

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN122118\  
 Data File : VN053094.D  
 Acq On : 21 Dec 2018 10:18  
 Operator : MD\SY  
 Sample : J6523-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SPDES-1

Quant Time: Dec 21 10:47:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N112618W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Nov 27 00:48:33 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 162168   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 947928   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 811737   | 30.00 | ug/l  | 0.00     |

System Monitoring Compounds

|                           |        |       |          |          |      |        |
|---------------------------|--------|-------|----------|----------|------|--------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 316687   | 28.66    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 95.53% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 353866   | 28.51    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 95.03% |
| 63) Toluene-d8            | 10.09  | 98    | 1081192  | 28.73    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 95.77% |

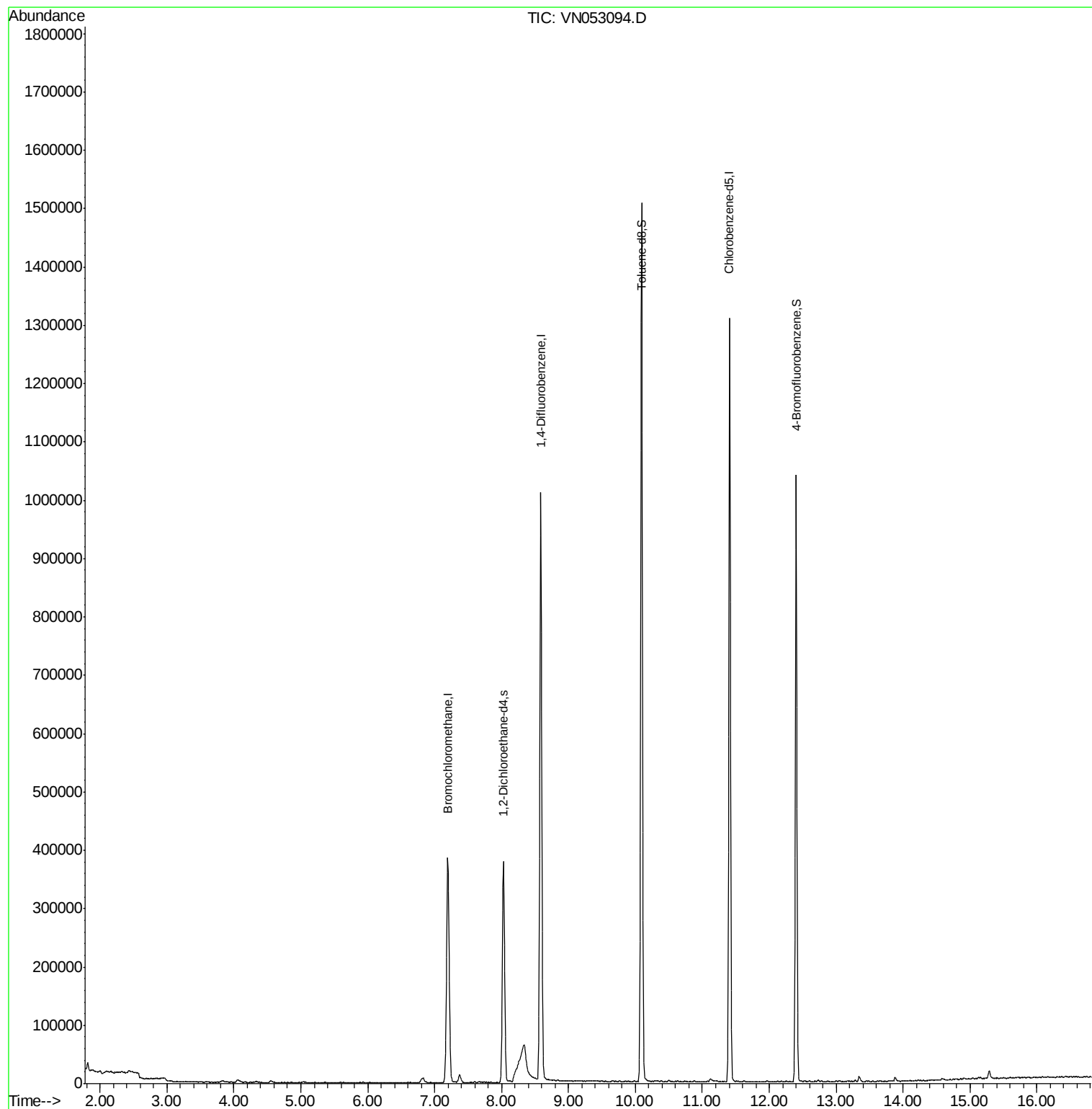
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

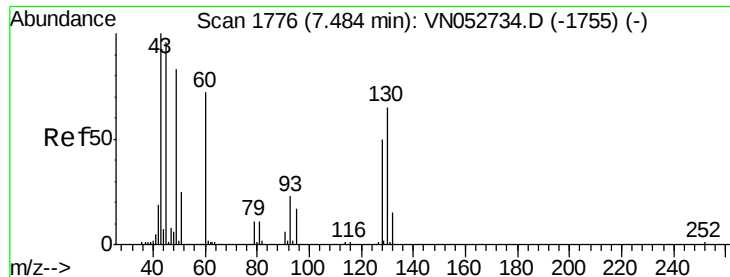
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 27 00:48:33 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053094.D

Acq: 21 Dec 2018 10:18

Instrument :

MSVOA\_N

ClientSampleId :

SPDES-1

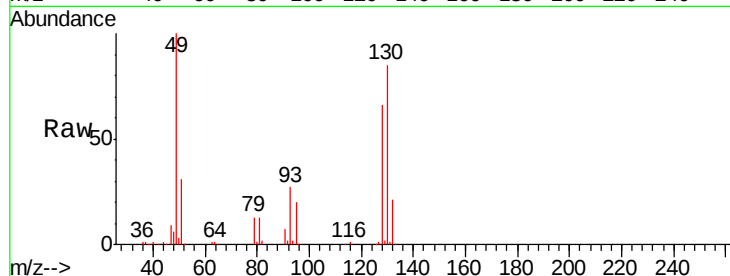
Tgt Ion:128 Resp: 162168

Ion Ratio Lower Upper

128 100

49 152.2 0.0 431.8

130 128.2 0.0 317.0

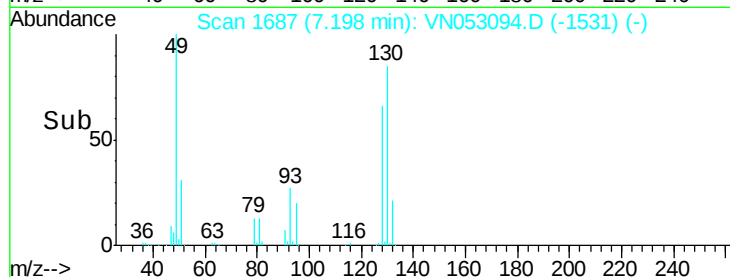


Abundance Ion 128.00 (127.70 to 128.70): VN053094.D (-1687) (-)

Ion 49.00 (48.70 to 49.70): VN053094.D (-1687) (-)

Ion 130.00 (129.70 to 130.70): VN053094.D (-1687) (-)

Time-->



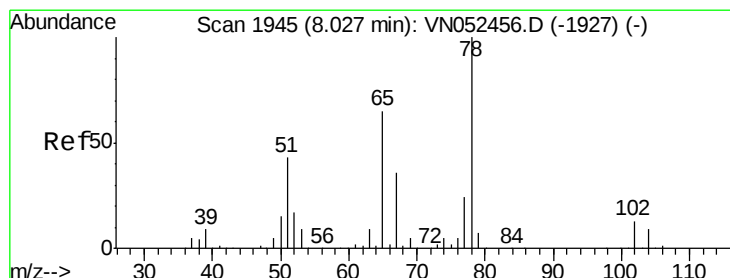
Abundance

Ion 128.00 (127.70 to 128.70): VN053094.D (-1687) (-)

Ion 49.00 (48.70 to 49.70): VN053094.D (-1687) (-)

Ion 130.00 (129.70 to 130.70): VN053094.D (-1687) (-)

Time-->



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053094.D

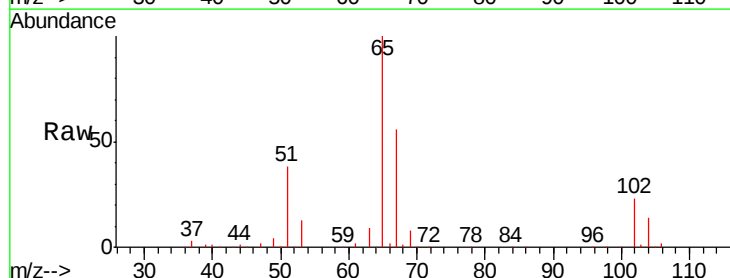
Acq: 21 Dec 2018 10:18

Tgt Ion: 65 Resp: 316687

Ion Ratio Lower Upper

65 100

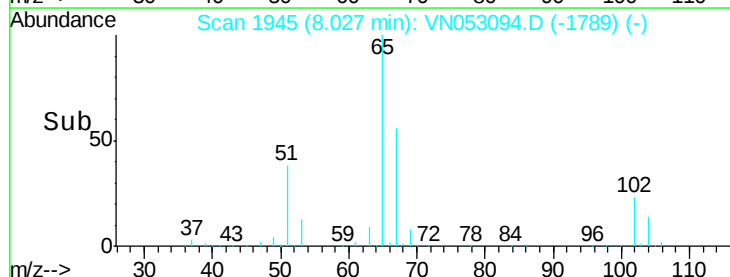
67 54.9 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN053094.D (-1945) (-)

Ion 67.00 (66.70 to 67.70): VN053094.D (-1945) (-)

Time-->

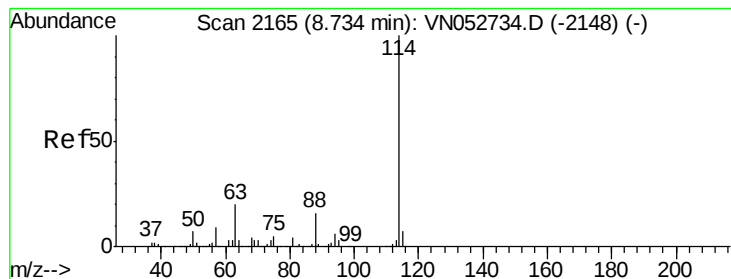


Abundance

Ion 65.00 (64.70 to 65.70): VN053094.D (-1945) (-)

Ion 67.00 (66.70 to 67.70): VN053094.D (-1945) (-)

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053094.D

Acq: 21 Dec 2018 10:18

Instrument :

MSVOA\_N

ClientSampleId :

SPDES-1

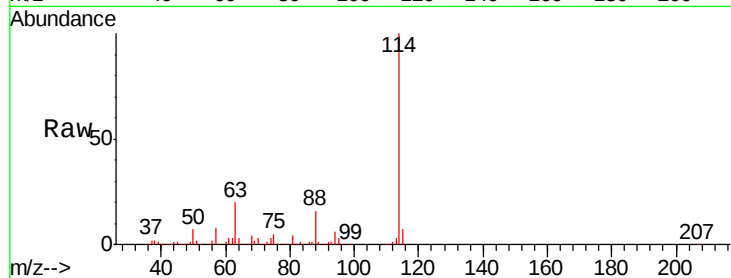
Tgt Ion:114 Resp: 947928

Ion Ratio Lower Upper

114 100

63 19.7 16.9 25.3

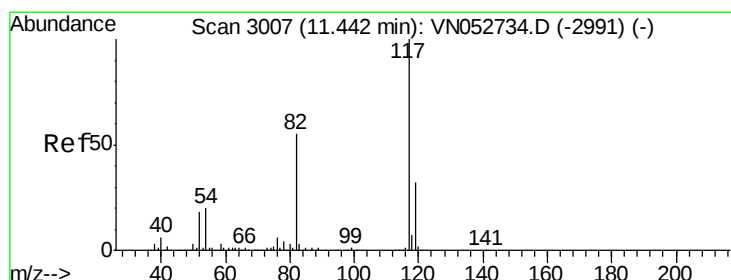
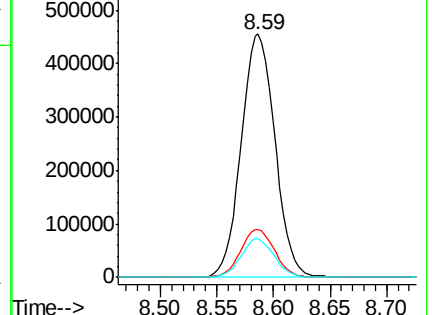
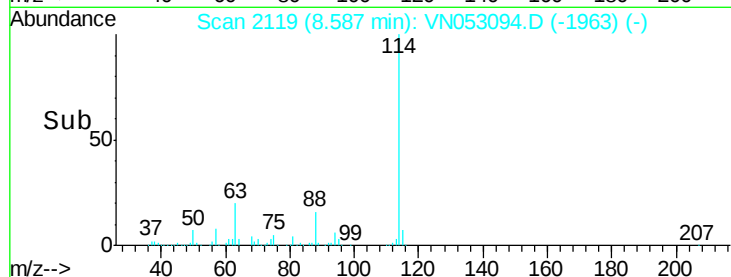
88 15.5 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053094.D

Acq: 21 Dec 2018 10:18

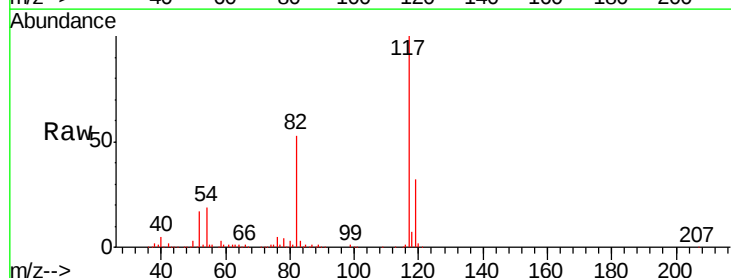
Tgt Ion:117 Resp: 811737

Ion Ratio Lower Upper

117 100

82 52.9 44.2 66.2

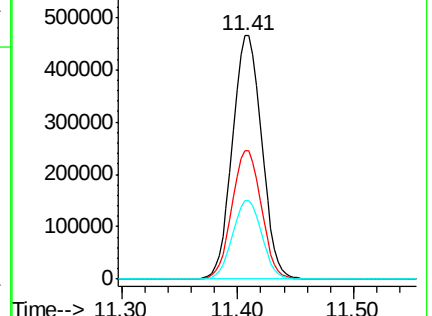
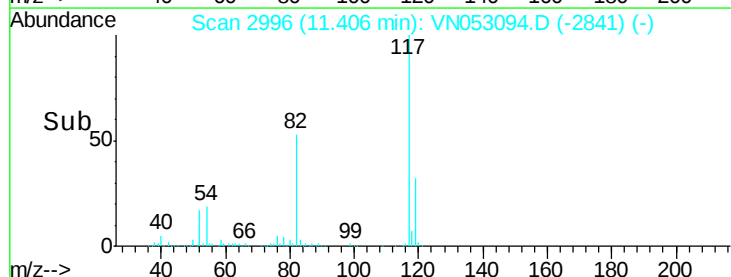
119 32.2 25.4 38.2

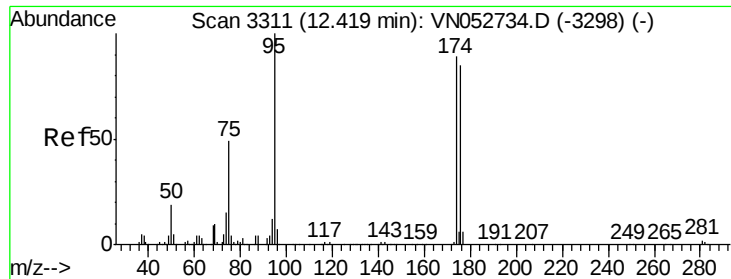


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V

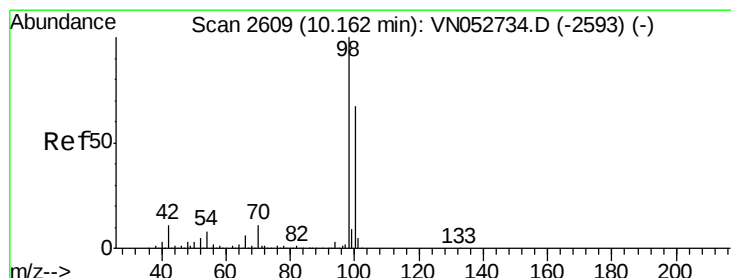
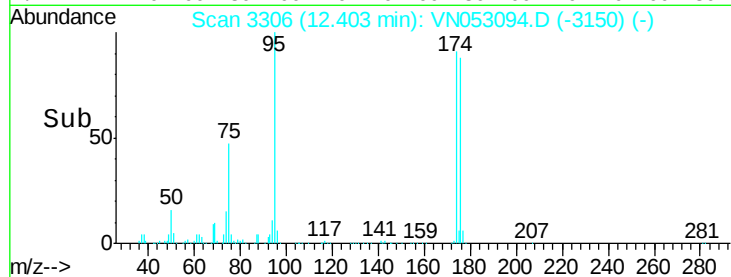
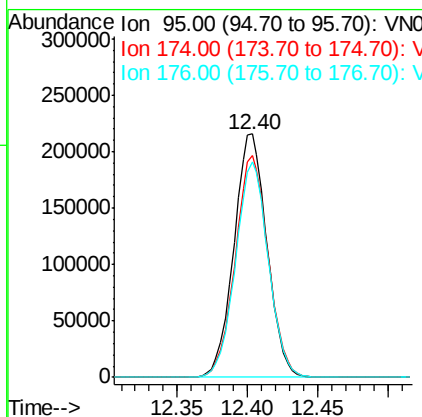
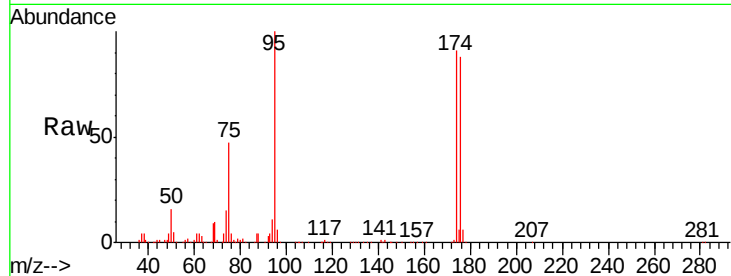




#60  
 4-Bromofluorobenzene  
 Concen: Below ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.00 min  
 Lab File: VN053094.D  
 Acq: 21 Dec 2018 10:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SPDES-1

Tgt Ion: 95 Resp: 353866  
 Ion Ratio Lower Upper  
 95 100  
 174 90.8 67.9 101.9  
 176 87.7 66.4 99.6



#63  
 Toluene-d8  
 Concen: Below ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. 0.00 min  
 Lab File: VN053094.D  
 Acq: 21 Dec 2018 10:18

Tgt Ion: 98 Resp: 1081192  
 Ion Ratio Lower Upper  
 98 100  
 100 64.3 51.1 76.7

