

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\  
 Data File : VN053480.D  
 Acq On : 18 Jan 2019 18:51  
 Operator : JC/SP  
 Sample : K1199-09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 23 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SA-TW521-2327

Quant Time: Jan 21 10:55:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 03:10:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 845278   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1319166  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1226078  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 504526   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 425198   | 50.89 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.78% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 388936   | 51.66 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.32% |      |
| 50) Toluene-d8              | 10.09  | 98  | 1637090  | 51.42 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.84% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 538505   | 48.23 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.46%  |      |

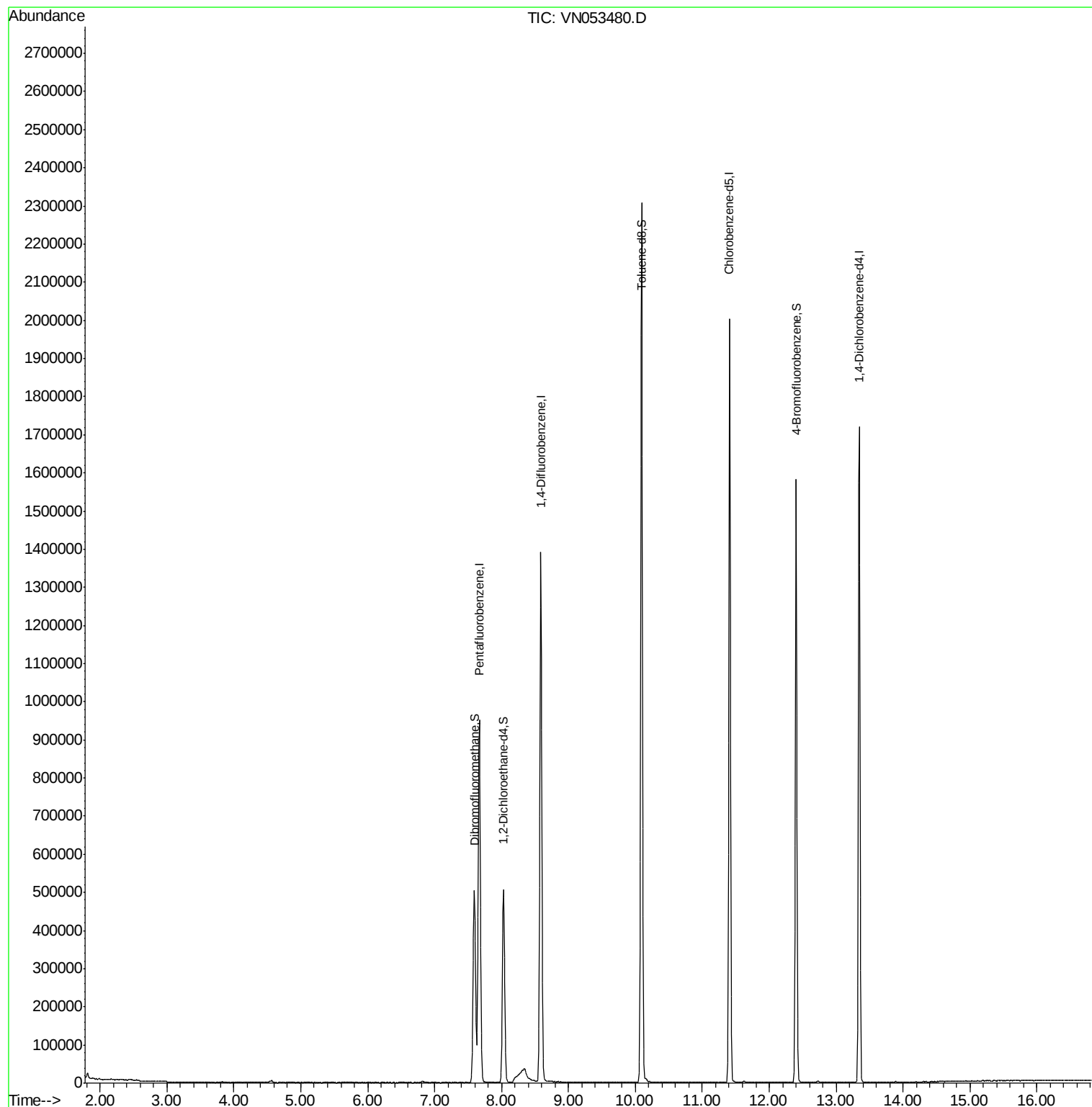
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

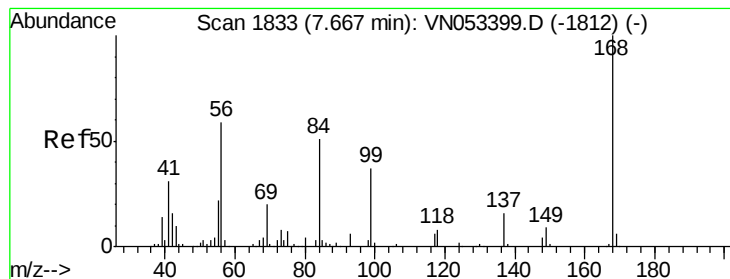
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Jan 16 03:10:53 2019  
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: VN053480.D

Acq: 18 Jan 2019 18:51

Instrument :

MSVOA\_N

ClientSampleId :

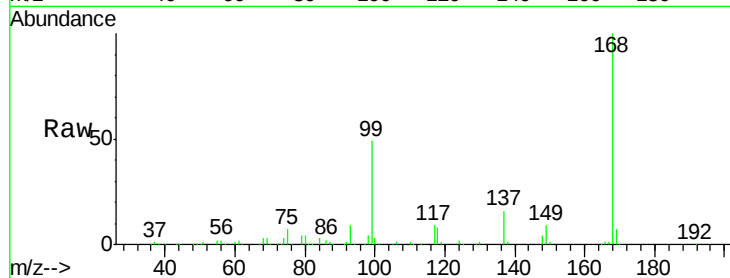
SA-TW521-2327

Tot Ion:168 Resp: 845278

Ion Ratio Lower Upper

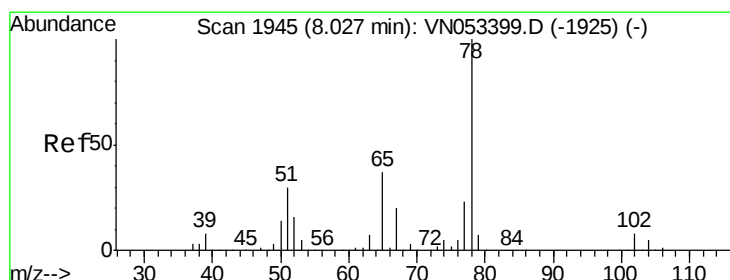
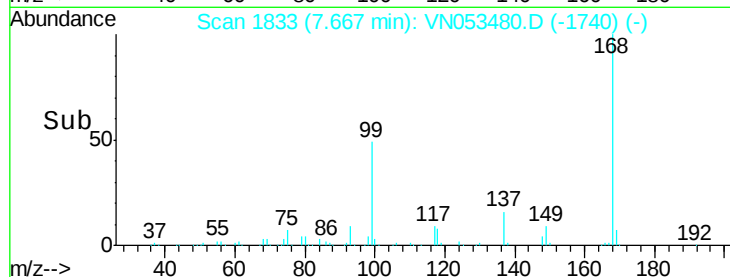
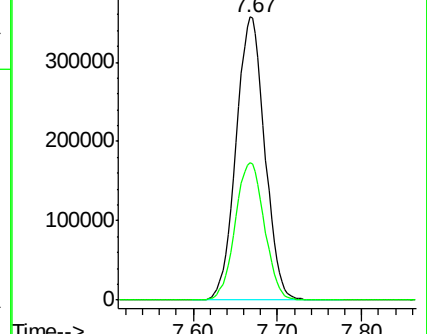
168 100

99 48.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053480.D

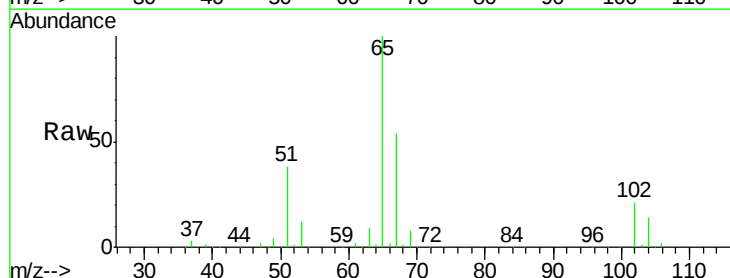
Acq: 18 Jan 2019 18:51

Tgt Ion: 65 Resp: 425198

Ion Ratio Lower Upper

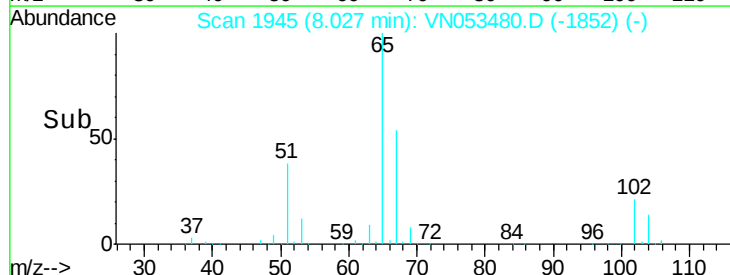
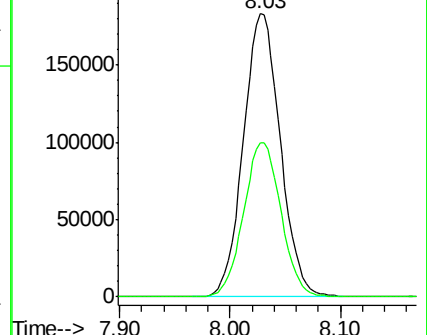
65 100

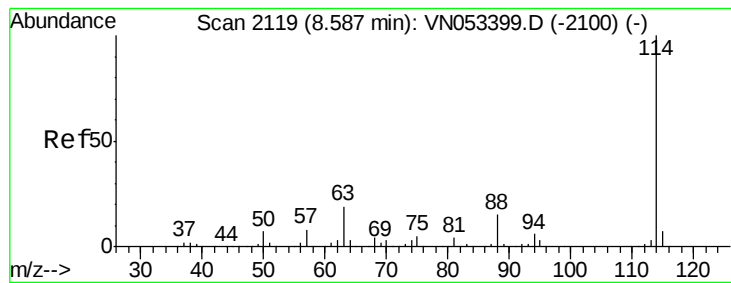
67 55.1 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053480.D

Acq: 18 Jan 2019 18:51

Instrument :

MSVOA\_N

ClientSampleId :

SA-TW521-2327

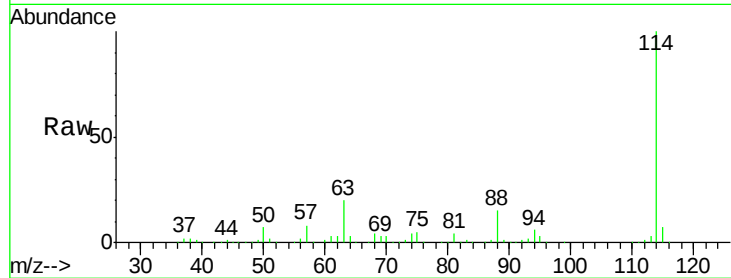
Tot Ion:114 Resp: 1319166

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

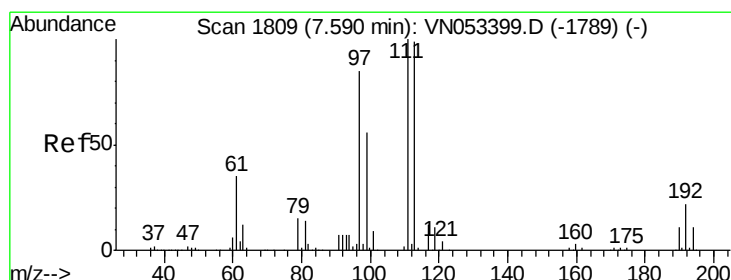
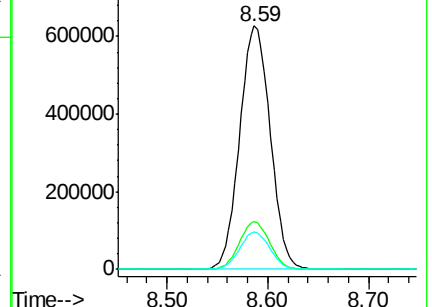
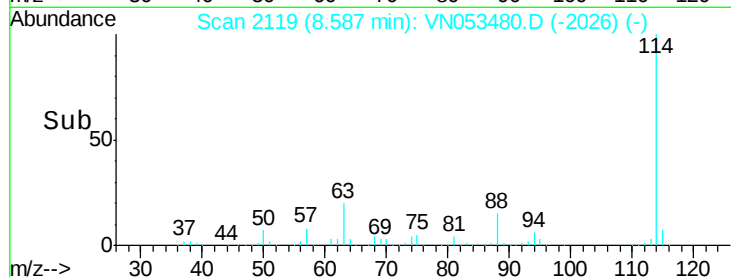
88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053480.D

Acq: 18 Jan 2019 18:51

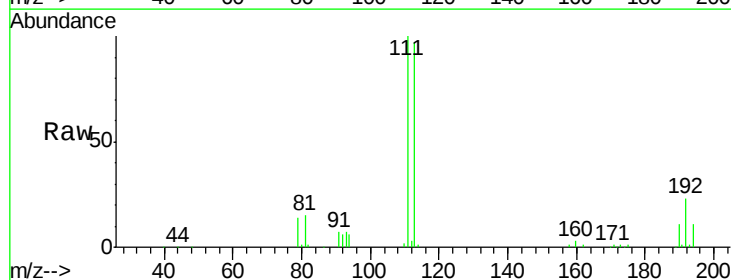
Tgt Ion:113 Resp: 388936

Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

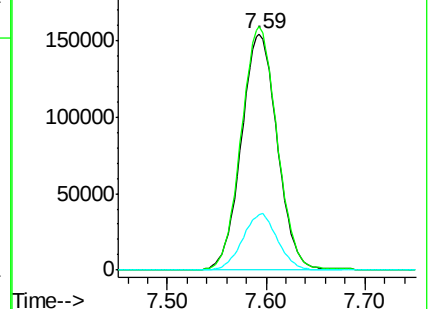
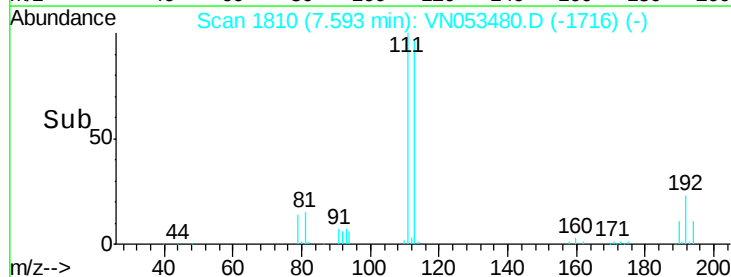
192 23.2 18.2 27.2

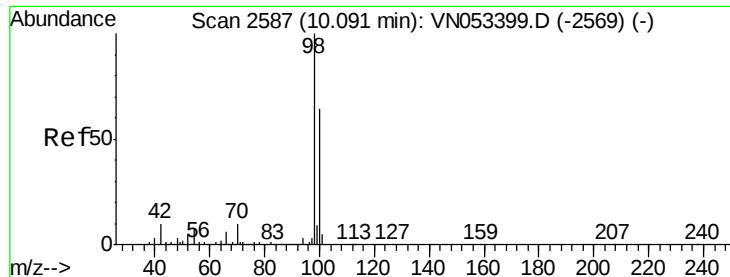


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053480.D

Acq: 18 Jan 2019 18:51

Instrument :

MSVOA\_N

ClientSampleId :

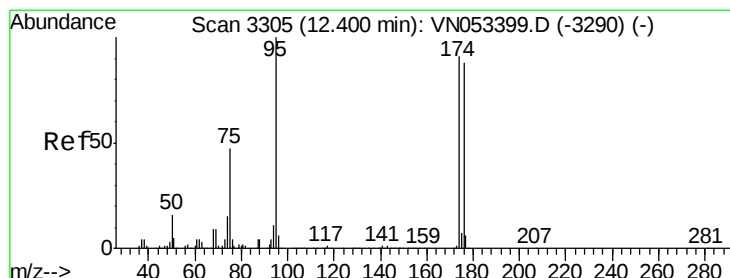
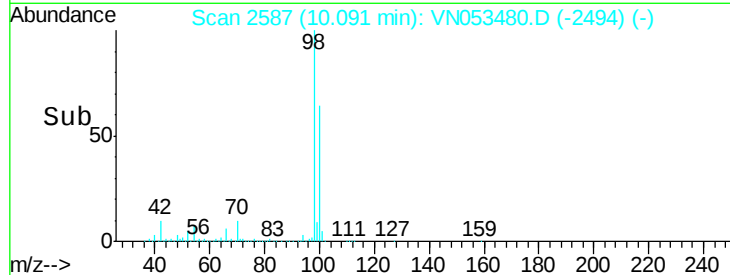
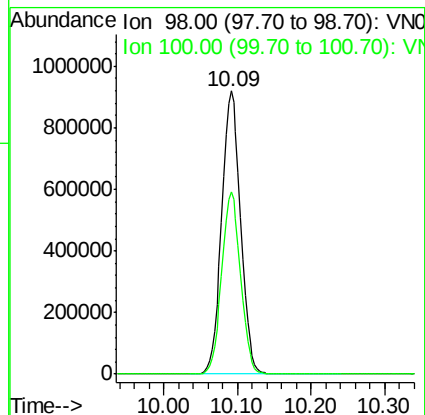
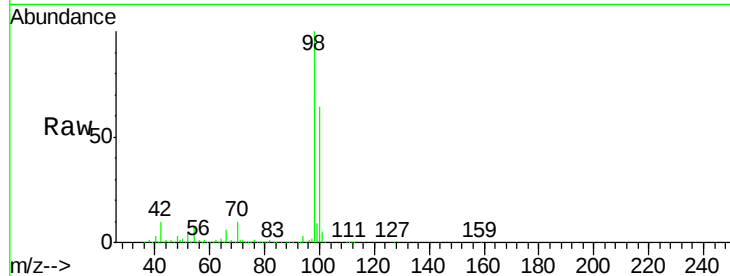
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Tot Ion: 98 Resp: 1637090

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053480.D

Acq: 18 Jan 2019 18:51

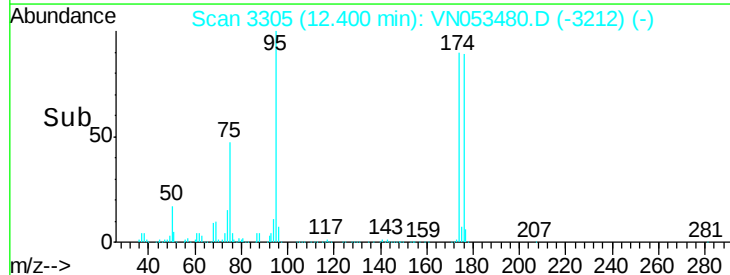
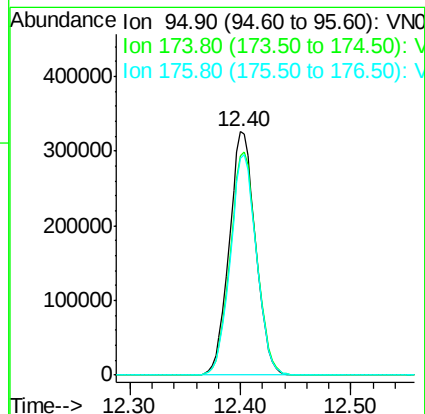
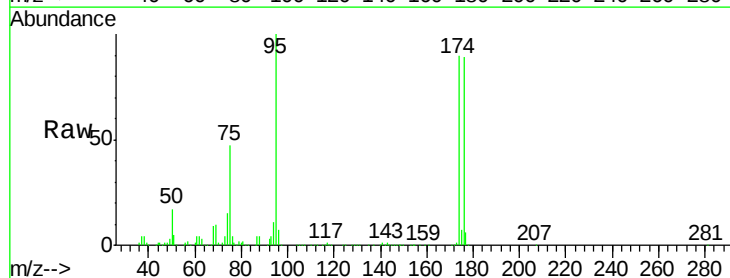
Tgt Ion: 95 Resp: 538505

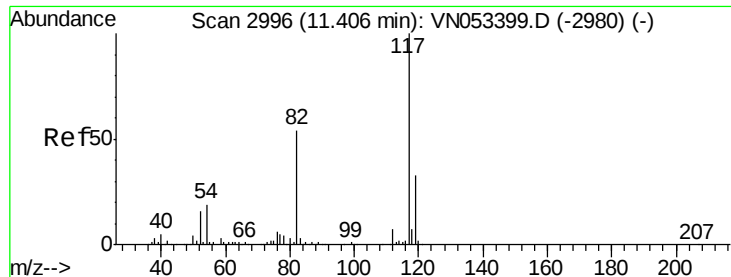
Ion Ratio Lower Upper

95 100

174 92.2 0.0 183.2

176 89.7 0.0 177.4

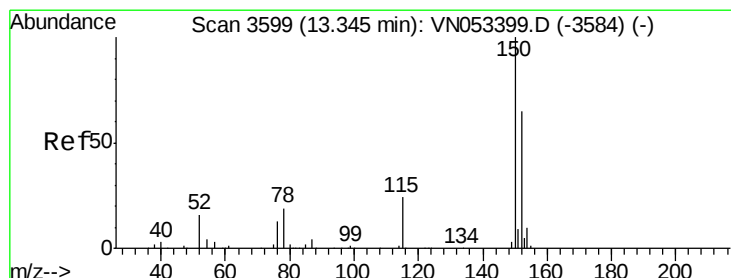
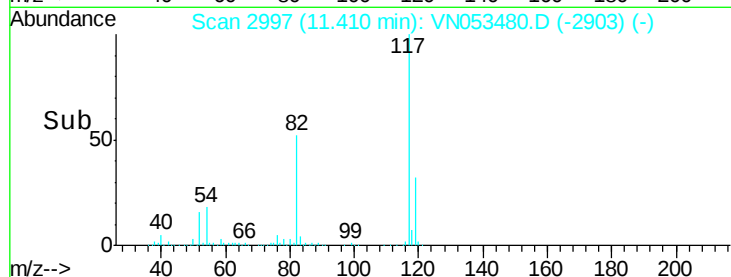
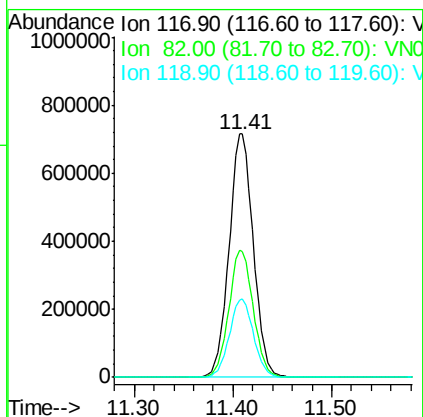
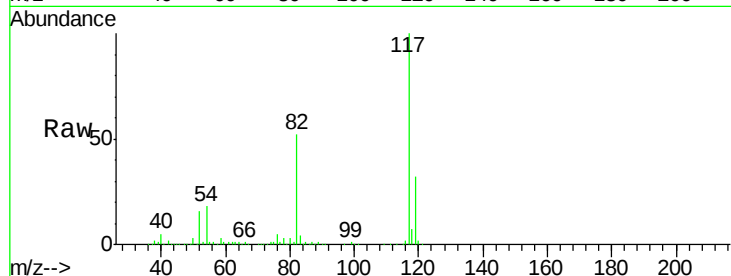




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053480.D  
Acq: 18 Jan 2019 18:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
SA-TW521-2327

Tot Ion:117 Resp: 1226078  
Ion Ratio Lower Upper  
117 100  
82 51.9 42.9 64.3  
119 32.0 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN053480.D  
Acq: 18 Jan 2019 18:51

Tgt Ion:152 Resp: 504526  
Ion Ratio Lower Upper  
152 100  
115 54.9 27.8 83.4  
150 155.2 0.0 349.0

