

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\  
 Data File : VN058040.D  
 Acq On : 14 Sep 2019 00:09  
 Operator : JC/SP  
 Sample : K4694-31  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T2-1-(0)

Quant Time: Sep 14 06:04:36 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

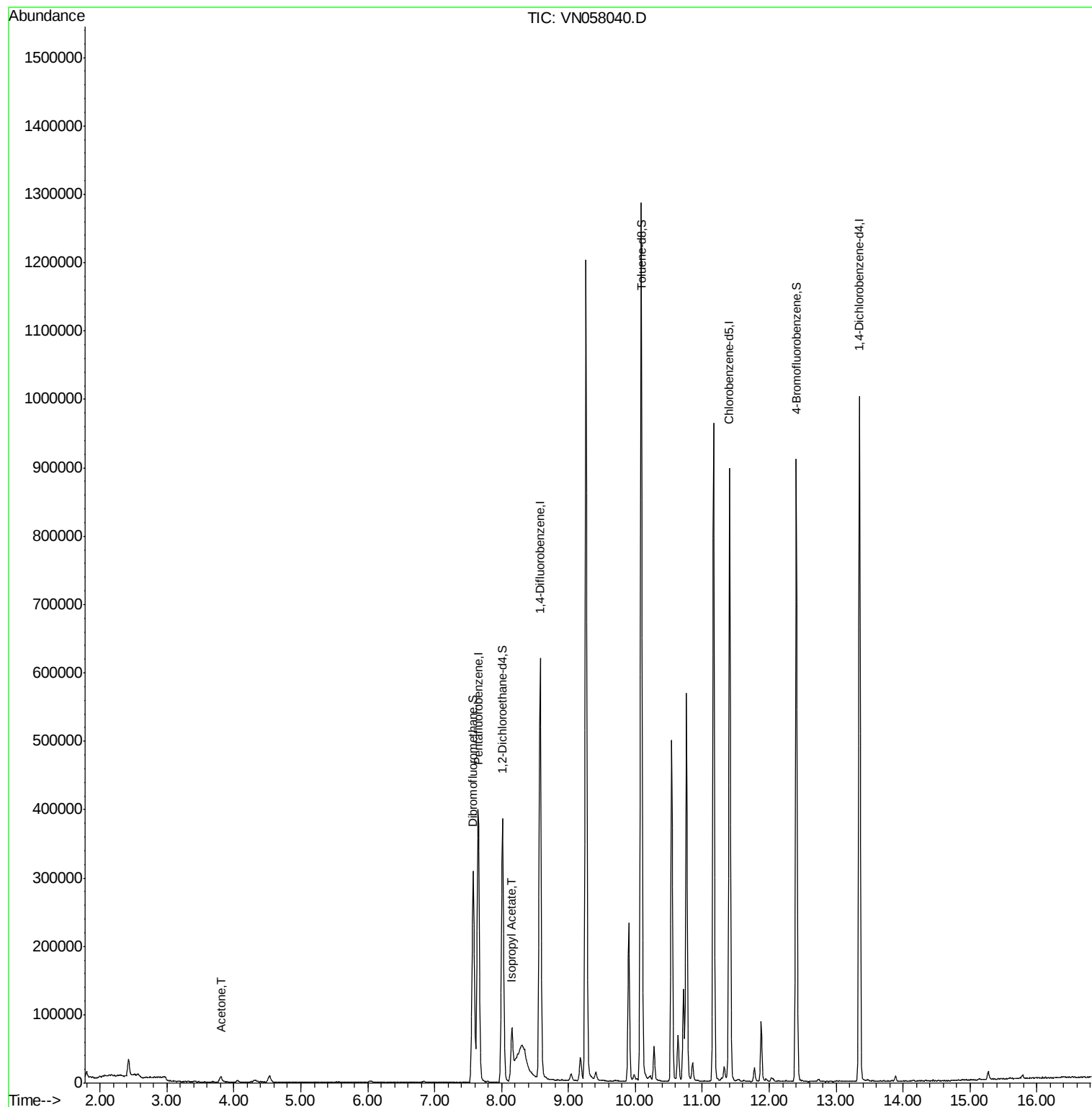
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 305472   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 528675   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 483327   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 245133   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 333139   | 53.84 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.68% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 232633   | 47.68 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.36%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 876701   | 46.28 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.56%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 307477   | 42.59 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 85.18%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.81  | 43   | 12332    | 6.080 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 101484   | 9.526 | ug/l #  | 85       |

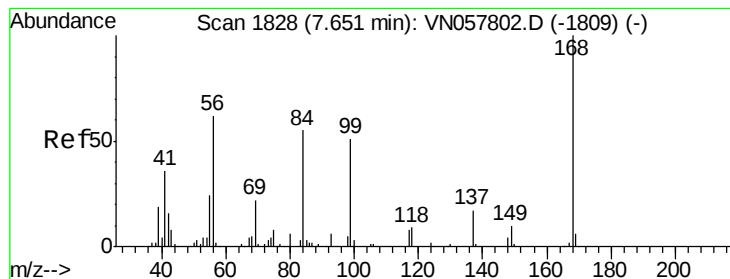
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
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: VN058040.D

Acq: 14 Sep 2019 00:09

Instrument :

MSVOA\_N

ClientSampled :

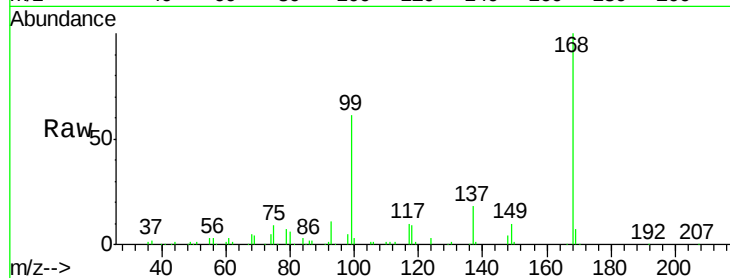
T2-1-(0)

Tot Ion:168 Resp: 305472

Ion Ratio Lower Upper

168 100

99 61.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN058040.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN058040.D (-1735) (-)

7.65

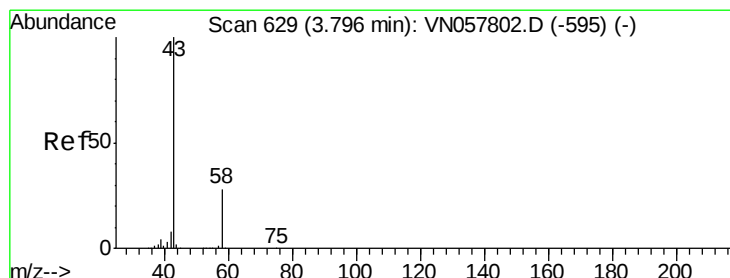
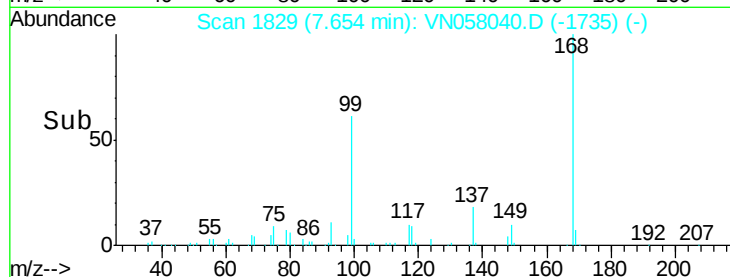
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.080 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN058040.D

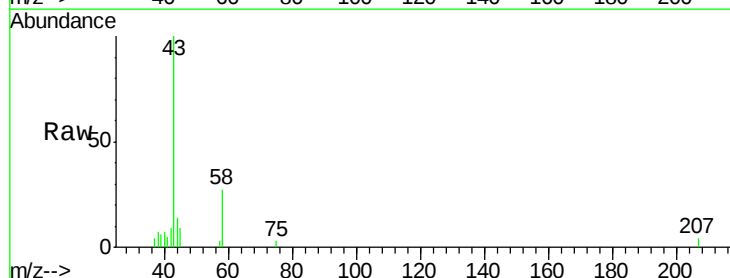
Acq: 14 Sep 2019 00:09

Tgt Ion: 43 Resp: 12332

Ion Ratio Lower Upper

43 100

58 28.8 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN058040.D (-536) (-)

Ion 58.00 (57.70 to 58.70): VN058040.D (-536) (-)

3.81

5000

4000

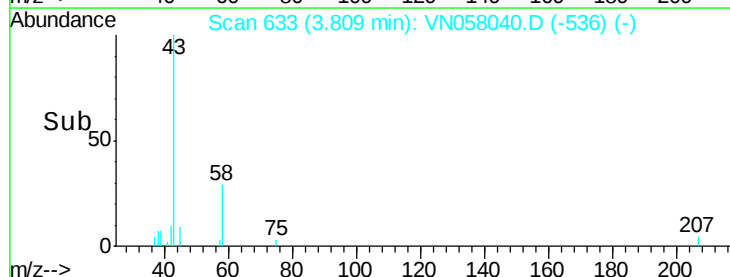
3000

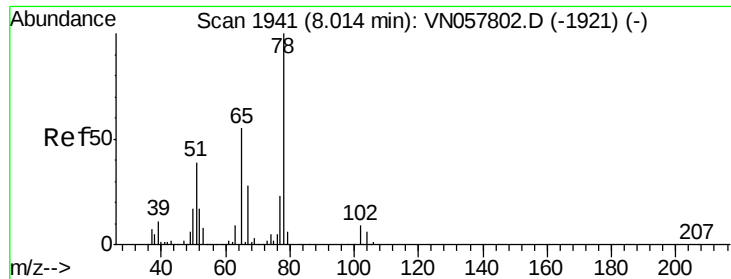
2000

1000

0

Time-->

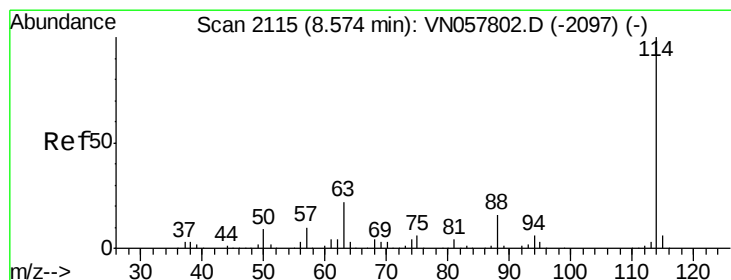
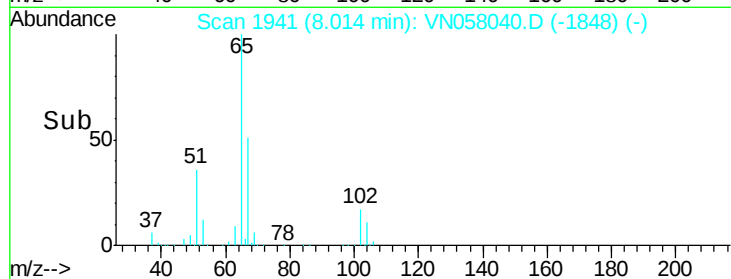
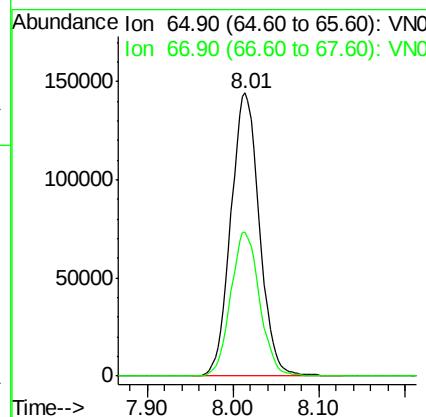
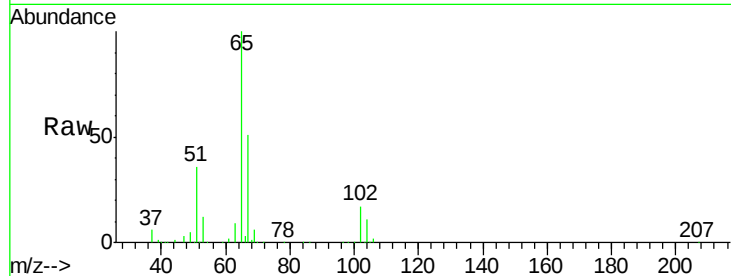




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.844 ug/l  
 RT: 8.01 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: VN058040.D  
 Acq: 14 Sep 2019 00:09

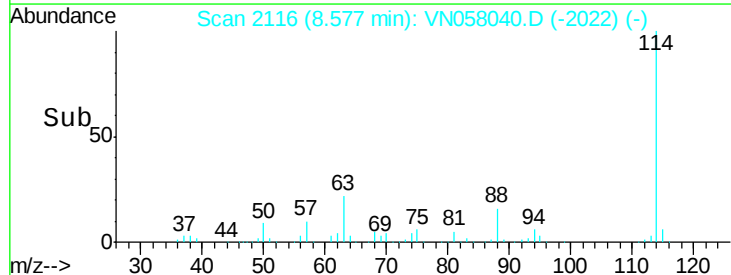
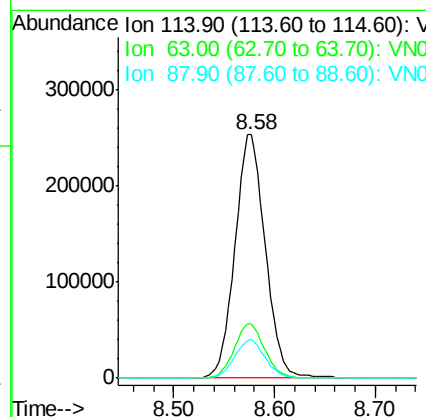
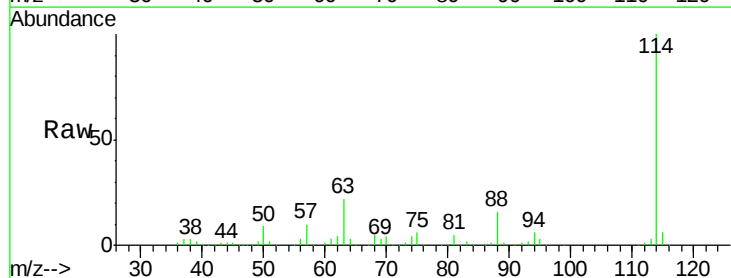
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T2-1-(0)

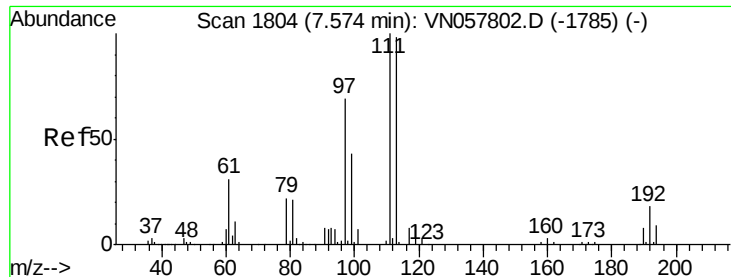
Tot Ion: 65 Resp: 333139  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN058040.D  
 Acq: 14 Sep 2019 00:09

Tgt Ion: 114 Resp: 528675  
 Ion Ratio Lower Upper  
 114 100  
 63 22.1 0.0 44.0  
 88 15.9 0.0 31.4

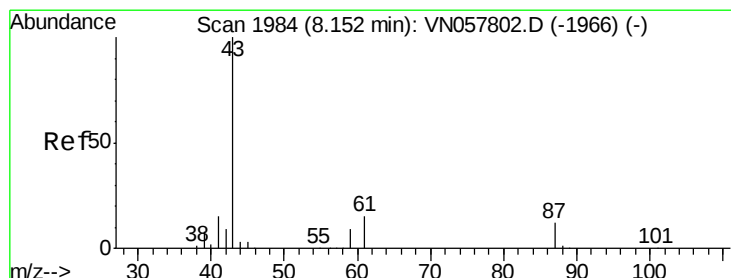
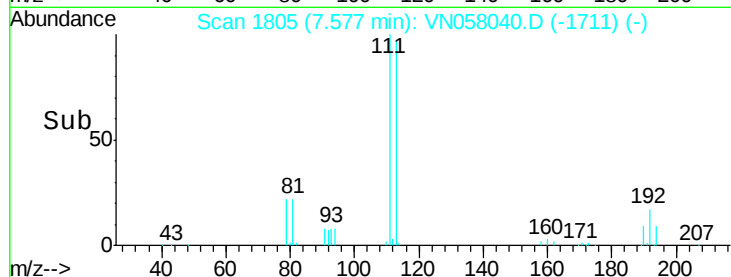
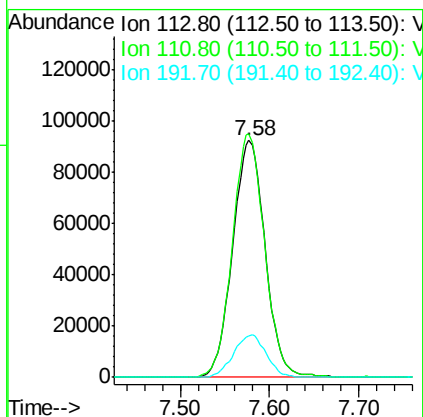
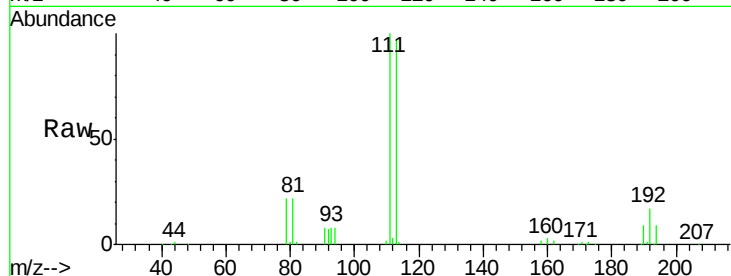




#35  
 Dibromofluoromethane  
 Concen: 47.676 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: VN058040.D  
 Acq: 14 Sep 2019 00:09

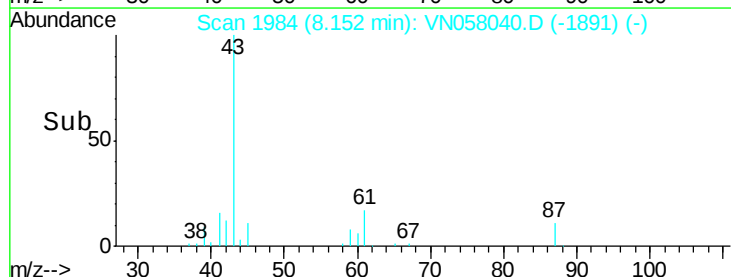
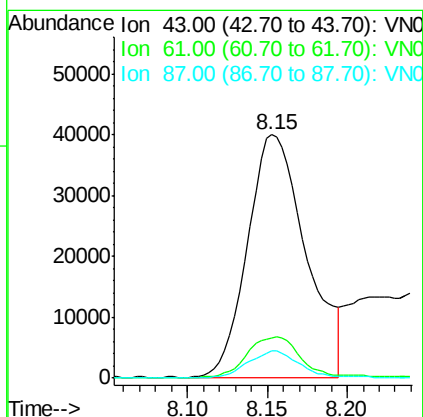
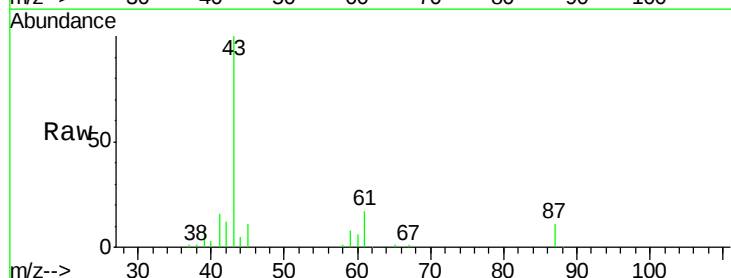
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T2-1-(0)

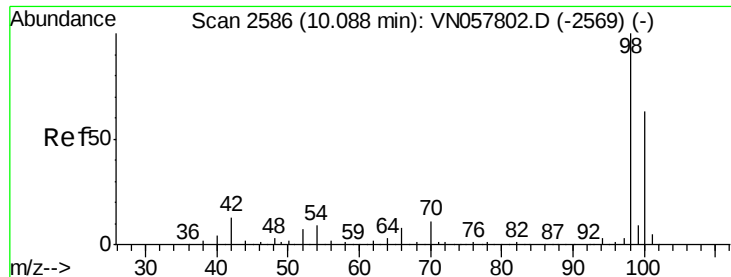
Tot Ion:113 Resp: 232633  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 81.3 121.9  
 192 18.0 14.6 22.0



#43  
 Isopropyl Acetate  
 Concen: 9.526 ug/l  
 RT: 8.15 min Scan# 1984  
 Delta R.T. 0.00 min  
 Lab File: VN058040.D  
 Acq: 14 Sep 2019 00:09

Tgt Ion: 43 Resp: 101484  
 Ion Ratio Lower Upper  
 43 100  
 61 15.3 20.1 30.1#  
 87 9.7 9.5 14.3





#50

Toluene-d8

Concen: 46.277 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058040.D

Acq: 14 Sep 2019 00:09

Instrument :

MSVOA\_N

ClientSampled :

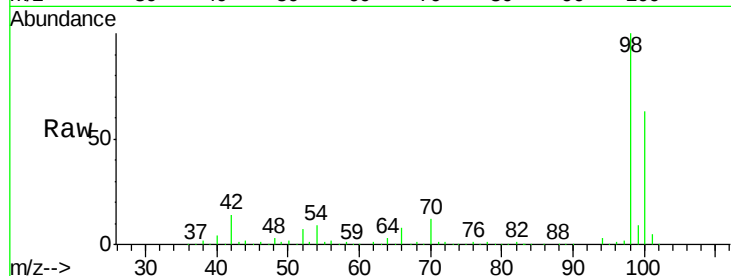
T2-1-(0)

Tot Ion: 98 Resp: 876701

Ion Ratio Lower Upper

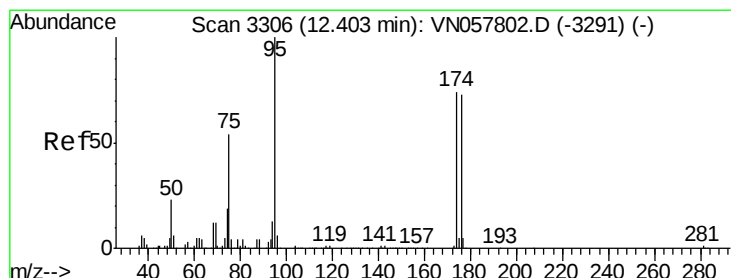
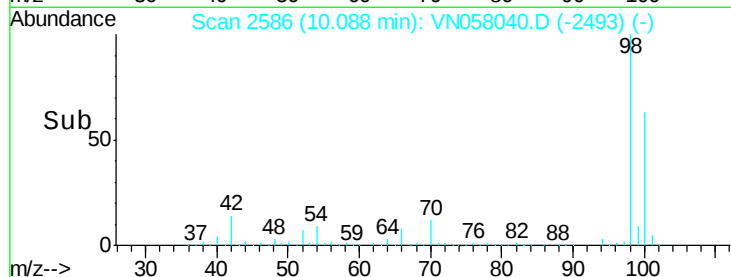
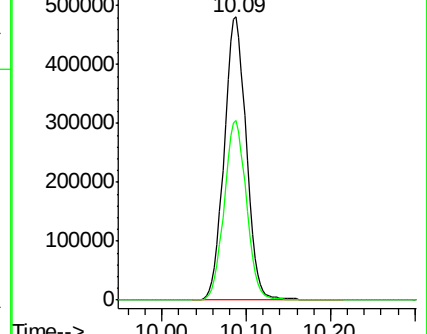
98 100

100 63.5 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 42.589 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058040.D

Acq: 14 Sep 2019 00:09

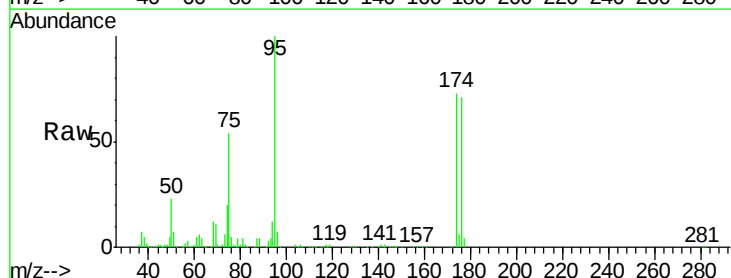
Tgt Ion: 95 Resp: 307477

Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.2

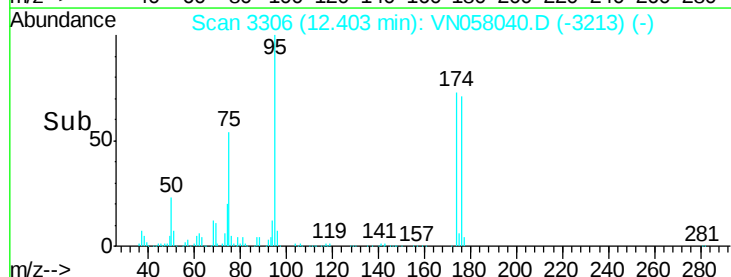
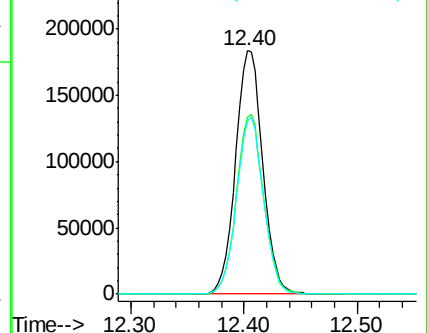
176 71.9 0.0 146.0

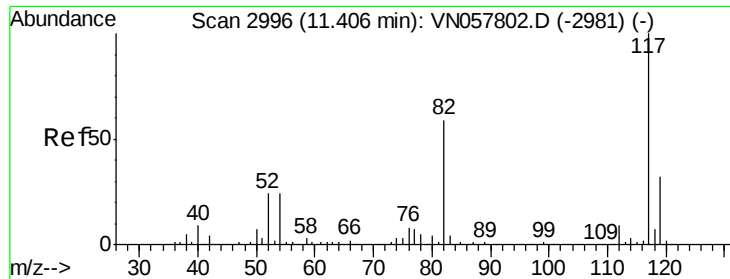


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN

Ion 175.80 (175.50 to 176.50): VN





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058040.D

Acq: 14 Sep 2019 00:09

Instrument :

MSVOA\_N

ClientSampled :

T2-1-(0)

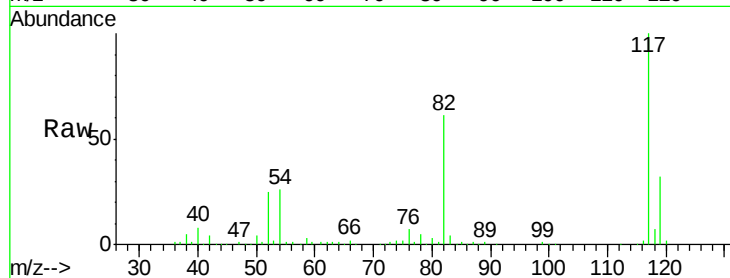
Tot Ion:117 Resp: 483327

Ion Ratio Lower Upper

117 100

82 60.7 47.2 70.8

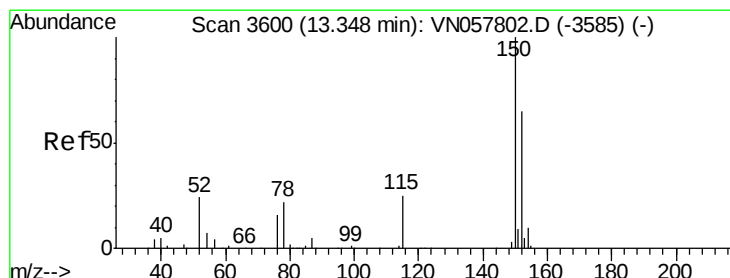
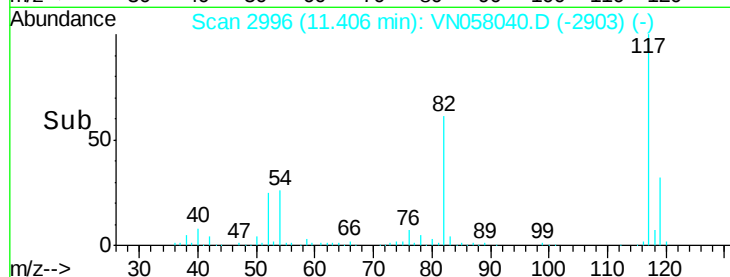
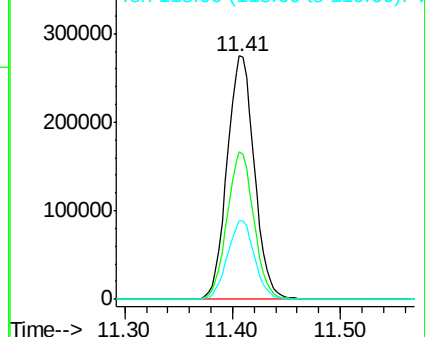
119 32.1 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058040.D

Acq: 14 Sep 2019 00:09

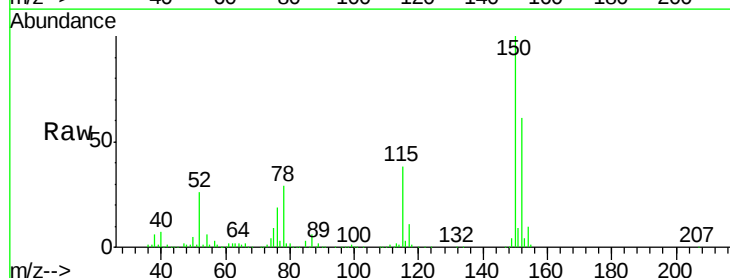
Tgt Ion:152 Resp: 245133

Ion Ratio Lower Upper

152 100

115 61.5 30.3 91.0

150 161.7 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

