

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022620\  
 Data File : VN060250.D  
 Acq On : 26 Feb 2020 14:49  
 Operator : JC/MD  
 Sample : PB127076TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB127076TB

Quant Time: Feb 27 05:21:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

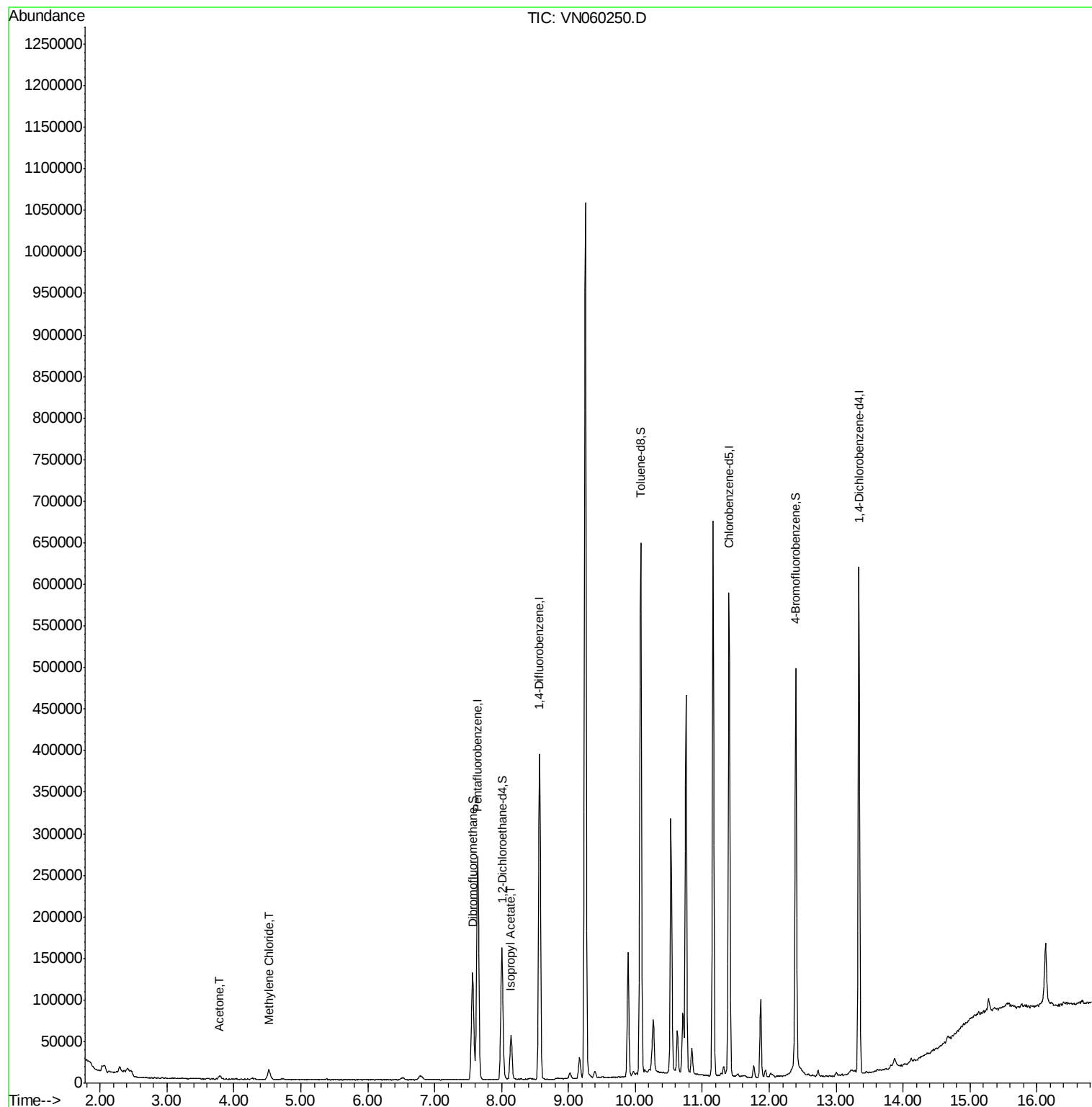
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 220716   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 349880   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 327830   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 158145   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 136763   | 50.92  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.84% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 97848    | 45.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.00%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 431203   | 50.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.82% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 162041   | 52.07  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.14% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.79  | 43   | 6439     | 5.496  | ug/l    | 92       |
| 20) Methylene Chloride      | 4.52  | 84   | 8117     | 3.473  | ug/l    | 95       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 63846    | 12.752 | ug/l #  | 89       |

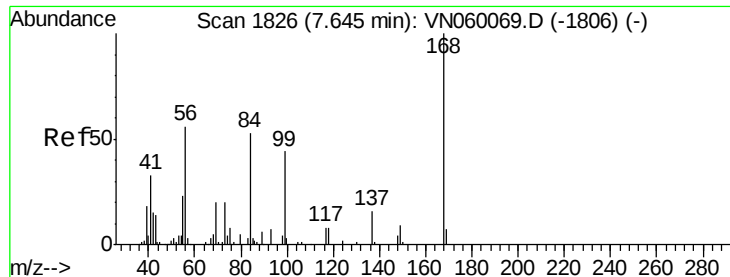
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060250.D

Acq: 26 Feb 2020 14:49

Instrument :

MSVOA\_N

ClientSampleId :

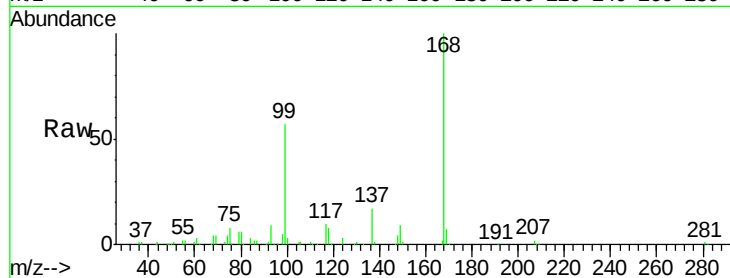
PB127076TB

Tot Ion:168 Resp: 220716

Ion Ratio Lower Upper

168 100

99 56.9 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

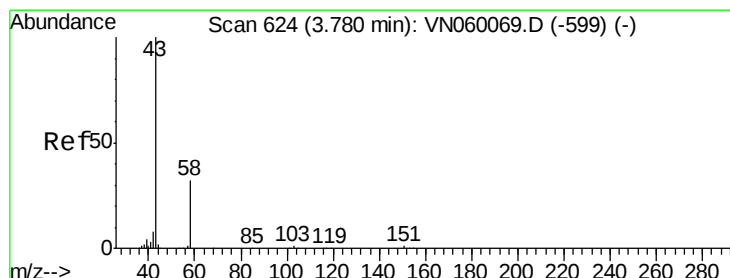
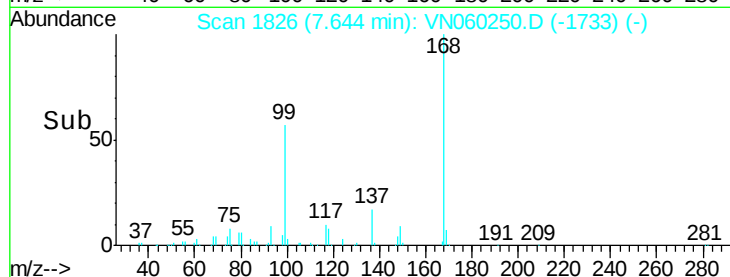
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 5.496 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060250.D

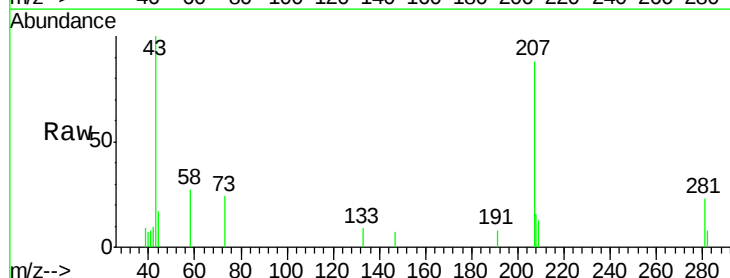
Acq: 26 Feb 2020 14:49

Tgt Ion: 43 Resp: 6439

Ion Ratio Lower Upper

43 100

58 26.9 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.79

2500

2000

1500

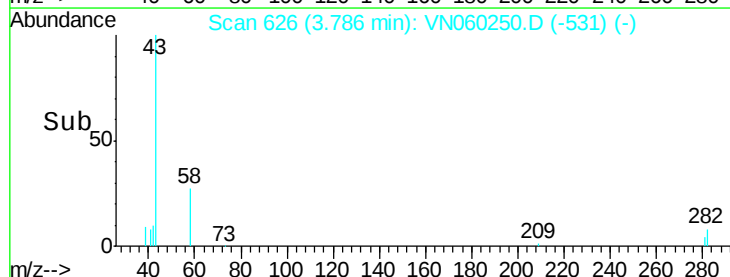
1000

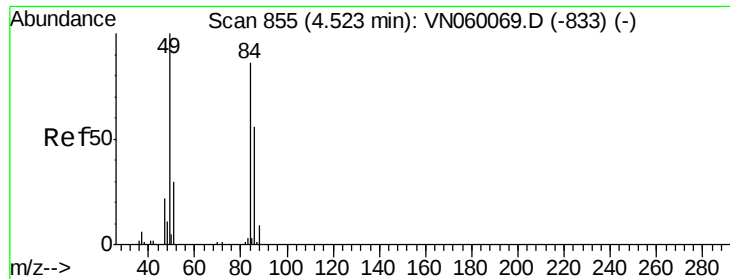
500

0

3.70 3.75 3.80 3.85

Time-->





#20

Methylene Chloride

Concen: 3.473 ug/l

RT: 4.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: VN060250.D

Acq: 26 Feb 2020 14:49

Instrument :

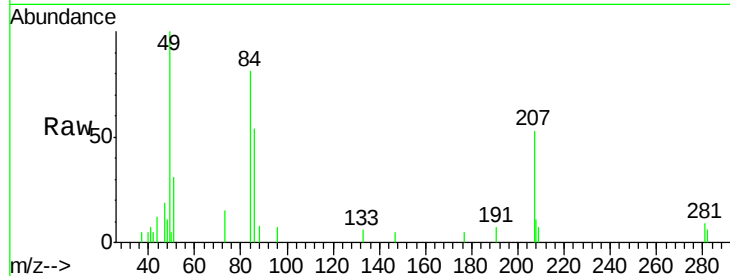
MSVOA\_N

ClientSampleId :

PB127076TB

Tot Ion: 84 Resp: 8117

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 123.4 | 93.4  | 140.0 |
| 51  | 38.6  | 28.4  | 42.6  |
| 86  | 67.0  | 52.5  | 78.7  |

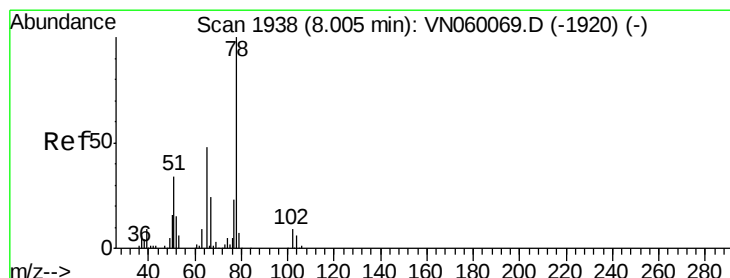
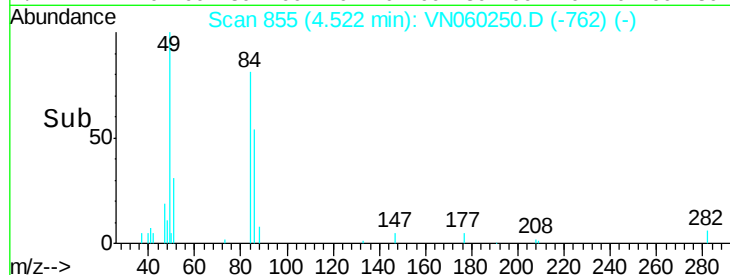


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.922 ug/l

RT: 8.00 min Scan# 1938

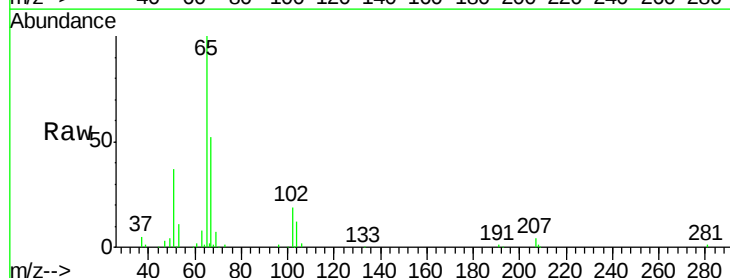
Delta R.T. -0.00 min

Lab File: VN060250.D

Acq: 26 Feb 2020 14:49

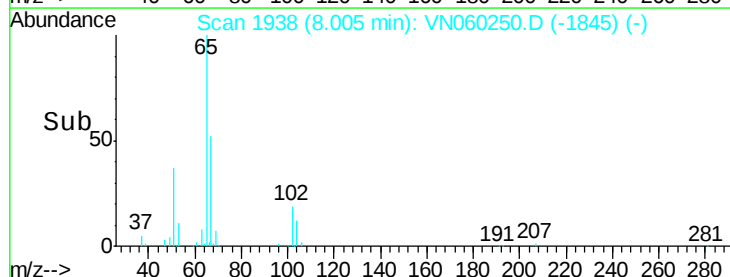
Tgt Ion: 65 Resp: 136763

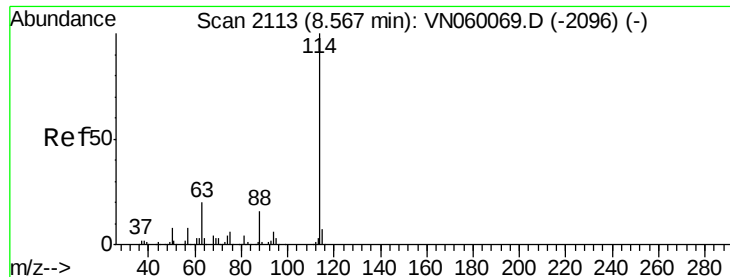
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.3  | 0.0   | 104.0 |



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060250.D

Acq: 26 Feb 2020 14:49

Instrument :

MSVOA\_N

ClientSampleId :

PB127076TB

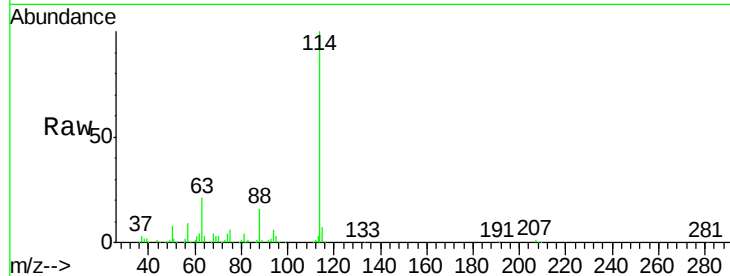
Tot Ion:114 Resp: 349880

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

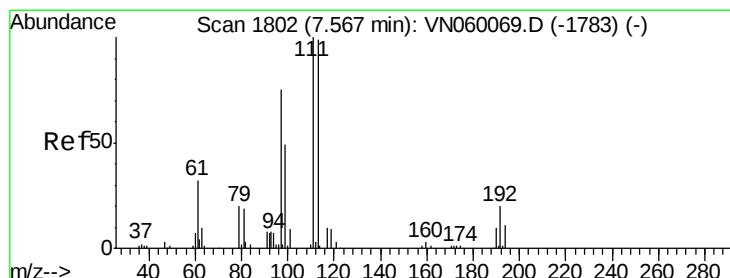
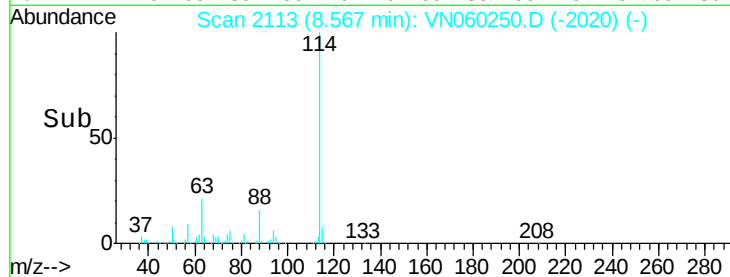
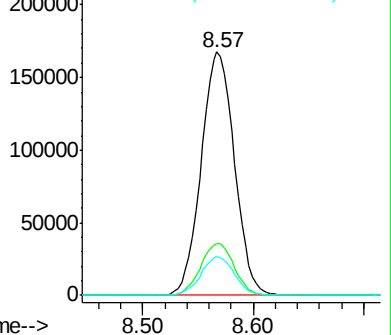
88 16.0 0.0 31.6



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: 45.496 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060250.D

Acq: 26 Feb 2020 14:49

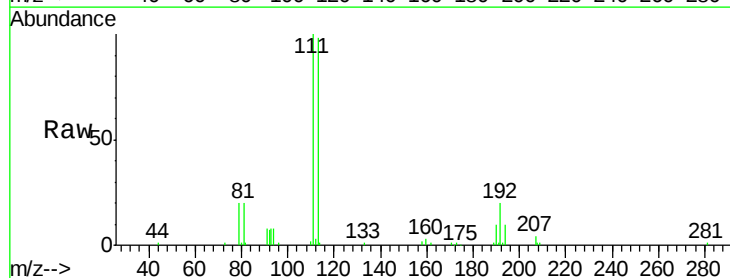
Tgt Ion:113 Resp: 97848

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.2

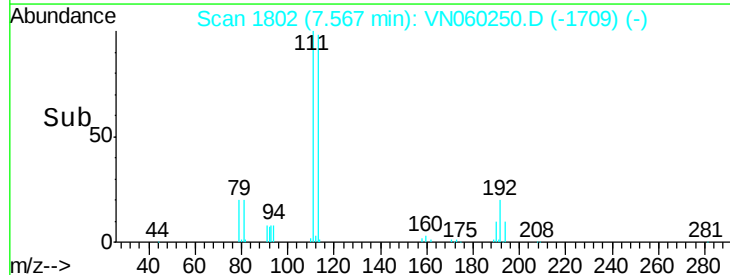
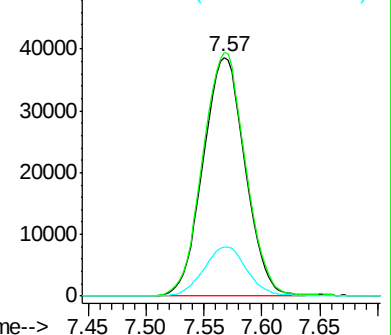
192 21.1 16.2 24.2

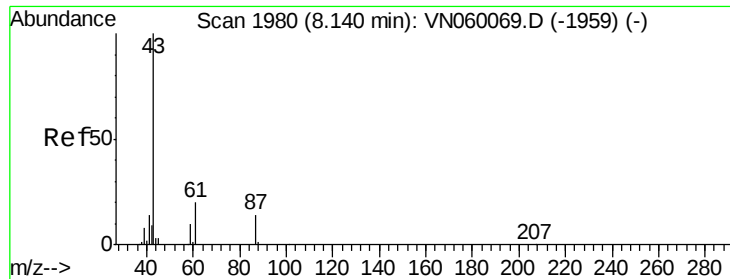


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 12.752 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060250.D

Acq: 26 Feb 2020 14:49

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PB127076TB

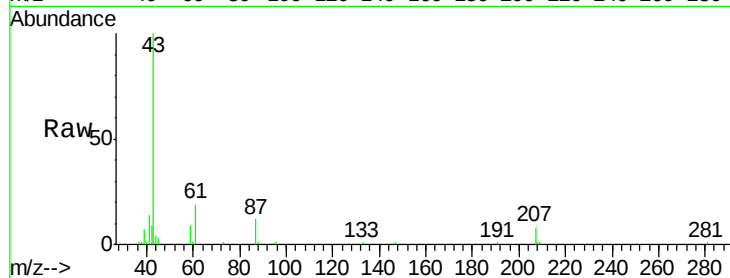
Tot Ion: 43 Resp: 63846

Ion Ratio Lower Upper

43 100

61 19.5 21.8 32.6#

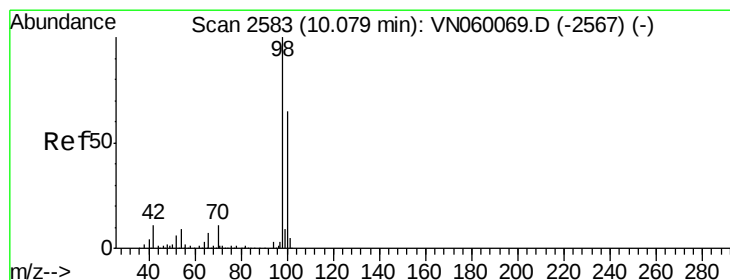
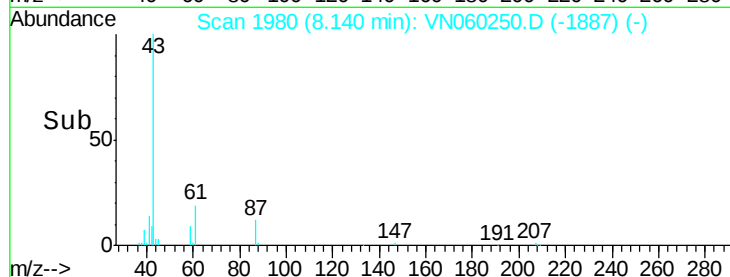
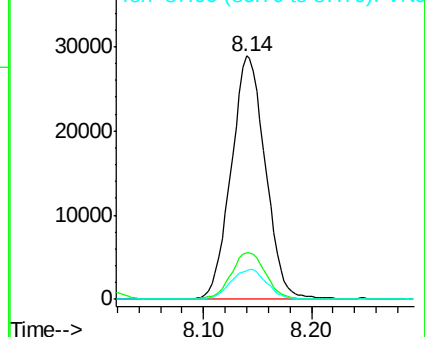
87 12.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#50

Toluene-d8

Concen: 50.913 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060250.D

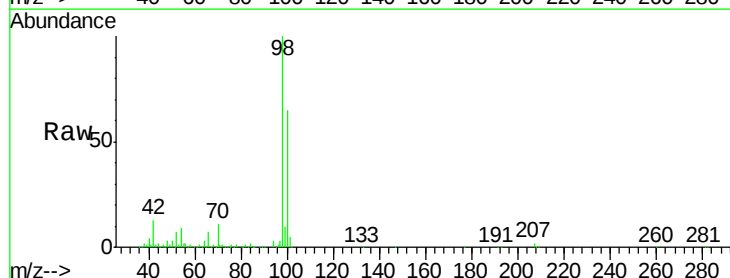
Acq: 26 Feb 2020 14:49

Tgt Ion: 98 Resp: 431203

Ion Ratio Lower Upper

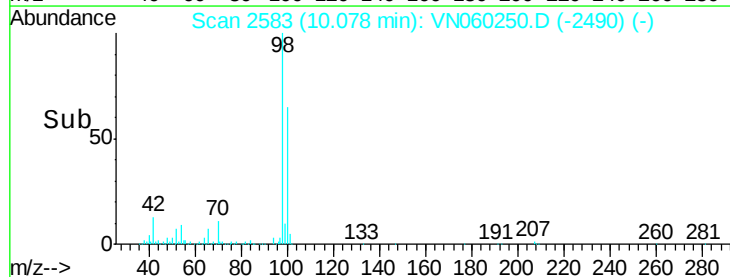
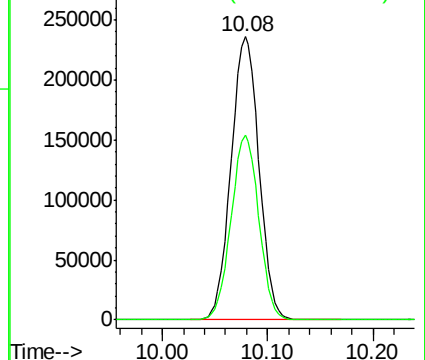
98 100

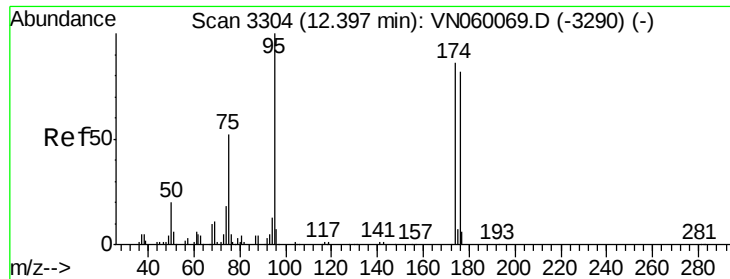
100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN060069.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060069.D (-2567) (-)

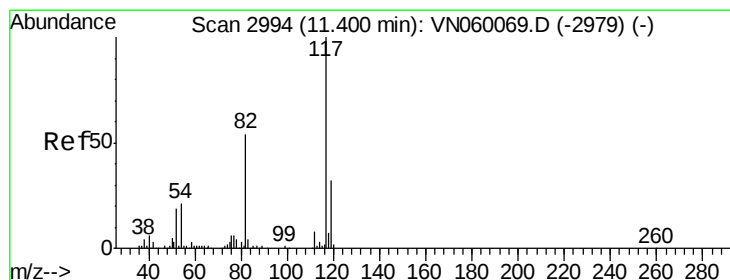
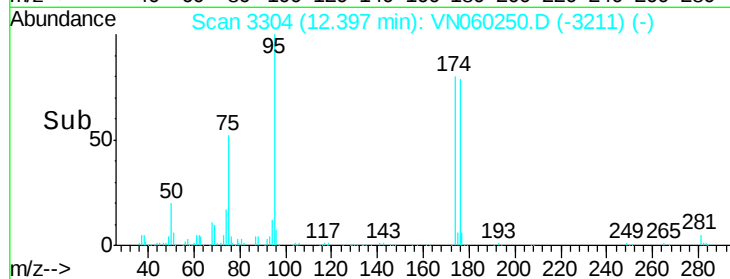
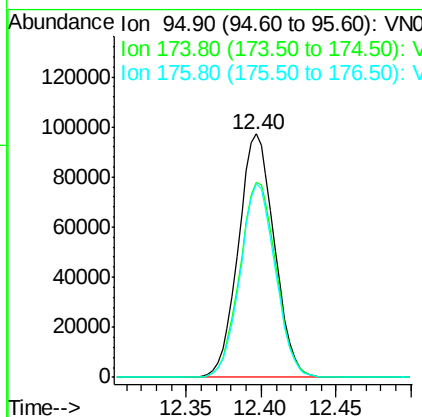
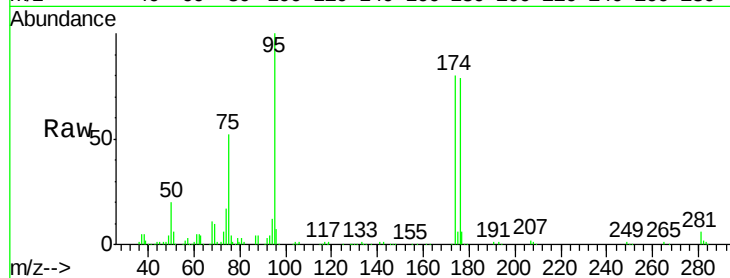




#62  
4-Bromofluorobenzene  
Concen: 52.068 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. -0.00 min  
Lab File: VN060250.D  
Acq: 26 Feb 2020 14:49

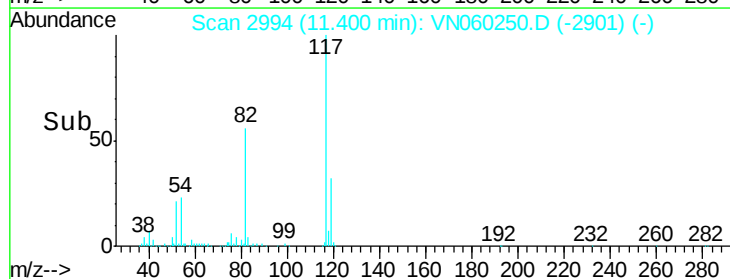
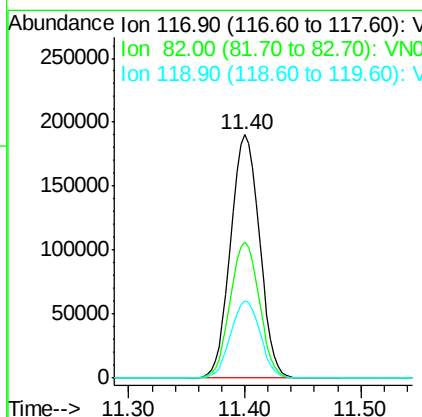
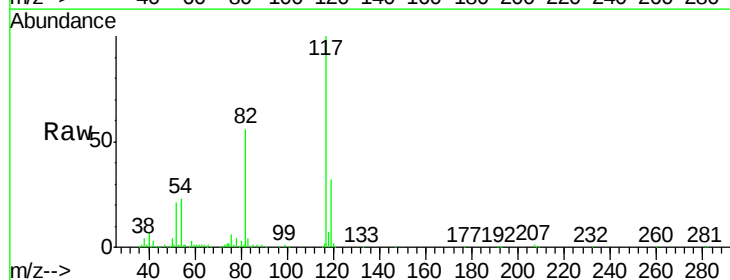
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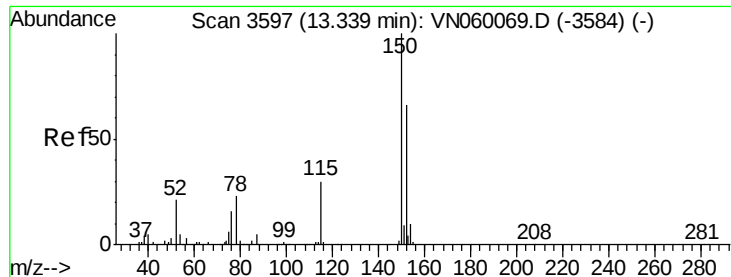
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 81.2  | 0.0   | 169.8 |
| 176     | 78.4  | 0.0   | 164.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060250.D  
Acq: 26 Feb 2020 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.8  | 43.4  | 65.0  |
| 119     | 31.8  | 25.8  | 38.6  |





#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. -0.00 min  
Lab File: VN060250.D  
Acq: 26 Feb 2020 14:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB127076TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.3  | 28.9  | 86.8  |
| 150     | 157.9 | 0.0   | 342.4 |

