

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN111518\  
 Data File : VN052333.D  
 Acq On : 15 Nov 2018 10:50  
 Operator : MD\SY  
 Sample : PB114830TB  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114830TB

Quant Time: Nov 16 03:18:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 15 03:02:37 2018  
 Response via : Initial Calibration

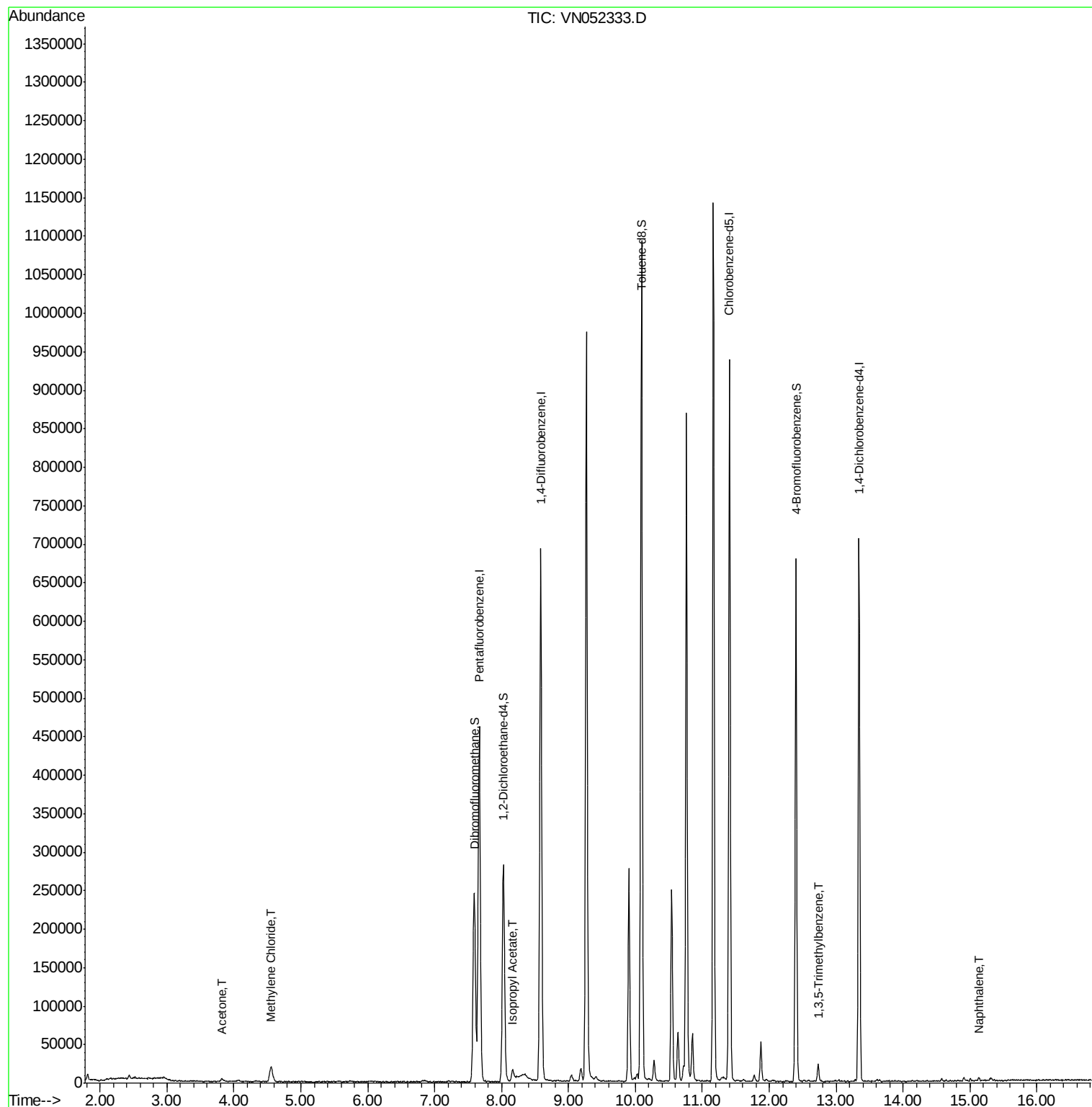
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 344907   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 576654   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 494098   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 167697   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 235357   | 48.32 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.64% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 184440   | 49.59 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.18% |          |
| 50) Toluene-d8              | 10.09 | 98   | 729120   | 49.83 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.66% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 213637   | 44.38 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.76% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 3.82  | 43   | 6872     | 5.12  | ug/l   | 92       |
| 20) Methylene Chloride      | 4.55  | 84   | 13161    | 2.56  | ug/l   | 92       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 20924    | 2.59  | ug/l # | 88       |
| 80) 1,3,5-Trimethylbenzene  | 12.73 | 105  | 11185    | 1.04  | ug/l   | 95       |
| 95) Naphthalene             | 15.13 | 128  | 2869     | 3.06  | ug/l   | 98       |

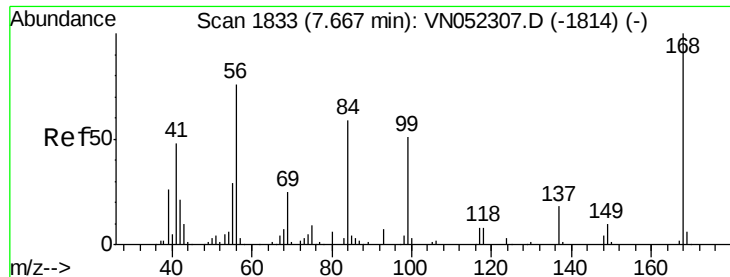
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN111518\  
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Quant Time: Nov 16 03:18:29 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N111418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 15 03:02:37 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052333.D

Acq: 15 Nov 2018 10:50

Instrument :

MSVOA\_N

ClientSampleId :

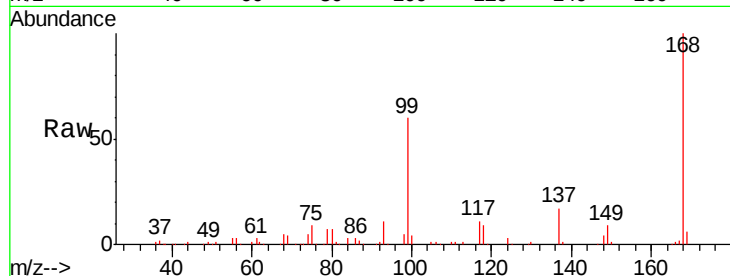
PB114830TB

Tgt Ion:168 Resp: 344907

Ion Ratio Lower Upper

168 100

99 59.9 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

7.67

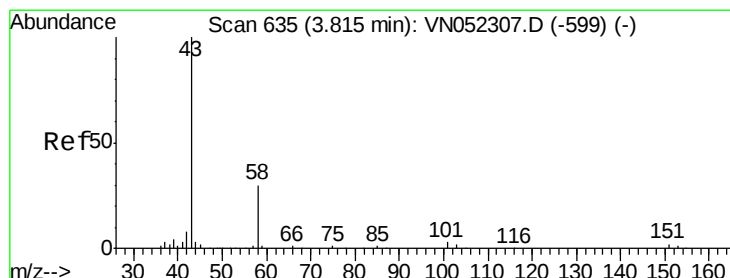
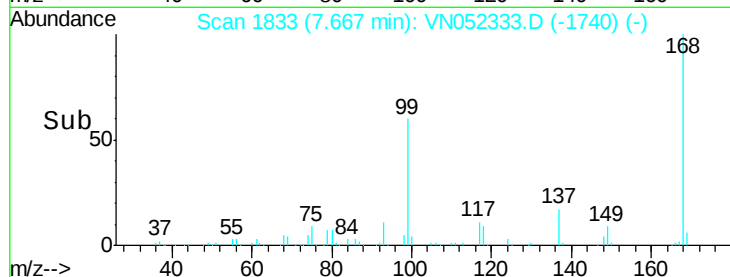
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.12 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052333.D

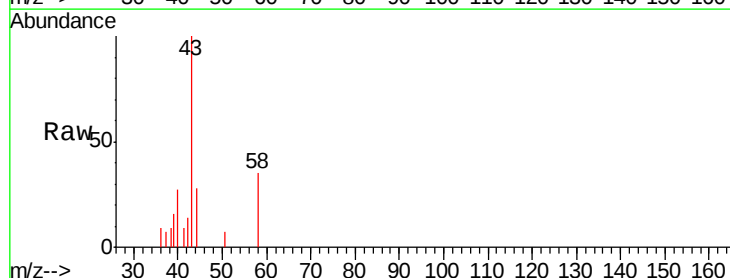
Acq: 15 Nov 2018 10:50

Tgt Ion: 43 Resp: 6872

Ion Ratio Lower Upper

43 100

58 34.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-599) (-)

3.82

2500

2000

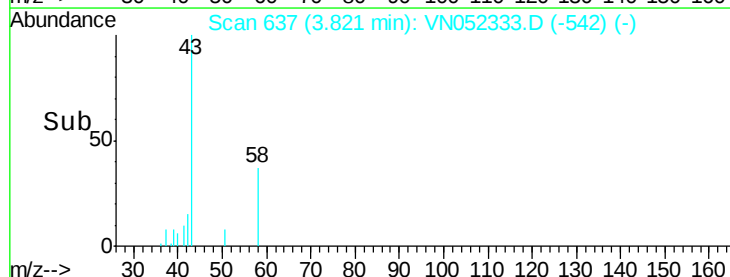
1500

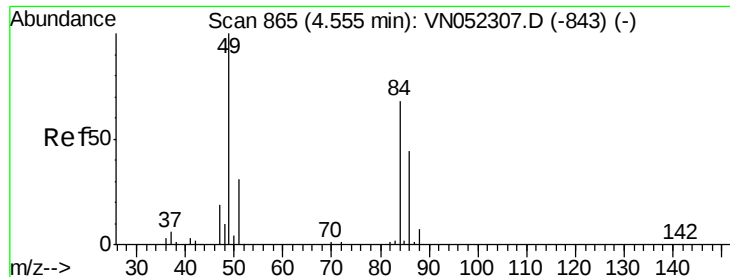
1000

500

0

Time-->

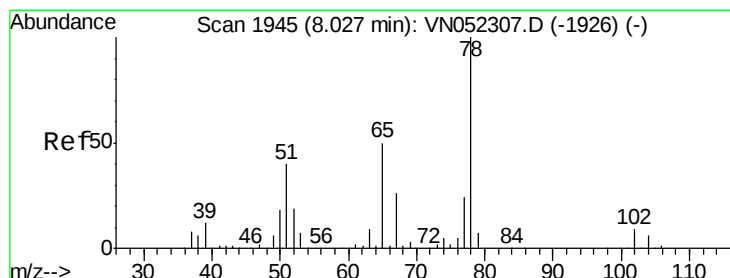
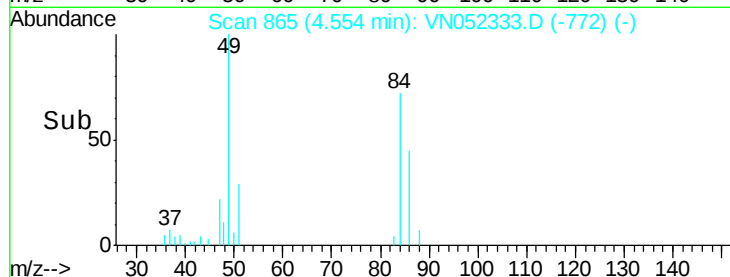
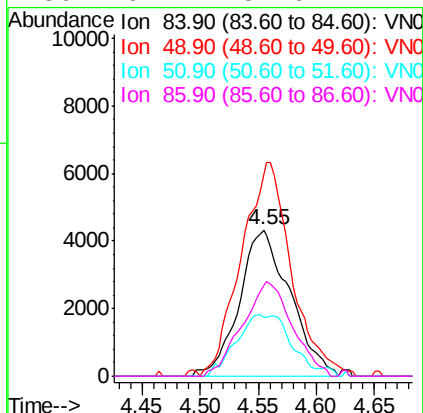
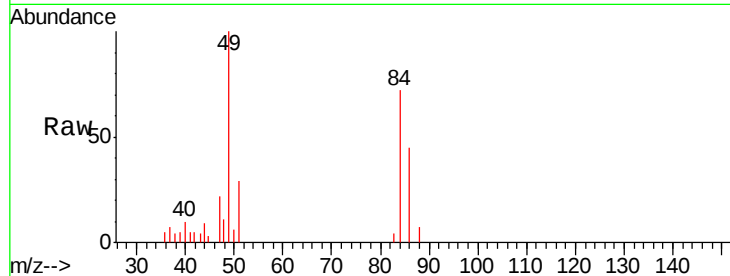




#20  
Methylene Chloride  
Concen: 2.56 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN052333.D  
Acq: 15 Nov 2018 10:50

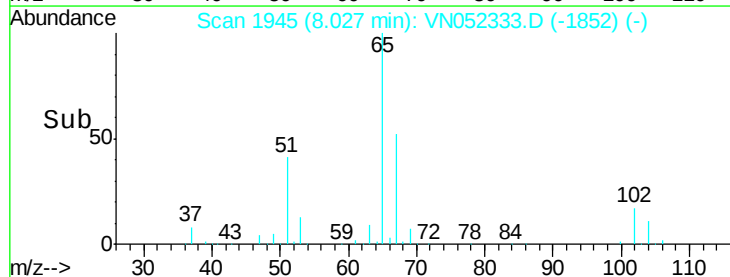
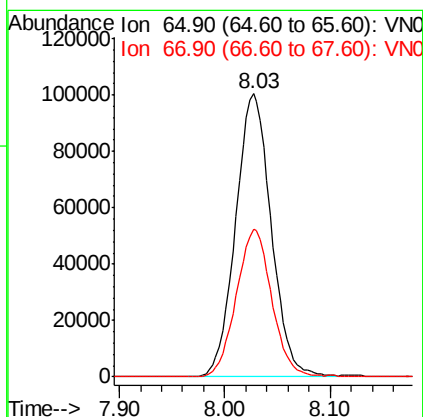
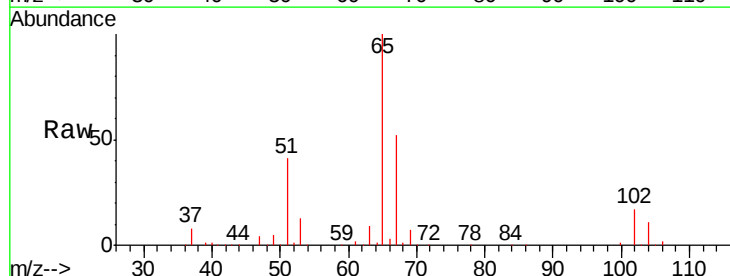
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB114830TB

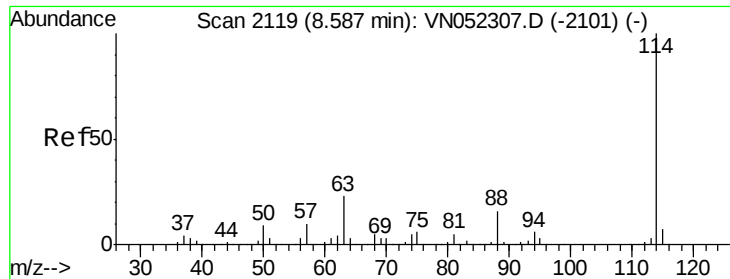
Tgt Ion: 84 Resp: 13161  
Ion Ratio Lower Upper  
84 100  
49 135.1 118.2 177.2  
51 40.7 36.1 54.1  
86 62.4 51.6 77.4



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. -0.00 min  
Lab File: VN052333.D  
Acq: 15 Nov 2018 10:50

Tgt Ion: 65 Resp: 235357  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 105.2

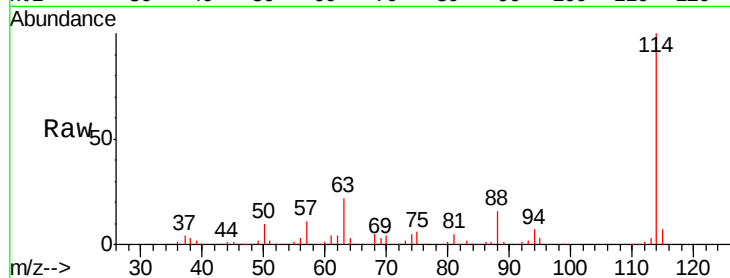




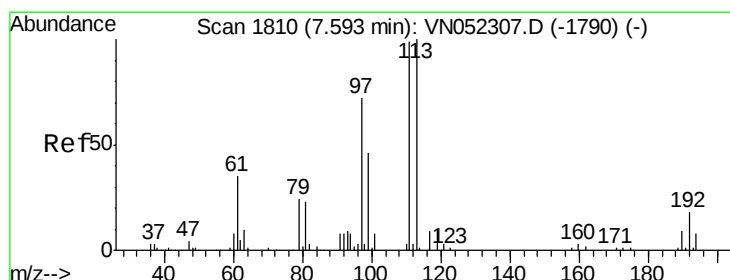
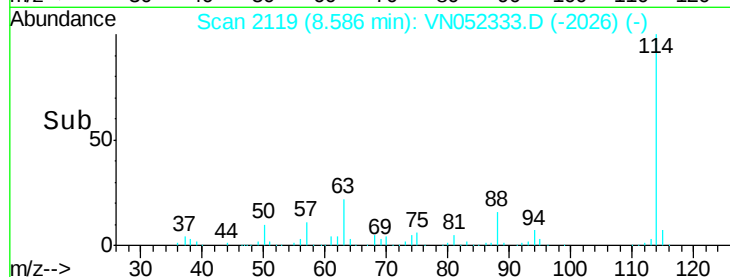
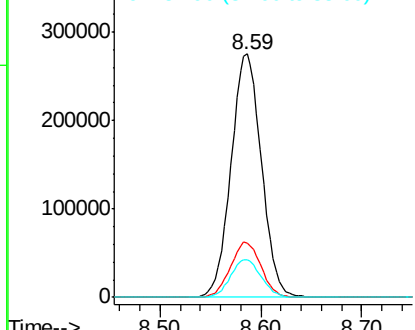
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN052333.D  
 Acq: 15 Nov 2018 10:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114830TB

Tgt Ion:114 Resp: 576654  
 Ion Ratio Lower Upper  
 114 100  
 63 22.5 0.0 45.4  
 88 15.6 0.0 31.2

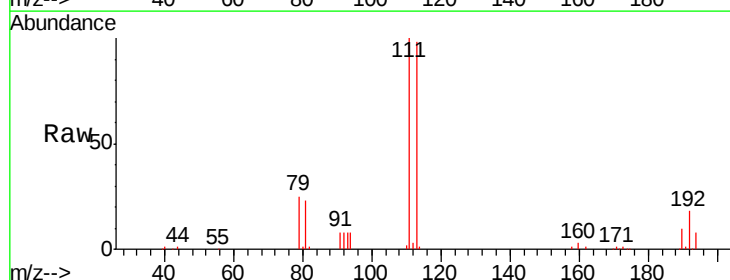


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

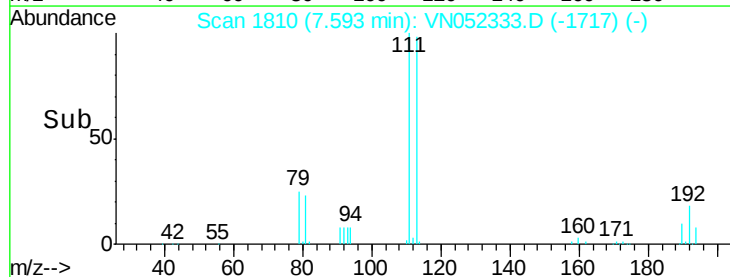
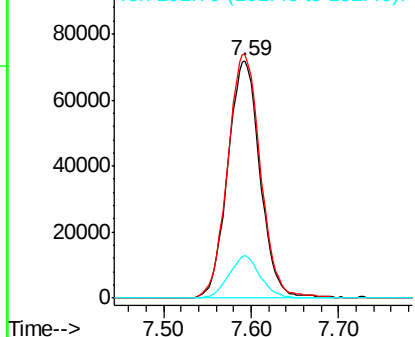


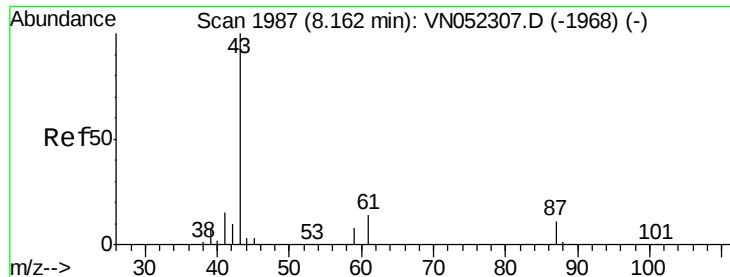
#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. -0.00 min  
 Lab File: VN052333.D  
 Acq: 15 Nov 2018 10:50

Tgt Ion:113 Resp: 184440  
 Ion Ratio Lower Upper  
 113 100  
 111 104.5 81.0 121.6  
 192 17.2 13.8 20.6



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: 2.59 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052333.D

Acq: 15 Nov 2018 10:50

Instrument :

MSVOA\_N

ClientSampled :

PB114830TB

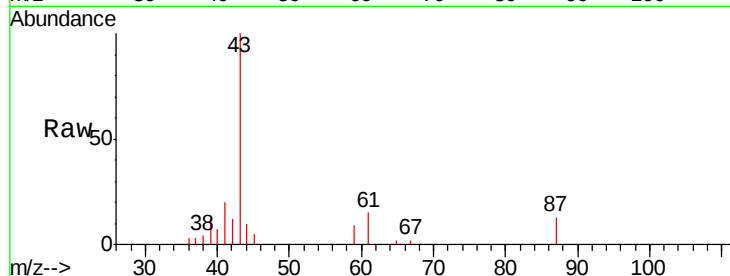
Tgt Ion: 43 Resp: 20924

Ion Ratio Lower Upper

43 100

61 6.5 12.0 18.0#

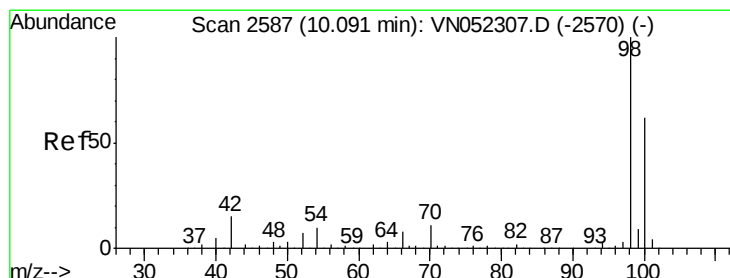
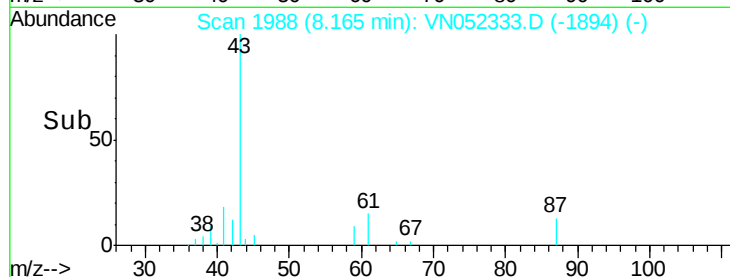
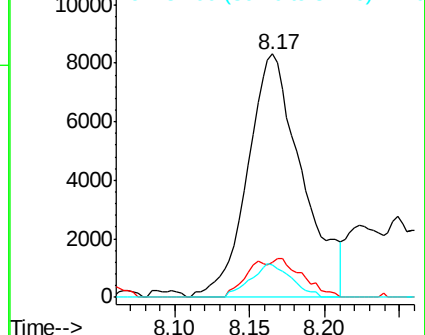
87 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052333.D

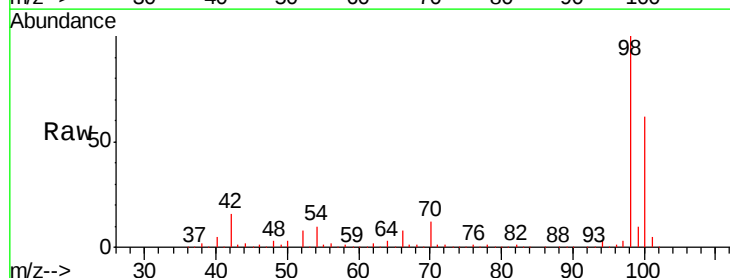
Acq: 15 Nov 2018 10:50

Tgt Ion: 98 Resp: 729120

Ion Ratio Lower Upper

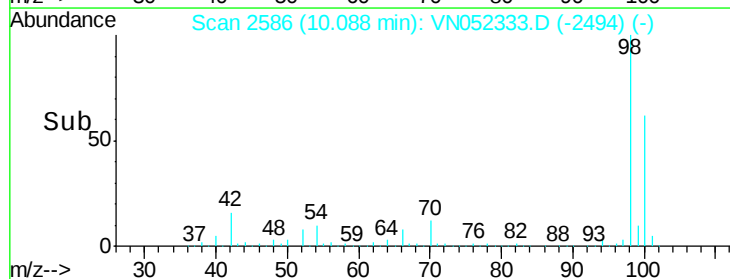
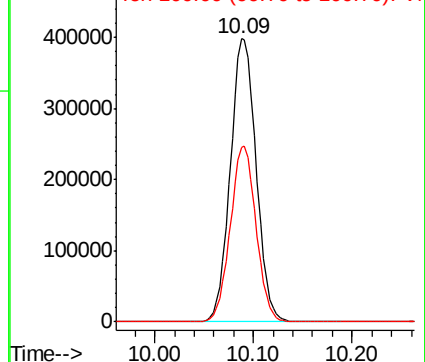
98 100

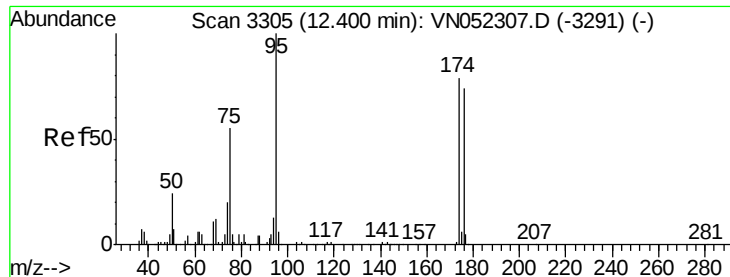
100 62.0 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052333.D

Acq: 15 Nov 2018 10:50

Instrument :

MSVOA\_N

ClientSampleId :

PB114830TB

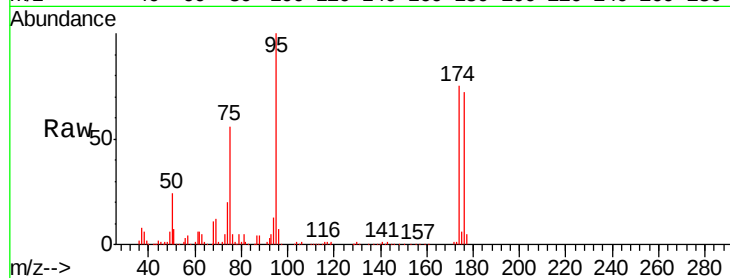
Tgt Ion: 95 Resp: 213637

Ion Ratio Lower Upper

95 100

174 75.6 0.0 156.0

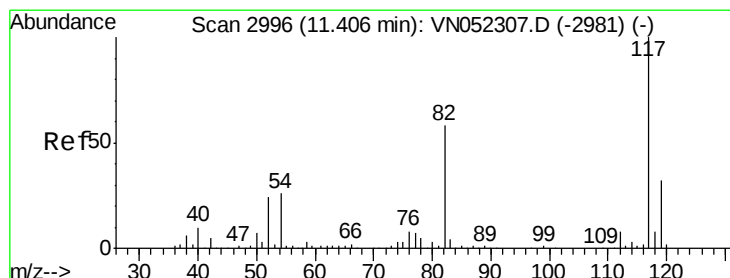
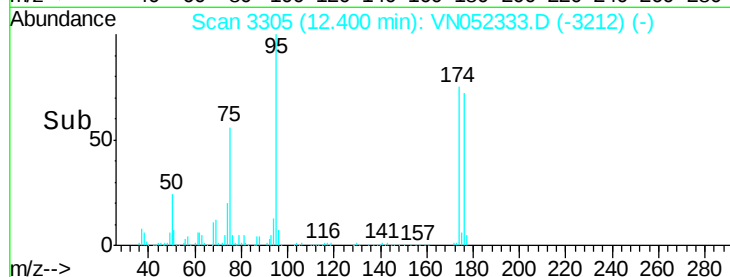
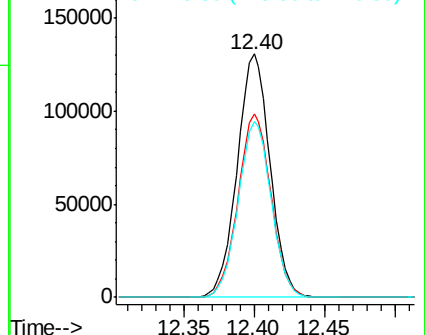
176 72.6 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052333.D

Acq: 15 Nov 2018 10:50

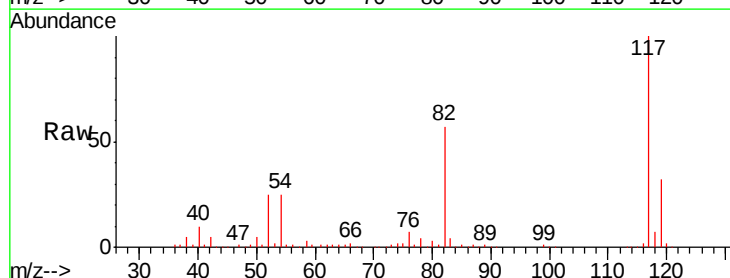
Tgt Ion: 117 Resp: 494098

Ion Ratio Lower Upper

117 100

82 57.4 46.5 69.7

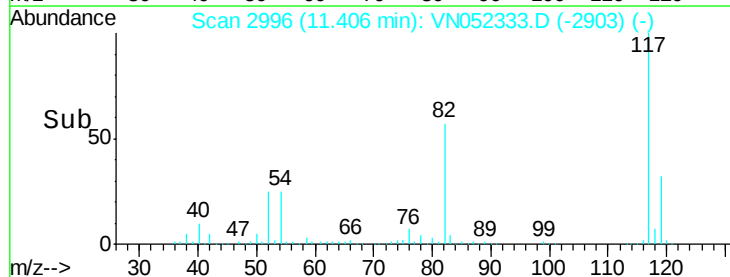
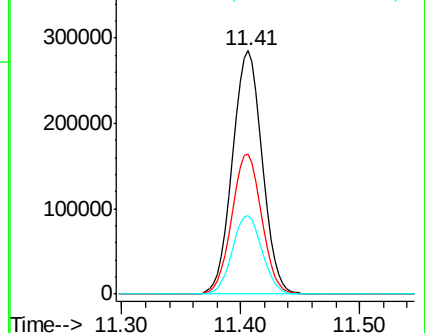
119 32.3 25.7 38.5

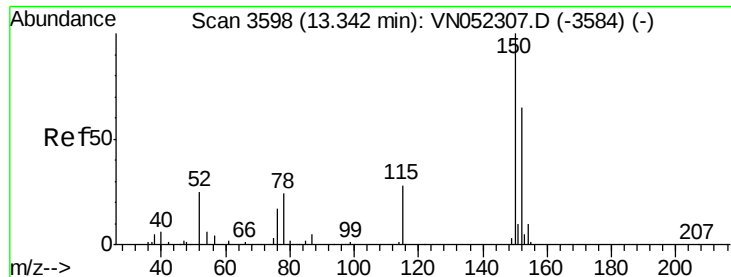


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052333.D

Acq: 15 Nov 2018 10:50

Instrument :

MSVOA\_N

ClientSampleId :

PB114830TB

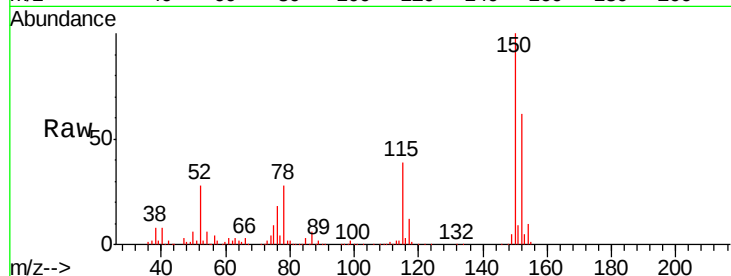
Tgt Ion:152 Resp: 167697

Ion Ratio Lower Upper

152 100

115 62.9 30.3 91.0

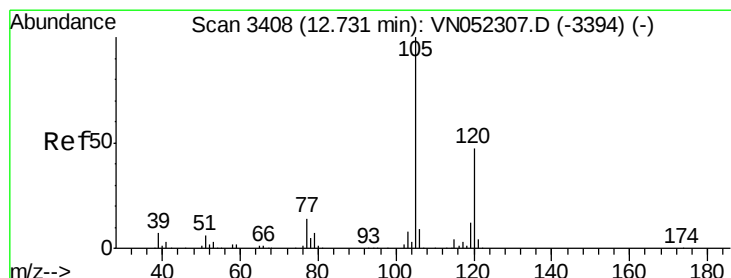
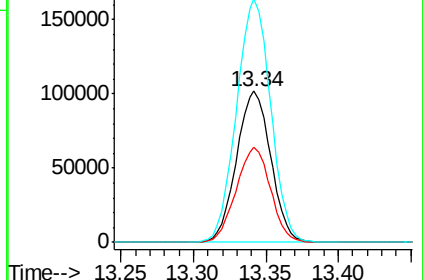
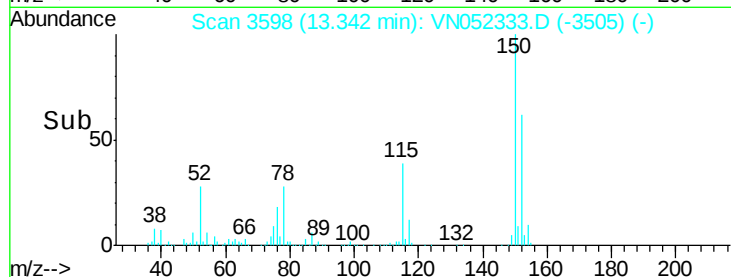
150 160.6 0.0 348.2



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



#80

1,3,5-Trimethylbenzene

Concen: 1.04 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052333.D

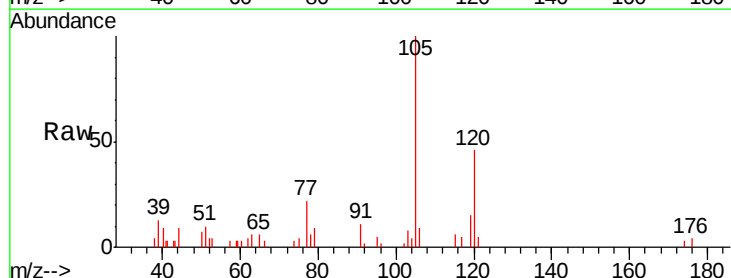
Acq: 15 Nov 2018 10:50

Tgt Ion:105 Resp: 11185

Ion Ratio Lower Upper

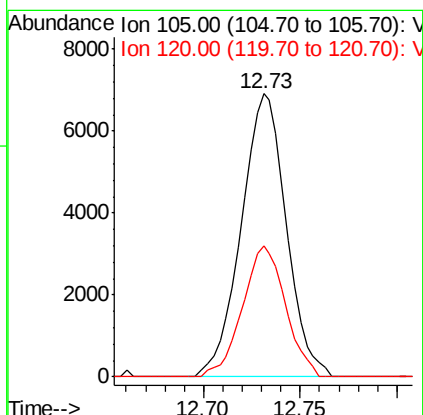
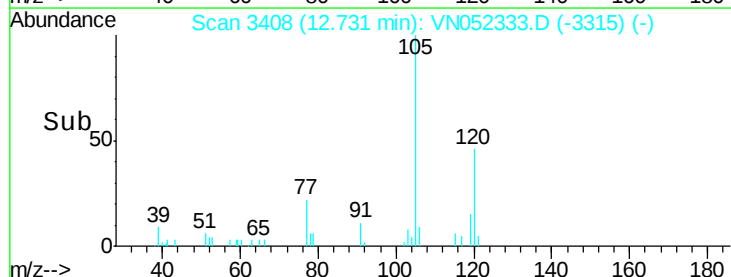
105 100

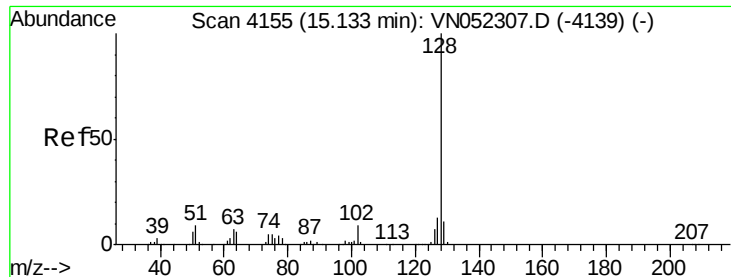
120 44.2 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 3.06 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052333.D

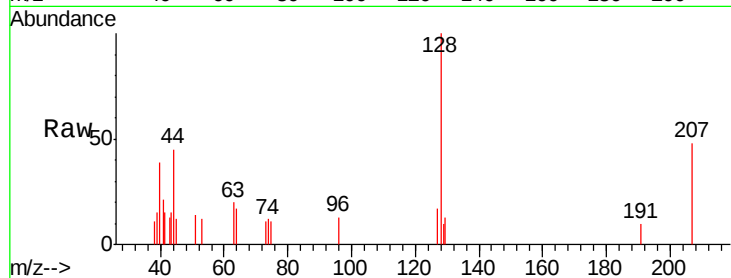
Acq: 15 Nov 2018 10:50

Instrument :

MSVOA\_N

ClientSampleId :

PB114830TB



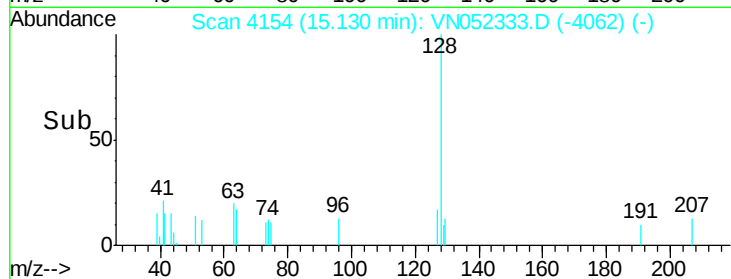
Tgt Ion:128 Resp: 2869

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 11.9 8.6 13.0



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

