

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121724\  
 Data File : VN085232.D  
 Acq On : 17 Dec 2024 18:21  
 Operator : JC\MD  
 Sample : P5291-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW5-20241213

Quant Time: Dec 18 00:30:39 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

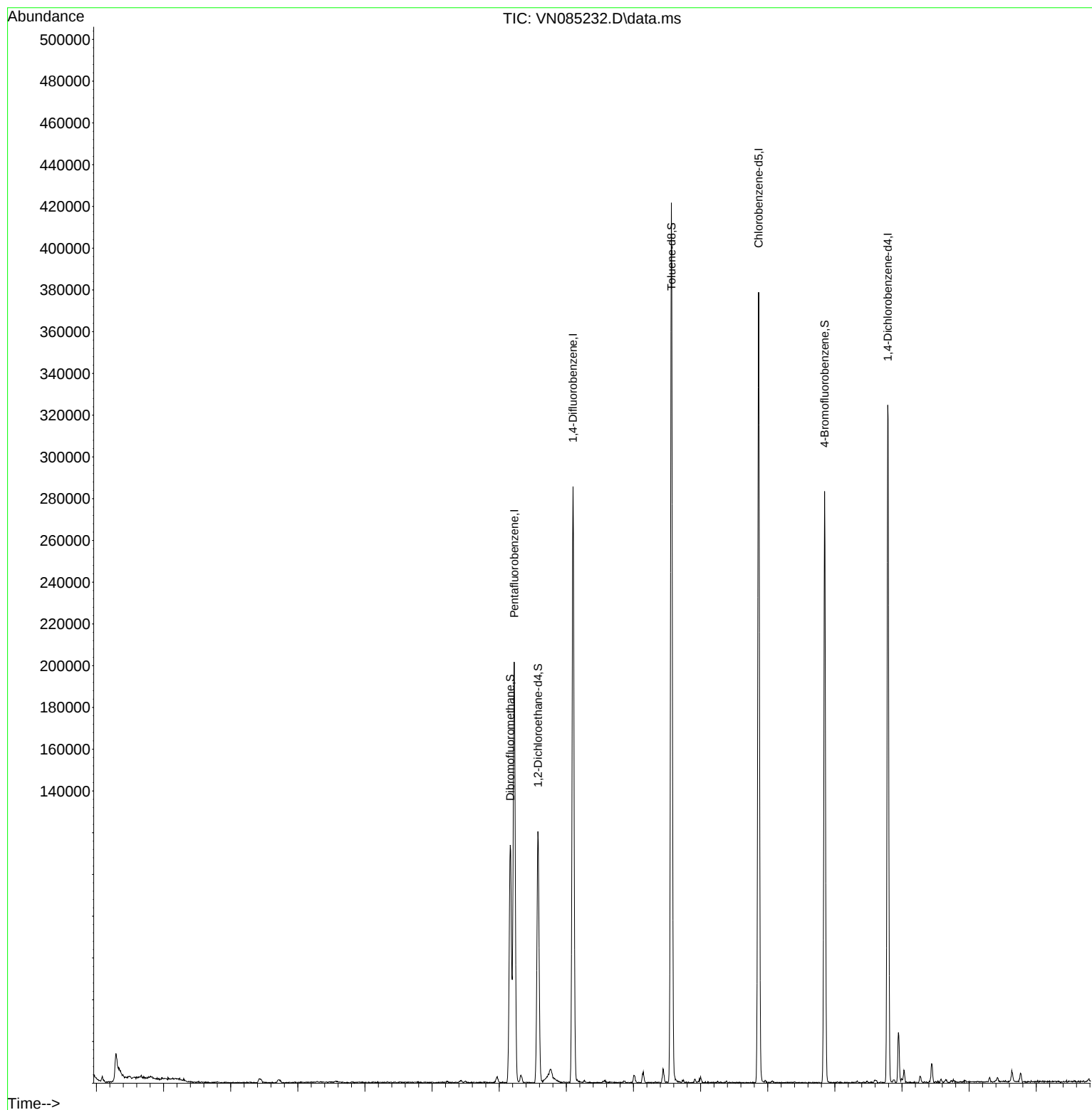
| Compound                    | R.T.           | QIon | Response            | Conc   | Units | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|-------|----------|
| -----                       |                |      |                     |        |       |          |
| Internal Standards          |                |      |                     |        |       |          |
| 1) Pentafluorobenzene       | 8.224          | 168  | 141905              | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 245442              | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 214558              | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 86832               | 50.000 | ug/l  | 0.00     |
|                             |                |      |                     |        |       |          |
| System Monitoring Compounds |                |      |                     |        |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 103007              | 50.960 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 101.920% |        |       |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 83293               | 50.323 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 100.640% |        |       |          |
| 50) Toluene-d8              | 10.565         | 98   | 288503              | 48.637 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 97.280%  |        |       |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 97926               | 44.145 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 88.280%  |        |       |          |
|                             |                |      |                     |        |       |          |
| Target Compounds            |                |      |                     |        |       |          |
| 16) Acetone                 | 4.436          | 43   | 4289                | 7.286  | ug/l  | 95       |
| 30) Chloroform              | 7.959          | 83   | 3020                | 0.928  | ug/l  | 88       |
| 51) 4-Methyl-2-Pentanone    | 10.441         | 43   | 4140                | 2.141  | ug/l  | 94       |
| 95) Naphthalene             | 15.635         | 128  | 5638                | 1.169  | ug/l  | 96       |
| -----                       |                |      |                     |        |       |          |

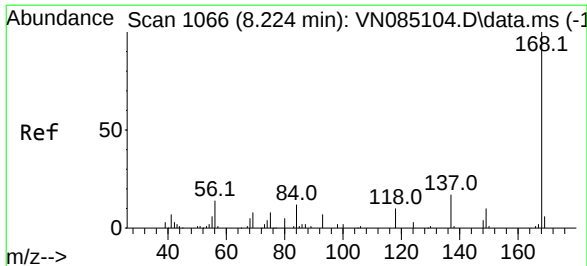
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P5291-04  
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MSVOA\_N  
ClientSampleId :  
MW5-20241213

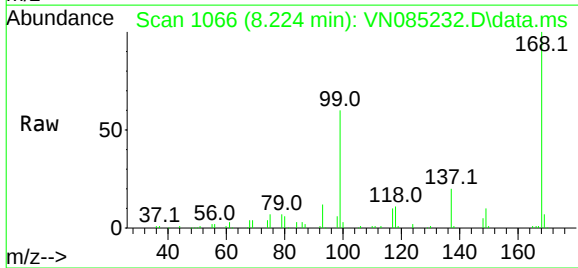
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112224W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 23 02:54:10 2024  
Response via : Initial Calibration



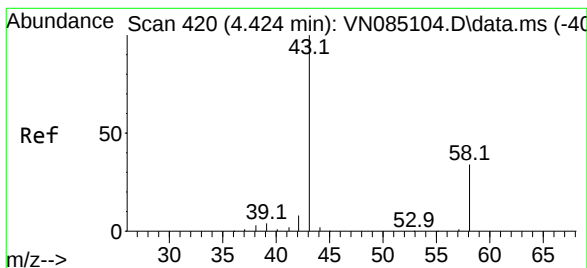
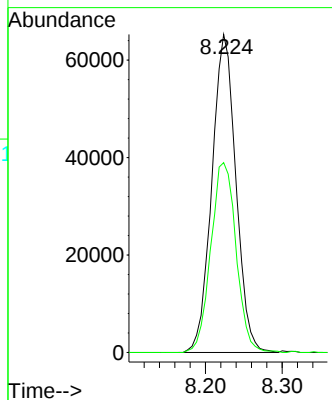
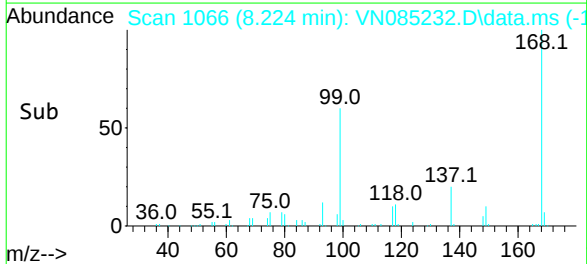


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085232.D  
Acq: 17 Dec 2024 18:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW5-20241213

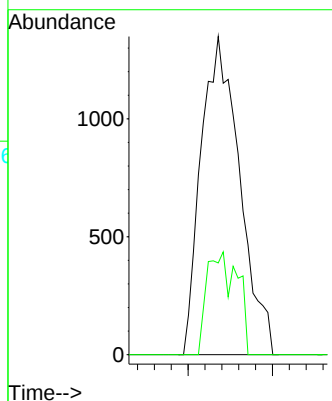
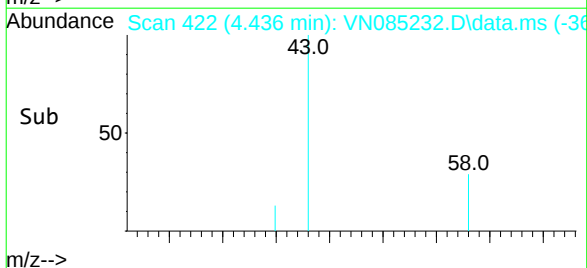
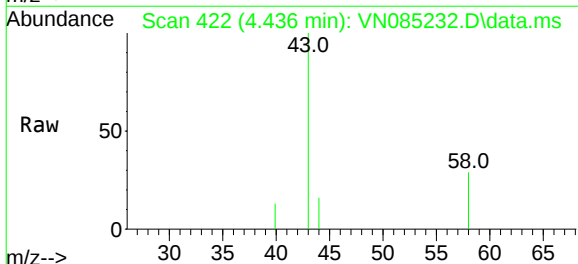


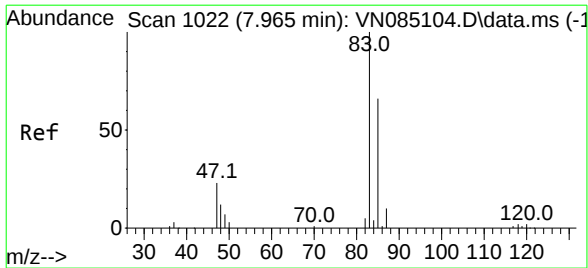
Tgt Ion:168 Resp: 141905  
Ion Ratio Lower Upper  
168 100  
99 59.7 51.2 76.8



#16  
Acetone  
Concen: 7.286 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN085232.D  
Acq: 17 Dec 2024 18:21

Tgt Ion: 43 Resp: 4289  
Ion Ratio Lower Upper  
43 100  
58 28.8 25.4 38.2

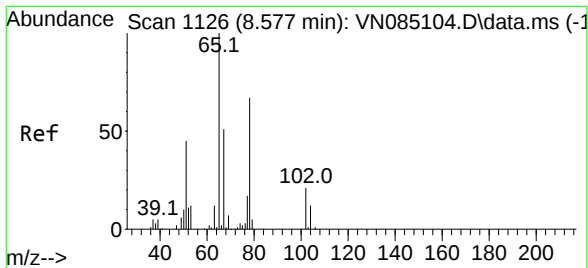
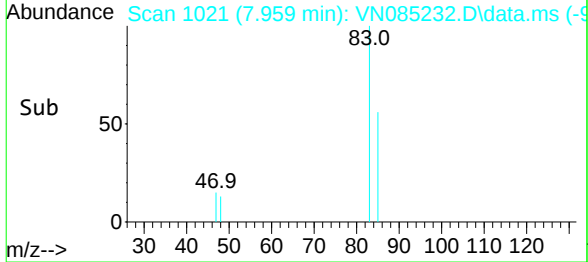
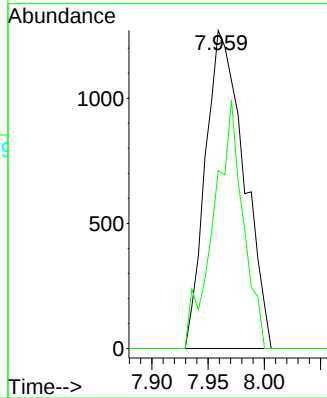
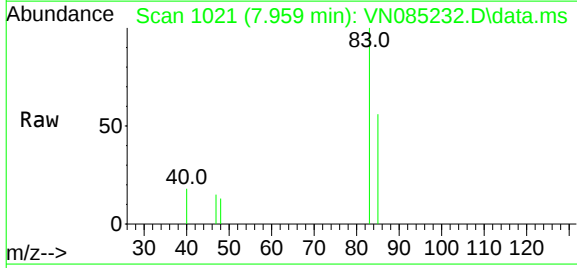




#30  
Chloroform  
Concen: 0.928 ug/l  
RT: 7.959 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: VN085232.D  
Acq: 17 Dec 2024 18:21

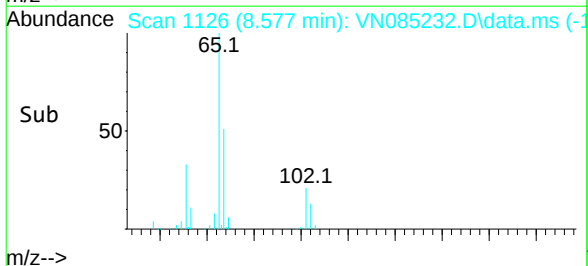
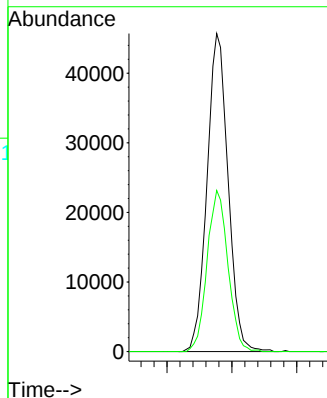
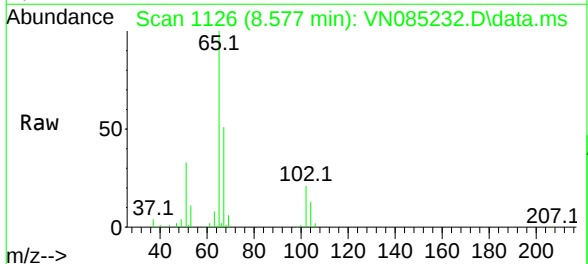
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW5-20241213

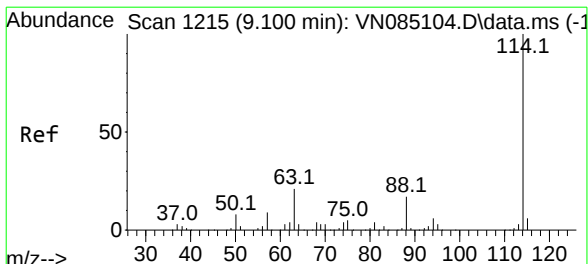
Tgt Ion: 83 Resp: 3020  
Ion Ratio Lower Upper  
83 100  
85 55.9 52.6 78.8



#33  
1,2-Dichloroethane-d4  
Concen: 50.960 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085232.D  
Acq: 17 Dec 2024 18:21

Tgt Ion: 65 Resp: 103007  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 105.0

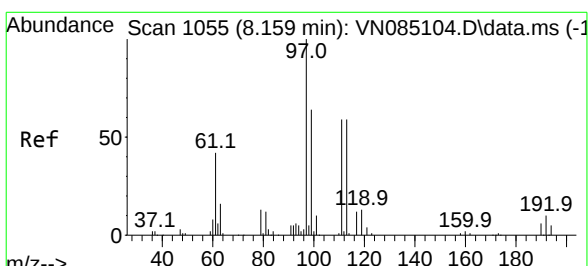
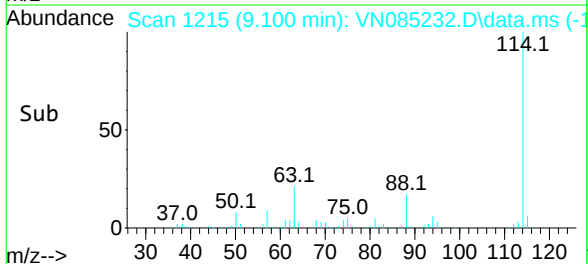
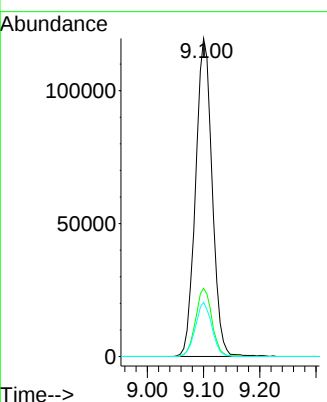
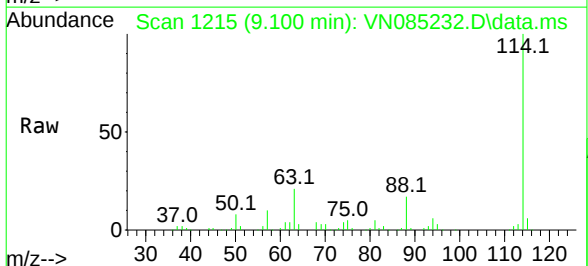




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.006 min  
 Lab File: VN085232.D  
 Acq: 17 Dec 2024 18:21

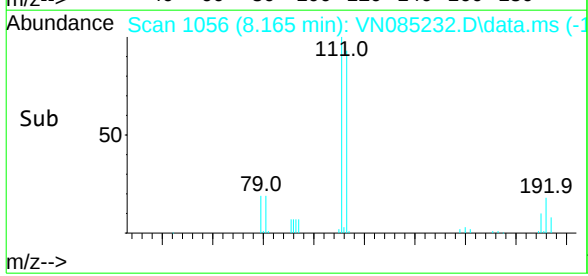
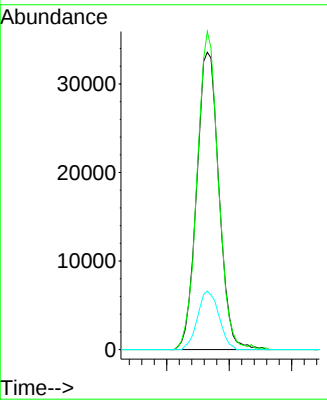
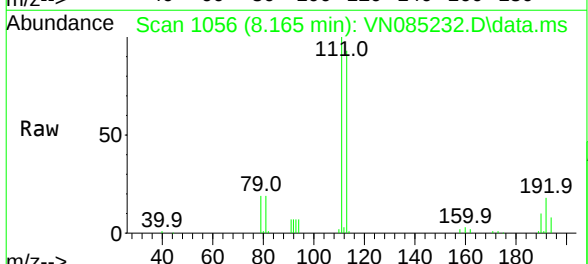
Instrument : MSVOA\_N  
 ClientSampleId : MW5-20241213

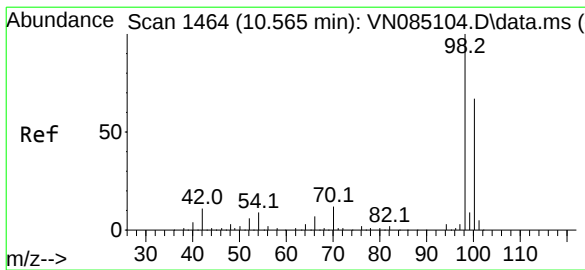
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 245442 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.5  | 0.0   | 41.0   |
| 88       | 17.1  | 0.0   | 34.8   |



#35  
 Dibromofluoromethane  
 Concen: 50.323 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.006 min  
 Lab File: VN085232.D  
 Acq: 17 Dec 2024 18:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 83293 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.8 | 82.0  | 123.0 |
| 192      | 18.8  | 14.8  | 22.2  |





#50

Toluene-d8

Concen: 48.637 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085232.D

Acq: 17 Dec 2024 18:21

Instrument :

MSVOA\_N

ClientSampleId :

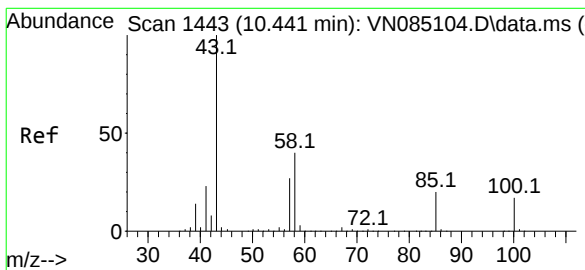
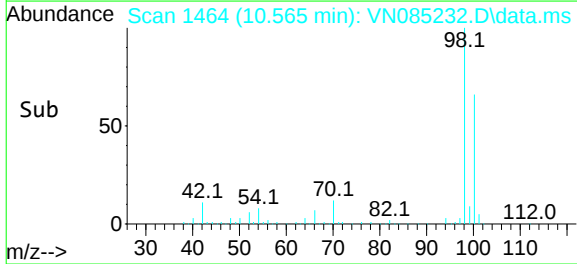
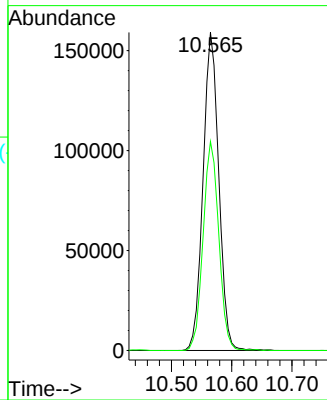
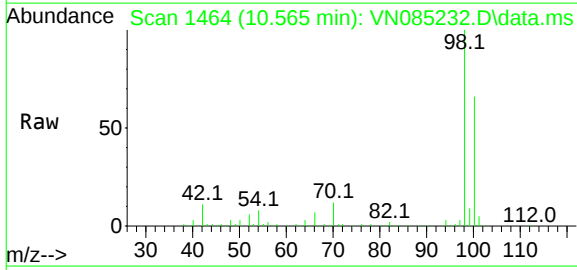
MW5-20241213

Tgt Ion: 98 Resp: 288503

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 2.141 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.000 min

Lab File: VN085232.D

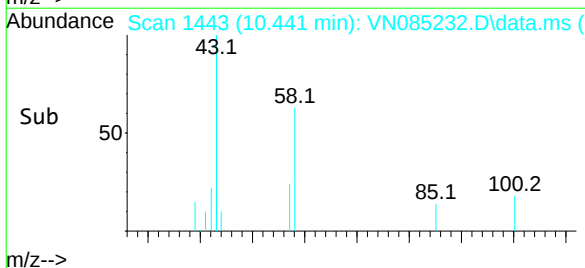
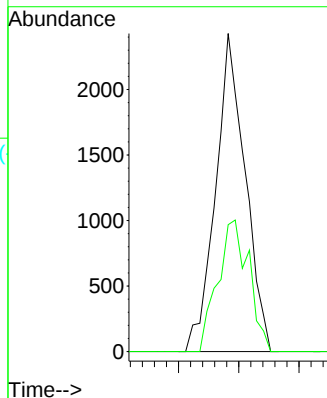
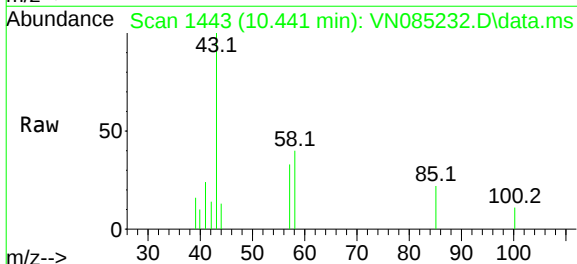
Acq: 17 Dec 2024 18:21

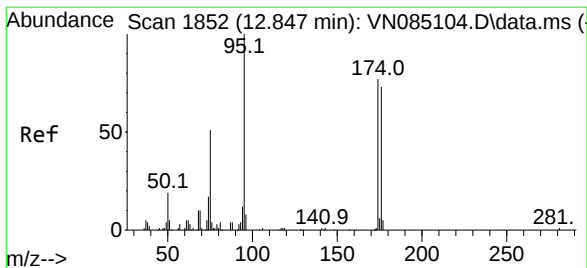
Tgt Ion: 43 Resp: 4140

Ion Ratio Lower Upper

43 100

58 43.6 32.1 48.1





#62

4-Bromofluorobenzene

Concen: 44.145 ug/l

RT: 12.847 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085232.D

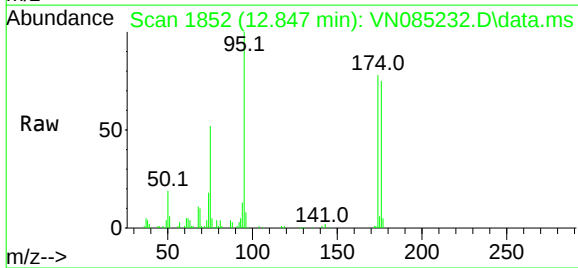
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Instrument :

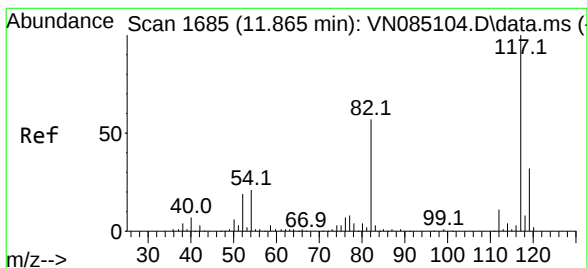
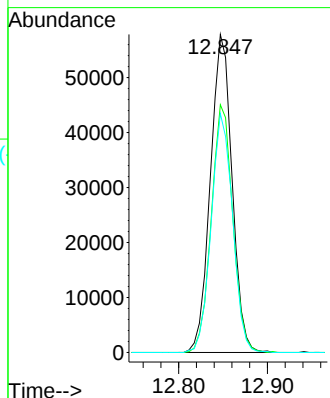
MSVOA\_N

ClientSampleId :

MW5-20241213



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 97926 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 77.4  | 0.0   | 146.6 |
| 176       | 74.3  | 0.0   | 141.8 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

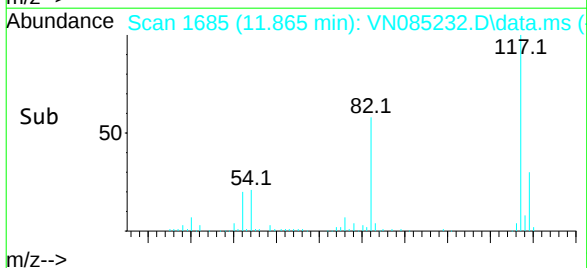
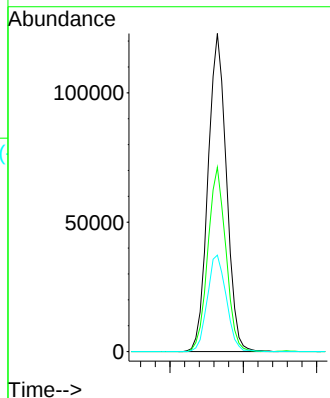
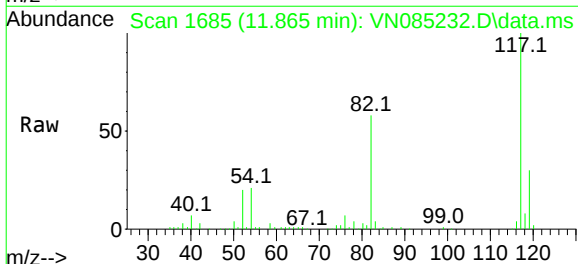
RT: 11.865 min Scan# 1685

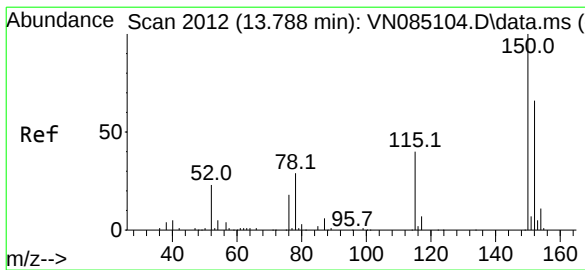
Delta R.T. 0.006 min

Lab File: VN085232.D

Acq: 17 Dec 2024 18:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 214558 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 58.0  | 46.0  | 69.0   |
| 119       | 30.3  | 25.6  | 38.4   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085232.D

Acq: 17 Dec 2024 18:21

Instrument :

MSVOA\_N

ClientSampleId :

MW5-20241213

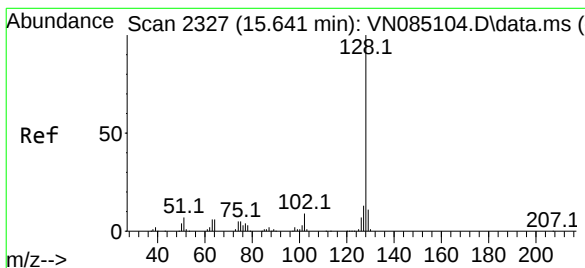
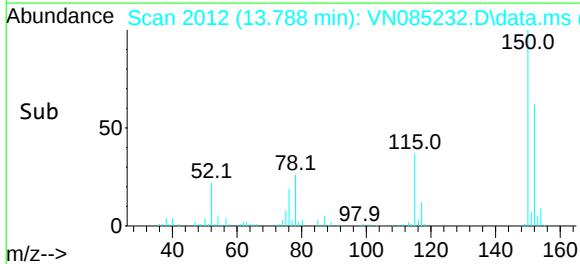
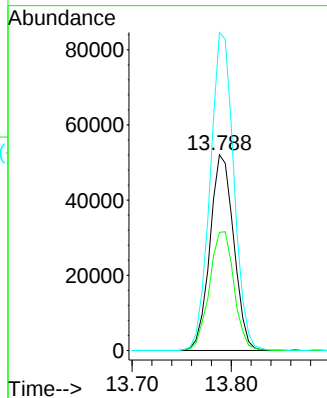
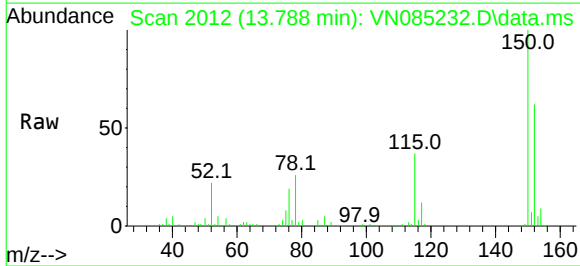
Tgt Ion:152 Resp: 86832

Ion Ratio Lower Upper

152 100

115 62.8 31.7 95.1

150 161.9 0.0 351.4



#95

Naphthalene

Concen: 1.169 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN085232.D

Acq: 17 Dec 2024 18:21

Tgt Ion:128 Resp: 5638

Ion Ratio Lower Upper

128 100

127 14.7 10.6 16.0

129 9.0 8.6 12.8

