

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112224\  
 Data File : VN085018.D  
 Acq On : 22 Nov 2024 20:05  
 Operator : JC\MD  
 Sample : P4845-23  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FSND-MW-18-20241112

Quant Time: Nov 23 03:26:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112224W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 23 02:54:10 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/25/2024  
 Supervised By : Mahesh Dadoda 11/25/2024

| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.218          | 168  | 169757              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.094          | 114  | 301590              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 265028              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 117323              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.571          | 65   | 124950              | 51.674 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 103.340% |        |        |          |
| 35) Dibromofluoromethane    | 8.159          | 113  | 99028               | 48.691 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 97.380%  |        |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 346771              | 47.576 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 95.160%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 127974              | 46.950 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 93.900%  |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        |        |          |
| 16) Acetone                 | 4.430          | 43   | 2023m               | 2.873  | ug/l   |          |
| 44) Trichloroethene         | 9.347          | 130  | 88308               | 43.613 | ug/l   | 90       |
| 64) Tetrachloroethene       | 11.100         | 164  | 2087                | 1.169  | ug/l # | 87       |
| 93) 1,2,4-Trichlorobenzene  | 15.400         | 180  | 581                 | 0.254  | ug/l   | 92       |
| 95) Naphthalene             | 15.647         | 128  | 1736                | 0.267  | ug/l # | 69       |
| -----                       |                |      |                     |        |        |          |

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

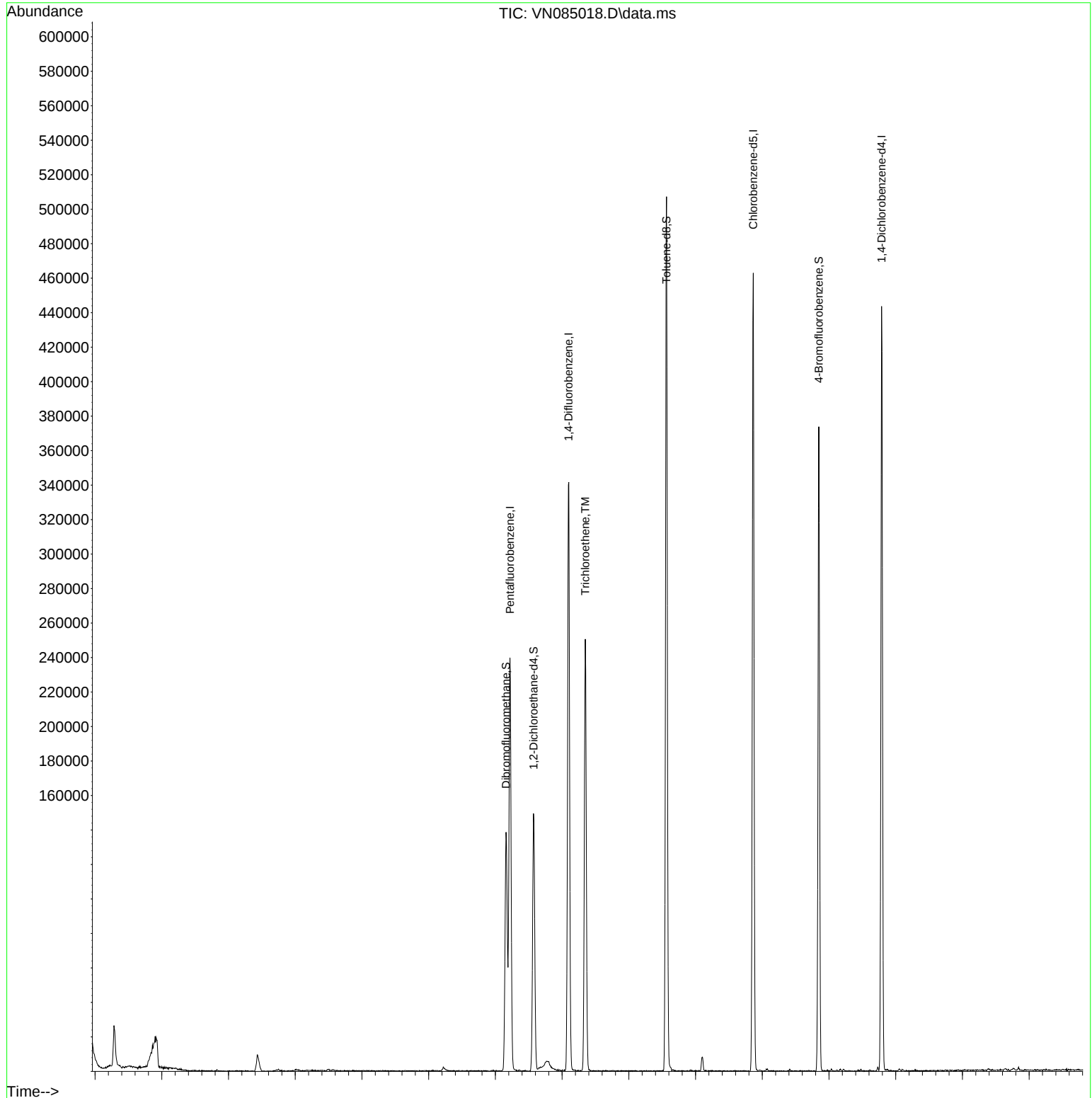
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112224\  
Data File : VN085018.D  
Acq On : 22 Nov 2024 20:05  
Operator : JC\MD  
Sample : P4845-23  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 19 Sample Multiplier: 1

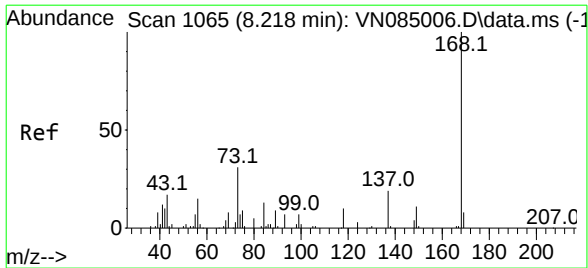
Instrument :  
MSVOA\_N  
ClientSampleId :  
FSND-MW-18-20241112

Quant Time: Nov 23 03:26:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112224W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 23 02:54:10 2024  
Response via : Initial Calibration

Manual Integrations  
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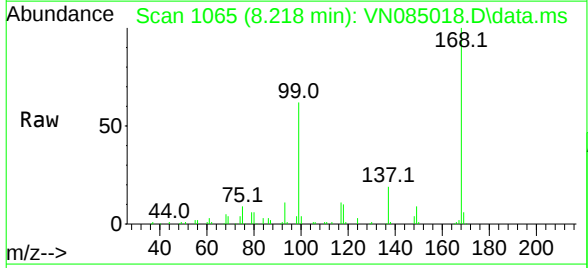
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VN085018.D  
Acq: 22 Nov 2024 20:05

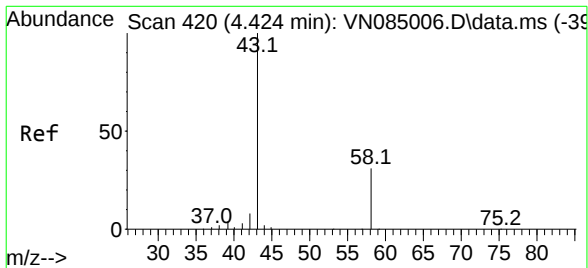
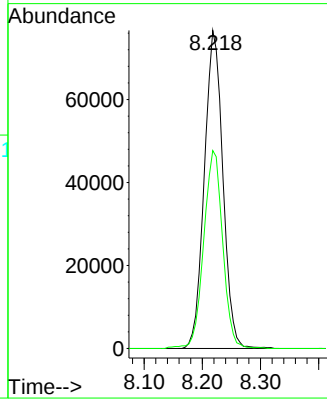
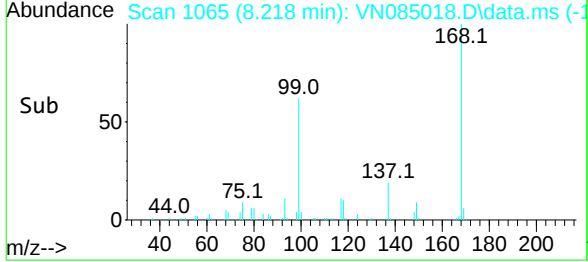
Instrument :  
MSVOA\_N  
ClientSampleId :  
FSND-MW-18-20241112



Tgt Ion: 168 Resp: 169757  
Ion Ratio Lower Upper  
168 100  
99 62.2 51.2 76.8

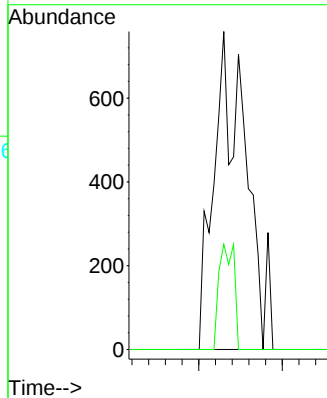
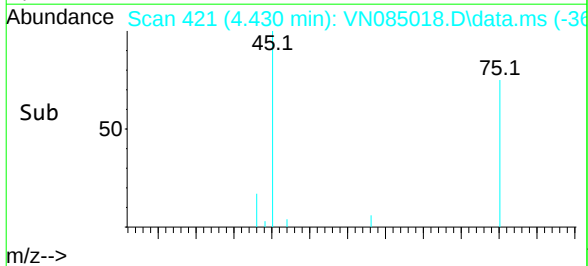
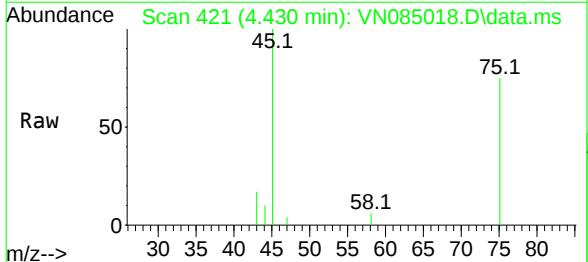
Manual Integrations  
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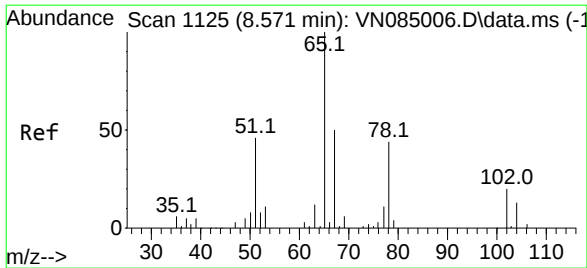
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#16  
Acetone  
Concen: 2.873 ug/l m  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN085018.D  
Acq: 22 Nov 2024 20:05

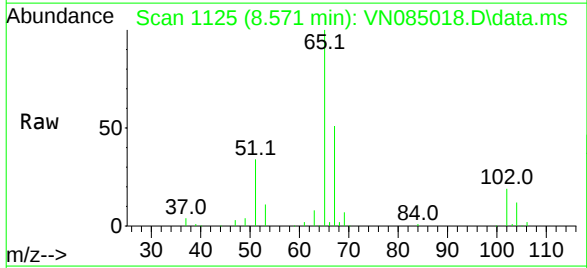
Tgt Ion: 43 Resp: 2023  
Ion Ratio Lower Upper  
43 100  
58 33.1 25.4 38.2





#33  
 1,2-Dichloroethane-d4  
 Concen: 51.674 ug/l  
 RT: 8.571 min Scan# 1125  
 Delta R.T. -0.000 min  
 Lab File: VN085018.D  
 Acq: 22 Nov 2024 20:05

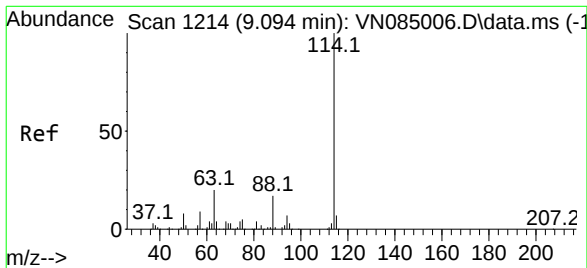
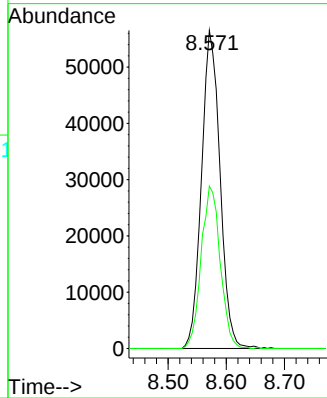
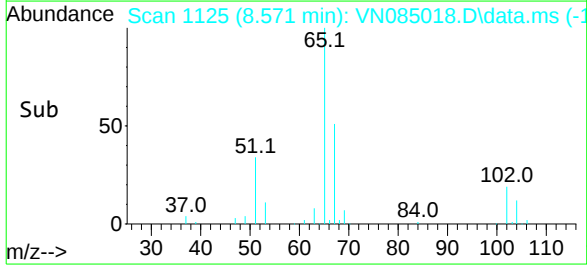
Instrument : MSVOA\_N  
 ClientSampleId : FSND-MW-18-20241112



Tgt Ion: 65 Resp: 124950  
 Ion Ratio Lower Upper  
 65 100  
 67 52.4 0.0 105.0

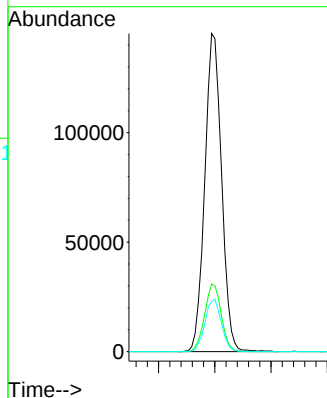
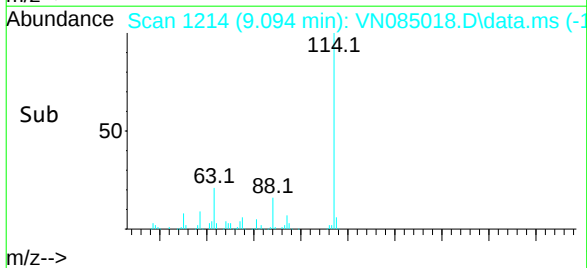
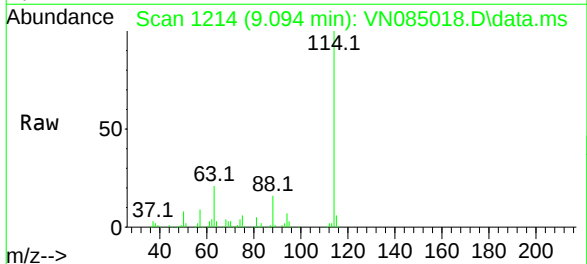
Manual Integrations  
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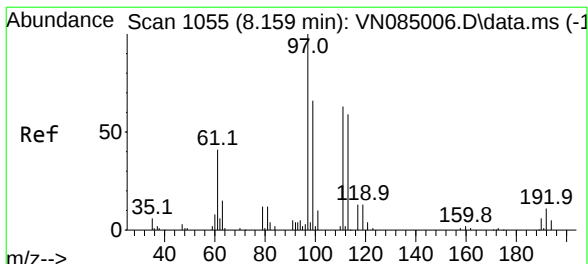
Reviewed By :John Carlone 11/25/2024  
 Supervised By :Mahesh Dadoda 11/25/2024



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.094 min Scan# 1214  
 Delta R.T. 0.000 min  
 Lab File: VN085018.D  
 Acq: 22 Nov 2024 20:05

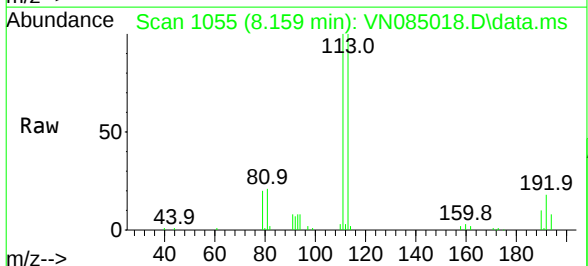
Tgt Ion:114 Resp: 301590  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 41.0  
 88 15.7 0.0 34.8





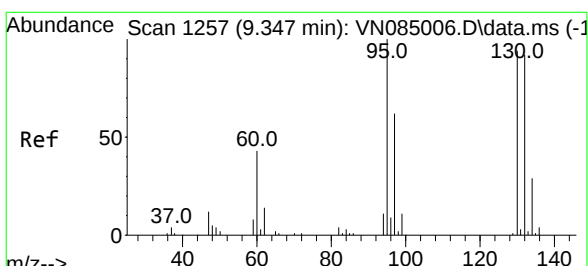
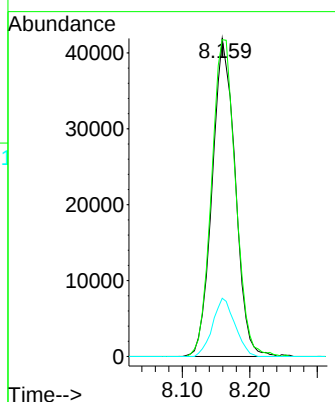
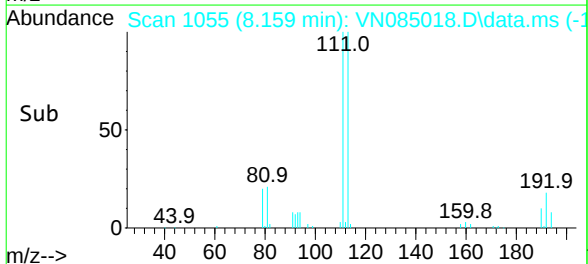
#35  
 Dibromofluoromethane  
 Concen: 48.691 ug/l  
 RT: 8.159 min Scan# 1055  
 Delta R.T. 0.000 min  
 Lab File: VN085018.D  
 Acq: 22 Nov 2024 20:05

Instrument : MSVOA\_N  
 ClientSampleId : FSND-MW-18-20241112



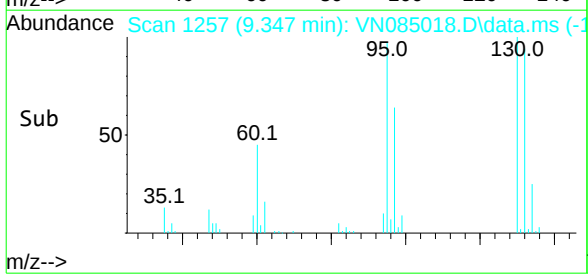
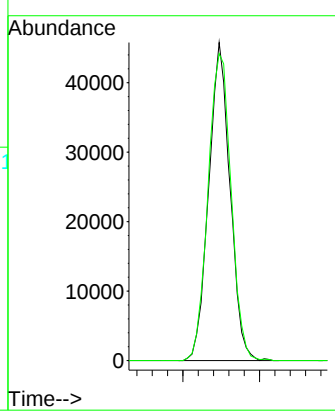
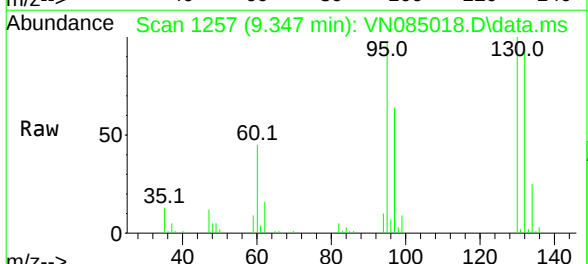
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 99028 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 104.3 | 82.0  | 123.0 |
| 192       | 17.8  | 14.8  | 22.2  |

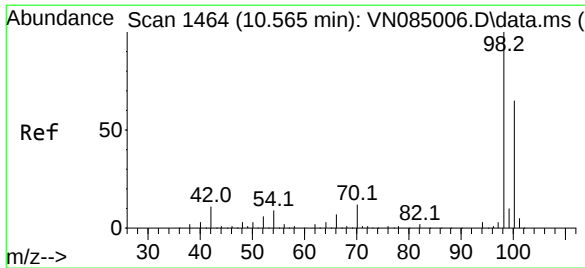
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 11/25/2024  
 Supervised By :Mahesh Dadoda 11/25/2024



#44  
 Trichloroethene  
 Concen: 43.613 ug/l  
 RT: 9.347 min Scan# 1257  
 Delta R.T. -0.000 min  
 Lab File: VN085018.D  
 Acq: 22 Nov 2024 20:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 88308 |
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 96.5  | 0.0   | 213.4 |





#50

Toluene-d8

Concen: 47.576 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

Instrument :

MSVOA\_N

ClientSampleId :

FSND-MW-18-20241112

Tgt Ion: 98 Resp: 346771

Ion Ratio Lower Upper

98 100

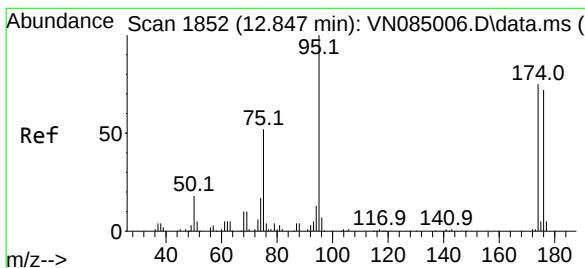
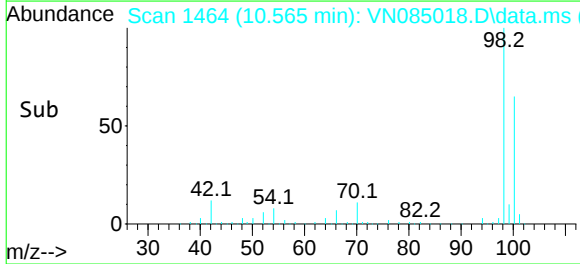
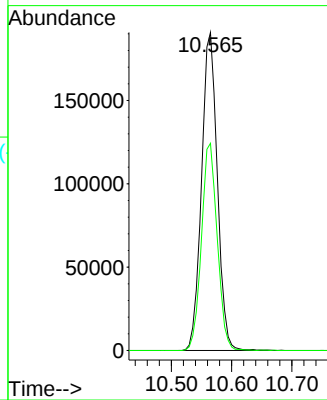
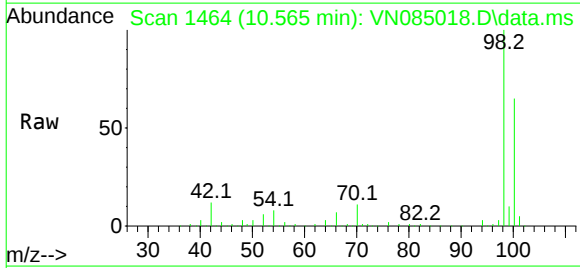
100 65.2 52.5 78.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#62

4-Bromofluorobenzene

Concen: 46.950 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

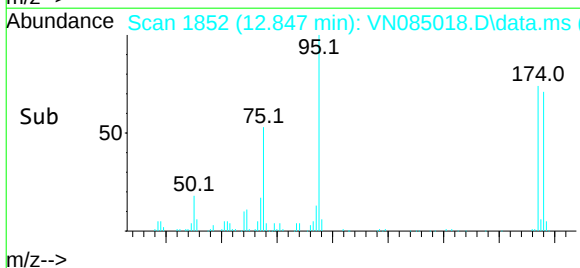
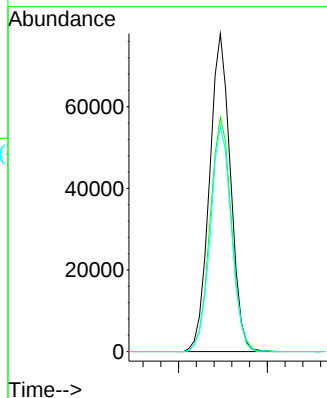
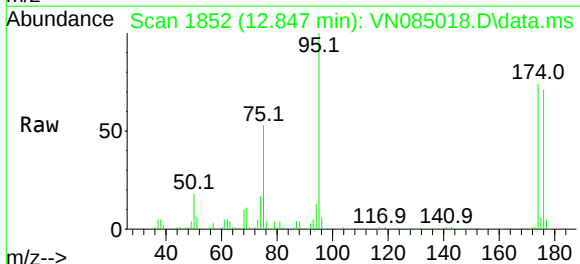
Tgt Ion: 95 Resp: 127974

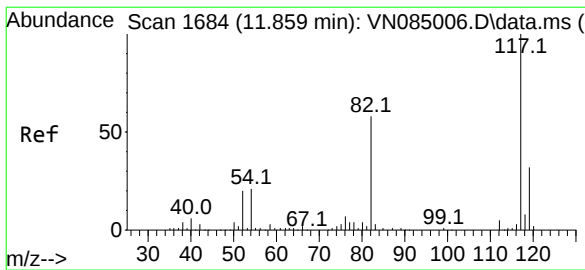
Ion Ratio Lower Upper

95 100

174 75.1 0.0 146.6

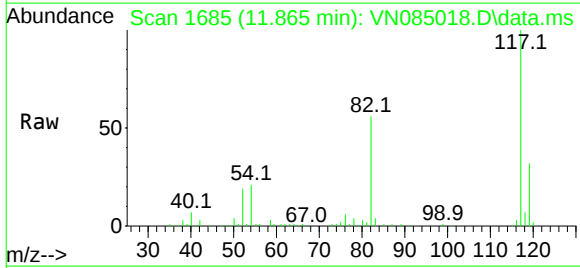
176 70.9 0.0 141.8





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1684  
Delta R.T. 0.006 min  
Lab File: VN085018.D  
Acq: 22 Nov 2024 20:05

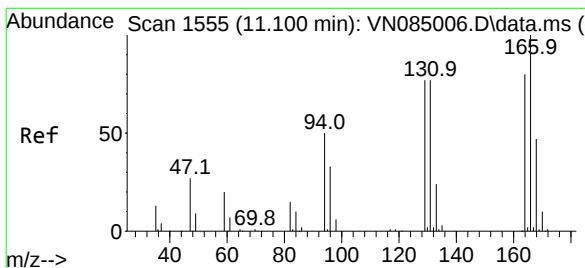
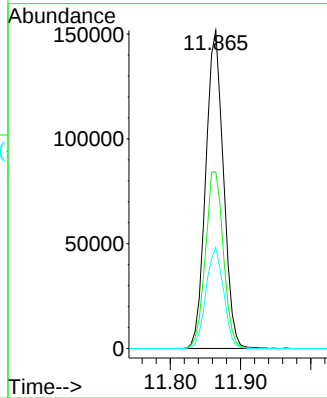
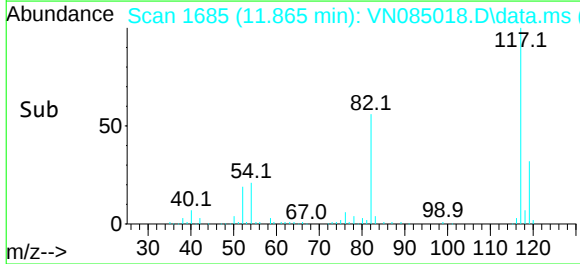
Instrument :  
MSVOA\_N  
ClientSampleId :  
FSND-MW-18-20241112



Tgt Ion:117 Resp: 265028  
Ion Ratio Lower Upper  
117 100  
82 55.5 46.0 69.0  
119 31.8 25.6 38.4

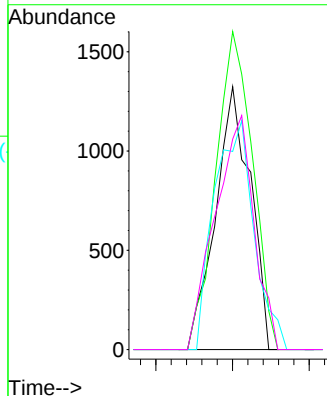
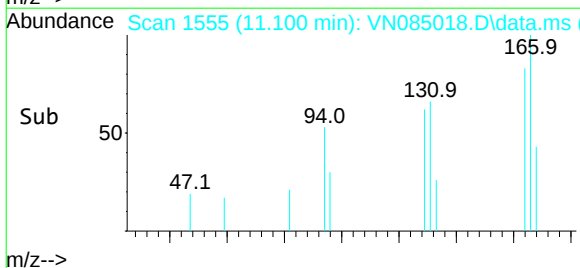
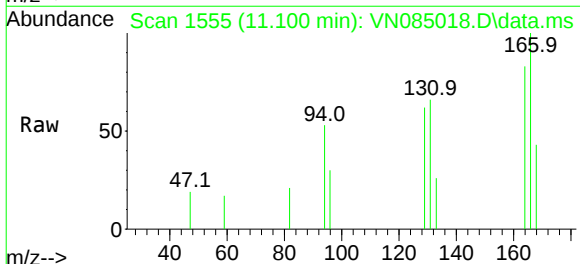
Manual Integrations  
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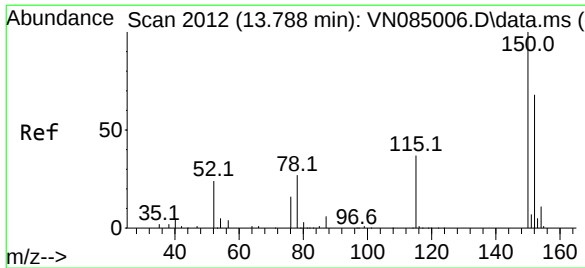
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#64  
Tetrachloroethene  
Concen: 1.169 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN085018.D  
Acq: 22 Nov 2024 20:05

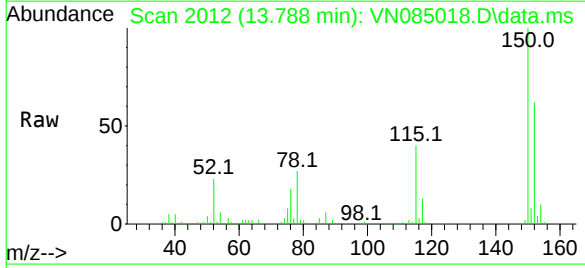
Tgt Ion:164 Resp: 2087  
Ion Ratio Lower Upper  
164 100  
166 121.0 100.6 151.0  
129 75.4 77.7 116.5#  
131 80.1 77.2 115.8





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN085018.D  
Acq: 22 Nov 2024 20:05

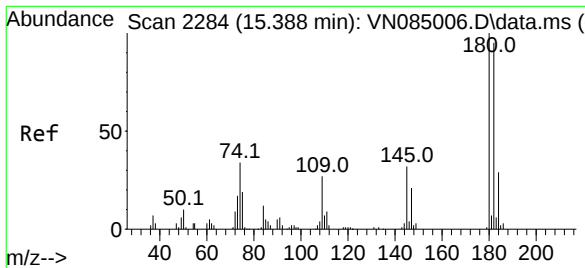
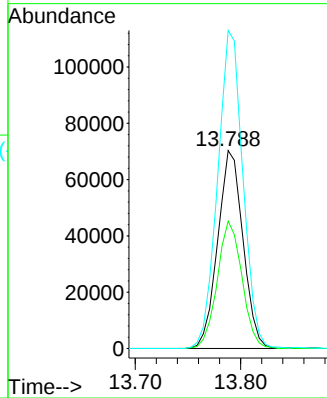
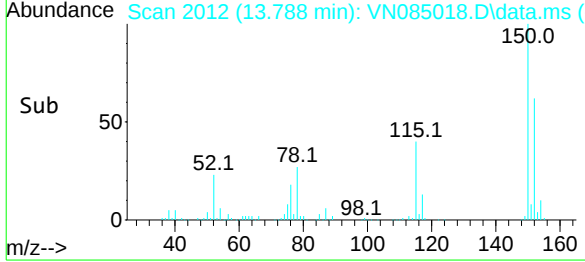
Instrument :  
MSVOA\_N  
ClientSampleId :  
FSND-MW-18-20241112



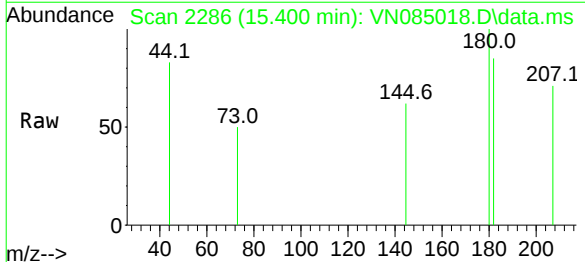
Tgt Ion:152 Resp: 117323  
Ion Ratio Lower Upper  
152 100  
115 62.8 31.7 95.1  
150 160.3 0.0 351.4

Manual Integrations  
APPROVED

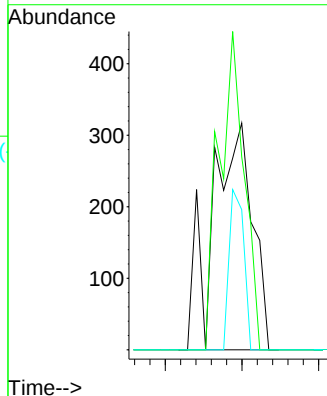
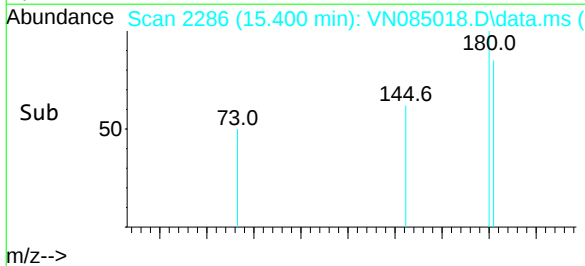
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

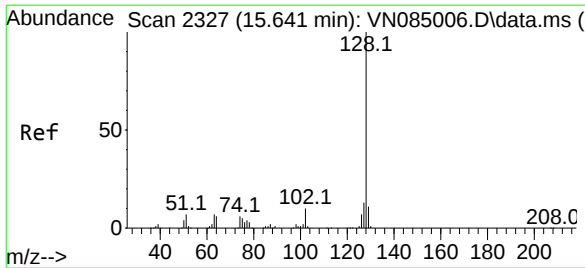


#93  
1,2,4-Trichlorobenzene  
Concen: 0.254 ug/l  
RT: 15.400 min Scan# 2286  
Delta R.T. 0.012 min  
Lab File: VN085018.D  
Acq: 22 Nov 2024 20:05



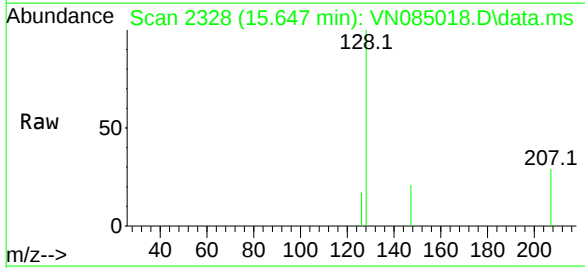
Tgt Ion:180 Resp: 581  
Ion Ratio Lower Upper  
180 100  
182 87.3 46.9 140.8  
145 25.5 16.3 48.8





#95  
Naphthalene  
Concen: 0.267 ug/l  
RT: 15.647 min Scan# 2327  
Delta R.T. 0.006 min  
Lab File: VN085018.D  
Acq: 22 Nov 2024 20:05

Instrument : MSVOA\_N  
ClientSampleId : FSND-MW-18-20241112



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 1736  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 0.0   | 10.6  | 16.0# |
| 129       | 0.0   | 8.6   | 12.8# |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

