

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\  
 Data File : VN051791.D  
 Acq On : 10 Oct 2018 15:20  
 Operator : MD\SY  
 Sample : PB113684ZHE#02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB113684ZHE#02

Quant Time: Oct 11 03:39:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 09 06:03:49 2018  
 Response via : Initial Calibration

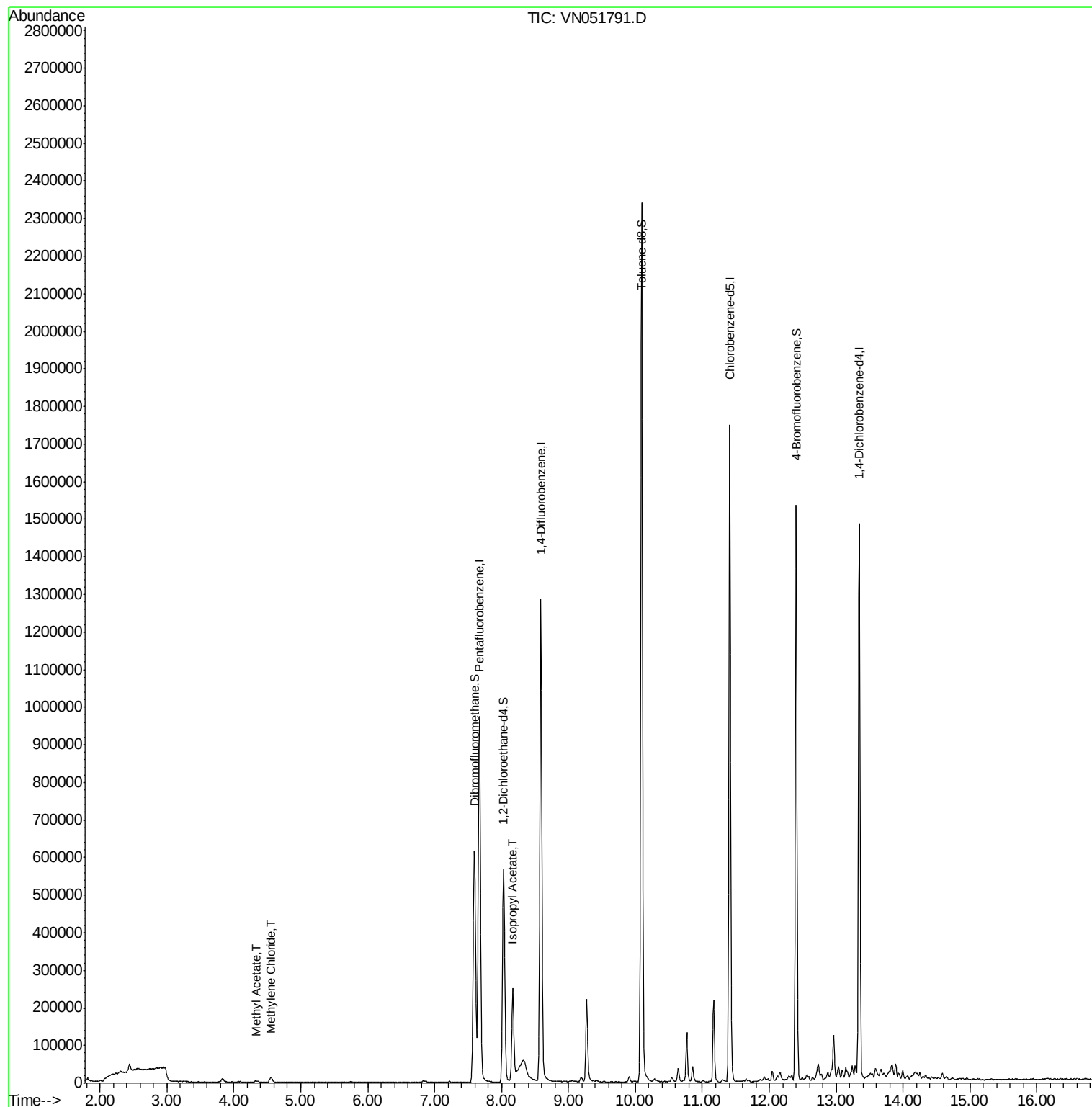
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 870038   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1236915  | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1094142  | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 421338   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 490581   | 42.68  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.36% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 464417   | 48.56  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.12% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1726878  | 48.40  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.80% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 508249   | 40.25  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 80.50% |          |
| Target Compounds            |       |      |          |        |        |          |
| 18) Methyl Acetate          | 4.34  | 43   | 7630     | 1.203  | ug/l # | 88       |
| 20) Methylene Chloride      | 4.55  | 84   | 10121    | 1.070  | ug/l   | 87       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 291649   | 20.745 | ug/l   | 98       |

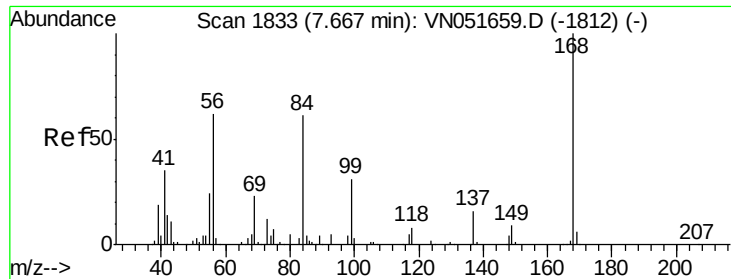
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101018\  
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QLast Update : Tue Oct 09 06:03:49 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051791.D

Acq: 10 Oct 2018 15:20

Instrument :

MSVOA\_N

ClientSampleId :

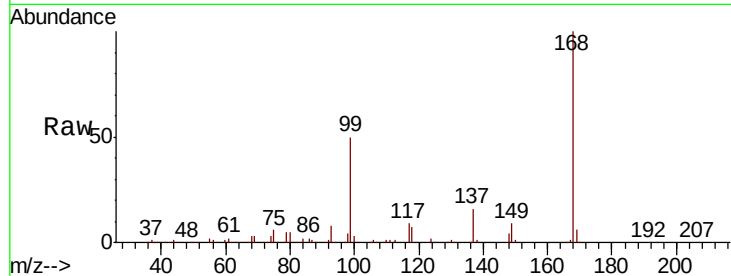
PB113684ZHE#02

Tot Ion:168 Resp: 870038

Ion Ratio Lower Upper

168 100

99 49.6 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

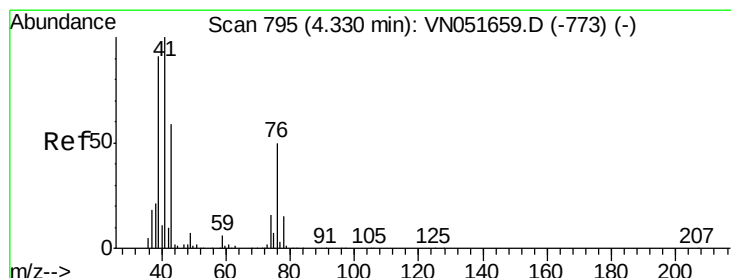
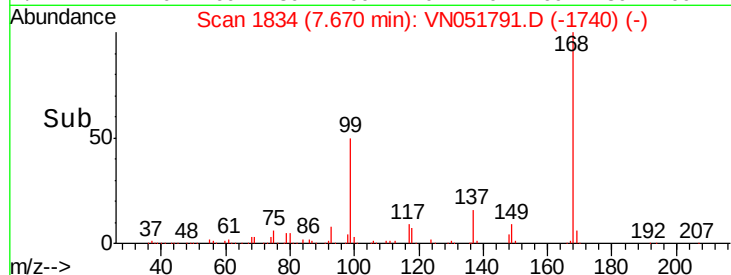
200000

100000

0

7.60 7.70 7.80

Time-->



#18

Methyl Acetate

Concen: 1.203 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN051791.D

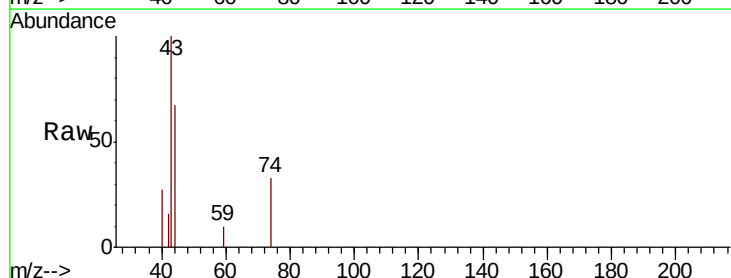
Acq: 10 Oct 2018 15:20

Tgt Ion: 43 Resp: 7630

Ion Ratio Lower Upper

43 100

74 20.5 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.34

2500

2000

1500

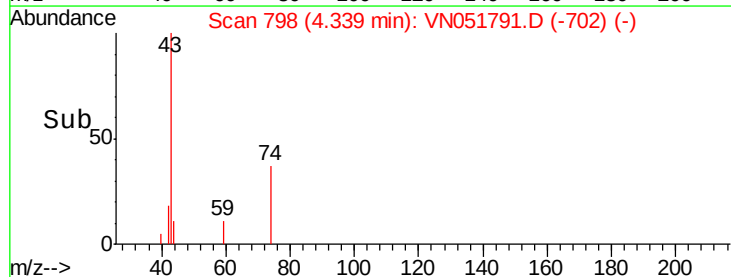
1000

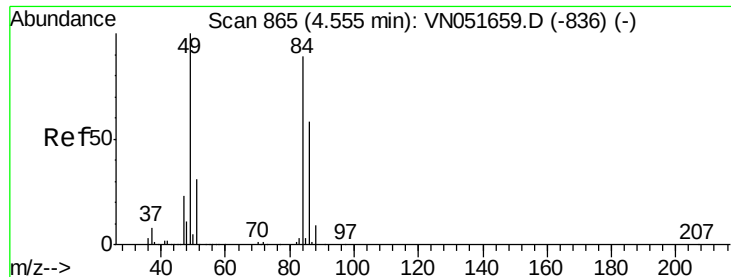
500

0

4.25 4.30 4.35 4.40

Time-->

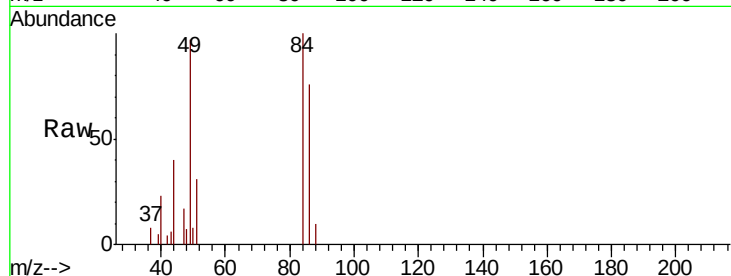




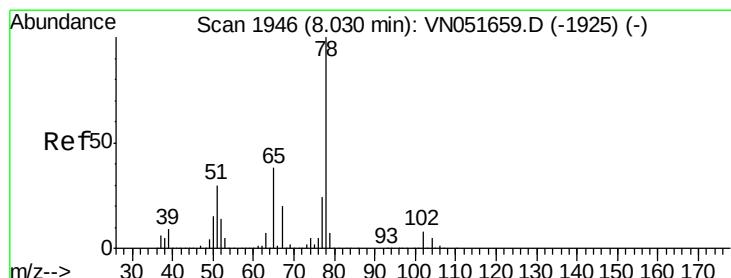
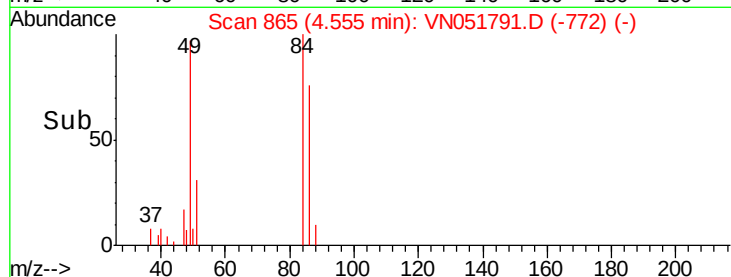
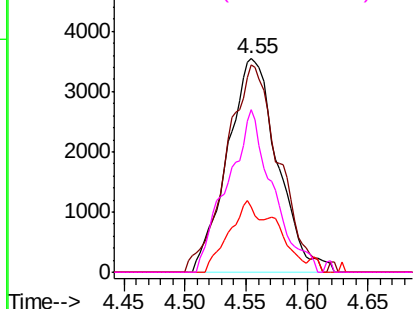
#20  
Methylene Chloride  
Concen: 1.070 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VN051791.D  
Acq: 10 Oct 2018 15:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113684ZHE#02

| Tot Ion: | 84    | Resp: | 10121 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 97.4  | 89.5  | 134.3 |
| 51       | 30.8  | 27.4  | 41.0  |
| 86       | 76.2  | 51.9  | 77.9  |

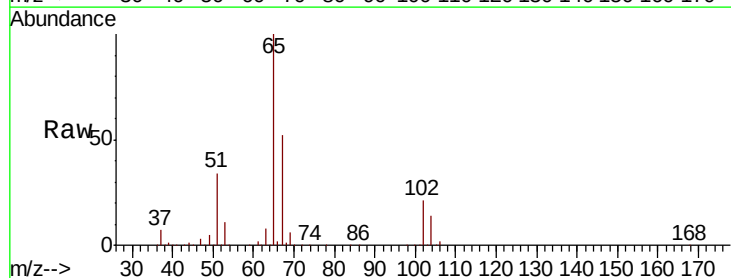


Abundance Ion 83.90 (83.60 to 84.60): VN0  
Ion 48.90 (48.60 to 49.60): VN0  
Ion 50.90 (50.60 to 51.60): VN0  
Ion 85.90 (85.60 to 86.60): VN0

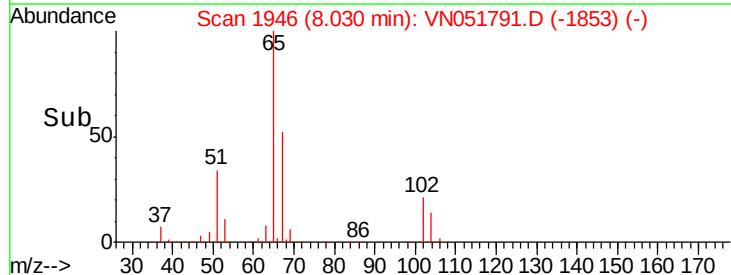
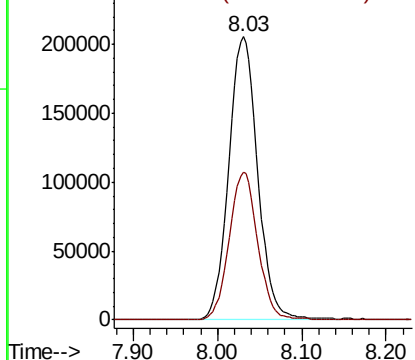


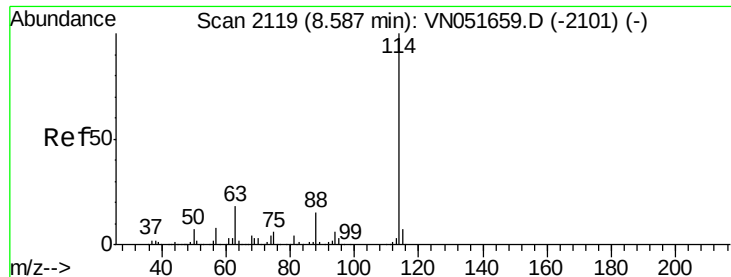
#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. -0.00 min  
Lab File: VN051791.D  
Acq: 10 Oct 2018 15:20

| Tgt Ion: | 65    | Resp: | 490581 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.5  | 0.0   | 103.6  |



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0



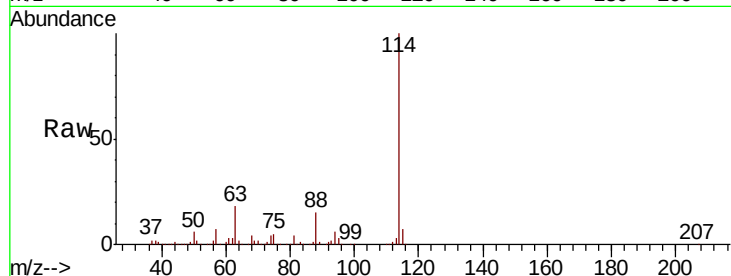


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN051791.D  
 Acq: 10 Oct 2018 15:20

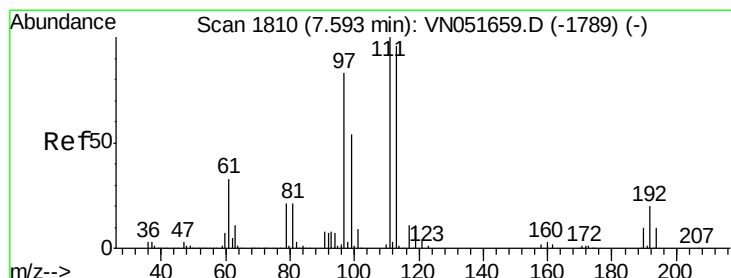
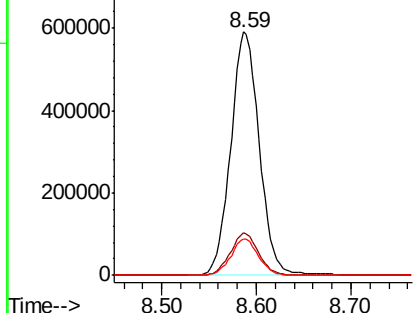
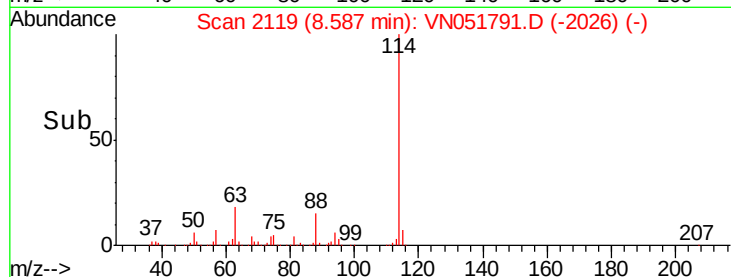
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB113684ZHE#02

Tot Ion:114 Resp: 1236915  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 17.6  | 0.0   | 36.2  |
| 88  | 15.1  | 0.0   | 30.2  |



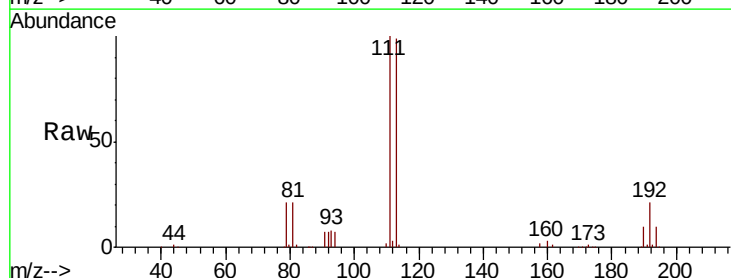
Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN



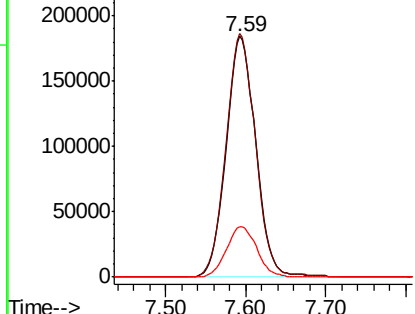
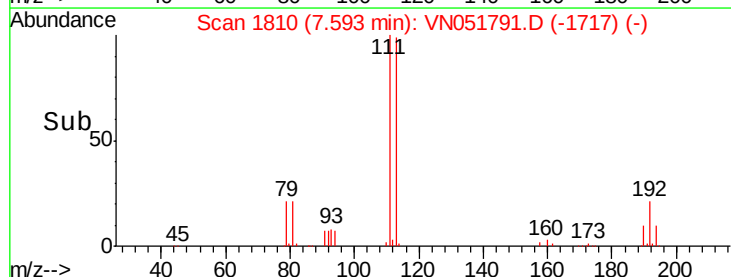
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. -0.00 min  
 Lab File: VN051791.D  
 Acq: 10 Oct 2018 15:20

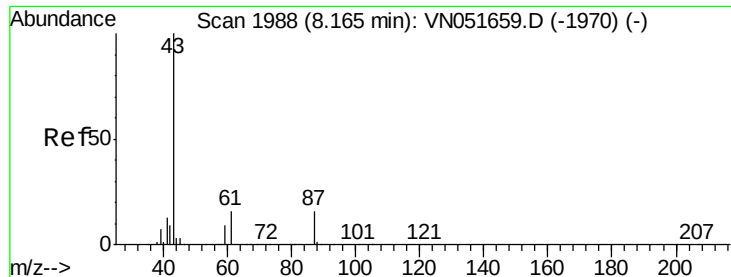
Tgt Ion:113 Resp: 464417  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.0 | 81.8  | 122.8 |
| 192 | 21.5  | 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: 20.745 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051791.D

Acq: 10 Oct 2018 15:20

Instrument :

MSVOA\_N

ClientSampleId :

PB113684ZHE#02

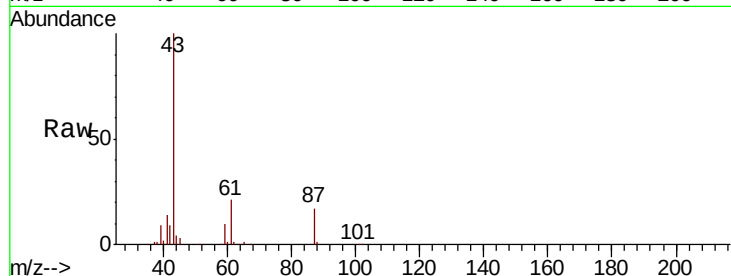
Tot Ion: 43 Resp: 291649

Ion Ratio Lower Upper

43 100

61 20.6 15.8 23.6

87 16.6 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN051659.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN051659.D (-1970) (-)

8.17

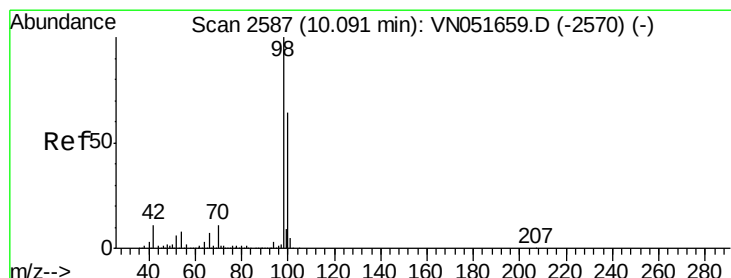
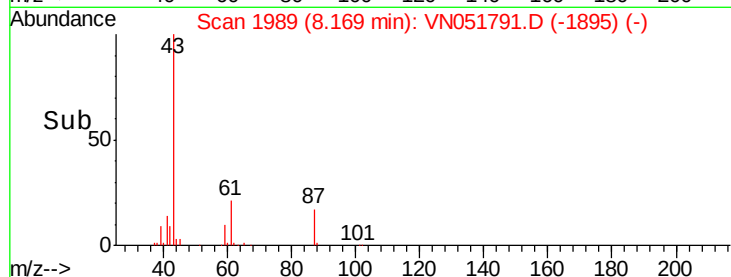
150000

100000

50000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051791.D

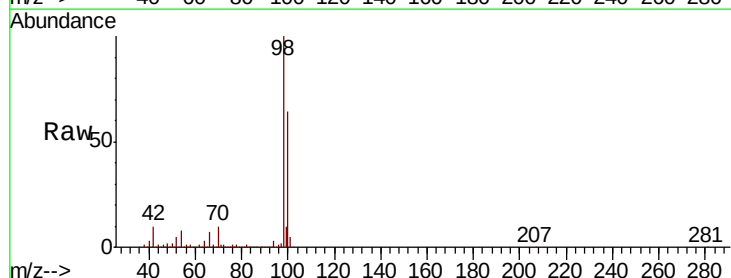
Acq: 10 Oct 2018 15:20

Tgt Ion: 98 Resp: 1726878

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN051659.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051659.D (-2570) (-)

10.09

1000000

800000

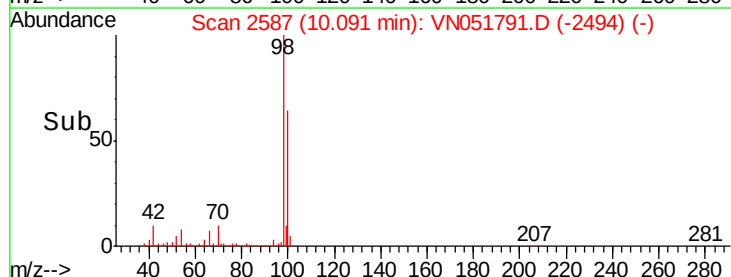
600000

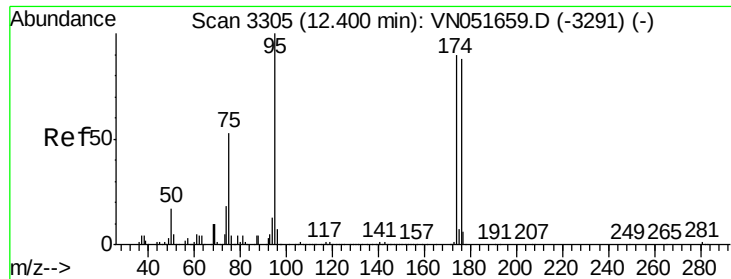
400000

200000

0

Time--> 10.00 10.10 10.20 10.30

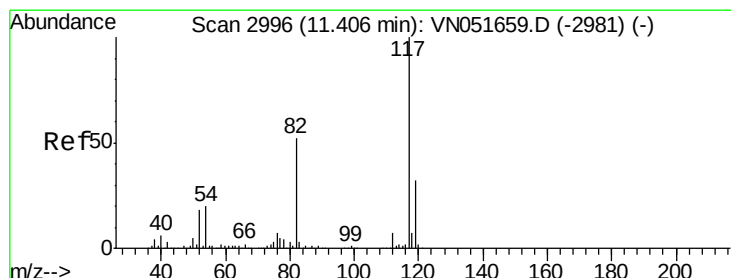
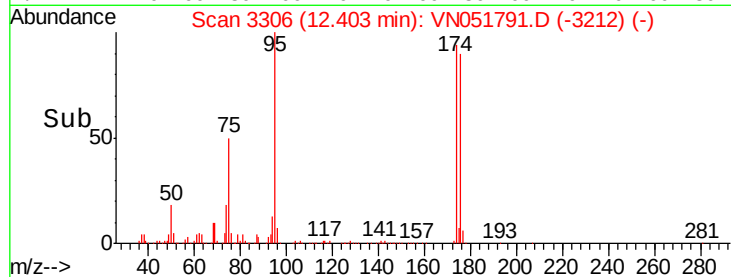
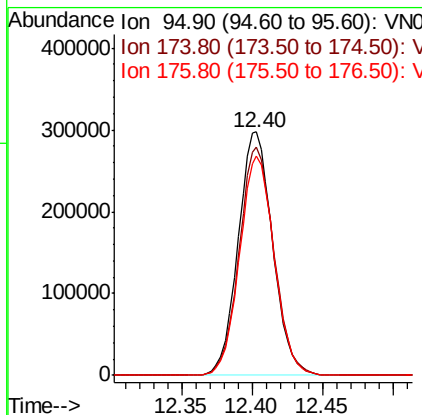
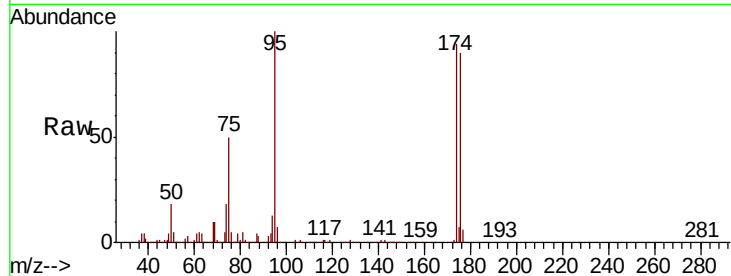




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051791.D  
Acq: 10 Oct 2018 15:20

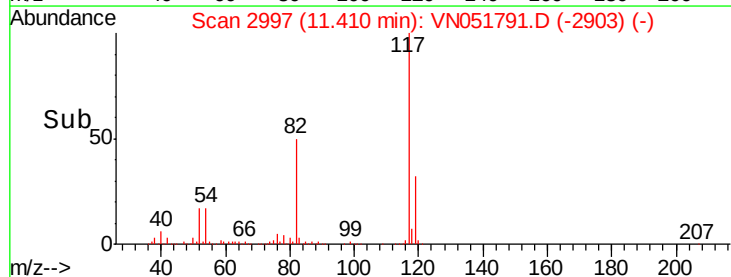
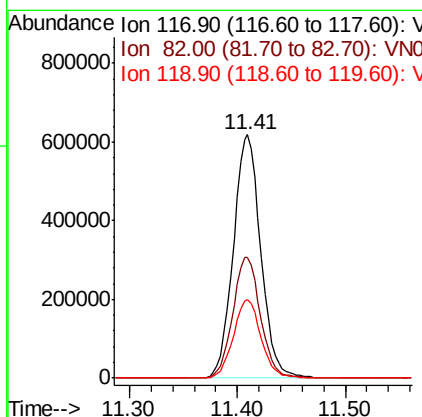
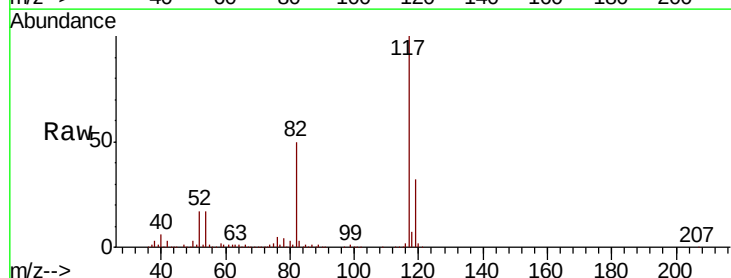
Instrument :  
MSVOA\_N  
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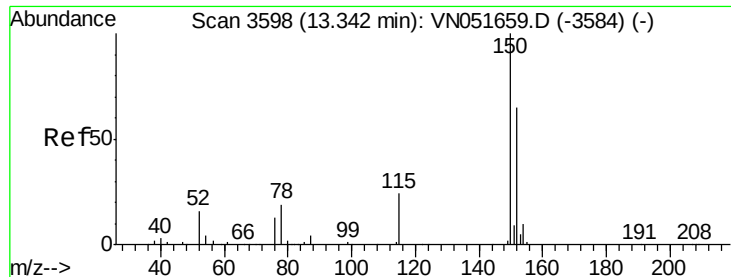
Tot Ion: 95 Resp: 508249  
Ion Ratio Lower Upper  
95 100  
174 94.4 0.0 182.8  
176 90.6 0.0 176.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN051791.D  
Acq: 10 Oct 2018 15:20

Tgt Ion: 117 Resp: 1094142  
Ion Ratio Lower Upper  
117 100  
82 49.8 41.3 61.9  
119 32.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051791.D

Acq: 10 Oct 2018 15:20

Instrument :

MSVOA\_N

ClientSampleId :

PB113684ZHE#02

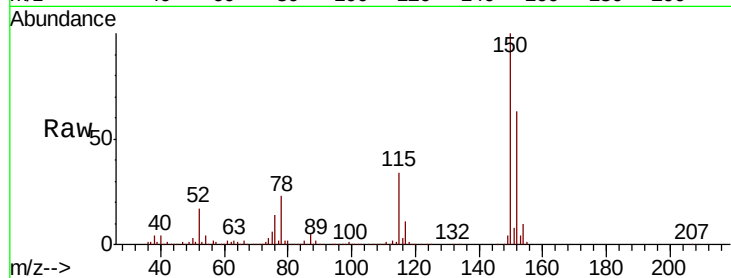
Tot Ion:152 Resp: 421338

Ion Ratio Lower Upper

152 100

115 55.6 28.6 85.8

150 157.6 0.0 352.4



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

