

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\  
 Data File : VN058918.D  
 Acq On : 23 Oct 2019 11:00  
 Operator : JC/SP  
 Sample : K5494-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FB-102119

Quant Time: Oct 24 01:27:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 19 00:16:20 2019  
 Response via : Initial Calibration

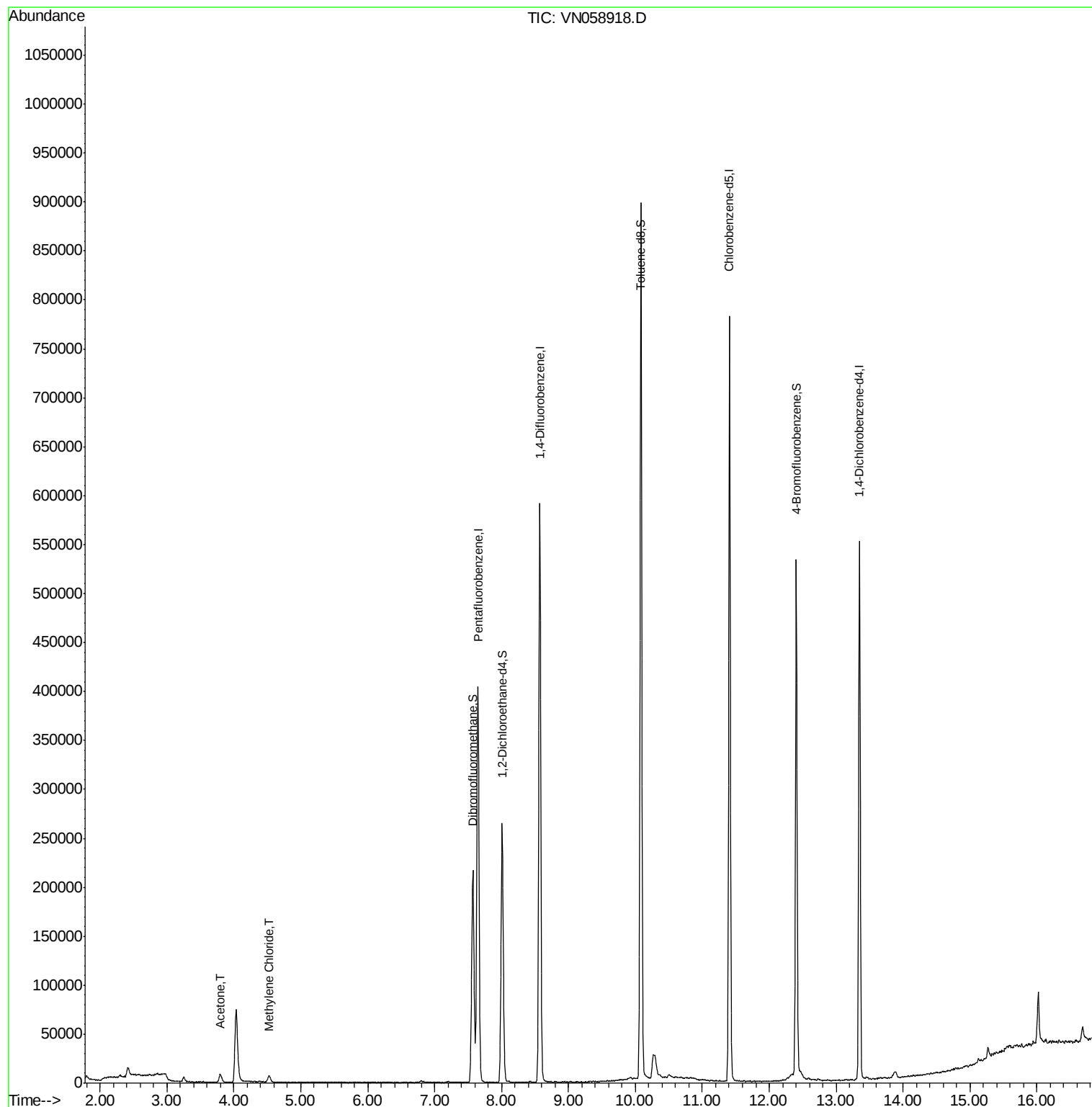
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 313392   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 499020   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 428025   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 140589   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 233191   | 50.73 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.46% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 164556   | 50.16 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.32% |          |
| 50) Toluene-d8              | 10.08 | 98   | 616848   | 48.43 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.86%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 180829   | 38.66 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 77.32%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.80  | 43   | 15122    | 6.658 | ug/l    | 94       |
| 20) Methylene Chloride      | 4.53  | 84   | 5105     | 1.316 | ug/l    | 94       |

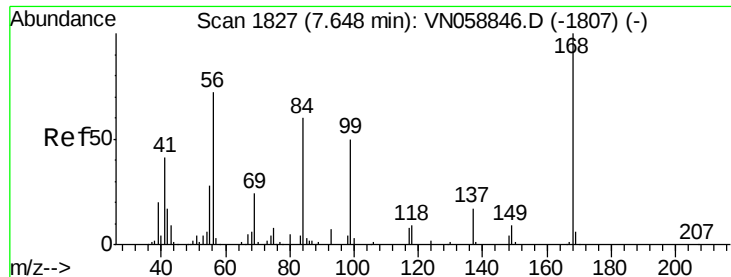
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102419\  
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QLast Update : Sat Oct 19 00:16:20 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

Instrument :

MSVOA\_N

ClientSampled :

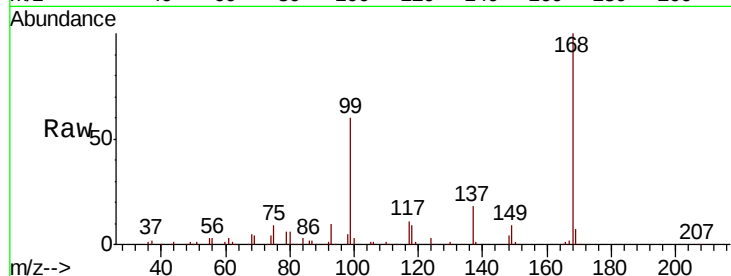
FB-102119

Tot Ion:168 Resp: 313392

Ion Ratio Lower Upper

168 100

99 60.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

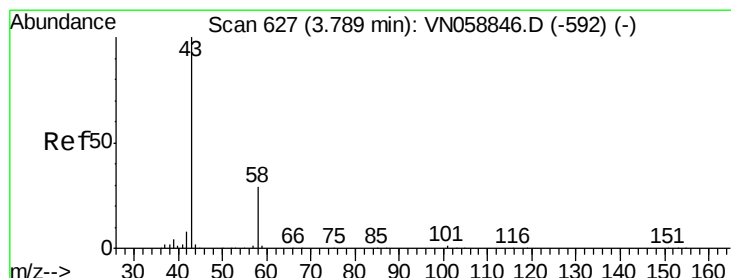
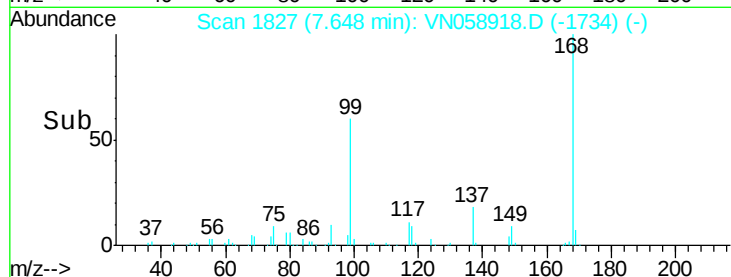
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 6.658 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN058918.D

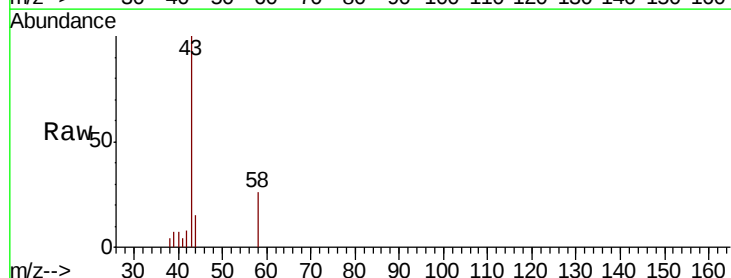
Acq: 23 Oct 2019 11:00

Tgt Ion: 43 Resp: 15122

Ion Ratio Lower Upper

43 100

58 25.9 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

6000

5000

4000

3000

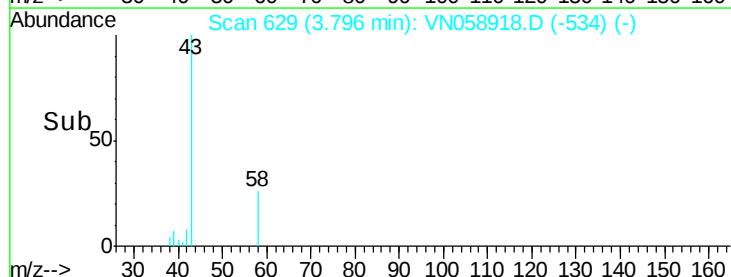
2000

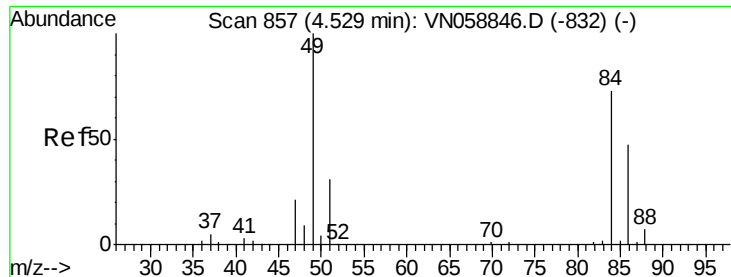
1000

0

3.70 3.75 3.80 3.85 3.90

Time-->

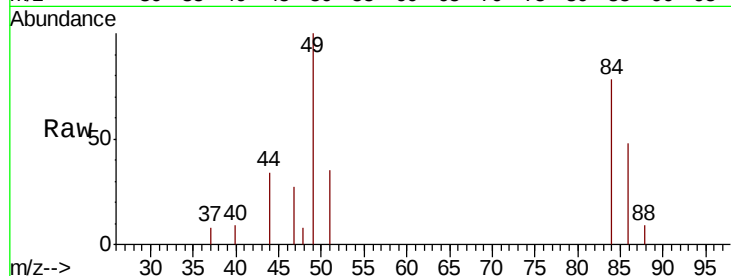




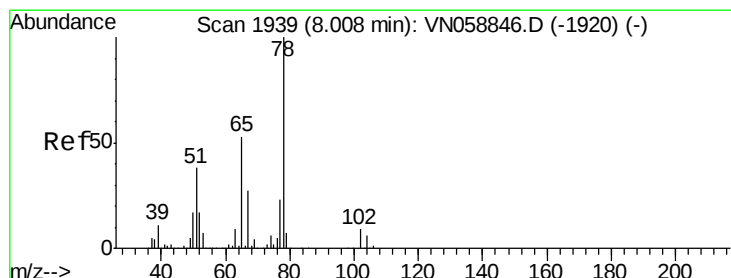
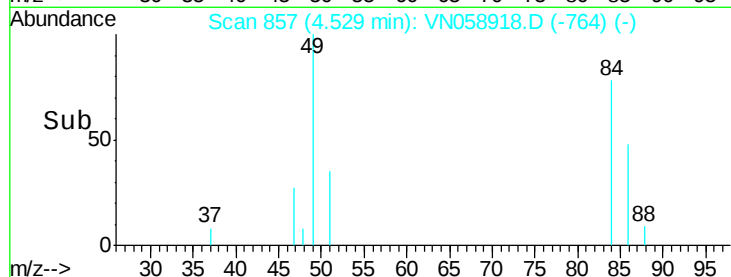
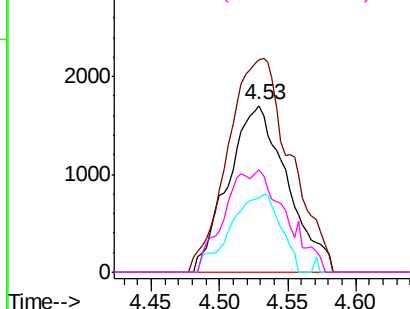
#20  
Methylene Chloride  
Concen: 1.316 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: VN058918.D  
Acq: 23 Oct 2019 11:00

Instrument :  
MSVOA\_N  
ClientSampled :  
FB-102119

Tot Ion: 84 Resp: 5105  
Ion Ratio Lower Upper  
84 100  
49 127.8 109.6 164.4  
51 44.3 33.8 50.6  
86 61.4 51.5 77.3

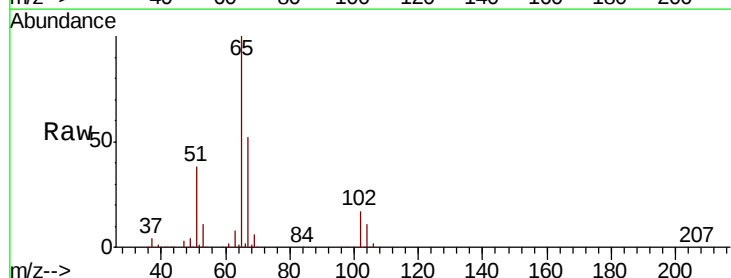


Abundance Ion 83.90 (83.60 to 84.60): VNC  
Ion 48.90 (48.60 to 49.60): VNC  
Ion 50.90 (50.60 to 51.60): VNC  
Ion 85.90 (85.60 to 86.60): VNC

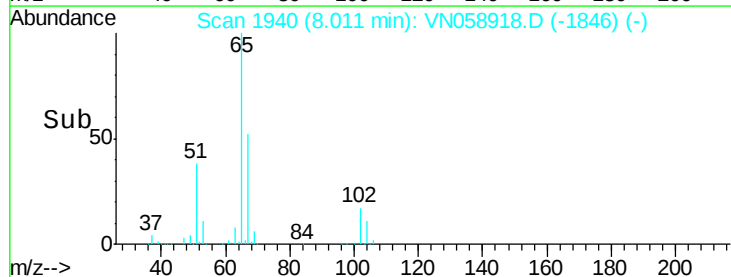
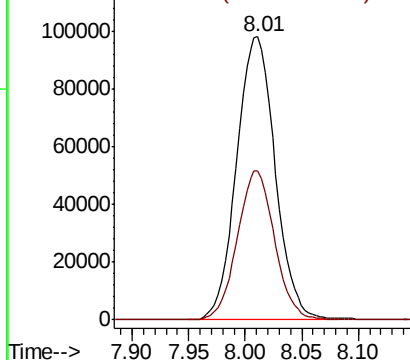


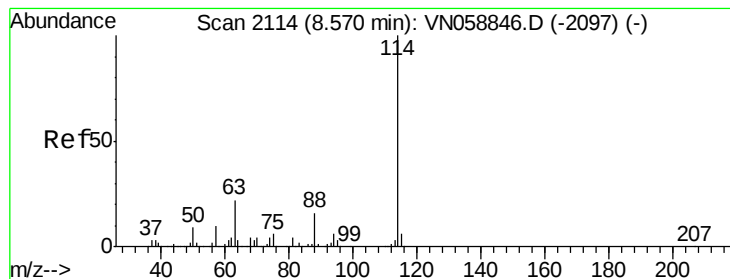
#33  
1,2-Dichloroethane-d4  
Concen: 50.734 ug/l  
RT: 8.01 min Scan# 1940  
Delta R.T. 0.00 min  
Lab File: VN058918.D  
Acq: 23 Oct 2019 11:00

Tgt Ion: 65 Resp: 233191  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VNC  
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

Instrument :

MSVOA\_N

ClientSampleId :

FB-102119

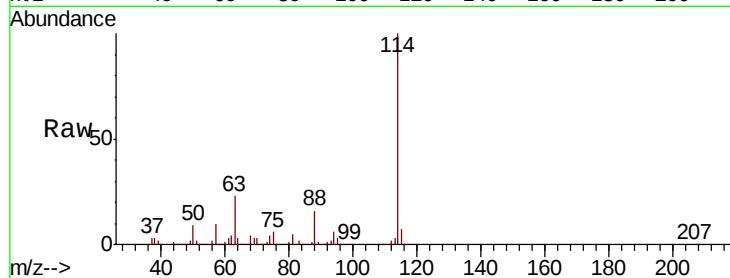
Tot Ion:114 Resp: 499020

Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.4

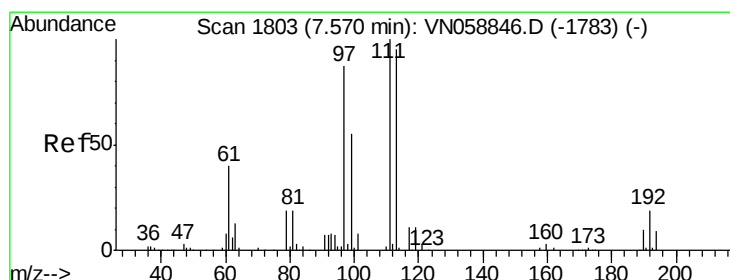
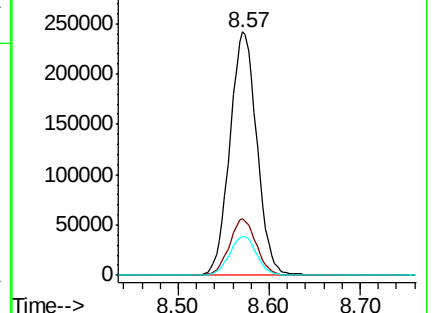
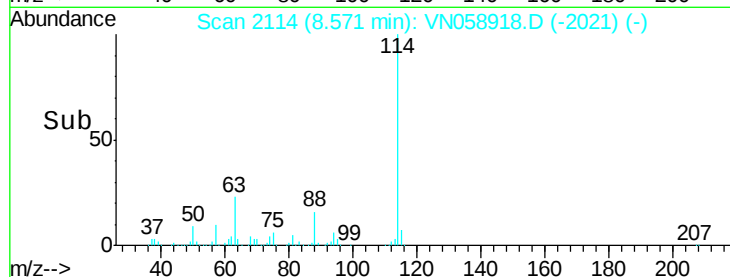
88 15.9 0.0 31.4



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: 50.155 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

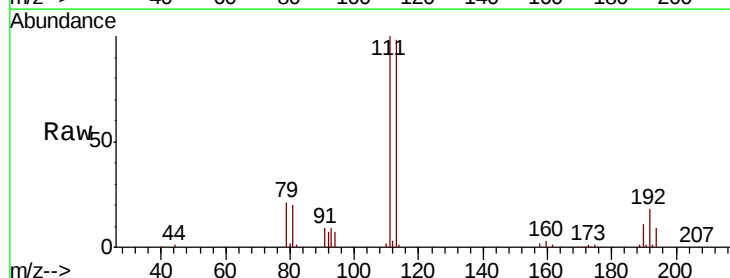
Tgt Ion:113 Resp: 164556

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

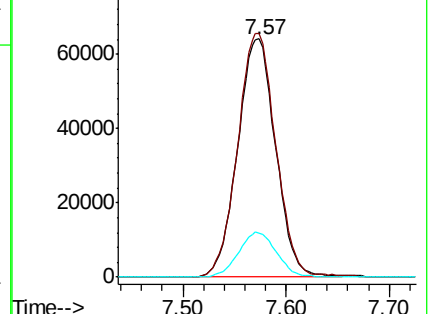
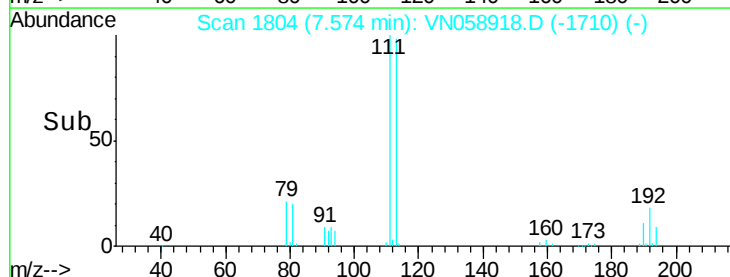
192 18.8 15.0 22.6

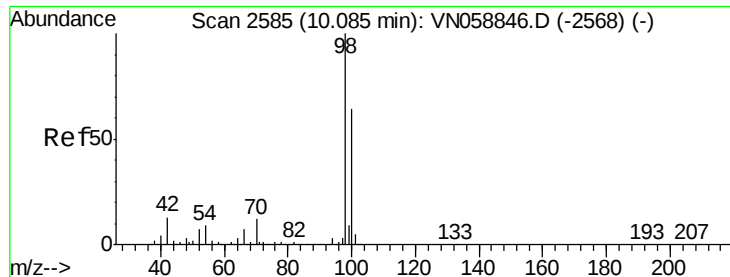


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.433 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

Instrument :

MSVOA\_N

ClientSampleId :

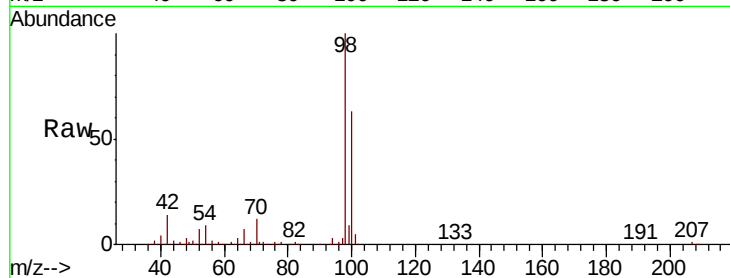
FB-102119

Tot Ion: 98 Resp: 616848

Ion Ratio Lower Upper

98 100

100 62.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN058846.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN058846.D (-2568) (-)

10.08

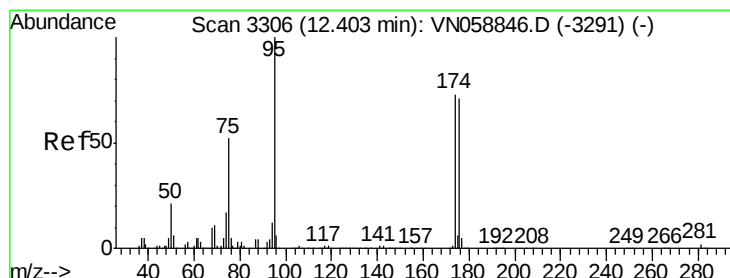
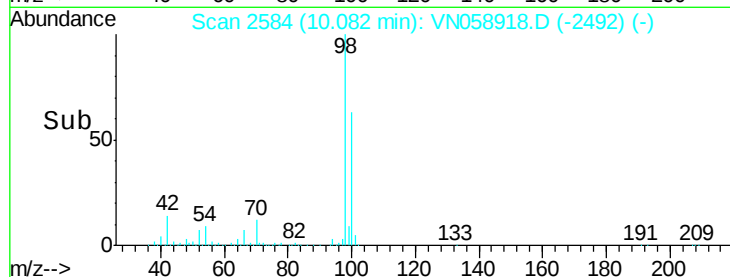
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 38.663 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

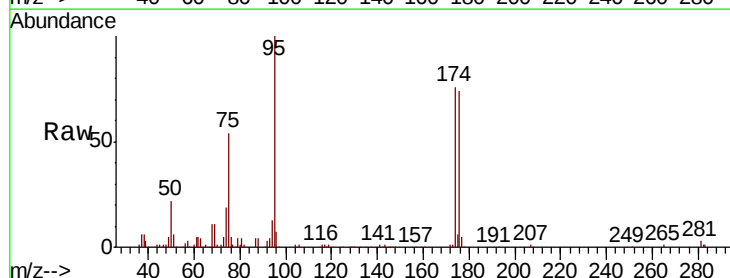
Tgt Ion: 95 Resp: 180829

Ion Ratio Lower Upper

95 100

174 75.1 0.0 147.6

176 73.9 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058846.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058846.D (-3291) (-)

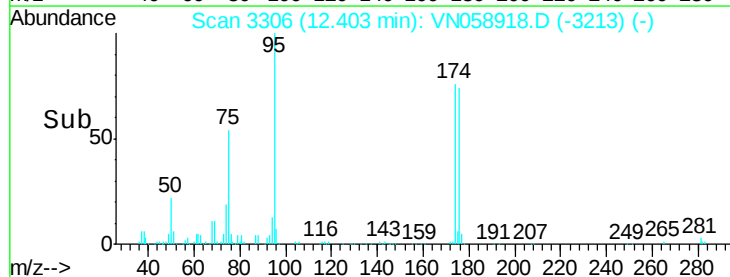
12.40

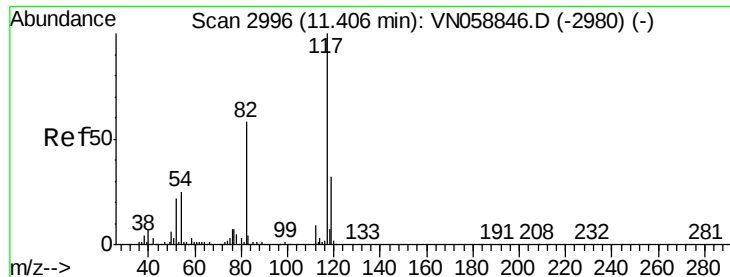
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

Instrument :

MSVOA\_N

ClientSampleId :

FB-102119

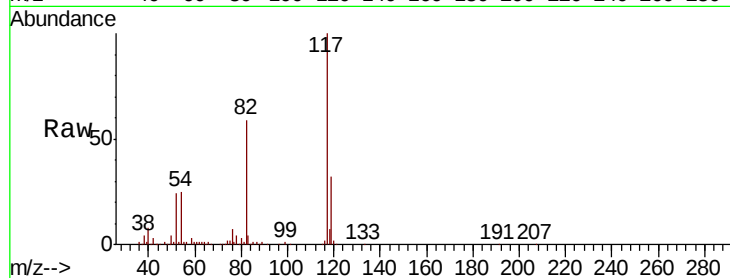
Tot Ion:117 Resp: 428025

Ion Ratio Lower Upper

117 100

82 58.5 46.6 69.8

119 31.9 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V

300000

200000

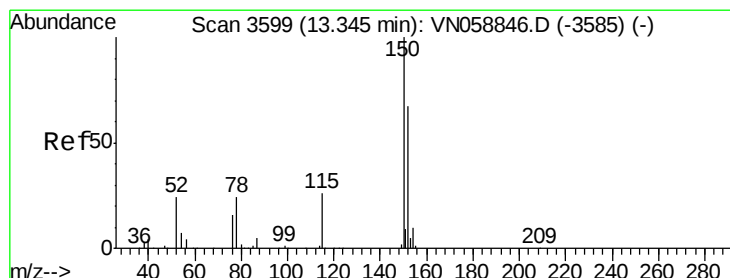
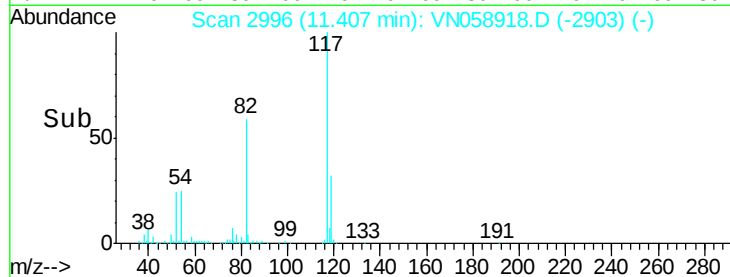
100000

0

11.41

11.30 11.40 11.50

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

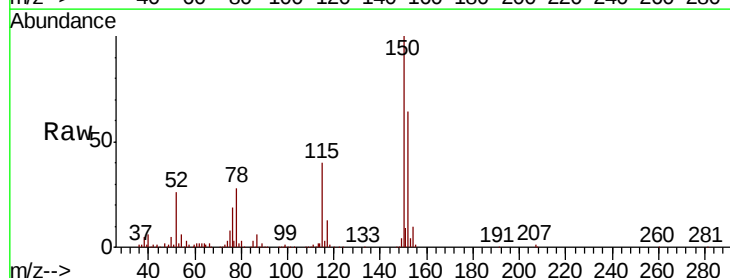
Tgt Ion:152 Resp: 140589

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

150 157.3 0.0 344.4



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

150000

100000

50000

0

13.35

13.30 13.35 13.40

Time-->

