

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\  
 Data File : VN050179.D  
 Acq On : 30 Jul 2018 11:51  
 Operator : MD\SY  
 Sample : PB111570TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111570TB

Quant Time: Jul 31 01:26:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 648897   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1057199  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 901775   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 301316   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 440832   | 48.69 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.38% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 402470   | 46.63 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.26% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1438402  | 45.33 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.66% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 397576   | 38.05 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 76.10% |          |

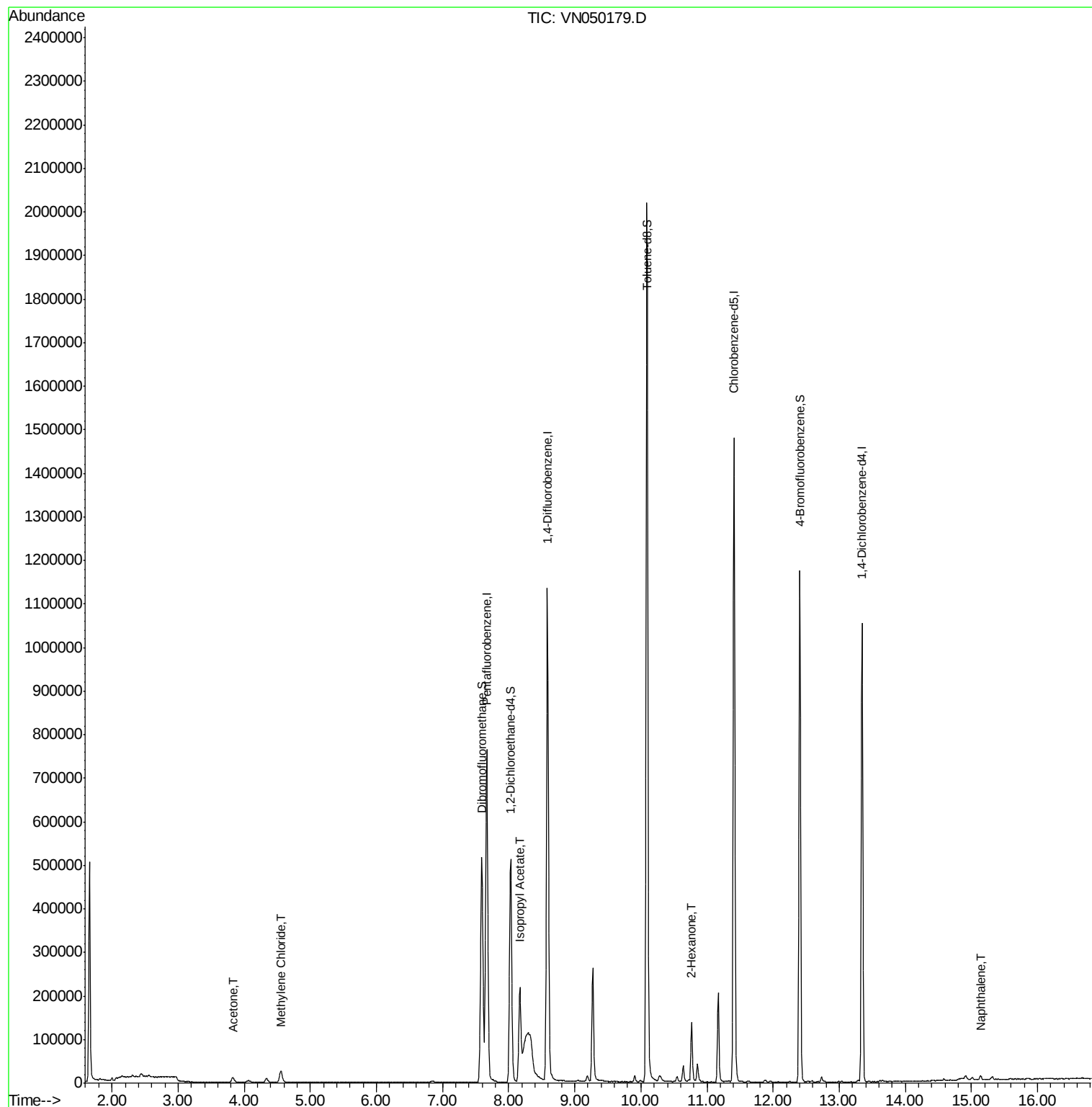
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone            | 3.82  | 43   | 19868    | 5.06  | ug/l   | 92     |
| 20) Methylene Chloride | 4.55  | 84   | 20610    | 1.35  | ug/l   | 93     |
| 43) Isopropyl Acetate  | 8.17  | 43   | 269739   | 16.47 | ug/l   | 96     |
| 59) 2-Hexanone         | 10.77 | 43   | 21223    | 8.64  | ug/l # | 60     |
| 95) Naphthalene        | 15.14 | 128  | 7971     | 4.94  | ug/l # | 95     |

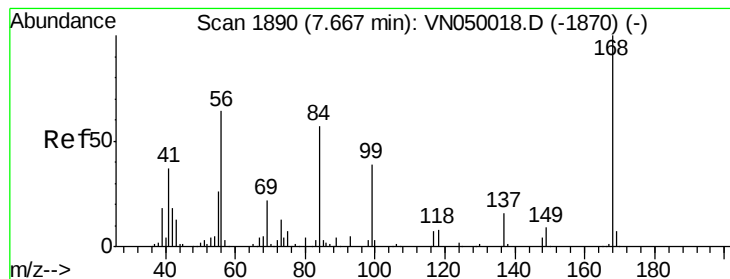
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073018\  
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PB111570TB

Quant Time: Jul 31 01:26:29 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050179.D

Acq: 30 Jul 2018 11:51

Instrument :

MSVOA\_N

ClientSampleId :

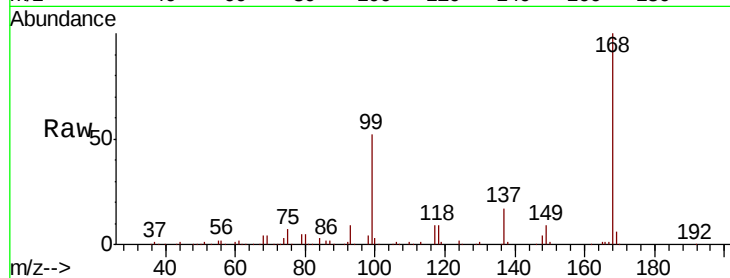
PB111570TB

Tot Ion:168 Resp: 648897

Ion Ratio Lower Upper

168 100

99 52.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

250000

200000

150000

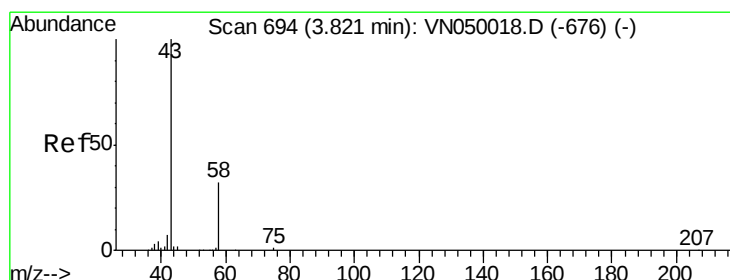
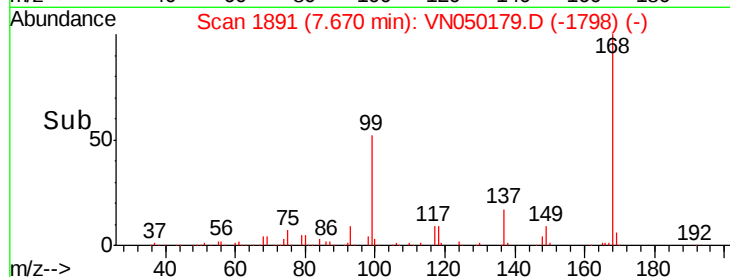
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 5.06 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050179.D

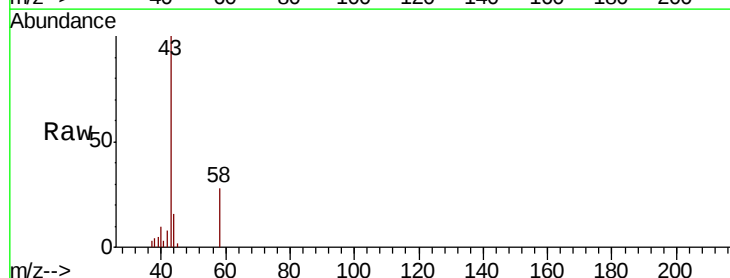
Acq: 30 Jul 2018 11:51

Tgt Ion: 43 Resp: 19868

Ion Ratio Lower Upper

43 100

58 28.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)

3.82

8000

6000

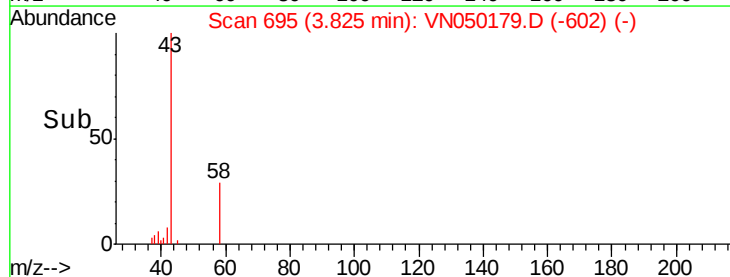
4000

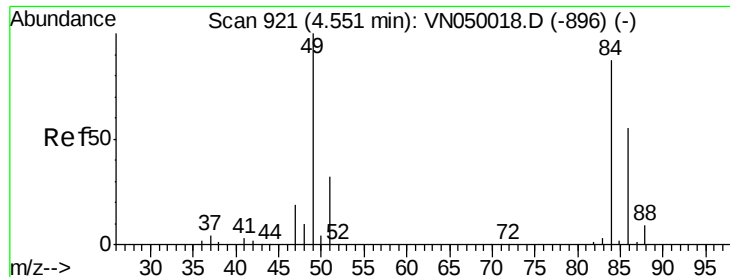
2000

0

3.75 3.80 3.85 3.90

Time-->

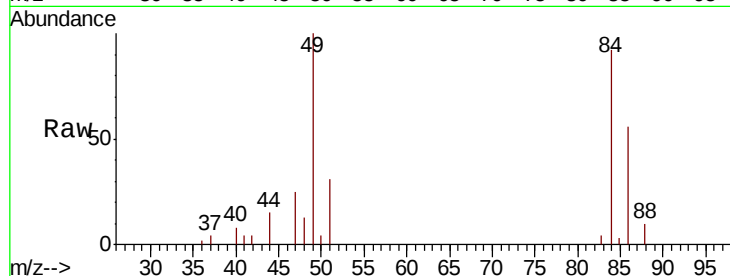




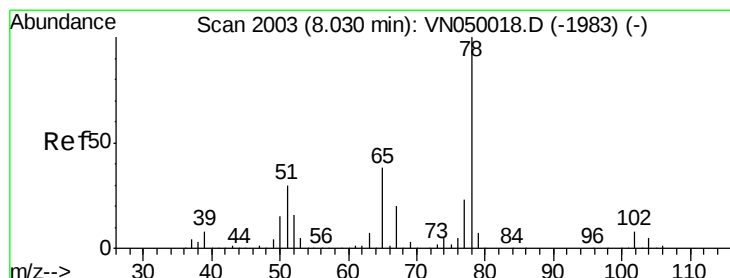
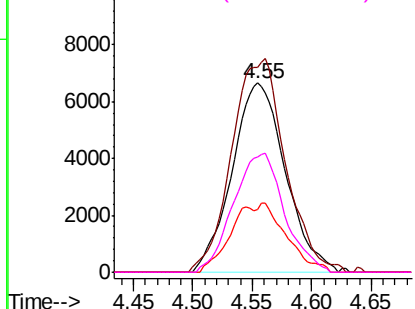
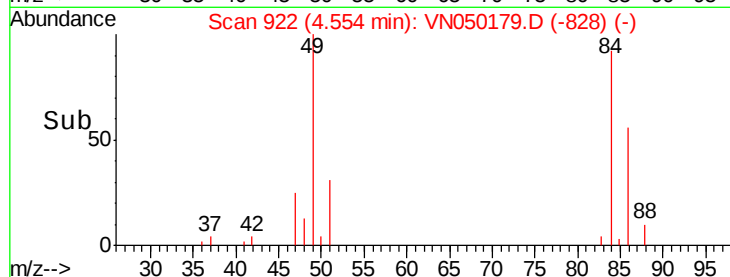
#20  
Methvlene Chloride  
Concen: 1.35 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN050179.D  
Acq: 30 Jul 2018 11:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111570TB

Tot Ion: 84 Resp: 20610  
Ion Ratio Lower Upper  
84 100  
49 108.7 94.8 142.2  
51 33.2 28.3 42.5  
86 61.0 51.0 76.6

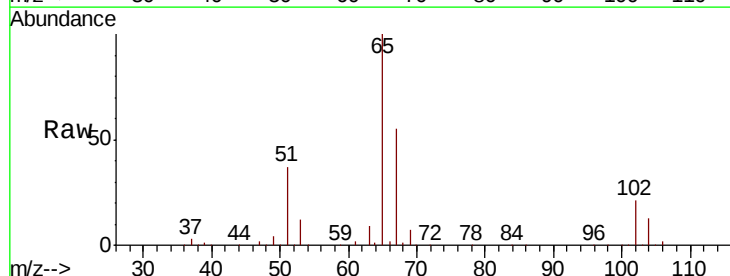


Abundance Ion 83.90 (83.60 to 84.60): VNC  
Ion 48.90 (48.60 to 49.60): VNC  
Ion 50.90 (50.60 to 51.60): VNC  
Ion 85.90 (85.60 to 86.60): VNC

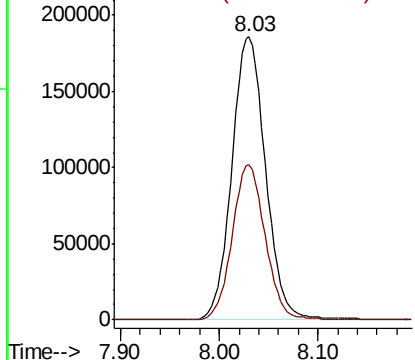
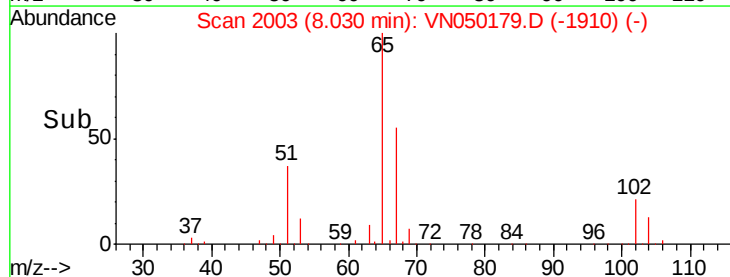


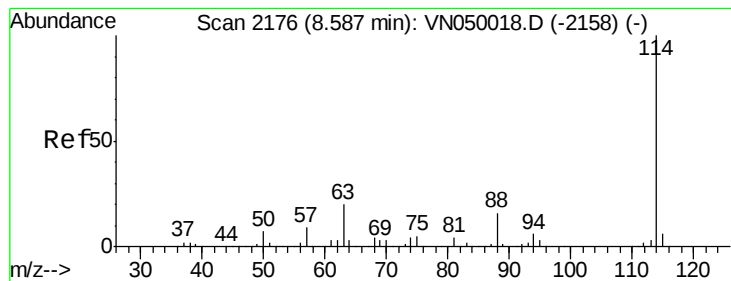
#33  
1,2-Dichloroethane-d4  
Concen: 48.69 ug/l  
RT: 8.03 min Scan# 2003  
Delta R.T. 0.00 min  
Lab File: VN050179.D  
Acq: 30 Jul 2018 11:51

Tgt Ion: 65 Resp: 440832  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 108.4



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050179.D

Acq: 30 Jul 2018 11:51

Instrument :

MSVOA\_N

ClientSampleId :

PB111570TB

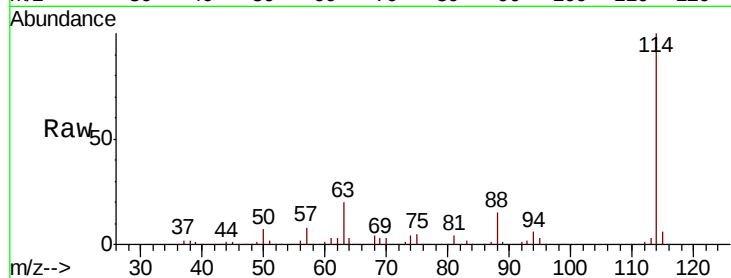
Tot Ion:114 Resp: 1057199

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

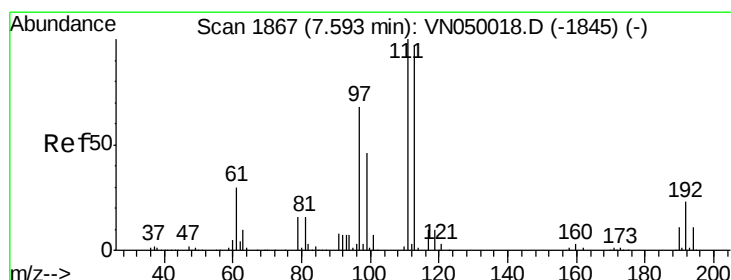
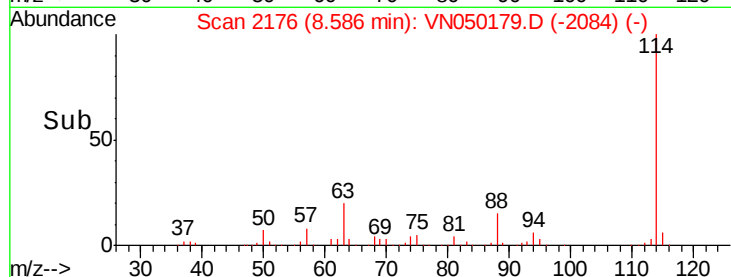
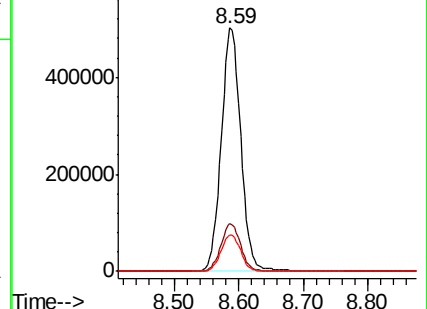
88 15.1 0.0 31.2



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: 46.63 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050179.D

Acq: 30 Jul 2018 11:51

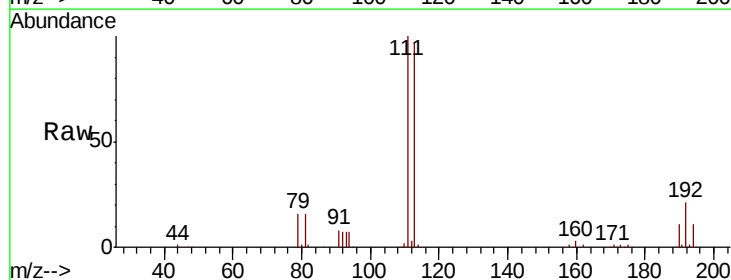
Tgt Ion:113 Resp: 402470

Ion Ratio Lower Upper

113 100

111 102.4 80.7 121.1

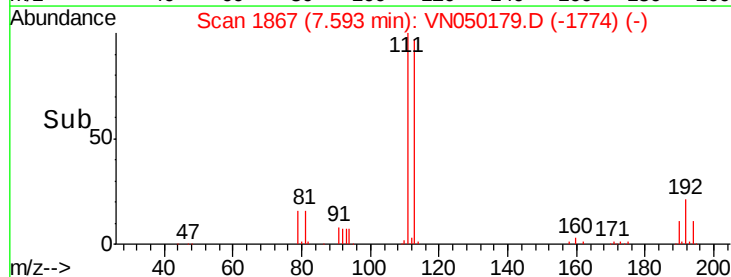
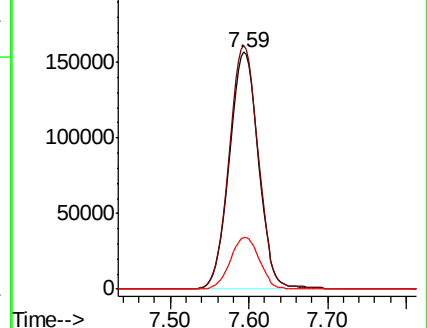
192 22.0 17.8 26.6

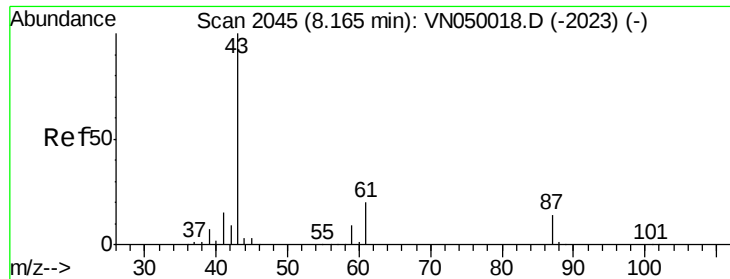


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 16.47 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050179.D

Acq: 30 Jul 2018 11:51

Instrument :

MSVOA\_N

ClientSampleId :

PB111570TB

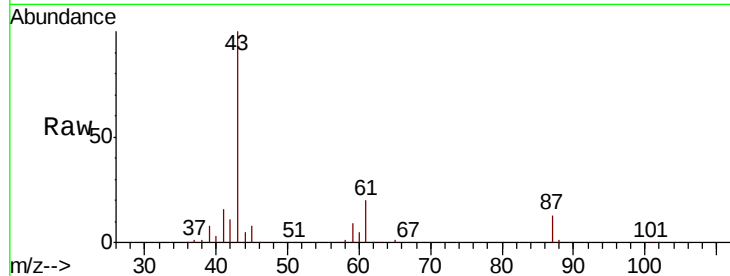
Tot Ion: 43 Resp: 269739

Ion Ratio Lower Upper

43 100

61 17.8 15.8 23.6

87 11.8 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

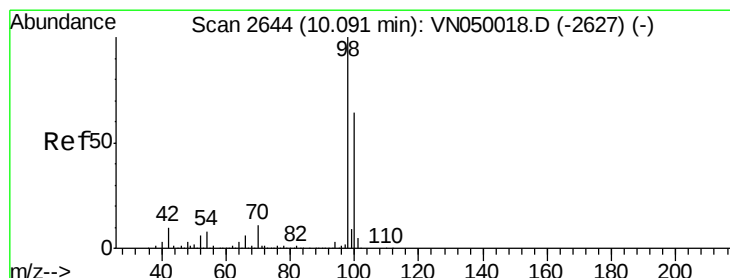
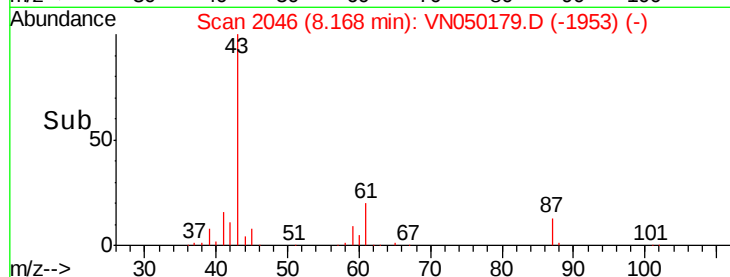
8.17

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 45.33 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050179.D

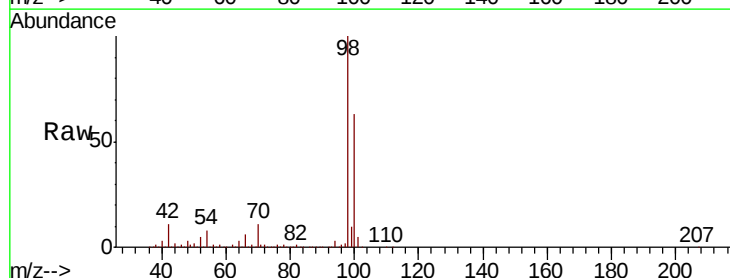
Acq: 30 Jul 2018 11:51

Tgt Ion: 98 Resp: 1438402

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050018.D (-2627) (-)

10.09

800000

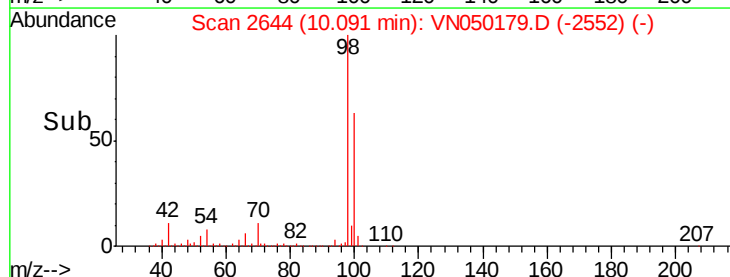
600000

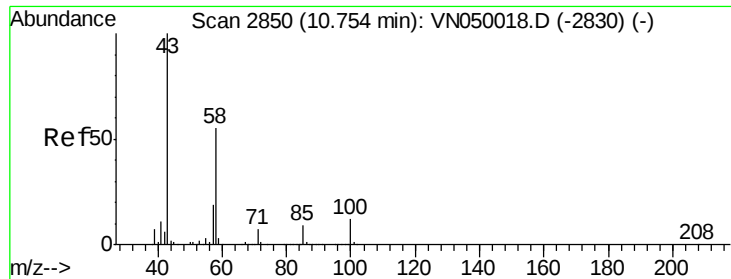
400000

200000

0

Time-->





#59

2-Hexanone

Concen: 8.64 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050179.D

Acq: 30 Jul 2018 11:51

Instrument :

MSVOA\_N

ClientSampleId :

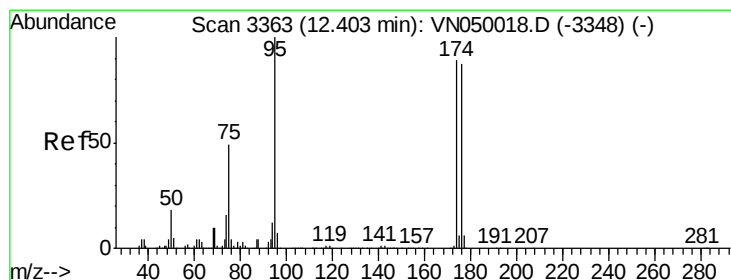
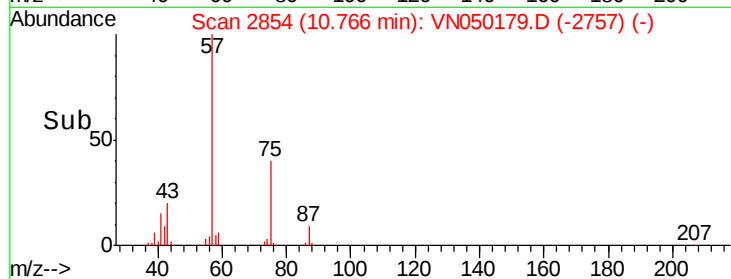
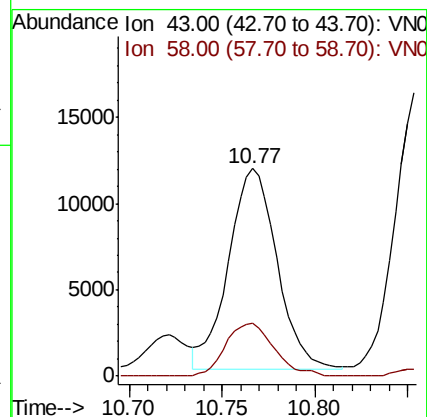
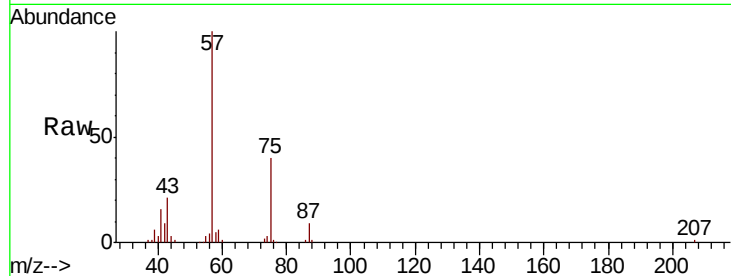
PB111570TB

Tot Ion: 43 Resp: 21223

Ion Ratio Lower Upper

43 100

58 26.1 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 38.05 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050179.D

Acq: 30 Jul 2018 11:51

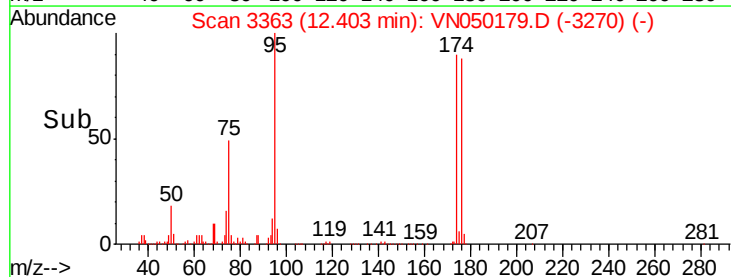
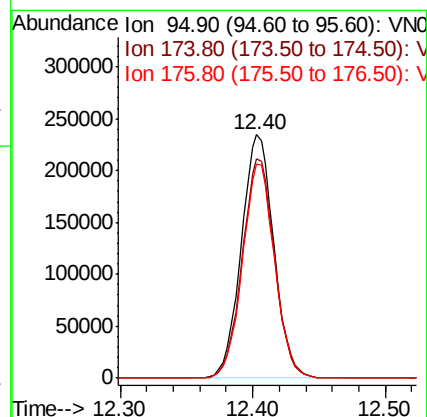
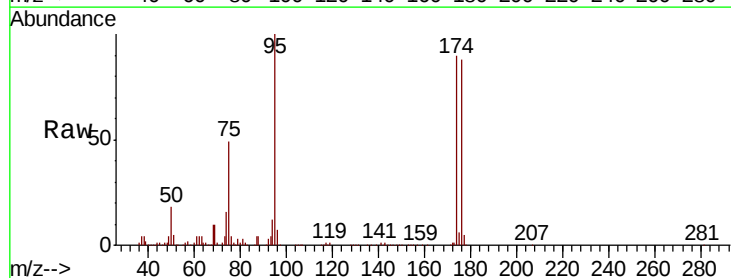
Tgt Ion: 95 Resp: 397576

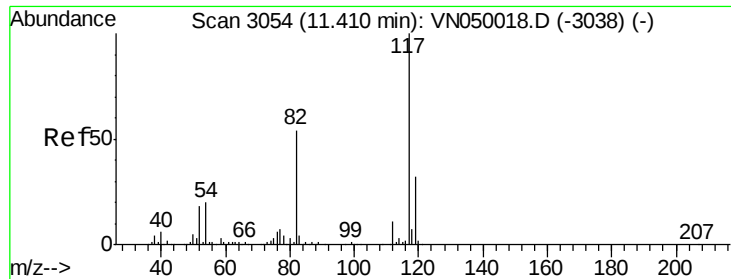
Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.2

176 87.0 0.0 173.4

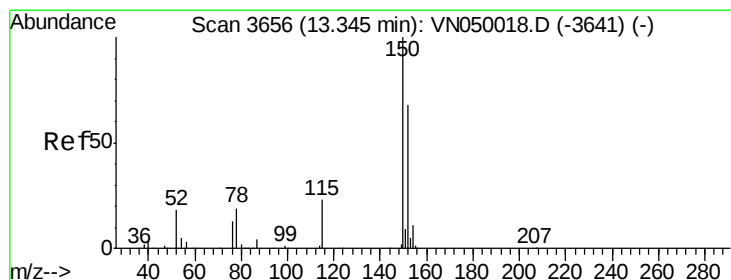
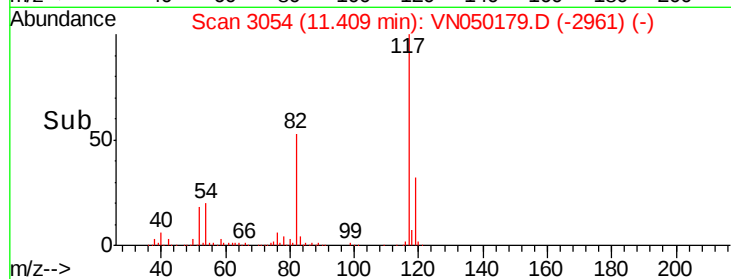
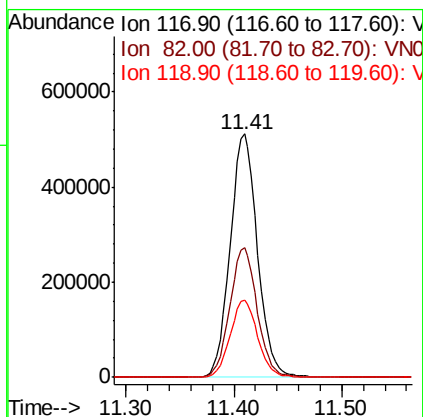
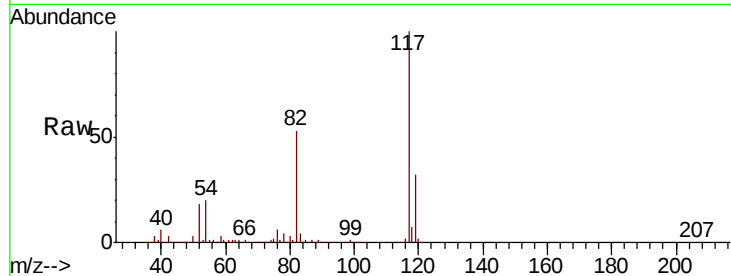




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050179.D  
Acq: 30 Jul 2018 11:51

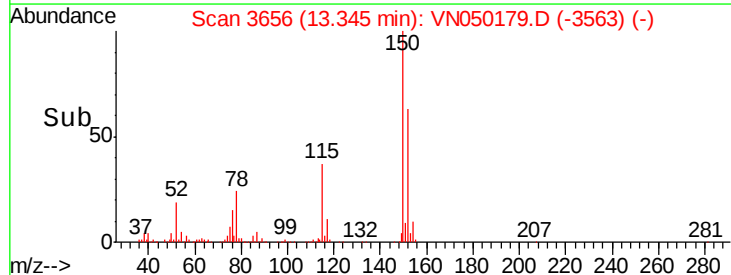
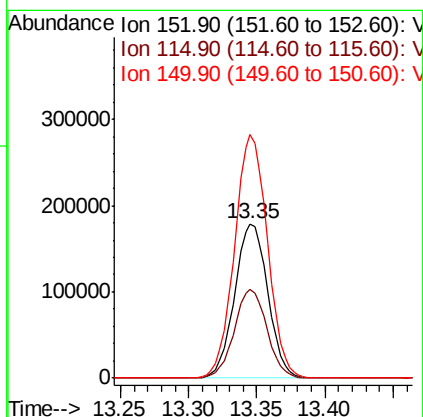
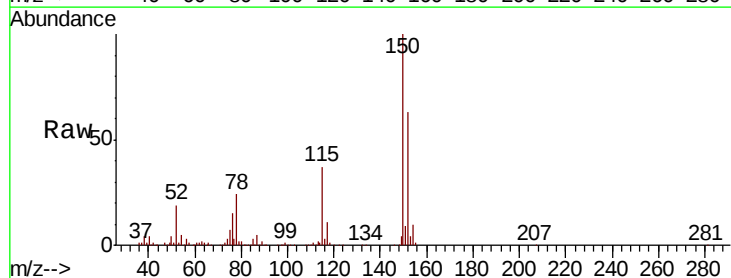
Instrument :  
MSVOA\_N  
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PB111570TB

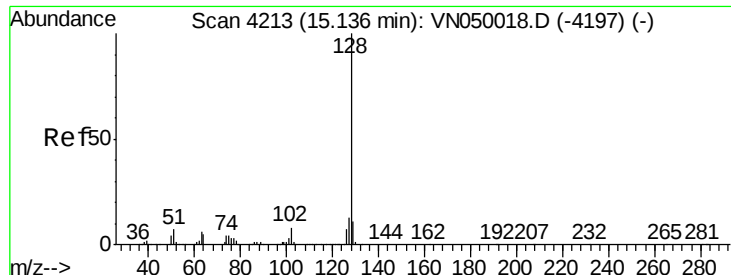
Tot Ion:117 Resp: 901775  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.7 65.5  
119 32.0 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. 0.00 min  
Lab File: VN050179.D  
Acq: 30 Jul 2018 11:51

Tgt Ion:152 Resp: 301316  
Ion Ratio Lower Upper  
152 100  
115 56.8 27.8 83.3  
150 156.8 0.0 348.6





#95

Naphthalene

Concen: 4.94 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050179.D

Acq: 30 Jul 2018 11:51

Instrument :

MSVOA\_N

ClientSampleId :

PB111570TB

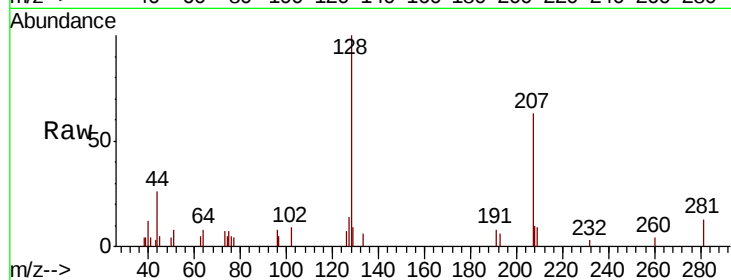
Tot Ion:128 Resp: 7971

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 7.8 8.8 13.2#



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

