

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\  
 Data File : VN057253.D  
 Acq On : 13 Aug 2019 18:11  
 Operator : JC/SP  
 Sample : K4262-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-4R 080819

Quant Time: Aug 14 07:11:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081319W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 14 06:25:03 2019  
 Response via : Initial Calibration

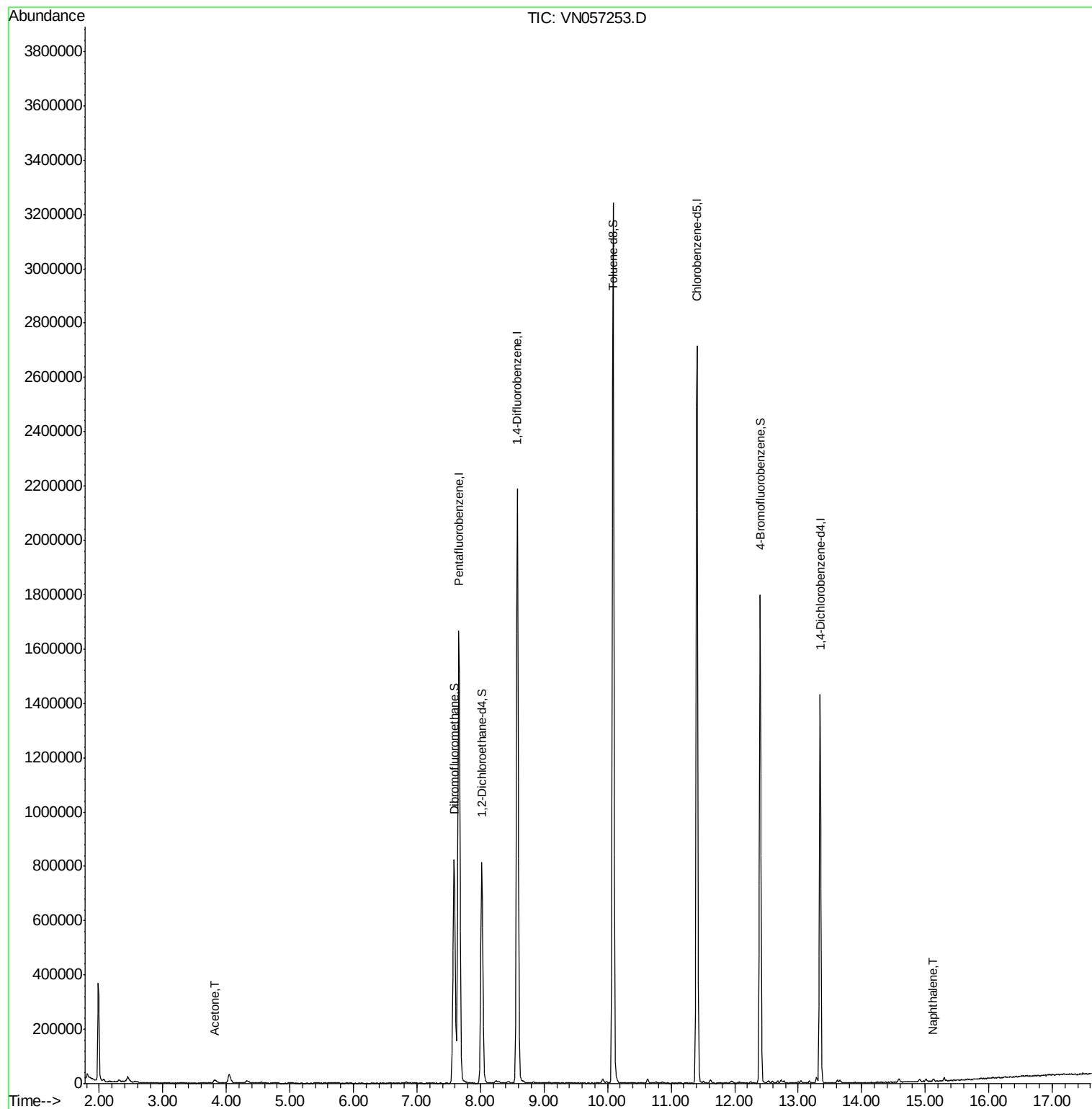
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 1511011  | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 2086908  | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1722850  | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 417447   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 693653   | 45.51 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.02% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 630578   | 47.32 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.64% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2398761  | 49.35 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.70% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 625567   | 37.53 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 75.06% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 3.81  | 43   | 17275    | 3.306 | ug/l   | 91       |
| 95) Naphthalene             | 15.13 | 128  | 8691     | 1.266 | ug/l # | 88       |

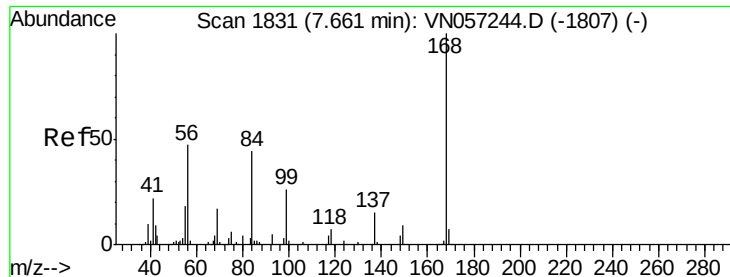
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 14 06:25:03 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA\_N

ClientSampleId :

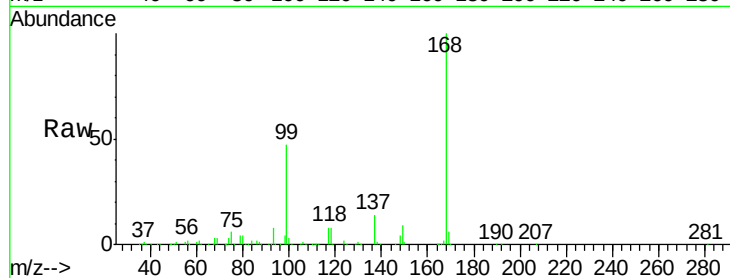
MW-4R 080819

Tot Ion:168 Resp: 1511011

Ion Ratio Lower Upper

168 100

99 47.0 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

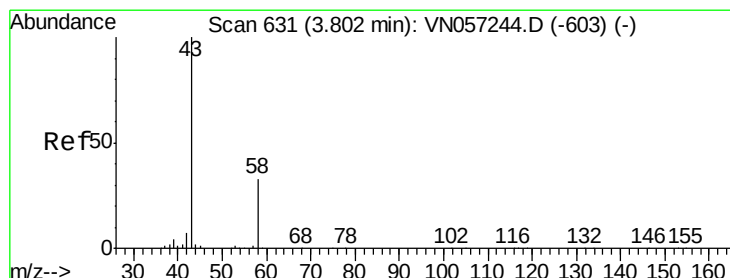
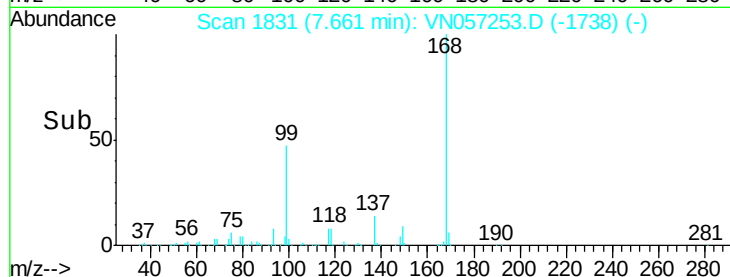
600000

400000

200000

0

Time-->



#16

Acetone

Concen: 3.306 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN057253.D

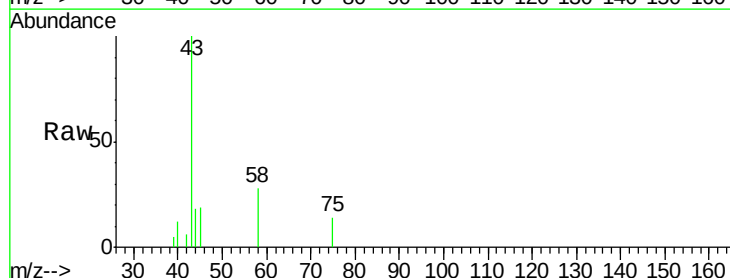
Acq: 13 Aug 2019 18:11

Tgt Ion: 43 Resp: 17275

Ion Ratio Lower Upper

43 100

58 28.2 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.81

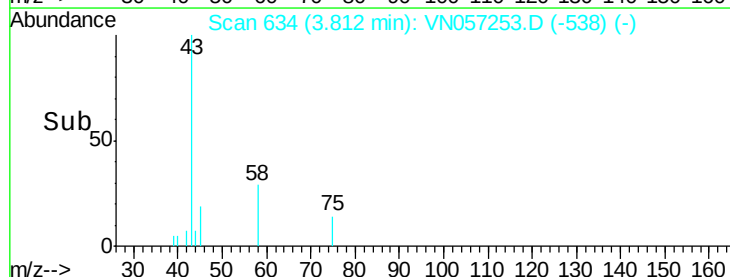
6000

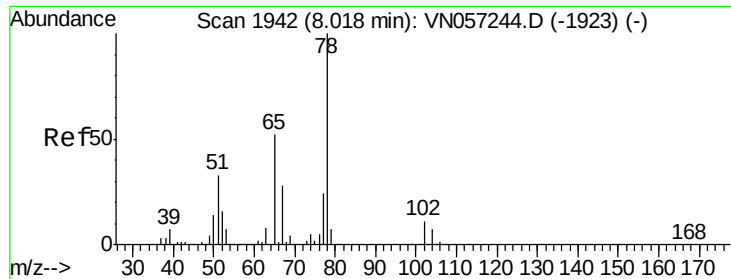
4000

2000

0

Time-->

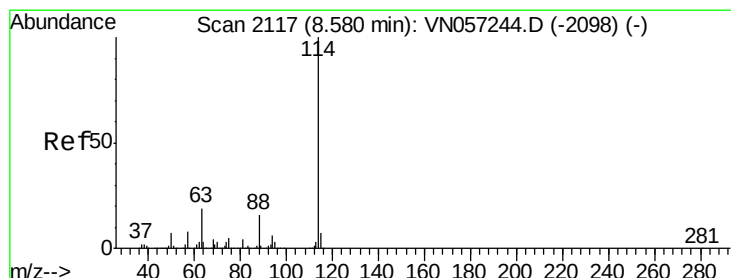
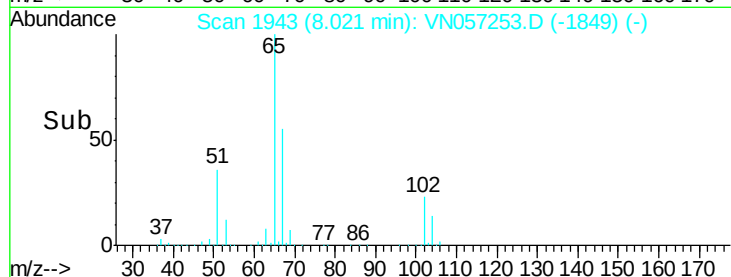
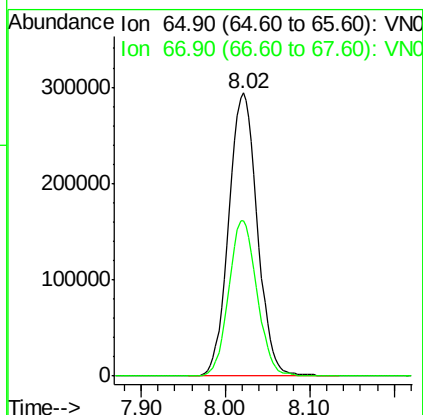
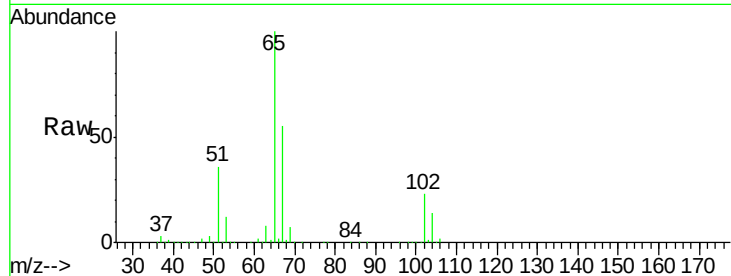




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.507 ug/l  
 RT: 8.02 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VN057253.D  
 Acq: 13 Aug 2019 18:11

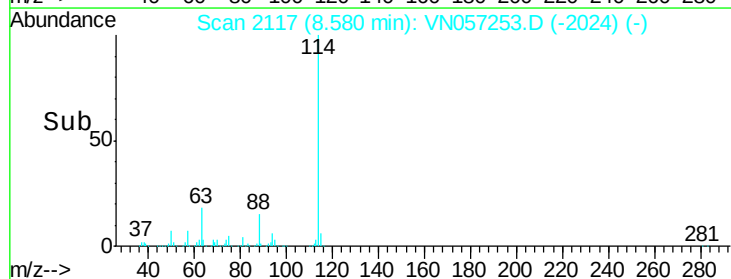
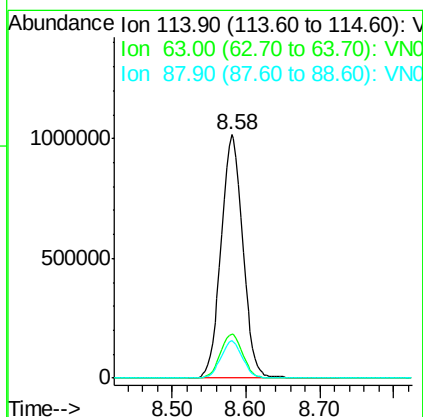
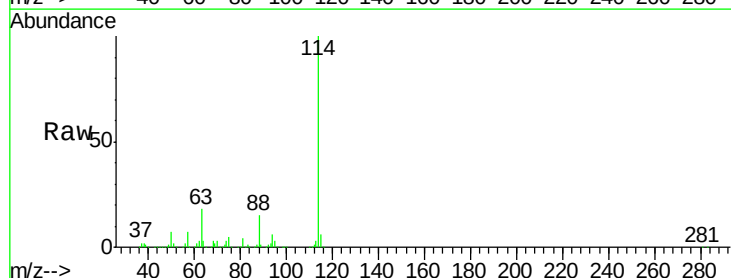
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-4R\_080819

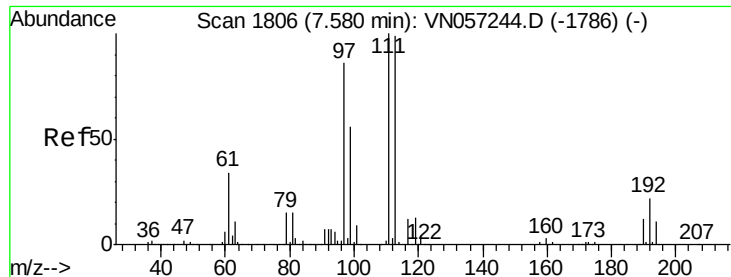
Tot Ion: 65 Resp: 693653  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 107.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2117  
 Delta R.T. -0.00 min  
 Lab File: VN057253.D  
 Acq: 13 Aug 2019 18:11

Tgt Ion: 114 Resp: 2086908  
 Ion Ratio Lower Upper  
 114 100  
 63 18.3 0.0 37.0  
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.322 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA\_N

ClientSampleId :

MW-4R 080819

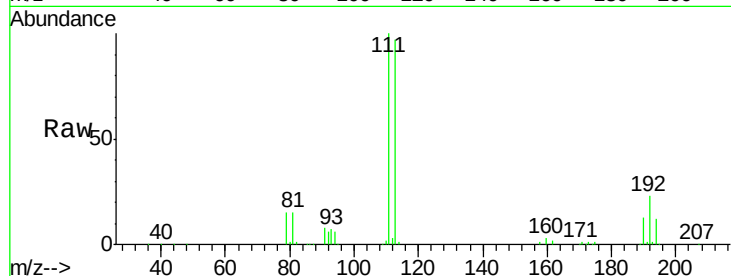
Tot Ion:113 Resp: 630578

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.2

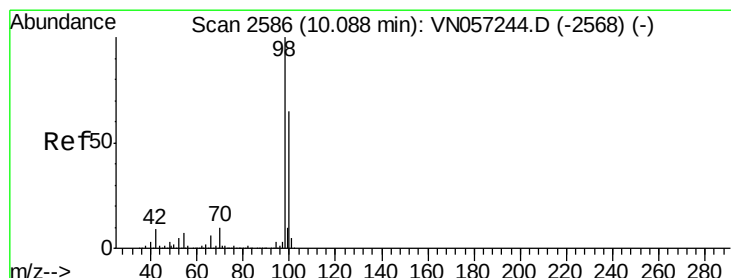
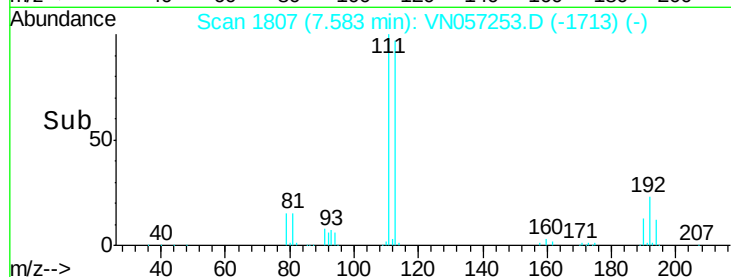
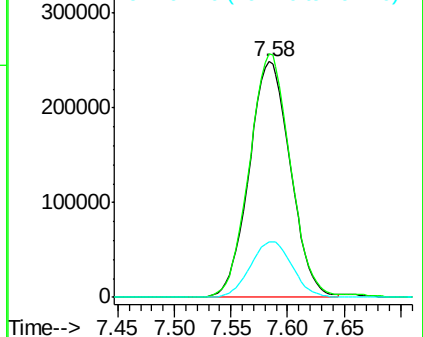
192 24.0 18.8 28.2



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: 49.355 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN057253.D

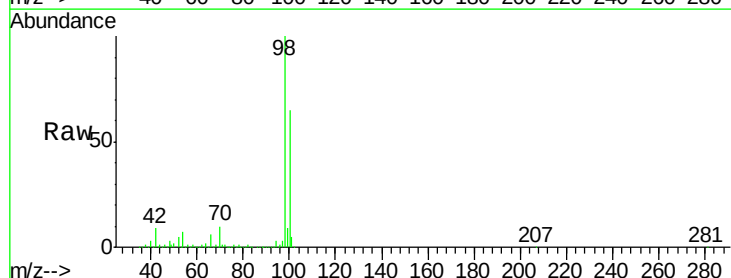
Acq: 13 Aug 2019 18:11

Tgt Ion: 98 Resp: 2398761

Ion Ratio Lower Upper

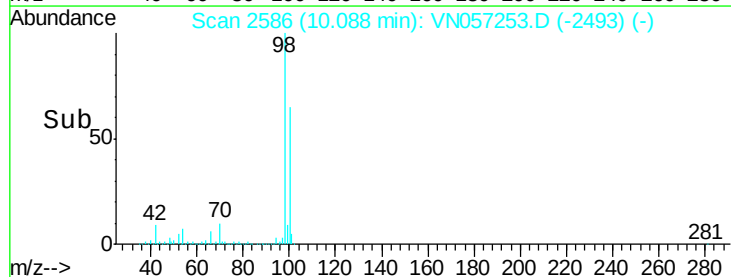
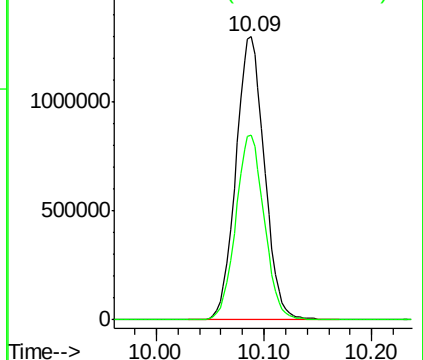
98 100

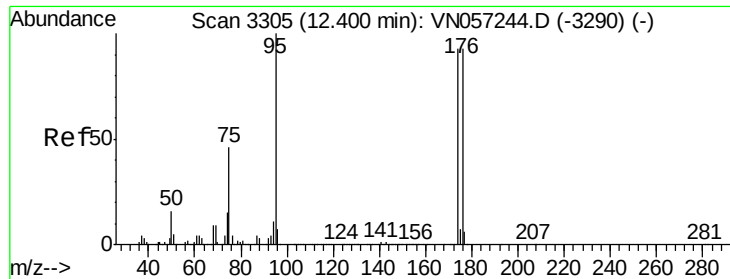
100 65.1 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 37.531 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA\_N

ClientSampleId :

MW-4R 080819

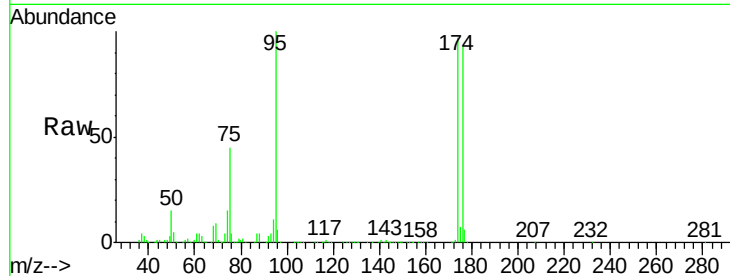
Tot Ion: 95 Resp: 625567

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.6

176 92.4 0.0 185.8



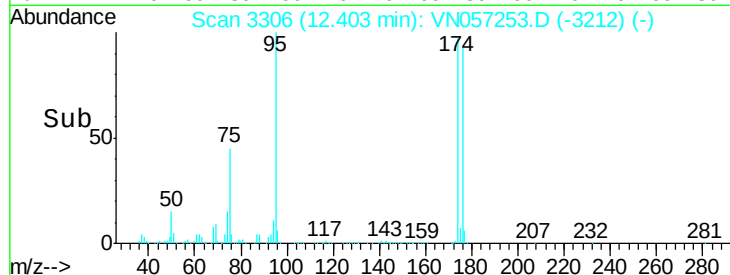
Abundance Ion 94.90 (94.60 to 95.60): VN057244.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN057244.D (-3290) (-)

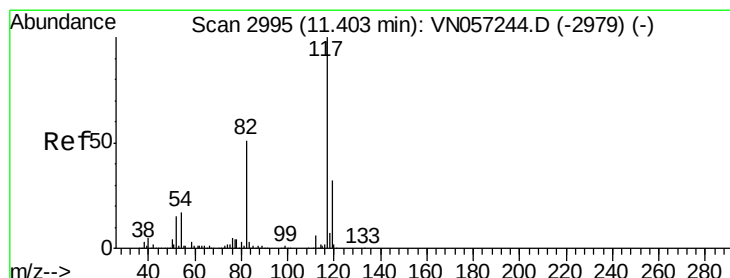
Ion 175.80 (175.50 to 176.50): VN057244.D (-3290) (-)

12.40

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

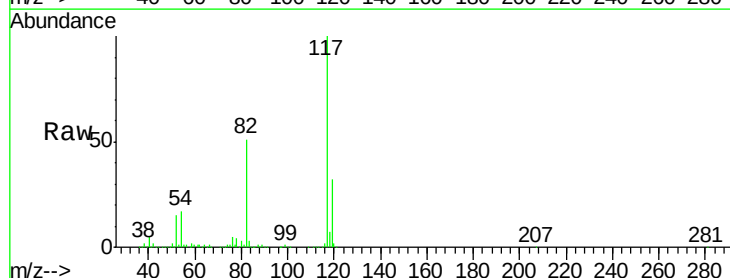
Tgt Ion: 117 Resp: 1722850

Ion Ratio Lower Upper

117 100

82 51.4 40.9 61.3

119 32.0 25.4 38.2



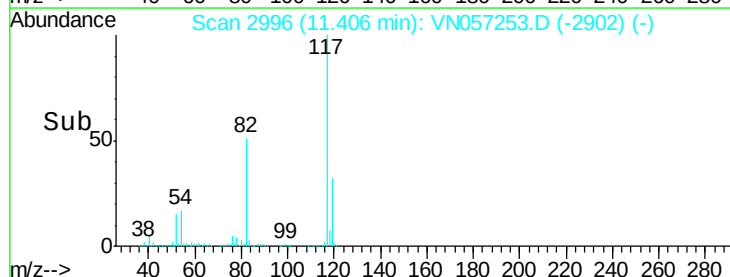
Abundance Ion 116.90 (116.60 to 117.60): VN057244.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN057244.D (-2979) (-)

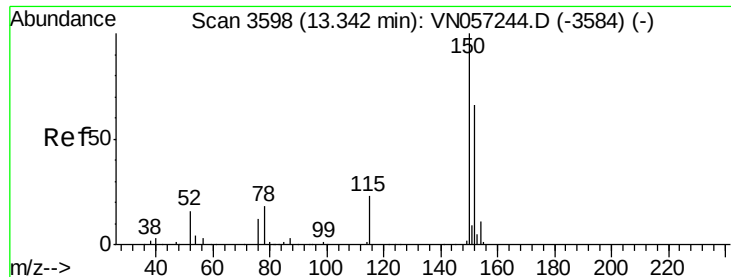
Ion 118.90 (118.60 to 119.60): VN057244.D (-2979) (-)

11.41

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

Instrument :

MSVOA\_N

ClientSampleId :

MW-4R 080819

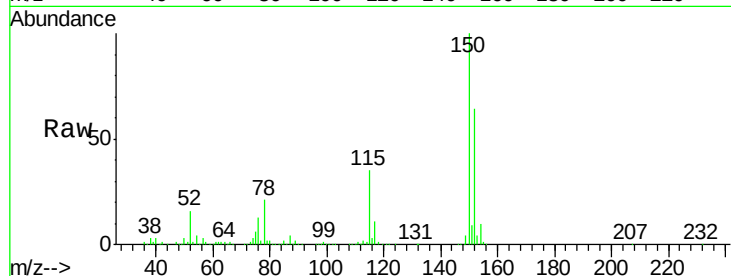
Tot Ion:152 Resp: 417447

Ion Ratio Lower Upper

152 100

115 56.6 27.6 82.8

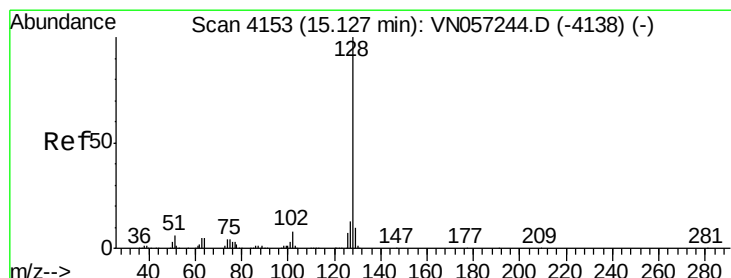
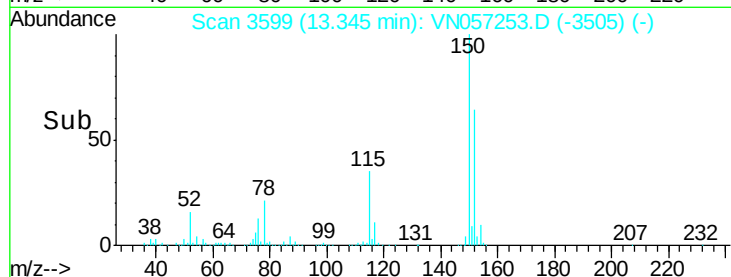
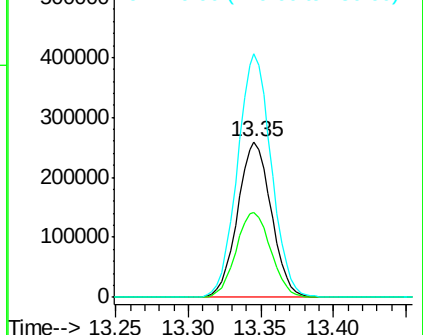
150 157.3 0.0 348.4



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



#95

Naphthalene

Concen: 1.266 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057253.D

Acq: 13 Aug 2019 18:11

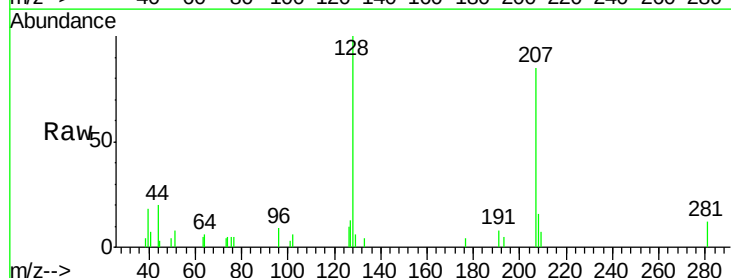
Tgt Ion:128 Resp: 8691

Ion Ratio Lower Upper

128 100

127 7.6 10.4 15.6#

129 6.5 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

