

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\  
 Data File : VN055303.D  
 Acq On : 30 Apr 2019 13:04  
 Operator : JC/SP  
 Sample : K2194-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 JC-03-042919-A

Quant Time: May 01 08:58:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:16:52 2019  
 Response via : Initial Calibration

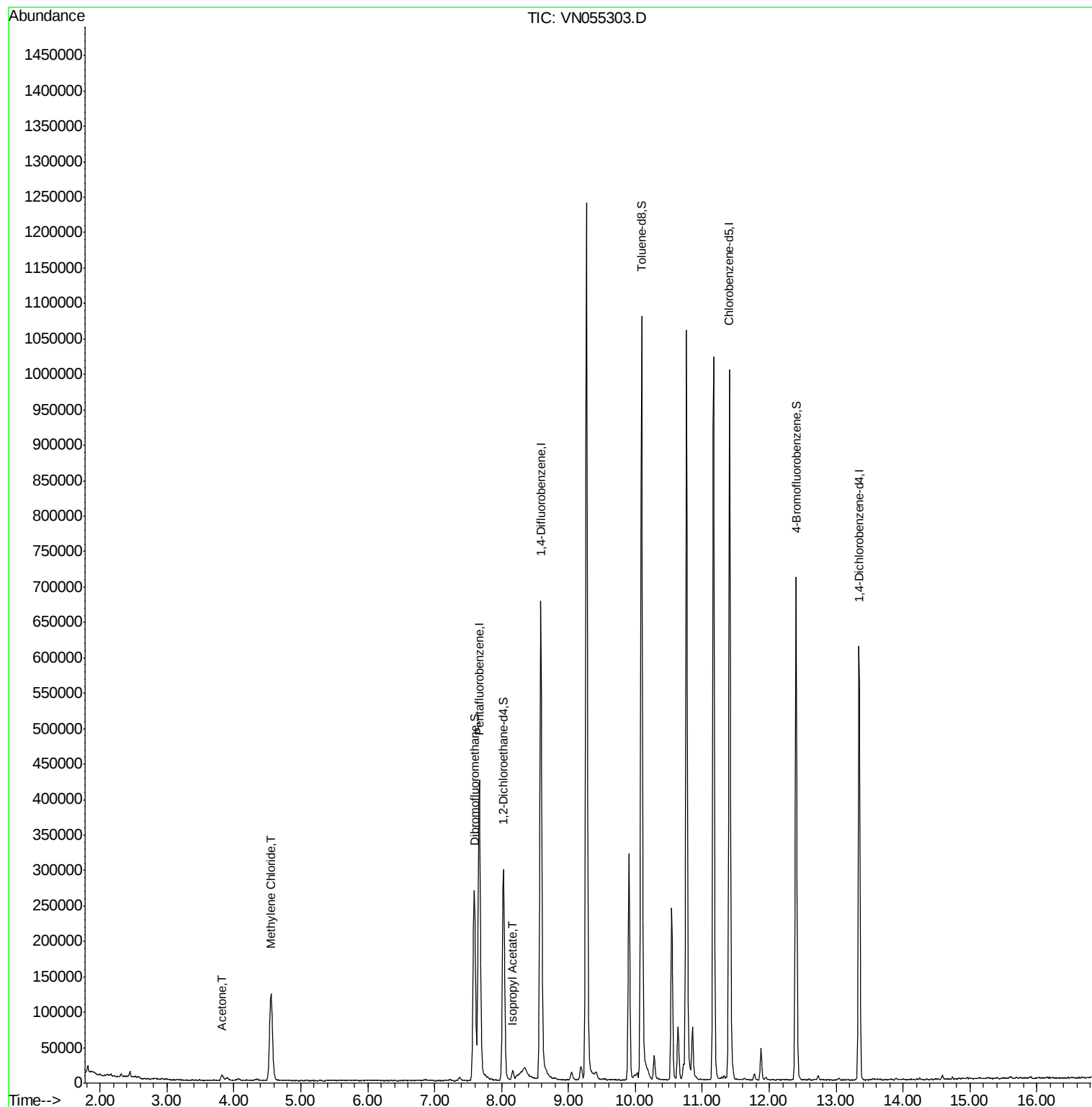
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 366114   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 630836   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 577539   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 165611   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 255790   | 53.41  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.82% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 207483   | 50.11  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.22% |          |
| 50) Toluene-d8              | 10.09 | 98   | 784425   | 52.47  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.94% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 243015   | 52.01  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.02% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 12558    | 8.415  | ug/l    | 94       |
| 20) Methylene Chloride      | 4.55  | 84   | 84895    | 18.637 | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 15242    | 2.048  | ug/l #  | 87       |

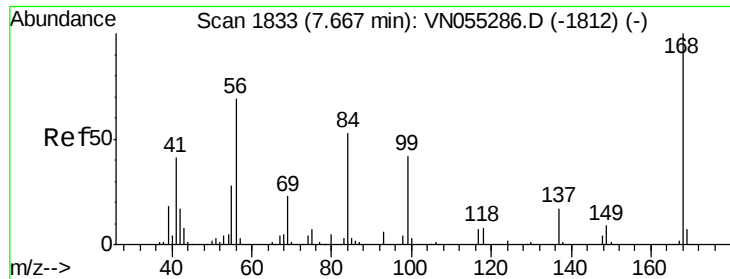
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN043019\  
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JC-03-042919-A

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Quant Title : SW846 8260  
QLast Update : Tue Apr 30 07:16:52 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: VN055303.D

Acq: 30 Apr 2019 13:04

Instrument :

MSVOA\_N

ClientSampleId :

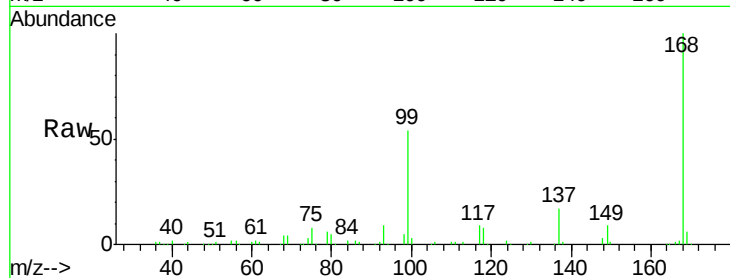
JC-03-042919-A

Tot Ion:168 Resp: 366114

Ion Ratio Lower Upper

168 100

99 54.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

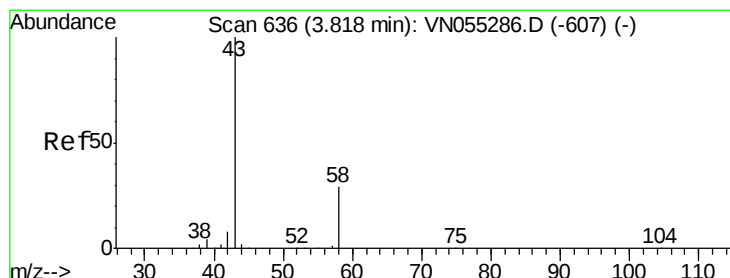
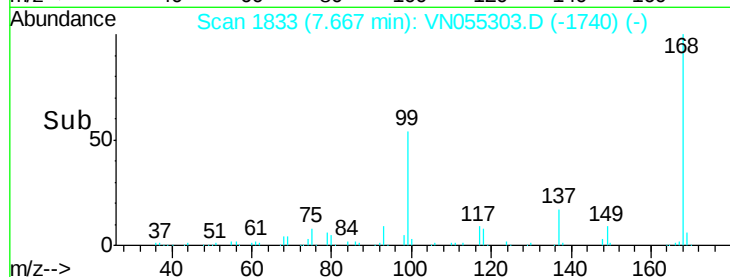
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 8.415 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055303.D

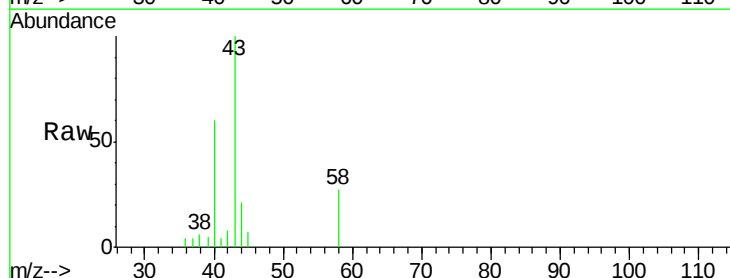
Acq: 30 Apr 2019 13:04

Tgt Ion: 43 Resp: 12558

Ion Ratio Lower Upper

43 100

58 26.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

5000

4000

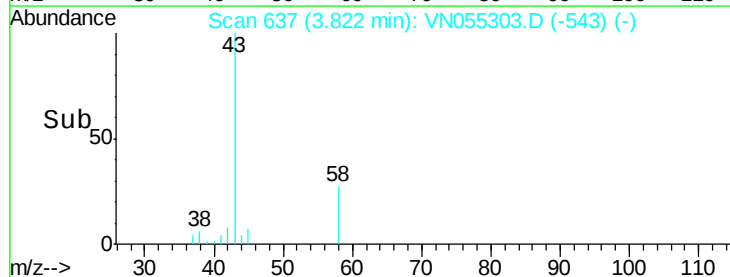
3000

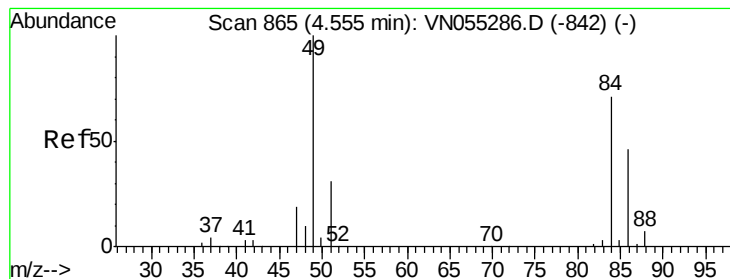
2000

1000

0

Time-->





#20

Methylene Chloride

Concen: 18.637 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN055303.D

Acq: 30 Apr 2019 13:04

Instrument :

MSVOA\_N

ClientSampleId :

JC-03-042919-A

Tot Ion: 84 Resp: 84895

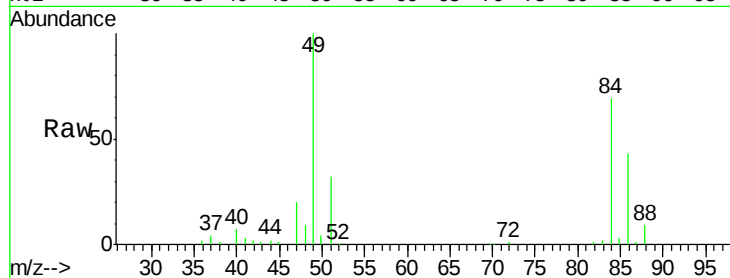
Ion Ratio Lower Upper

84 100

49 145.1 112.4 168.6

51 46.9 34.6 51.8

86 63.0 51.9 77.9

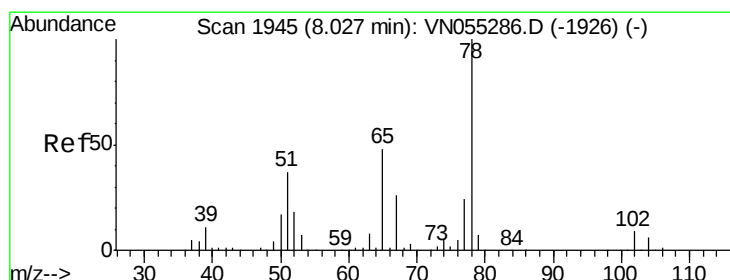
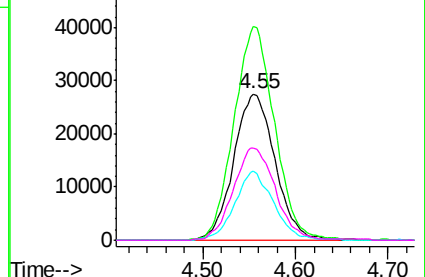
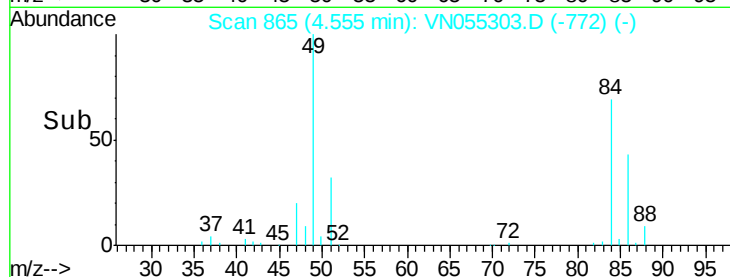


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 53.405 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055303.D

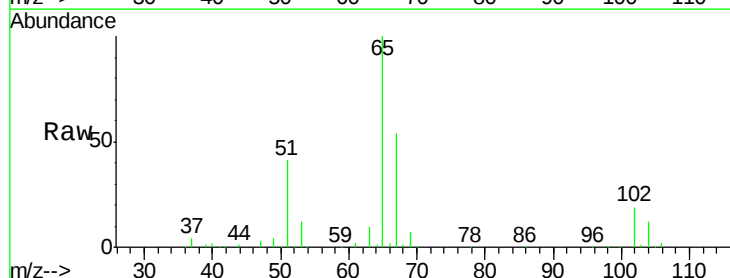
Acq: 30 Apr 2019 13:04

Tgt Ion: 65 Resp: 255790

Ion Ratio Lower Upper

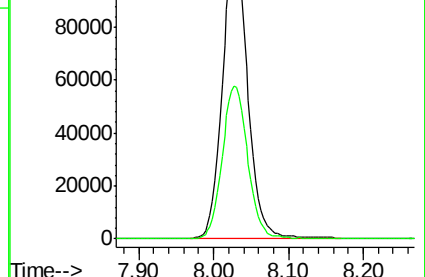
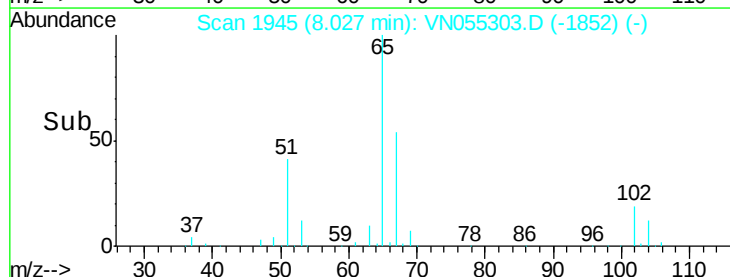
65 100

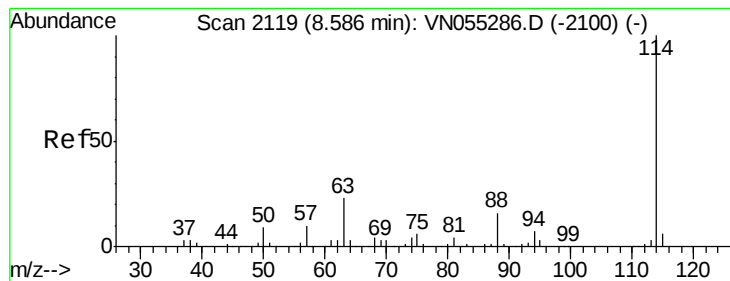
67 53.1 0.0 106.8



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: VN055303.D

Acq: 30 Apr 2019 13:04

Instrument :

MSVOA\_N

ClientSampleId :

JC-03-042919-A

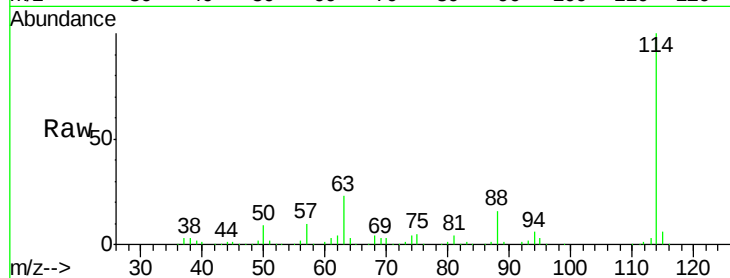
Tot Ion:114 Resp: 630836

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.2

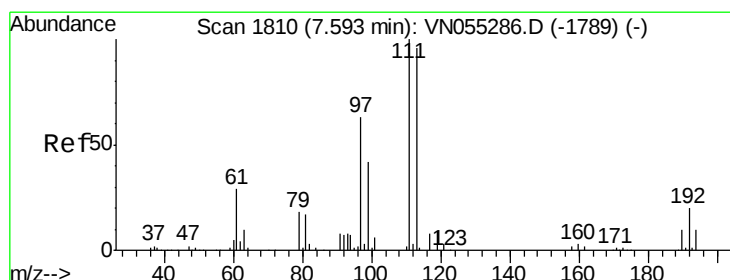
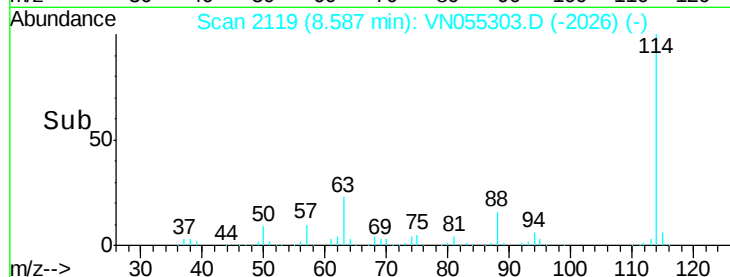
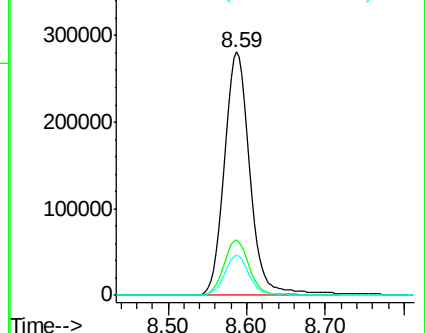
88 16.4 0.0 31.6



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: 50.109 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055303.D

Acq: 30 Apr 2019 13:04

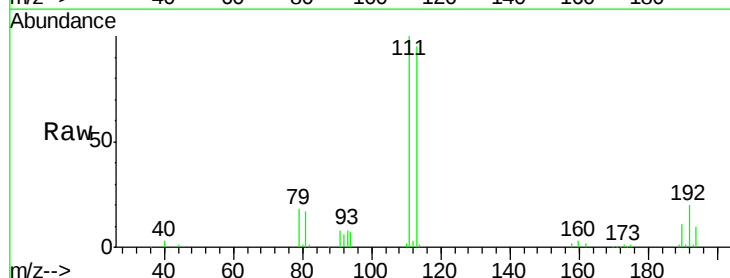
Tgt Ion:113 Resp: 207483

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

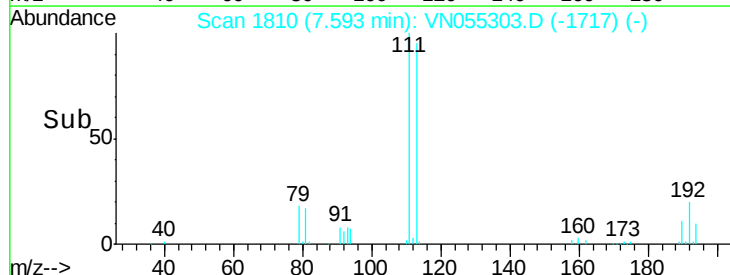
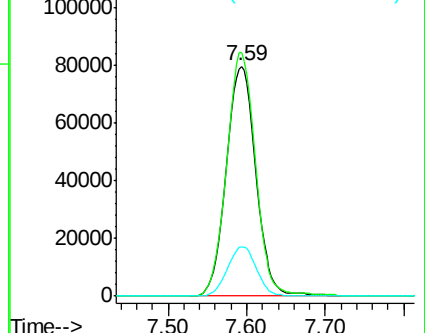
192 21.0 17.0 25.6

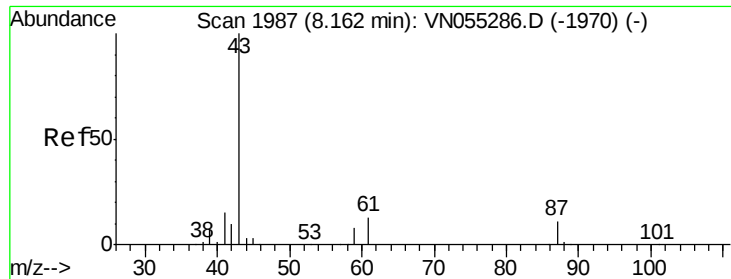


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.048 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055303.D

Acq: 30 Apr 2019 13:04

Instrument :

MSVOA\_N

ClientSampleId :

JC-03-042919-A

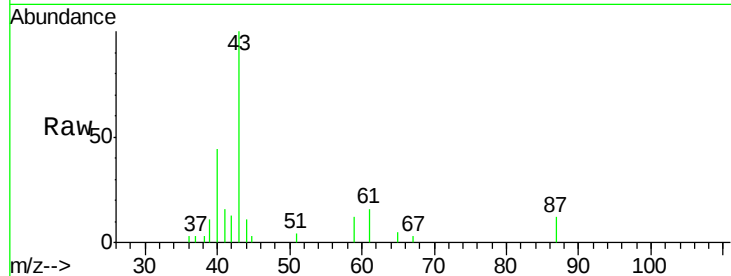
Tot Ion: 43 Resp: 15242

Ion Ratio Lower Upper

43 100

61 18.0 20.8 31.2#

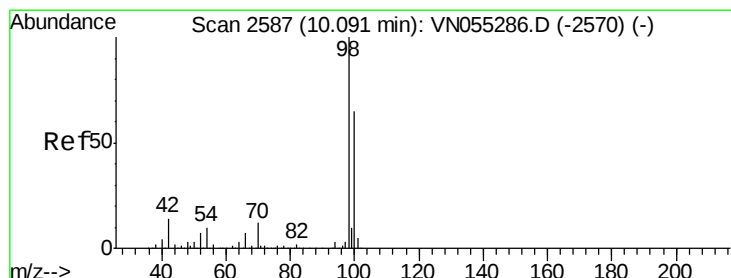
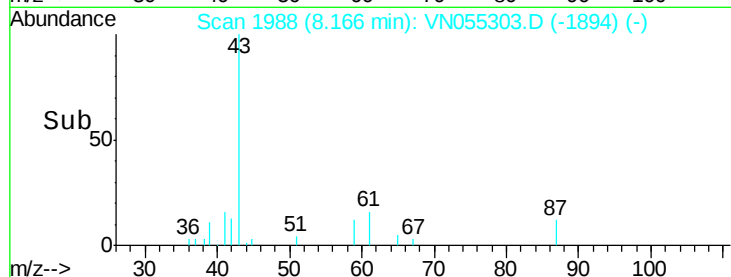
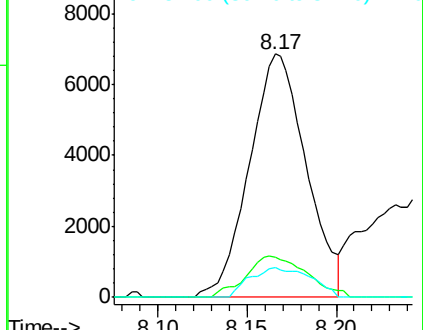
87 13.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055286.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055286.D (-1970) (-)



#50

Toluene-d8

Concen: 52.466 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055303.D

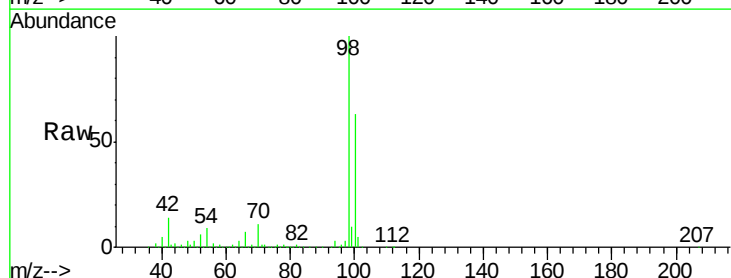
Acq: 30 Apr 2019 13:04

Tgt Ion: 98 Resp: 784425

Ion Ratio Lower Upper

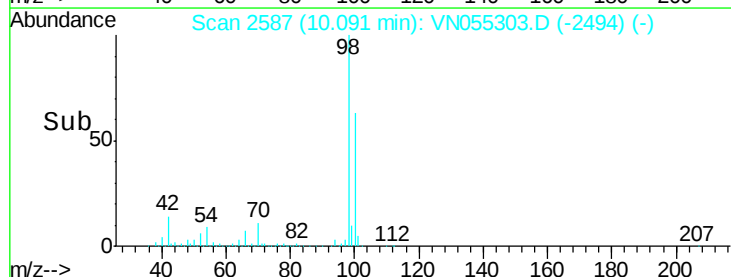
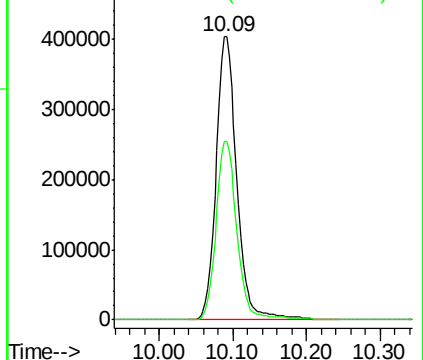
98 100

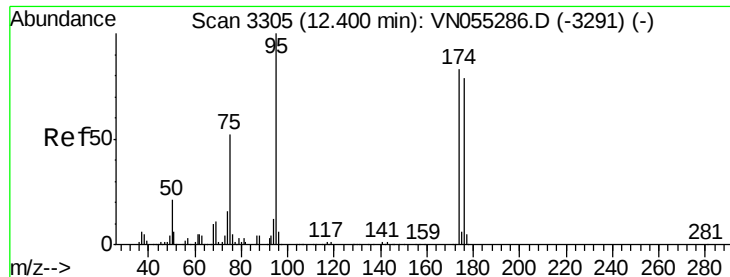
100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055286.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055286.D (-2570) (-)





#62

4-Bromofluorobenzene

Concen: 52.006 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055303.D

Acq: 30 Apr 2019 13:04

Instrument :

MSVOA\_N

ClientSampleId :

JC-03-042919-A

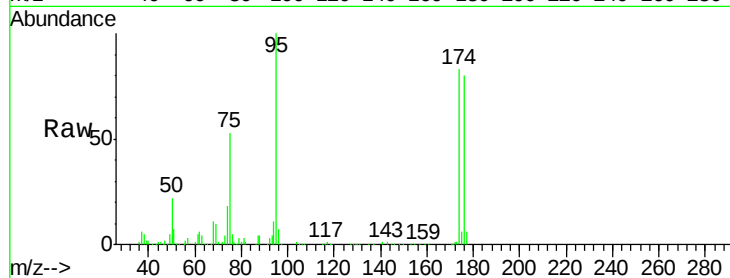
Tot Ion: 95 Resp: 243015

Ion Ratio Lower Upper

95 100

174 83.8 0.0 166.6

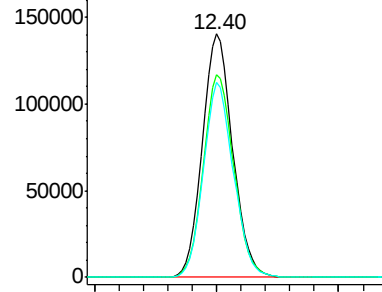
176 79.2 0.0 157.8



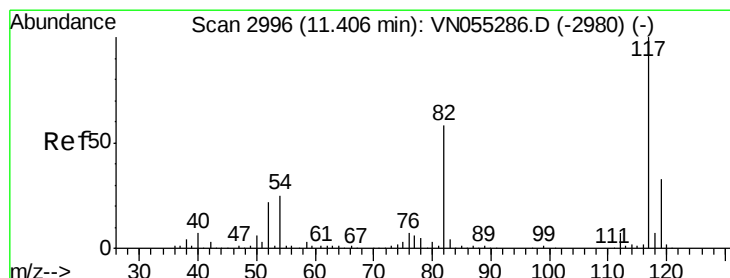
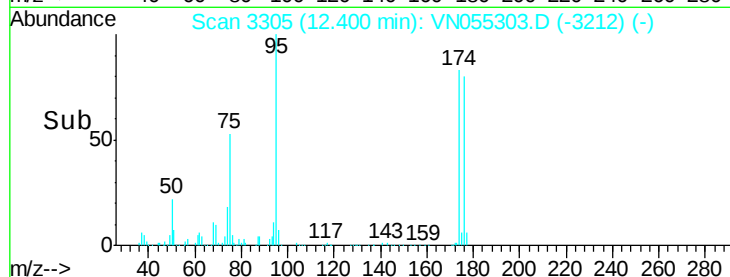
Abundance Ion 94.90 (94.60 to 95.60): VN055286.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055286.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055286.D (-3291) (-)



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055303.D

Acq: 30 Apr 2019 13:04

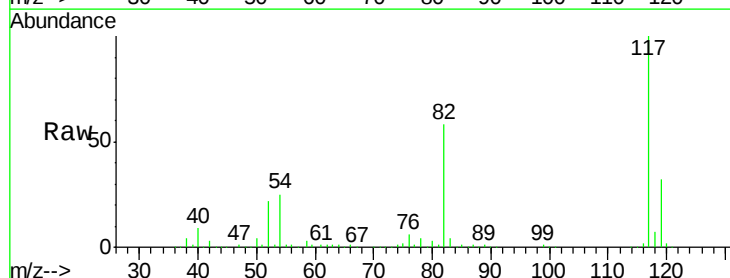
Tgt Ion: 117 Resp: 577539

Ion Ratio Lower Upper

117 100

82 58.4 46.2 69.4

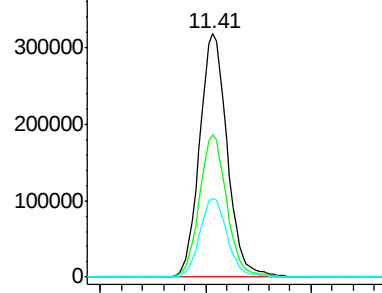
119 32.3 26.6 40.0



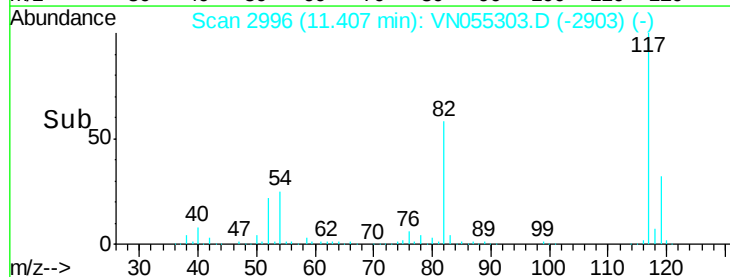
Abundance Ion 116.90 (116.60 to 117.60): VN055286.D (-2980) (-)

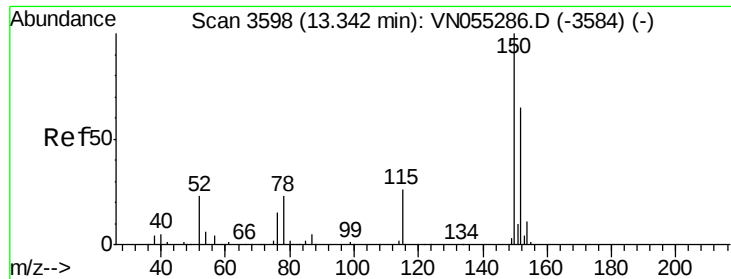
Ion 82.00 (81.70 to 82.70): VN055286.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055286.D (-2980) (-)



Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055303.D

Acq: 30 Apr 2019 13:04

Instrument :

MSVOA\_N

ClientSampleId :

JC-03-042919-A

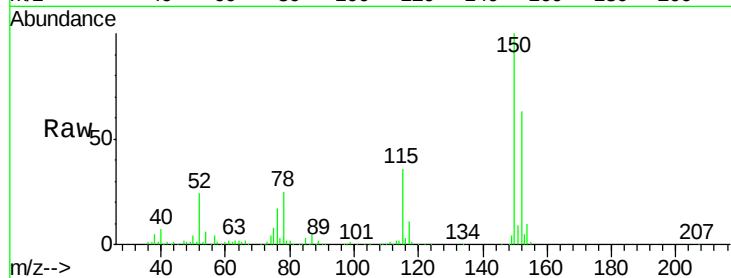
Tot Ion:152 Resp: 165611

Ion Ratio Lower Upper

152 100

115 56.7 29.0 87.0

150 157.0 0.0 345.6



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

