

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\  
 Data File : VN054037.D  
 Acq On : 1 Mar 2019 18:48  
 Operator : JC/SP  
 Sample : PB117500TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB117500TB

Quant Time: Mar 02 05:29:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 28 04:05:45 2019  
 Response via : Initial Calibration

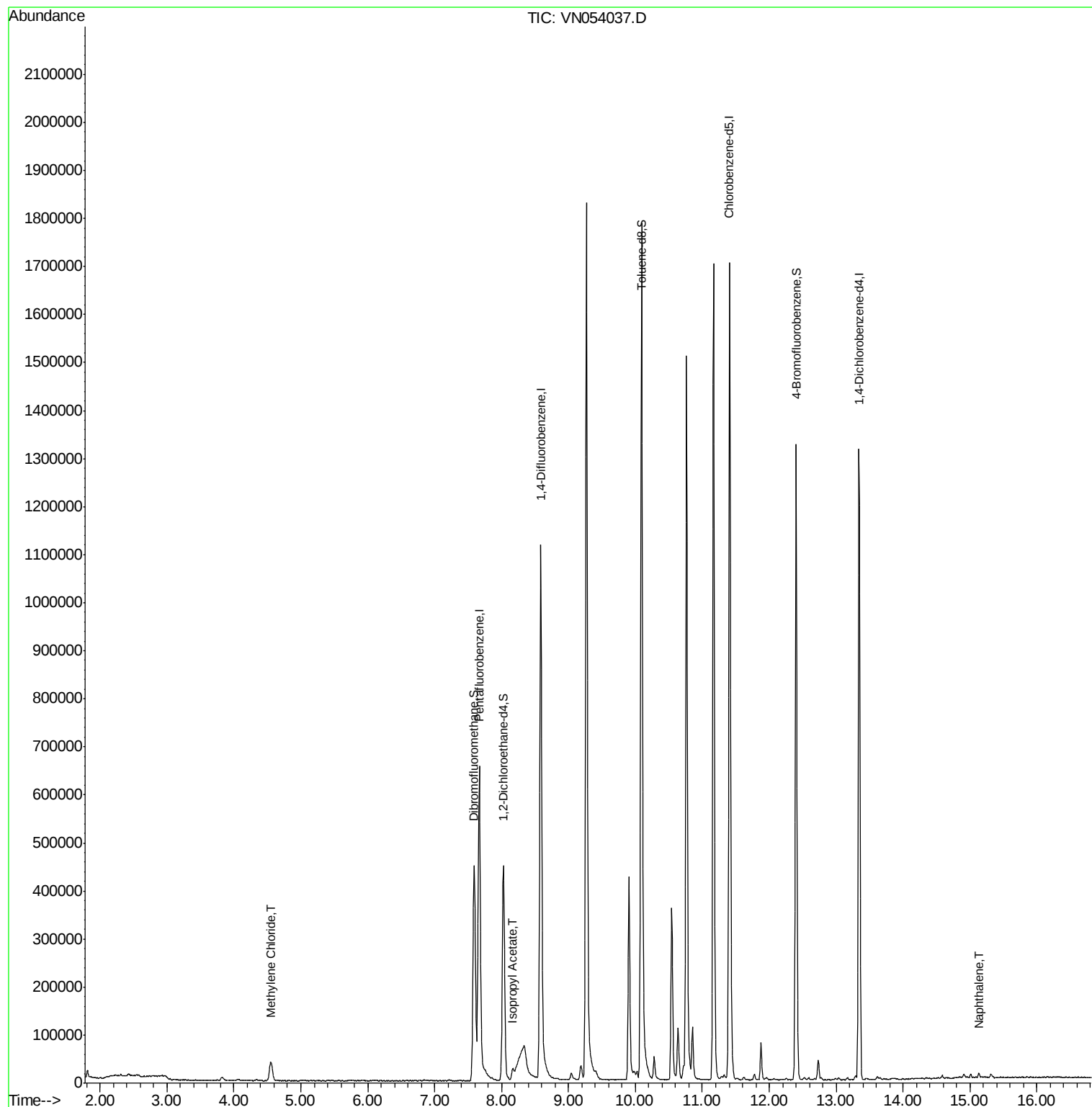
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 615578   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1097841  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1061990  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 369830   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 387088   | 53.64 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.28% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 351652   | 49.53 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.06%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1402638  | 53.07 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.14% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 460705   | 52.32 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.64% |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 4.55  | 84   | 29725    | 4.162 | ug/l    | 88       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 33831    | 2.749 | ug/l #  | 93       |
| 95) Naphthalene             | 15.13 | 128  | 8282     | 3.741 | ug/l #  | 95       |

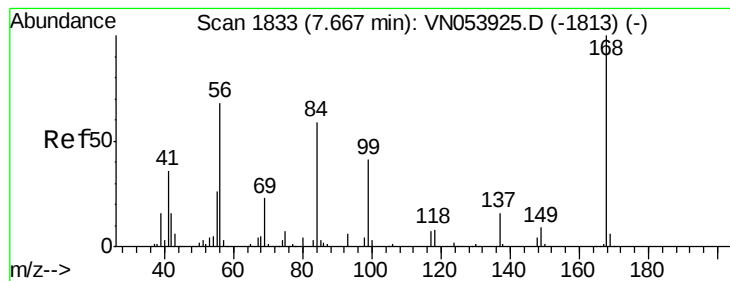
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Feb 28 04:05:45 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: VN054037.D

Acq: 1 Mar 2019 18:48

Instrument :

MSVOA\_N

ClientSampleId :

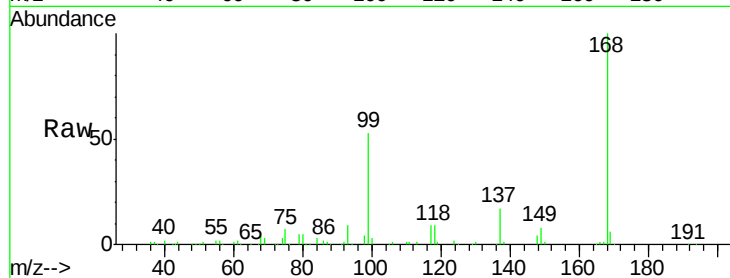
PB117500TB

Tot Ion:168 Resp: 615578

Ion Ratio Lower Upper

168 100

99 53.4 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

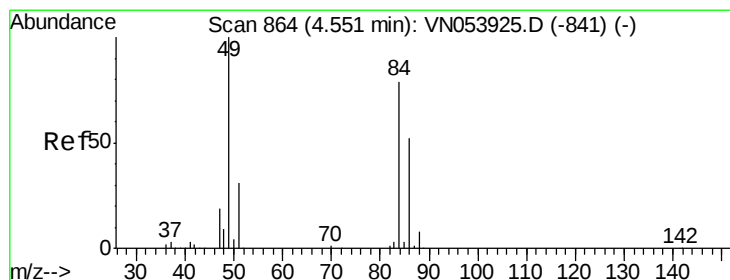
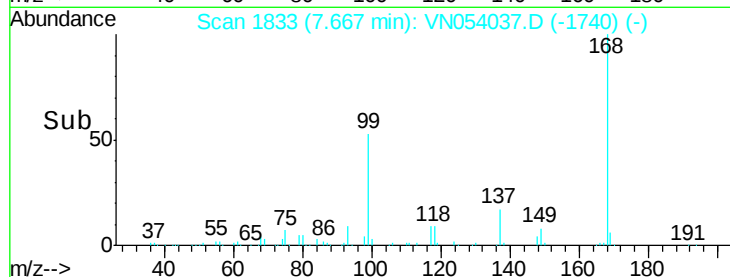
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 4.162 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN054037.D

Acq: 1 Mar 2019 18:48

Tgt Ion: 84 Resp: 29725

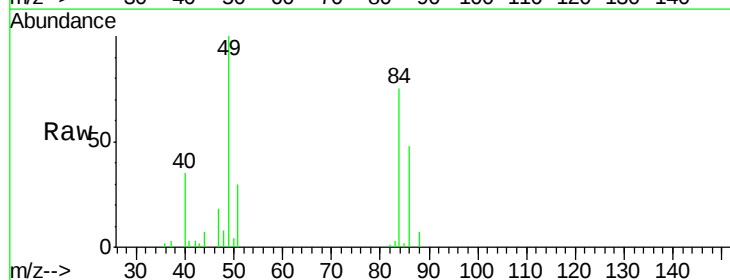
Ion Ratio Lower Upper

84 100

49 133.4 89.7 134.5

51 40.4 27.8 41.8

86 63.6 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

20000

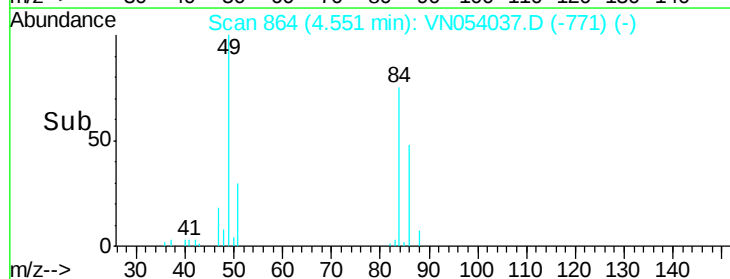
15000

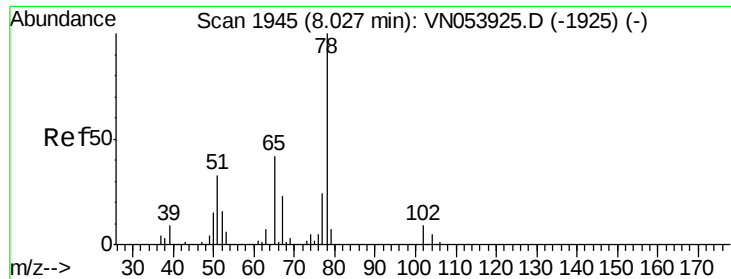
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 53.643 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054037.D

Acq: 1 Mar 2019 18:48

Instrument :

MSVOA\_N

ClientSampleId :

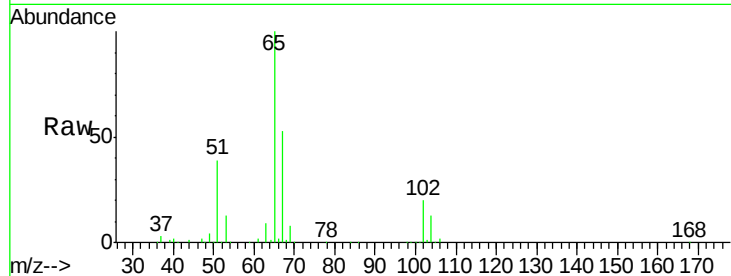
PB117500TB

Tot Ion: 65 Resp: 387088

Ion Ratio Lower Upper

65 100

67 53.9 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN054037.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054037.D (-1852) (-)

8.03

150000

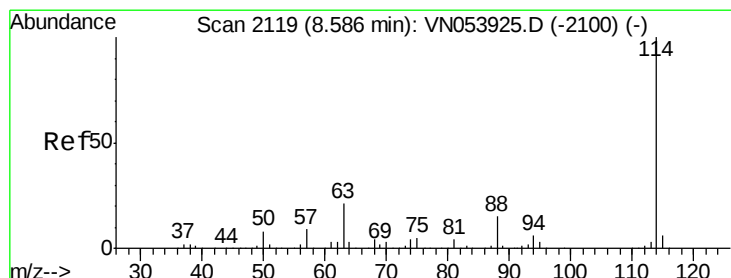
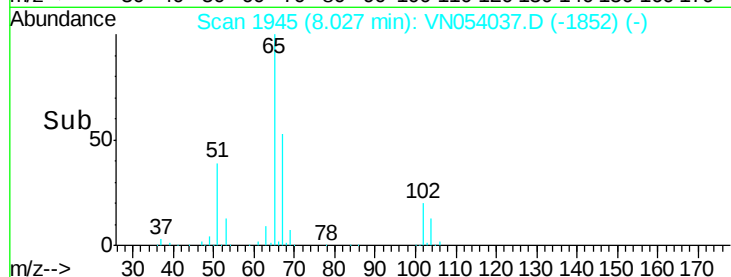
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054037.D

Acq: 1 Mar 2019 18:48

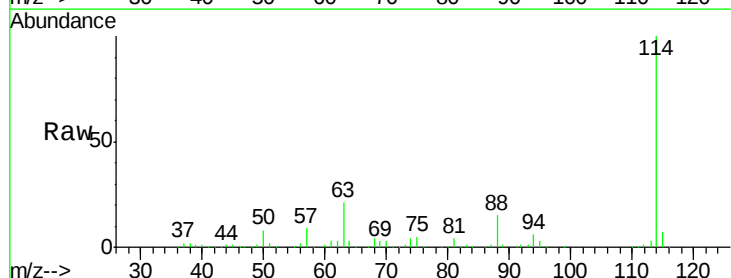
Tgt Ion: 114 Resp: 1097841

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN054037.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054037.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054037.D (-2026) (-)

8.59

600000

500000

400000

300000

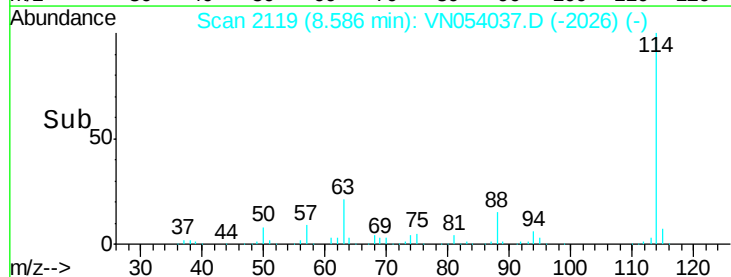
200000

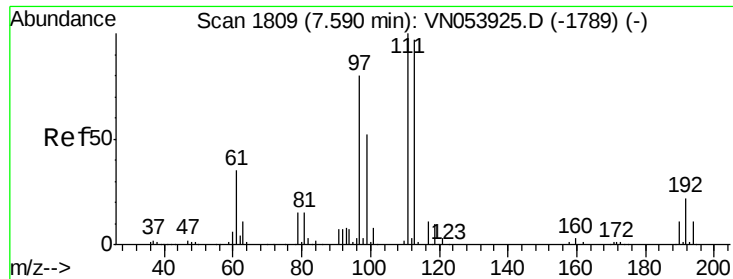
100000

0

8.50 8.60 8.70 8.80

Time-->

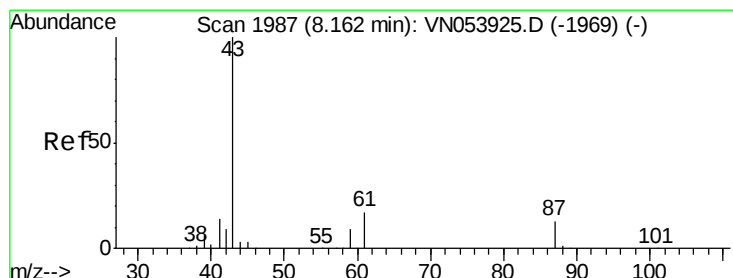
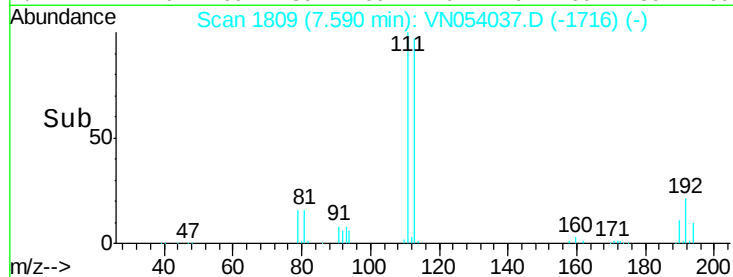
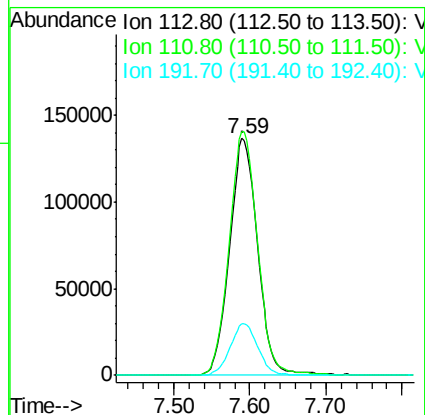
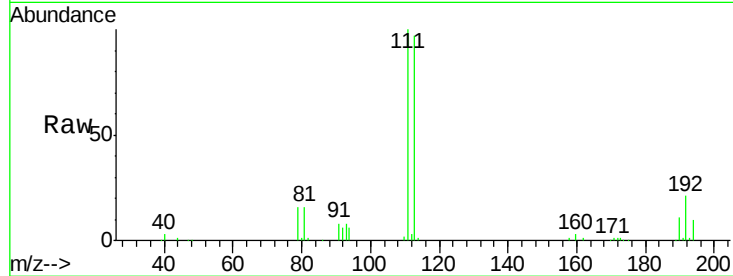




#35  
 Dibromofluoromethane  
 Concen: 49.534 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN054037.D  
 Acq: 1 Mar 2019 18:48

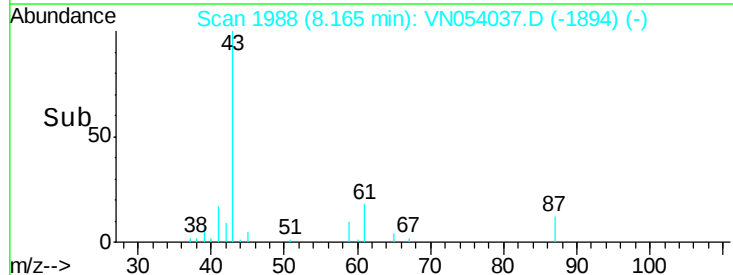
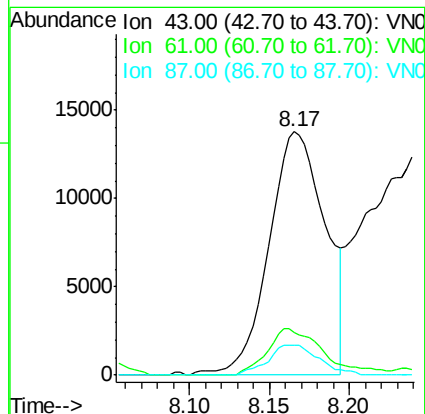
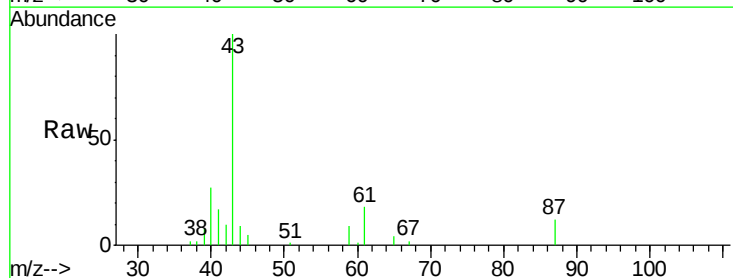
Instrument :  
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 PB117500TB

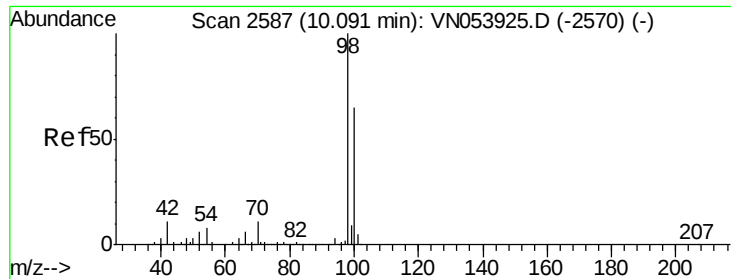
Tot Ion:113 Resp: 351652  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 81.1 121.7  
 192 21.5 18.8 28.2



#43  
 Isopropyl Acetate  
 Concen: 2.749 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: VN054037.D  
 Acq: 1 Mar 2019 18:48

Tgt Ion: 43 Resp: 33831  
 Ion Ratio Lower Upper  
 43 100  
 61 18.9 17.4 26.0  
 87 11.1 11.5 17.3#





#50

Toluene-d8

Concen: 53.075 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054037.D

Acq: 1 Mar 2019 18:48

Instrument :

MSVOA\_N

ClientSampleId :

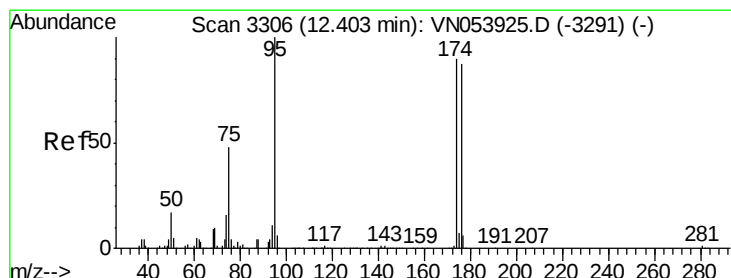
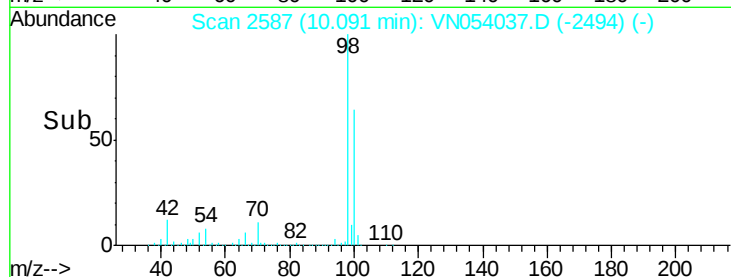
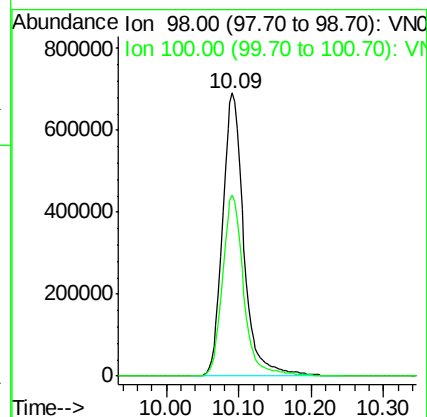
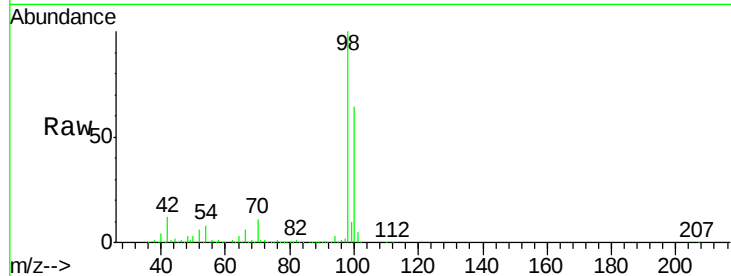
PB117500TB

Tot Ion: 98 Resp: 1402638

Ion Ratio Lower Upper

98 100

100 63.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 52.324 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054037.D

Acq: 1 Mar 2019 18:48

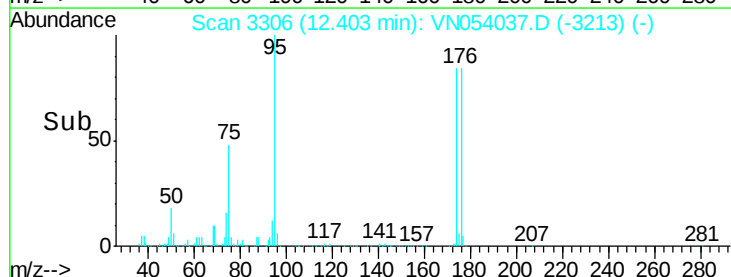
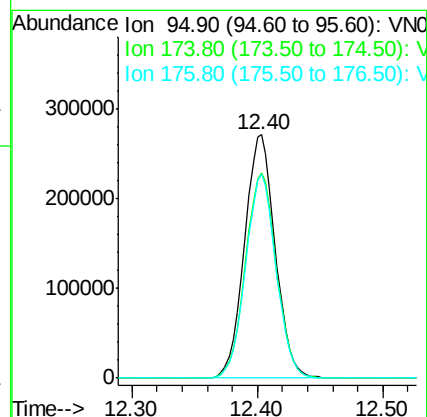
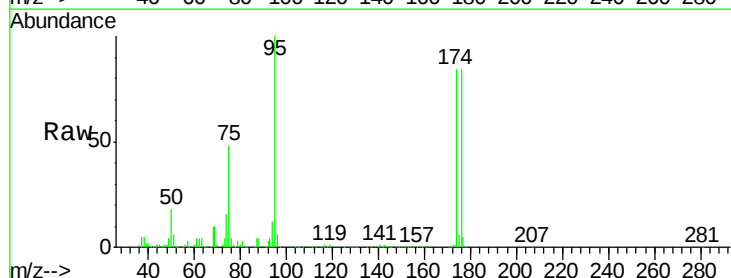
Tgt Ion: 95 Resp: 460705

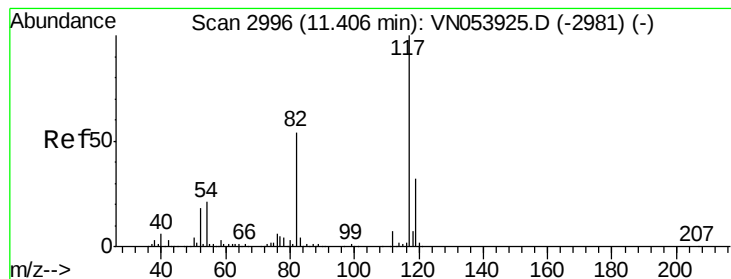
Ion Ratio Lower Upper

95 100

174 85.4 0.0 188.8

176 83.1 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054037.D

Acq: 1 Mar 2019 18:48

Instrument :

MSVOA\_N

ClientSampleId :

PB117500TB

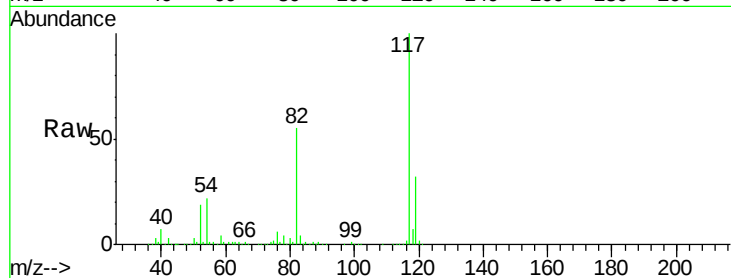
Tot Ion:117 Resp: 1061990

Ion Ratio Lower Upper

117 100

82 55.3 41.4 62.2

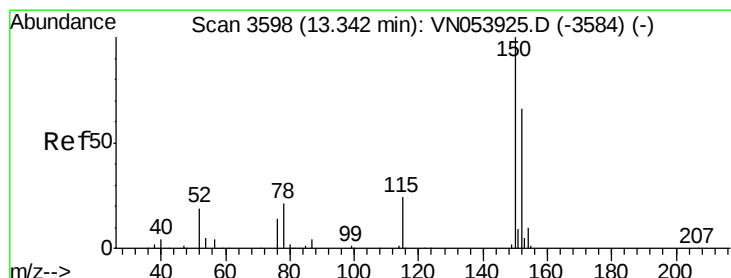
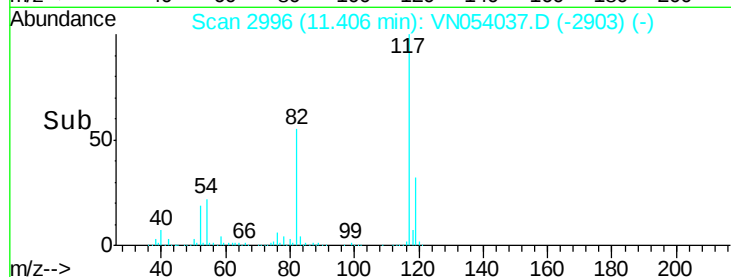
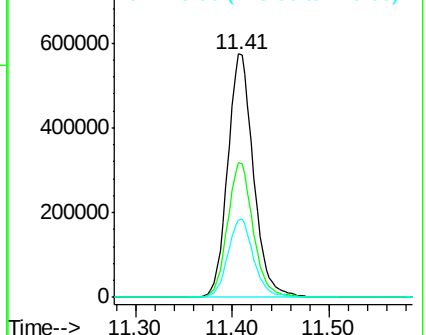
119 31.9 25.3 37.9



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054037.D

Acq: 1 Mar 2019 18:48

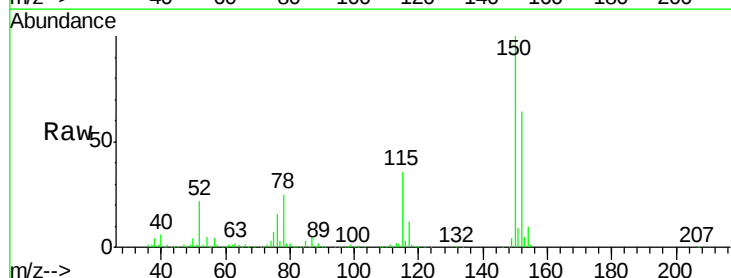
Tgt Ion:152 Resp: 369830

Ion Ratio Lower Upper

152 100

115 57.2 27.2 81.6

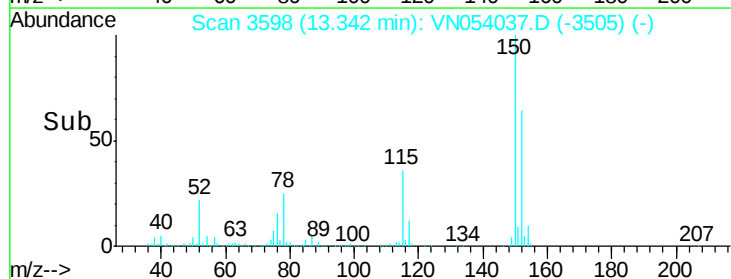
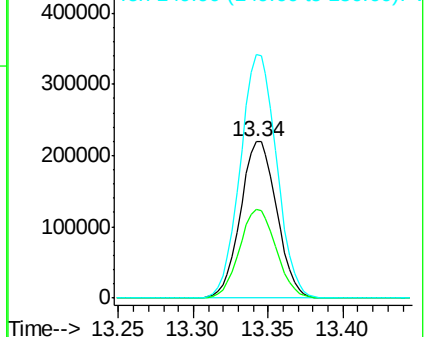
150 156.5 0.0 348.2

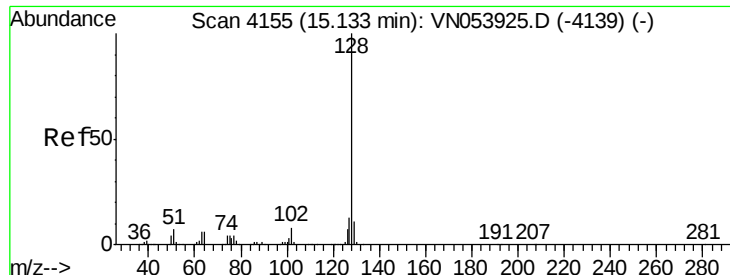


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#95

Naphthalene

Concen: 3.741 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054037.D

Acq: 1 Mar 2019 18:48

Instrument :

MSVOA\_N

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PB117500TB

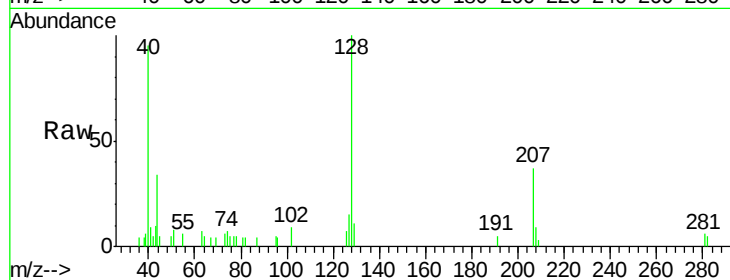
Tot Ion:128 Resp: 8282

Ion Ratio Lower Upper

128 100

127 11.2 10.2 15.2

129 13.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

