

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100622\  
 Data File : VN074783.D  
 Acq On : 06 Oct 2022 15:03  
 Operator : JC\MD  
 Sample : N4910-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-4

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/07/2022  
 Supervised By : Mahesh Dadoda 10/07/2022

Quant Time: Oct 06 19:04:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 05:37:50 2022  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc   | Units | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|-------|----------|
| -----                       |                |      |                     |        |       |          |
| Internal Standards          |                |      |                     |        |       |          |
| 1) Pentafluorobenzene       | 8.230          | 168  | 234276              | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 9.106          | 114  | 439001              | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.871         | 117  | 445329              | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 216874              | 50.000 | ug/l  | 0.00     |
|                             |                |      |                     |        |       |          |
| System Monitoring Compounds |                |      |                     |        |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.588          | 65   | 320006              | 57.649 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 115.300% |        |       |          |
| 35) Dibromofluoromethane    | 8.177          | 113  | 242499              | 54.673 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 109.340% |        |       |          |
| 50) Toluene-d8              | 10.571         | 98   | 989963              | 52.015 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 104.040% |        |       |          |
| 62) 4-Bromofluorobenzene    | 12.853         | 95   | 256877              | 44.400 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 88.800%  |        |       |          |
|                             |                |      |                     |        |       |          |
| Target Compounds            |                |      |                     |        |       |          |
| 44) Trichloroethene         | 9.353          | 130  | 2846m               | 0.588  | ug/l  |          |
| 64) Tetrachloroethene       | 11.106         | 164  | 35018               | 9.686  | ug/l  | 95       |
| -----                       |                |      |                     |        |       |          |

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

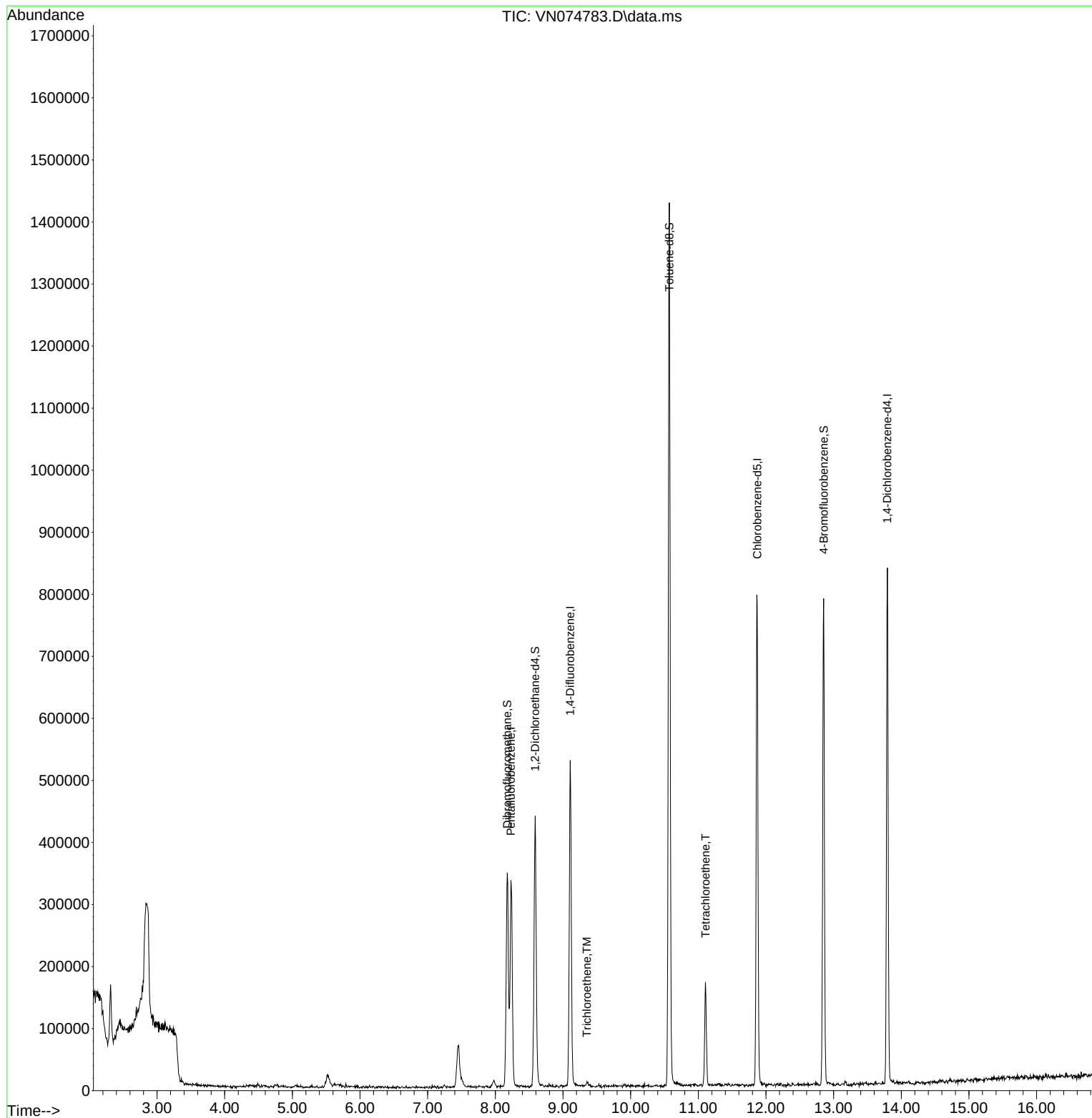
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100622\  
Data File : VN074783.D  
Acq On : 06 Oct 2022 15:03  
Operator : JC\MD  
Sample : N4910-05  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

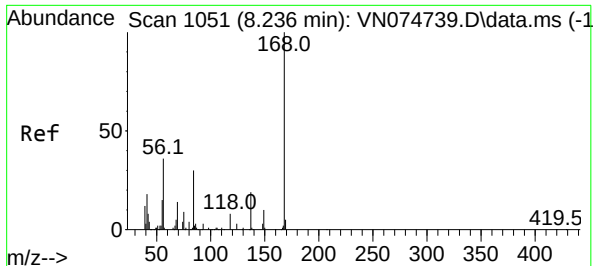
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-4

Manual Integrations  
APPROVED

Reviewed By : John Carlone 10/07/2022  
Supervised By : Mahesh Dadoda 10/07/2022

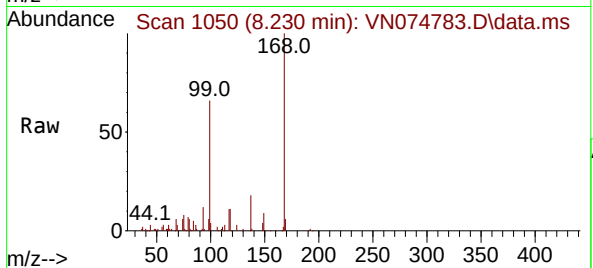
Quant Time: Oct 06 19:04:08 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100522W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 05:37:50 2022  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.006 min  
Lab File: VN074783.D  
Acq: 06 Oct 2022 15:03

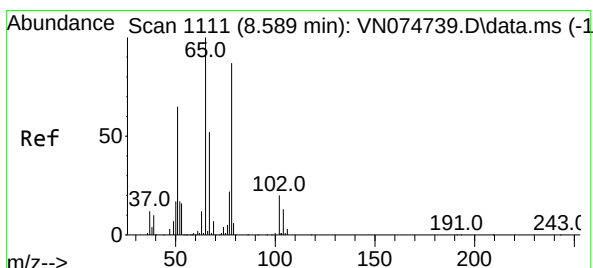
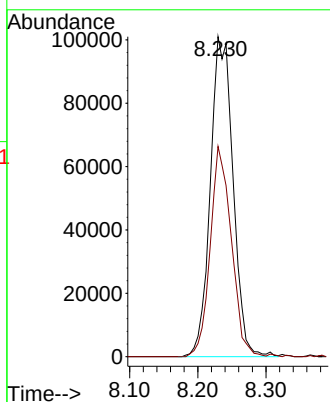
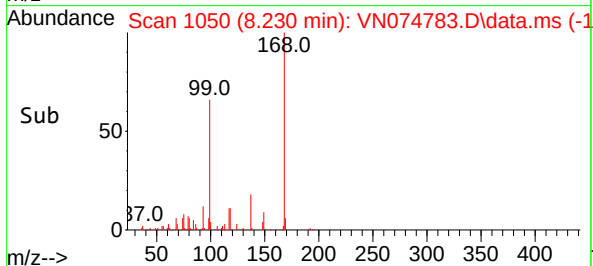
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-4



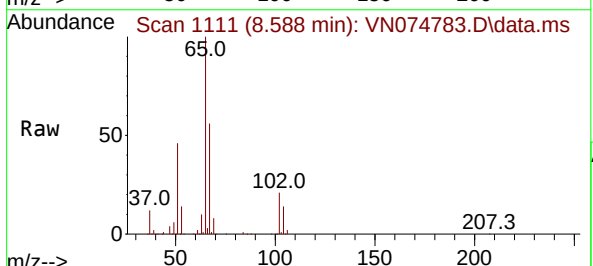
Tgt Ion:168 Resp: 234270  
Ion Ratio Lower Upper  
168 100  
99 65.7 42.8 64.2

Manual Integrations  
APPROVED

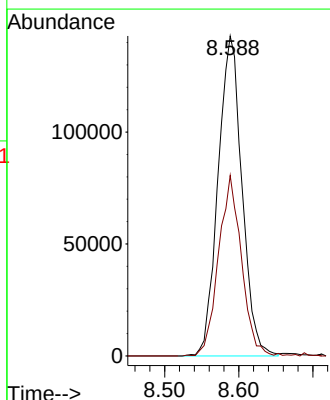
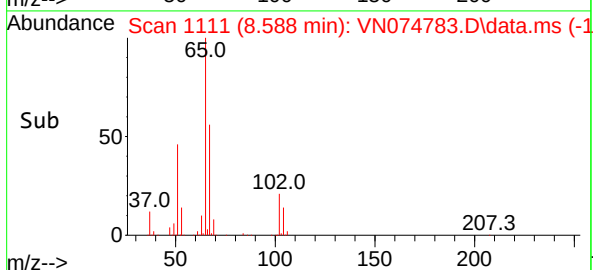
Reviewed By :John Carlone 10/07/2022  
Supervised By :Mahesh Dadoda 10/07/2022

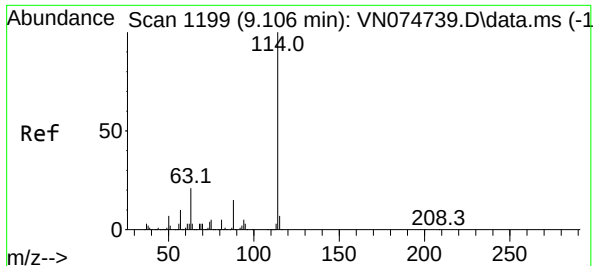


#33  
1,2-Dichloroethane-d4  
Concen: 57.649 ug/l  
RT: 8.588 min Scan# 1111  
Delta R.T. -0.000 min  
Lab File: VN074783.D  
Acq: 06 Oct 2022 15:03



Tgt Ion: 65 Resp: 320006  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN074783.D

Acq: 06 Oct 2022 15:03

Instrument :

MSVOA\_N

ClientSampleId :

MW-4

Tgt Ion:114 Resp: 439000

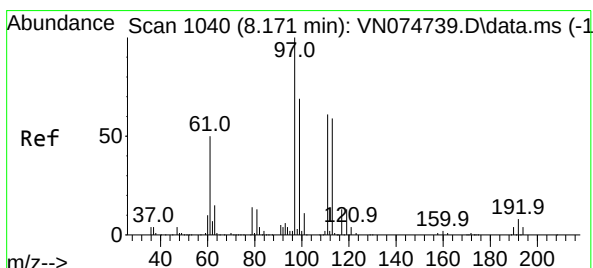
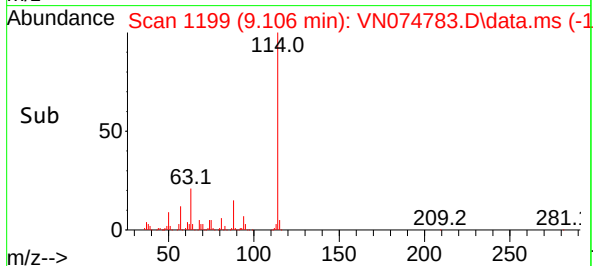
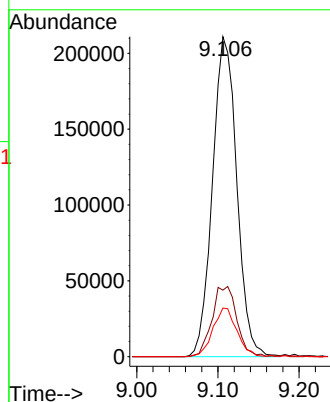
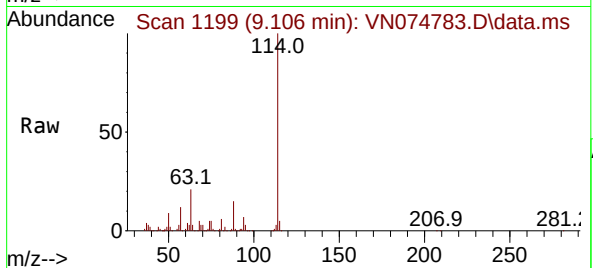
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.8  | 0.0   | 41.2  |
| 88  | 15.2  | 0.0   | 30.2  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/07/2022

Supervised By :Mahesh Dadoda 10/07/2022



#35

Dibromofluoromethane

Concen: 54.673 ug/l

RT: 8.177 min Scan# 1041

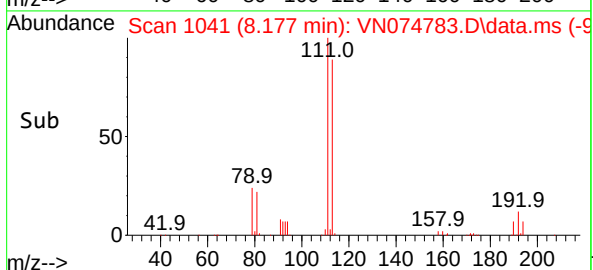
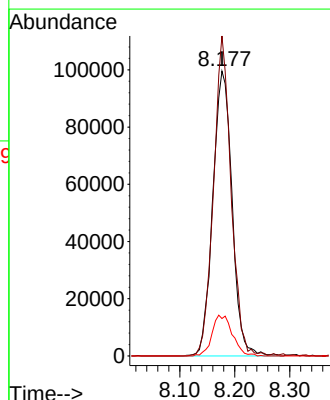
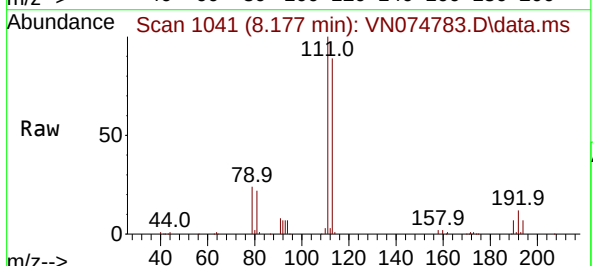
Delta R.T. 0.006 min

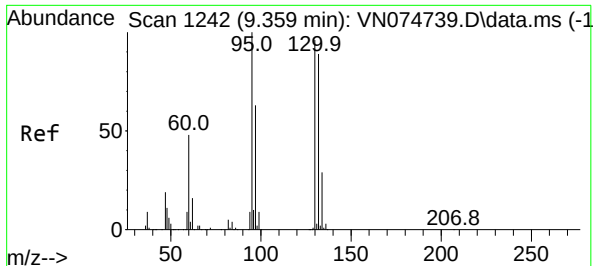
Lab File: VN074783.D

Acq: 06 Oct 2022 15:03

Tgt Ion:113 Resp: 242499

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.6 | 83.0  | 124.6 |
| 192 | 15.1  | 12.6  | 18.8  |





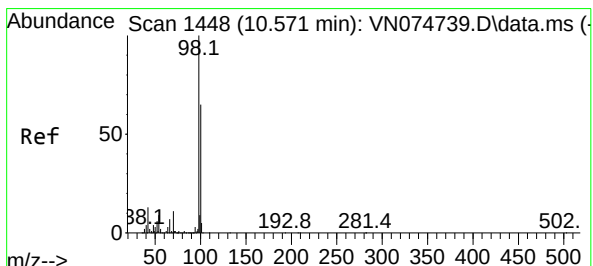
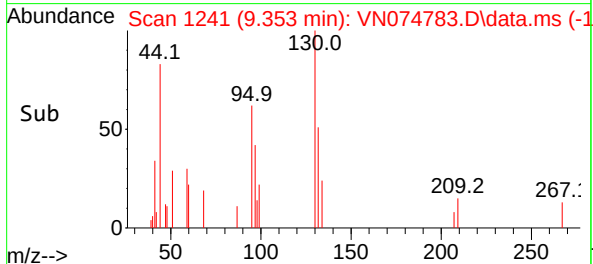
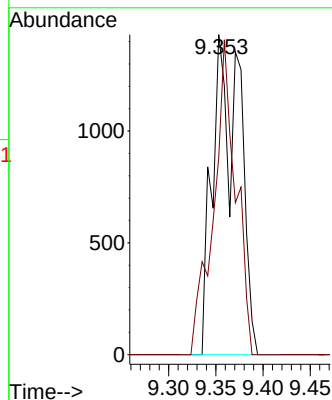
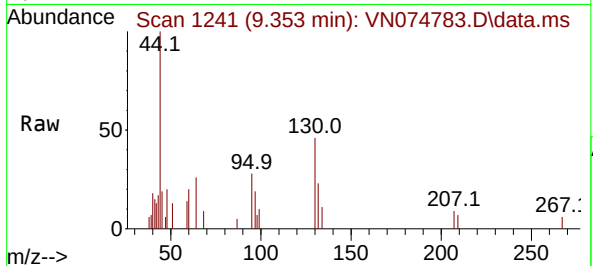
#44  
Trichloroethene  
Concen: 0.588 ug/l m  
RT: 9.353 min Scan# 1241  
Delta R.T. -0.006 min  
Lab File: VN074783.D  
Acq: 06 Oct 2022 15:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-4

Tgt Ion:130 Resp: 2840  
Ion Ratio Lower Upper  
130 100  
95 61.7 0.0 207.6

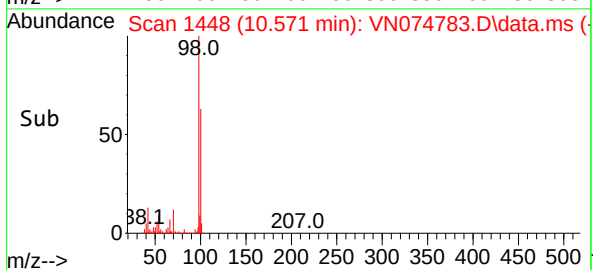
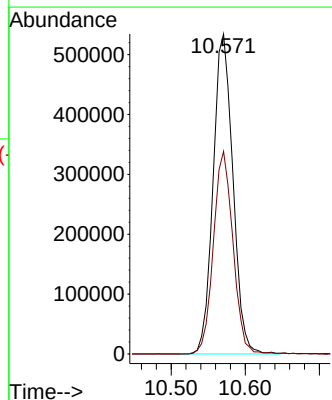
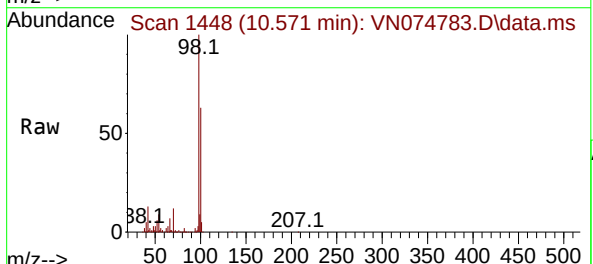
Manual Integrations  
APPROVED

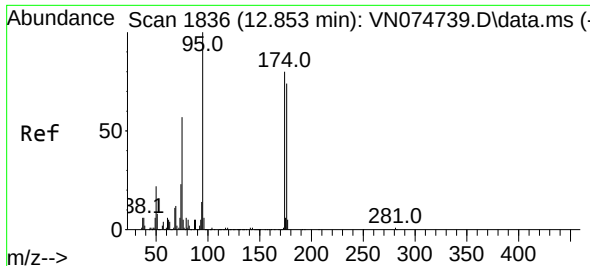
Reviewed By :John Carlone 10/07/2022  
Supervised By :Mahesh Dadoda 10/07/2022



#50  
Toluene-d8  
Concen: 52.015 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN074783.D  
Acq: 06 Oct 2022 15:03

Tgt Ion: 98 Resp: 989963  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.7 76.1





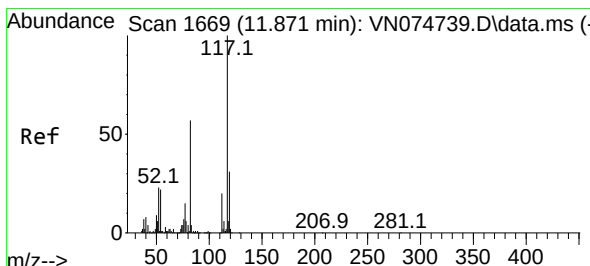
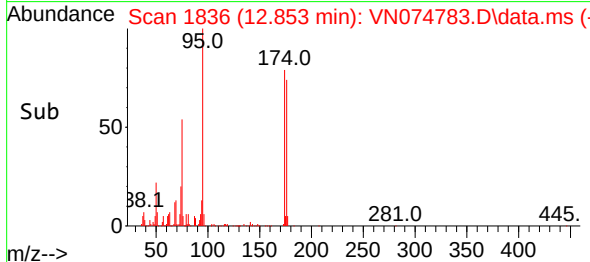
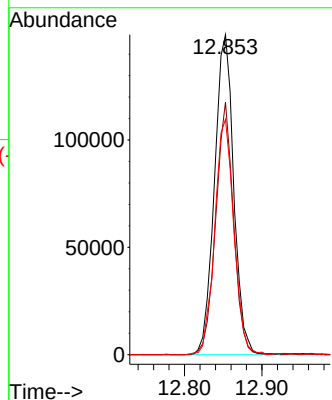
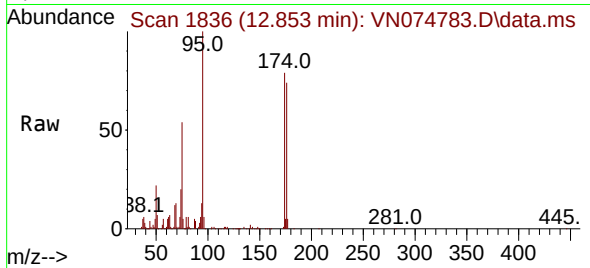
#62  
4-Bromofluorobenzene  
Concen: 44.400 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN074783.D  
Acq: 06 Oct 2022 15:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-4

Tgt Ion: 95 Resp: 25687  
Ion Ratio Lower Upper  
95 100  
174 72.9 0.0 149.4  
176 73.2 0.0 142.0

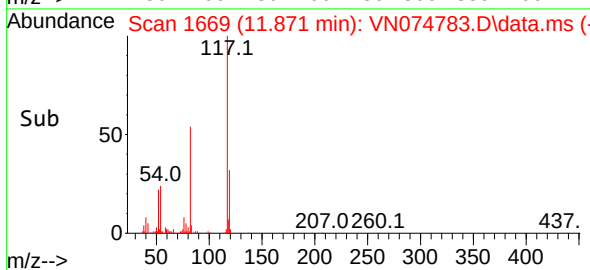
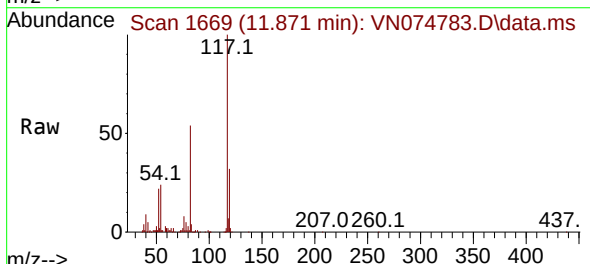
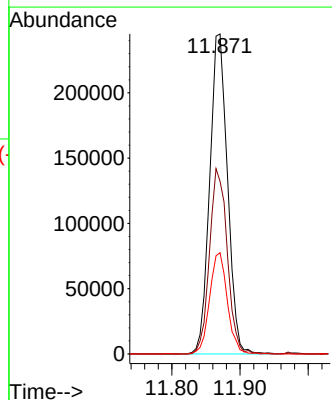
Manual Integrations  
APPROVED

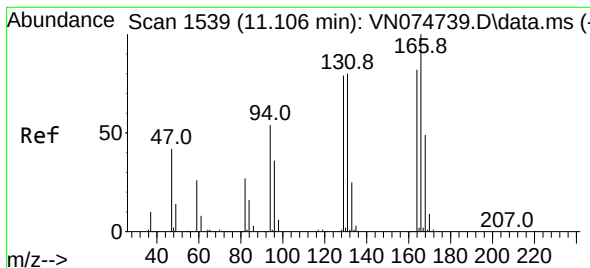
Reviewed By :John Carlone 10/07/2022  
Supervised By :Mahesh Dadoda 10/07/2022



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. -0.000 min  
Lab File: VN074783.D  
Acq: 06 Oct 2022 15:03

Tgt Ion:117 Resp: 445329  
Ion Ratio Lower Upper  
117 100  
82 54.0 45.4 68.2  
119 31.6 25.1 37.7





#64

Tetrachloroethene

Concen: 9.686 ug/l

RT: 11.106 min Scan# 1539

Delta R.T. -0.000 min

Lab File: VN074783.D

Acq: 06 Oct 2022 15:03

Instrument :

MSVOA\_N

ClientSampleId :

MW-4

Tgt Ion:164 Resp: 35018

Ion Ratio Lower Upper

164 100

166 126.7 97.0 145.6

129 95.3 77.0 115.6

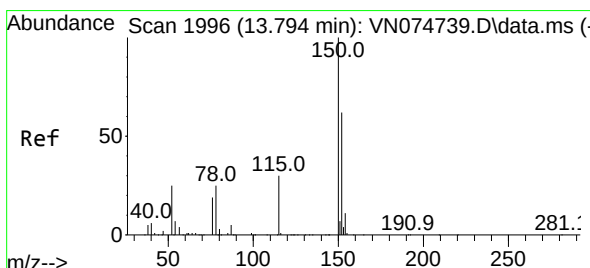
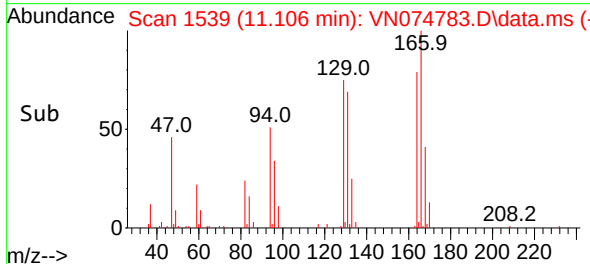
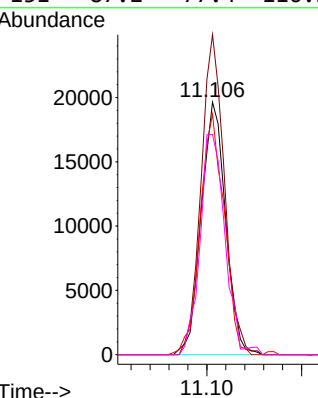
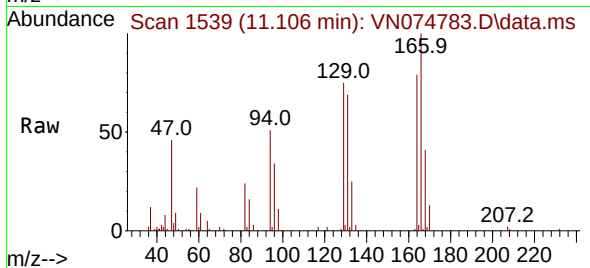
131 87.2 77.4 116.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/07/2022

Supervised By :Mahesh Dadoda 10/07/2022



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN074783.D

Acq: 06 Oct 2022 15:03

Tgt Ion:152 Resp: 216874

Ion Ratio Lower Upper

152 100

115 58.0 30.0 90.0

150 154.3 0.0 356.4

