

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\  
 Data File : VN051569.D  
 Acq On : 27 Sep 2018 8:57  
 Operator : MD\SY  
 Sample : J4779-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-02-092418-A

Quant Time: Sep 27 11:31:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092318W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 24 06:41:32 2018  
 Response via : Initial Calibration

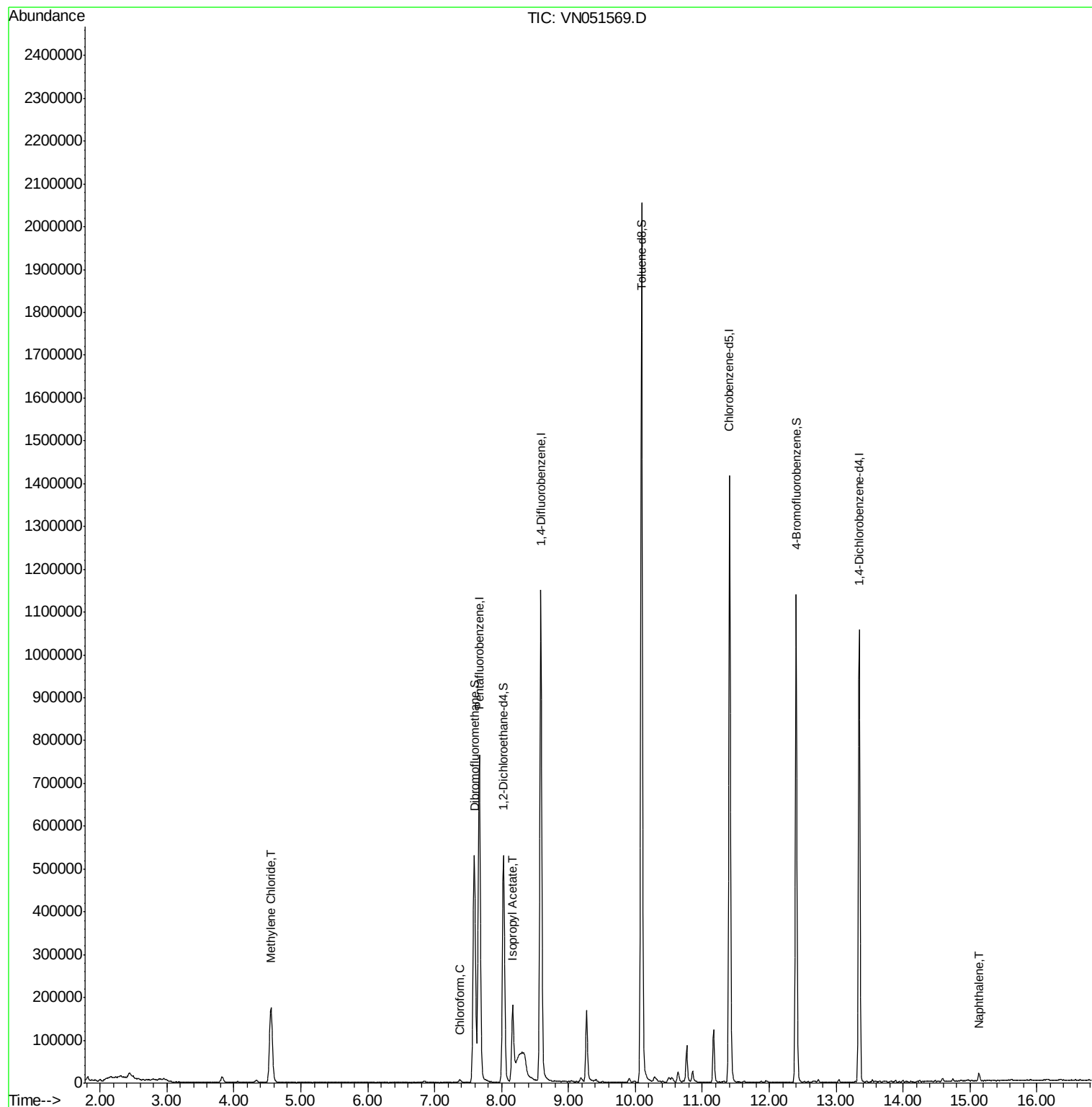
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 650347   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1041135  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 862709   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 295148   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 459177   | 56.36  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.72% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 400449   | 48.10  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.20%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1464171  | 46.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.40%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 384757   | 37.94  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 75.88%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 4.55  | 84   | 130238   | 16.155 | ug/l    | 97       |
| 30) Chloroform              | 7.37  | 83   | 6814     | 0.491  | ug/l    | 97       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 230538   | 18.391 | ug/l    | 94       |
| 95) Naphthalene             | 15.13 | 128  | 16446    | 9.302  | ug/l    | 97       |

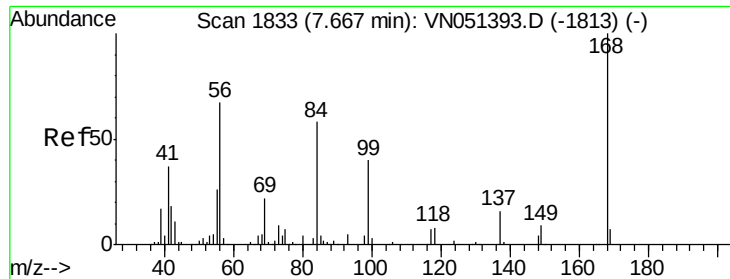
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051569.D

Acq: 27 Sep 2018 8:57

Instrument :

MSVOA\_N

ClientSampleId :

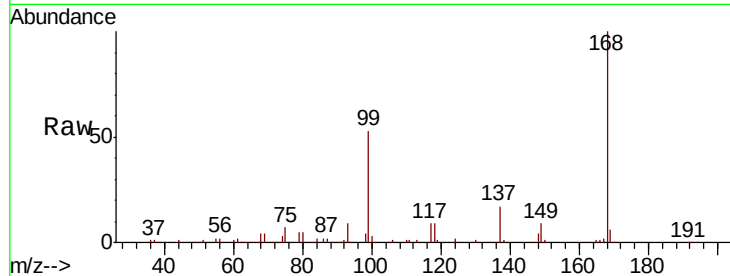
SU-02-092418-A

Tot Ion:168 Resp: 650347

Ion Ratio Lower Upper

168 100

99 53.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

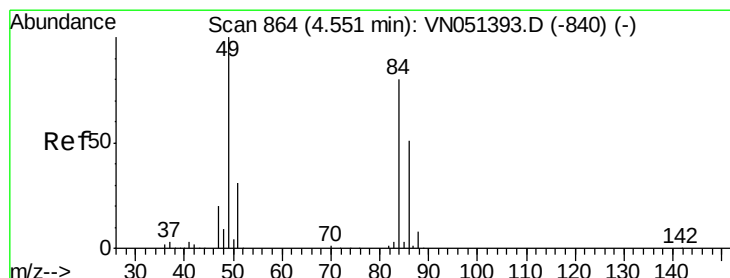
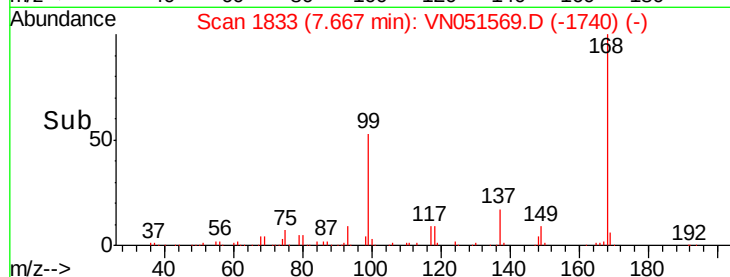
100000

50000

0

Time-->

7.60 7.70 7.80



#20

Methylene Chloride

Concen: 16.155 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051569.D

Acq: 27 Sep 2018 8:57

Tgt Ion: 84 Resp: 130238

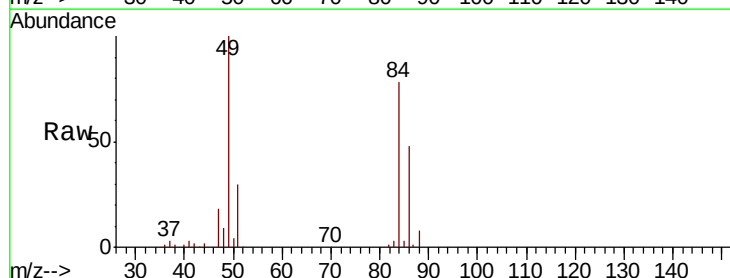
Ion Ratio Lower Upper

84 100

49 128.9 99.9 149.9

51 38.2 31.4 47.2

86 62.2 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

80000

60000

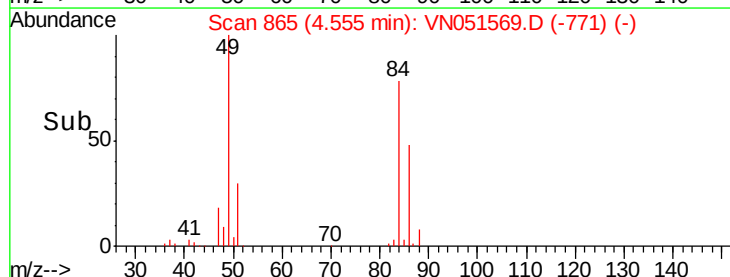
40000

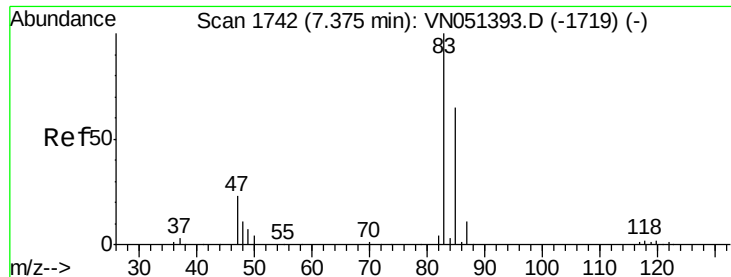
20000

0

Time-->

4.40 4.50 4.60 4.70

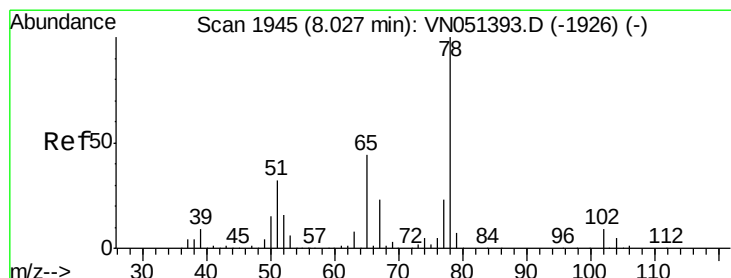
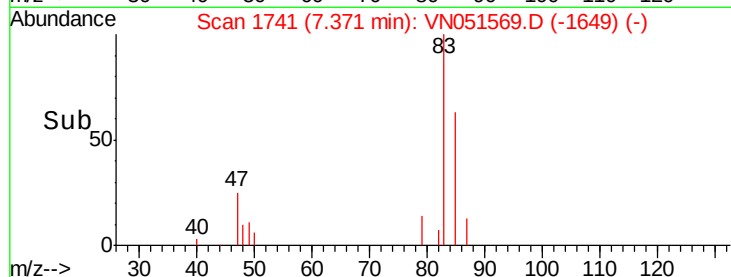
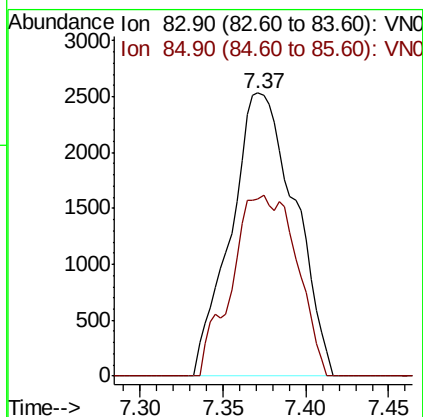
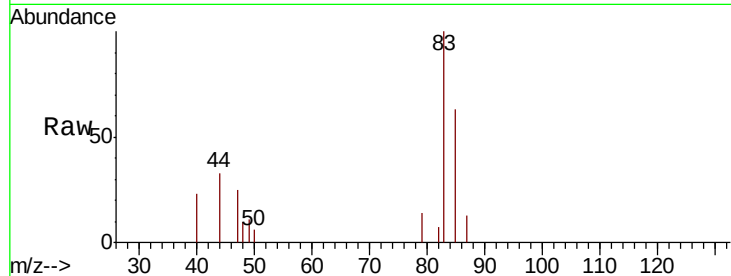




#30  
Chloroform  
Concen: 0.491 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VN051569.D  
Acq: 27 Sep 2018 8:57

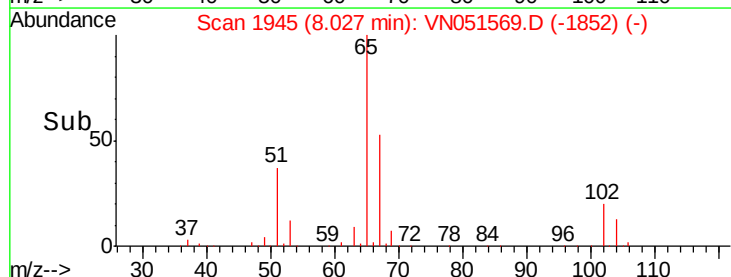
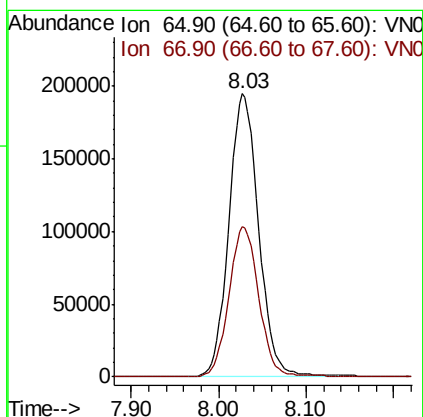
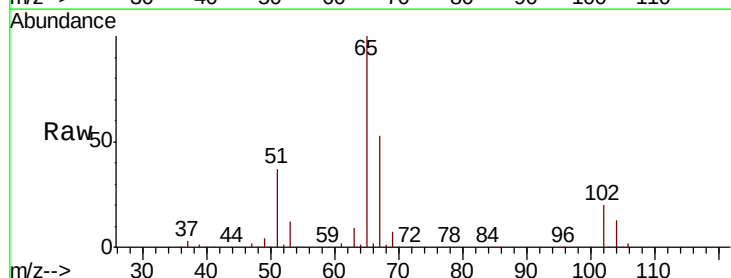
Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-02-092418-A

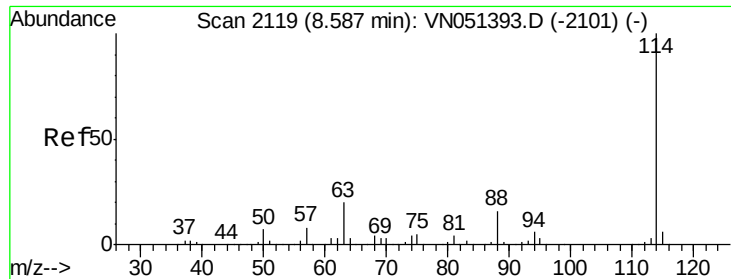
Tot Ion: 83 Resp: 6814  
Ion Ratio Lower Upper  
83 100  
85 62.6 51.8 77.6



#33  
1,2-Dichloroethane-d4  
Concen: 56.363 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. -0.00 min  
Lab File: VN051569.D  
Acq: 27 Sep 2018 8:57

Tgt Ion: 65 Resp: 459177  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 107.8

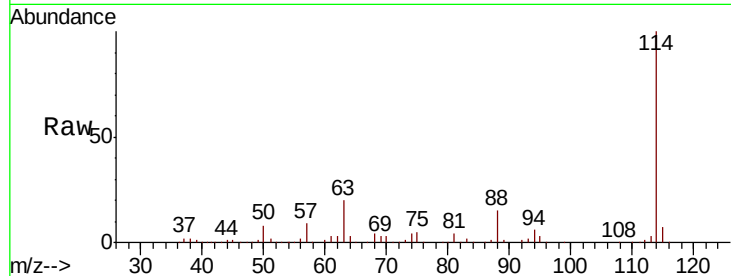




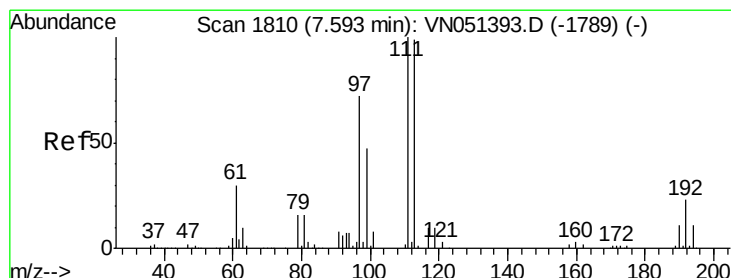
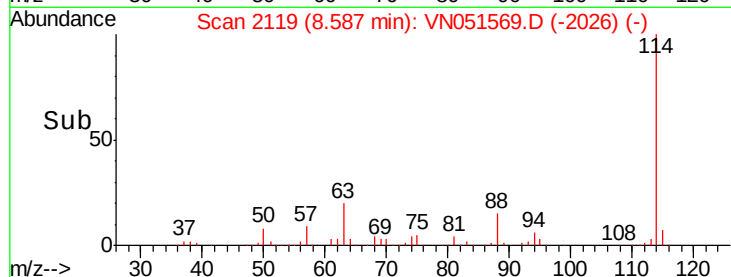
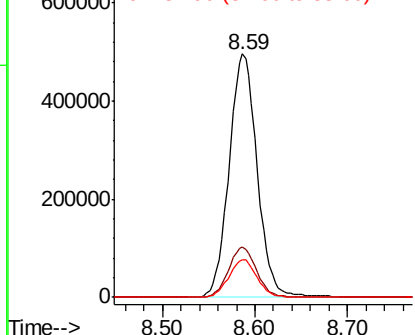
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. -0.00 min  
Lab File: VN051569.D  
Acq: 27 Sep 2018 8:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-02-092418-A

Tot Ion:114 Resp: 1041135  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 40.2  
88 15.4 0.0 31.4

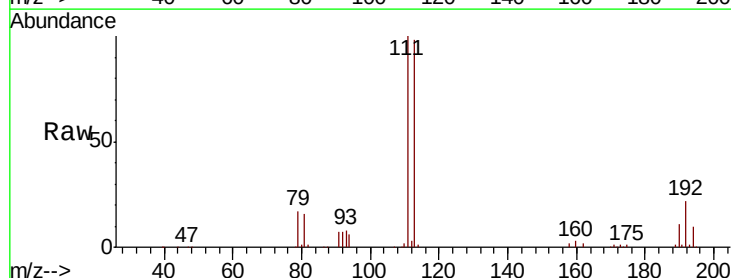


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

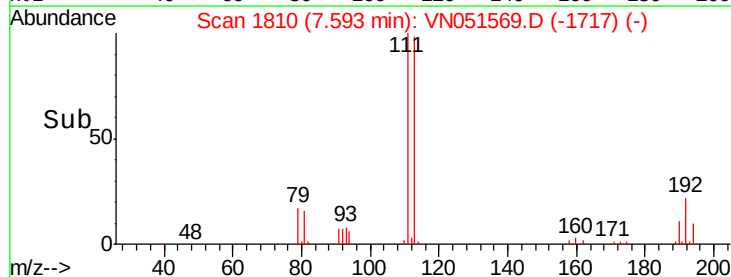
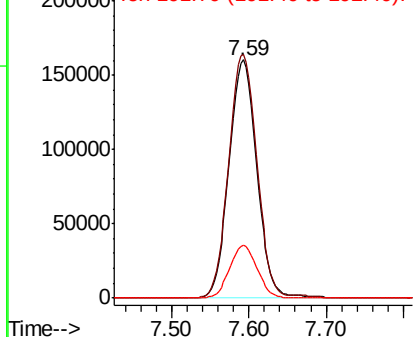


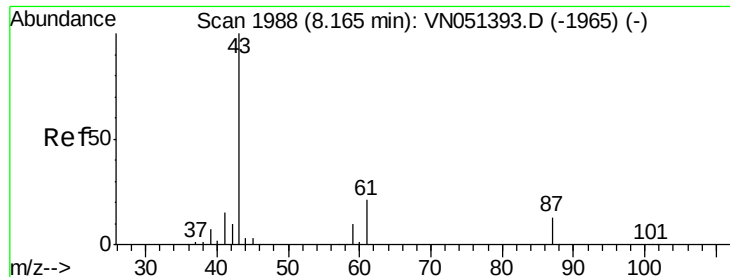
#35  
Dibromofluoromethane  
Concen: 48.099 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. -0.00 min  
Lab File: VN051569.D  
Acq: 27 Sep 2018 8:57

Tgt Ion:113 Resp: 400449  
Ion Ratio Lower Upper  
113 100  
111 104.1 82.6 123.8  
192 22.0 18.0 27.0



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: 18.391 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051569.D

Acq: 27 Sep 2018 8:57

Instrument :

MSVOA\_N

ClientSampleId :

SU-02-092418-A

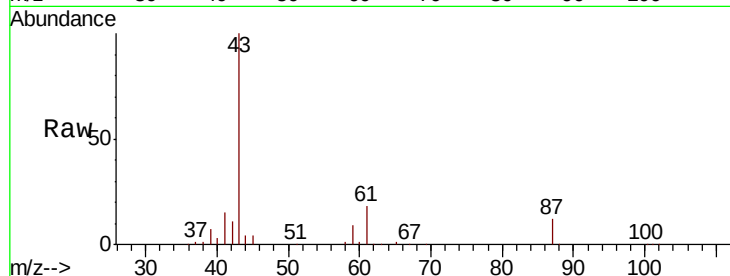
Tot Ion: 43 Resp: 230538

Ion Ratio Lower Upper

43 100

61 17.8 16.8 25.2

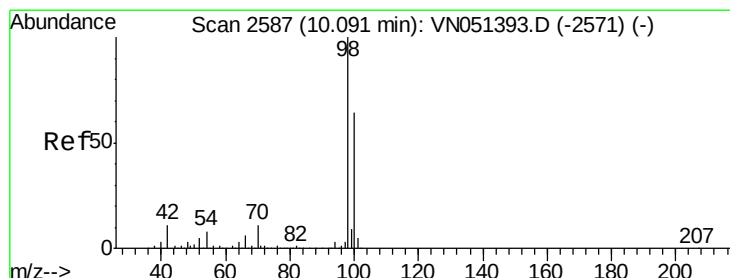
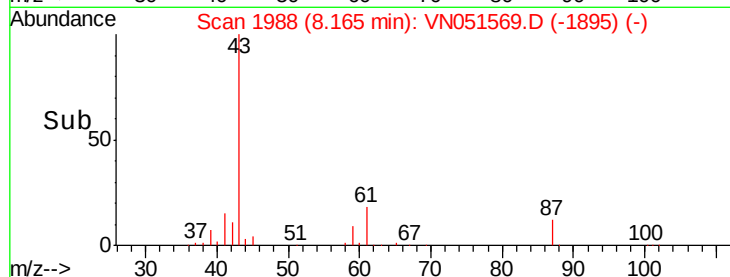
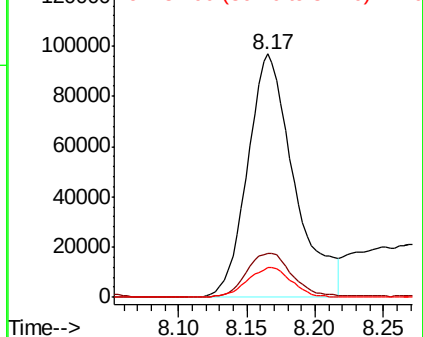
87 11.7 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 46.703 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051569.D

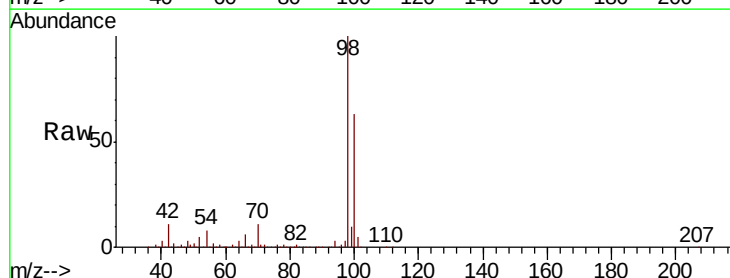
Acq: 27 Sep 2018 8:57

Tgt Ion: 98 Resp: 1464171

Ion Ratio Lower Upper

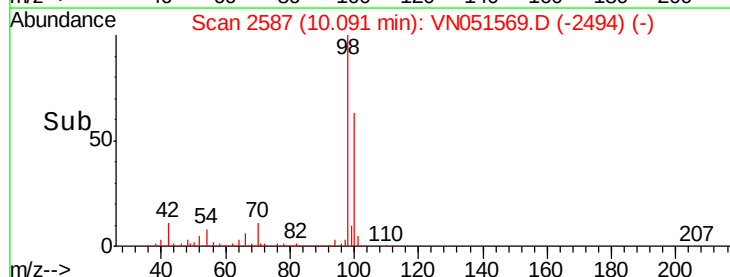
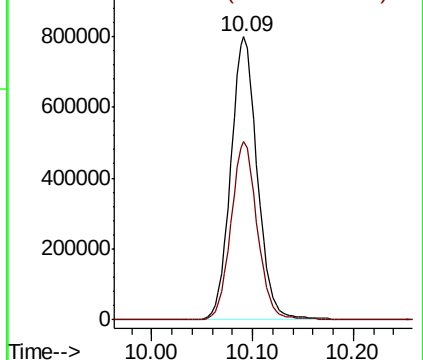
98 100

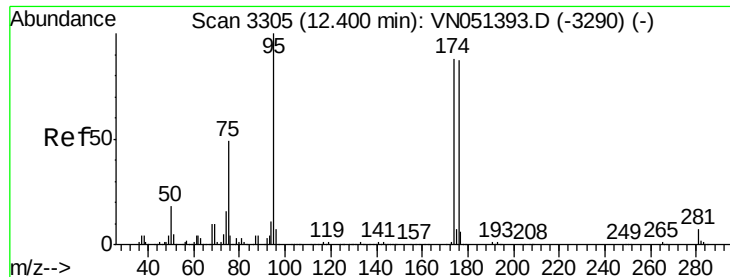
100 62.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

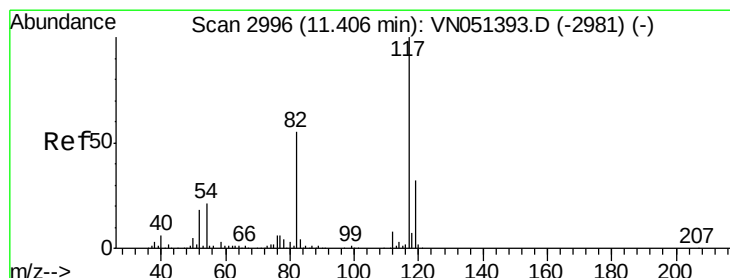
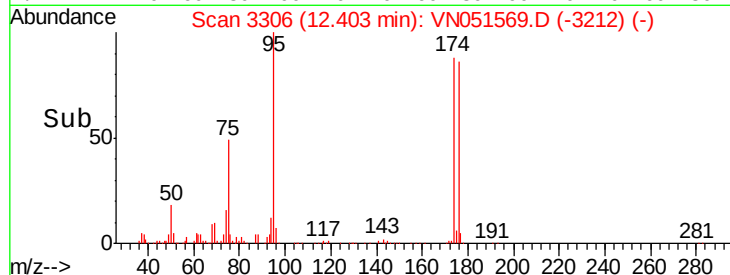
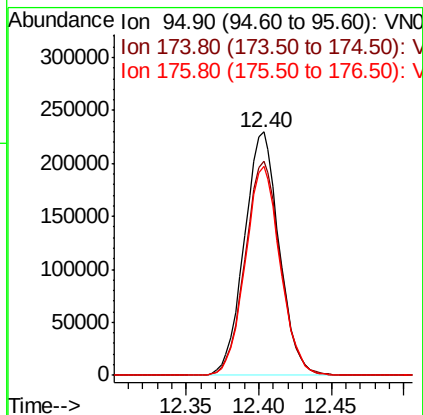
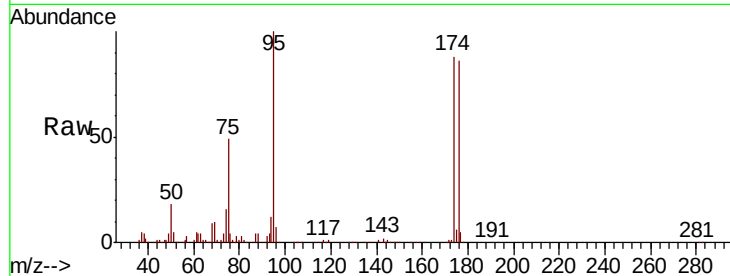




#62  
4-Bromofluorobenzene  
Concen: 37.937 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051569.D  
Acq: 27 Sep 2018 8:57

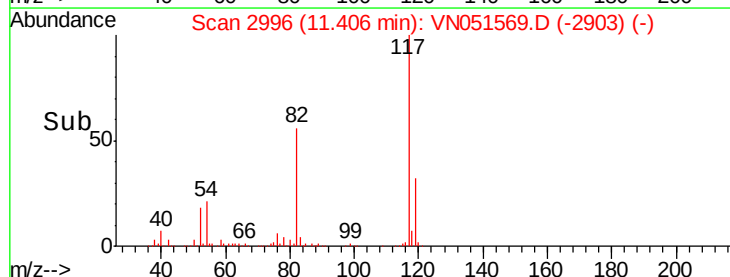
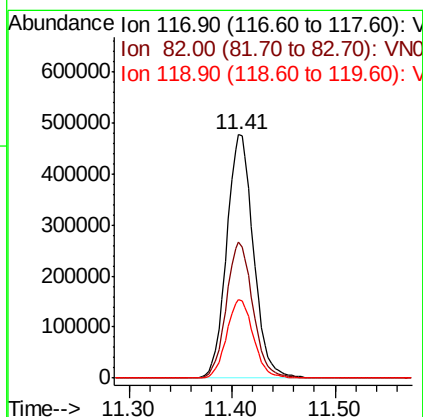
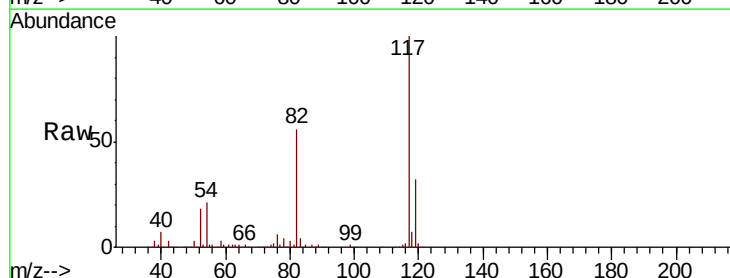
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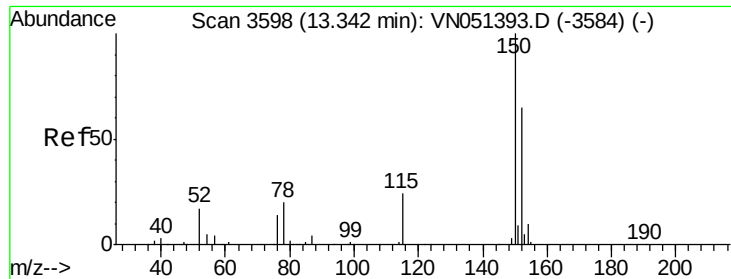
Tot Ion: 95 Resp: 384757  
Ion Ratio Lower Upper  
95 100  
174 88.8 0.0 181.6  
176 85.8 0.0 176.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN051569.D  
Acq: 27 Sep 2018 8:57

Tgt Ion: 117 Resp: 862709  
Ion Ratio Lower Upper  
117 100  
82 55.7 44.2 66.2  
119 32.2 25.9 38.9

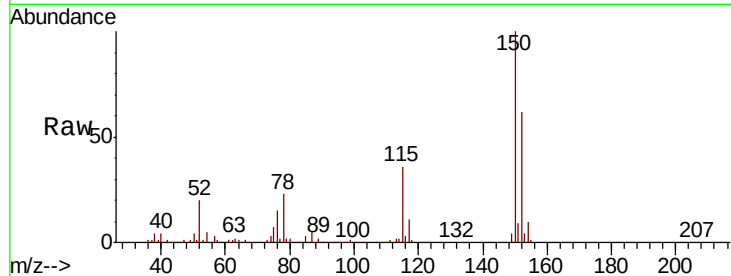




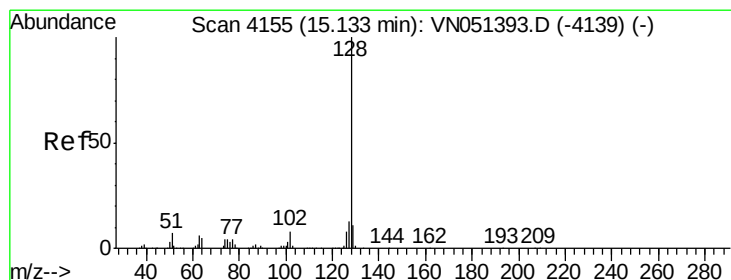
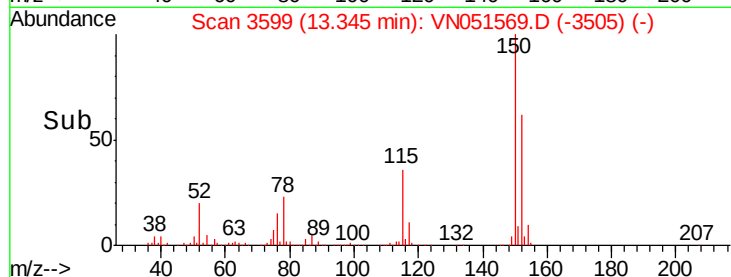
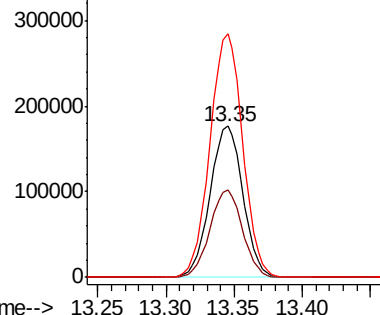
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.35 min Scan# 3599  
 Delta R.T. 0.00 min  
 Lab File: VN051569.D  
 Acq: 27 Sep 2018 8:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-02-092418-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.2  | 28.3  | 84.9  |
| 150     | 160.3 | 0.0   | 353.6 |

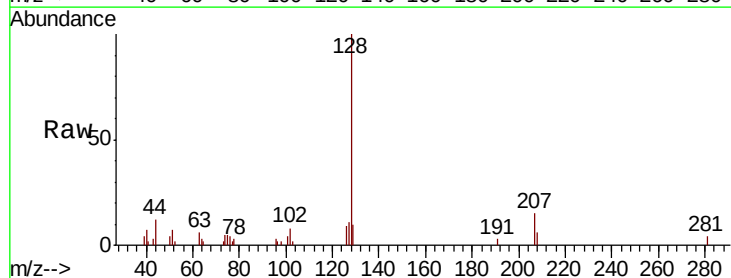


Abundance Ion 151.90 (151.60 to 152.60): V  
 Ion 114.90 (114.60 to 115.60): V  
 Ion 149.90 (149.60 to 150.60): V



#95  
 Naphthalene  
 Concen: 9.302 ug/l  
 RT: 15.13 min Scan# 4155  
 Delta R.T. -0.00 min  
 Lab File: VN051569.D  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.0  | 10.5  | 15.7  |
| 129     | 9.1   | 8.6   | 12.8  |



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

