

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\  
 Data File : VN051186.D  
 Acq On : 14 Sep 2018 13:33  
 Operator : MD\SY  
 Sample : J4907-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CBH-140(4)

Quant Time: Sep 17 14:47:39 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  | 102242   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 489785   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 397954   | 30.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4   | 8.03   | 65    | 190135   | 29.14    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 50 - 169 | Recovery | =    | 97.13%  |
| 60) 4-Bromofluorobenzene    | 12.40  | 95    | 118088   | 19.96    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 56 - 143 | Recovery | =    | 66.53%  |
| 63) Toluene-d8              | 10.09  | 98    | 569127   | 30.67    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 66 - 137 | Recovery | =    | 102.23% |

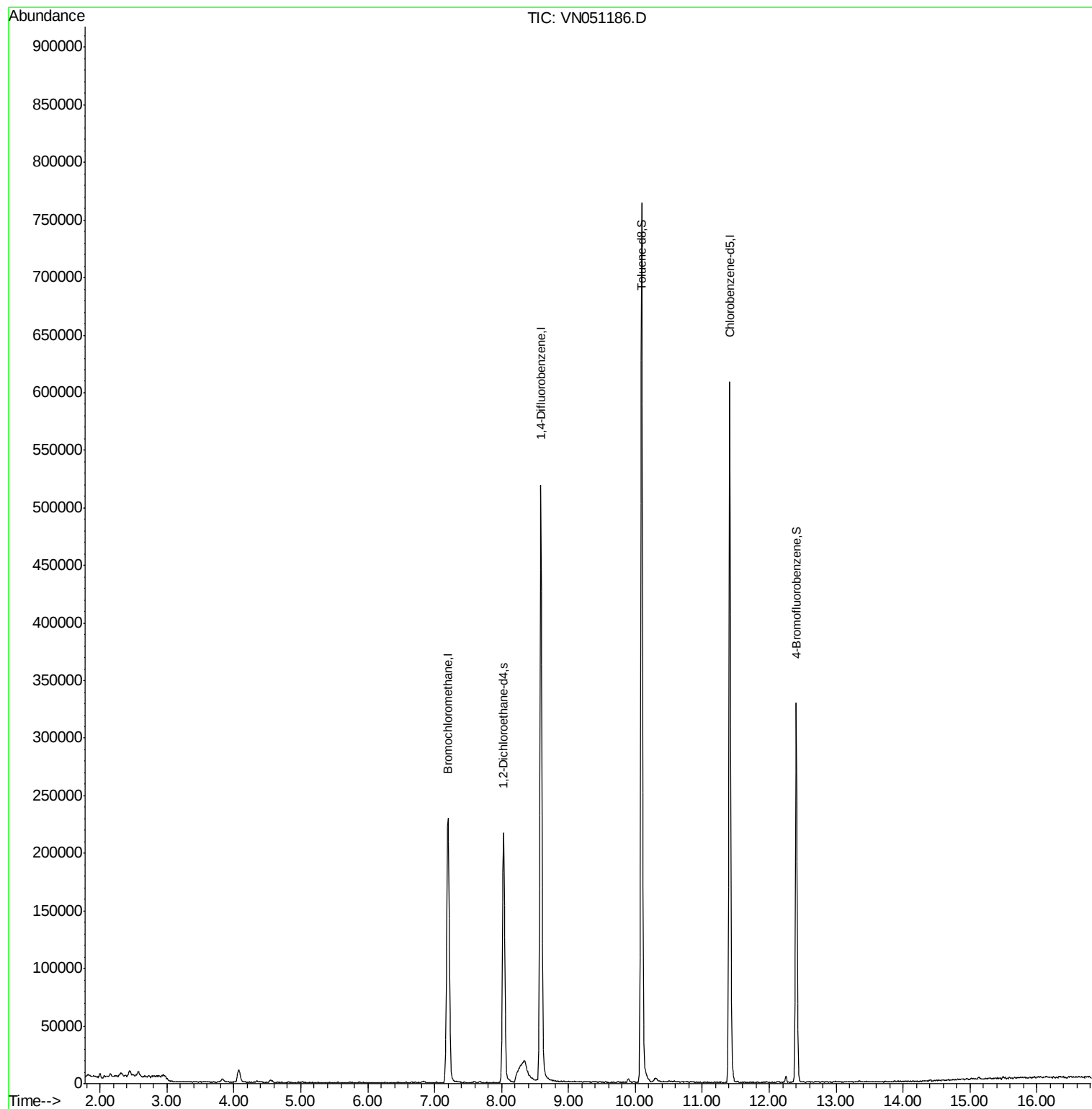
| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

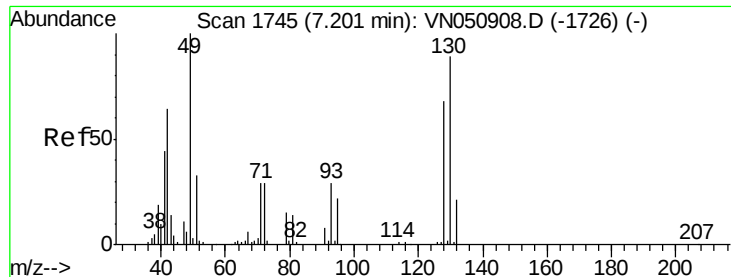
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Aug 29 01:38:44 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051186.D

Acq: 14 Sep 2018 13:33

Instrument :

MSVOA\_N

ClientSampled :

CBH-140(4)

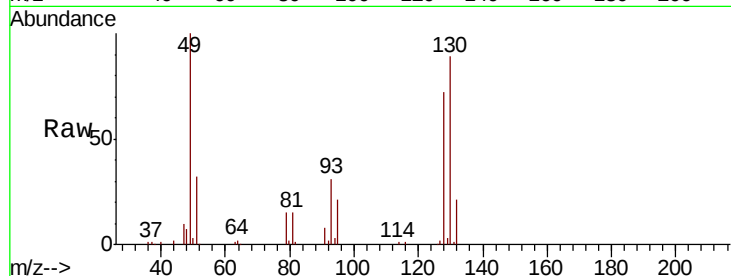
Tot Ion:128 Resp: 102242

Ion Ratio Lower Upper

128 100

49 140.2 0.0 380.3

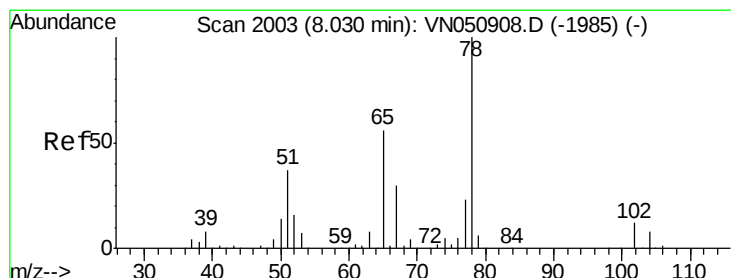
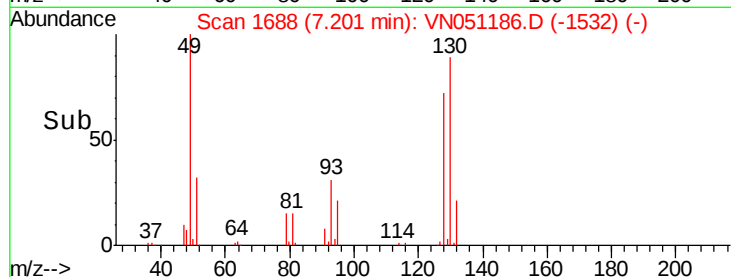
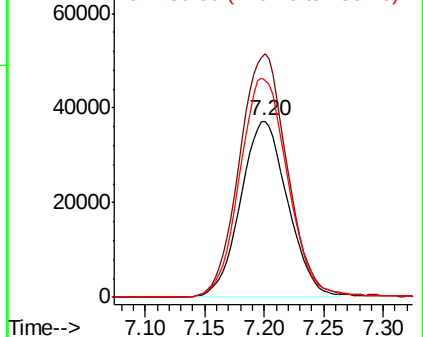
130 127.1 0.0 325.3



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: 29.14 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051186.D

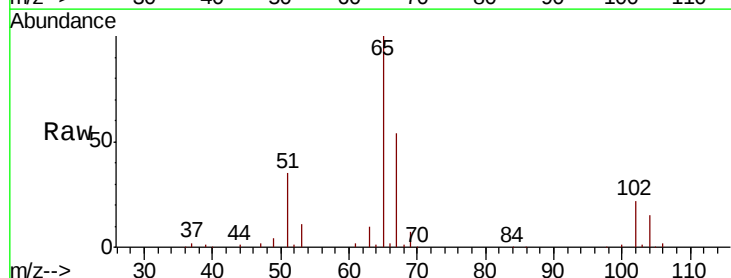
Acq: 14 Sep 2018 13:33

Tgt Ion: 65 Resp: 190135

Ion Ratio Lower Upper

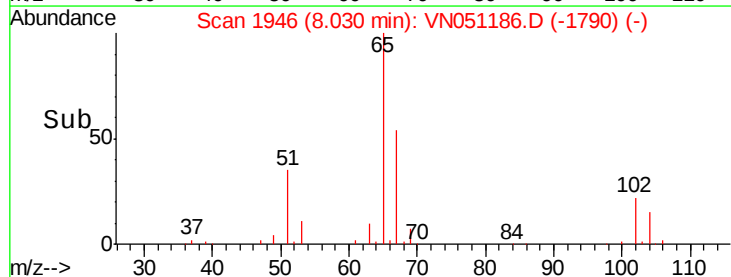
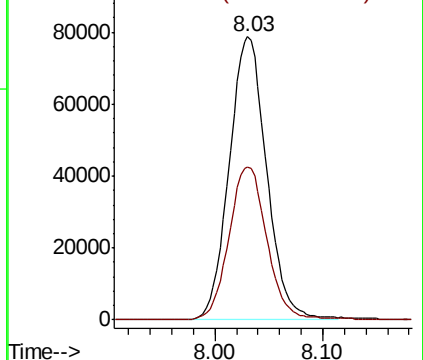
65 100

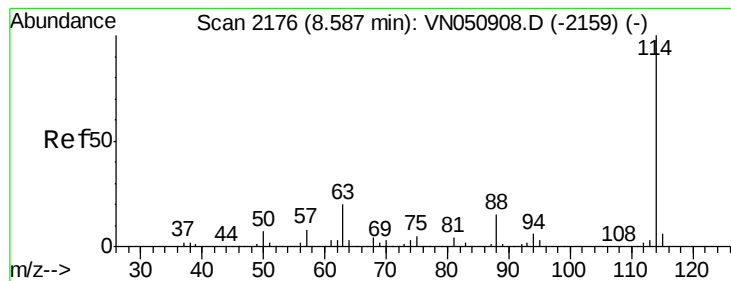
67 54.6 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051186.D

Acq: 14 Sep 2018 13:33

Instrument :

MSVOA\_N

ClientSampleId :

CBH-140(4)

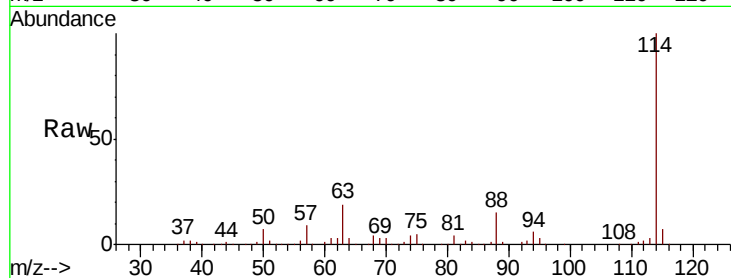
Tot Ion:114 Resp: 489785

Ion Ratio Lower Upper

114 100

63 19.2 15.6 23.4

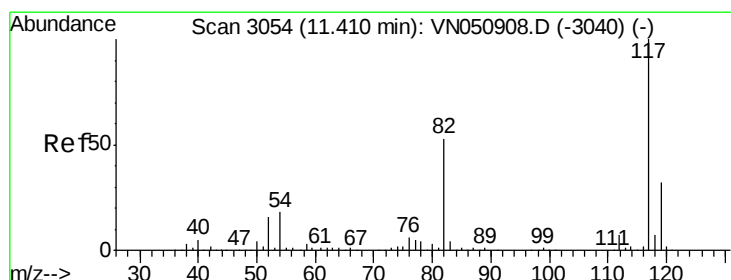
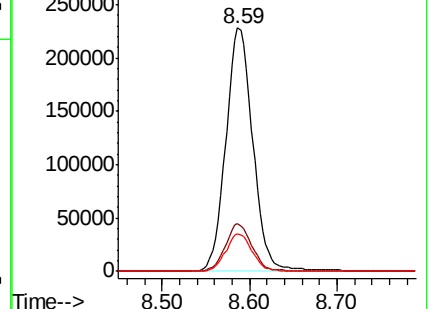
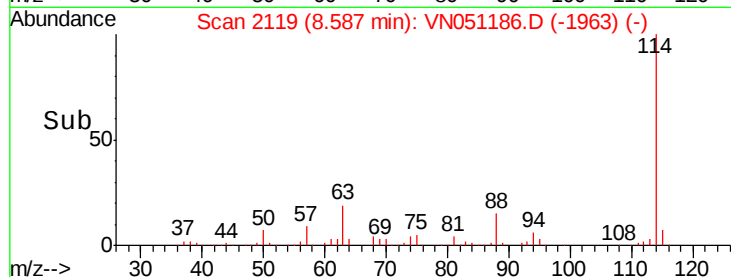
88 15.2 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051186.D

Acq: 14 Sep 2018 13:33

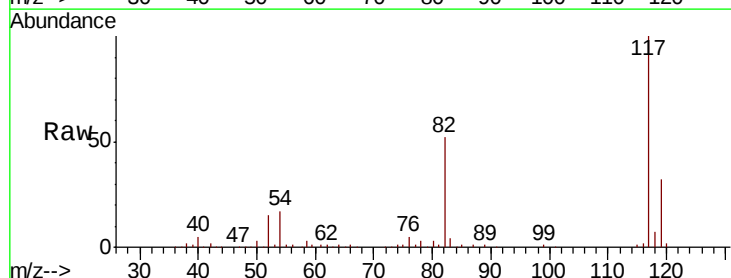
Tgt Ion:117 Resp: 397954

Ion Ratio Lower Upper

117 100

82 51.9 42.6 64.0

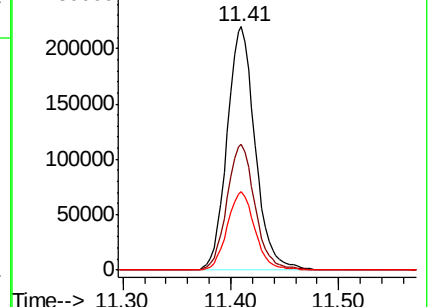
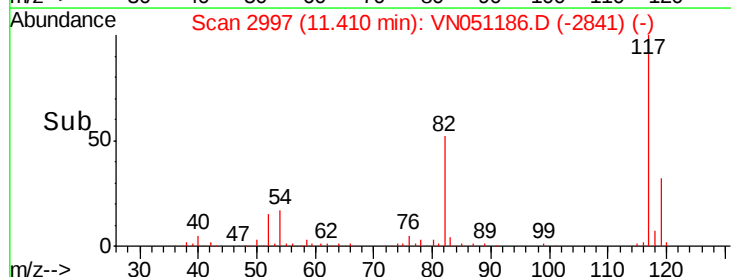
119 32.0 25.7 38.5

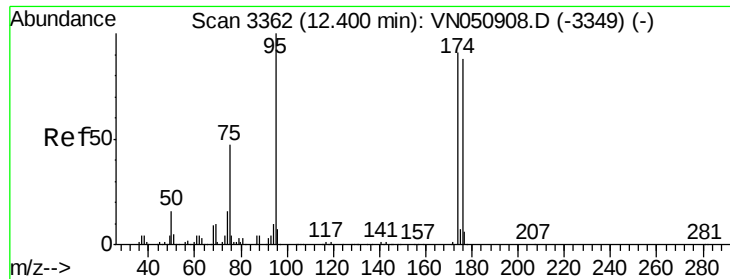


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V

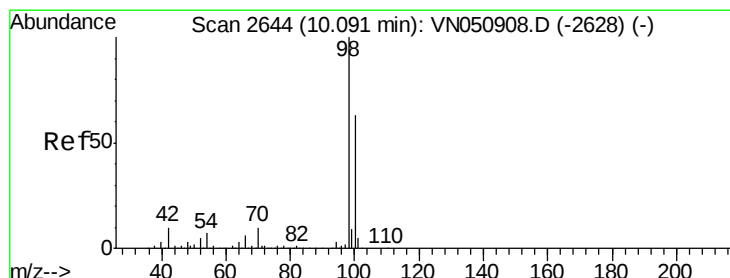
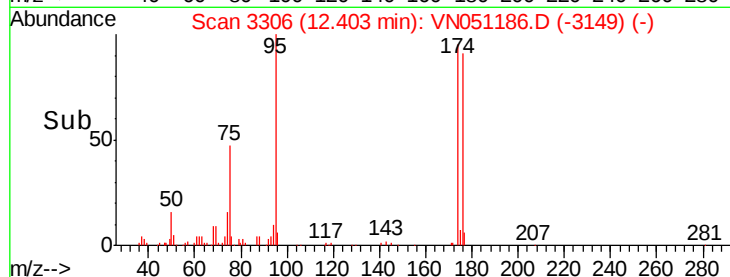
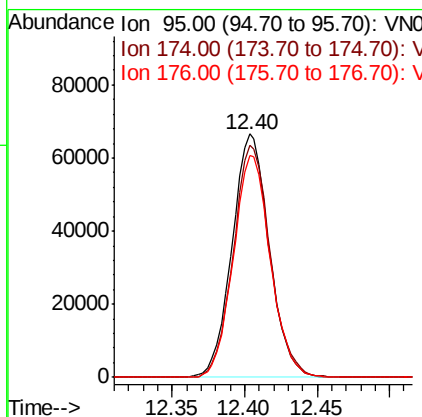
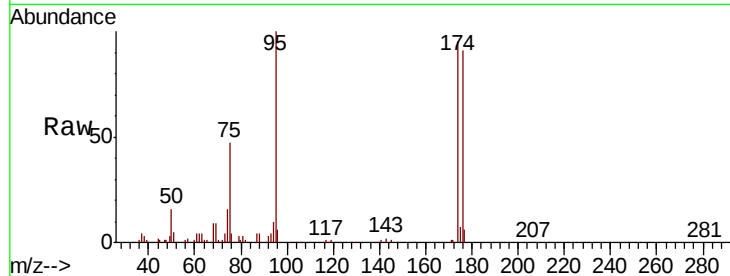




#60  
4-Bromofluorobenzene  
Concen: 19.96 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051186.D  
Acq: 14 Sep 2018 13:33

Instrument :  
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ClientSampleId :  
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Tot Ion: 95 Resp: 118088  
Ion Ratio Lower Upper  
95 100  
174 95.3 74.6 112.0  
176 91.1 71.5 107.3



#63  
Toluene-d8  
Concen: 30.67 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN051186.D  
Acq: 14 Sep 2018 13:33

Tgt Ion: 98 Resp: 569127  
Ion Ratio Lower Upper  
98 100  
100 62.3 50.6 75.8

