

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\  
 Data File : VN058029.D  
 Acq On : 13 Sep 2019 20:07  
 Operator : JC/SP  
 Sample : K4680-36  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T3-3-(1.5)

Quant Time: Sep 14 05:35:33 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

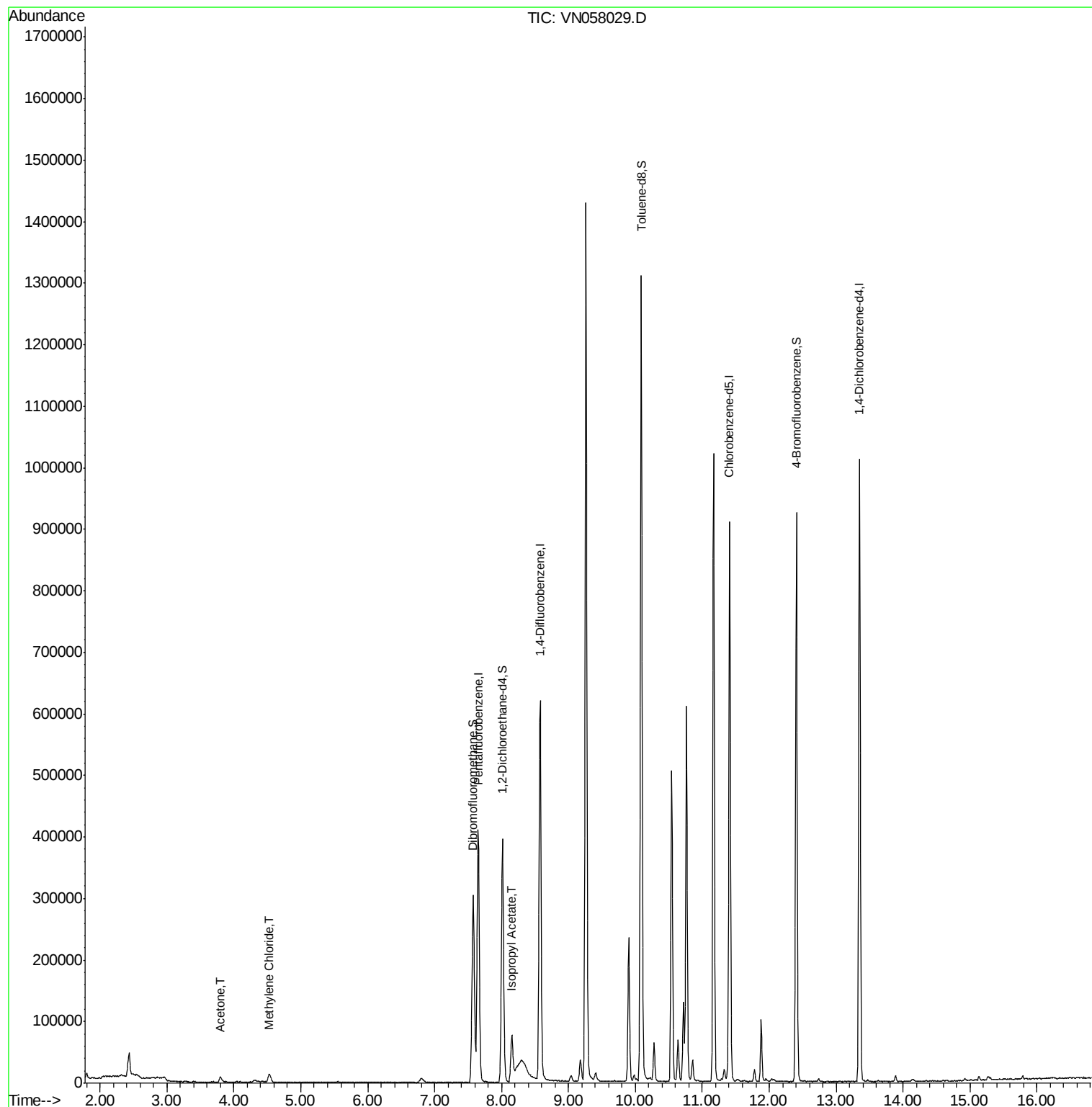
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 318982   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 534874   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 492708   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 252453   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 338581   | 52.41 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.82% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 235104   | 47.62 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.24%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 898686   | 46.89 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.78%  |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 313534   | 42.92 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 85.84%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.80  | 43   | 15248    | 7.199 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.53  | 84   | 9269     | 1.095 | ug/l    | 90       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 98414    | 9.131 | ug/l #  | 88       |

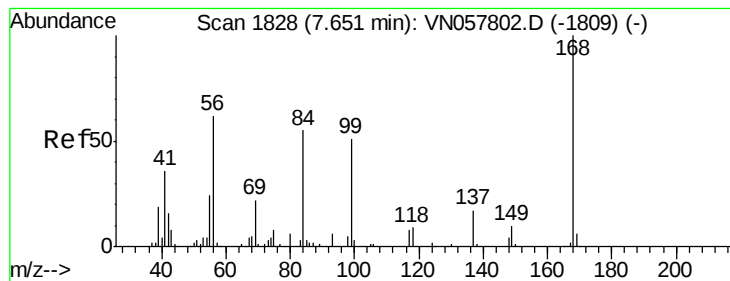
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091419\  
Data File : VN058029.D  
Acq On : 13 Sep 2019 20:07  
Operator : JC/SP  
Sample : K4680-36  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampled :  
T3-3-(1.5)

Quant Time: Sep 14 05:35:33 2019  
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# 1828

Delta R.T. 0.00 min

Lab File: VN058029.D

Acq: 13 Sep 2019 20:07

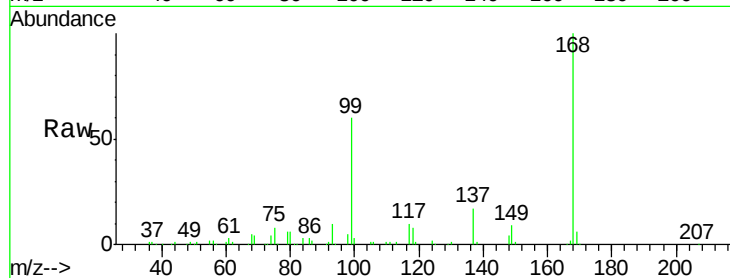
Instrument :  
MSVOA\_N  
ClientSampled :  
T3-3-(1.5)

Tot Ion:168 Resp: 318982

Ion Ratio Lower Upper

168 100

99 59.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

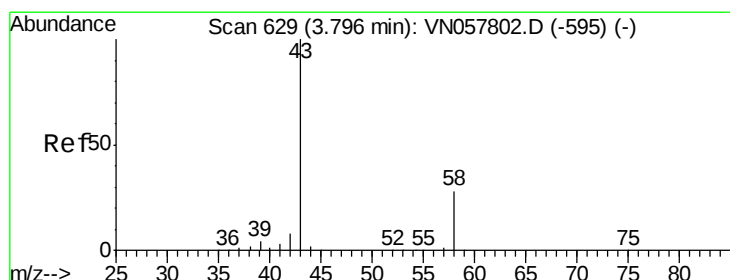
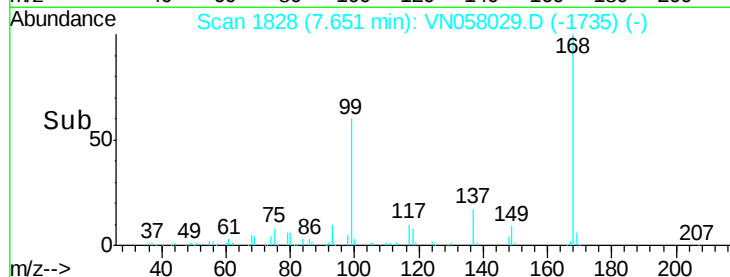
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.199 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058029.D

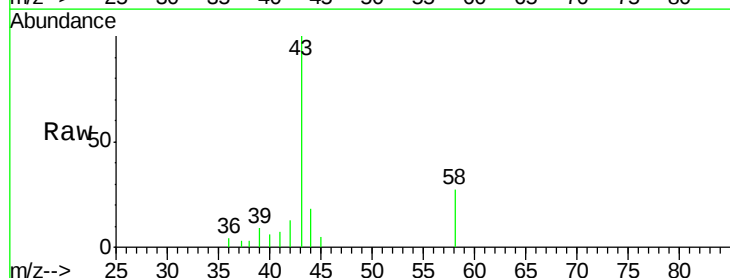
Acq: 13 Sep 2019 20:07

Tgt Ion: 43 Resp: 15248

Ion Ratio Lower Upper

43 100

58 26.7 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

6000

5000

4000

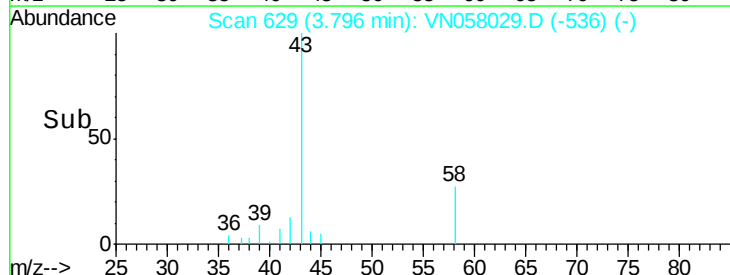
3000

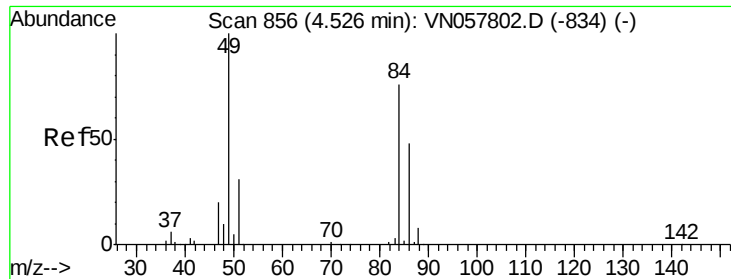
2000

1000

0

Time-->

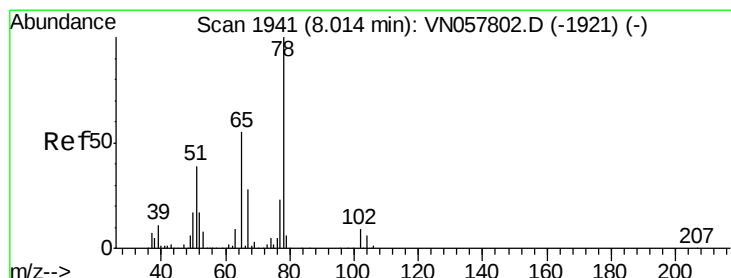
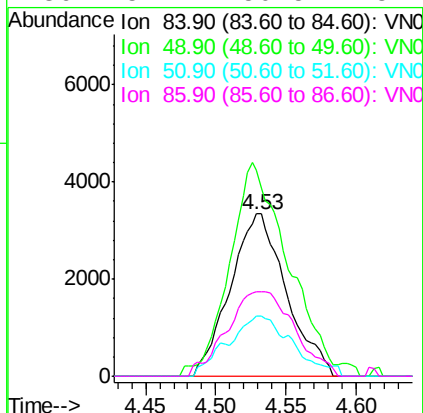
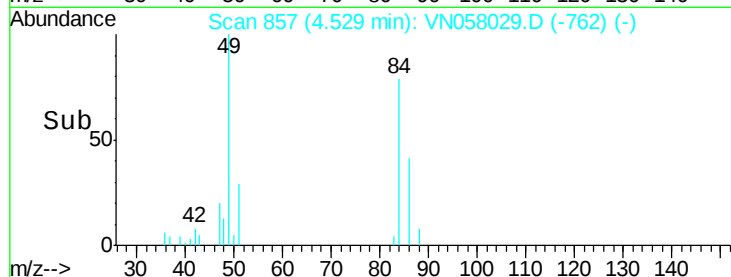
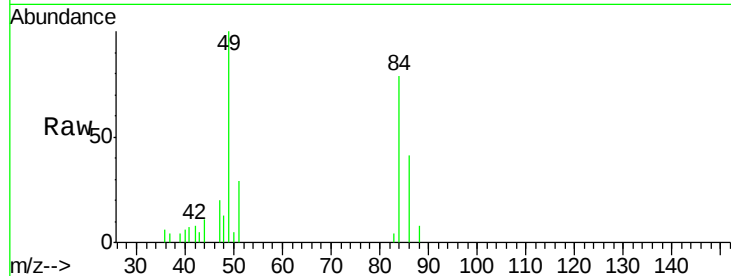




#20  
Methylene Chloride  
Concen: 1.095 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: VN058029.D  
Acq: 13 Sep 2019 20:07

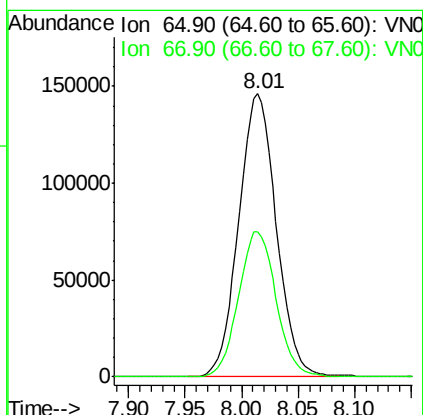
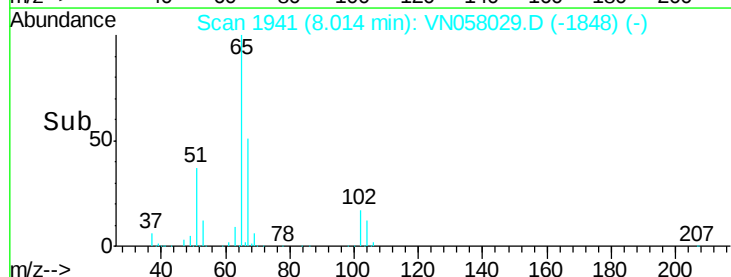
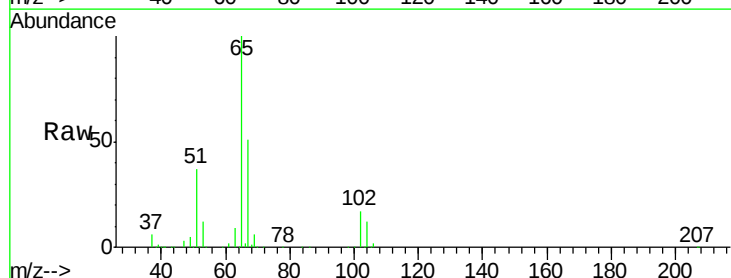
Instrument :  
MSVOA\_N  
ClientSampled :  
T3-3-(1.5)

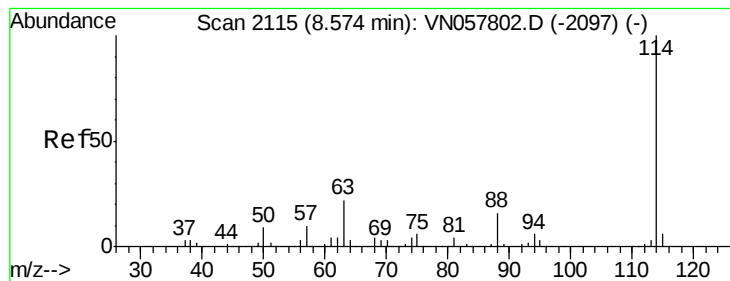
| Tot Ion: | 84    | Resp: | 9269  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 120.6 | 104.8 | 157.2 |
| 51       | 36.9  | 33.0  | 49.4  |
| 86       | 52.4  | 50.5  | 75.7  |



#33  
1,2-Dichloroethane-d4  
Concen: 52.406 ug/l  
RT: 8.01 min Scan# 1941  
Delta R.T. 0.00 min  
Lab File: VN058029.D  
Acq: 13 Sep 2019 20:07

| Tgt Ion: | 65    | Resp: | 338581 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.4  | 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: VN058029.D

Acq: 13 Sep 2019 20:07

Instrument :

MSVOA\_N

ClientSampleId :

T3-3-(1.5)

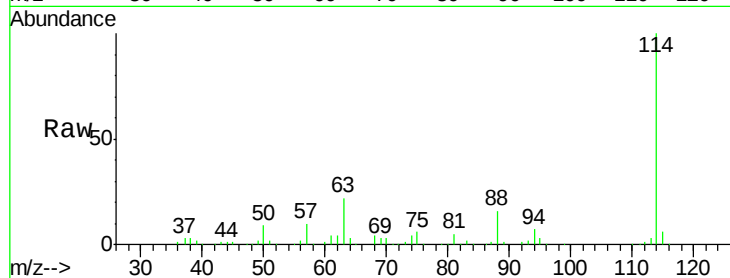
Tot Ion:114 Resp: 534874

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 16.4 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

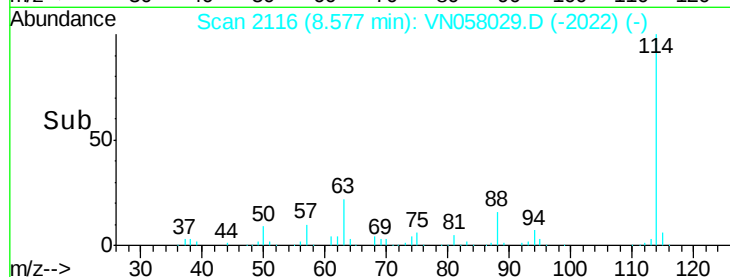
300000

200000

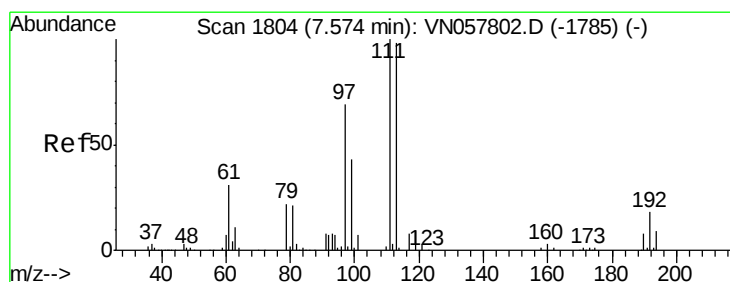
100000

0

8.50 8.58 8.60 8.70



Time-->



#35

Dibromofluoromethane

Concen: 47.624 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058029.D

Acq: 13 Sep 2019 20:07

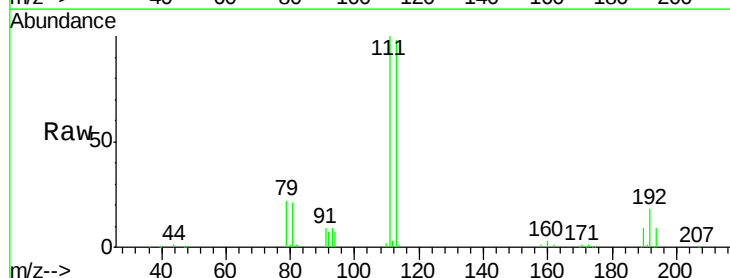
Tgt Ion:113 Resp: 235104

Ion Ratio Lower Upper

113 100

111 101.5 81.3 121.9

192 18.0 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

120000

100000

80000

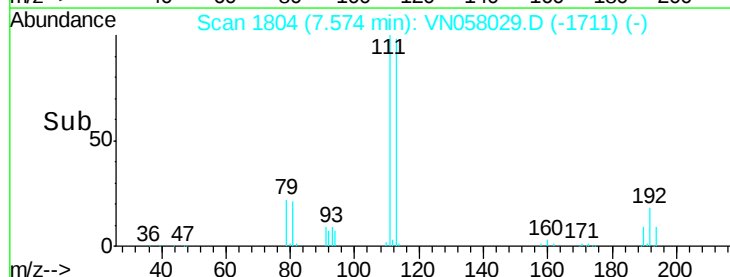
60000

40000

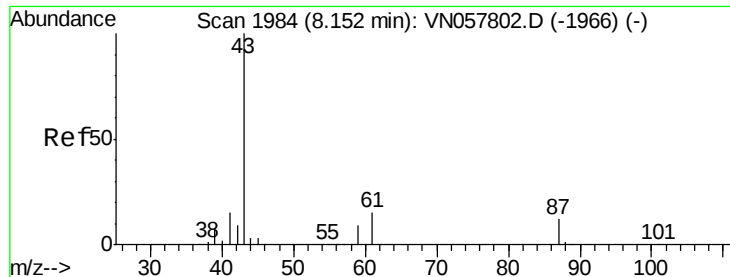
20000

0

7.50 7.57 7.60 7.70



Time-->



#43

Isopropyl Acetate

Concen: 9.131 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058029.D

Acq: 13 Sep 2019 20:07

Instrument :

MSVOA\_N

ClientSampleId :

T3-3-(1.5)

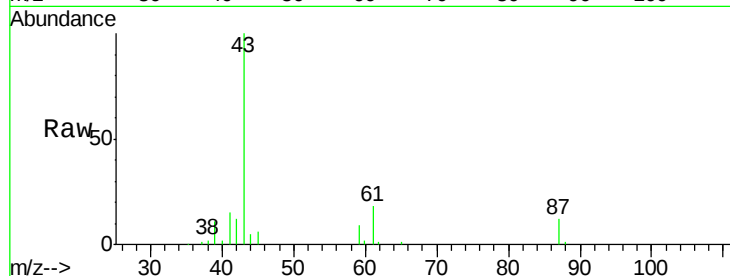
Tot Ion: 43 Resp: 98414

Ion Ratio Lower Upper

43 100

61 16.7 20.1 30.1#

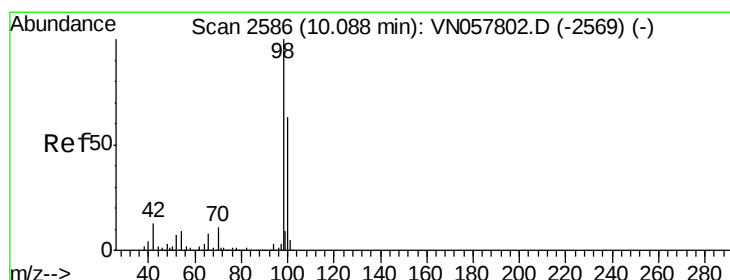
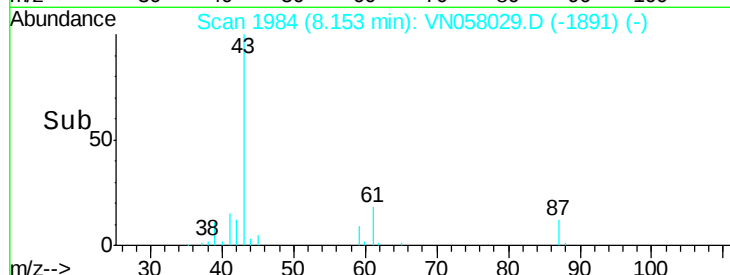
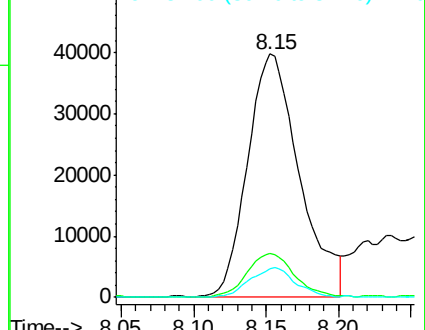
87 10.7 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 46.888 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058029.D

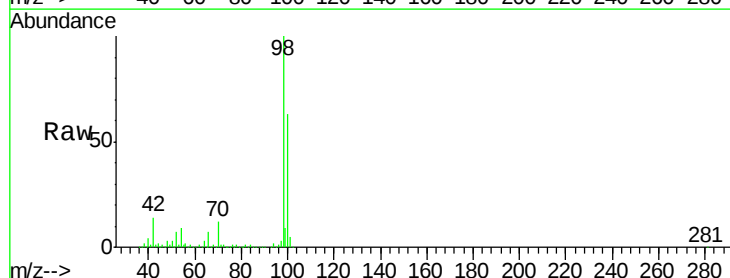
Acq: 13 Sep 2019 20:07

Tgt Ion: 98 Resp: 898686

Ion Ratio Lower Upper

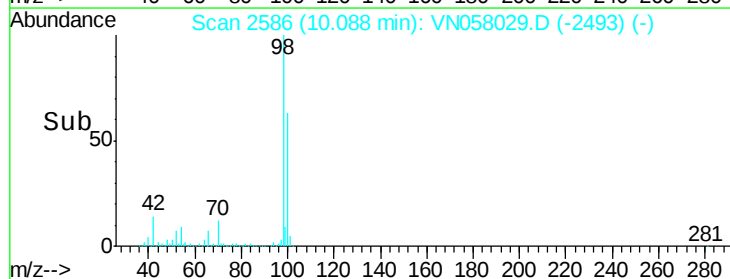
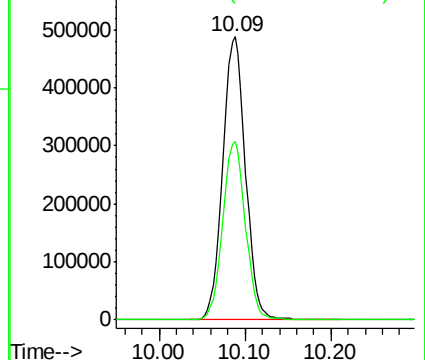
98 100

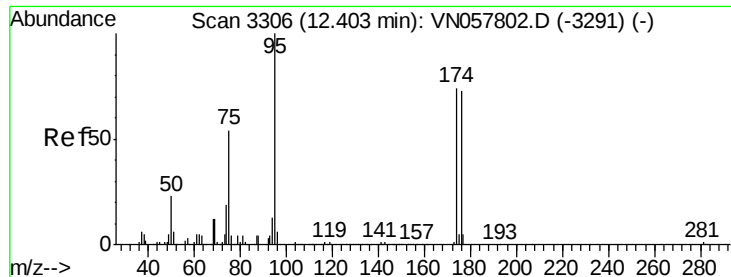
100 62.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

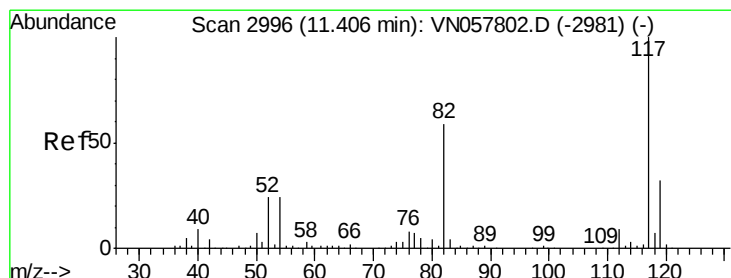
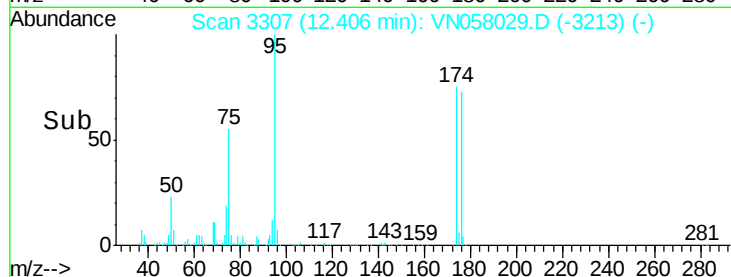
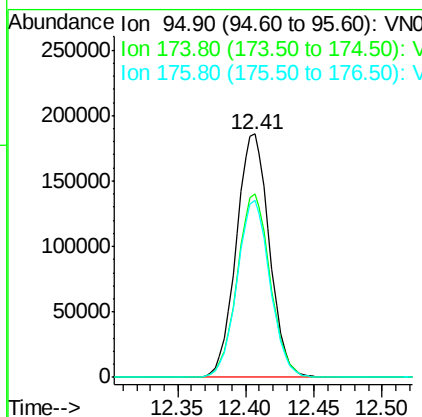
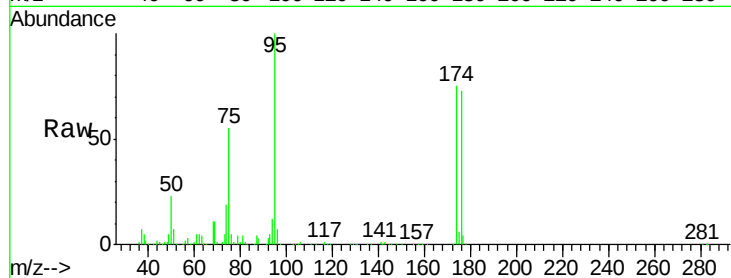




#62  
4-Bromofluorobenzene  
Concen: 42.925 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.00 min  
Lab File: VN058029.D  
Acq: 13 Sep 2019 20:07

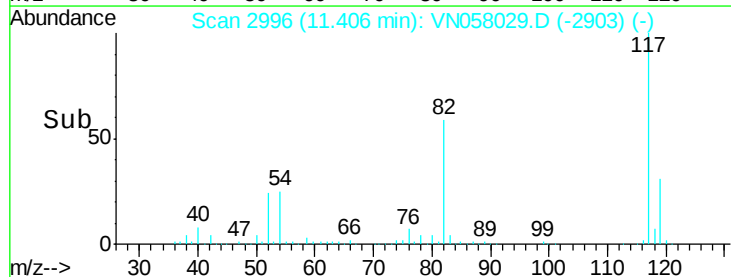
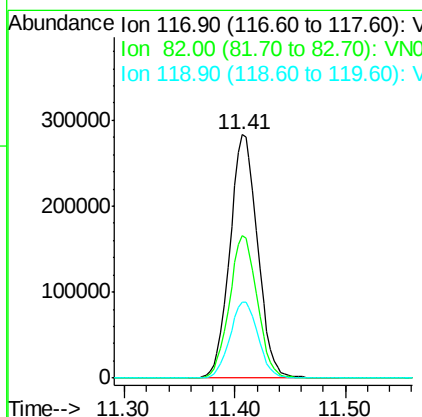
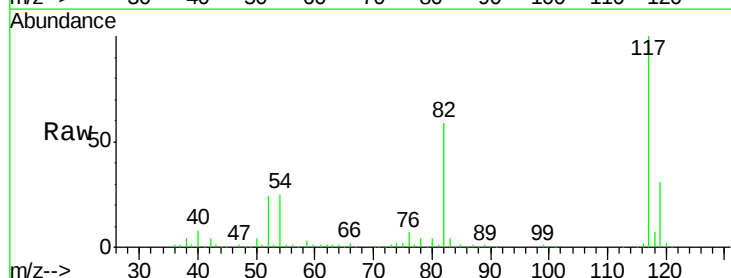
Instrument :  
MSVOA\_N  
ClientSampled :  
T3-3-(1.5)

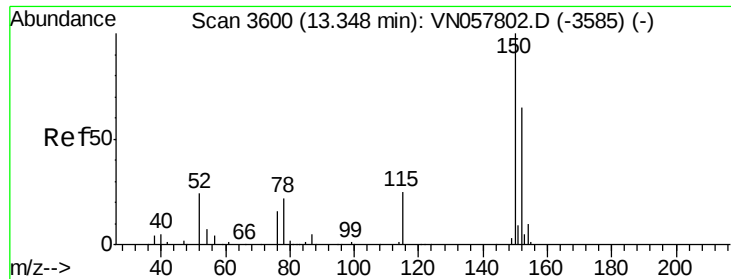
| Tot Ion   | 95    | Resp  | 313534 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 74.9  | 0.0   | 150.2  |
| 176       | 72.1  | 0.0   | 146.0  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058029.D  
Acq: 13 Sep 2019 20:07

| Tgt Ion   | 117   | Resp  | 492708 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 58.7  | 47.2  | 70.8   |
| 119       | 31.1  | 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: VN058029.D

Acq: 13 Sep 2019 20:07

Instrument :

MSVOA\_N

ClientSampleId :

T3-3-(1.5)

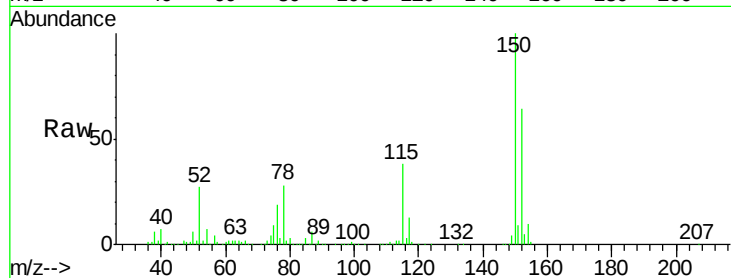
Tot Ion:152 Resp: 252453

Ion Ratio Lower Upper

152 100

115 60.1 30.3 91.0

150 158.1 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

