

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\  
 Data File : VN052700.D  
 Acq On : 6 Dec 2018 15:27  
 Operator : MD\SY  
 Sample : J6214-37  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TW-10

Quant Time: Dec 07 07:11:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 03 03:24:02 2018  
 Response via : Initial Calibration

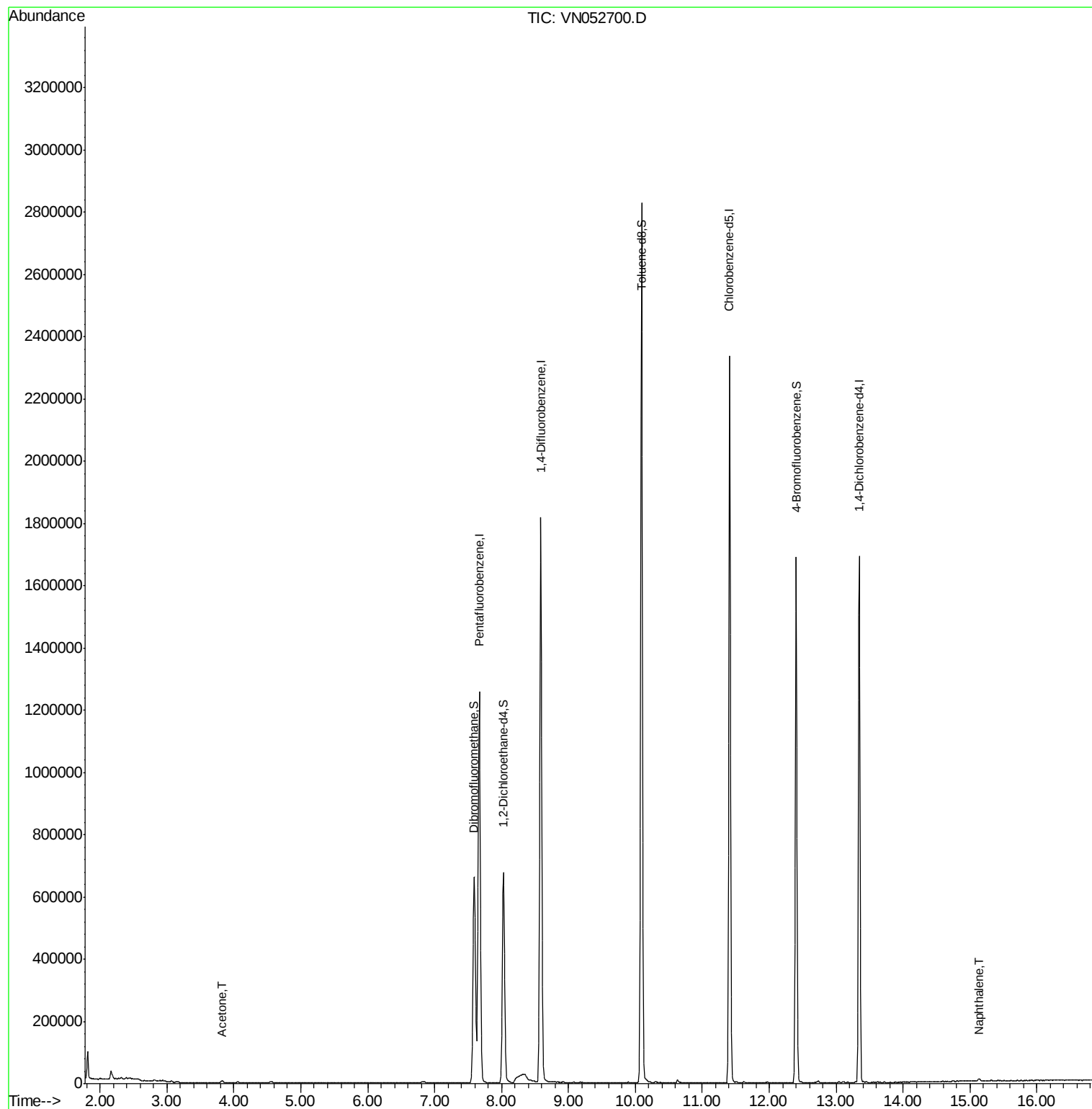
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1080555  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1681381  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1426542  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 472373   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 574800   | 48.86 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.72%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 523299   | 50.48 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.96% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2035604  | 50.45 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.90% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 600205   | 44.27 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.54%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.83  | 43   | 13116    | 4.227 | ug/l    | 90       |
| 95) Naphthalene             | 15.13 | 128  | 6769     | 3.783 | ug/l #  | 93       |

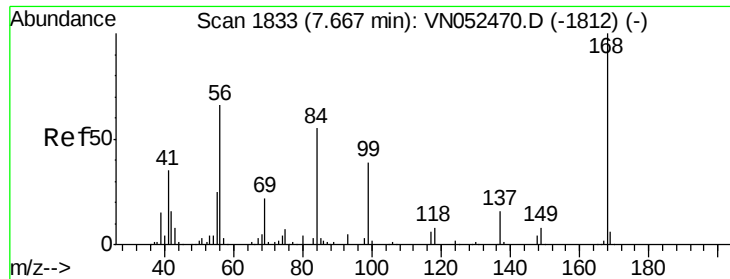
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 03 03:24:02 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052700.D

Acq: 6 Dec 2018 15:27

Instrument :

MSVOA\_N

ClientSampled :

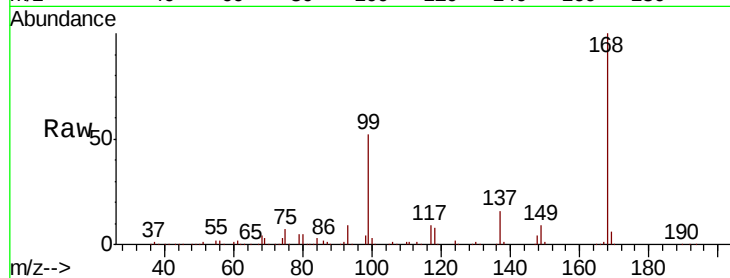
TW-10

Tot Ion:168 Resp: 1080555

Ion Ratio Lower Upper

168 100

99 51.5 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052700.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052700.D (-1740) (-)

7.67

500000

400000

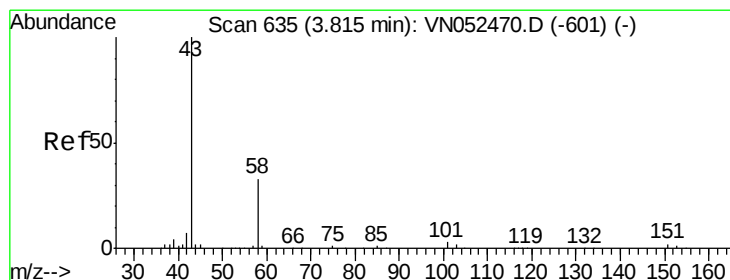
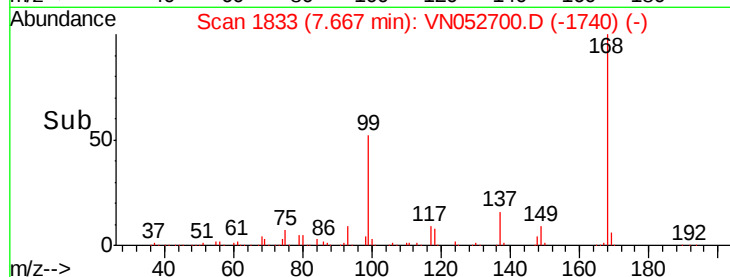
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 4.227 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN052700.D

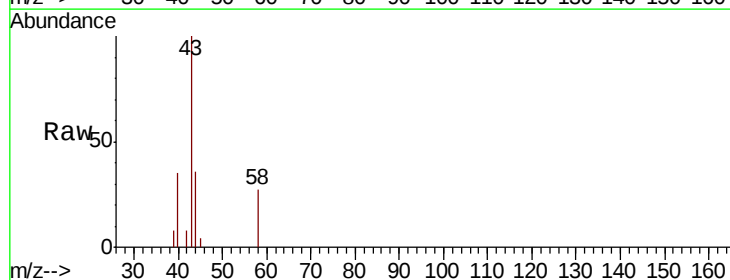
Acq: 6 Dec 2018 15:27

Tgt Ion: 43 Resp: 13116

Ion Ratio Lower Upper

43 100

58 26.7 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052700.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052700.D (-542) (-)

3.83

5000

4000

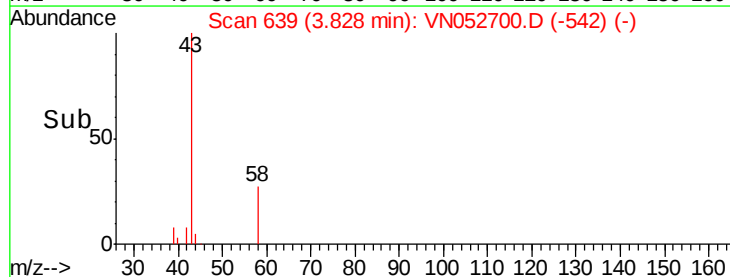
3000

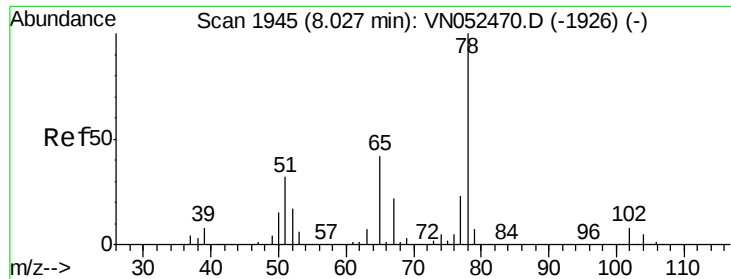
2000

1000

0

Time-->

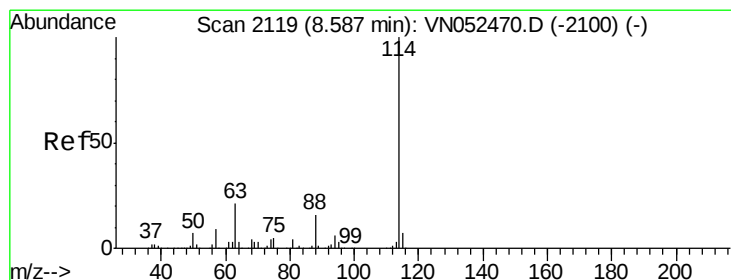
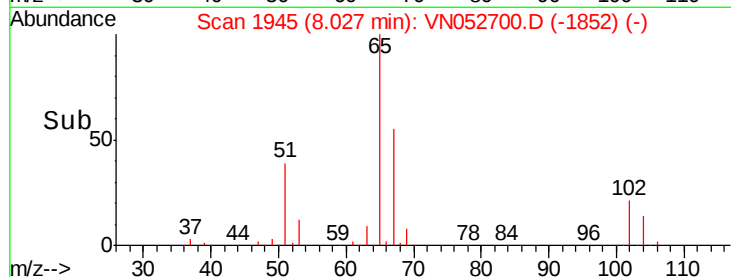
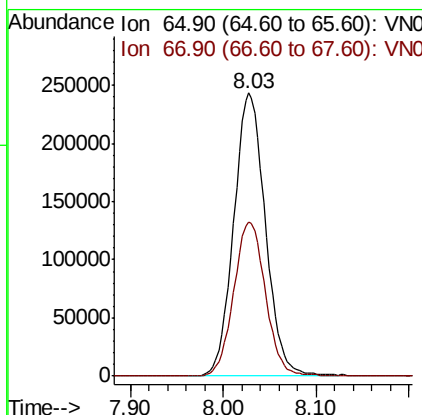
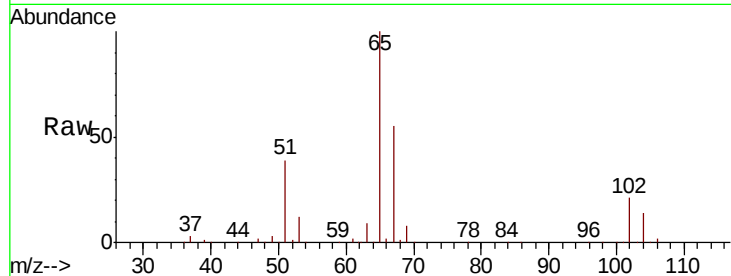




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN052700.D  
 Acq: 6 Dec 2018 15:27

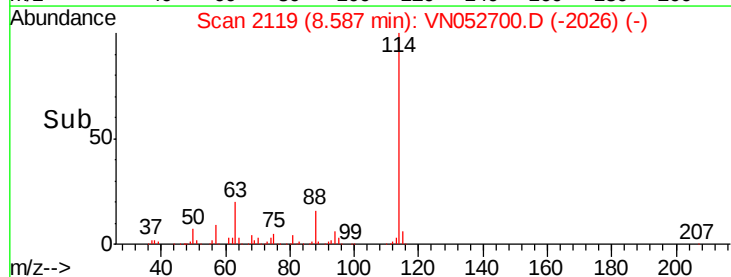
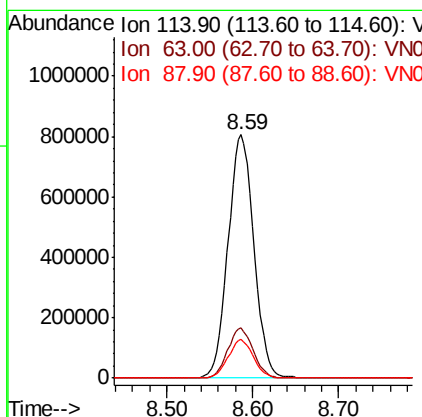
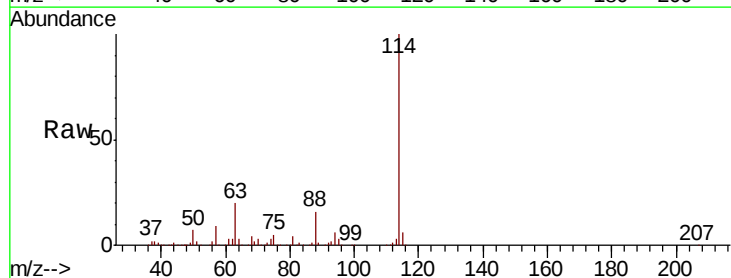
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TW-10

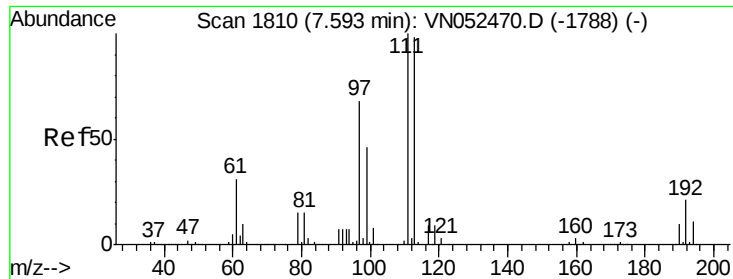
Tot Ion: 65 Resp: 574800  
 Ion Ratio Lower Upper  
 65 100  
 67 54.8 0.0 109.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN052700.D  
 Acq: 6 Dec 2018 15:27

Tgt Ion: 114 Resp: 1681381  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 41.8  
 88 15.7 0.0 31.6

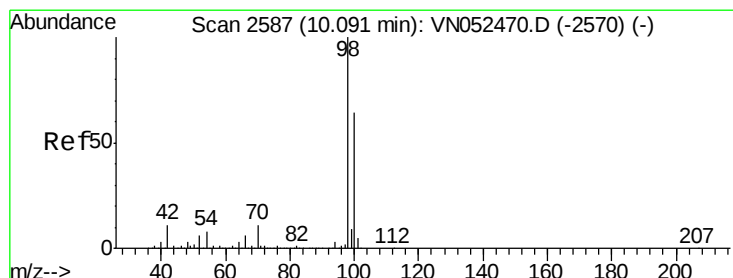
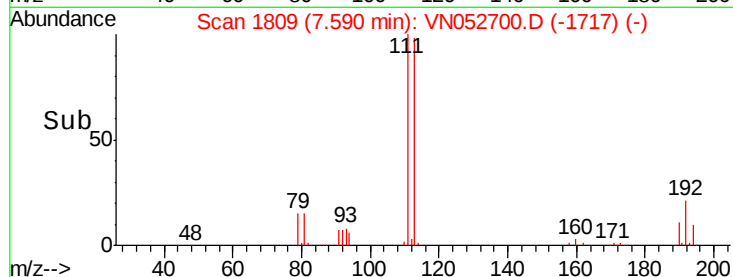
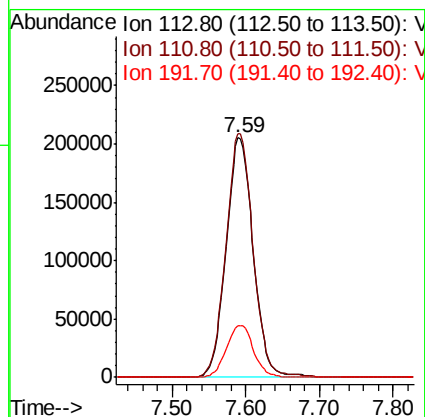
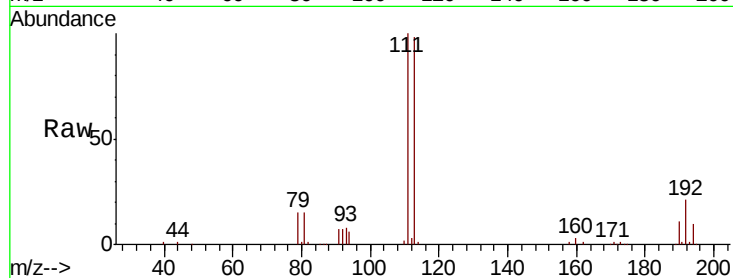




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN052700.D  
 Acq: 6 Dec 2018 15:27

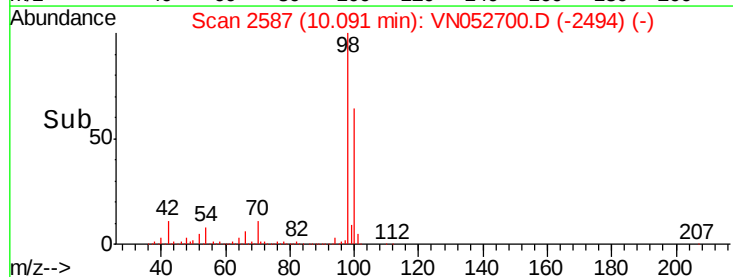
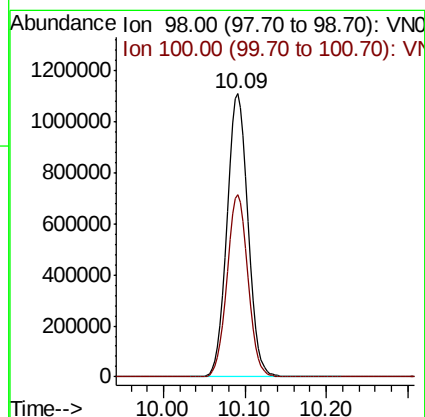
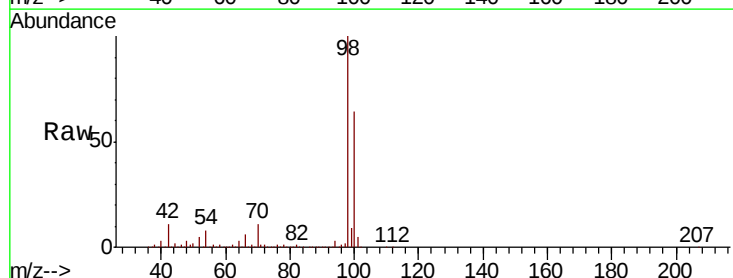
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TW-10

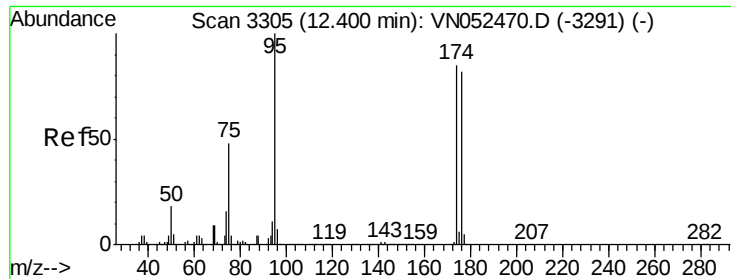
Tot Ion:113 Resp: 523299  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 82.0 123.0  
 192 21.8 17.0 25.6



#50  
 Toluene-d8  
 Concen: N.D. ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. -0.00 min  
 Lab File: VN052700.D  
 Acq: 6 Dec 2018 15:27

Tgt Ion: 98 Resp: 2035604  
 Ion Ratio Lower Upper  
 98 100  
 100 64.1 51.3 76.9

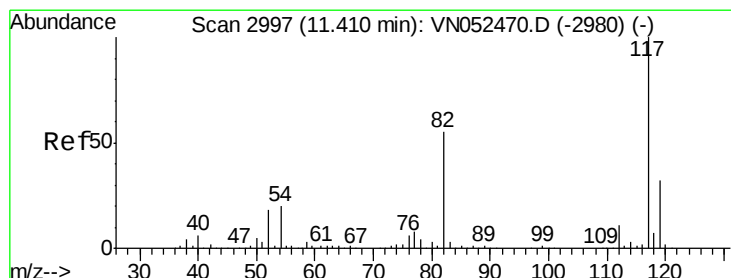
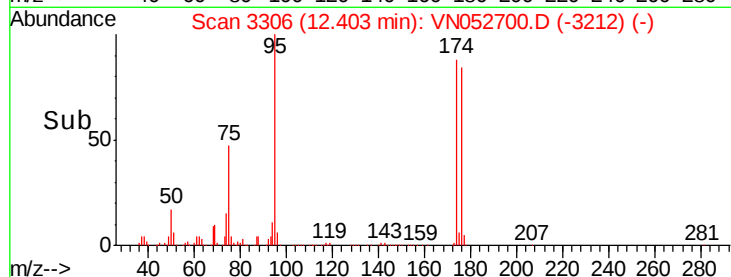
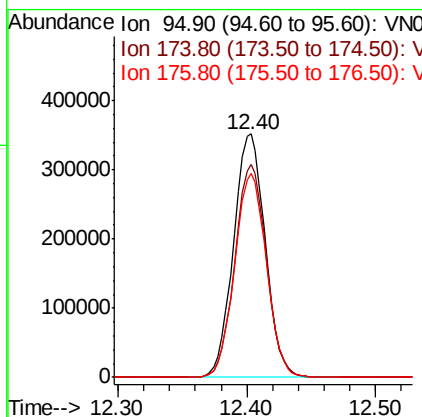
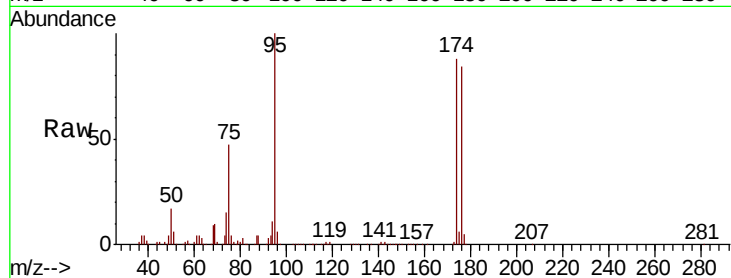




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN052700.D  
Acq: 6 Dec 2018 15:27

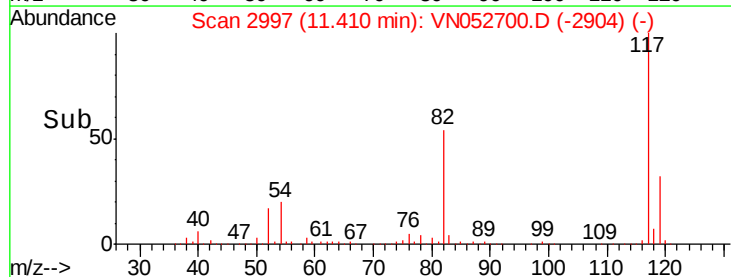
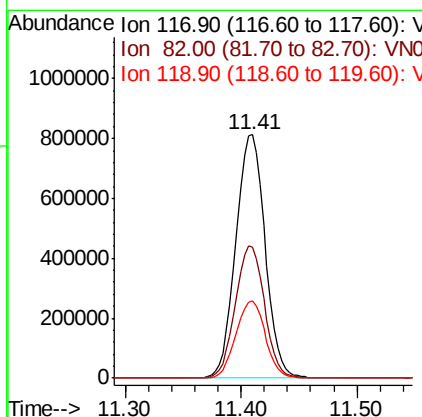
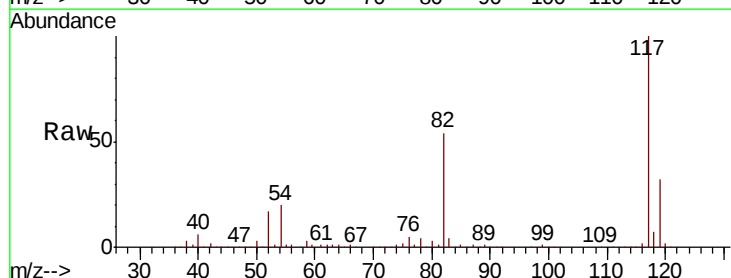
Instrument :  
MSVOA\_N  
ClientSampleId :  
TW-10

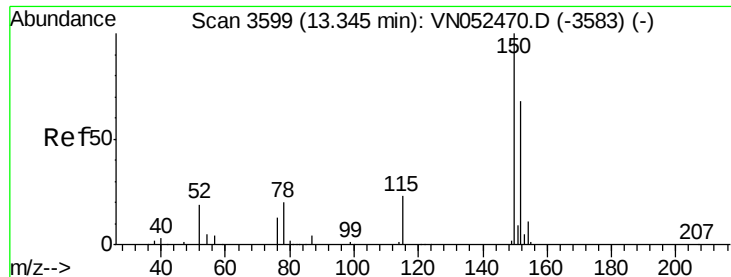
Tot Ion: 95 Resp: 600205  
Ion Ratio Lower Upper  
95 100  
174 87.0 0.0 173.0  
176 84.0 0.0 166.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. -0.00 min  
Lab File: VN052700.D  
Acq: 6 Dec 2018 15:27

Tgt Ion: 117 Resp: 1426542  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.6 65.4  
119 31.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052700.D

Acq: 6 Dec 2018 15:27

Instrument :

MSVOA\_N

ClientSampleId :

TW-10

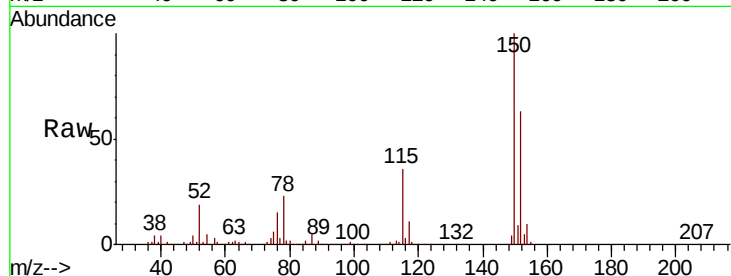
Tot Ion:152 Resp: 472373

Ion Ratio Lower Upper

152 100

115 56.8 28.4 85.2

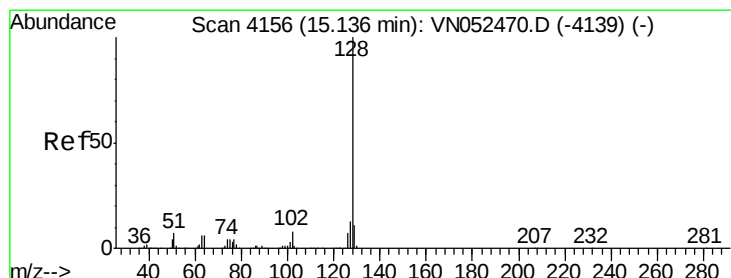
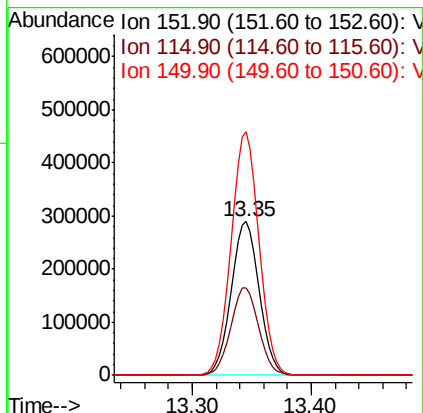
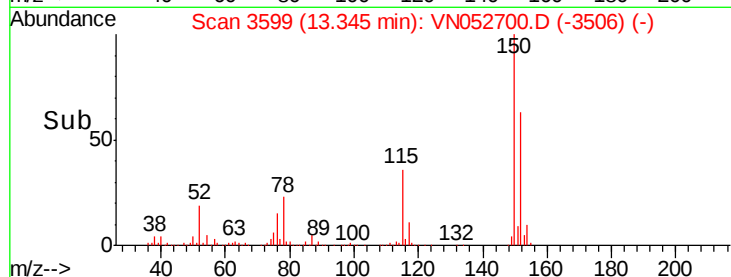
150 157.1 0.0 346.0



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: 3.783 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052700.D

Acq: 6 Dec 2018 15:27

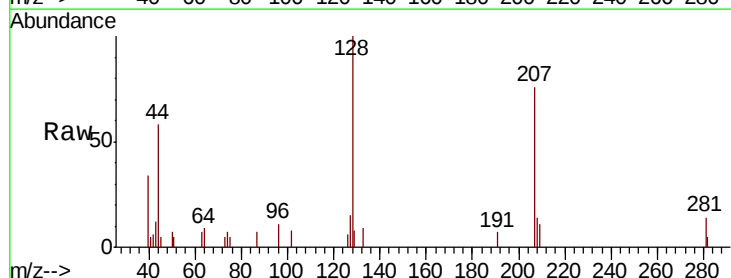
Tgt Ion:128 Resp: 6769

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

129 5.6 8.7 13.1#



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

