

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\  
 Data File : VN050491.D  
 Acq On : 9 Aug 2018 17:30  
 Operator : MD\SY  
 Sample : J4275-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-02-080718-B

Quant Time: Aug 10 06:45:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 05:22:15 2018  
 Response via : Initial Calibration

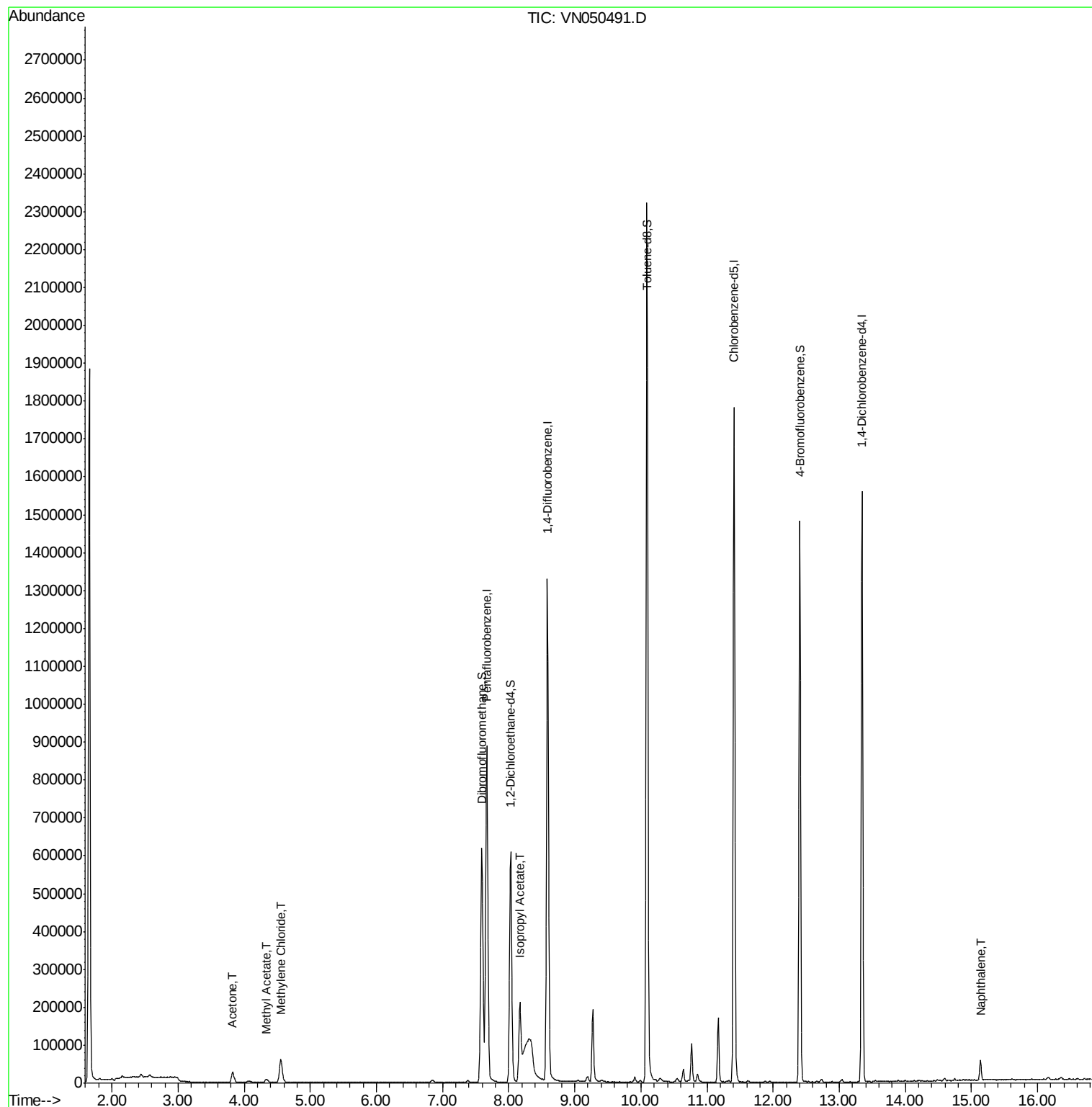
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 771051   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1253998  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1085553  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 436000   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 516448   | 50.13 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.26% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 471117   | 46.82 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.64%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1697908  | 44.88 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.76%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 507642   | 39.37 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 78.74%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 45985    | 14.63 | ug/l    | 97       |
| 18) Methyl Acetate          | 4.34  | 43   | 15923    | 1.81  | ug/l #  | 74       |
| 20) Methylene Chloride      | 4.55  | 84   | 48083    | 3.68  | ug/l    | 97       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 262396   | 15.32 | ug/l    | 98       |
| 95) Naphthalene             | 15.14 | 128  | 44544    | 5.58  | ug/l    | 98       |

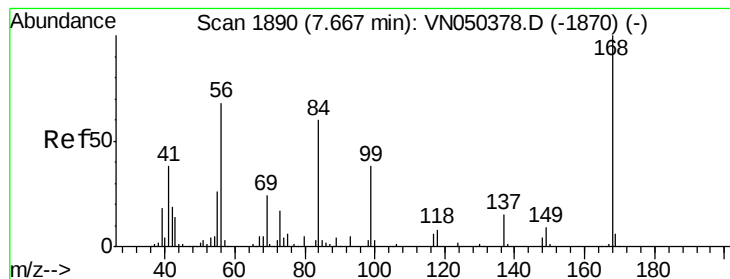
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080918\  
Data File : VN050491.D  
Acq On : 9 Aug 2018 17:30  
Operator : MD\SY  
Sample : J4275-04  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-02-080718-B

Quant Time: Aug 10 06:45:17 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 05:22:15 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: VN050491.D

Acq: 9 Aug 2018 17:30

Instrument :

MSVOA\_N

ClientSampleId :

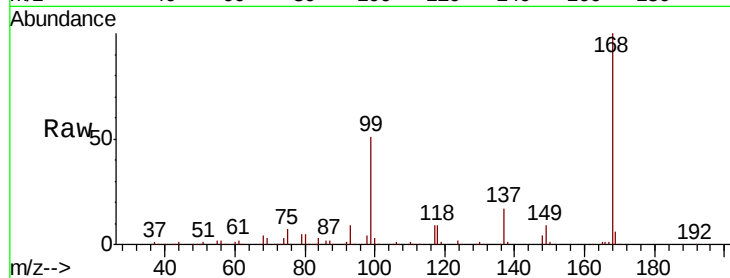
CL-02-080718-B

Tot Ion:168 Resp: 771051

Ion Ratio Lower Upper

168 100

99 51.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

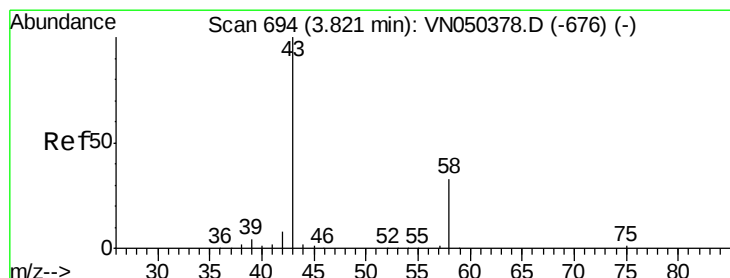
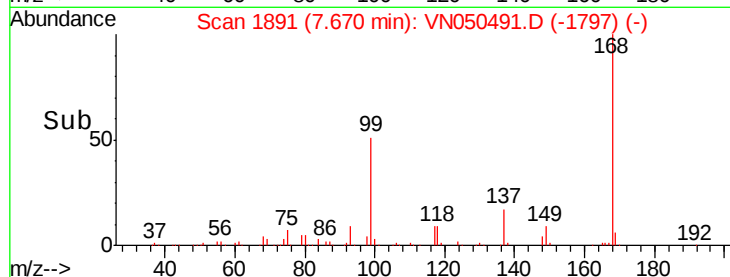
200000

100000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 14.63 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050491.D

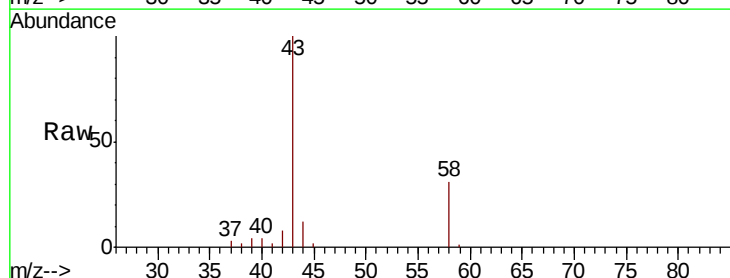
Acq: 9 Aug 2018 17:30

Tgt Ion: 43 Resp: 45985

Ion Ratio Lower Upper

43 100

58 30.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

20000

15000

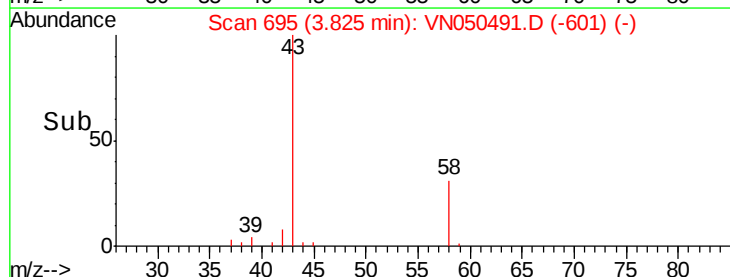
10000

5000

0

3.75 3.80 3.85 3.90

Time-->

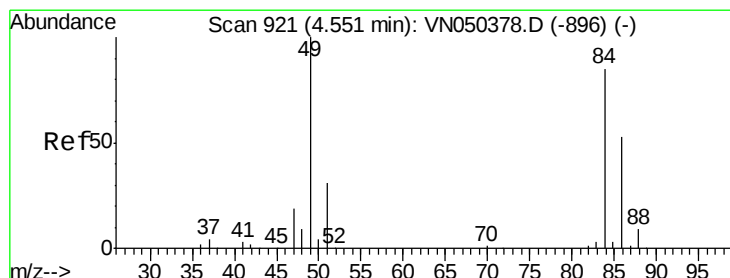
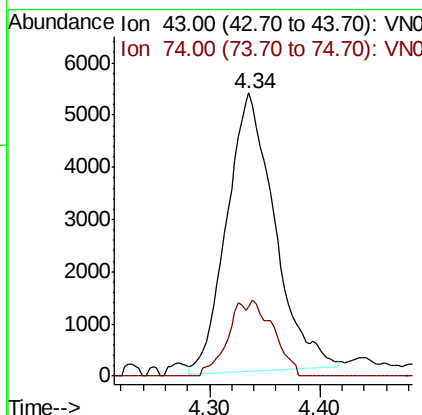
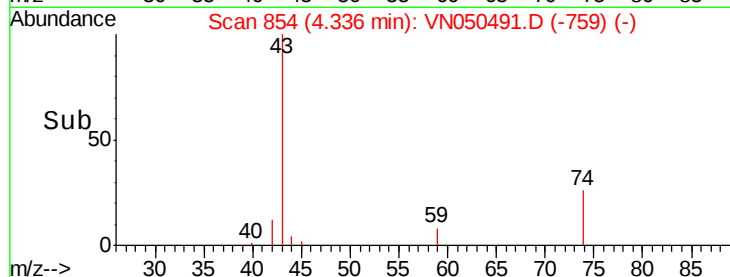
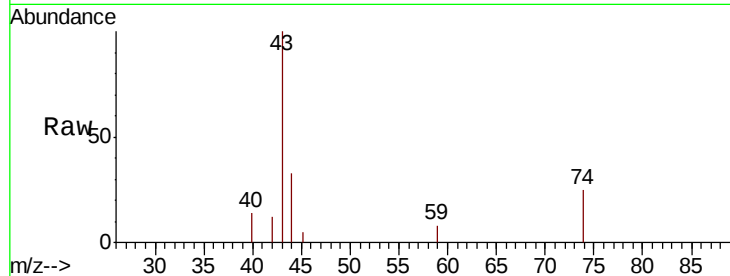




#18  
Methyl Acetate  
Concen: 1.81 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN050491.D  
Acq: 9 Aug 2018 17:30

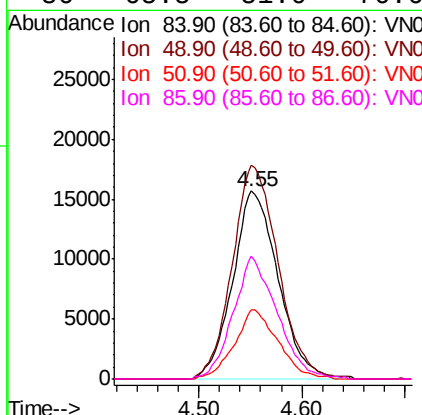
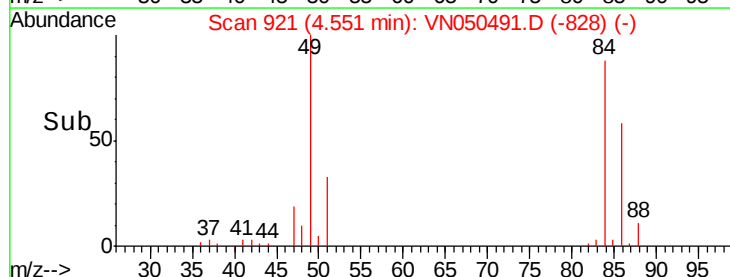
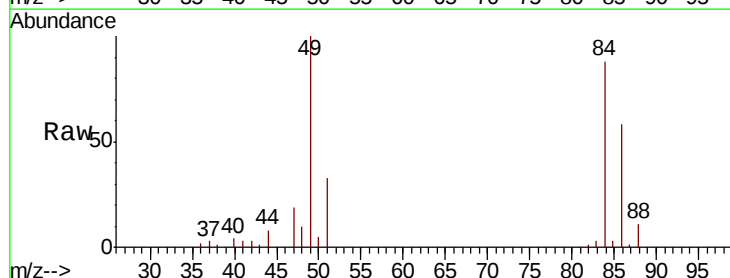
Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-02-080718-B

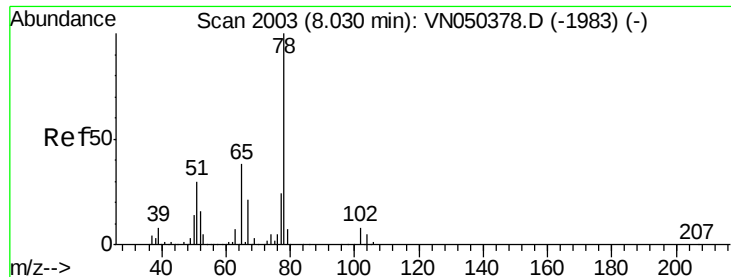
Tot Ion: 43 Resp: 15923  
Ion Ratio Lower Upper  
43 100  
74 11.0 19.2 28.8#



#20  
Methylene Chloride  
Concen: 3.68 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN050491.D  
Acq: 9 Aug 2018 17:30

Tgt Ion: 84 Resp: 48083  
Ion Ratio Lower Upper  
84 100  
49 113.9 94.8 142.2  
51 37.1 28.3 42.5  
86 65.5 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 50.13 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050491.D

Acq: 9 Aug 2018 17:30

Instrument :

MSVOA\_N

ClientSampleId :

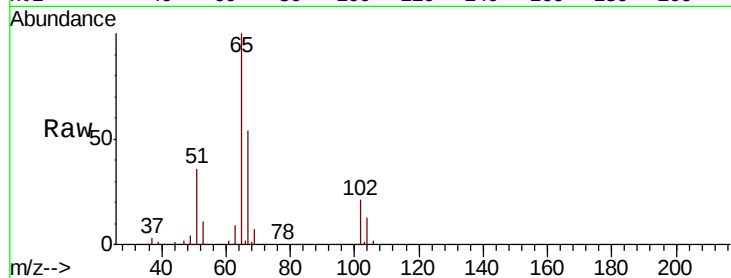
CL-02-080718-B

Tot Ion: 65 Resp: 516448

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

250000

200000

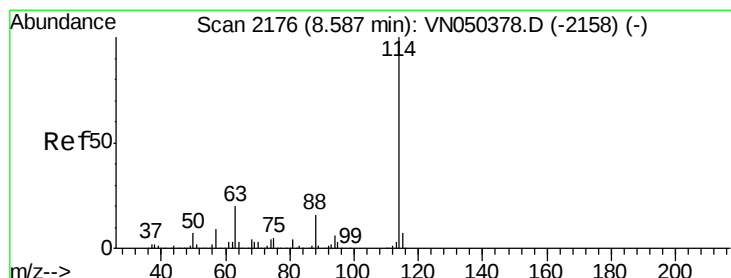
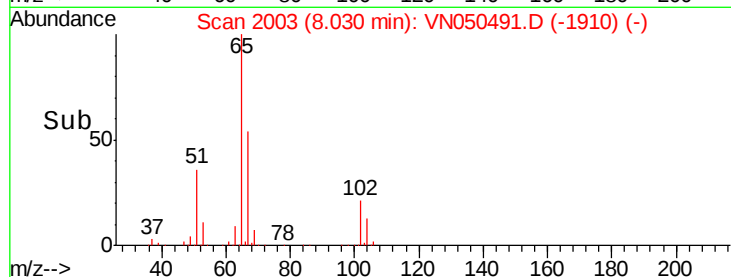
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050491.D

Acq: 9 Aug 2018 17:30

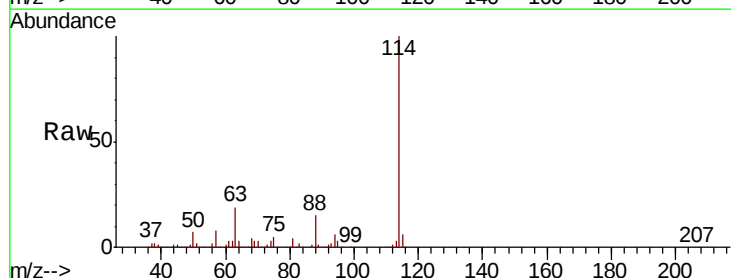
Tgt Ion: 114 Resp: 1253998

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 15.3 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

800000

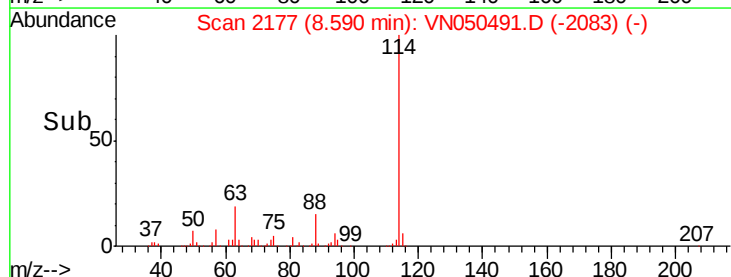
600000

400000

200000

0

Time--> 8.50 8.60 8.70 8.80

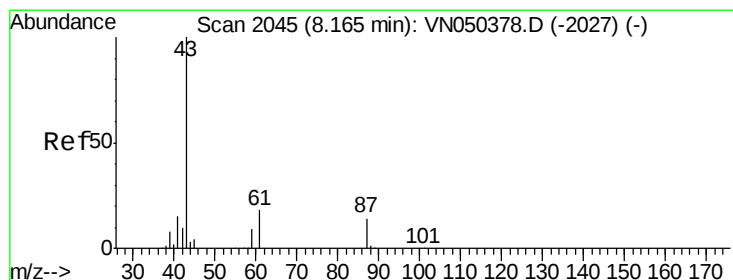
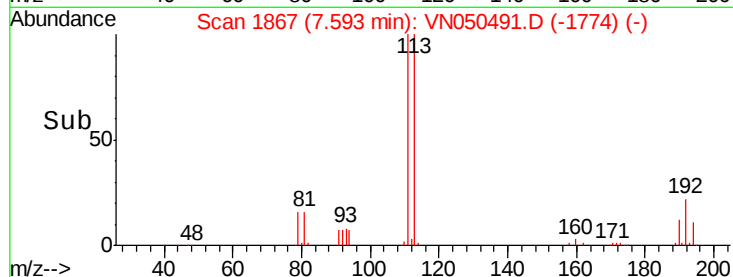
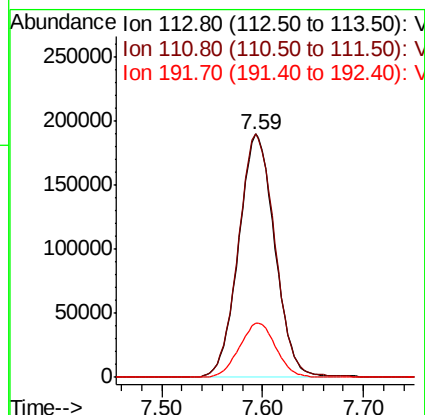
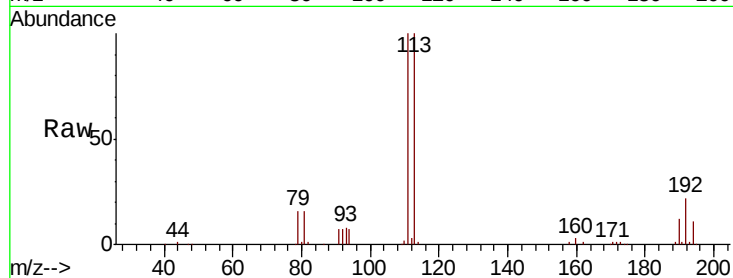




#35  
 Dibromofluoromethane  
 Concen: 46.82 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN050491.D  
 Acq: 9 Aug 2018 17:30

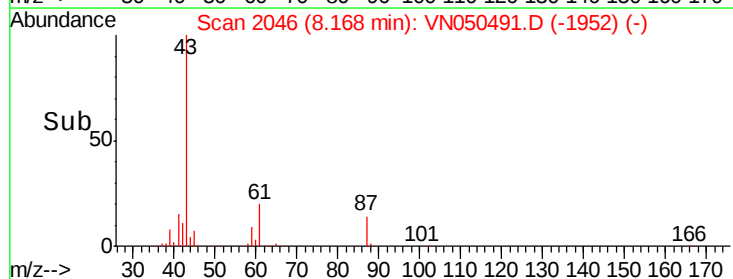
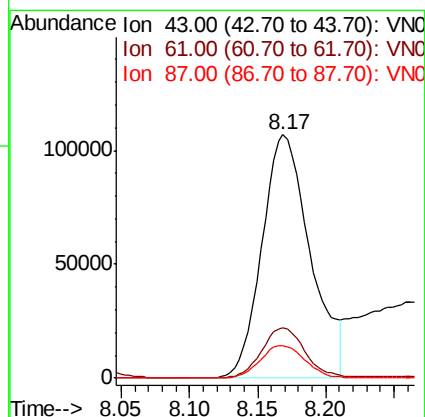
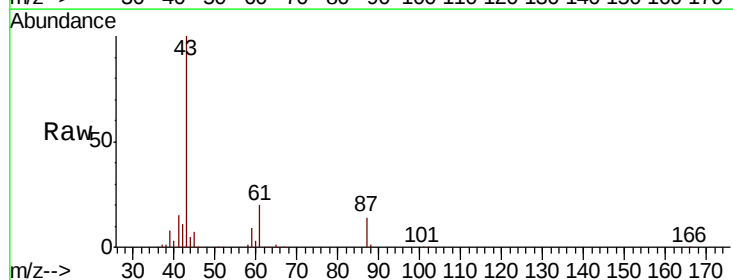
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-02-080718-B

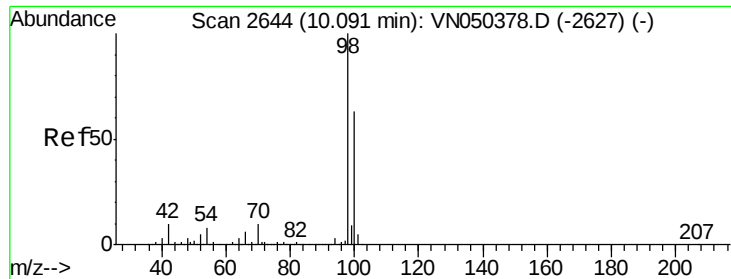
Tot Ion:113 Resp: 471117  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 80.7 121.1  
 192 22.7 17.8 26.6



#43  
 Isopropyl Acetate  
 Concen: 15.32 ug/l  
 RT: 8.17 min Scan# 2046  
 Delta R.T. 0.00 min  
 Lab File: VN050491.D  
 Acq: 9 Aug 2018 17:30

Tgt Ion: 43 Resp: 262396  
 Ion Ratio Lower Upper  
 43 100  
 61 18.6 15.8 23.6  
 87 12.5 10.3 15.5





#50

Toluene-d8

Concen: 44.88 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050491.D

Acq: 9 Aug 2018 17:30

Instrument :

MSVOA\_N

ClientSampleId :

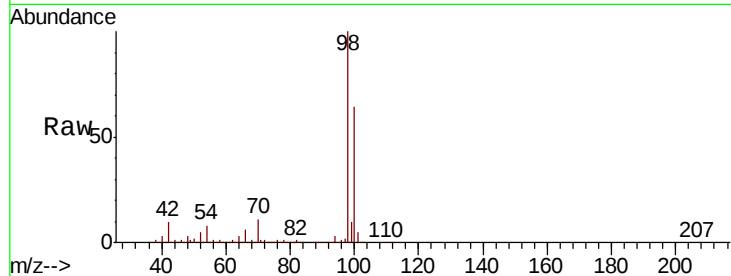
CL-02-080718-B

Tot Ion: 98 Resp: 1697908

Ion Ratio Lower Upper

98 100

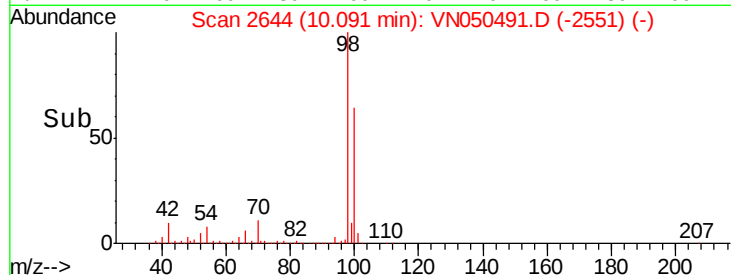
100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050378.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050378.D (-2627) (-)

10.09



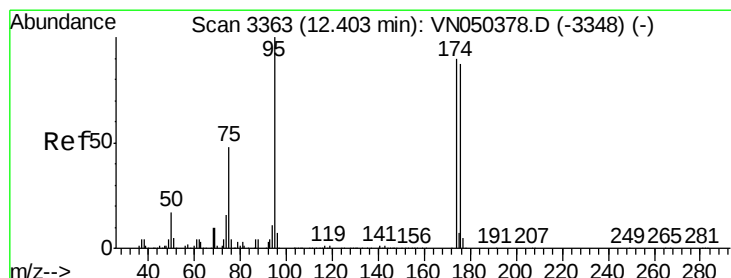
Abundance

Ion 98.00 (97.70 to 98.70): VN050491.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN050491.D (-2551) (-)

10.09

Time-->



#62

4-Bromofluorobenzene

Concen: 39.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050491.D

Acq: 9 Aug 2018 17:30

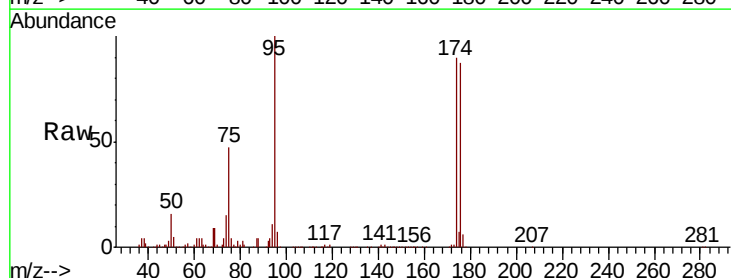
Tgt Ion: 95 Resp: 507642

Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.2

176 87.8 0.0 173.4

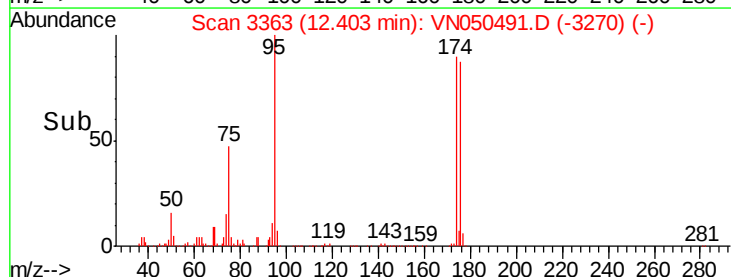


Abundance Ion 94.90 (94.60 to 95.60): VN050378.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050378.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050378.D (-3348) (-)

12.40



Abundance

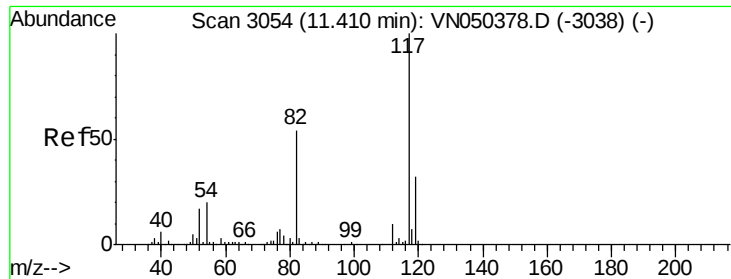
Ion 94.90 (94.60 to 95.60): VN050491.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN050491.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN050491.D (-3270) (-)

12.40

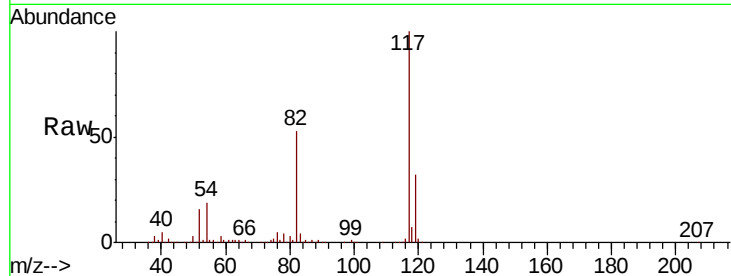
Time-->



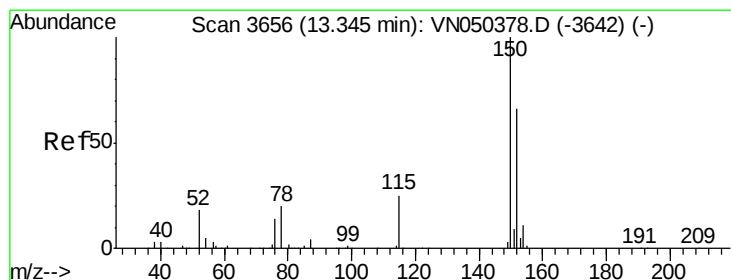
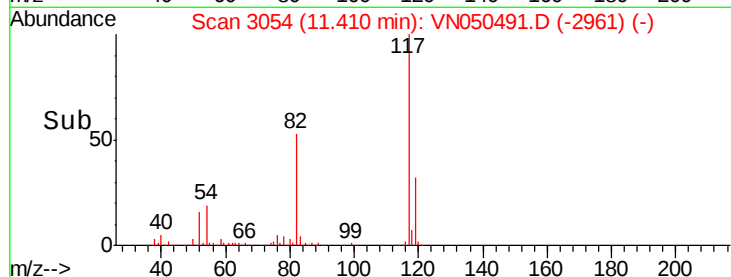
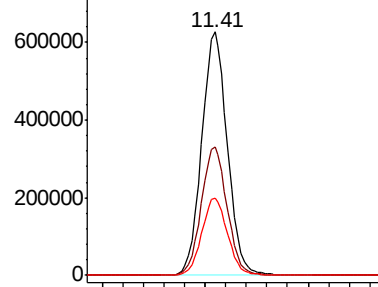
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN050491.D  
Acq: 9 Aug 2018 17:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-02-080718-B

Tot Ion:117 Resp: 1085553  
Ion Ratio Lower Upper  
117 100  
82 52.9 43.7 65.5  
119 31.8 26.1 39.1

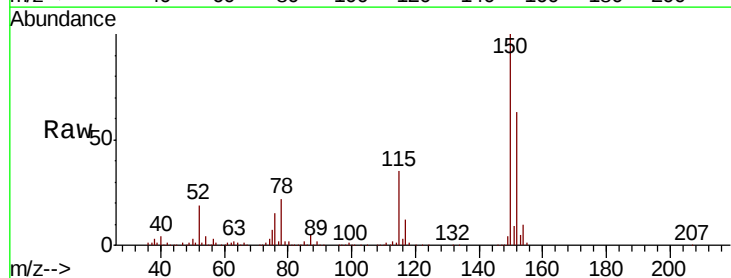


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

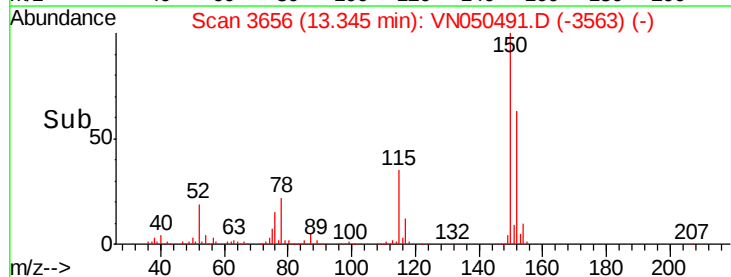
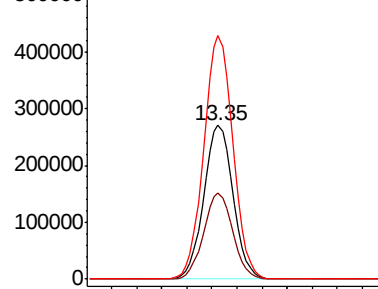


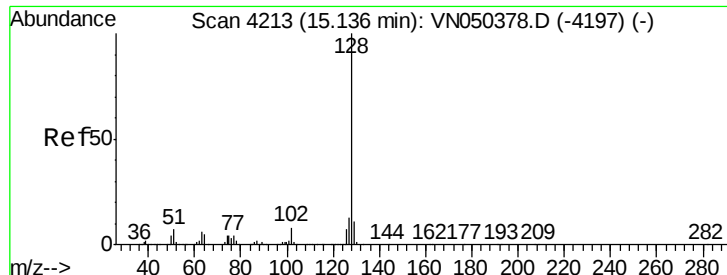
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. -0.00 min  
Lab File: VN050491.D  
Acq: 9 Aug 2018 17:30

Tgt Ion:152 Resp: 436000  
Ion Ratio Lower Upper  
152 100  
115 55.9 27.8 83.3  
150 158.4 0.0 348.6



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: 5.58 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050491.D

Acq: 9 Aug 2018 17:30

Instrument :

MSVOA\_N

ClientSampleId :

CL-02-080718-B

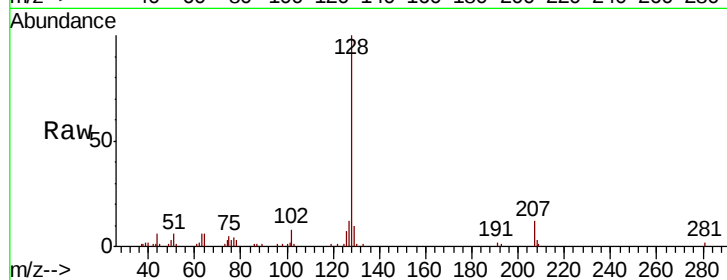
Tot Ion:128 Resp: 44544

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

129 10.4 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

