

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\  
 Data File : VN054383.D  
 Acq On : 18 Mar 2019 10:20  
 Operator : JC/SP  
 Sample : K1960-05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T11-MW-16-10.5-031419

Quant Time: Mar 19 09:42:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

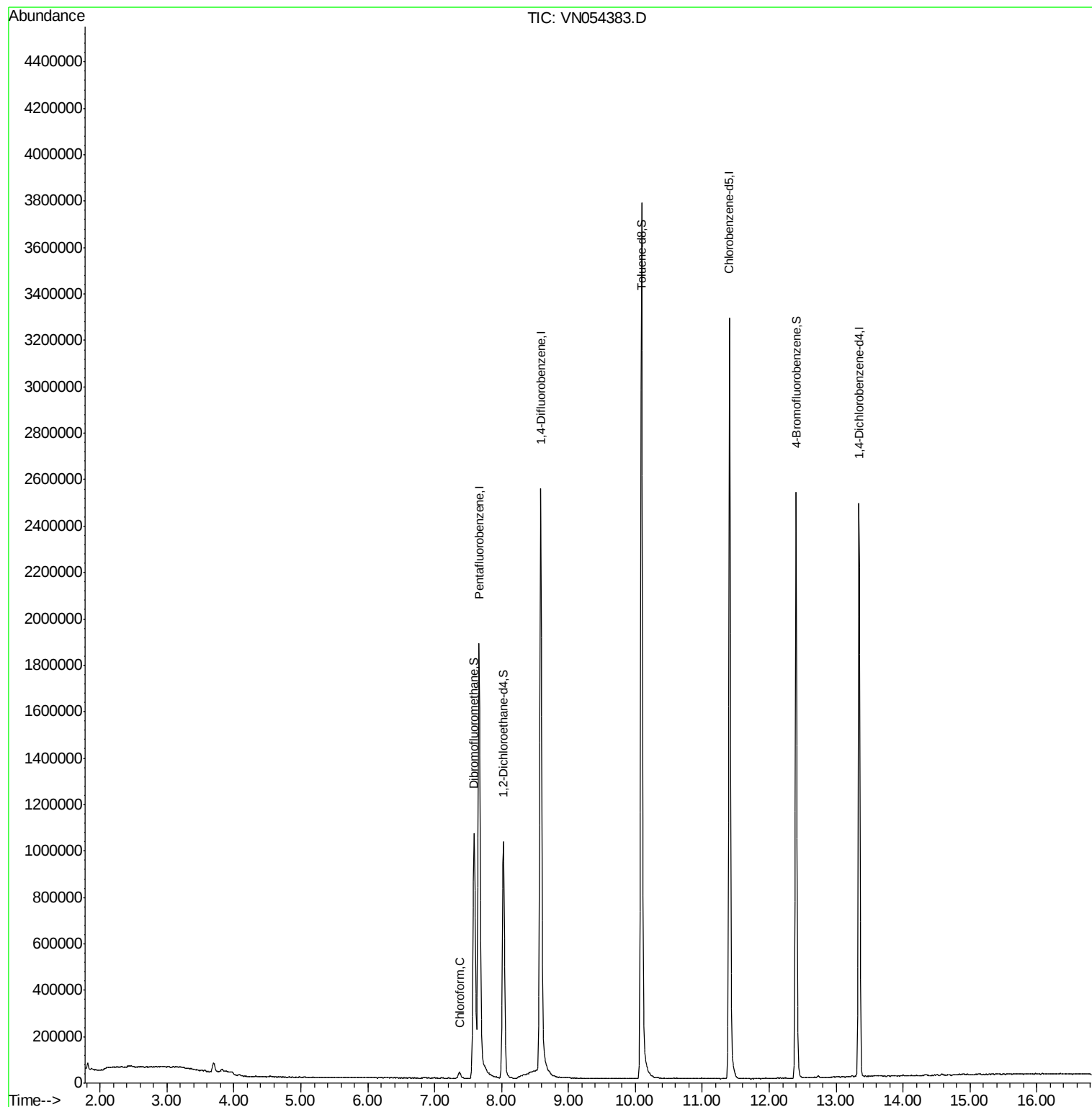
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 1842062  | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 2610756  | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 2144992  | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 739173   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 888737   | 45.43 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.86% |           |
| 35) Dibromofluoromethane    | 7.59  | 113  | 807530   | 47.96 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.92% |           |
| 50) Toluene-d8              | 10.09 | 98   | 2988142  | 48.05 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.10% |           |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 869239   | 39.95 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 79.90% |           |
| Target Compounds            |       |      |          |       |        |           |
| 30) Chloroform              | 7.37  | 83   | 28873    | 0.879 | ug/l   | Qvalue 94 |

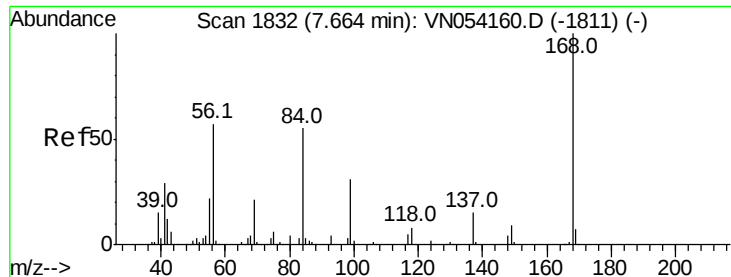
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 13 03:33:31 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA\_N

ClientSampleId :

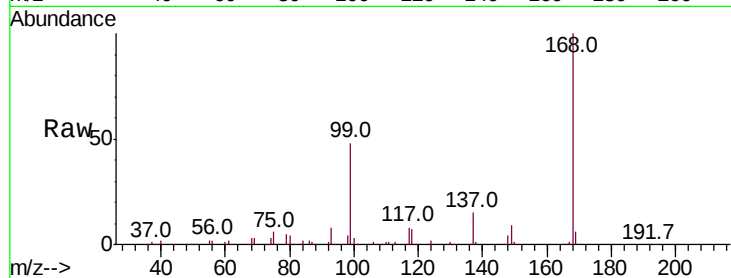
T11-MW-16-10.5-031419

Tot Ion:168 Resp: 1842062

Ion Ratio Lower Upper

168 100

99 48.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

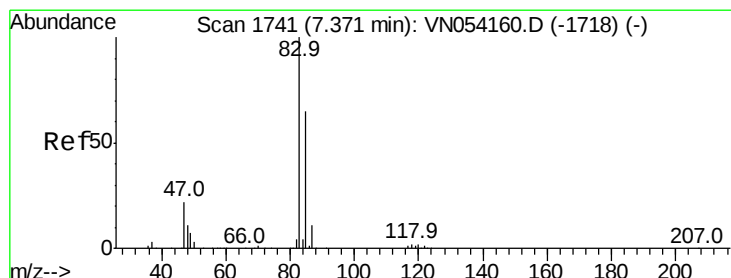
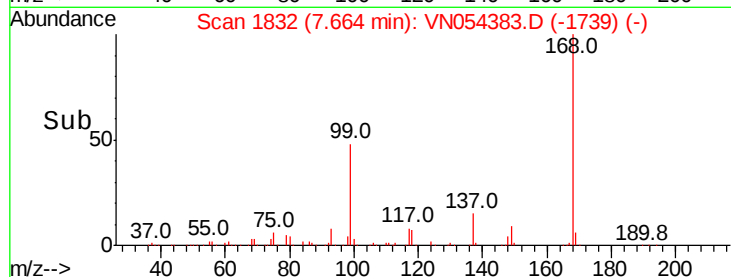
600000

400000

200000

0

Time-->



#30

Chloroform

Concen: 0.879 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054383.D

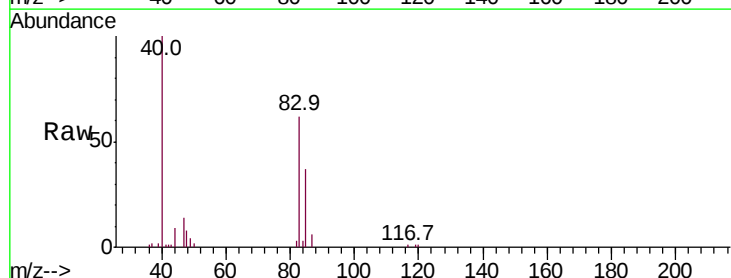
Acq: 18 Mar 2019 10:20

Tgt Ion: 83 Resp: 28873

Ion Ratio Lower Upper

83 100

85 60.2 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

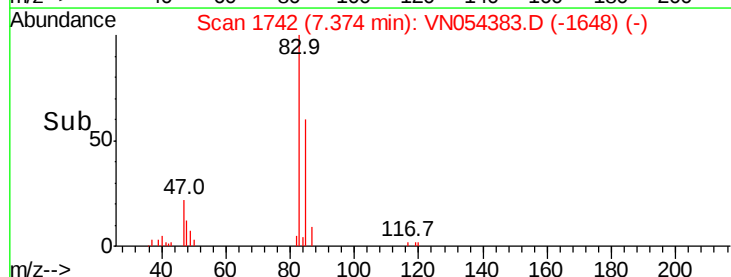
7.37

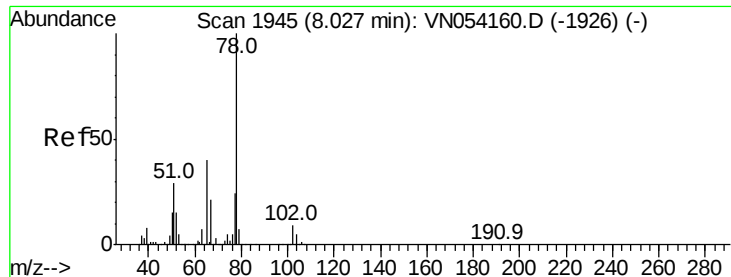
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 45.430 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA\_N

ClientSampleId :

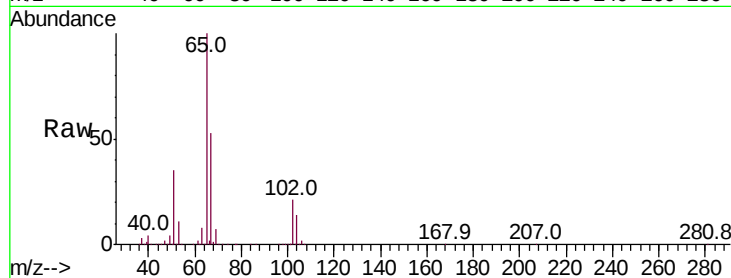
T11-MW-16-10.5-031419

Tot Ion: 65 Resp: 888737

Ion Ratio Lower Upper

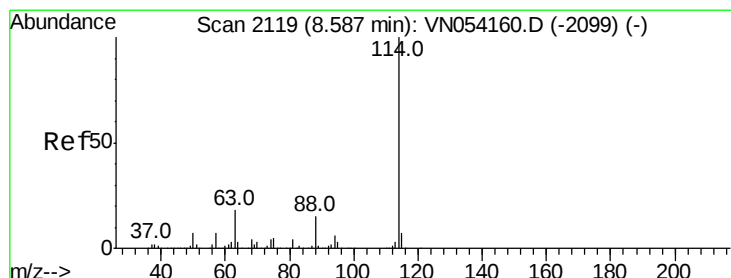
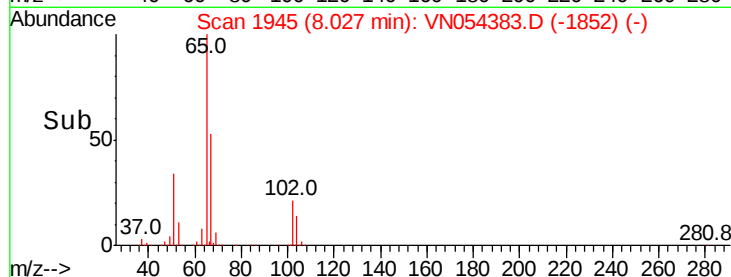
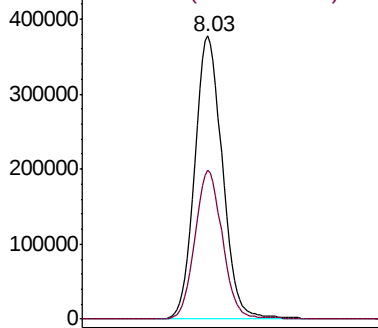
65 100

67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

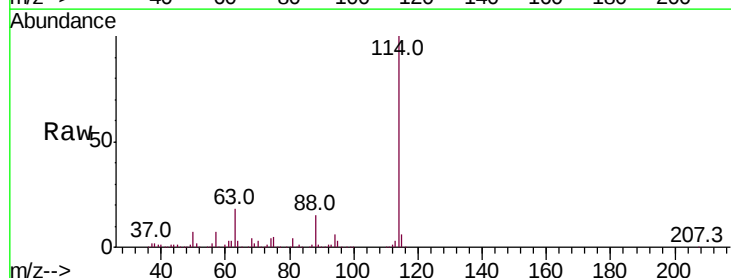
Tgt Ion:114 Resp: 2610756

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

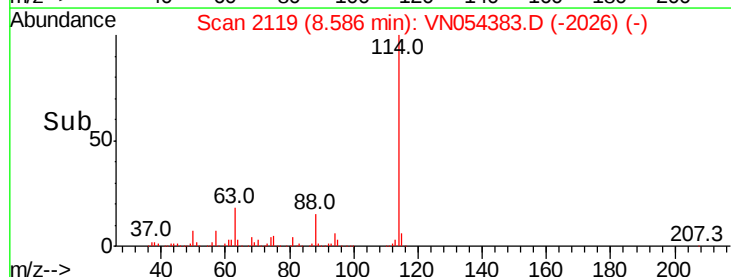
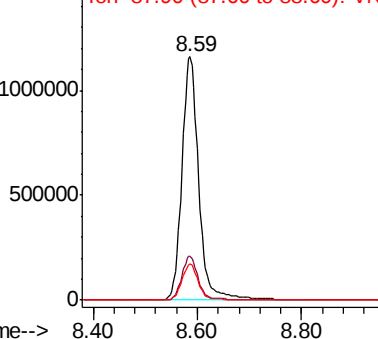
88 14.7 0.0 30.2

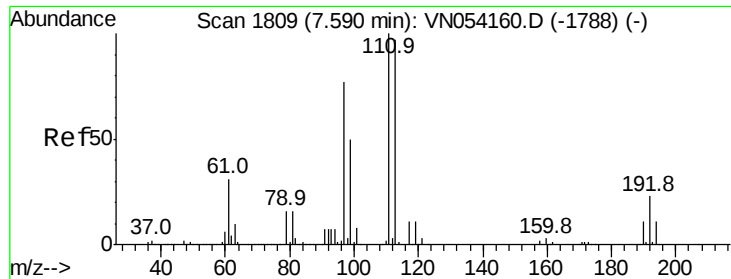


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 47.958 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA\_N

ClientSampleId :

T11-MW-16-10.5-031419

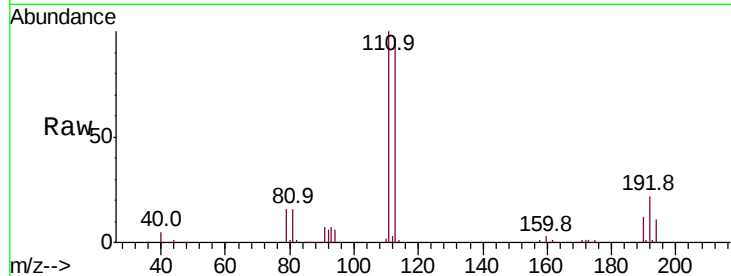
Tot Ion:113 Resp: 807530

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

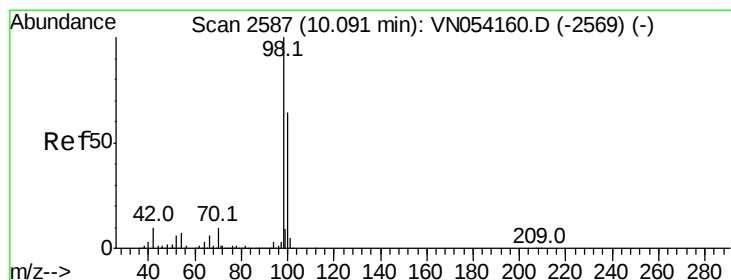
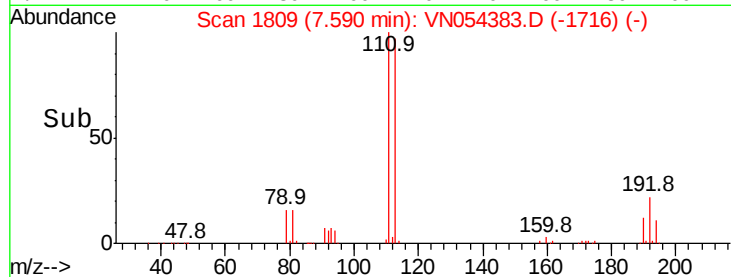
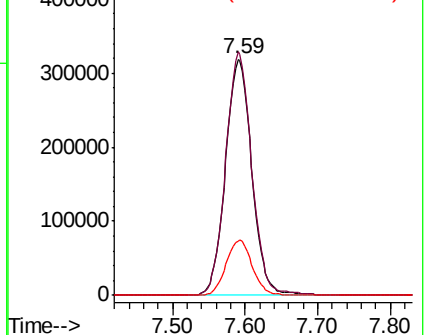
192 23.1 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 48.051 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054383.D

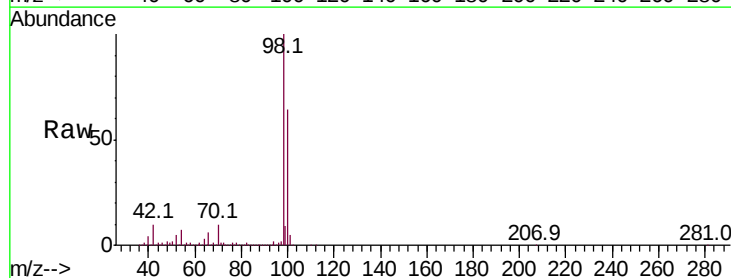
Acq: 18 Mar 2019 10:20

Tgt Ion: 98 Resp: 2988142

Ion Ratio Lower Upper

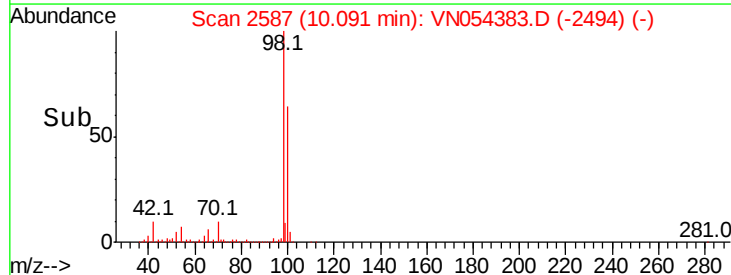
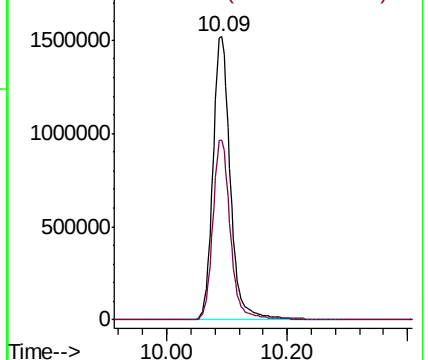
98 100

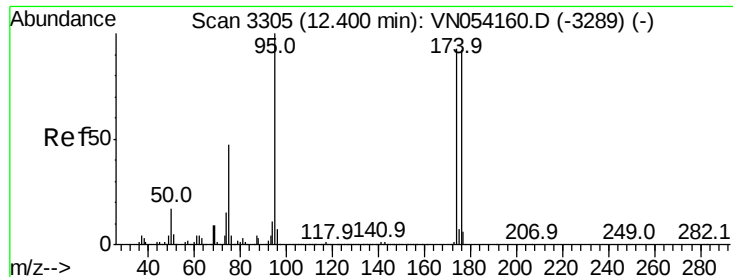
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 39.948 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA\_N

ClientSampleId :

T11-MW-16-10.5-031419

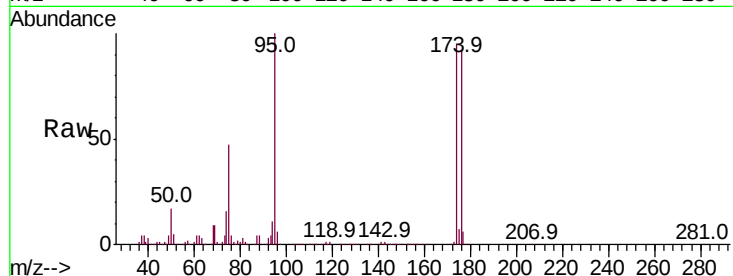
Tot Ion: 95 Resp: 869239

Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.0

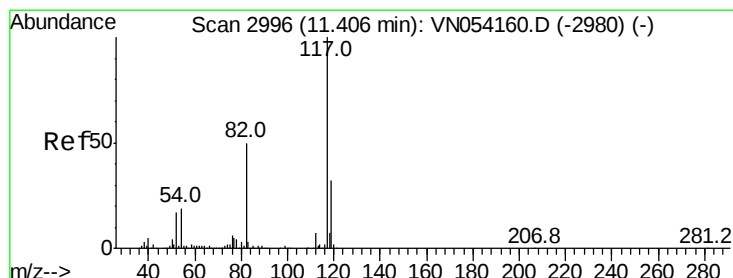
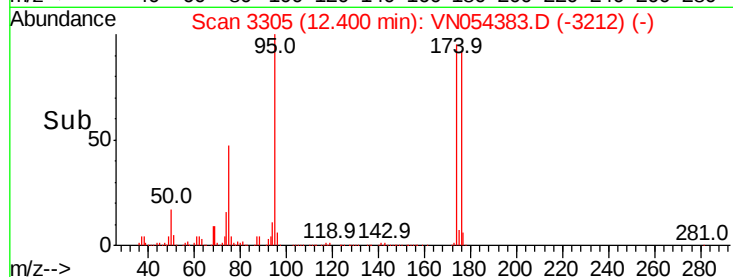
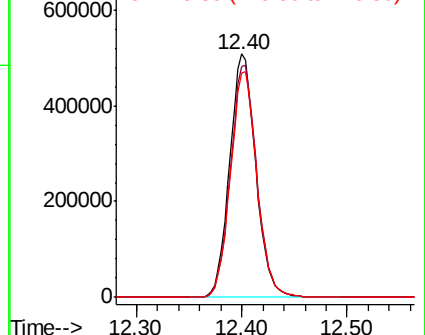
176 93.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

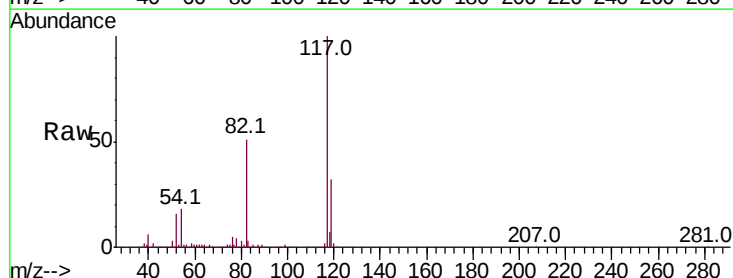
Tgt Ion: 117 Resp: 2144992

Ion Ratio Lower Upper

117 100

82 50.6 40.0 60.0

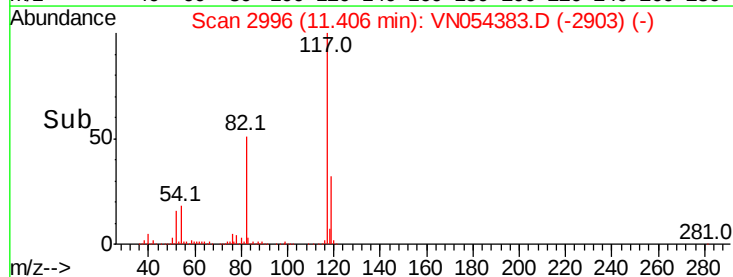
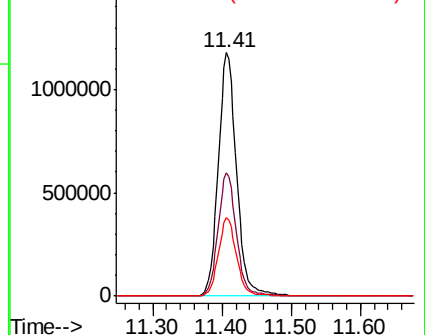
119 32.1 25.8 38.6

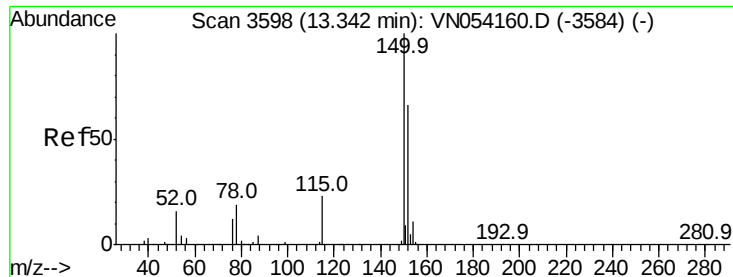


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA\_N

ClientSampleId :

T11-MW-16-10.5-031419

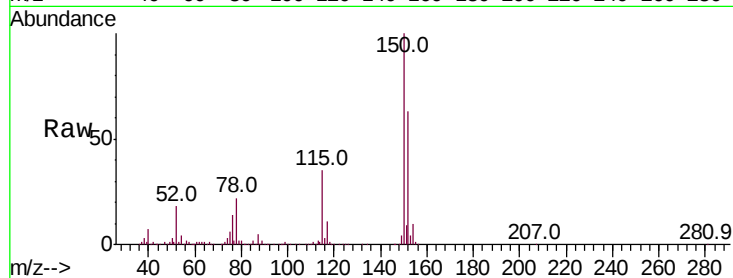
Tot Ion:152 Resp: 739173

Ion Ratio Lower Upper

152 100

115 55.2 27.2 81.6

150 157.7 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

