

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052125\  
 Data File : VN086731.D  
 Acq On : 21 May 2025 15:05  
 Operator : JC\MD  
 Sample : Q2078-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-A4-05-G

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 05/22/2025  
 Supervised By :Mahesh Dadoda 05/22/2025

Quant Time: May 22 01:24:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 17 00:46:13 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.218          | 168  | 228537     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 430772     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 416086     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 186063     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 148697     | 47.086   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 94.180%  |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 85238      | 33.226   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 66.460%# |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 552152     | 51.937   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 103.880% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 196494     | 52.345   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 104.680% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 16) Acetone                 | 4.430          | 43   | 40825      | 34.560   | ug/l   | 95       |
| 17) Carbon Disulfide        | 4.712          | 76   | 15906      | 2.254    | ug/l # | 94       |
| 20) Methylene Chloride      | 5.277          | 84   | 4436       | 1.423    | ug/l   | 93       |
| 40) Benzene                 | 8.606          | 78   | 12466255   | 1009.869 | ug/l   | 98       |
| 52) Toluene                 | 10.629         | 92   | 2950508    | 384.563  | ug/l   | 99       |
| 67) Ethyl Benzene           | 11.959         | 91   | 13750808   | 879.888  | ug/l   | 94       |
| 68) m/p-Xylenes             | 12.065         | 106  | 2736016    | 462.222  | ug/l   | 95       |
| 69) o-Xylene                | 12.394         | 106  | 1557617    | 264.683  | ug/l   | 98       |
| 73) Isopropylbenzene        | 12.694         | 105  | 381414     | 26.542   | ug/l   | 99       |
| 78) n-propylbenzene         | 13.029         | 91   | 86023      | 5.216    | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene  | 13.170         | 105  | 282796     | 24.563   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.476         | 105  | 1114656    | 97.221   | ug/l   | 100      |
| 86) p-Isopropyltoluene      | 13.723         | 119  | 40052      | 3.629    | ug/l # | 75       |
| 95) Naphthalene             | 15.623         | 128  | 28266857m  | 3239.339 | ug/l   |          |
| -----                       |                |      |            |          |        |          |

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

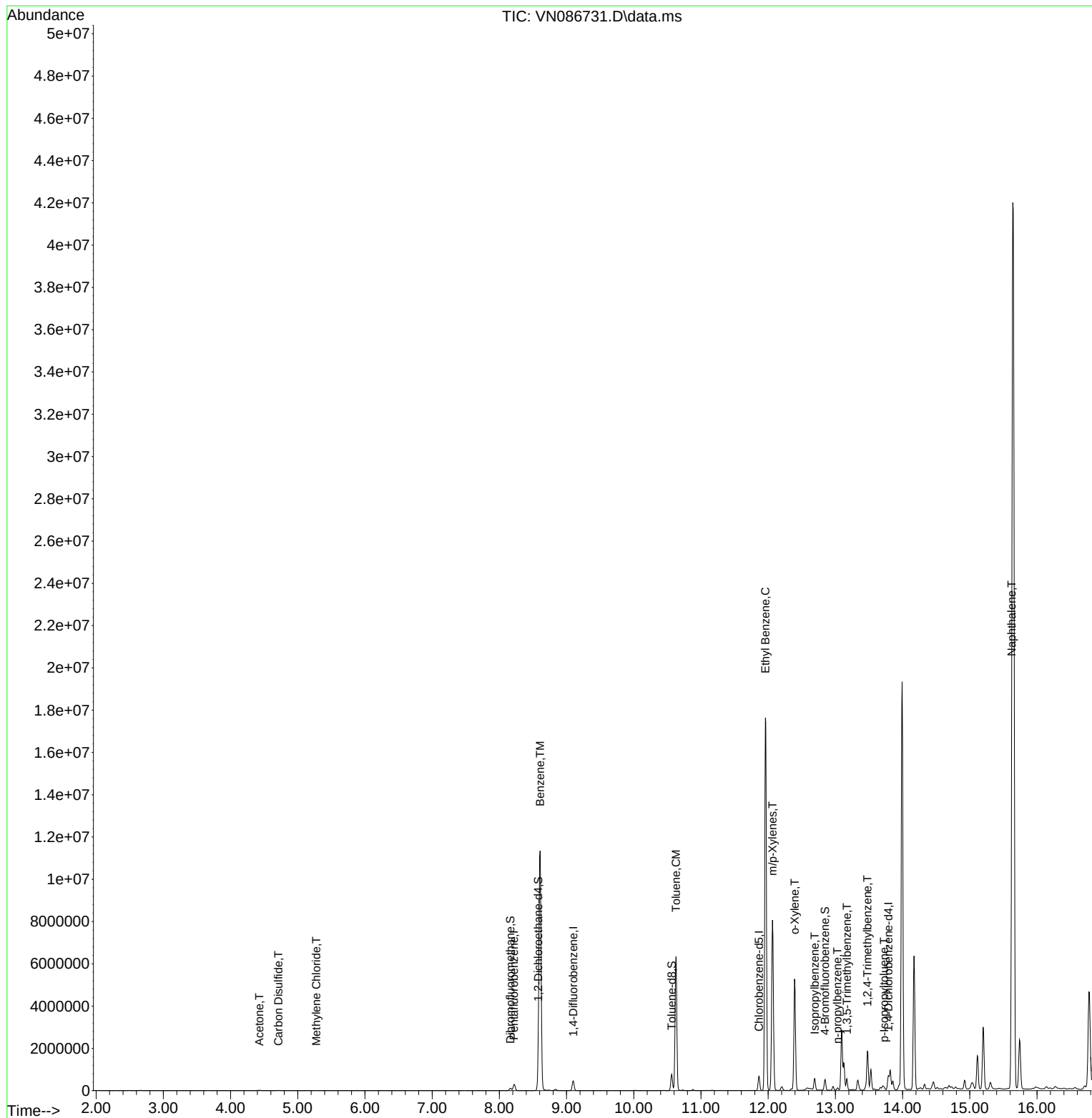
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052125\  
Data File : VN086731.D  
Acq On : 21 May 2025 15:05  
Operator : JC\MD  
Sample : Q2078-05  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

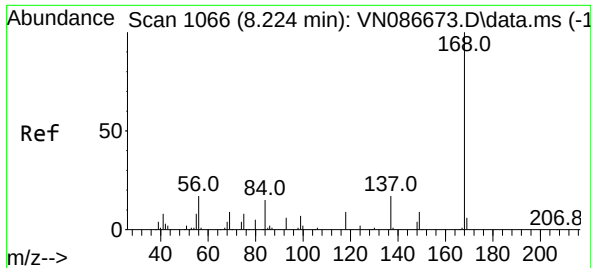
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A4-05-G

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Supervised By :Mahesh Dadoda 05/22/2025

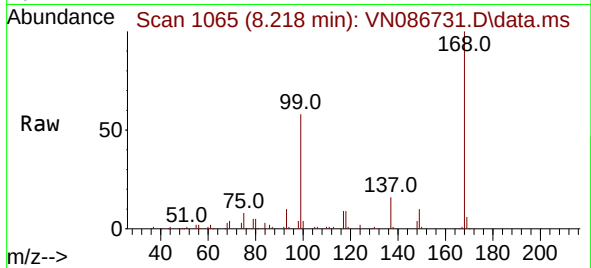
Quant Time: May 22 01:24:03 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051625W.M  
Quant Title : SW846 8260  
QLast Update : Sat May 17 00:46:13 2025  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05

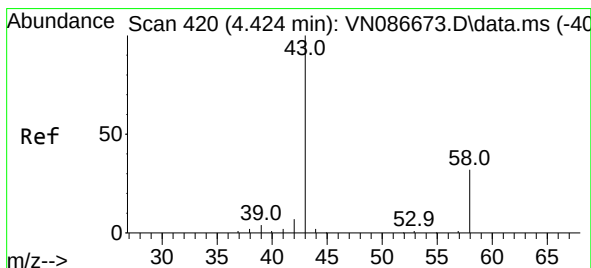
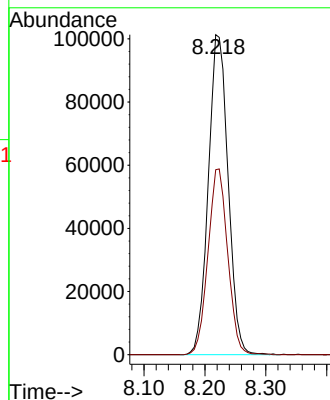
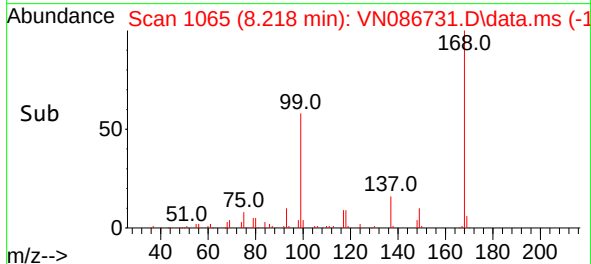
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A4-05-G



Tgt Ion:168 Resp: 22853  
Ion Ratio Lower Upper  
168 100  
99 57.8 47.0 70.4

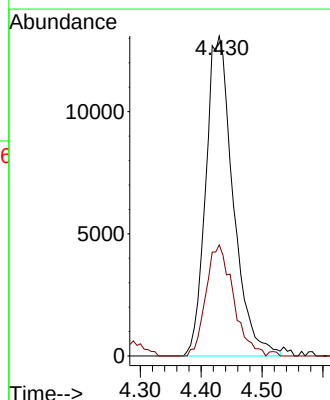
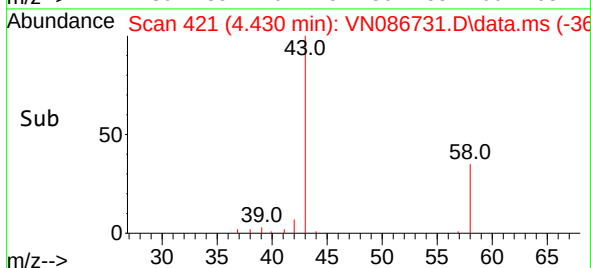
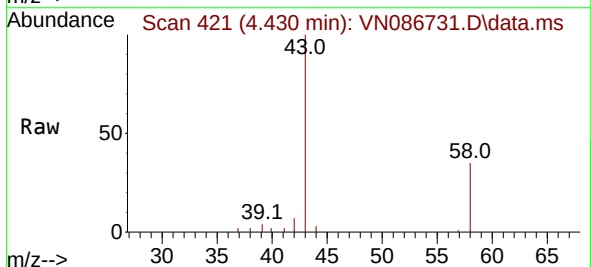
Manual Integrations  
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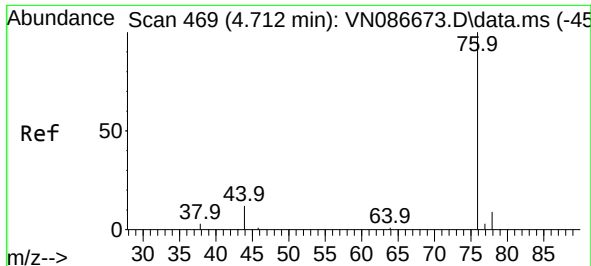
Reviewed By :John Carlone 05/22/2025  
Supervised By :Mahesh Dadoda 05/22/2025



#16  
Acetone  
Concen: 34.560 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05

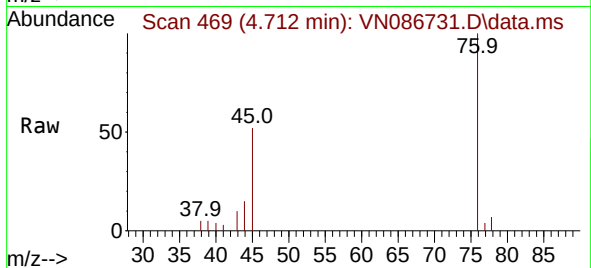
Tgt Ion: 43 Resp: 40825  
Ion Ratio Lower Upper  
43 100  
58 34.7 25.8 38.6





#17  
Carbon Disulfide  
Concen: 2.254 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. -0.000 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05

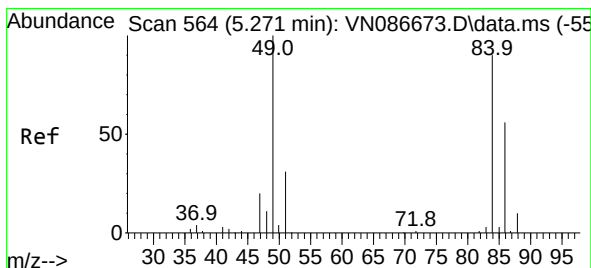
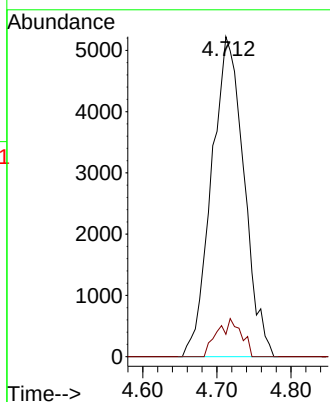
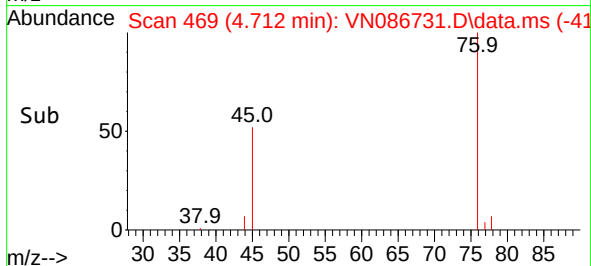
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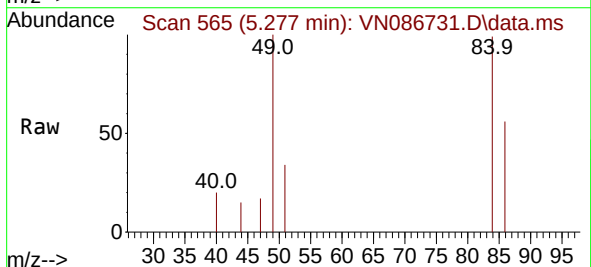
Tgt Ion: 76 Resp: 15900  
Ion Ratio Lower Upper  
76 100  
78 7.0 7.3 10.9

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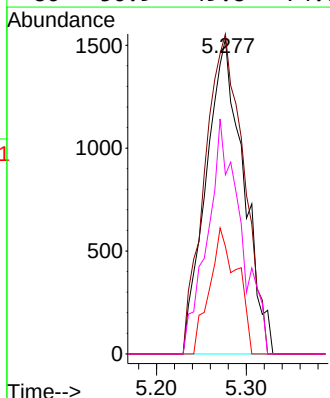
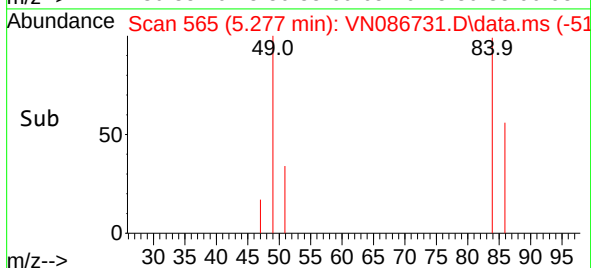
Reviewed By :John Carlone 05/22/2025  
Supervised By :Mahesh Dadoda 05/22/2025

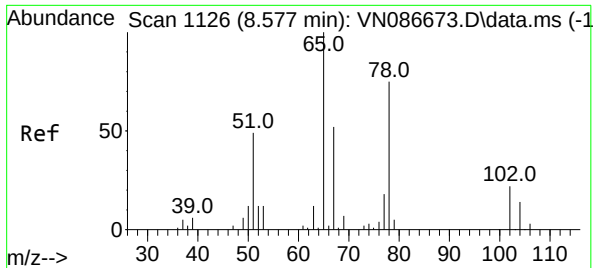


#20  
Methylene Chloride  
Concen: 1.423 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05



Tgt Ion: 84 Resp: 4436  
Ion Ratio Lower Upper  
84 100  
49 101.5 88.8 133.2  
51 34.1 27.8 41.6  
86 56.9 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 47.086 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086731.D

Acq: 21 May 2025 15:05

Instrument :

MSVOA\_N

ClientSampleId :

WC-A4-05-G

Tgt Ion: 65 Resp: 14869

Ion Ratio Lower Upper

65 100

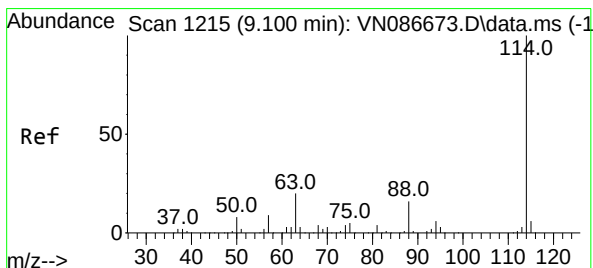
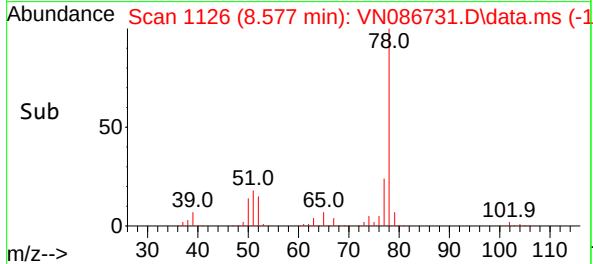
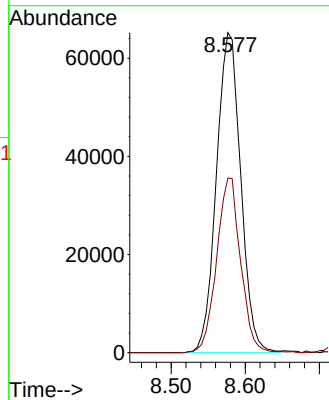
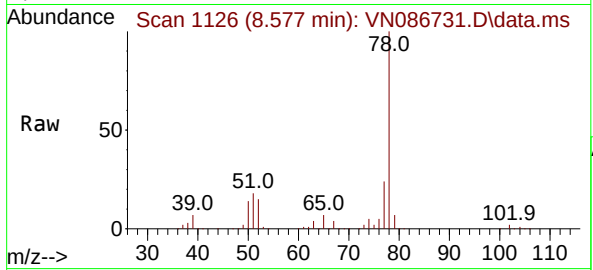
67 53.7 0.0 106.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086731.D

Acq: 21 May 2025 15:05

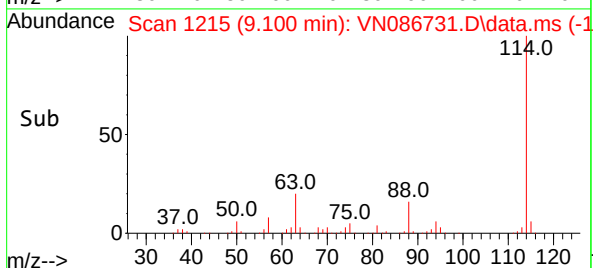
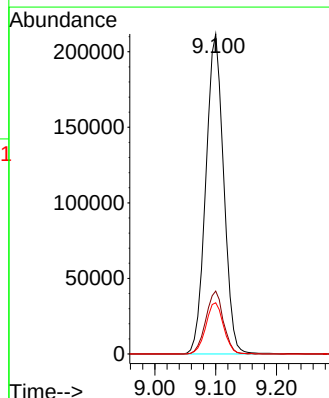
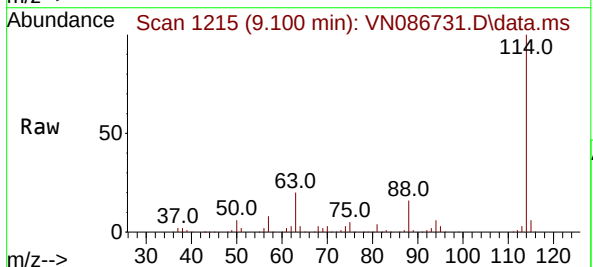
Tgt Ion:114 Resp: 430772

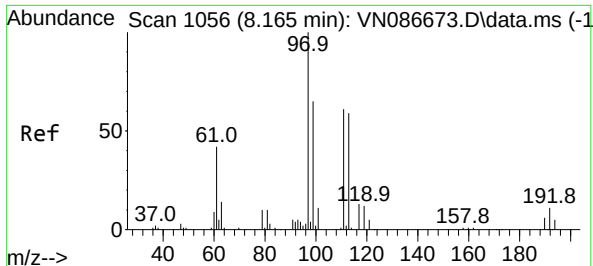
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 16.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 33.226 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086731.D

Acq: 21 May 2025 15:05

Instrument :

MSVOA\_N

ClientSampleId :

WC-A4-05-G

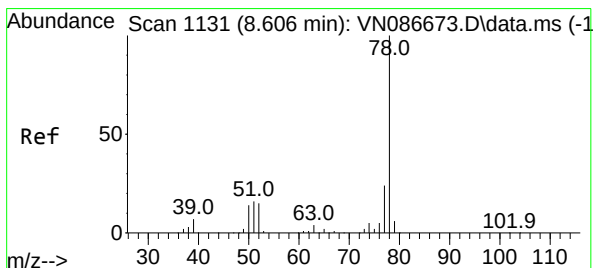
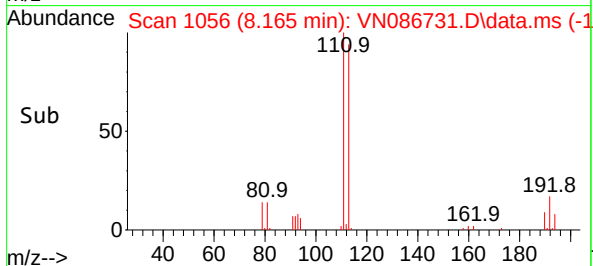
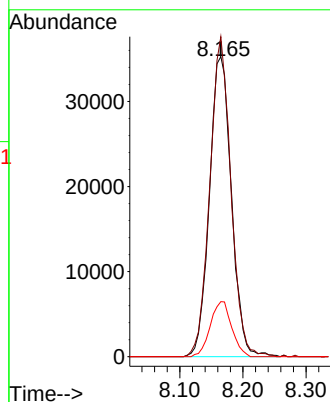
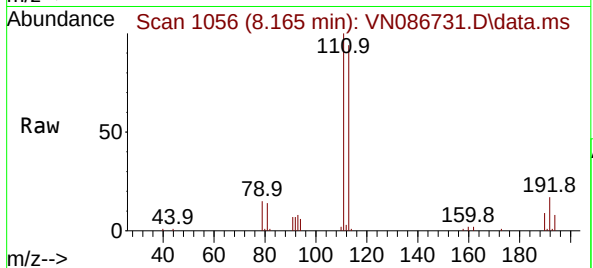
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 85238 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.3 | 82.2  | 123.2 |
| 192      | 17.9  | 13.8  | 20.8  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#40

Benzene

Concen: 1009.869 ug/l

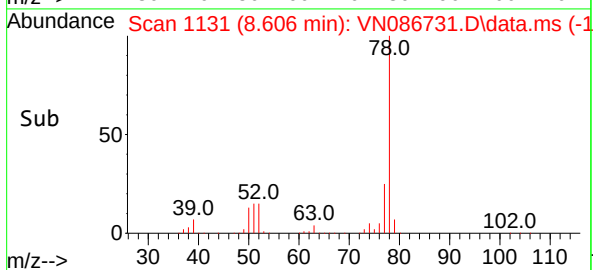
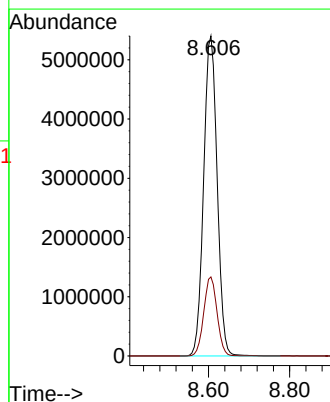
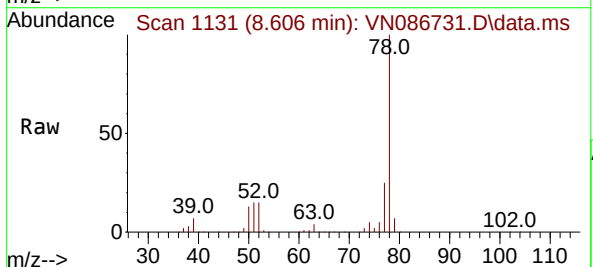
RT: 8.606 min Scan# 1131

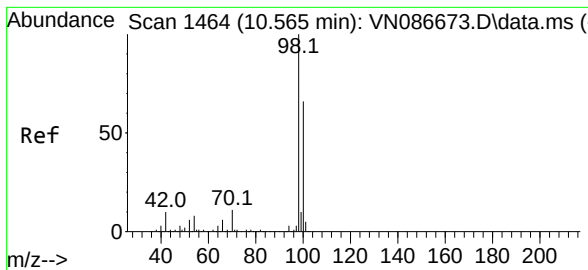
Delta R.T. -0.000 min

Lab File: VN086731.D

Acq: 21 May 2025 15:05

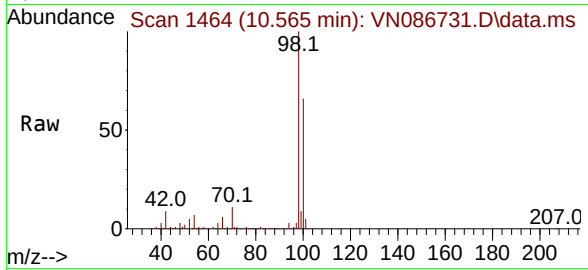
|          |       |       |          |
|----------|-------|-------|----------|
| Tgt Ion: | 78    | Resp: | 12466255 |
| Ion      | Ratio | Lower | Upper    |
| 78       | 100   |       |          |
| 77       | 24.7  | 19.1  | 28.7     |





#50  
Toluene-d8  
Concen: 51.937 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05

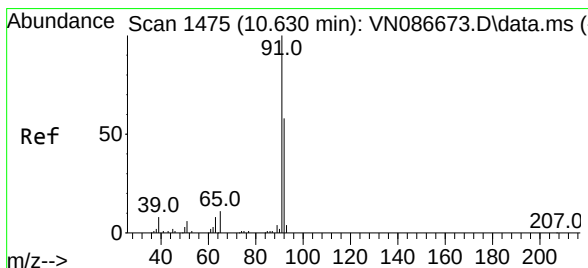
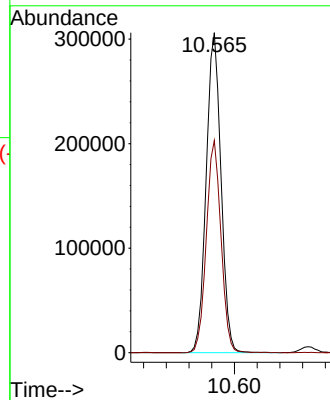
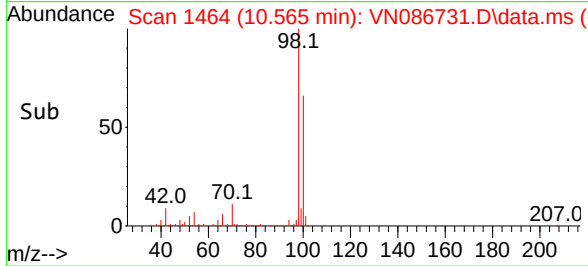
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A4-05-G



Tgt Ion: 98 Resp: 552152  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.9 79.3

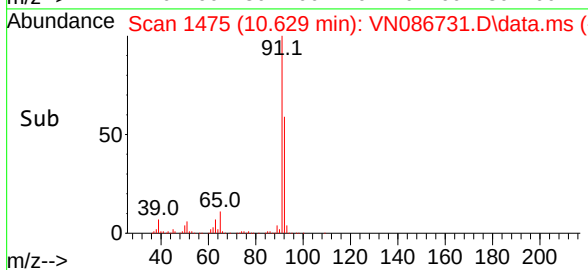
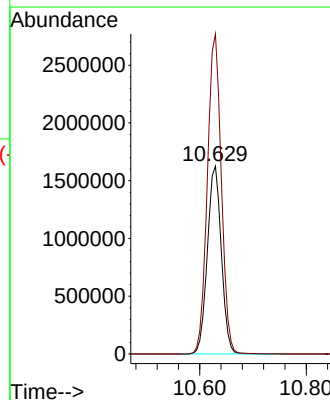
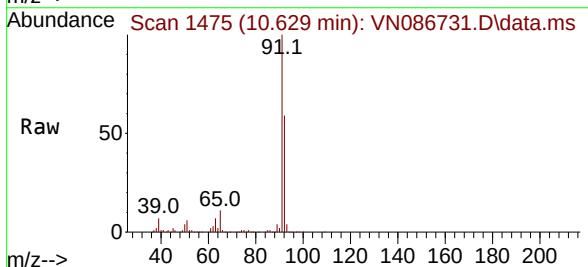
Manual Integrations  
APPROVED

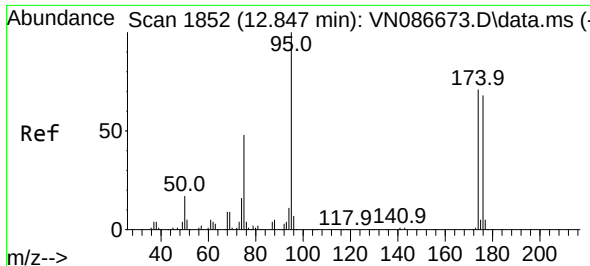
Reviewed By :John Carlone 05/22/2025  
Supervised By :Mahesh Dadoda 05/22/2025



#52  
Toluene  
Concen: 384.563 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05

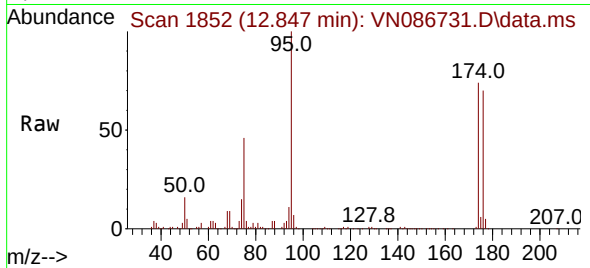
Tgt Ion: 92 Resp: 2950508  
Ion Ratio Lower Upper  
92 100  
91 170.4 137.8 206.8





#62  
4-Bromofluorobenzene  
Concen: 52.345 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05

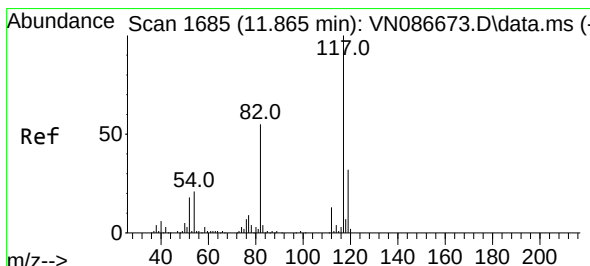
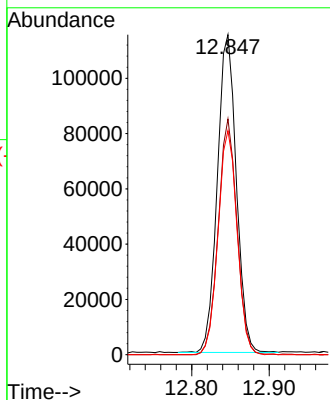
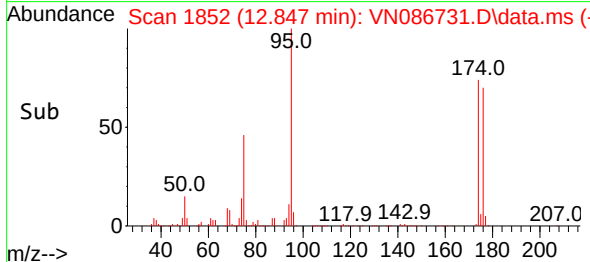
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A4-05-G



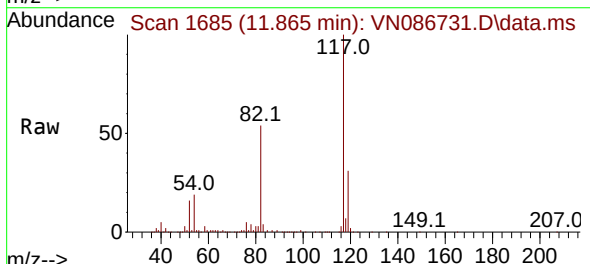
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Ion Ratio Lower Upper  
95 100  
174 72.8 0.0 145.4  
176 70.6 0.0 137.8

Manual Integrations  
APPROVED

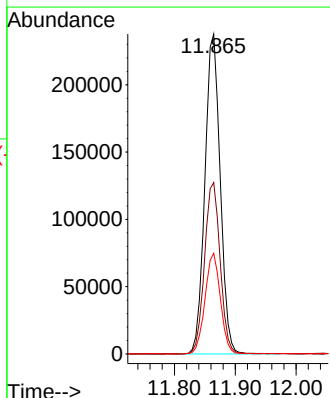
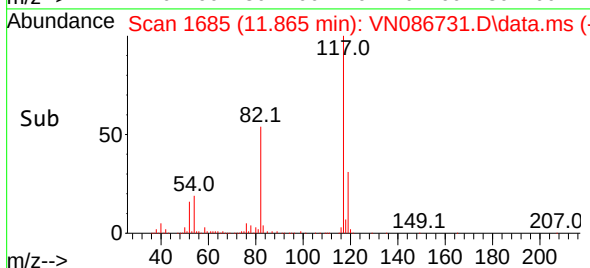
Reviewed By :John Carlone 05/22/2025  
Supervised By :Mahesh Dadoda 05/22/2025



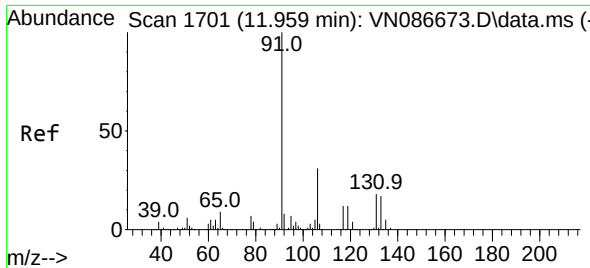
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05



Tgt Ion:117 Resp: 416086  
Ion Ratio Lower Upper  
117 100  
82 53.5 44.2 66.2  
119 31.5 25.4 38.2







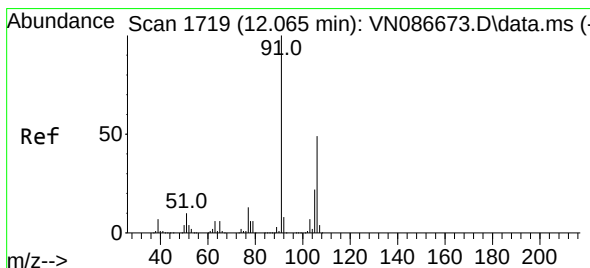
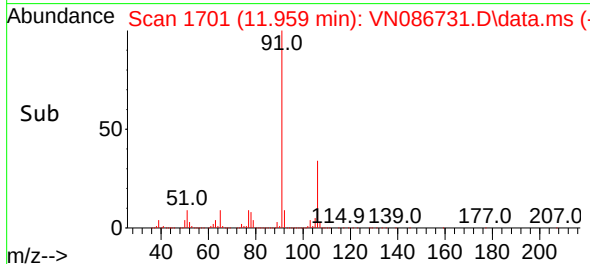
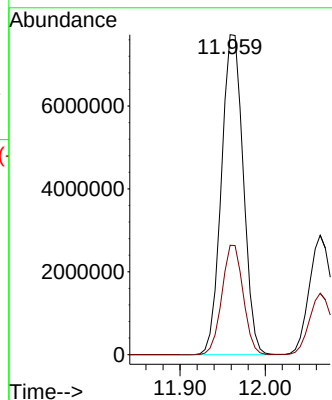
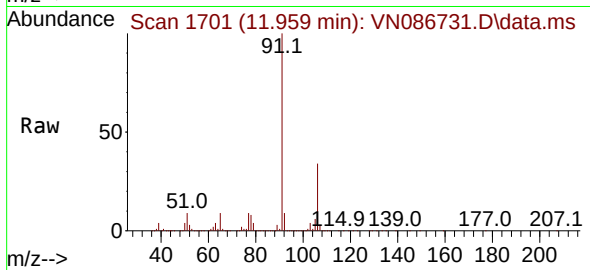
#67  
Ethyl Benzene  
Concen: 879.888 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A4-05-G

Tgt Ion: 91 Resp:13750808  
Ion Ratio Lower Upper  
91 100  
106 34.2 24.6 36.8

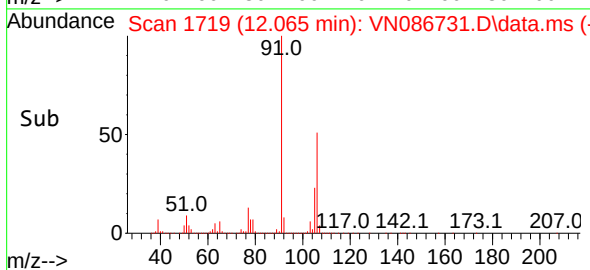
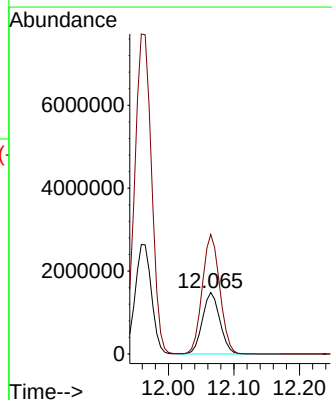
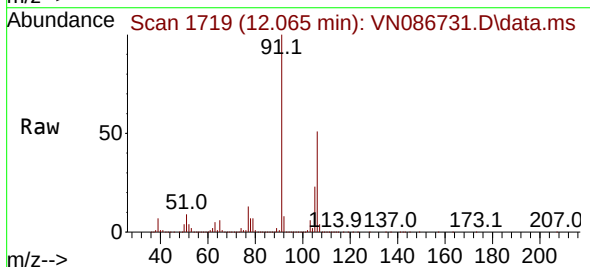
Manual Integrations  
APPROVED

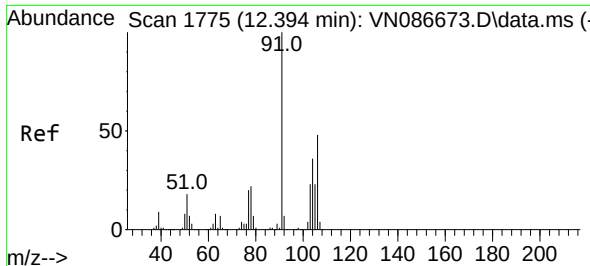
Reviewed By :John Carlone 05/22/2025  
Supervised By :Mahesh Dadoda 05/22/2025



#68  
m/p-Xylenes  
Concen: 462.222 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.000 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05

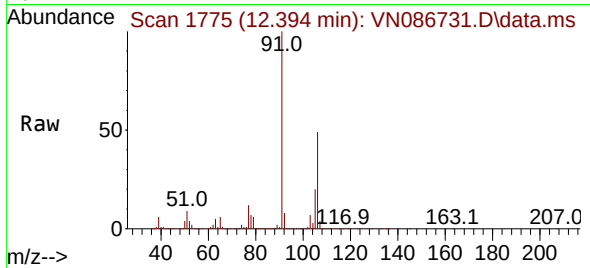
Tgt Ion:106 Resp: 2736016  
Ion Ratio Lower Upper  
106 100  
91 196.0 162.4 243.6





#69  
o-Xylene  
Concen: 264.683 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05

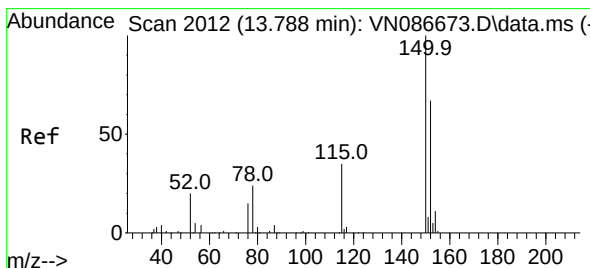
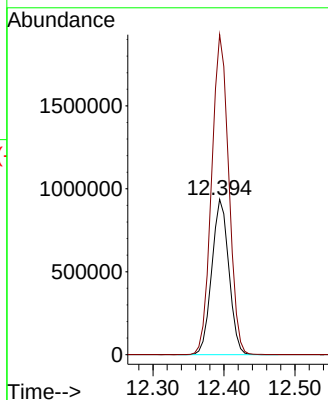
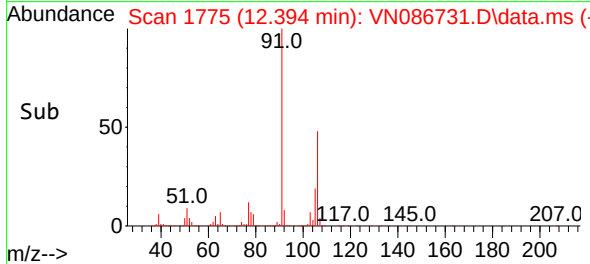
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A4-05-G



Tgt Ion:106 Resp: 155761  
Ion Ratio Lower Upper  
106 100  
91 207.3 105.1 315.1

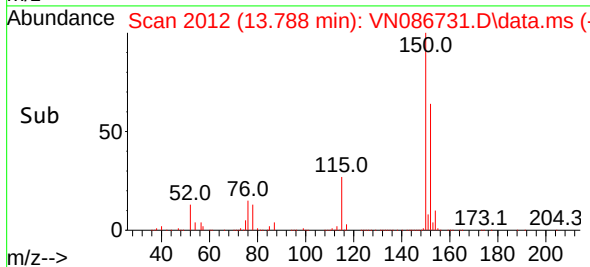
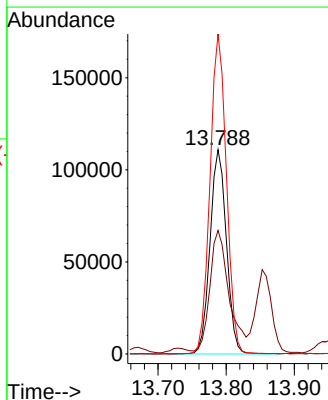
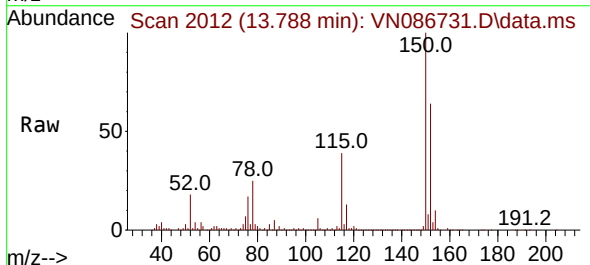
Manual Integrations  
APPROVED

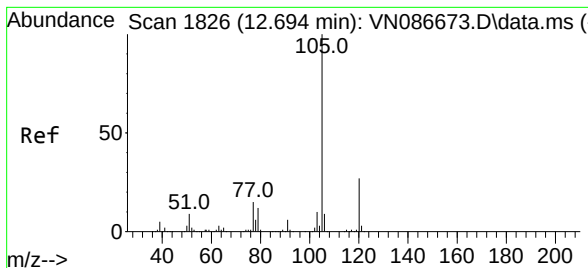
Reviewed By :John Carlone 05/22/2025  
Supervised By :Mahesh Dadoda 05/22/2025



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05

Tgt Ion:152 Resp: 186063  
Ion Ratio Lower Upper  
152 100  
115 67.8 30.0 90.1  
150 156.9 0.0 347.8





#73

Isopropylbenzene

Concen: 26.542 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086731.D

Acq: 21 May 2025 15:05

Instrument :

MSVOA\_N

ClientSampleId :

WC-A4-05-G

Tgt Ion:105 Resp: 381414

Ion Ratio Lower Upper

105 100

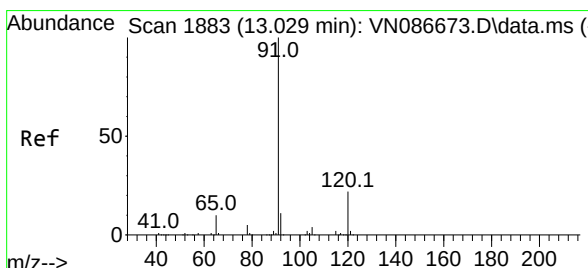
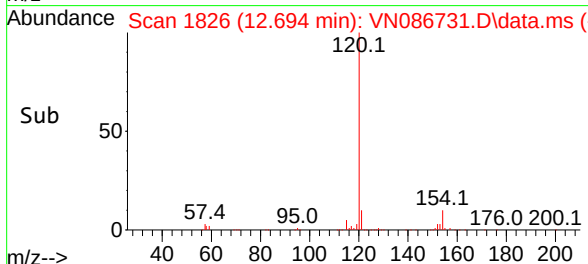
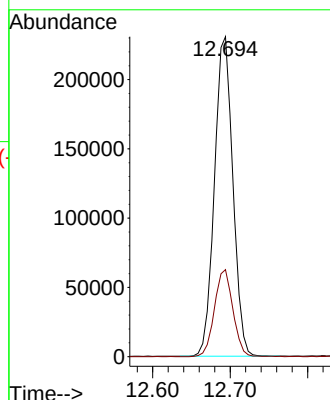
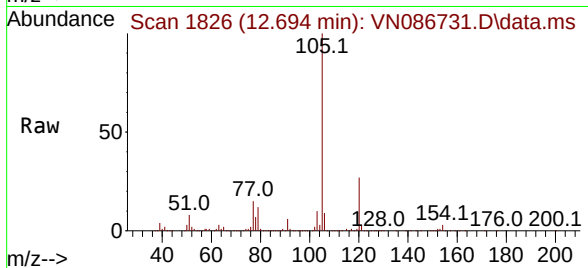
120 27.4 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#78

n-propylbenzene

Concen: 5.216 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.000 min

Lab File: VN086731.D

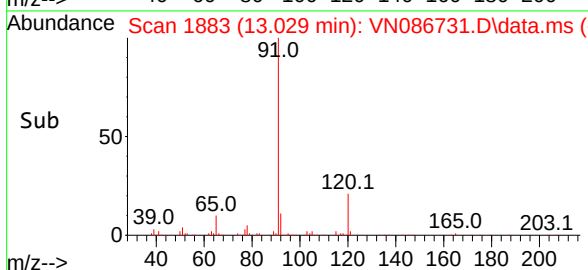
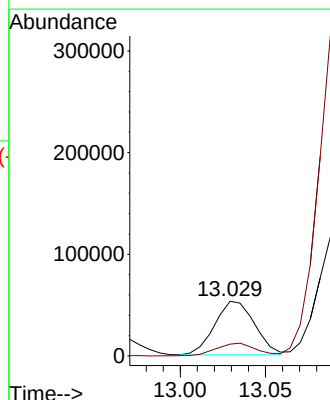
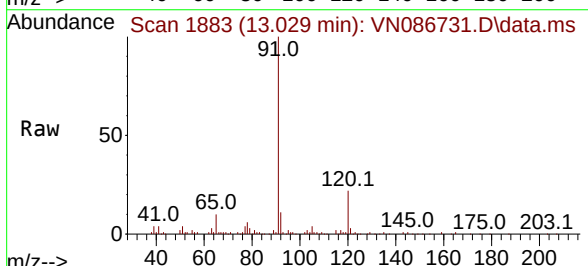
Acq: 21 May 2025 15:05

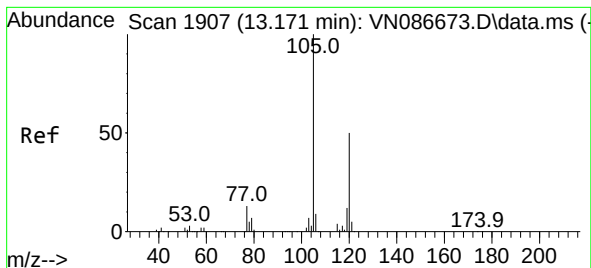
Tgt Ion: 91 Resp: 86023

Ion Ratio Lower Upper

91 100

120 24.6 11.4 34.1





#80

1,3,5-Trimethylbenzene

Concen: 24.563 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086731.D

Acq: 21 May 2025 15:05

Instrument :

MSVOA\_N

ClientSampleId :

WC-A4-05-G

Tgt Ion:105 Resp: 282790

Ion Ratio Lower Upper

105 100

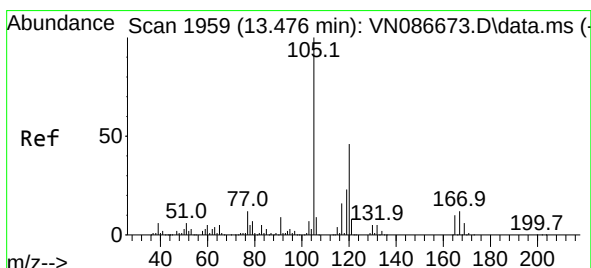
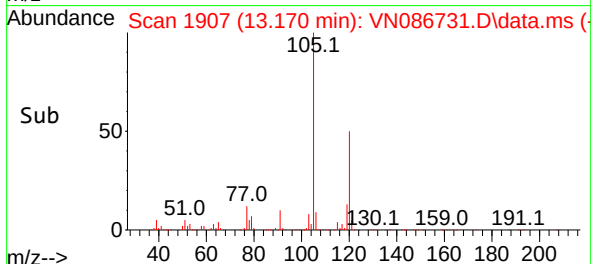
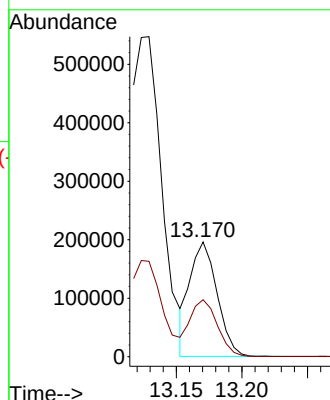
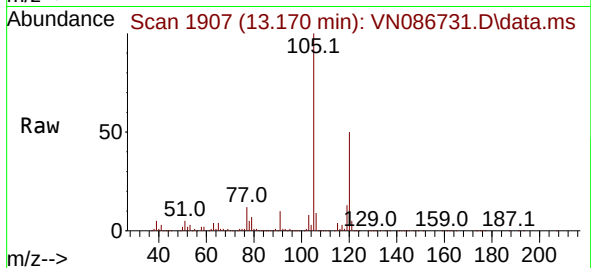
120 50.0 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#84

1,2,4-Trimethylbenzene

Concen: 97.221 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN086731.D

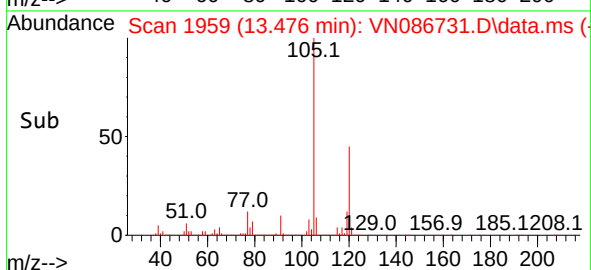
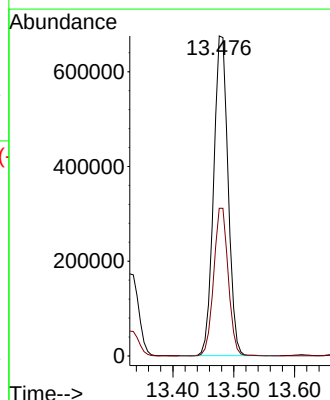
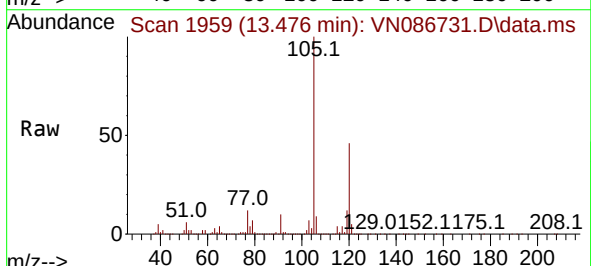
Acq: 21 May 2025 15:05

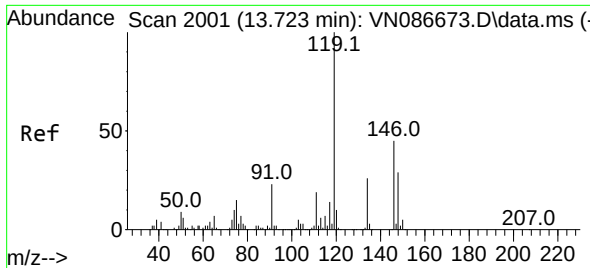
Tgt Ion:105 Resp: 1114656

Ion Ratio Lower Upper

105 100

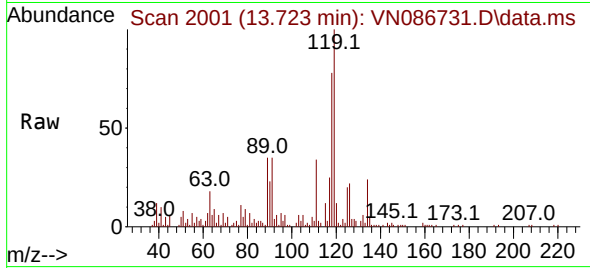
120 46.4 23.2 69.6





#86  
p-Isopropyltoluene  
Concen: 3.629 ug/l  
RT: 13.723 min Scan# 2001  
Delta R.T. -0.000 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05

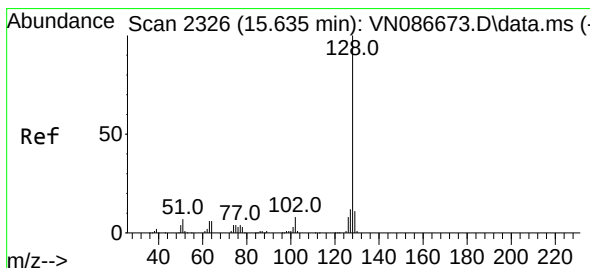
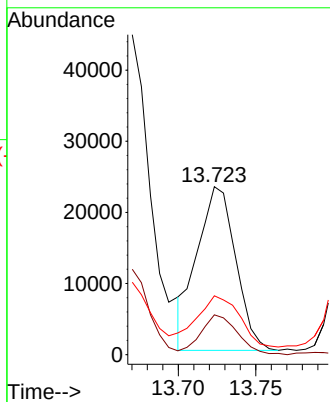
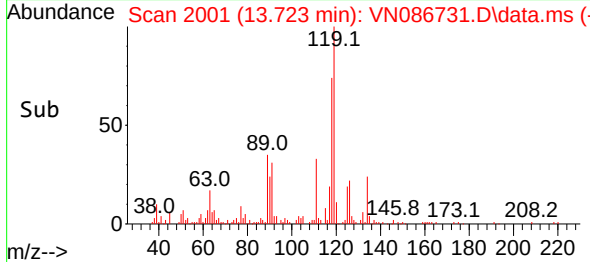
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A4-05-G



Tgt Ion:119 Resp: 40052  
Ion Ratio Lower Upper  
119 100  
134 23.1 13.1 39.1  
91 0.0 11.5 34.5

Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/22/2025  
Supervised By :Mahesh Dadoda 05/22/2025



#95  
Naphthalene  
Concen: 3239.339 ug/l m  
RT: 15.623 min Scan# 2324  
Delta R.T. -0.012 min  
Lab File: VN086731.D  
Acq: 21 May 2025 15:05

Tgt Ion:128 Resp:28266857  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.1 15.1#  
129 0.0 8.6 13.0#

