

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN091818\  
 Data File : VN051290.D  
 Acq On : 18 Sep 2018 12:09  
 Operator : MD\SY  
 Sample : J4907-17  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-09-13-18

Quant Time: Sep 18 15:20:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N082818W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 29 01:38:44 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 96940    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 492173   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 400575   | 30.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4   | 8.03   | 65    | 179074   | 28.95    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 50 - 169 | Recovery | =    | 96.50%  |
| 60) 4-Bromofluorobenzene    | 12.40  | 95    | 117219   | 19.68    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 56 - 143 | Recovery | =    | 65.60%  |
| 63) Toluene-d8              | 10.09  | 98    | 571338   | 30.59    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 66 - 137 | Recovery | =    | 101.97% |

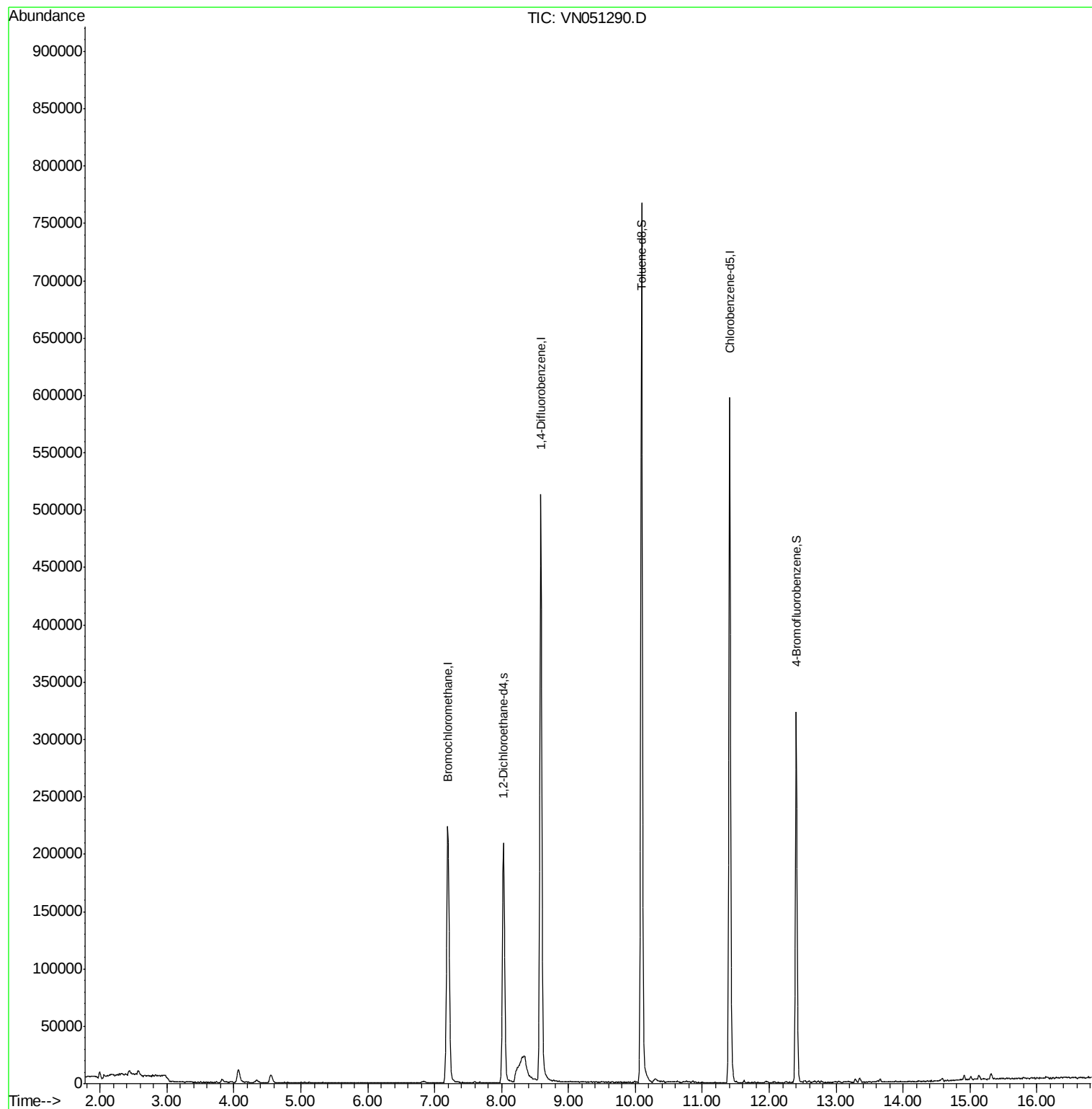
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

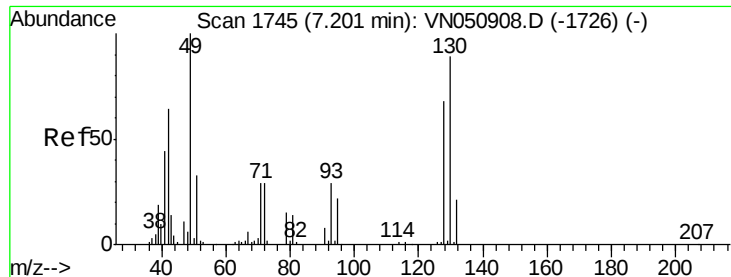
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 29 01:38:44 2018  
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051290.D

Acq: 18 Sep 2018 12:09

Instrument :

MSVOA\_N

ClientSampleId :

TB-09-13-18

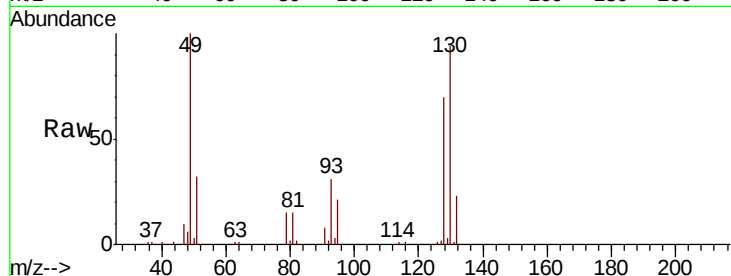
Tgt Ion:128 Resp: 96940

Ion Ratio Lower Upper

128 100

49 140.2 0.0 380.3

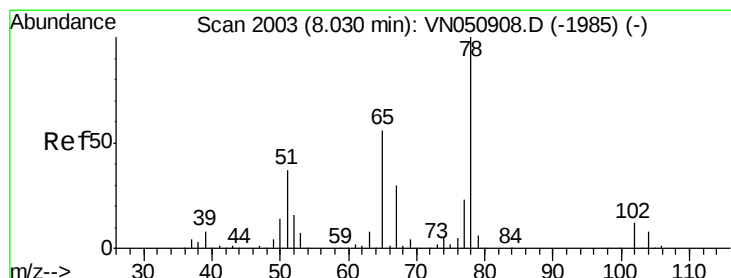
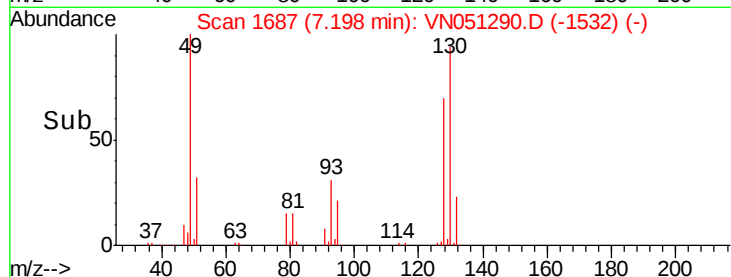
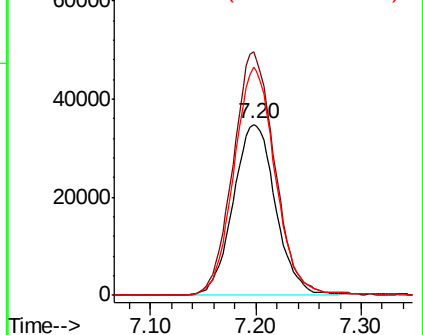
130 130.5 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 28.948 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051290.D

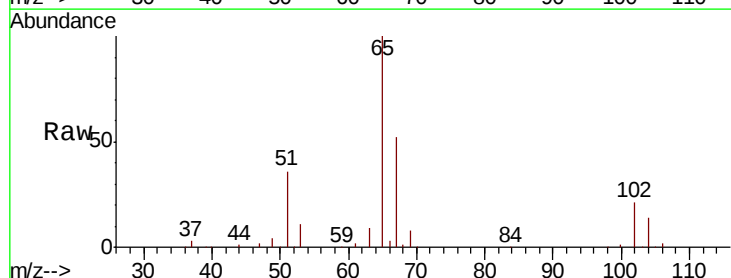
Acq: 18 Sep 2018 12:09

Tgt Ion: 65 Resp: 179074

Ion Ratio Lower Upper

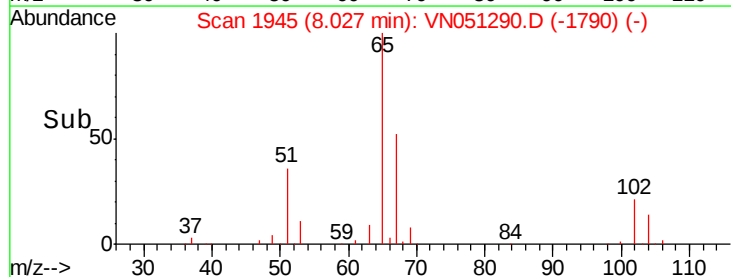
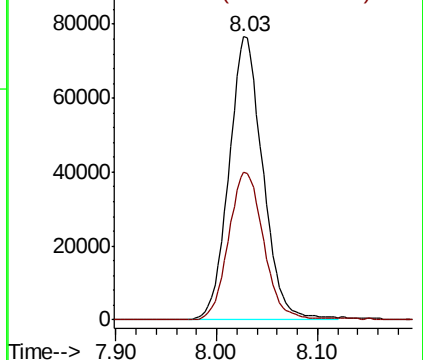
65 100

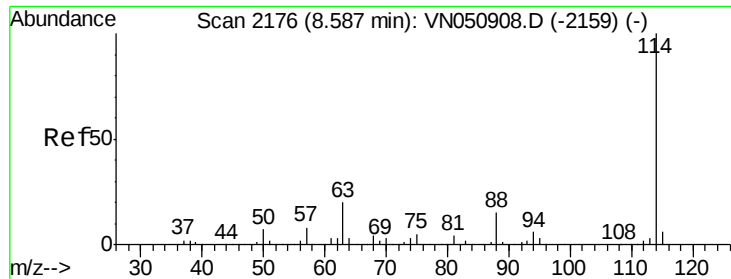
67 53.8 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

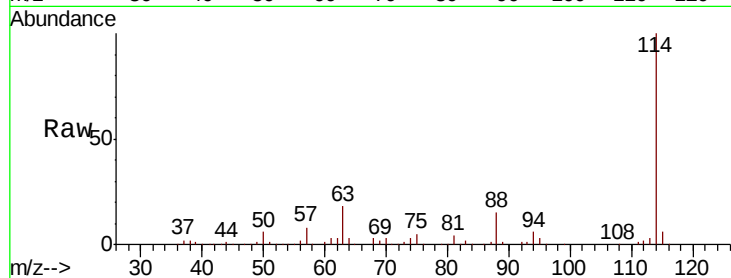




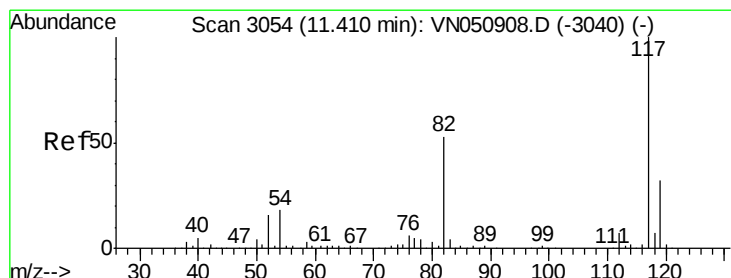
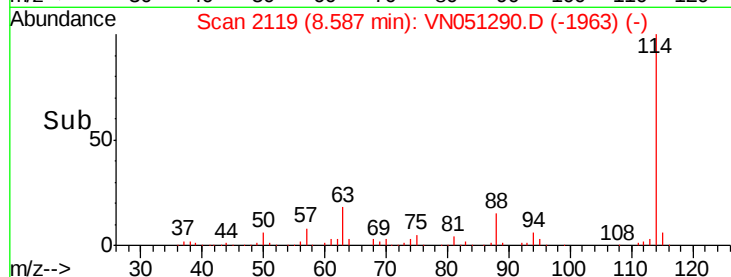
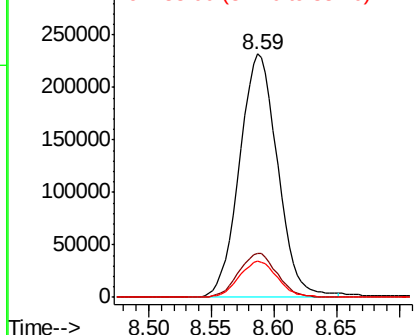
#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN051290.D  
 Acq: 18 Sep 2018 12:09

Instrument :  
 MSVOA\_N  
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Tgt Ion:114 Resp: 492173  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 15.6 23.4  
 88 15.2 12.2 18.4

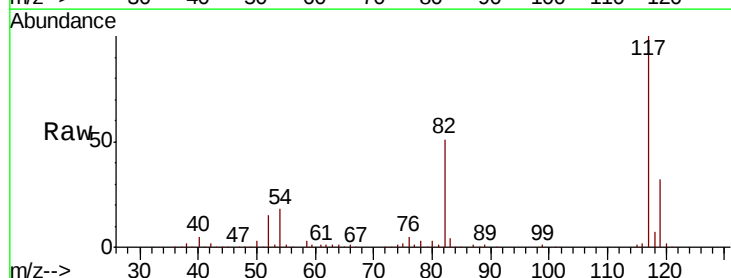


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 88.00 (87.70 to 88.70): VN

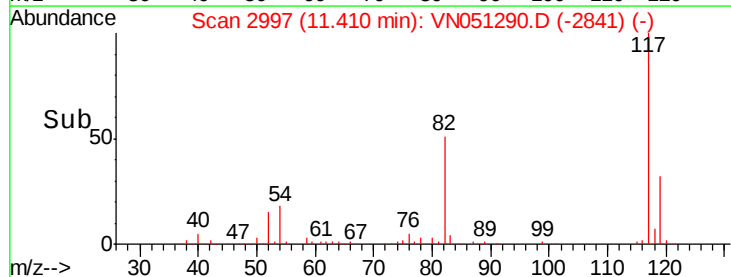
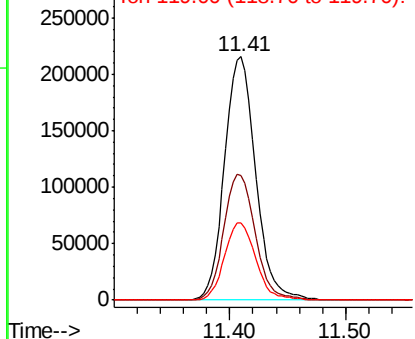


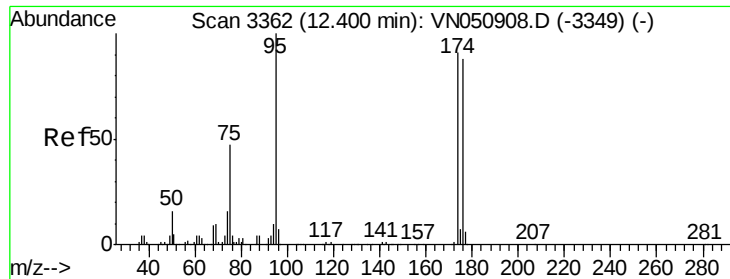
#57  
 Chlorobenzene-d5  
 Concen: 30.000 ug/l  
 RT: 11.41 min Scan# 2997  
 Delta R.T. 0.00 min  
 Lab File: VN051290.D  
 Acq: 18 Sep 2018 12:09

Tgt Ion:117 Resp: 400575  
 Ion Ratio Lower Upper  
 117 100  
 82 52.3 42.6 64.0  
 119 32.0 25.7 38.5



Abundance Ion 117.00 (116.70 to 117.70): V  
 Ion 82.00 (81.70 to 82.70): VN  
 Ion 119.00 (118.70 to 119.70): V

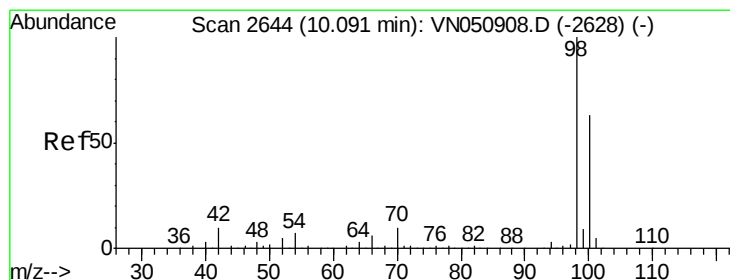
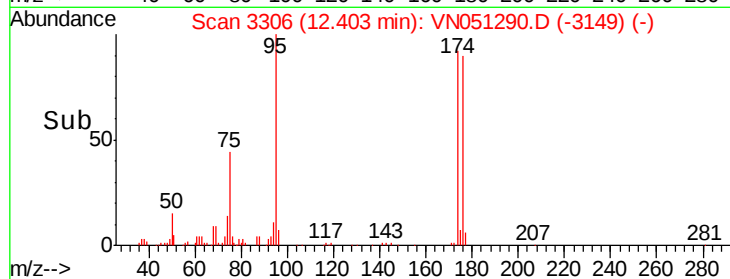
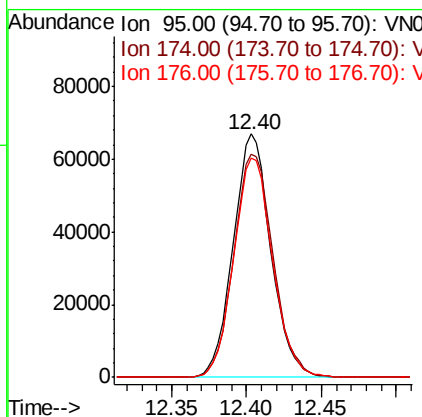
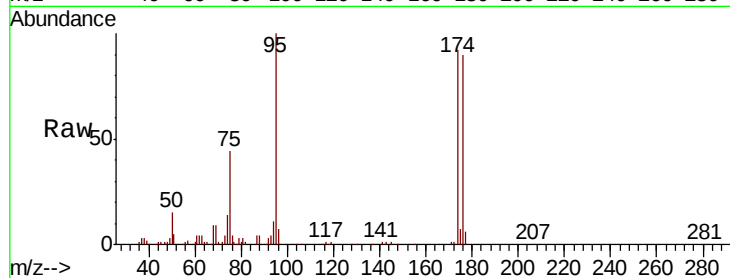




#60  
4-Bromofluorobenzene  
Concen: 19.679 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051290.D  
Acq: 18 Sep 2018 12:09

Instrument :  
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Tgt Ion: 95 Resp: 117219  
Ion Ratio Lower Upper  
95 100  
174 96.0 74.6 112.0  
176 93.2 71.5 107.3



#63  
Toluene-d8  
Concen: 30.585 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN051290.D  
Acq: 18 Sep 2018 12:09

Tgt Ion: 98 Resp: 571338  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.6 75.8

