

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\  
 Data File : VN056353.D  
 Acq On : 18 Jun 2019 10:10  
 Operator : JC/SP  
 Sample : PB120699TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB120699TB

Quant Time: Jun 19 02:17:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061719W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 18 04:23:59 2019  
 Response via : Initial Calibration

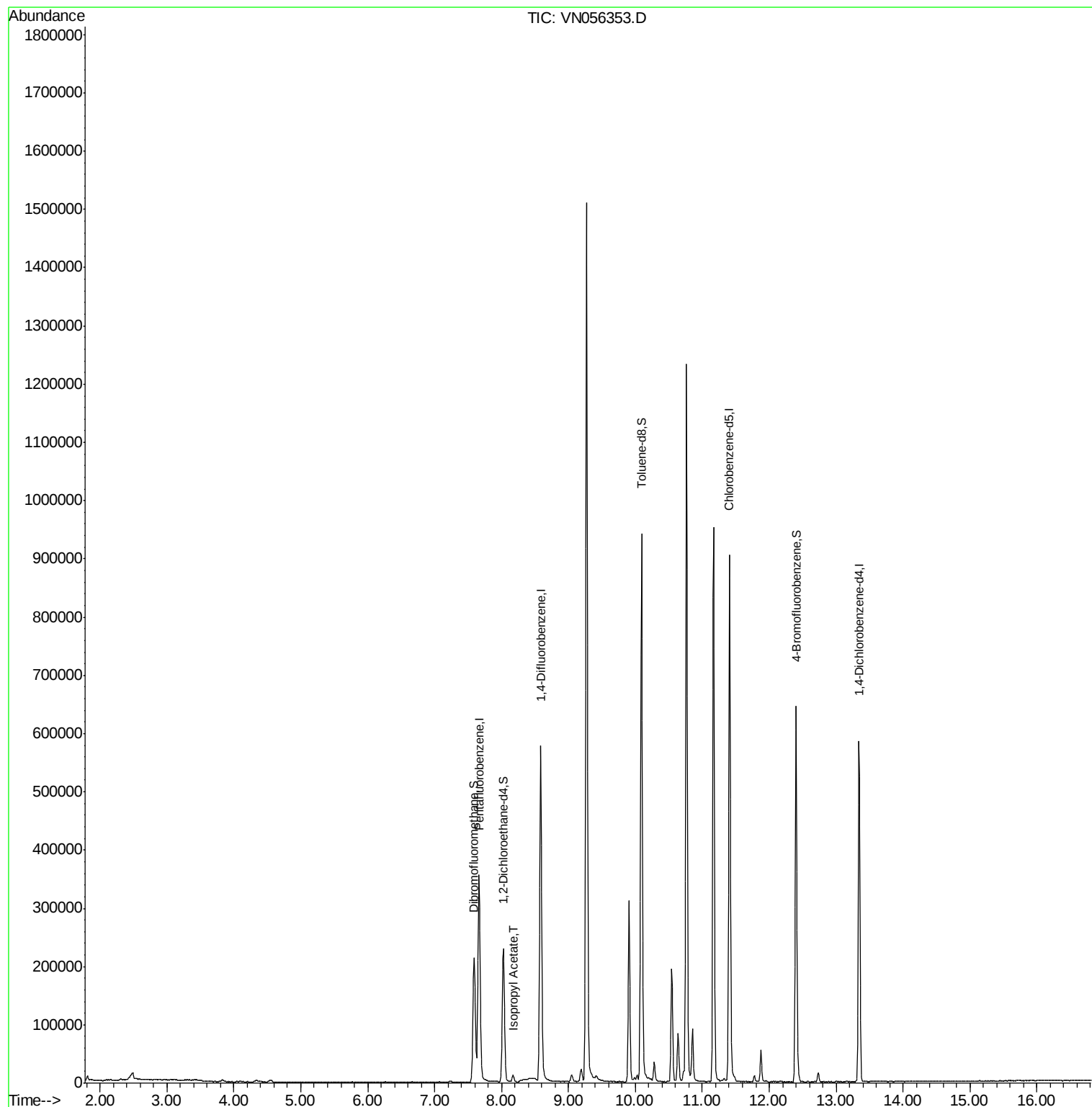
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 323325   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 556520   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 566665   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 175872   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 193840   | 53.32 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.64% |           |
| 35) Dibromofluoromethane    | 7.59  | 113  | 165223   | 46.30 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.60%  |           |
| 50) Toluene-d8              | 10.09 | 98   | 694427   | 50.93 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.86% |           |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 230909   | 51.11 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.22% |           |
| Target Compounds            |       |      |          |       |         |           |
| 43) Isopropyl Acetate       | 8.17  | 43   | 13430    | 1.769 | ug/l    | Qvalue 97 |

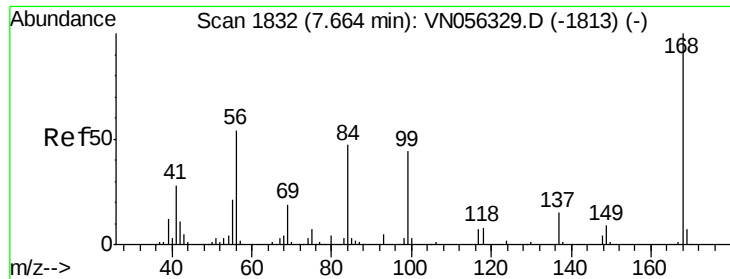
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jun 18 04:23:59 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: VN056353.D

Acq: 18 Jun 2019 10:10

Instrument :

MSVOA\_N

ClientSampleId :

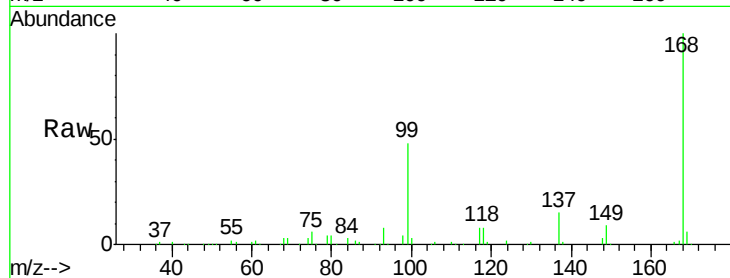
PB120699TB

Tot Ion:168 Resp: 323325

Ion Ratio Lower Upper

168 100

99 47.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

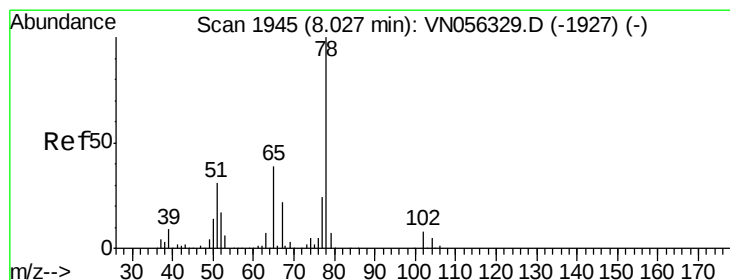
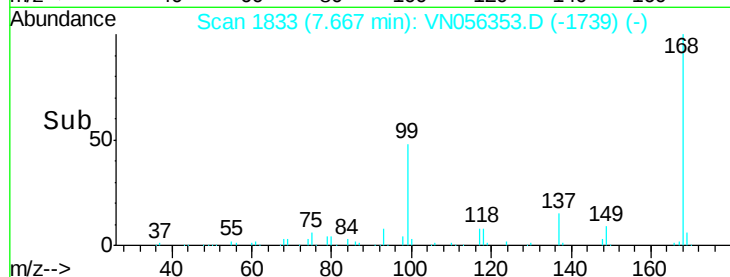
100000

50000

0

Time-->

7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 53.319 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056353.D

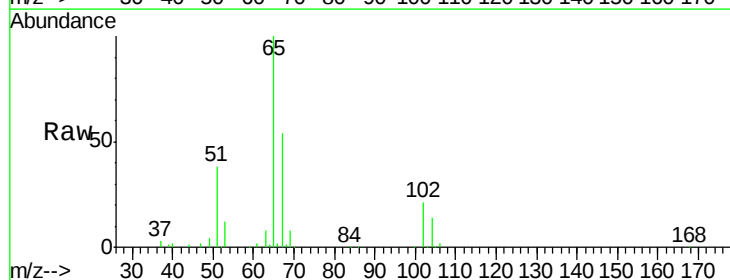
Acq: 18 Jun 2019 10:10

Tgt Ion: 65 Resp: 193840

Ion Ratio Lower Upper

65 100

67 54.1 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

100000

80000

60000

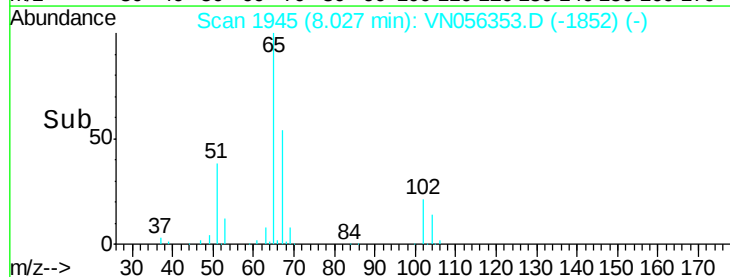
40000

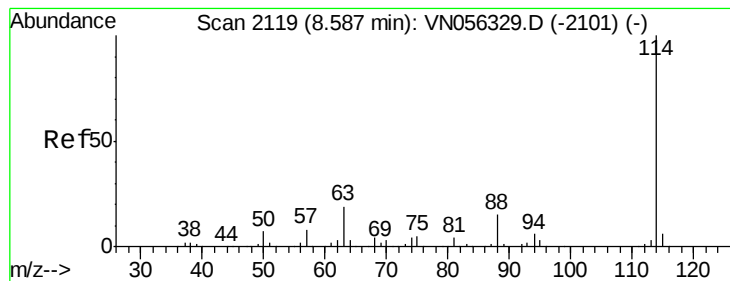
20000

0

Time-->

8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056353.D

Acq: 18 Jun 2019 10:10

Instrument :

MSVOA\_N

ClientSampleId :

PB120699TB

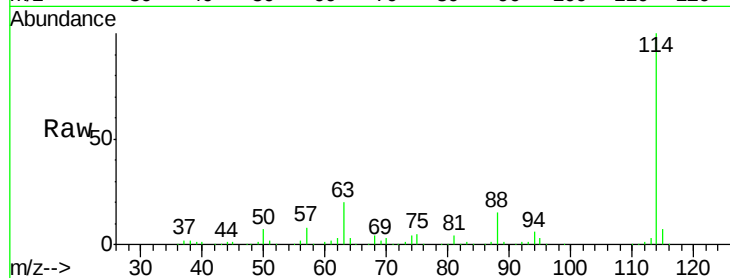
Tot Ion:114 Resp: 556520

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.8

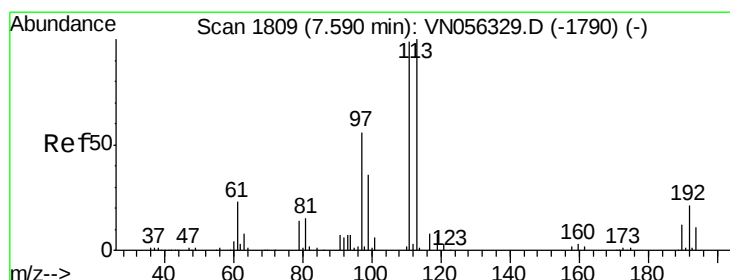
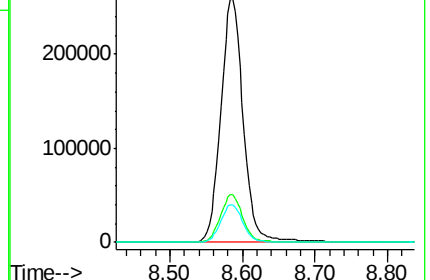
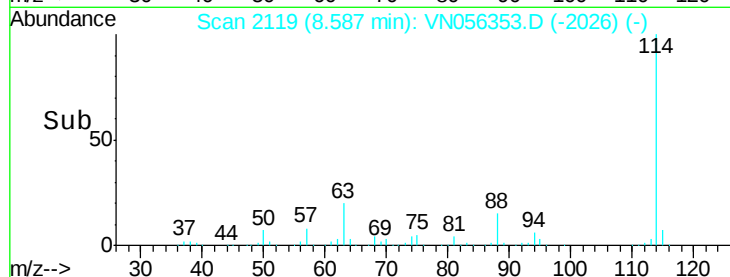
88 15.5 0.0 30.6



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: 46.296 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056353.D

Acq: 18 Jun 2019 10:10

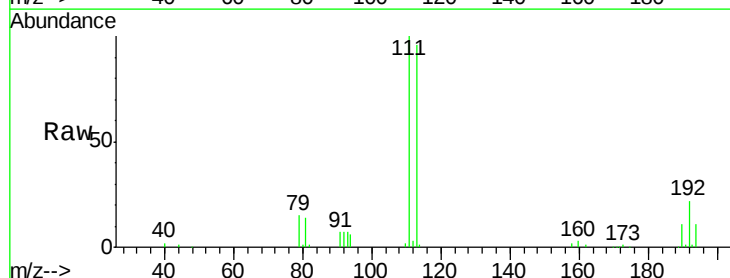
Tgt Ion:113 Resp: 165223

Ion Ratio Lower Upper

113 100

111 103.3 82.1 123.1

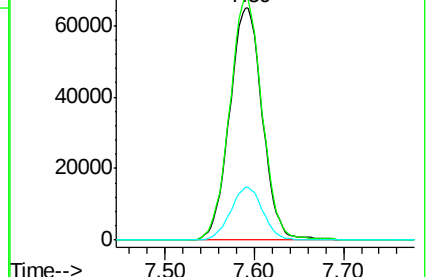
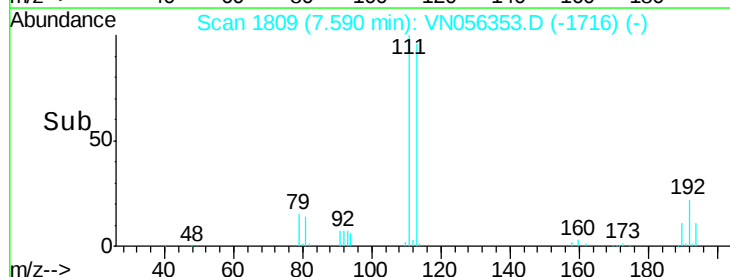
192 22.4 17.6 26.4

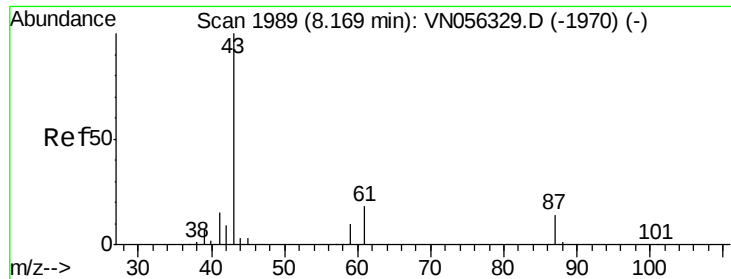


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.769 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN056353.D

Acq: 18 Jun 2019 10:10

Instrument :

MSVOA\_N

ClientSampleId :

PB120699TB

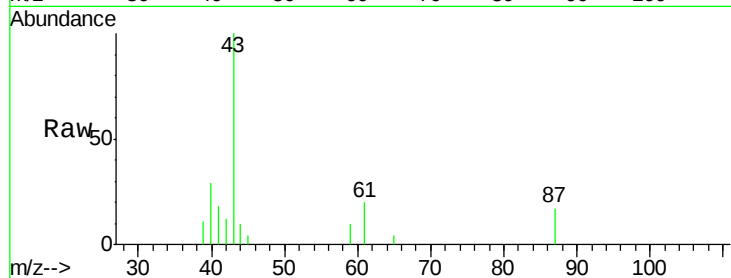
Tot Ion: 43 Resp: 13430

Ion Ratio Lower Upper

43 100

61 18.8 16.6 25.0

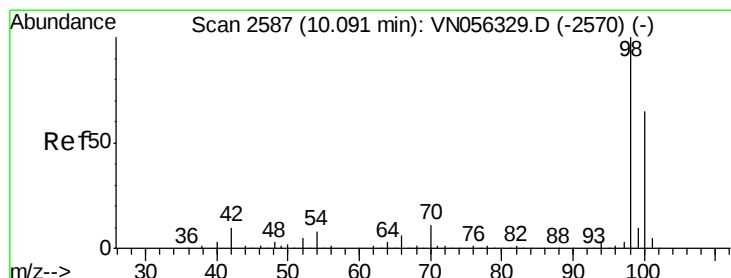
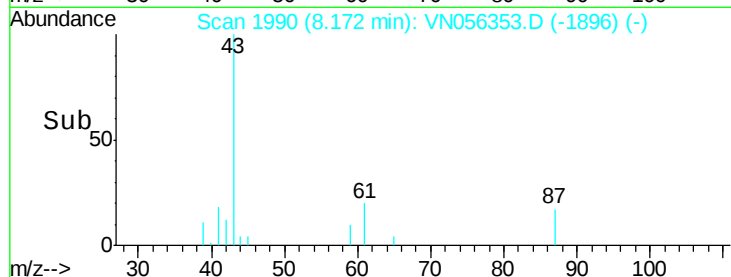
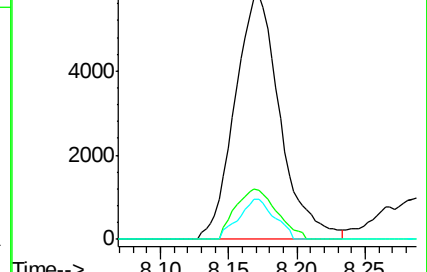
87 12.9 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056329.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056329.D (-1970) (-)



#50

Toluene-d8

Concen: 50.934 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056353.D

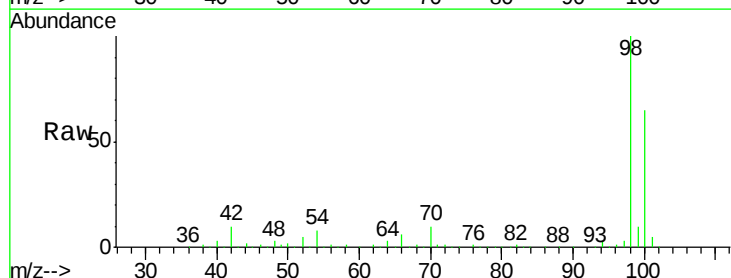
Acq: 18 Jun 2019 10:10

Tgt Ion: 98 Resp: 694427

Ion Ratio Lower Upper

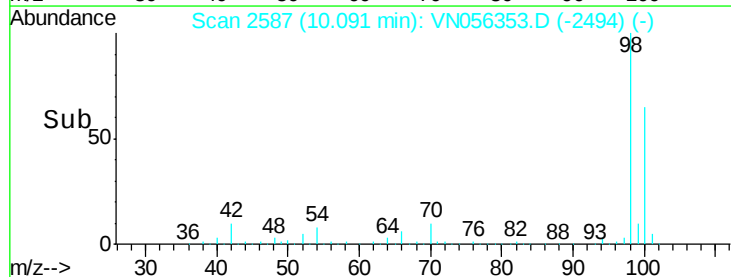
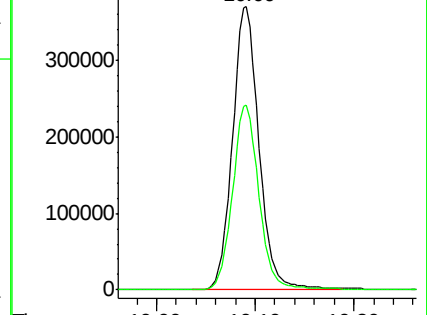
98 100

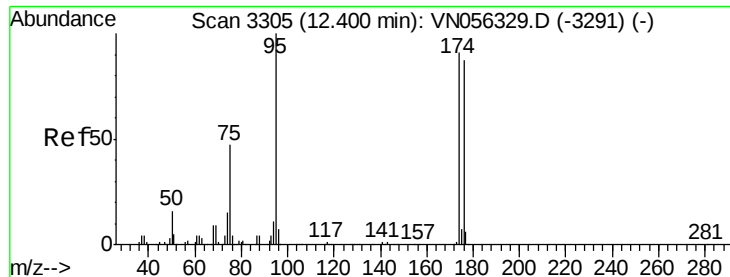
100 65.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN056329.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056329.D (-2570) (-)





#62

4-Bromofluorobenzene

Concen: 51.110 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056353.D

Acq: 18 Jun 2019 10:10

Instrument :

MSVOA\_N

ClientSampled :

PB120699TB

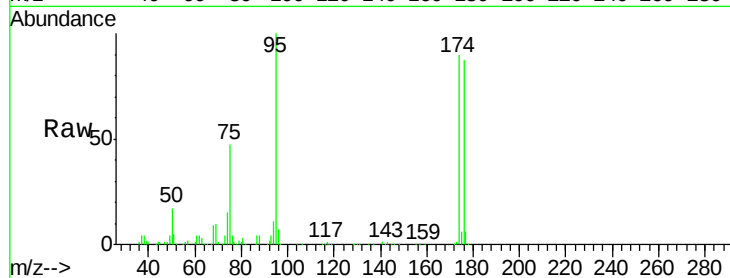
Tot Ion: 95 Resp: 230909

Ion Ratio Lower Upper

95 100

174 90.1 0.0 182.6

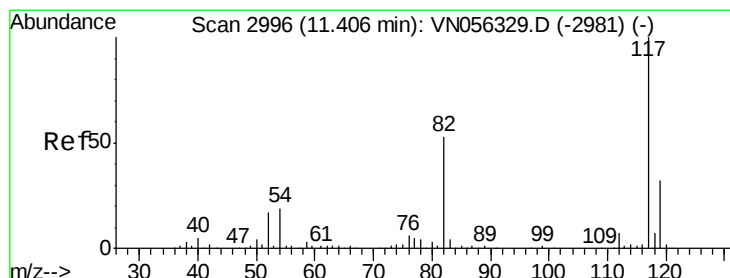
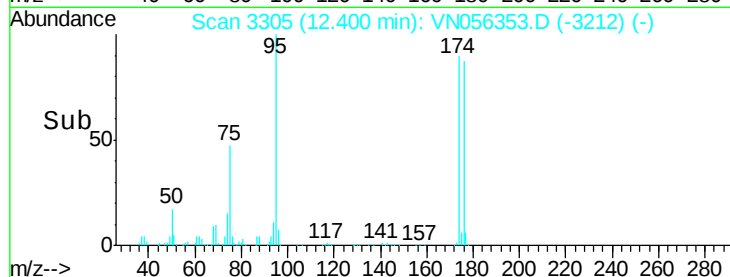
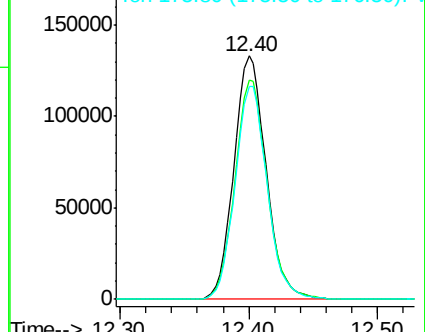
176 87.4 0.0 176.8



Abundance Ion 94.90 (94.60 to 95.60): VN056329.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN056329.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN056329.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056353.D

Acq: 18 Jun 2019 10:10

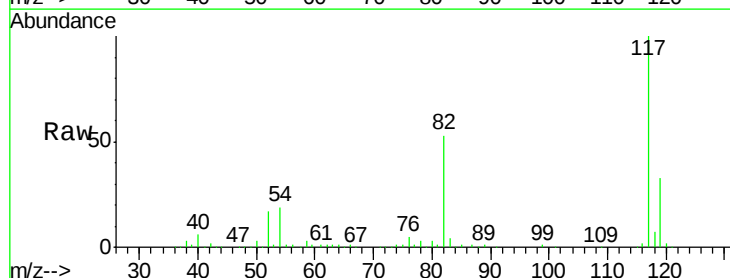
Tgt Ion: 117 Resp: 566665

Ion Ratio Lower Upper

117 100

82 53.0 42.4 63.6

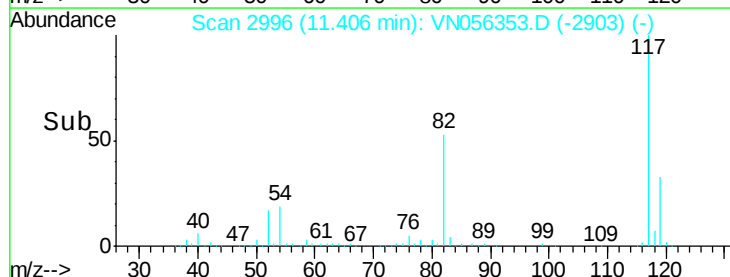
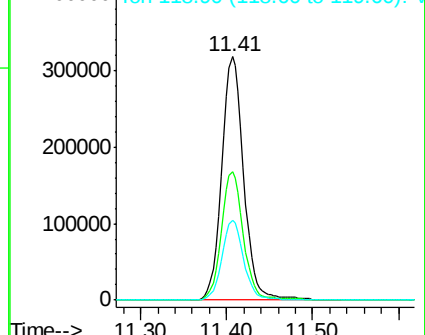
119 32.9 26.0 39.0

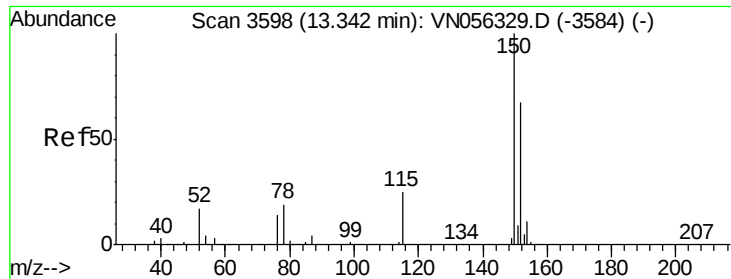


Abundance Ion 116.90 (116.60 to 117.60): VN056329.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN056329.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN056329.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056353.D

Acq: 18 Jun 2019 10:10

Instrument :

MSVOA\_N

ClientSampleId :

PB120699TB

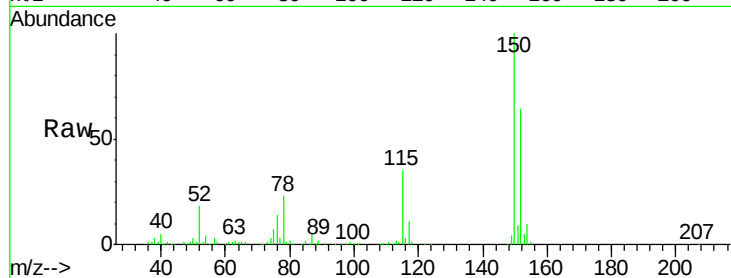
Tot Ion:152 Resp: 175872

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.3

150 157.2 0.0 345.8



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

