

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091824\  
 Data File : VN083984.D  
 Acq On : 18 Sep 2024 15:51  
 Operator : JC\MD  
 Sample : PB163447ZHE#01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB163447ZHE#01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/19/2024  
 Supervised By : Mahesh Dadoda 09/19/2024

Quant Time: Sep 19 01:35:23 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 2024  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.224          | 168  | 180412     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 314389     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 270175     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 115891     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 137449     | 50.526   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 101.060% |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 98173      | 48.777   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 97.560%  |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 377987     | 54.325   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 108.640% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 135812     | 47.310   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 94.620%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
| 16) Acetone                 | 4.430          | 43   | 21712      | 19.910   | ug/l   | 95       |
| 20) Methylene Chloride      | 5.277          | 84   | 6615       | 2.964    | ug/l # | 77       |
| 43) Isopropyl Acetate       | 8.688          | 43   | 252316m    | 50.636   | ug/l   |          |
| -----                       |                |      |            |          |        |          |

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

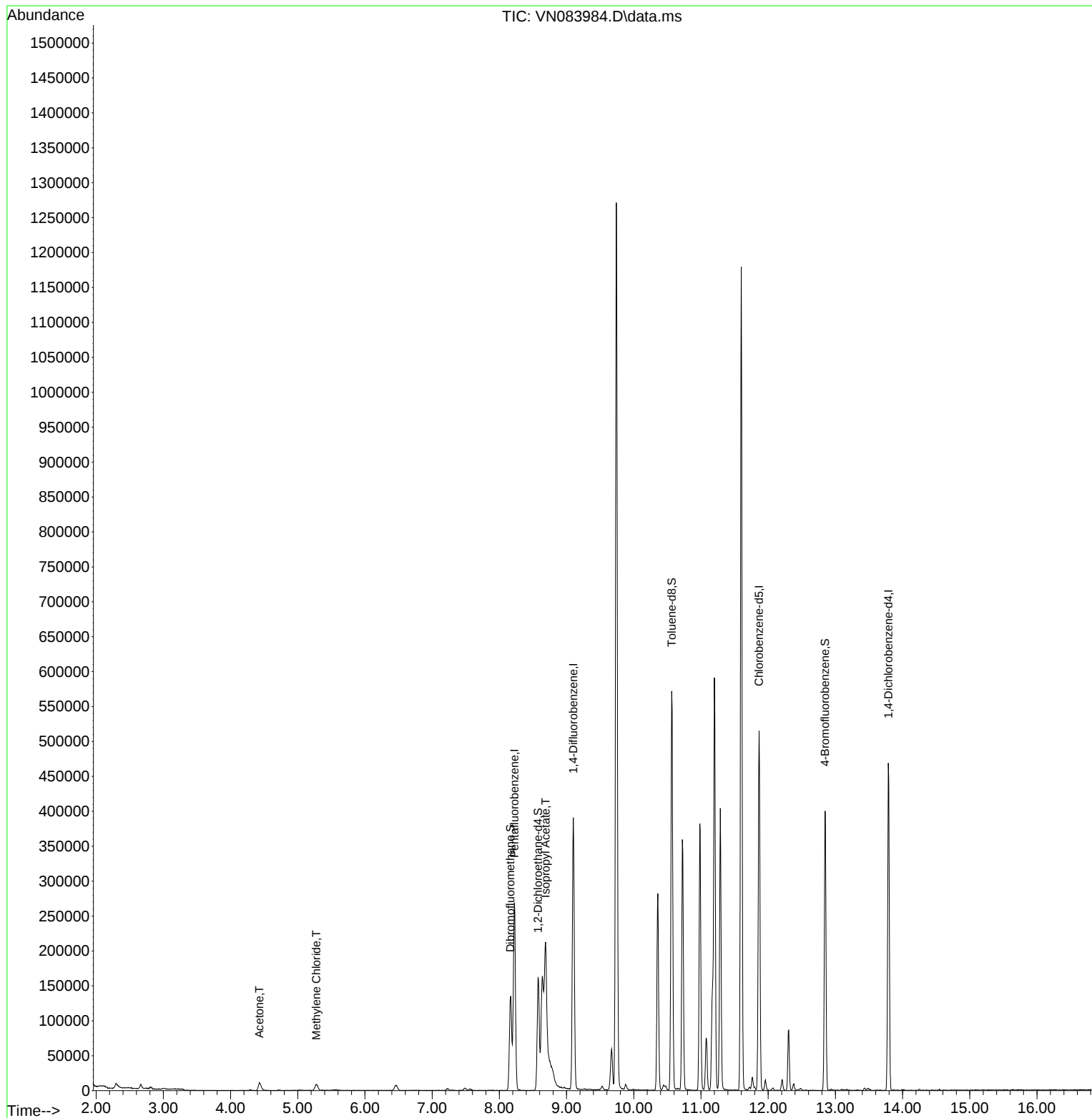
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091824\  
Data File : VN083984.D  
Acq On : 18 Sep 2024 15:51  
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ClientSampleId :  
PB163447ZHE#01

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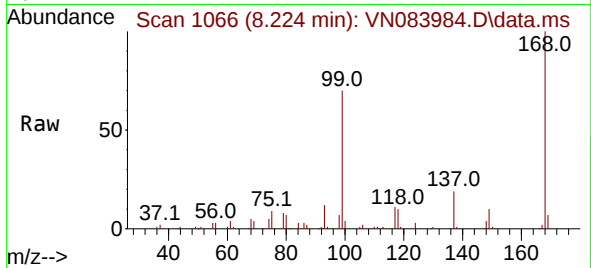
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 2024  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083984.D  
Acq: 18 Sep 2024 15:51

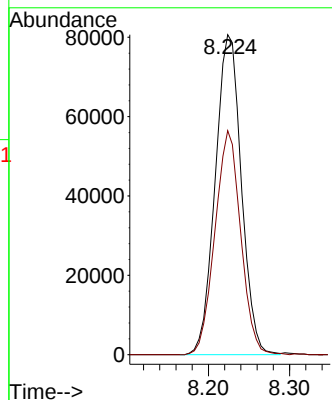
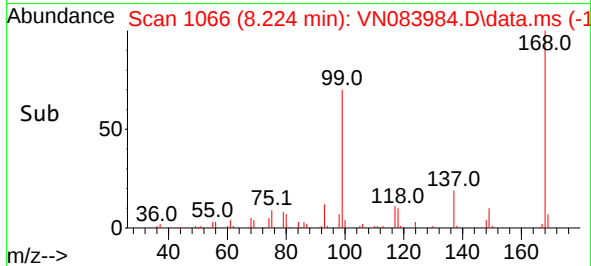
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163447ZHE#01



Tgt Ion:168 Resp: 180412  
Ion Ratio Lower Upper  
168 100  
99 70.0 54.2 81.2

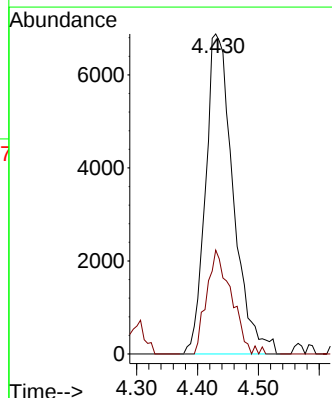
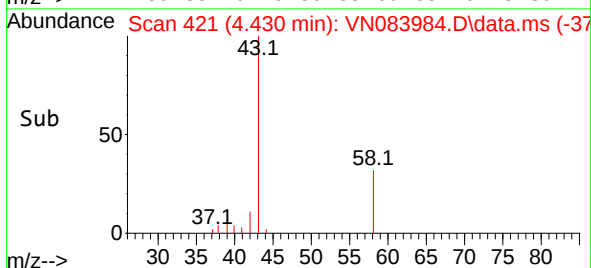
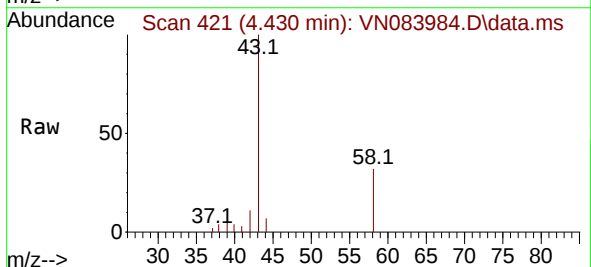
Manual Integrations  
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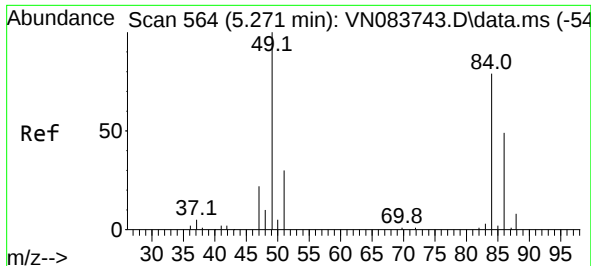
Reviewed By :John Carlone 09/19/2024  
Supervised By :Mahesh Dadoda 09/19/2024



#16  
Acetone  
Concen: 19.910 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. -0.000 min  
Lab File: VN083984.D  
Acq: 18 Sep 2024 15:51

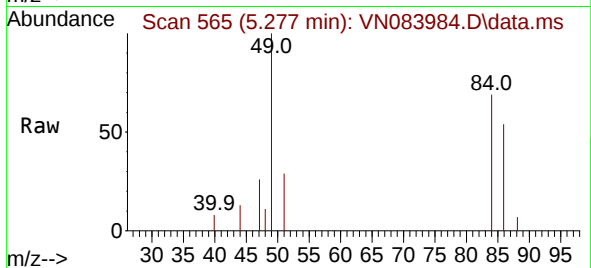
Tgt Ion: 43 Resp: 21712  
Ion Ratio Lower Upper  
43 100  
58 32.5 23.7 35.5





#20  
Methylene Chloride  
Concen: 2.964 ug/l  
RT: 5.277 min Scan# 501  
Delta R.T. 0.006 min  
Lab File: VN083984.D  
Acq: 18 Sep 2024 15:51

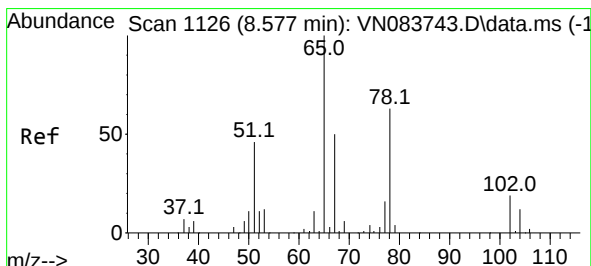
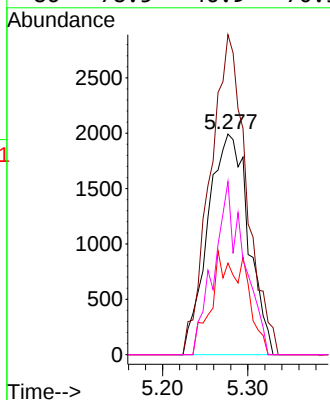
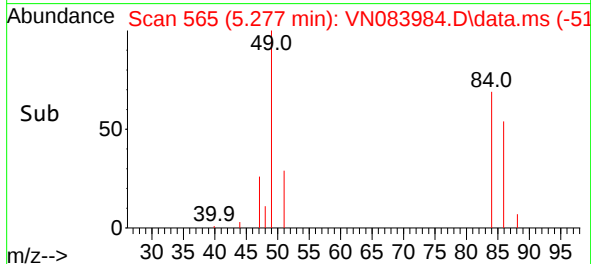
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163447ZHE#01



Tgt Ion: 84 Resp: 661  
Ion Ratio Lower Upper  
84 100  
49 145.1 93.4 140.0  
51 41.5 29.2 43.8  
86 78.5 46.9 70.3#

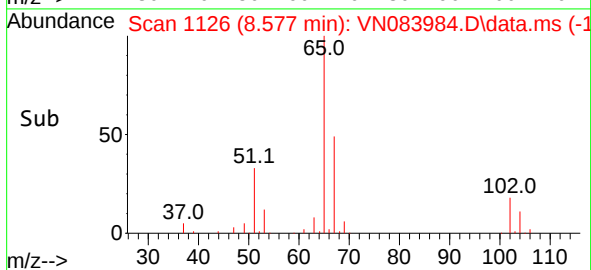
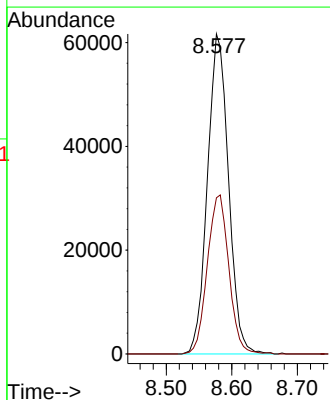
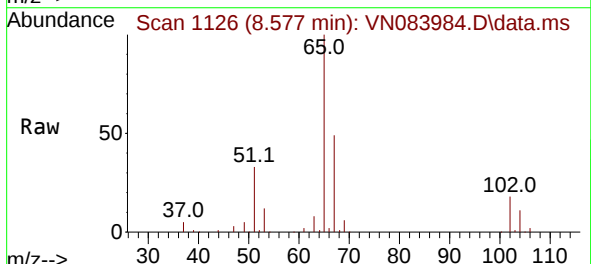
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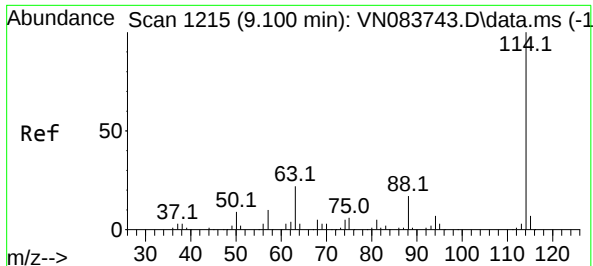
Reviewed By :John Carlone 09/19/2024  
Supervised By :Mahesh Dadoda 09/19/2024



#33  
1,2-Dichloroethane-d4  
Concen: 50.526 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN083984.D  
Acq: 18 Sep 2024 15:51

Tgt Ion: 65 Resp: 137449  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083984.D

Acq: 18 Sep 2024 15:51

Instrument :

MSVOA\_N

ClientSampleId :

PB163447ZHE#01

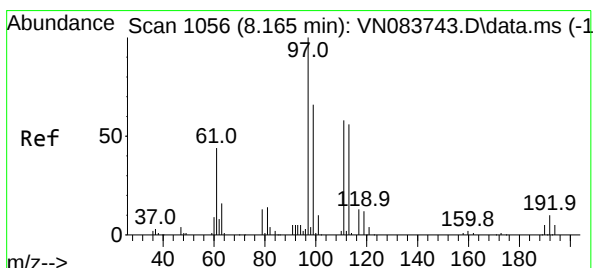
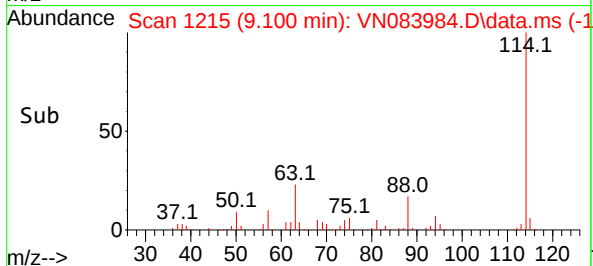
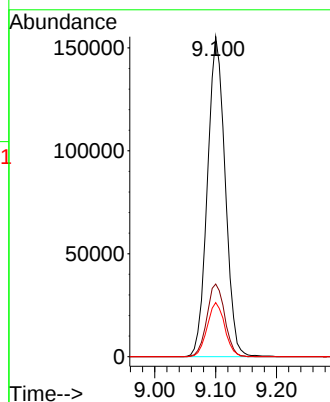
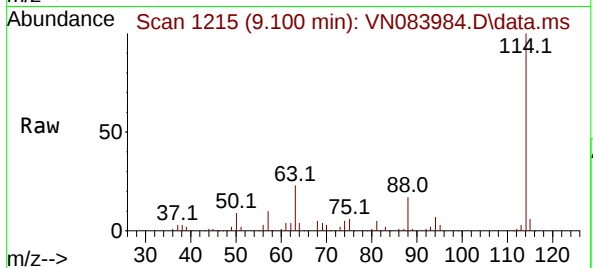
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 31438    |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 22.7  | 0.0 43.4 |
| 88          | 16.9  | 0.0 32.6 |

Manual Integrations

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#35

Dibromofluoromethane

Concen: 48.777 ug/l

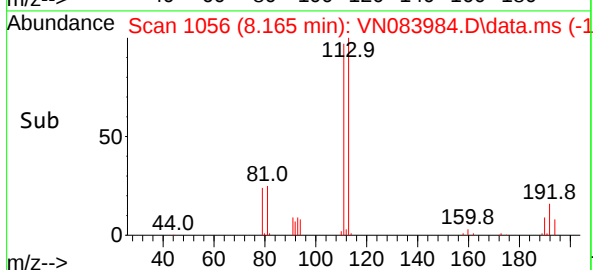
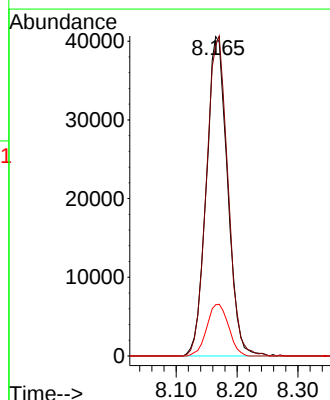
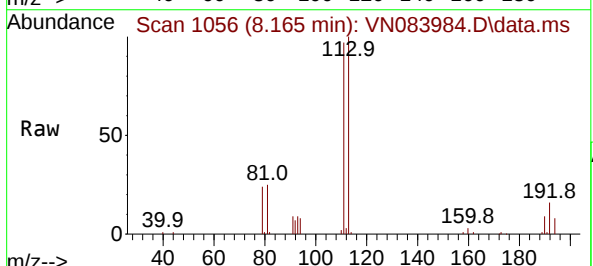
RT: 8.165 min Scan# 1056

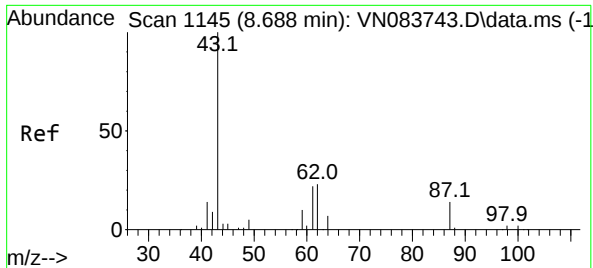
Delta R.T. -0.000 min

Lab File: VN083984.D

Acq: 18 Sep 2024 15:51

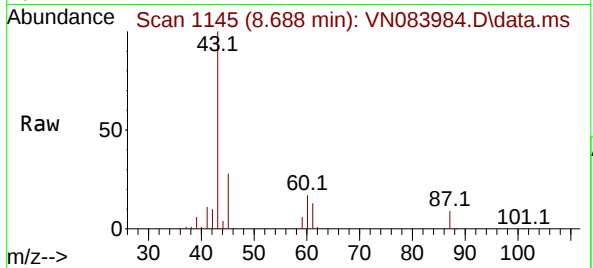
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 98173      |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 100.9 | 82.6 124.0 |
| 192         | 16.6  | 14.3 21.5  |





#43  
Isopropyl Acetate  
Concen: 50.636 ug/l m  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VN083984.D  
Acq: 18 Sep 2024 15:51

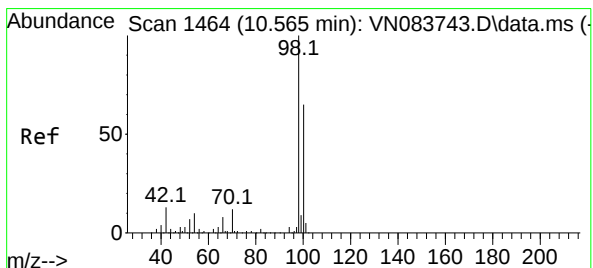
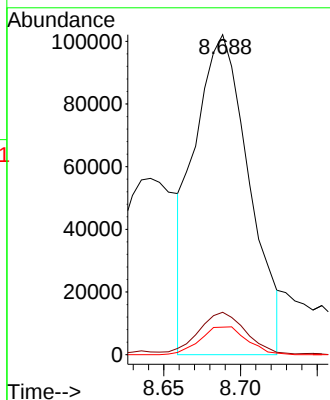
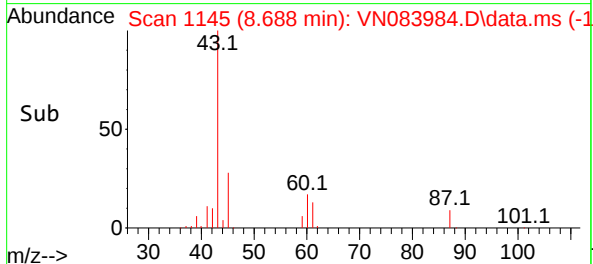
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163447ZHE#01



Tgt Ion: 43 Resp: 252310  
Ion Ratio Lower Upper  
43 100  
61 11.7 19.4 29.0  
87 7.5 9.8 14.6

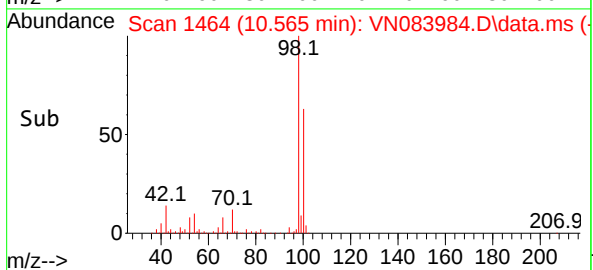
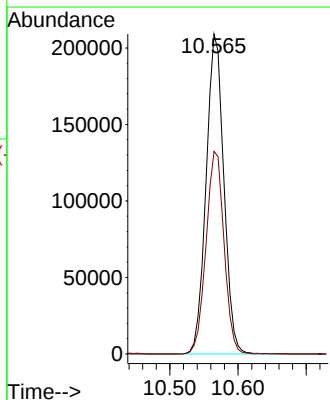
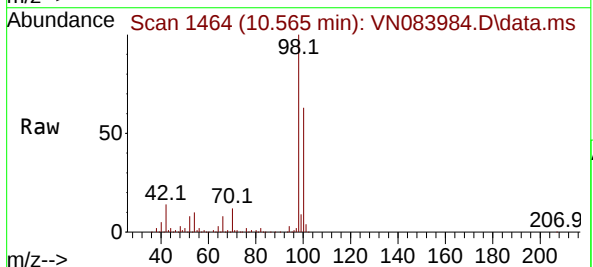
Manual Integrations  
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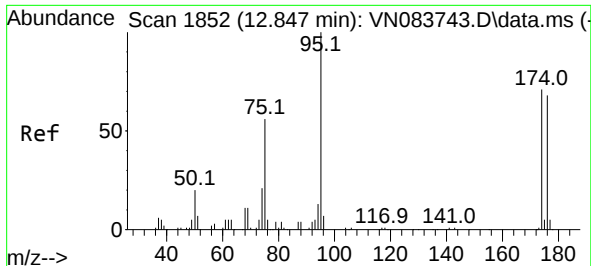
Reviewed By :John Carlone 09/19/2024  
Supervised By :Mahesh Dadoda 09/19/2024



#50  
Toluene-d8  
Concen: 54.325 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083984.D  
Acq: 18 Sep 2024 15:51

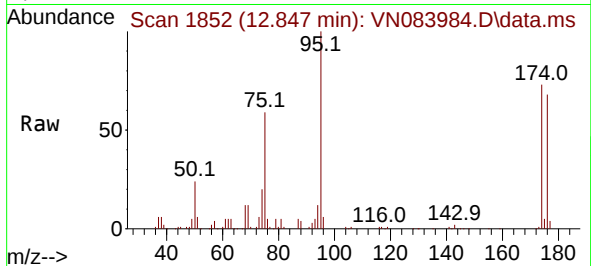
Tgt Ion: 98 Resp: 377987  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.0 78.0





#62  
4-Bromofluorobenzene  
Concen: 47.310 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN083984.D  
Acq: 18 Sep 2024 15:51

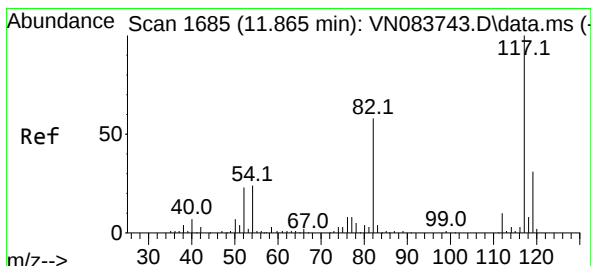
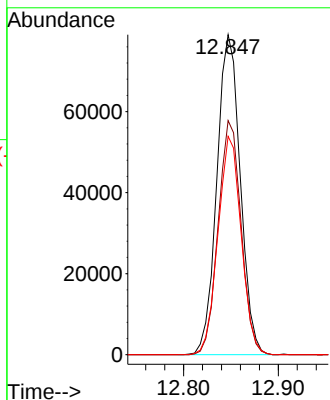
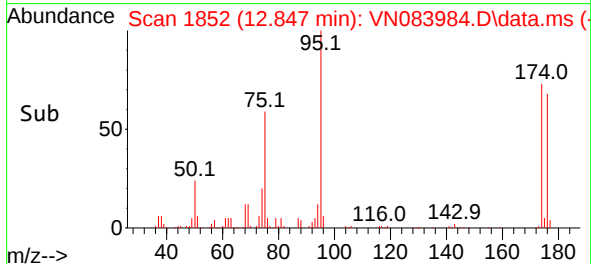
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163447ZHE#01



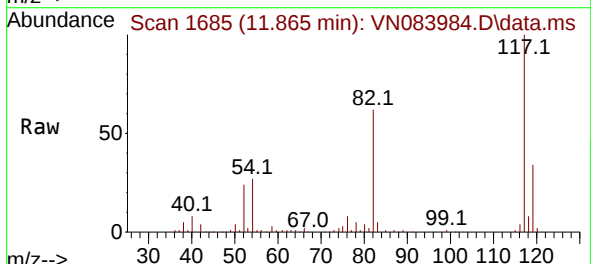
Tgt Ion: 95 Resp: 135812  
Ion Ratio Lower Upper  
95 100  
174 71.3 0.0 139.8  
176 67.6 0.0 131.4

Manual Integrations  
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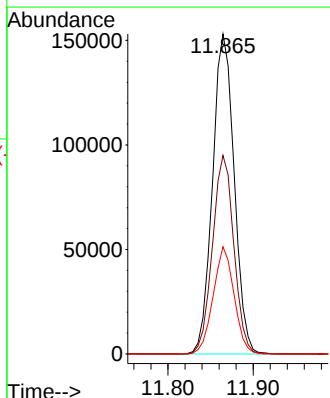
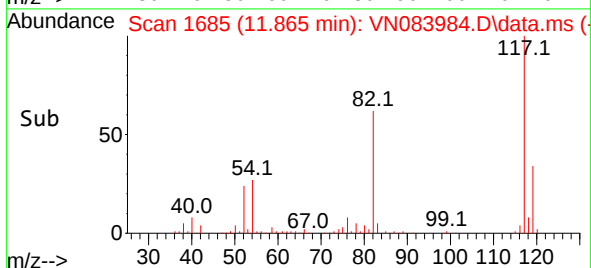
Reviewed By :John Carlone 09/19/2024  
Supervised By :Mahesh Dadoda 09/19/2024

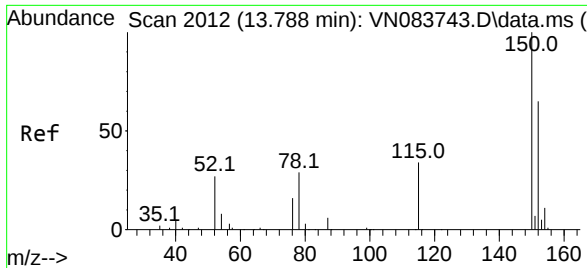


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN083984.D  
Acq: 18 Sep 2024 15:51



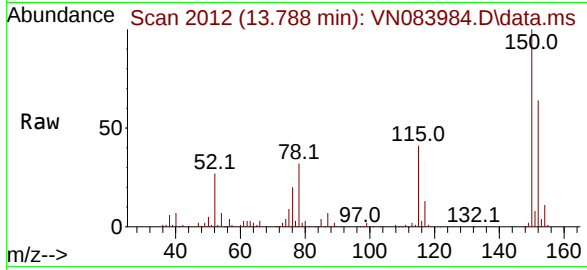
Tgt Ion:117 Resp: 270175  
Ion Ratio Lower Upper  
117 100  
82 62.0 47.4 71.0  
119 33.5 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN083984.D  
 Acq: 18 Sep 2024 15:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB163447ZHE#01



Tgt Ion:152 Resp: 11589  
 Ion Ratio Lower Upper  
 152 100  
 115 64.7 32.2 96.6  
 150 160.1 0.0 348.6

Manual Integrations  
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