

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\  
 Data File : VN055309.D  
 Acq On : 30 Apr 2019 15:36  
 Operator : JC/SP  
 Sample : K2194-12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: May 01 09:07:06 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

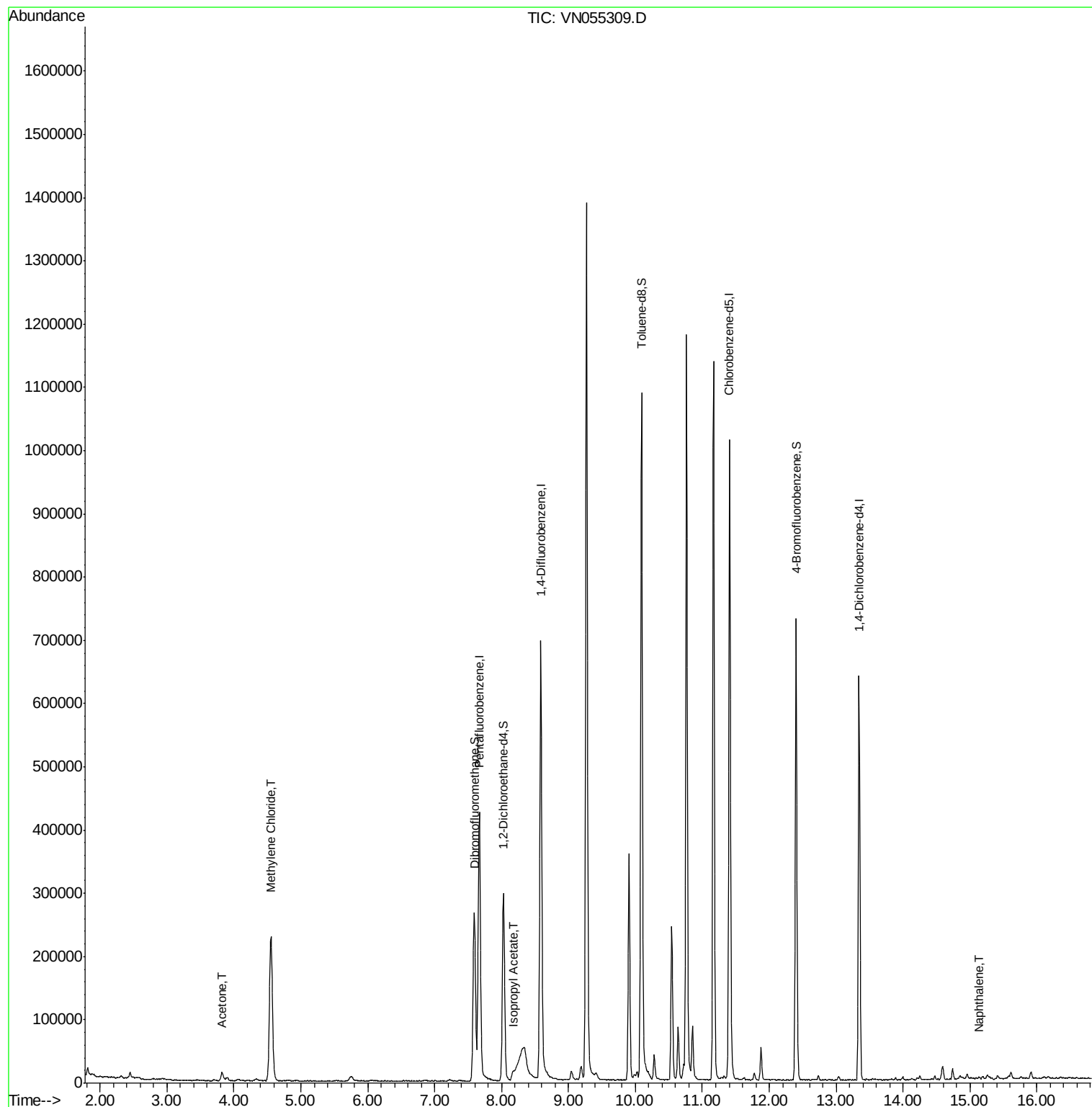
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 357934   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 627523   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 581187   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 175023   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 254260   | 54.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.60% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 207390   | 50.35  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.70% |          |
| 50) Toluene-d8              | 10.09 | 98   | 780870   | 52.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.00% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 249070   | 53.58  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.16% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 21921    | 15.024 | ug/l    | 93       |
| 20) Methylene Chloride      | 4.55  | 84   | 158994   | 35.701 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 17588    | 2.376  | ug/l #  | 89       |
| 95) Naphthalene             | 15.13 | 128  | 2619     | 3.831  | ug/l #  | 86       |

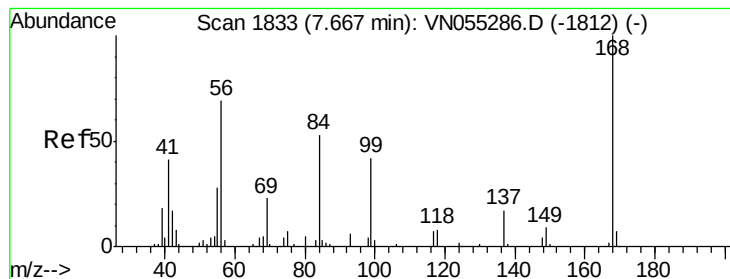
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA\_N

ClientSampleId :

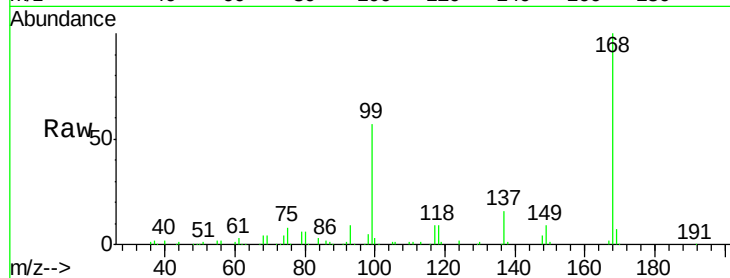
JC-03-042919-F

Tot Ion:168 Resp: 357934

Ion Ratio Lower Upper

168 100

99 56.7 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

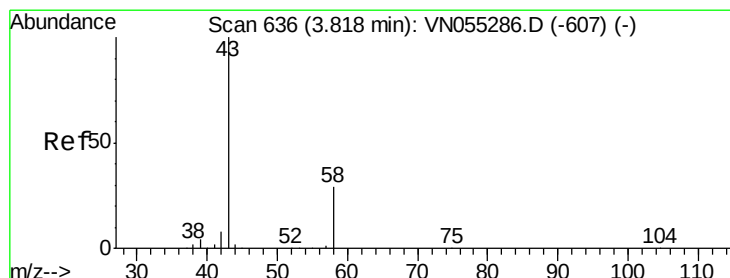
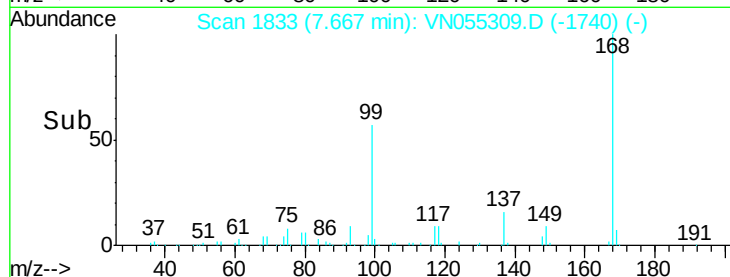
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 15.024 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055309.D

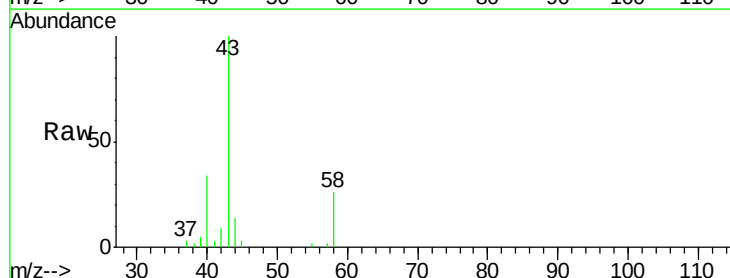
Acq: 30 Apr 2019 15:36

Tgt Ion: 43 Resp: 21921

Ion Ratio Lower Upper

43 100

58 25.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

8000

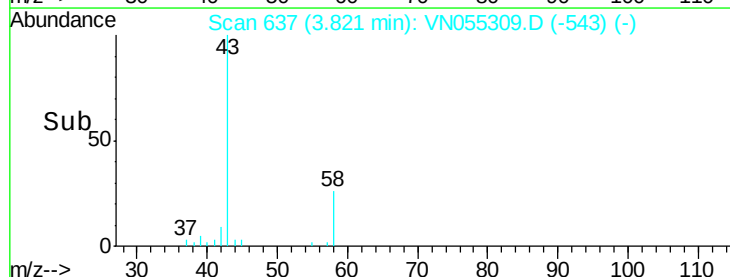
6000

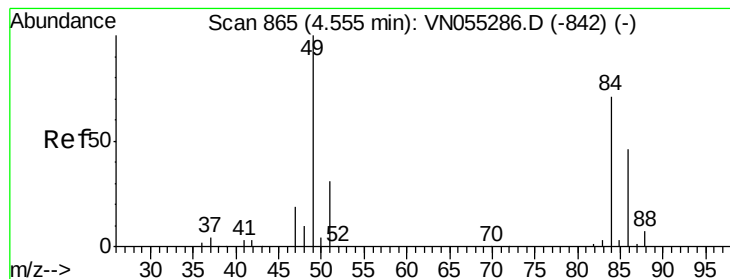
4000

2000

0

Time-->





#20

Methylene Chloride

Concen: 35.701 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA\_N

ClientSampleId :

JC-03-042919-F

Tot Ion: 84 Resp: 158994

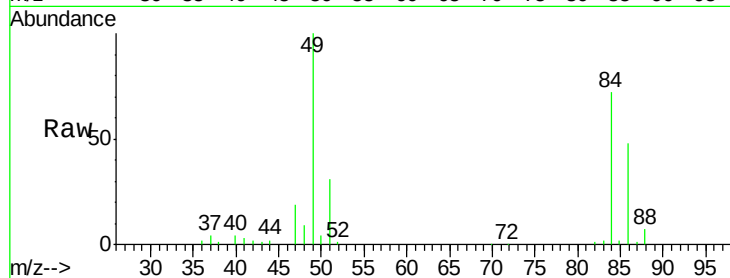
Ion Ratio Lower Upper

84 100

49 138.0 112.4 168.6

51 42.9 34.6 51.8

86 65.8 51.9 77.9

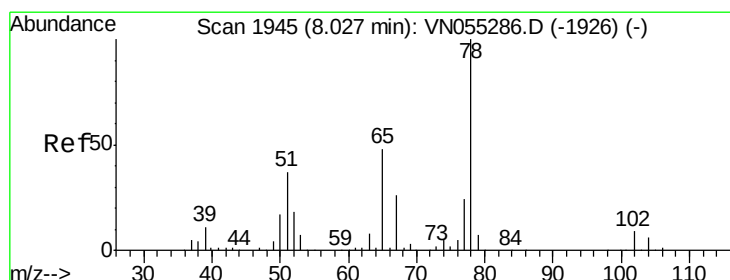
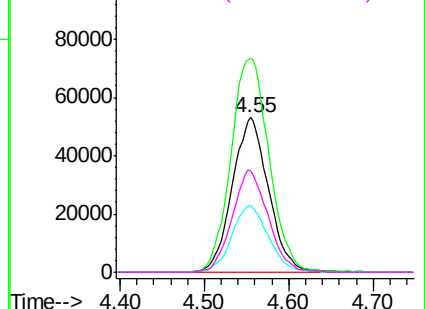
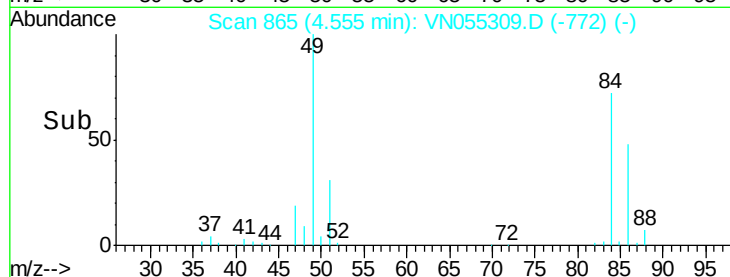


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 54.299 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055309.D

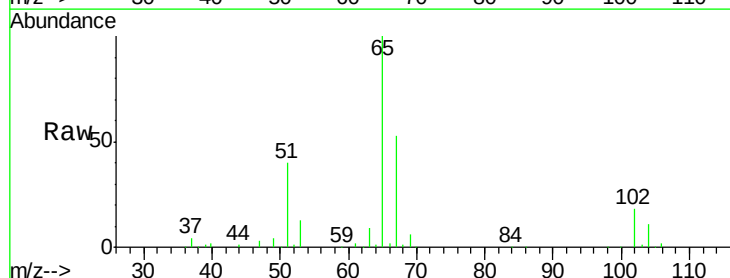
Acq: 30 Apr 2019 15:36

Tgt Ion: 65 Resp: 254260

Ion Ratio Lower Upper

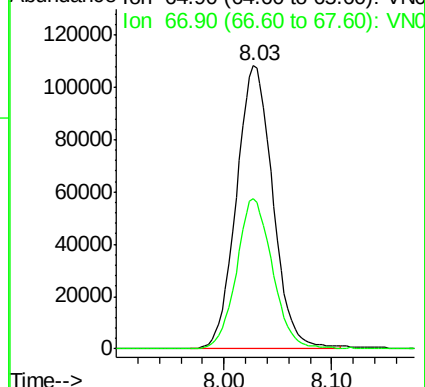
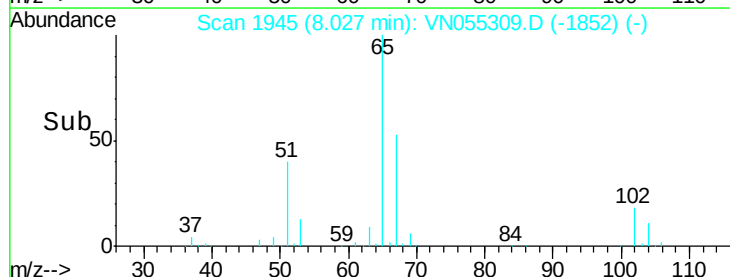
65 100

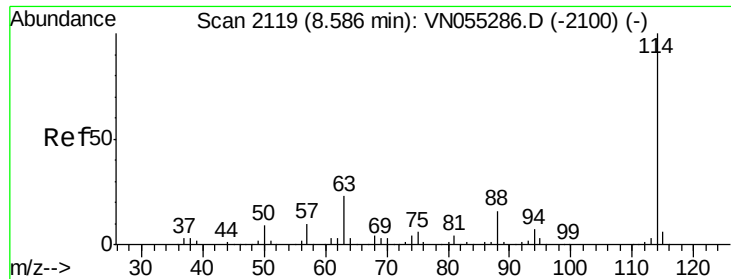
67 52.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

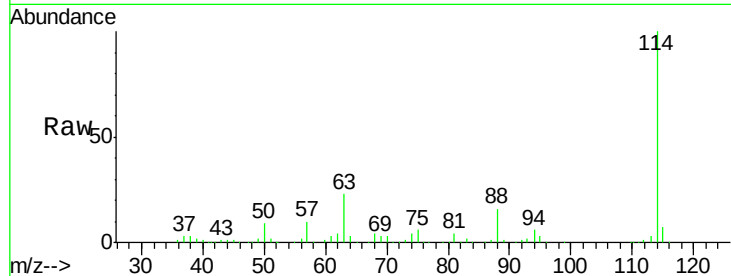




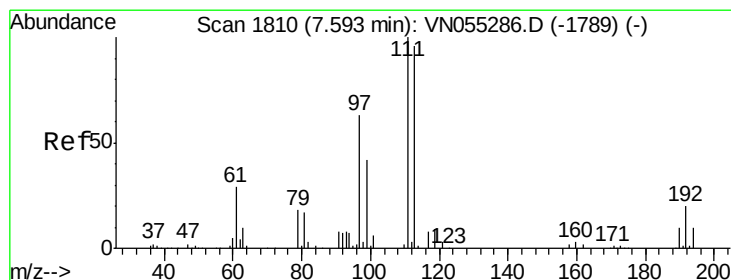
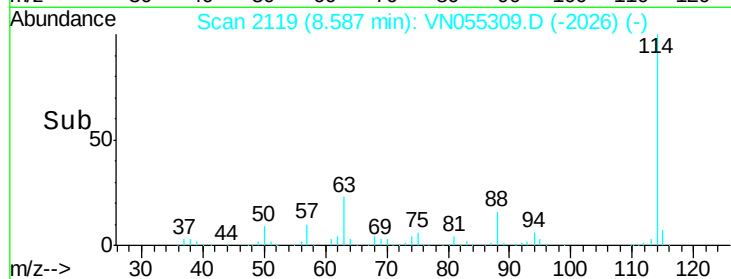
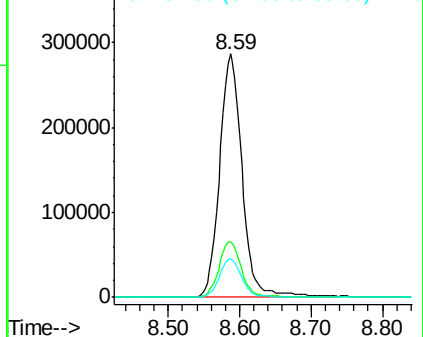
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN055309.D  
 Acq: 30 Apr 2019 15:36

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.0  | 0.0   | 45.2  |
| 88      | 16.0  | 0.0   | 31.6  |

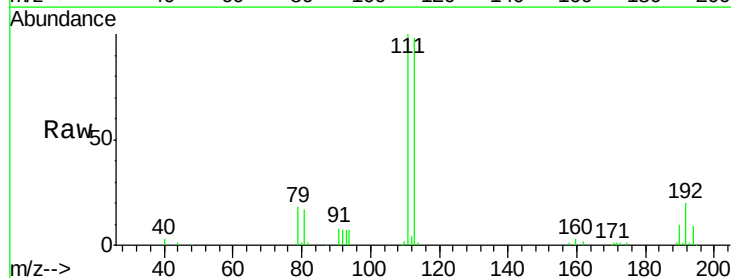


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

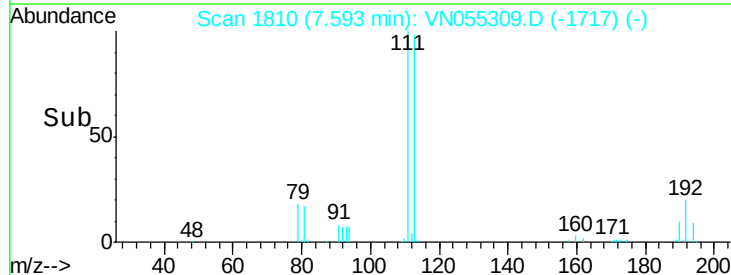
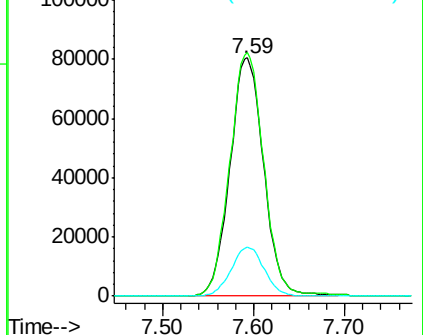


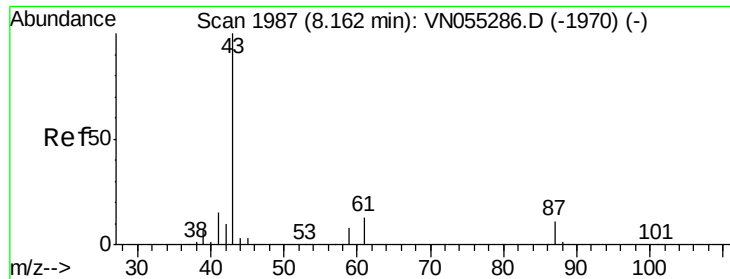
#35  
 Dibromofluoromethane  
 Concen: 50.351 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN055309.D  
 Acq: 30 Apr 2019 15:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 82.3  | 123.5 |
| 192     | 20.2  | 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: 2.376 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA\_N

ClientSampleId :

JC-03-042919-F

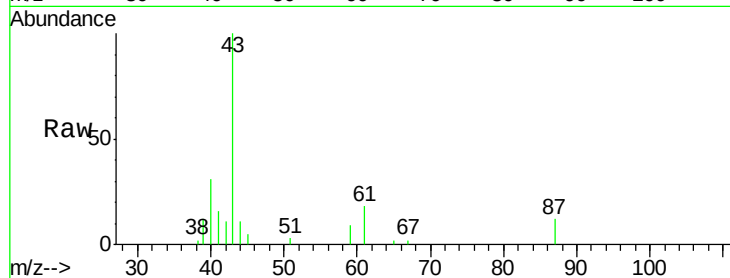
Tot Ion: 43 Resp: 17588

Ion Ratio Lower Upper

43 100

61 18.9 20.8 31.2#

87 11.7 8.5 12.7

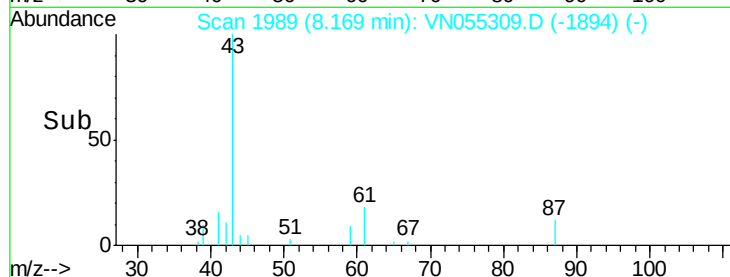


Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

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

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

Time-->



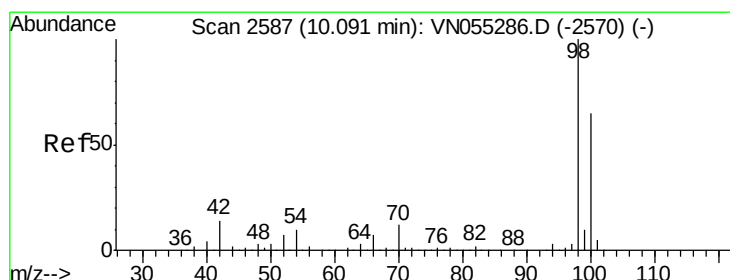
Abundance

Ion 43.00 (42.70 to 43.70): VN055309.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN055309.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN055309.D (-1894) (-)

Time-->



#50

Toluene-d8

Concen: 52.504 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055309.D

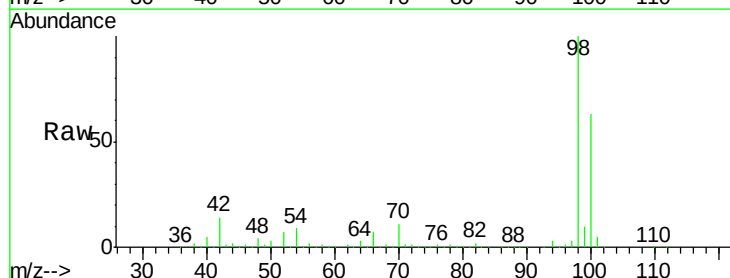
Acq: 30 Apr 2019 15:36

Tgt Ion: 98 Resp: 780870

Ion Ratio Lower Upper

98 100

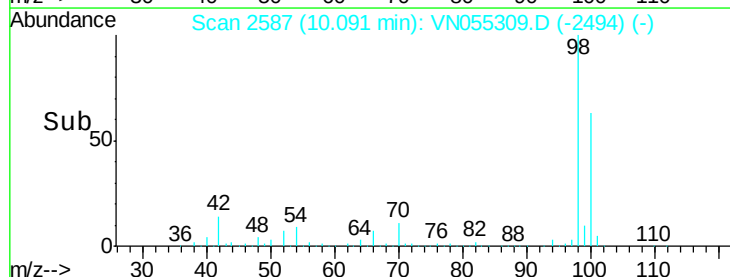
100 62.8 51.7 77.5



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

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

Time-->

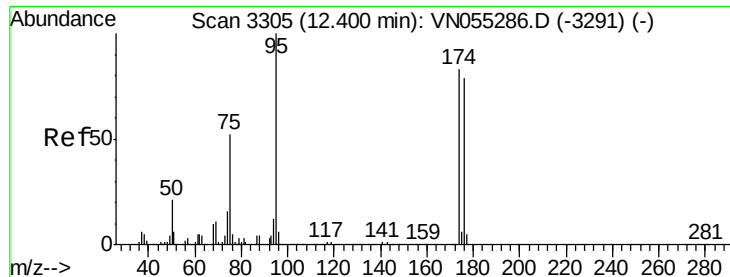


Abundance

Ion 98.00 (97.70 to 98.70): VN055309.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055309.D (-2494) (-)

Time-->



#62

4-Bromofluorobenzene

Concen: 53.584 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA\_N

ClientSampleId :

JC-03-042919-F

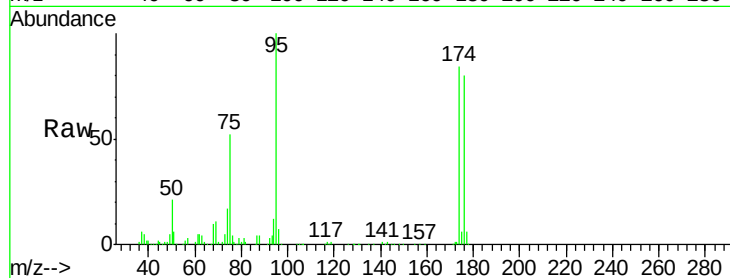
Tot Ion: 95 Resp: 249070

Ion Ratio Lower Upper

95 100

174 82.4 0.0 166.6

176 79.9 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055309.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055309.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055309.D (-2903) (-)

12.40

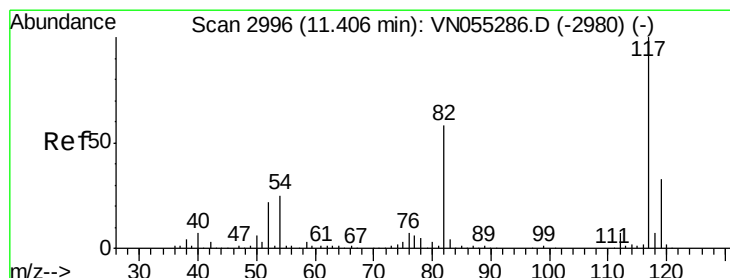
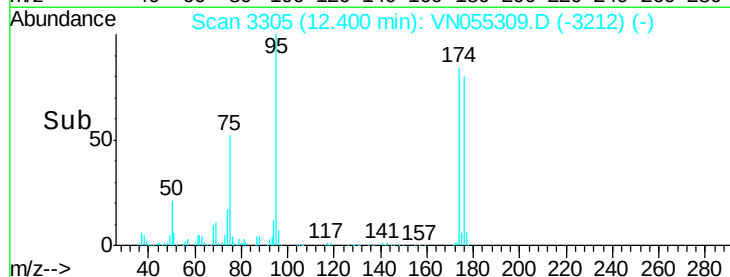
150000

100000

50000

0

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: VN055309.D

Acq: 30 Apr 2019 15:36

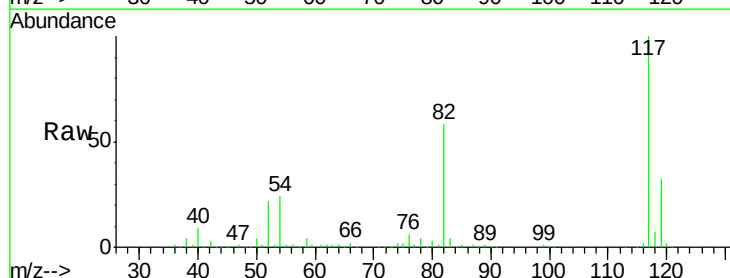
Tgt Ion: 117 Resp: 581187

Ion Ratio Lower Upper

117 100

82 57.5 46.2 69.4

119 32.1 26.6 40.0



Abundance Ion 116.90 (116.60 to 117.60): VN055309.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055309.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055309.D (-2903) (-)

11.41

400000

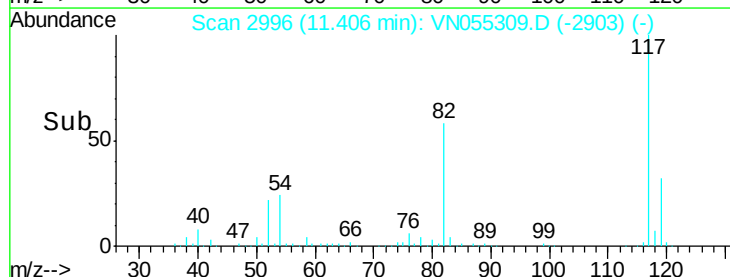
300000

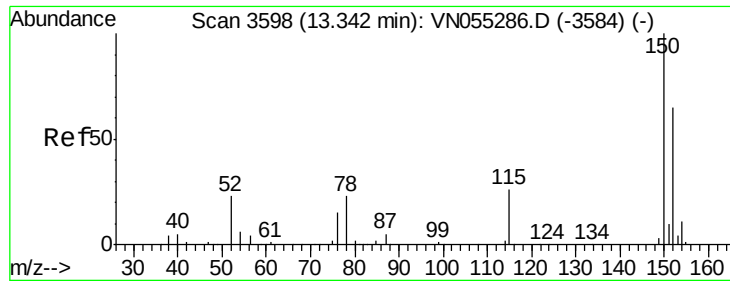
200000

100000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA\_N

ClientSampleId :

JC-03-042919-F

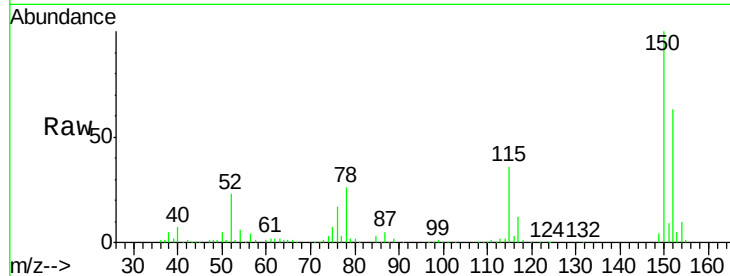
Tot Ion:152 Resp: 175023

Ion Ratio Lower Upper

152 100

115 58.1 29.0 87.0

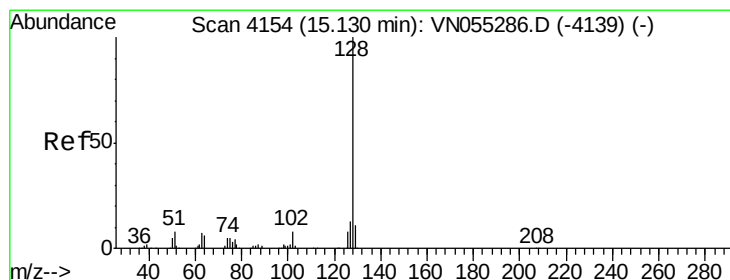
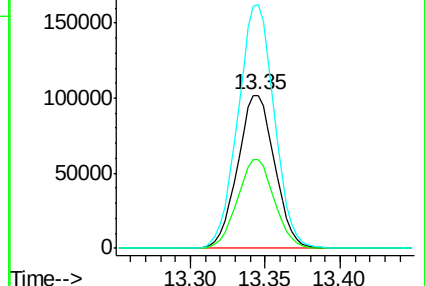
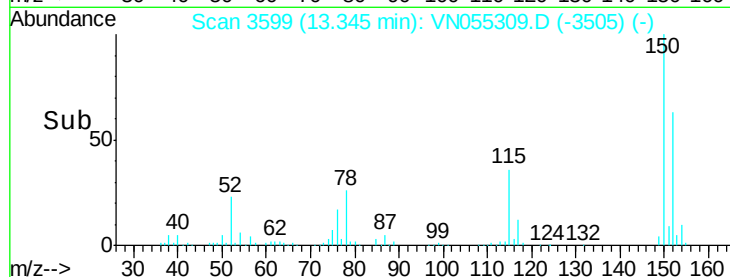
150 156.7 0.0 345.6



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



#95

Naphthalene

Concen: 3.831 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

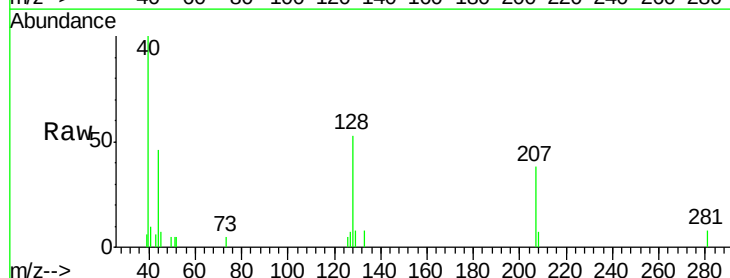
Tgt Ion:128 Resp: 2619

Ion Ratio Lower Upper

128 100

127 5.8 10.7 16.1#

129 7.5 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

