

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\  
 Data File : VN027194.D  
 Acq On : 16 Sep 2015 6:15  
 Operator : MD\FY  
 Sample : G3629-12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S39-ER-2015-04

Quant Time: Sep 16 06:37:58 2015  
 Quant Method : W:\HPCHEM1\MSVOA\_N\METHODS\82N091515W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 15 21:12:09 2015  
 Response via : Initial Calibration

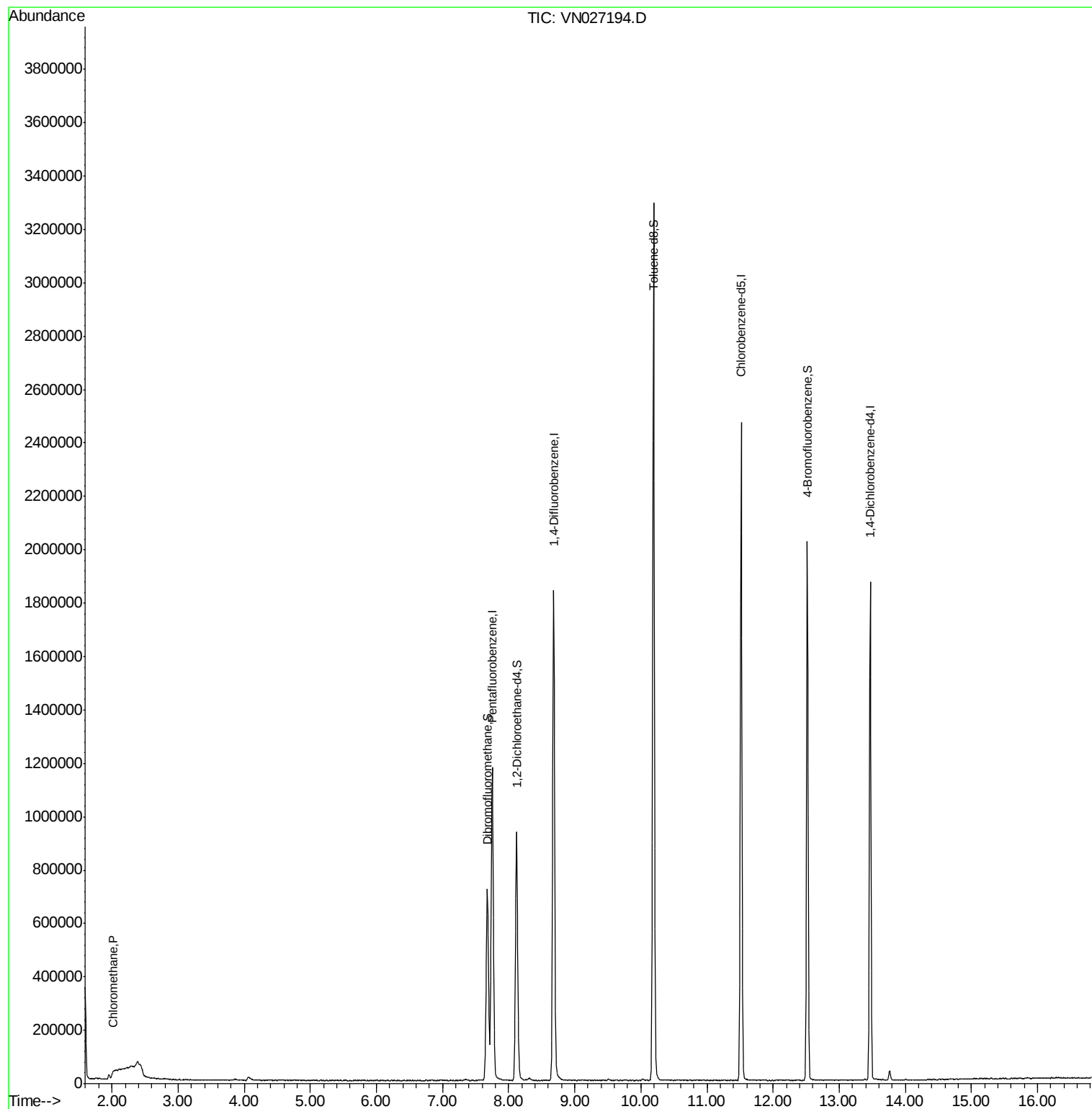
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.75  | 168  | 828851   | 50.00 | ug/l    | 0.00      |
| 35) 1,4-Difluorobenzene     | 8.68  | 114  | 1485873  | 50.00 | ug/l    | 0.00      |
| 64) Chlorobenzene-d5        | 11.52 | 117  | 1231885  | 50.00 | ug/l    | 0.00      |
| 73) 1,4-Dichlorobenzene-d4  | 13.47 | 152  | 420246   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 34) 1,2-Dichloroethane-d4   | 8.12  | 65   | 806235   | 47.47 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.94%  |           |
| 36) Dibromofluoromethane    | 7.68  | 113  | 529578   | 51.42 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.84% |           |
| 51) Toluene-d8              | 10.19 | 98   | 2162727  | 53.63 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.26% |           |
| 63) 4-Bromofluorobenzene    | 12.52 | 95   | 705409   | 49.28 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.56%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 4) Chloromethane            | 2.00  | 50   | 3171     | 1.39  | ug/l    | Qvalue 99 |

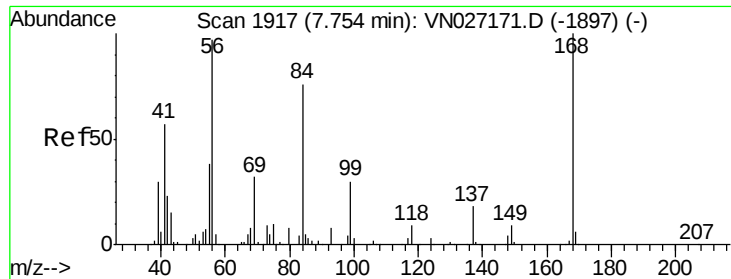
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Sep 15 21:12:09 2015  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027194.D

Acq: 16 Sep 2015 6:15

Instrument :

MSVOA\_N

ClientSampleId :

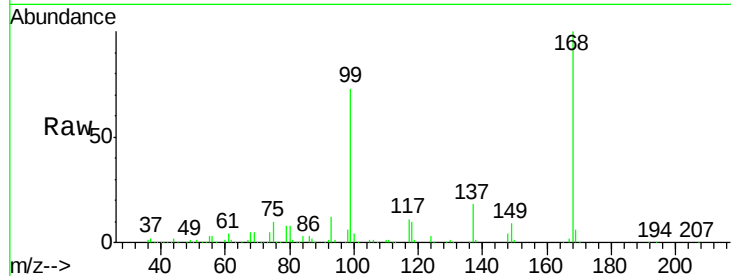
S39-ER-2015-04

Tot Ion:168 Resp: 828851

Ion Ratio Lower Upper

168 100

99 73.0 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

400000

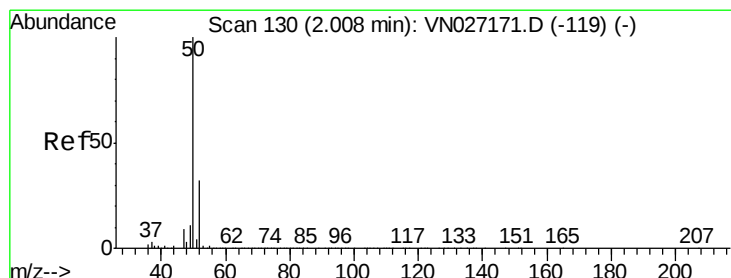
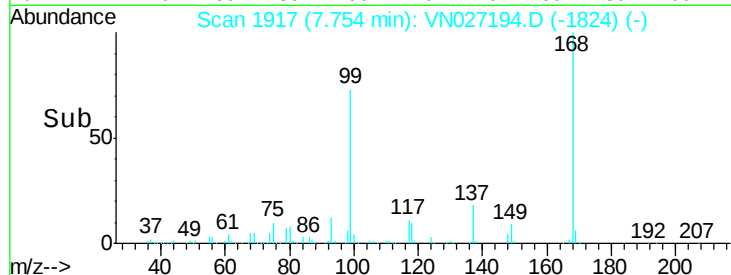
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 1.39 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027194.D

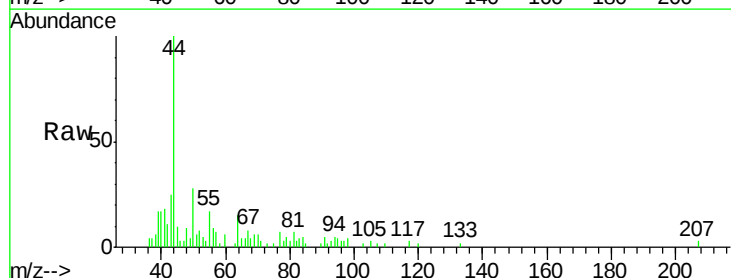
Acq: 16 Sep 2015 6:15

Tgt Ion: 50 Resp: 3171

Ion Ratio Lower Upper

50 100

52 31.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.00

2500

2000

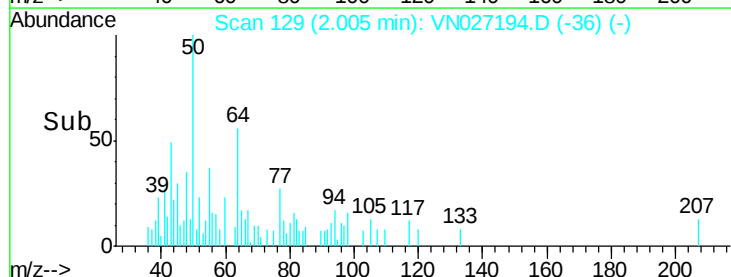
1500

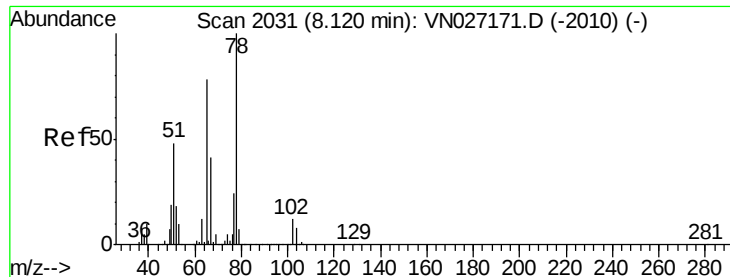
1000

500

0

Time-->

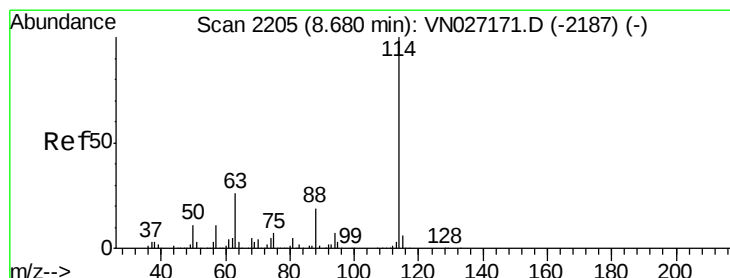
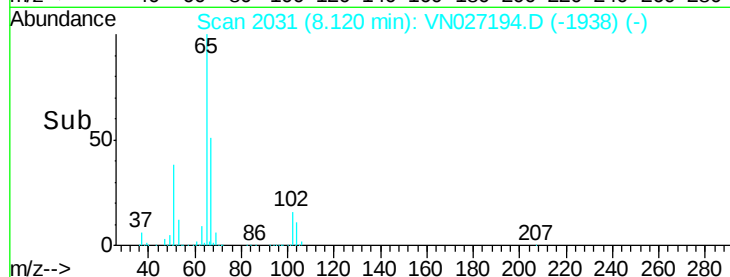
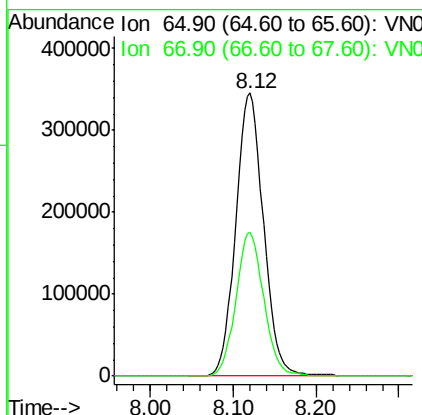
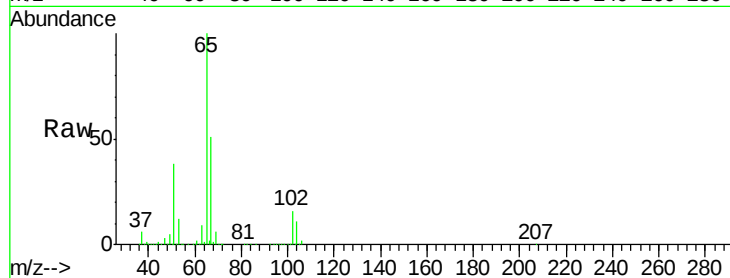




#34  
 1,2-Dichloroethane-d4  
 Concen: 47.47 ug/l  
 RT: 8.12 min Scan# 2031  
 Delta R.T. 0.00 min  
 Lab File: VN027194.D  
 Acq: 16 Sep 2015 6:15

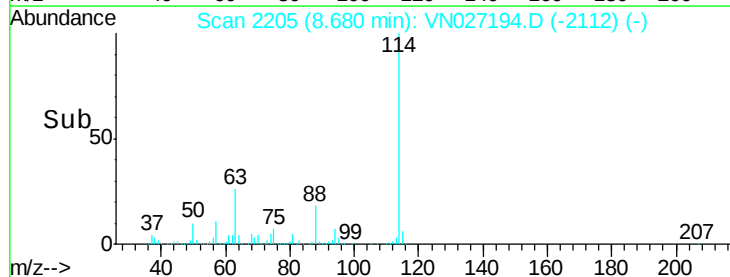
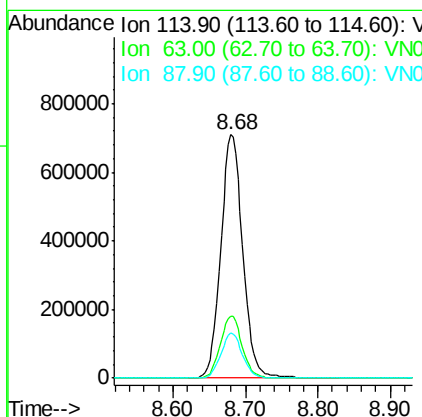
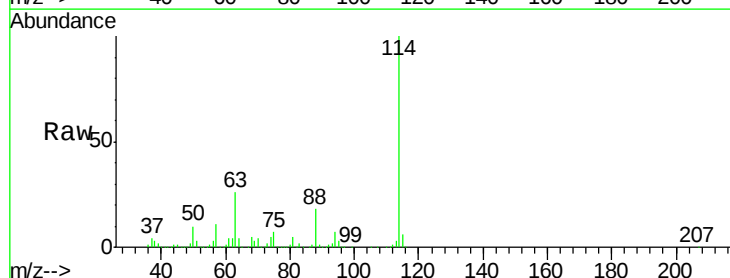
Instrument :  
 MSVOA\_N  
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 S39-ER-2015-04

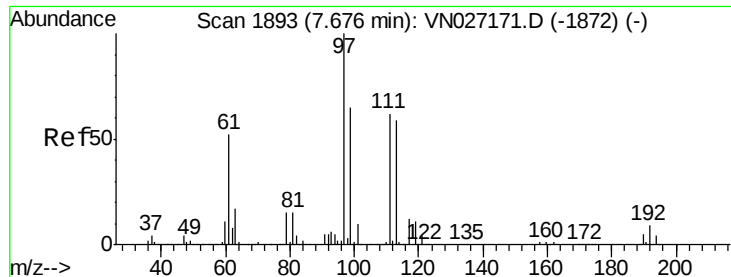
Tot Ion: 65 Resp: 806235  
 Ion Ratio Lower Upper  
 65 100  
 67 50.6 0.0 110.6



#35  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.68 min Scan# 2205  
 Delta R.T. -0.00 min  
 Lab File: VN027194.D  
 Acq: 16 Sep 2015 6:15

Tgt Ion: 114 Resp: 1485873  
 Ion Ratio Lower Upper  
 114 100  
 63 25.6 0.0 48.8  
 88 18.4 0.0 32.2

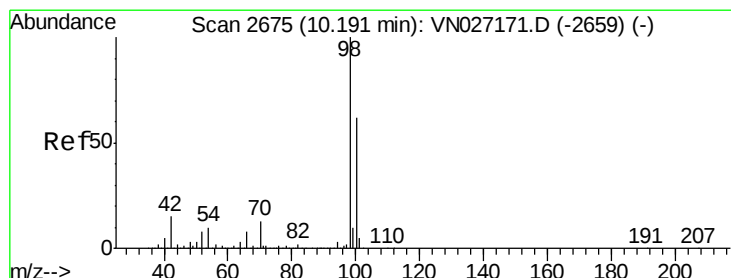
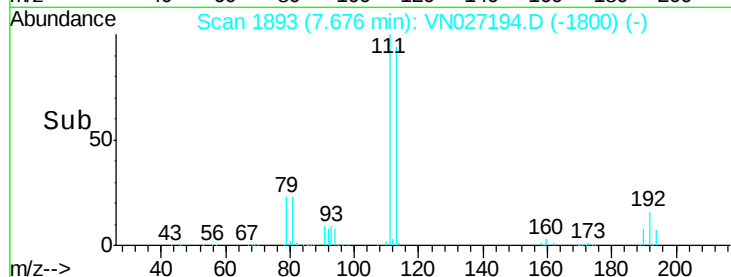
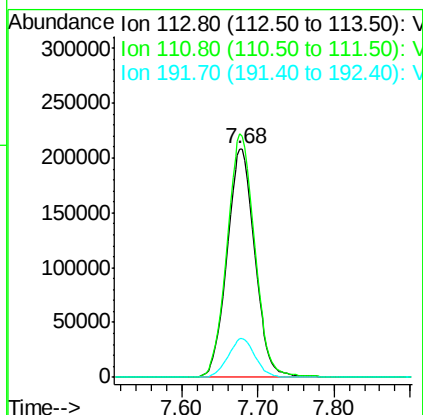
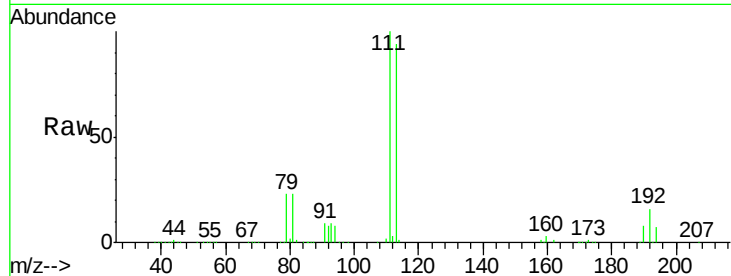




#36  
 Dibromofluoromethane  
 Concen: 51.42 ug/l  
 RT: 7.68 min Scan# 1893  
 Delta R.T. 0.00 min  
 Lab File: VN027194.D  
 Acq: 16 Sep 2015 6:15

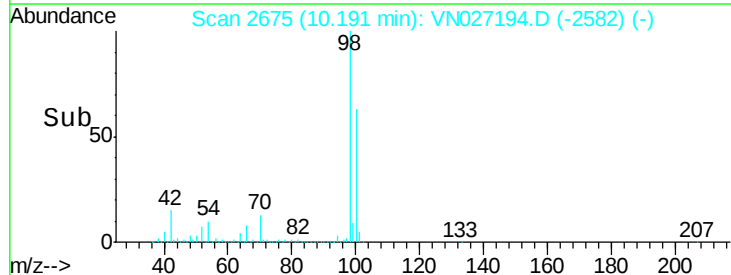
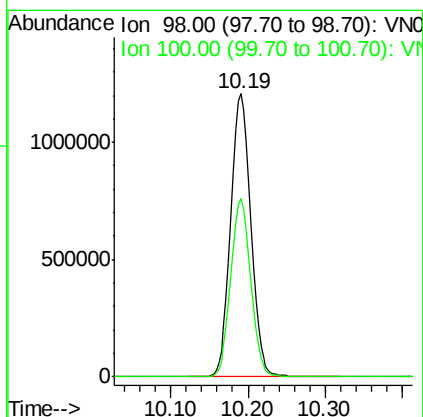
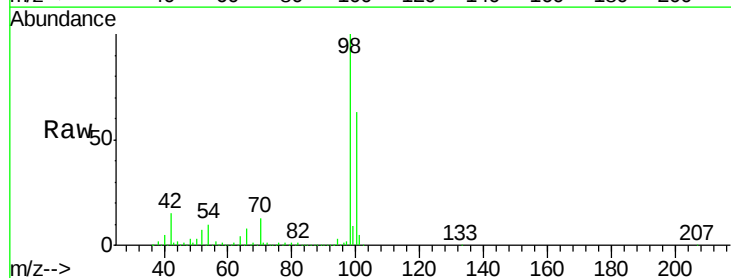
Instrument :  
 MSVOA\_N  
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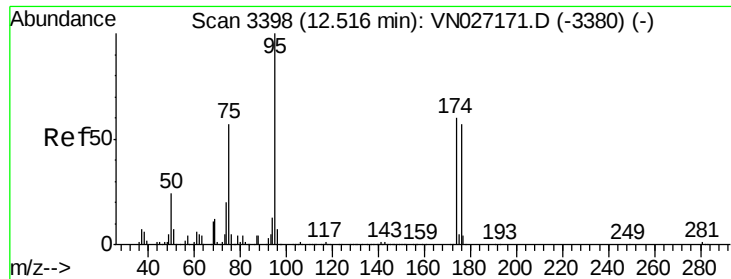
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 106.2 | 83.0  | 124.4 |
| 192     | 16.4  | 14.1  | 21.1  |



#51  
 Toluene-d8  
 Concen: 53.63 ug/l  
 RT: 10.19 min Scan# 2675  
 Delta R.T. 0.00 min  
 Lab File: VN027194.D  
 Acq: 16 Sep 2015 6:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.4  | 50.5  | 75.7  |

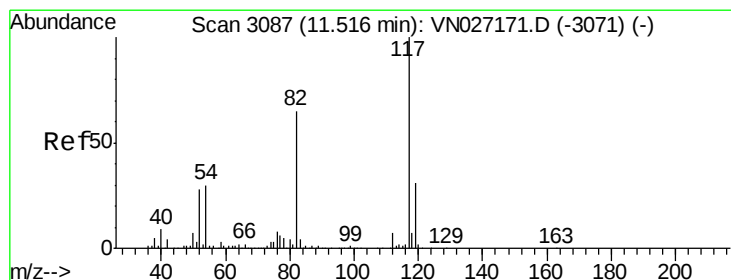
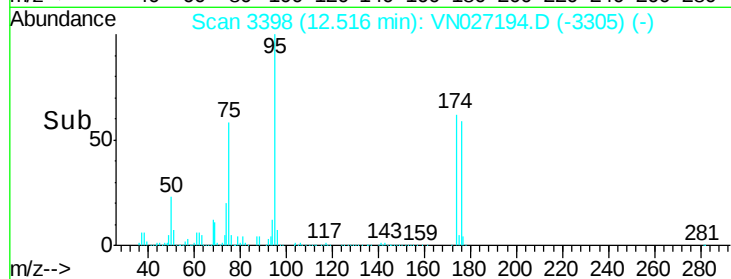
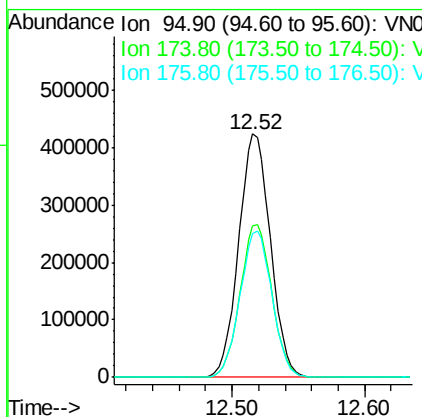
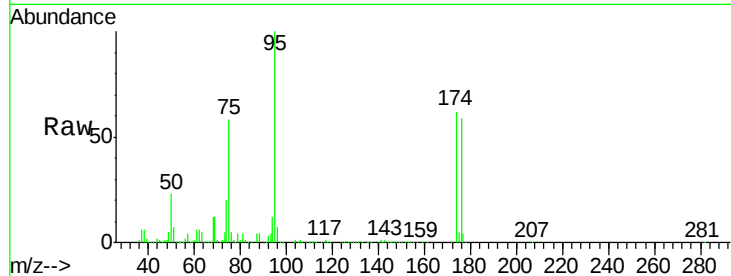




#63  
 4-Bromofluorobenzene  
 Concen: 49.28 ug/l  
 RT: 12.52 min Scan# 3398  
 Delta R.T. 0.00 min  
 Lab File: VN027194.D  
 Acq: 16 Sep 2015 6:15

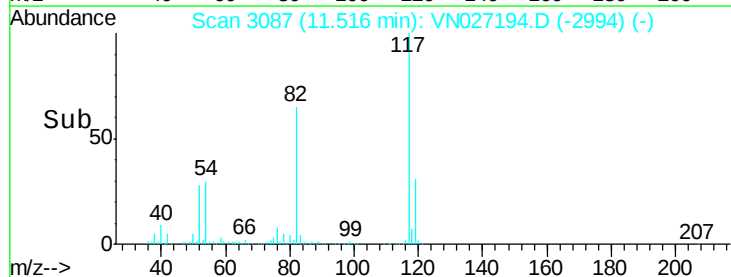
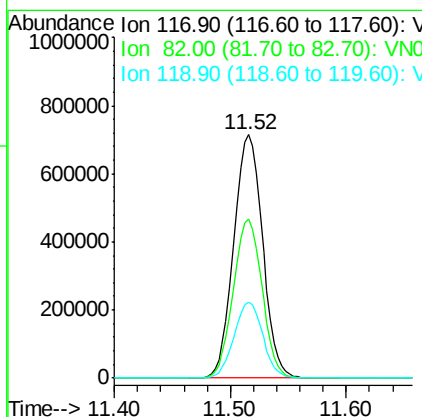
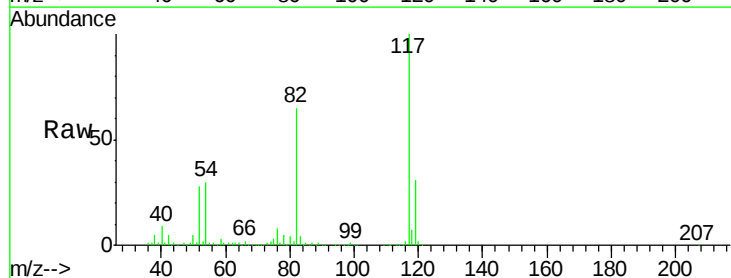
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 MSVOA\_N  
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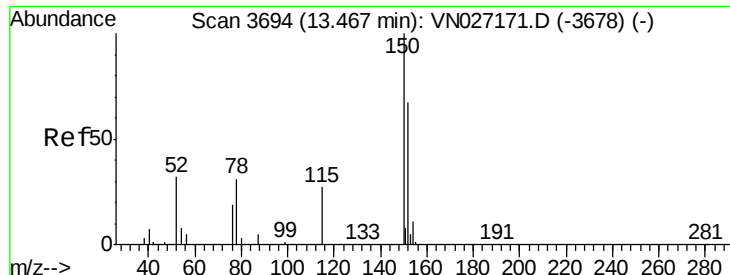
Tot Ion: 95 Resp: 705409  
 Ion Ratio Lower Upper  
 95 100  
 174 62.6 0.0 137.0  
 176 60.4 0.0 130.8



#64  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 11.52 min Scan# 3087  
 Delta R.T. -0.00 min  
 Lab File: VN027194.D  
 Acq: 16 Sep 2015 6:15

Tgt Ion: 117 Resp: 1231885  
 Ion Ratio Lower Upper  
 117 100  
 82 65.1 49.6 74.4  
 119 31.3 24.6 36.8





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027194.D

Acq: 16 Sep 2015 6:15

Instrument :

MSVOA\_N

ClientSampleId :

S39-ER-2015-04

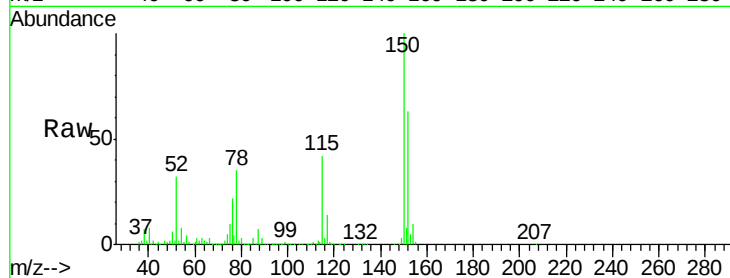
Tot Ion:152 Resp: 420246

Ion Ratio Lower Upper

152 100

115 67.9 30.8 92.3

150 158.5 0.0 345.0



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

