  
Ion Ratio Lower Upper  
105 100  
120 27.3 13.1 39.1

Manual Integrations  
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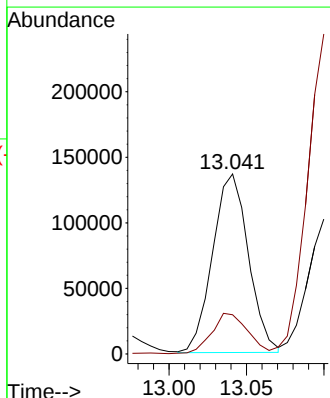
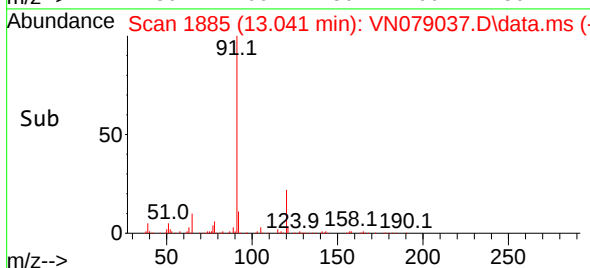
Reviewed By :Mahesh Dadoda 08/25/2023  
Supervised By :Semsettin Yesilyurt 08/25/2023

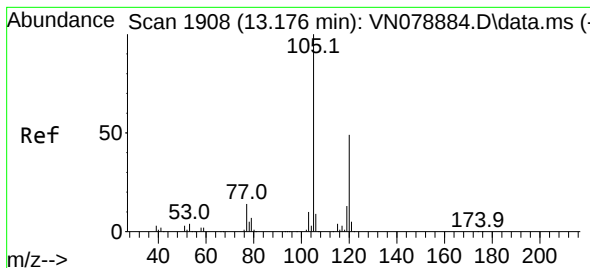


#78  
n-propylbenzene  
Concen: 9.055 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. 0.000 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30



Tgt Ion: 91 Resp: 218910  
Ion Ratio Lower Upper  
91 100  
120 22.5 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 30.537 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079037.D

Acq: 24 Aug 2023 17:30

Instrument :

MSVOA\_N

ClientSampleId :

NEVINS-SB05-Z83-84

Tgt Ion:105 Resp: 50453

Ion Ratio Lower Upper

105 100

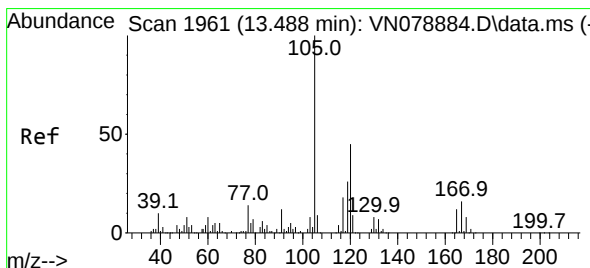
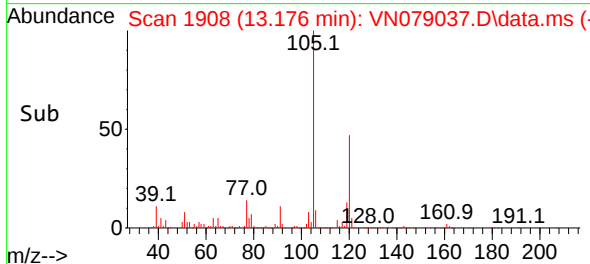
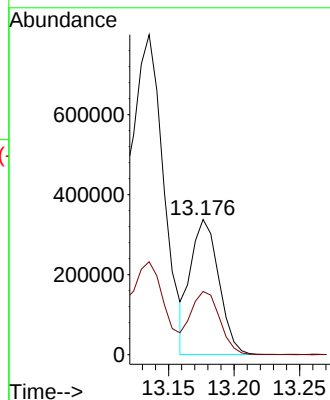
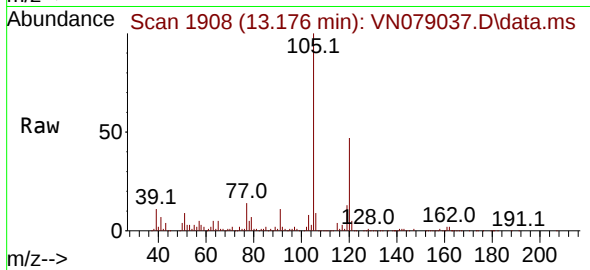
120 48.1 24.1 72.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/25/2023

Supervised By :Semsettin Yesilyurt 08/25/2023



#84

1,2,4-Trimethylbenzene

Concen: 113.722 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN079037.D

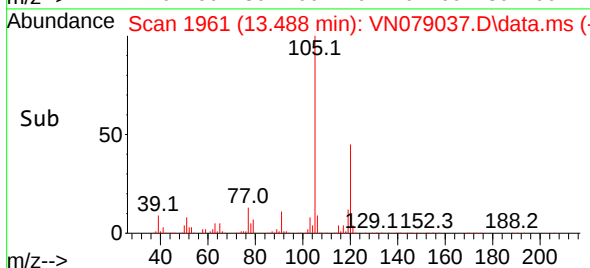
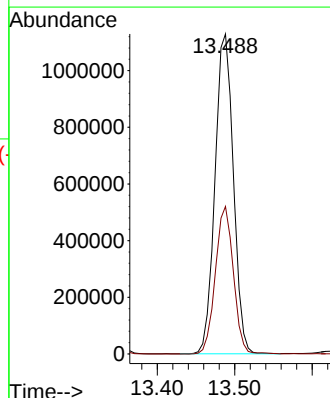
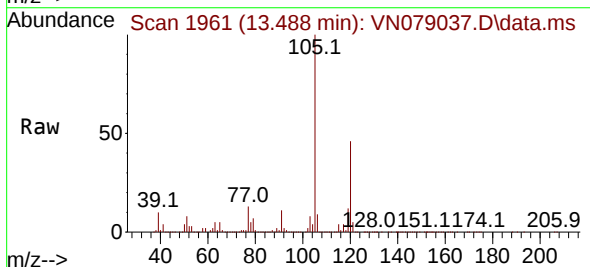
Acq: 24 Aug 2023 17:30

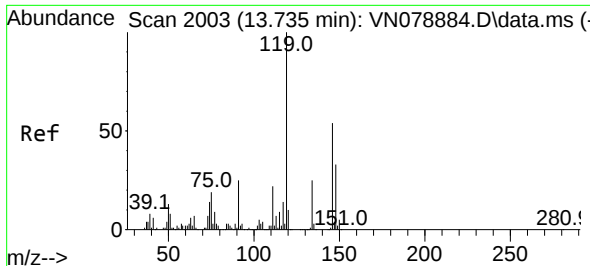
Tgt Ion:105 Resp: 1860451

Ion Ratio Lower Upper

105 100

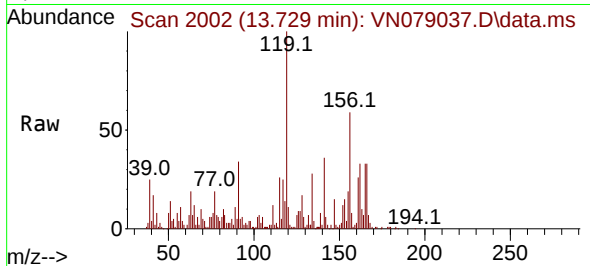
120 45.3 22.0 66.0





#86  
p-Isopropyltoluene  
Concen: 5.060 ug/l m  
RT: 13.729 min Scan# 2002  
Delta R.T. -0.006 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30

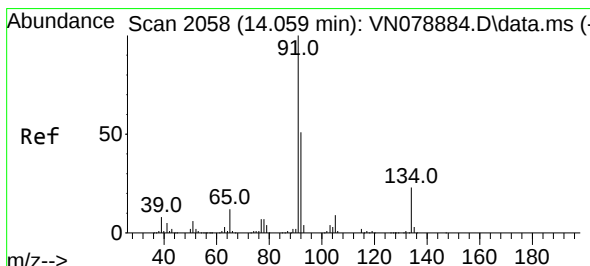
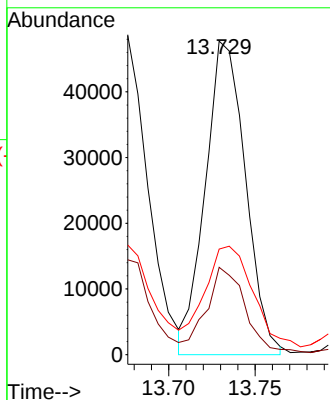
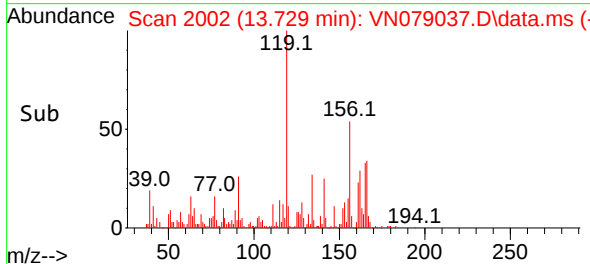
Instrument :  
MSVOA\_N  
ClientSampleId :  
NEVINS-SB05-Z83-84



Tgt Ion: 119 Resp: 7723  
Ion Ratio Lower Upper  
119 100  
134 31.8 12.6 37.8  
91 30.4 12.4 37.2

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 08/25/2023  
Supervised By :Semsettin Yesilyurt 08/25/2023



#89  
n-Butylbenzene  
Concen: 3.030 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: VN079037.D  
Acq: 24 Aug 2023 17:30

Tgt Ion: 91 Resp: 38057  
Ion Ratio Lower Upper  
91 100  
92 61.2 26.4 79.0  
134 0.0 12.6 37.6#

