

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\  
 Data File : VN055160.D  
 Acq On : 20 Apr 2019 00:37  
 Operator : JC/SP  
 Sample : K2199-16  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-03-041819-B

Quant Time: Apr 20 05:27:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 15 12:28:28 2019  
 Response via : Initial Calibration

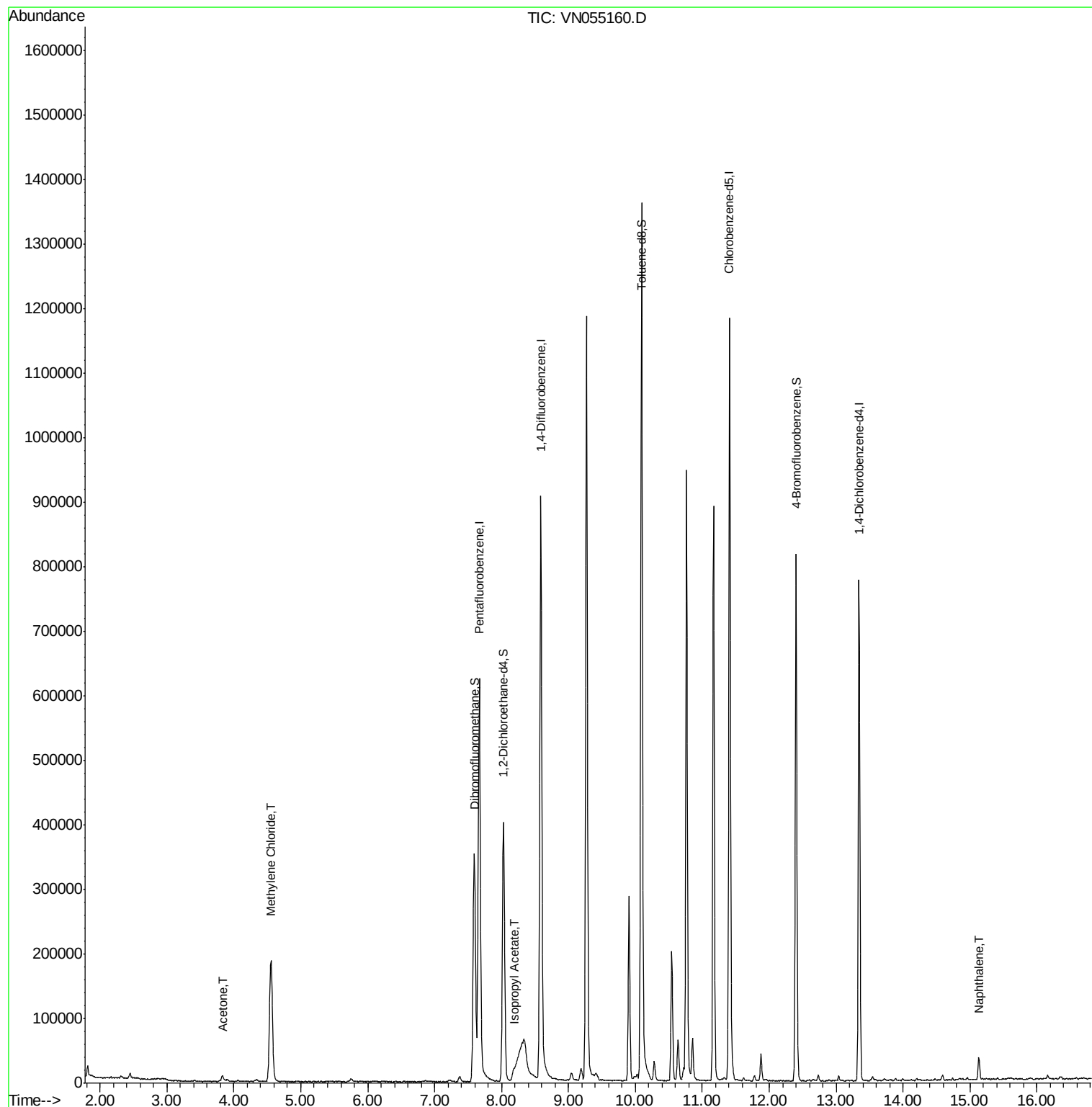
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 526440   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 835796   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 685012   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 208768   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 340543   | 48.66  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.32% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 270792   | 48.48  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.96% |          |
| 50) Toluene-d8              | 10.09 | 98   | 992024   | 49.62  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.24% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 276311   | 42.51  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.02% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 3.83  | 43   | 14103    | 7.425  | ug/l # | 84       |
| 20) Methylene Chloride      | 4.55  | 84   | 134091   | 20.083 | ug/l   | 97       |
| 43) Isopropyl Acetate       | 8.18  | 43   | 24118    | 2.440  | ug/l # | 86       |
| 95) Naphthalene             | 15.13 | 128  | 29180    | 6.736  | ug/l   | 98       |

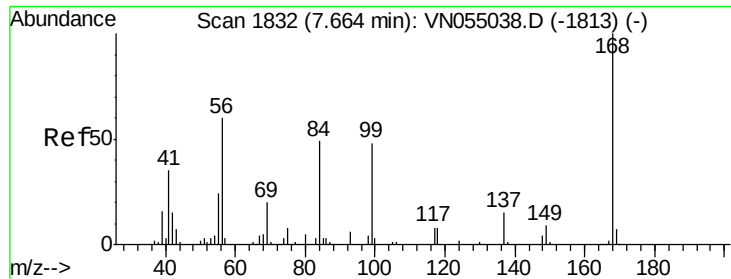
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041919\  
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QLast Update : Mon Apr 15 12:28:28 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: VN055160.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA\_N

ClientSampleId :

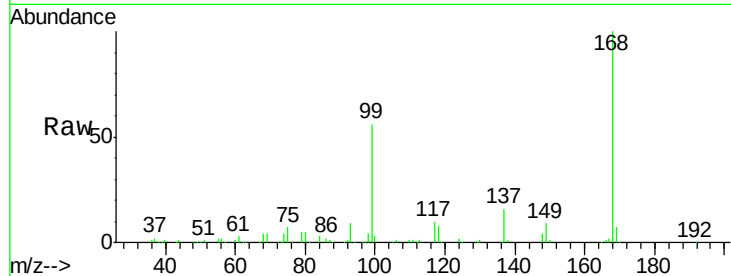
OR-03-041819-B

Tot Ion:168 Resp: 526440

Ion Ratio Lower Upper

168 100

99 55.6 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055160.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055160.D (-1739) (-)

7.67

250000

200000

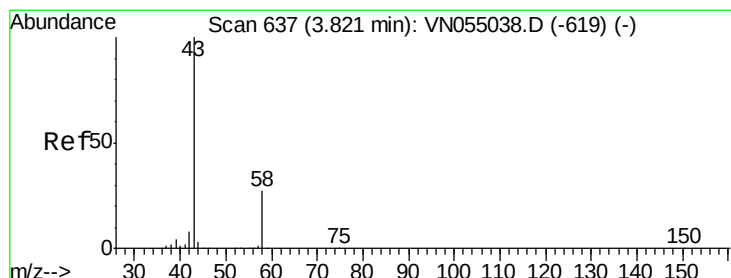
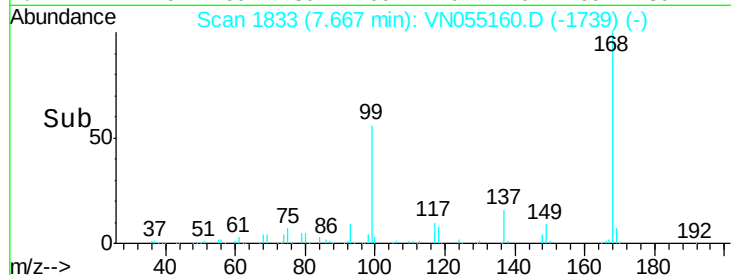
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.425 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055160.D

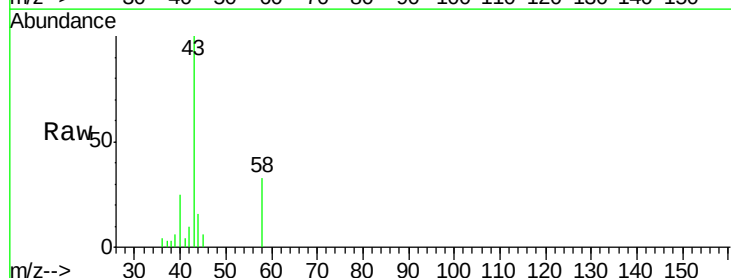
Acq: 20 Apr 2019 00:37

Tgt Ion: 43 Resp: 14103

Ion Ratio Lower Upper

43 100

58 34.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN055160.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN055160.D (-544) (-)

3.83

6000

5000

4000

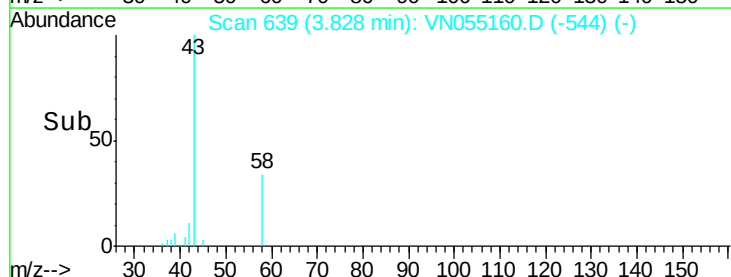
3000

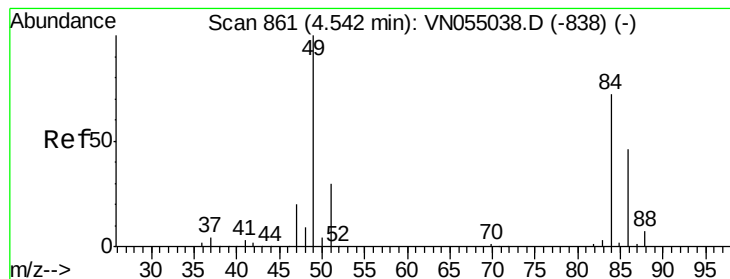
2000

1000

0

Time-->





#20

Methvlene Chloride

Concen: 20.083 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.01 min

Lab File: VN055160.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA\_N

ClientSampleId :

OR-03-041819-B

Tot Ion: 84 Resp: 134091

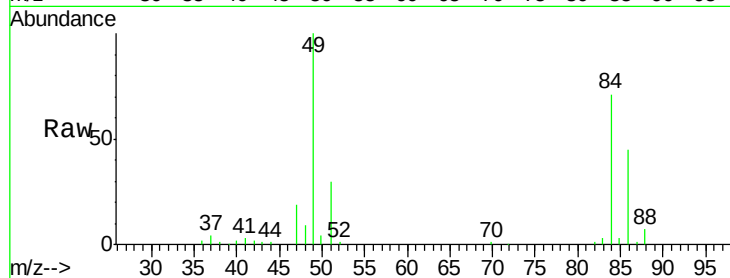
Ion Ratio Lower Upper

84 100

49 140.7 109.4 164.2

51 41.8 32.2 48.4

86 63.0 49.3 73.9

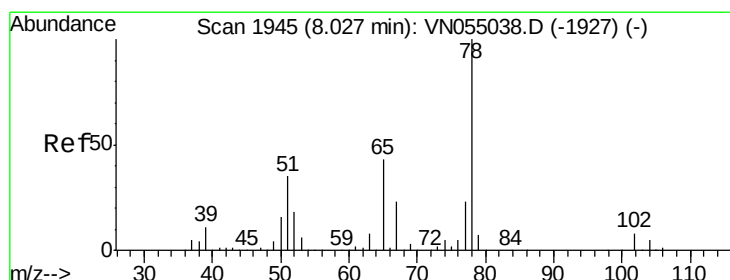
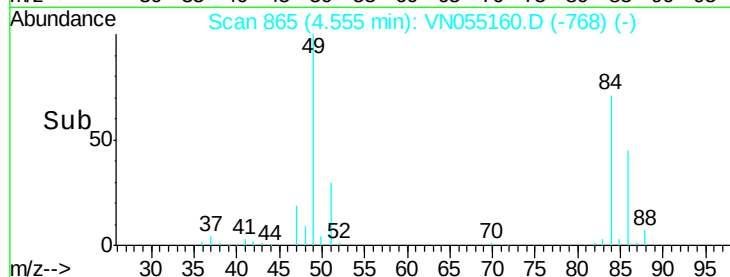
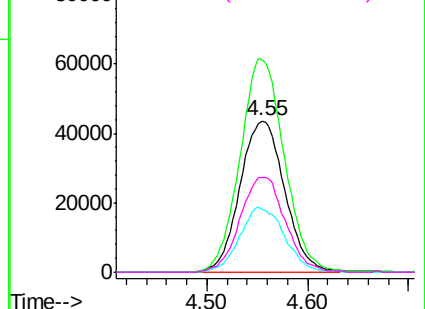


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.665 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055160.D

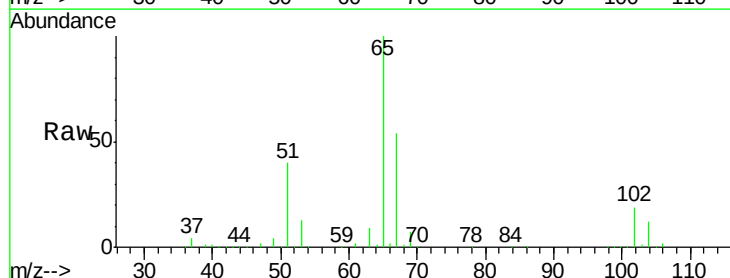
Acq: 20 Apr 2019 00:37

Tgt Ion: 65 Resp: 340543

Ion Ratio Lower Upper

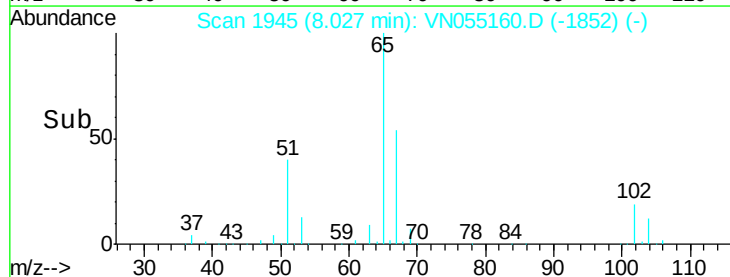
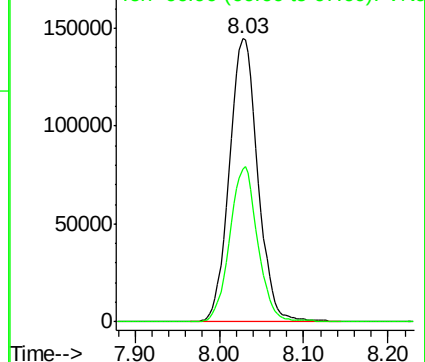
65 100

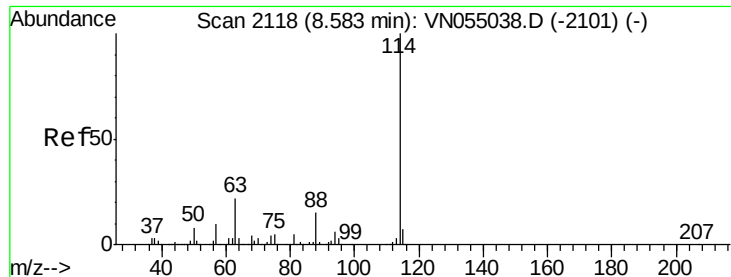
67 53.9 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055160.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA\_N

ClientSampleId :

OR-03-041819-B

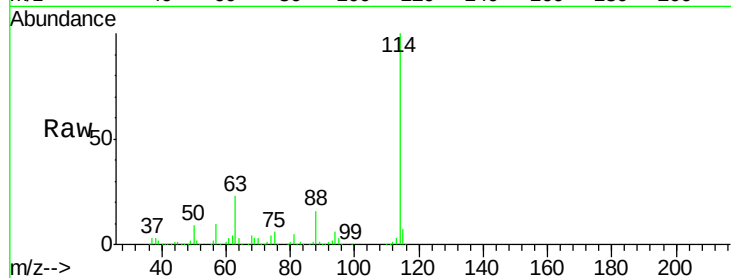
Tot Ion:114 Resp: 835796

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.2

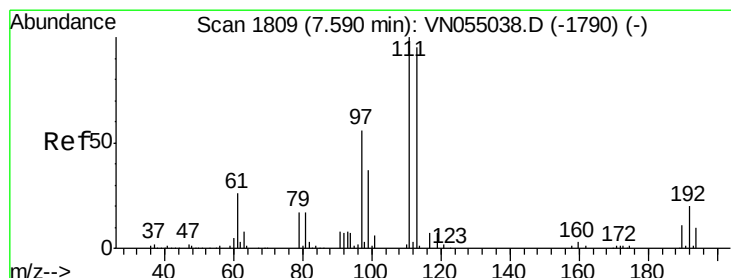
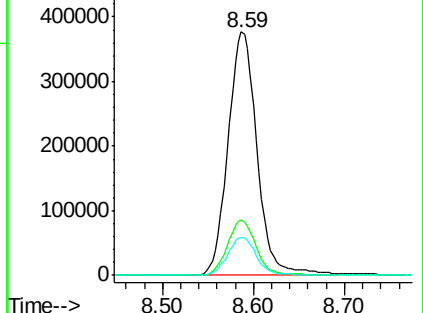
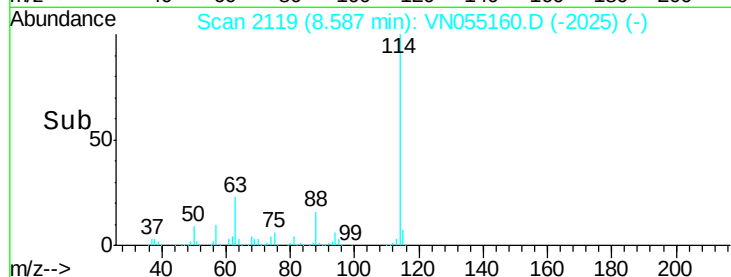
88 15.7 0.0 31.8



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: 48.480 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055160.D

Acq: 20 Apr 2019 00:37

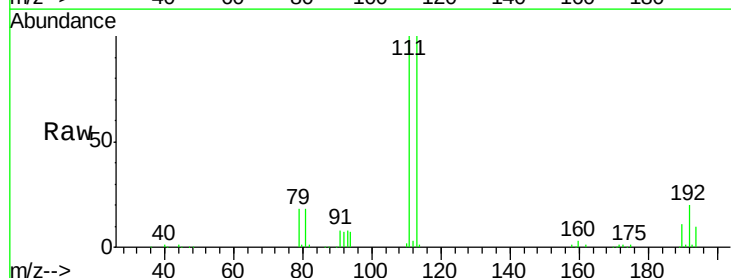
Tgt Ion:113 Resp: 270792

Ion Ratio Lower Upper

113 100

111 101.6 82.1 123.1

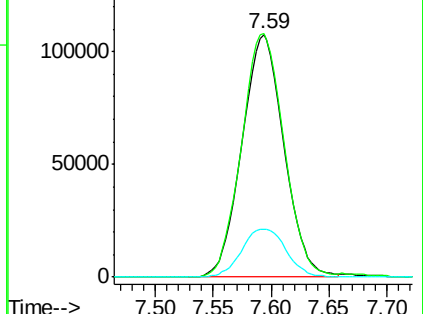
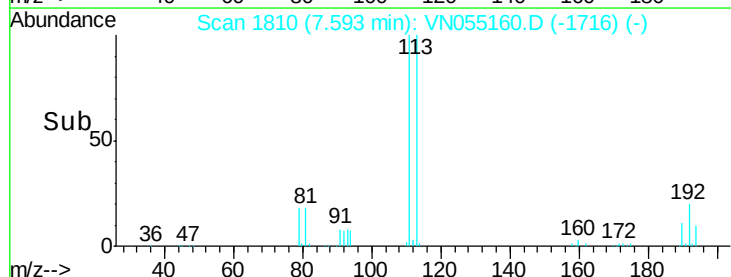
192 21.0 16.5 24.7

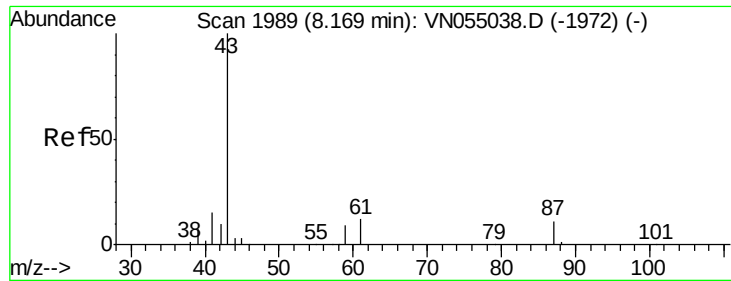


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.440 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.01 min

Lab File: VN055160.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA\_N

ClientSampleId :

OR-03-041819-B

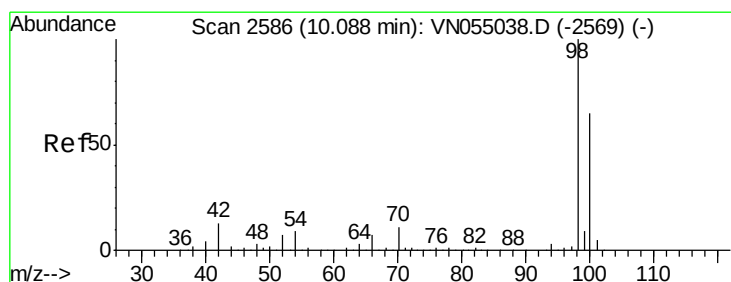
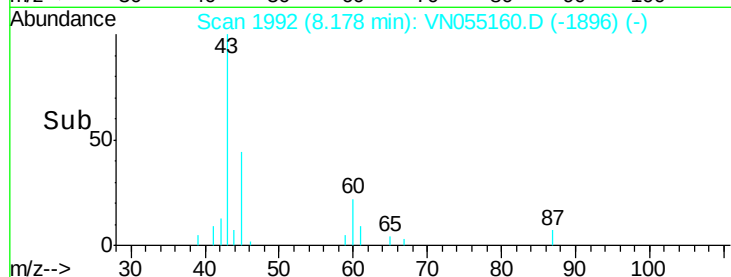
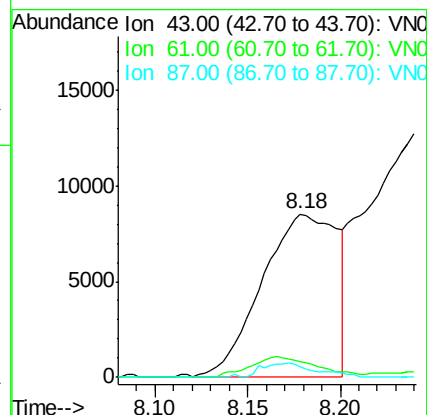
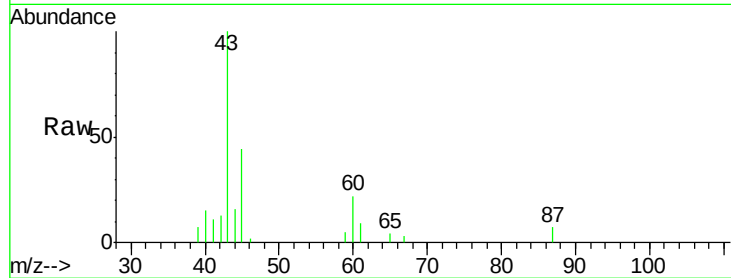
Tot Ion: 43 Resp: 24118

Ion Ratio Lower Upper

43 100

61 11.3 14.3 21.5#

87 6.3 8.6 13.0#



#50

Toluene-d8

Concen: 49.622 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055160.D

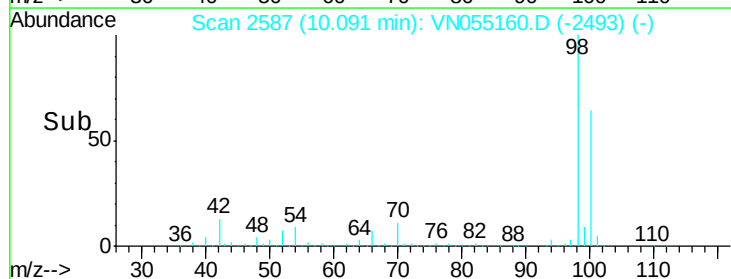
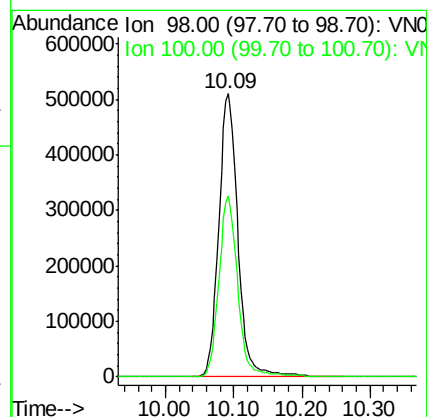
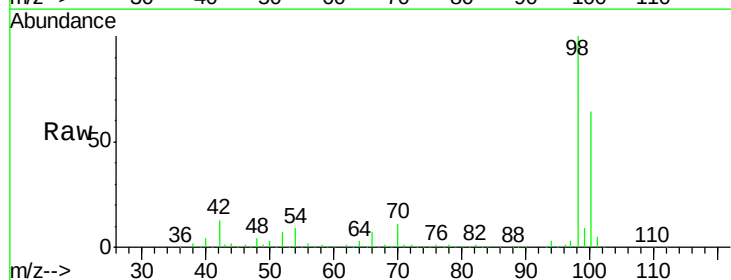
Acq: 20 Apr 2019 00:37

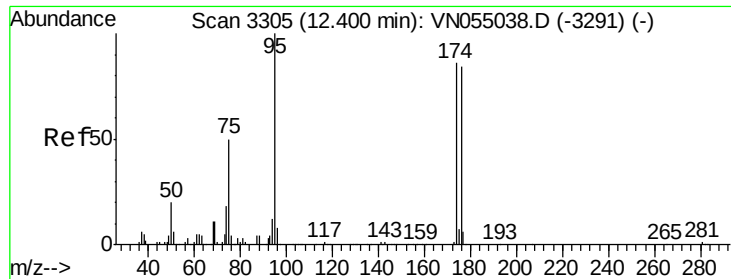
Tgt Ion: 98 Resp: 992024

Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7

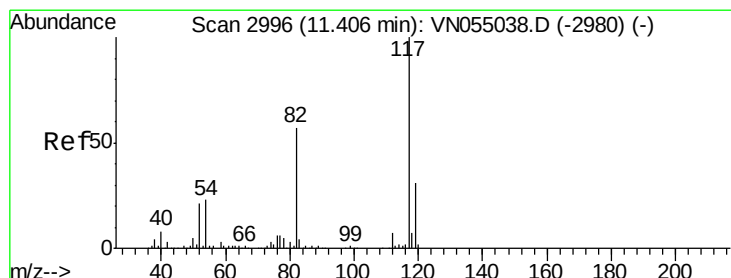
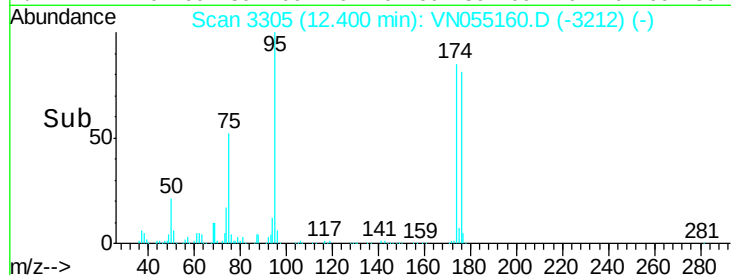
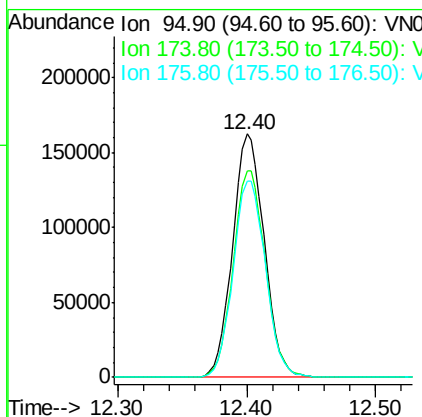
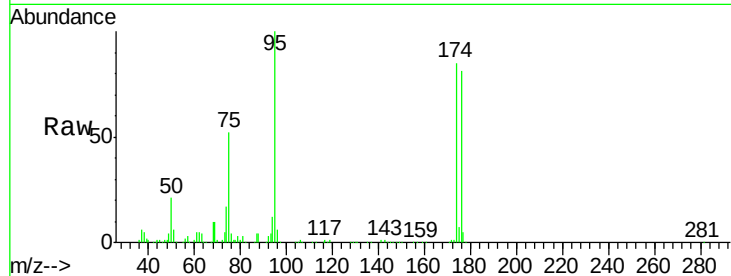




#62  
4-Bromofluorobenzene  
Concen: 42.514 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN055160.D  
Acq: 20 Apr 2019 00:37

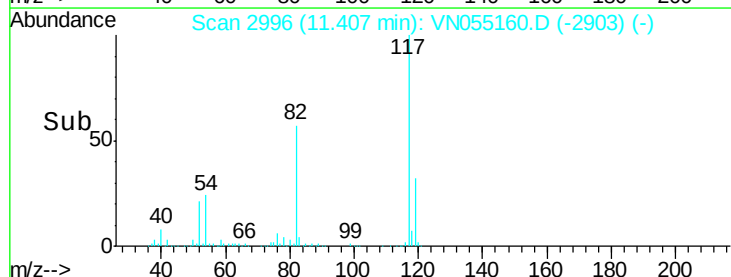
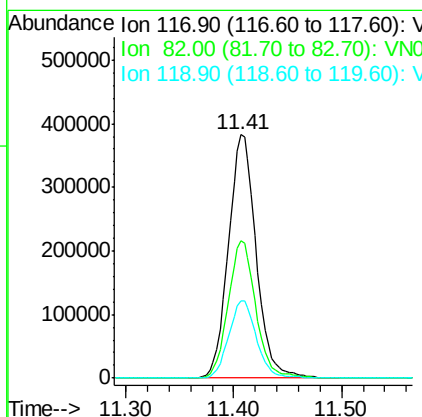
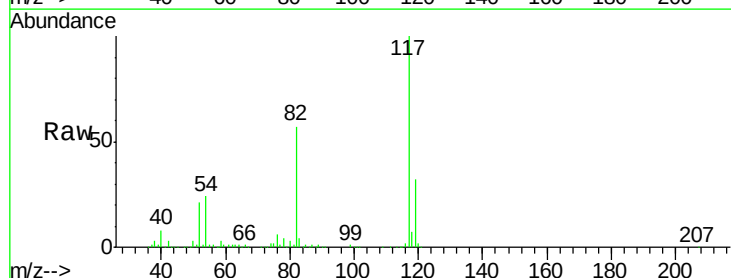
Instrument :  
MSVOA\_N  
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OR-03-041819-B

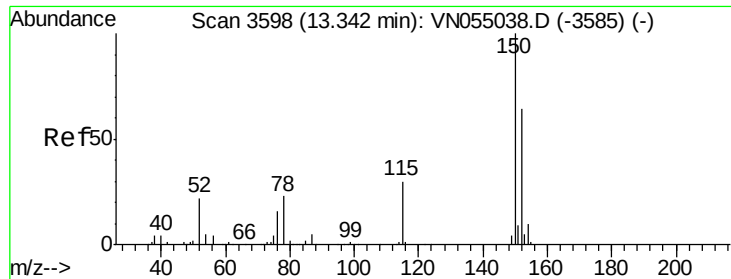
Tot Ion: 95 Resp: 276311  
Ion Ratio Lower Upper  
95 100  
174 86.7 0.0 174.4  
176 82.7 0.0 166.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055160.D  
Acq: 20 Apr 2019 00:37

Tgt Ion: 117 Resp: 685012  
Ion Ratio Lower Upper  
117 100  
82 56.6 44.6 66.8  
119 31.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055160.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA\_N

ClientSampleId :

OR-03-041819-B

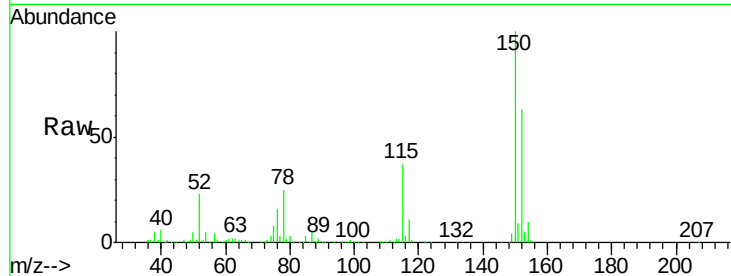
Tot Ion:152 Resp: 208768

Ion Ratio Lower Upper

152 100

115 58.6 28.5 85.6

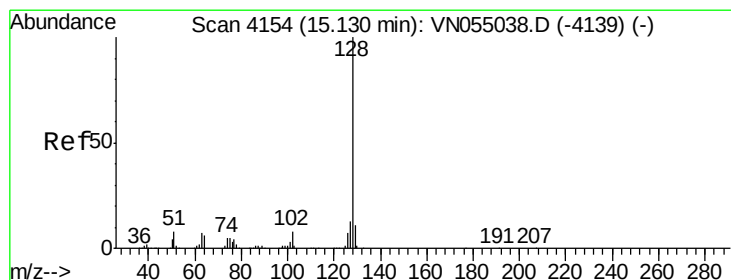
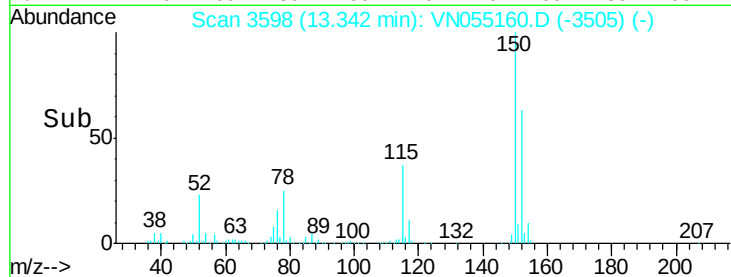
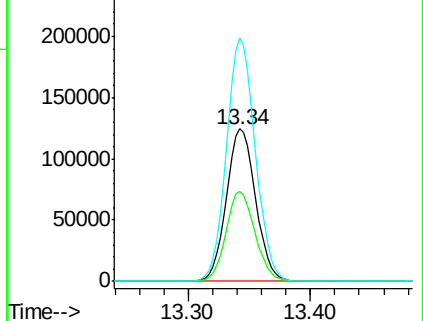
150 157.2 0.0 347.2



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: 6.736 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055160.D

Acq: 20 Apr 2019 00:37

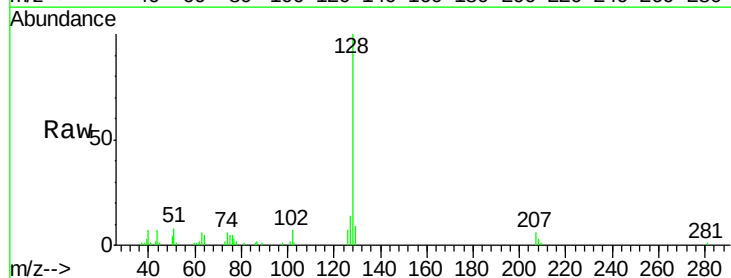
Tgt Ion:128 Resp: 29180

Ion Ratio Lower Upper

128 100

127 13.8 10.1 15.1

129 11.0 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

