

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091619\  
 Data File : VN058118.D  
 Acq On : 16 Sep 2019 15:01  
 Operator : JC/SP  
 Sample : K4719-29  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T4-3(0)-HELLGATE

Quant Time: Sep 17 09:09:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 03:02:13 2019  
 Response via : Initial Calibration

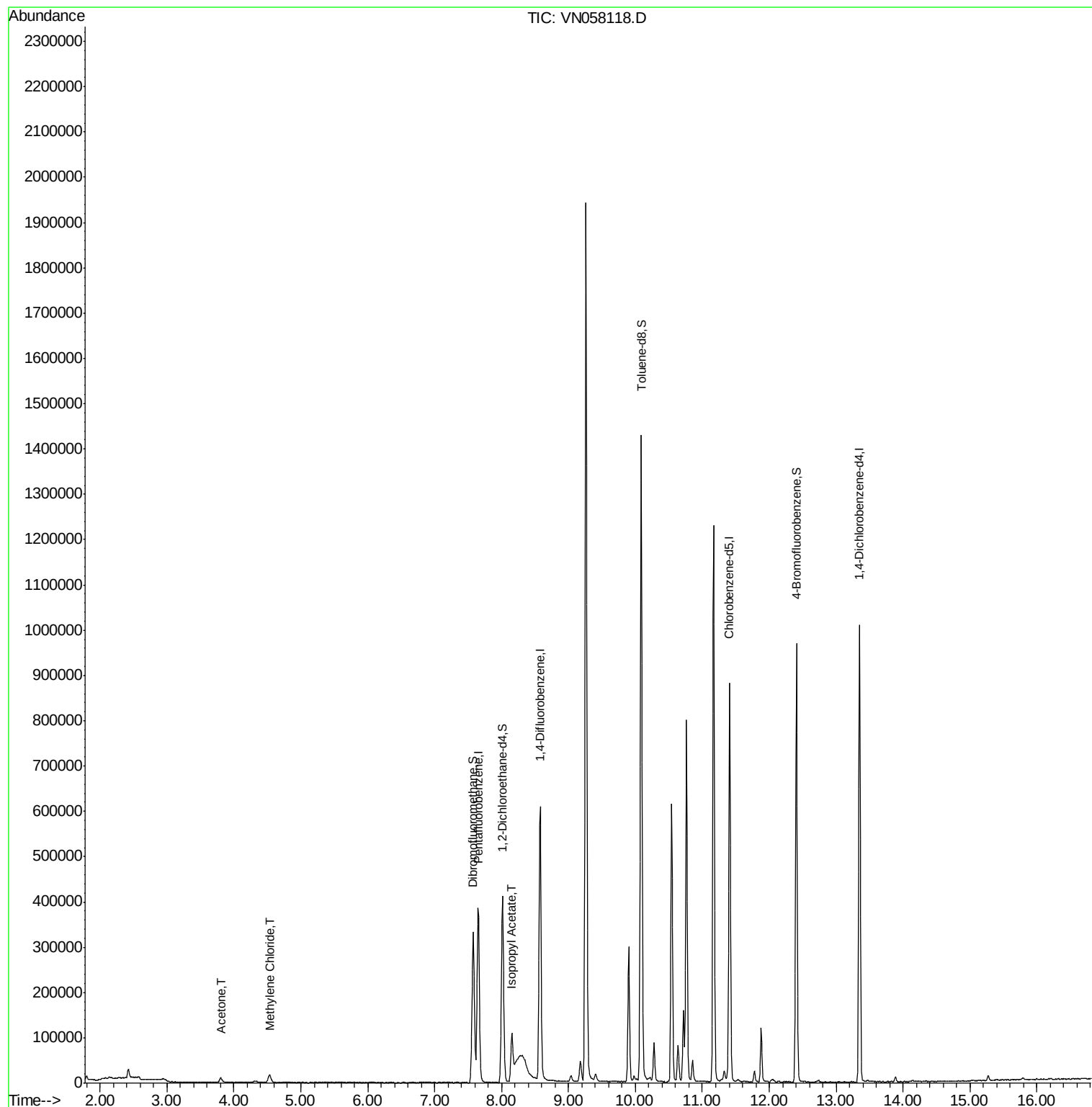
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 302240   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 514047   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 480528   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 254965   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 362906   | 59.28  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 118.56% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 247873   | 52.24  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.48% |          |
| 50) Toluene-d8              | 10.08 | 98   | 970319   | 52.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.36% |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 323457   | 46.08  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.16%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.80  | 43   | 17193    | 8.567  | ug/l    | 97       |
| 20) Methylene Chloride      | 4.54  | 84   | 12693    | 2.144  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 134370   | 12.972 | ug/l #  | 87       |

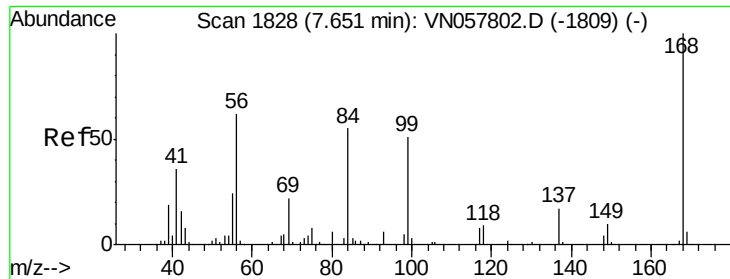
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Sep 10 03:02:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058118.D

Acq: 16 Sep 2019 15:01

Instrument :

MSVOA\_N

ClientSampleId :

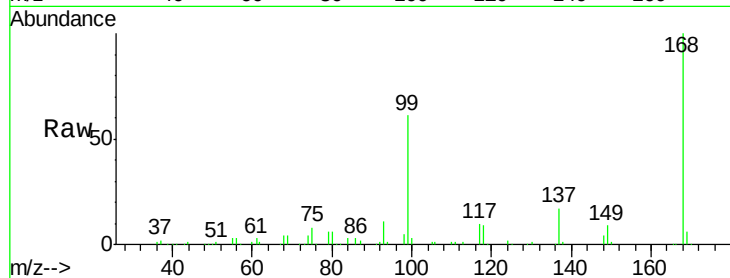
T4-3(0)-HELLGATE

Tot Ion:168 Resp: 302240

Ion Ratio Lower Upper

168 100

99 60.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

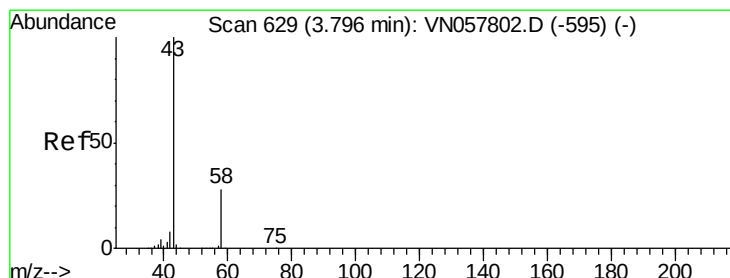
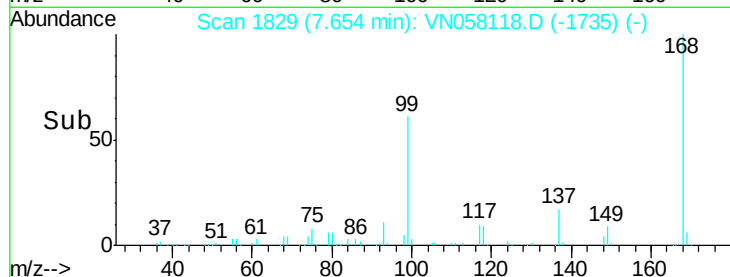
100000

50000

0

Time-->

7.60 7.70



#16

Acetone

Concen: 8.567 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058118.D

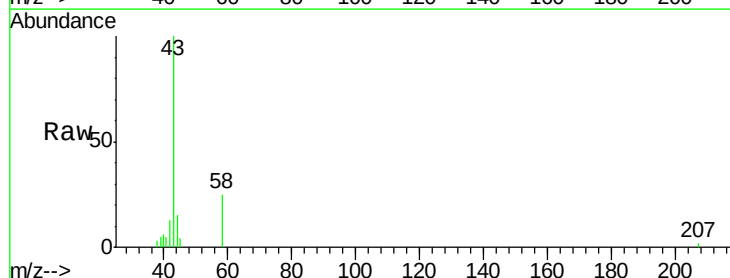
Acq: 16 Sep 2019 15:01

Tgt Ion: 43 Resp: 17193

Ion Ratio Lower Upper

43 100

58 26.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

8000

6000

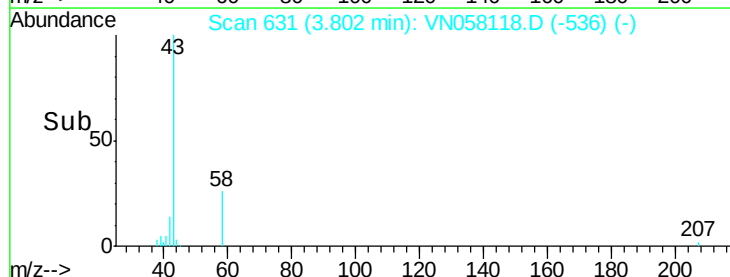
4000

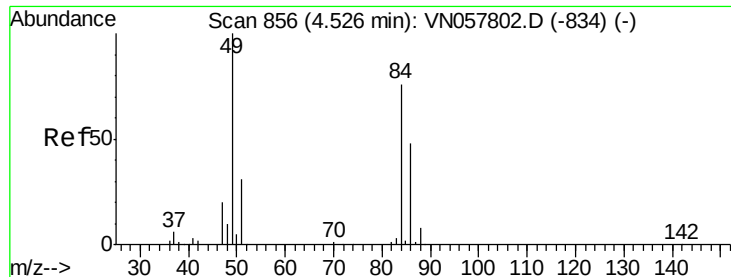
2000

0

Time-->

3.70 3.75 3.80 3.85 3.90

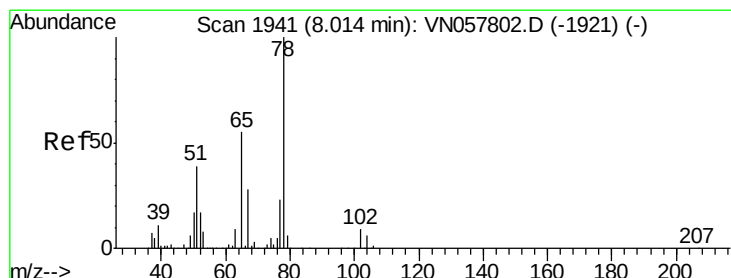
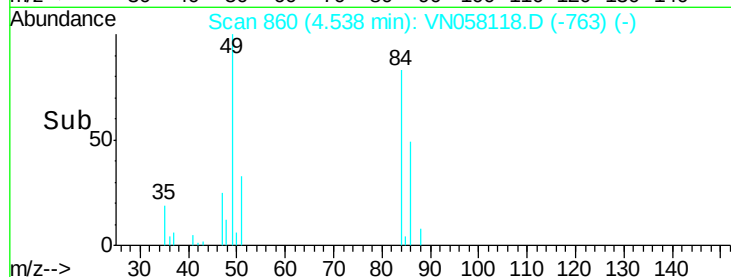
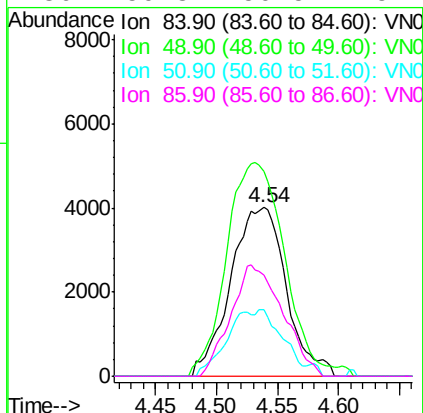
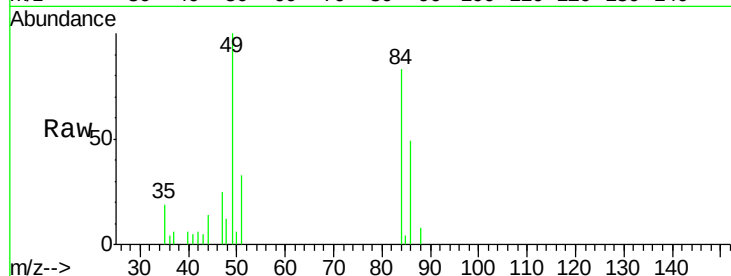




#20  
Methylene Chloride  
Concen: 2.144 ug/l  
RT: 4.54 min Scan# 860  
Delta R.T. 0.01 min  
Lab File: VN058118.D  
Acq: 16 Sep 2019 15:01

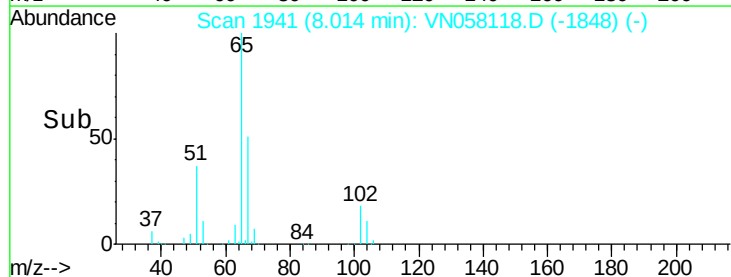
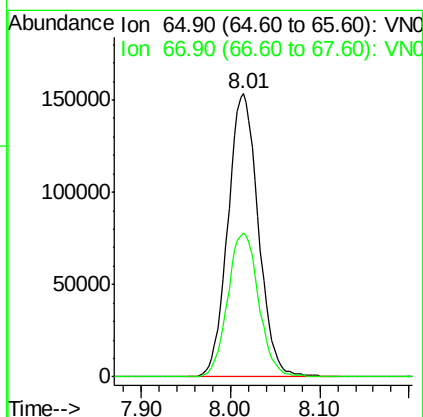
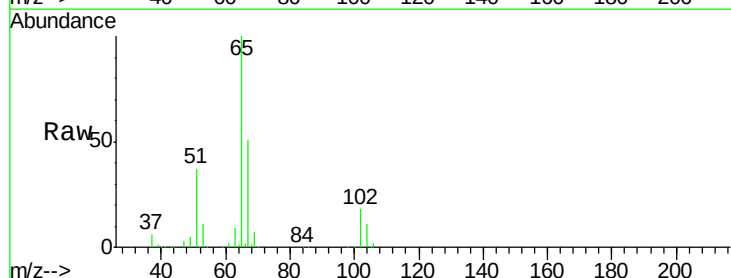
Instrument :  
MSVOA\_N  
ClientSampleId :  
T4-3(0)-HELLGATE

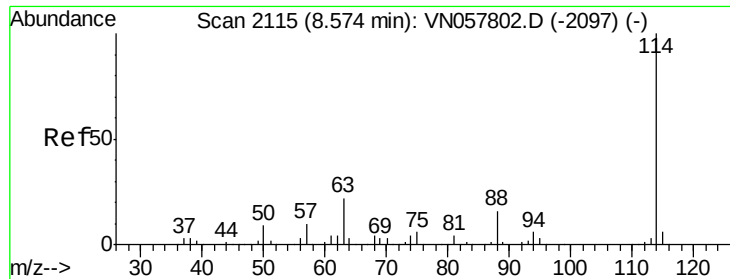
Tot Ion: 84 Resp: 12693  
Ion Ratio Lower Upper  
84 100  
49 121.2 104.8 157.2  
51 39.6 33.0 49.4  
86 59.8 50.5 75.7



#33  
1,2-Dichloroethane-d4  
Concen: 59.283 ug/l  
RT: 8.01 min Scan# 1941  
Delta R.T. 0.00 min  
Lab File: VN058118.D  
Acq: 16 Sep 2019 15:01

Tgt Ion: 65 Resp: 362906  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 104.0

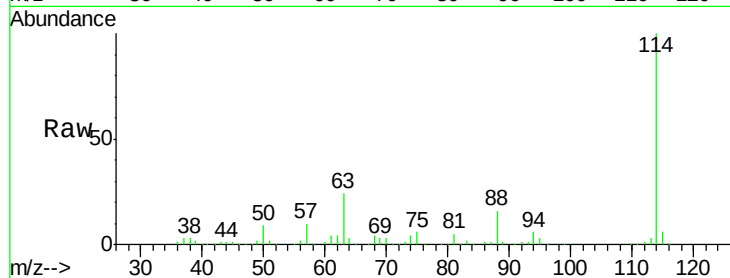




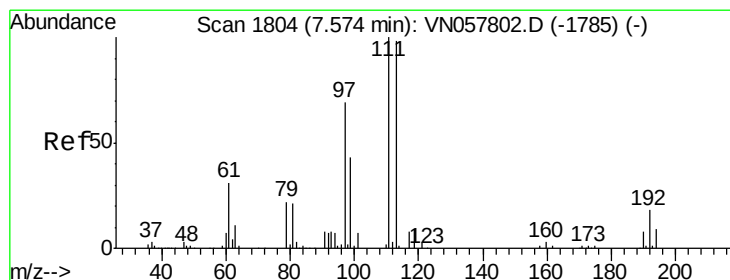
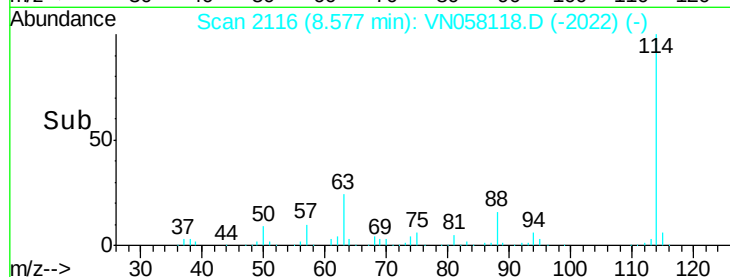
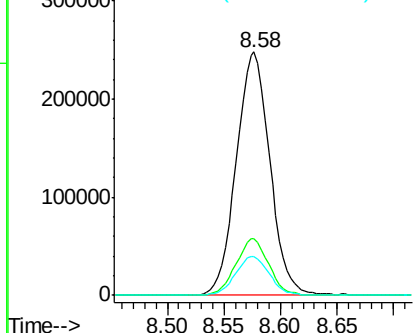
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN058118.D  
 Acq: 16 Sep 2019 15:01

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T4-3-(0)-HELLGATE

Tot Ion:114 Resp: 514047  
 Ion Ratio Lower Upper  
 114 100  
 63 23.5 0.0 44.0  
 88 15.8 0.0 31.4

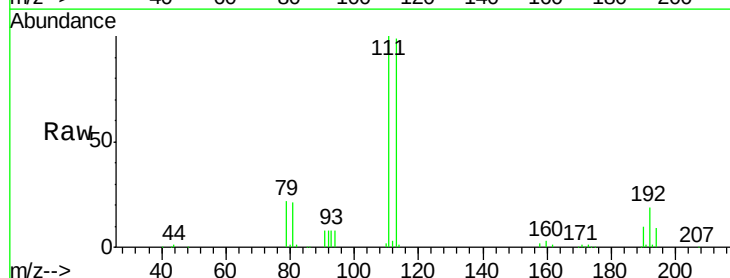


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

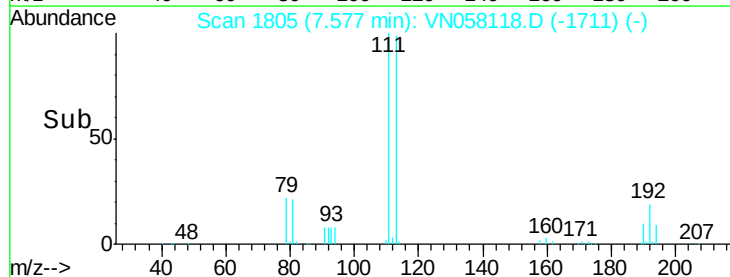
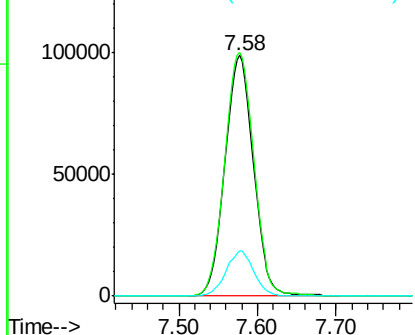


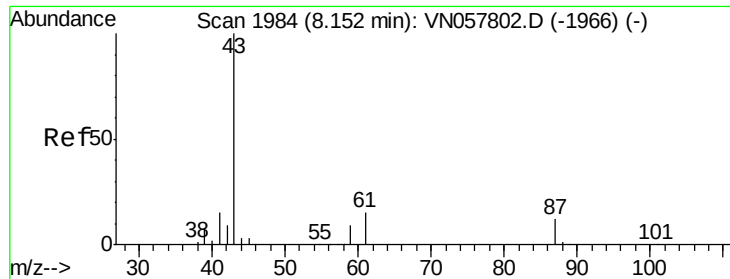
#35  
 Dibromofluoromethane  
 Concen: 52.245 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: VN058118.D  
 Acq: 16 Sep 2019 15:01

Tgt Ion:113 Resp: 247873  
 Ion Ratio Lower Upper  
 113 100  
 111 103.7 81.3 121.9  
 192 18.3 14.6 22.0



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





#43

Isopropyl Acetate

Concen: 12.972 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058118.D

Acq: 16 Sep 2019 15:01

Instrument :

MSVOA\_N

ClientSampleId :

T4-3(0)-HELLGATE

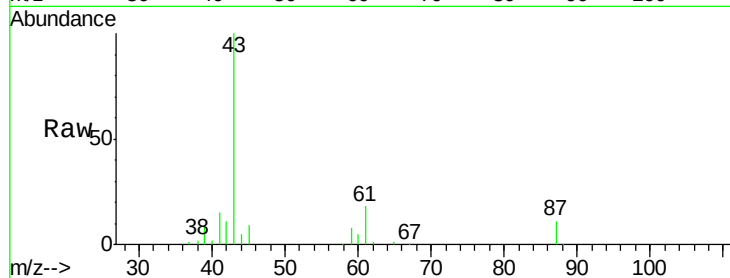
Tot Ion: 43 Resp: 134370

Ion Ratio Lower Upper

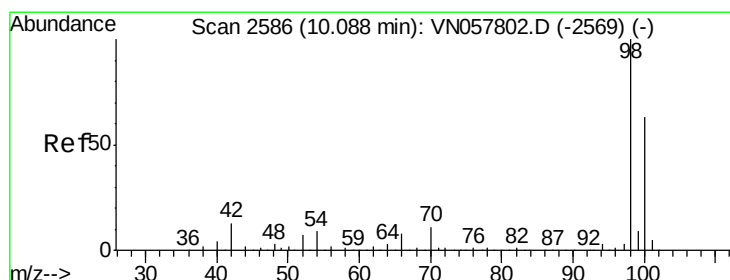
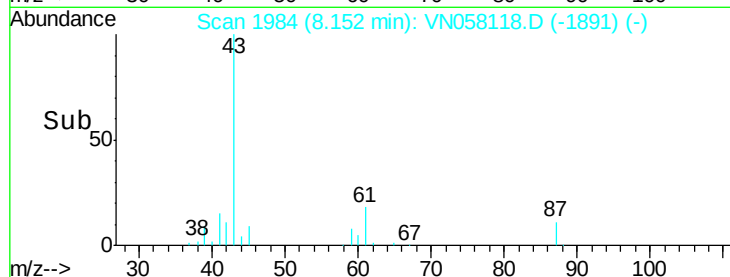
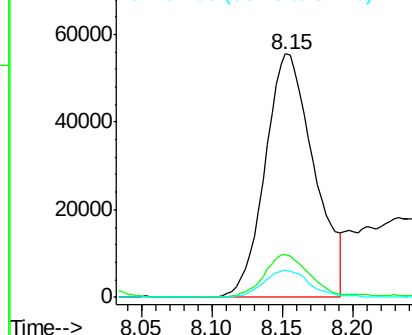
43 100

61 16.3 20.1 30.1#

87 10.6 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VNO  
Ion 61.00 (60.70 to 61.70): VNO  
Ion 87.00 (86.70 to 87.70): VNO



#50

Toluene-d8

Concen: 52.676 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058118.D

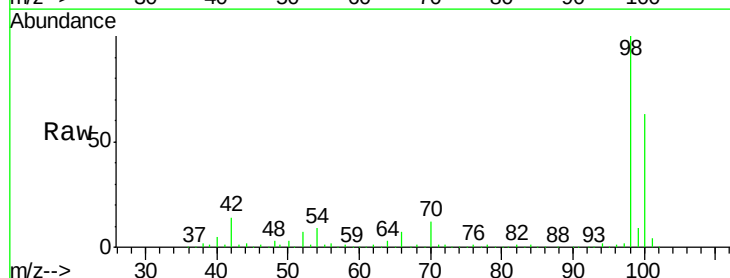
Acq: 16 Sep 2019 15:01

Tgt Ion: 98 Resp: 970319

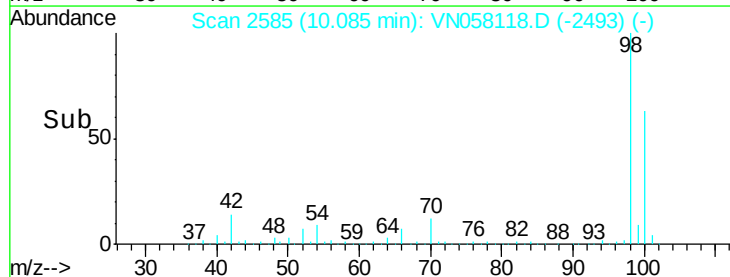
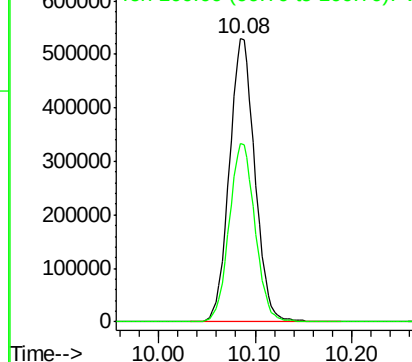
Ion Ratio Lower Upper

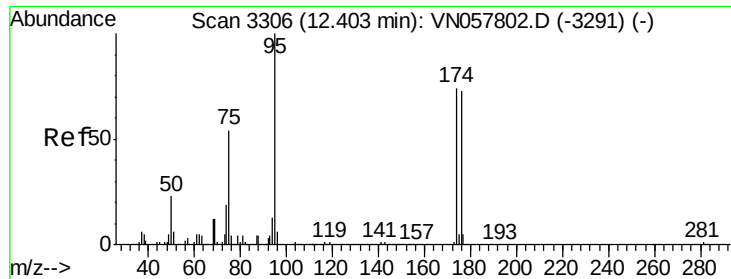
98 100

100 63.7 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VNO  
Ion 100.00 (99.70 to 100.70): VNO

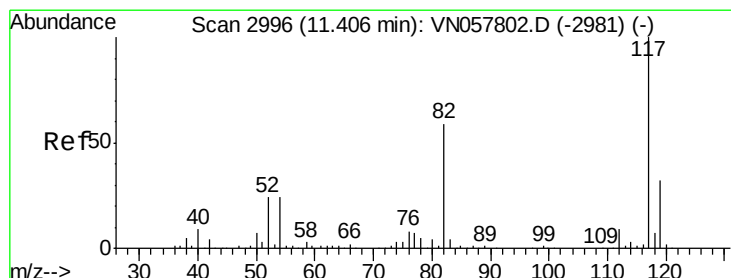
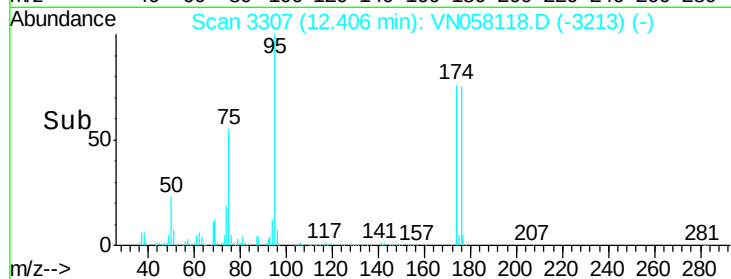
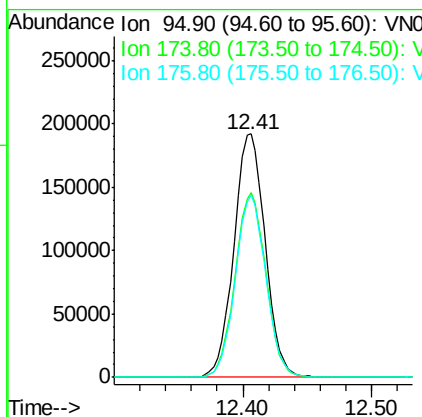
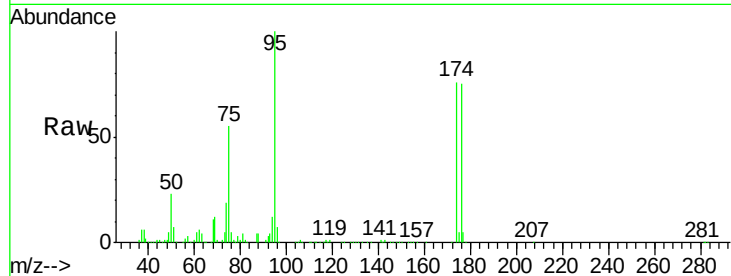




#62  
4-Bromofluorobenzene  
Concen: 46.078 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.00 min  
Lab File: VN058118.D  
Acq: 16 Sep 2019 15:01

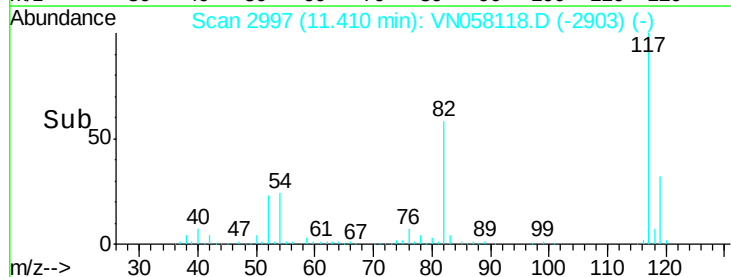
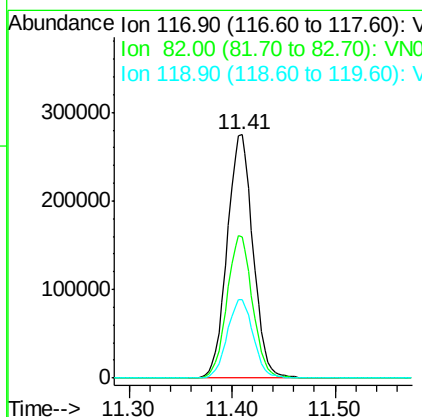
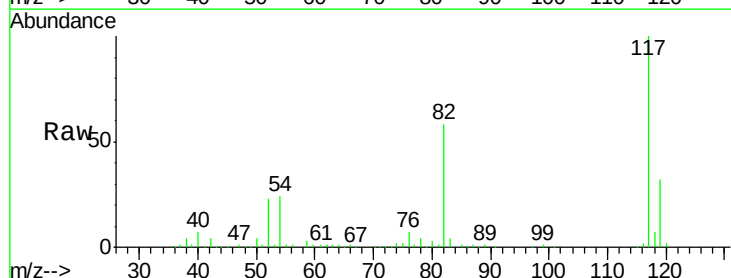
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T4-3-(0)-HELLGATE

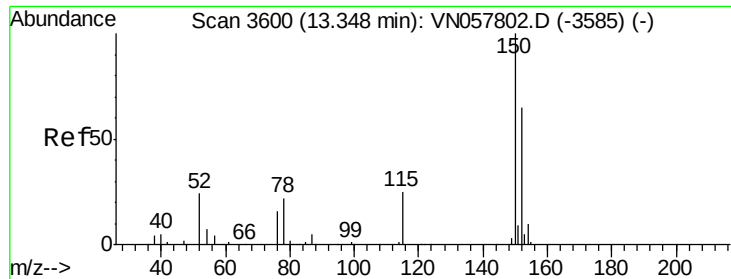
Tot Ion: 95 Resp: 323457  
Ion Ratio Lower Upper  
95 100  
174 75.1 0.0 150.2  
176 73.1 0.0 146.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN058118.D  
Acq: 16 Sep 2019 15:01

Tgt Ion: 117 Resp: 480528  
Ion Ratio Lower Upper  
117 100  
82 58.2 47.2 70.8  
119 32.2 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058118.D

Acq: 16 Sep 2019 15:01

Instrument :

MSVOA\_N

ClientSampleId :

T4-3-(0)-HELLGATE

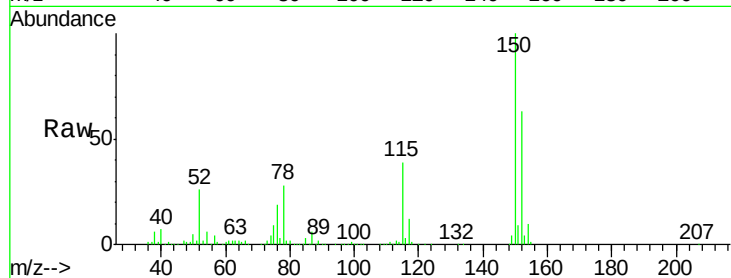
Tot Ion:152 Resp: 254965

Ion Ratio Lower Upper

152 100

115 59.2 30.3 91.0

150 156.7 0.0 352.4



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

