

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\  
 Data File : VN050305.D  
 Acq On : 3 Aug 2018 11:05  
 Operator : MD\SY  
 Sample : VN0803WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBL01

Quant Time: Aug 03 23:13:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jul 26 15:21:50 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 123605   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 655591   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 515152   | 30.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4   | 8.03   | 65    | 258447   | 30.76    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 50 - 169 | Recovery | =    | 102.53% |
| 60) 4-Bromofluorobenzene    | 12.40  | 95    | 171822   | 21.71    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 56 - 143 | Recovery | =    | 72.37%  |
| 63) Toluene-d8              | 10.09  | 98    | 735073   | 29.87    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 66 - 137 | Recovery | =    | 99.57%  |

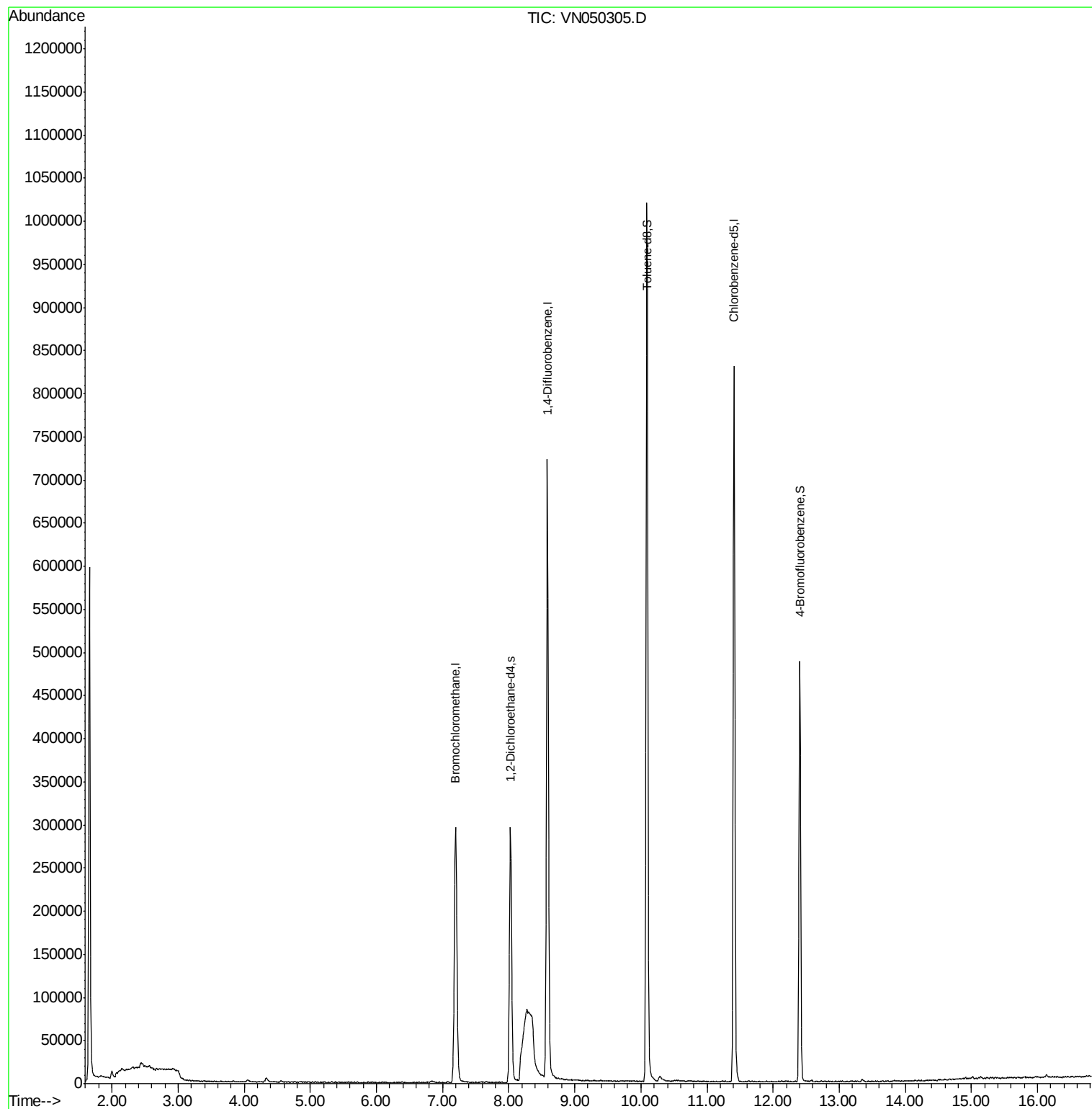
| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

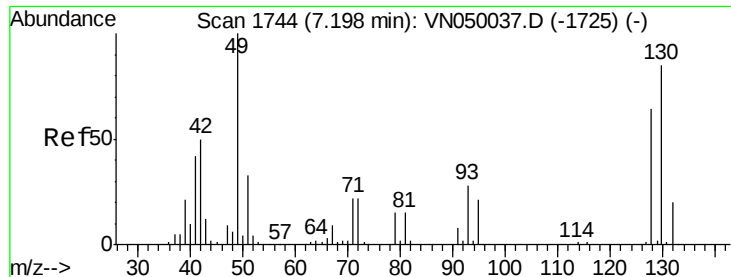
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 26 15:21:50 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050305.D

Acq: 3 Aug 2018 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBL01

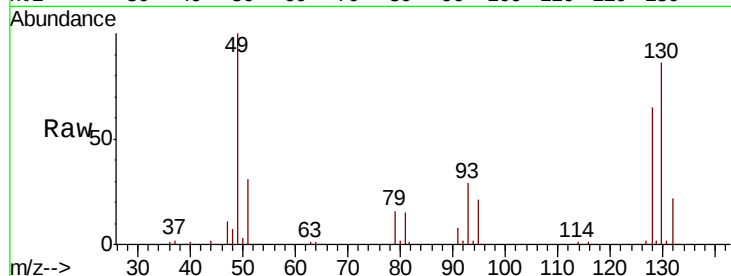
Tot Ion:128 Resp: 123605

Ion Ratio Lower Upper

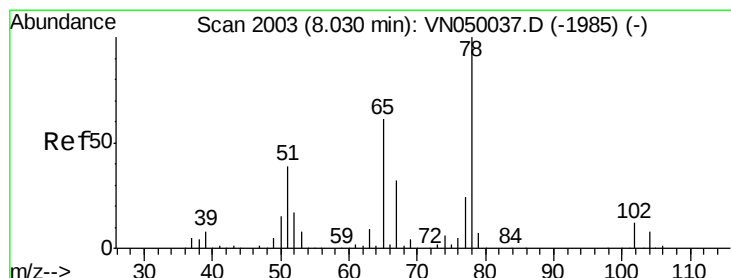
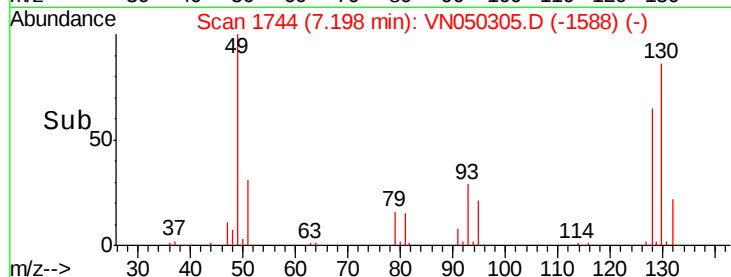
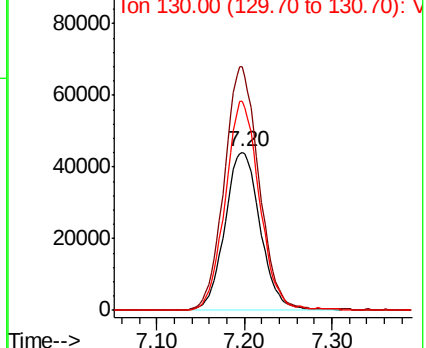
128 100

49 151.6 0.0 378.3

130 127.1 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 49.00 (48.70 to 49.70): VN  
Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 30.76 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050305.D

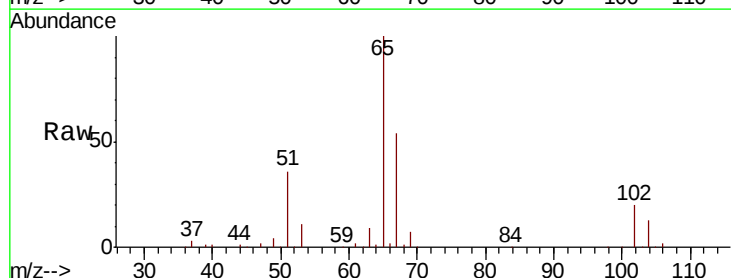
Acq: 3 Aug 2018 11:05

Tgt Ion: 65 Resp: 258447

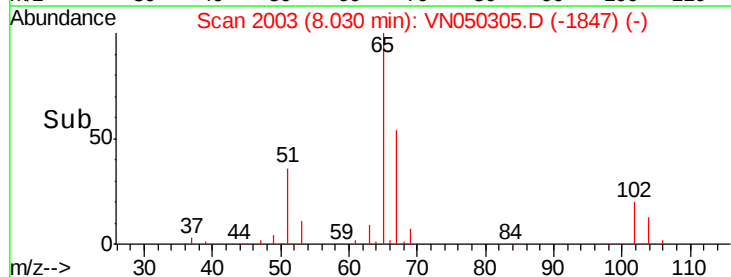
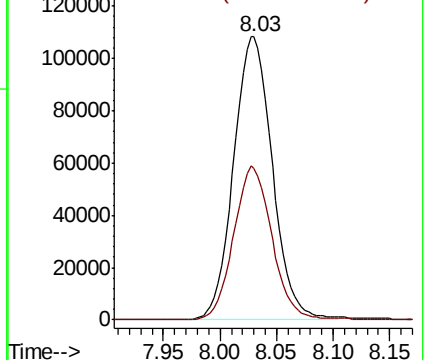
Ion Ratio Lower Upper

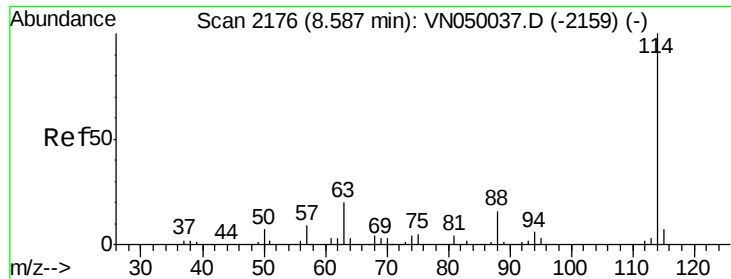
65 100

67 53.8 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN  
Ion 67.00 (66.70 to 67.70): VN

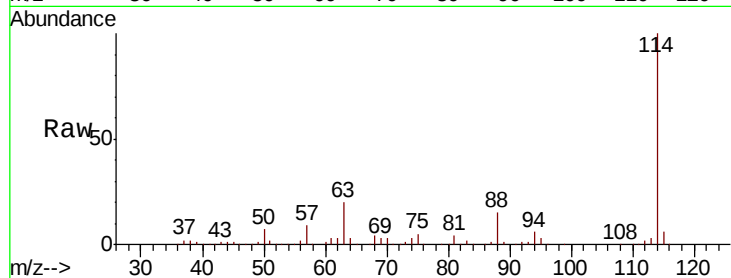




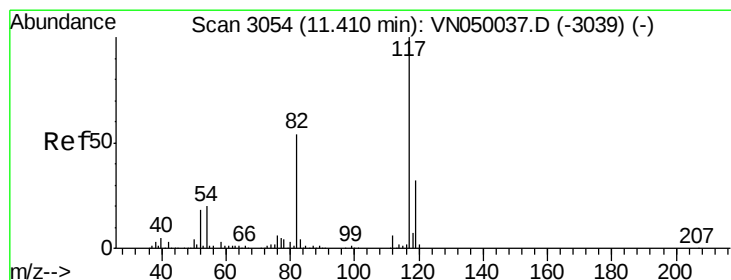
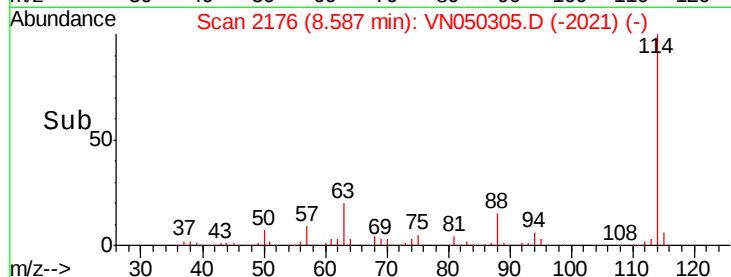
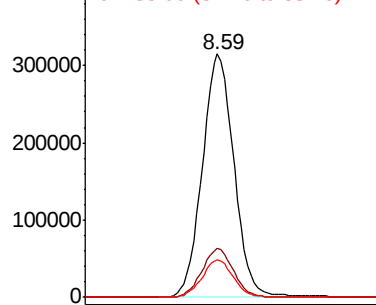
#28  
 1,4-Difluorobenzene  
 Concen: 30.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN050305.D  
 Acq: 3 Aug 2018 11:05

Instrument :  
 MSVOA\_N  
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 VN0803WBL01

Tot Ion:114 Resp: 655591  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 16.2 24.2  
 88 15.2 12.3 18.5

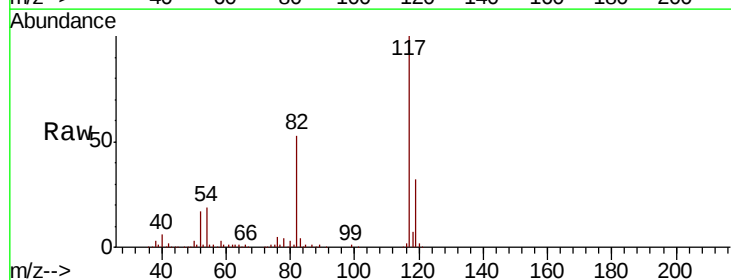


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 88.00 (87.70 to 88.70): VN

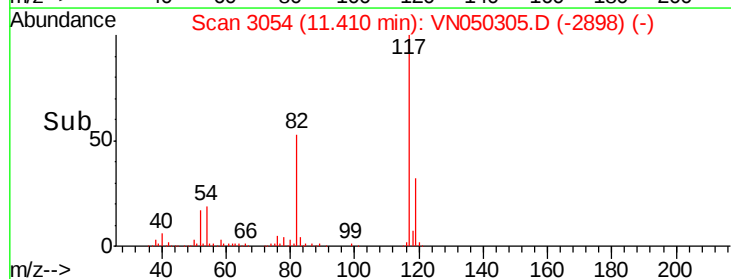
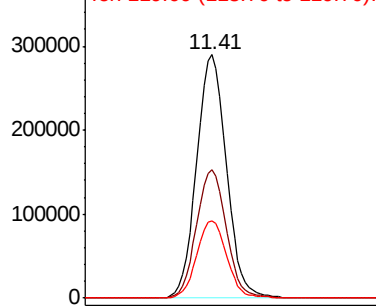


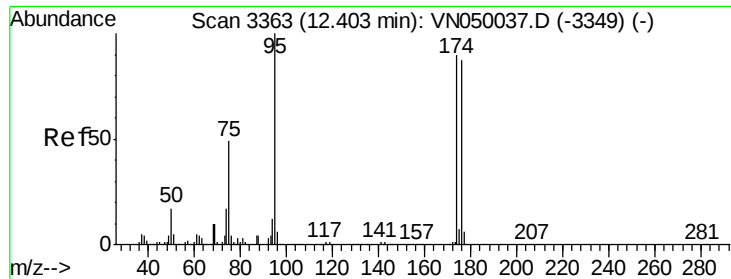
#57  
 Chlorobenzene-d5  
 Concen: 30.00 ug/l  
 RT: 11.41 min Scan# 3054  
 Delta R.T. -0.00 min  
 Lab File: VN050305.D  
 Acq: 3 Aug 2018 11:05

Tgt Ion:117 Resp: 515152  
 Ion Ratio Lower Upper  
 117 100  
 82 52.9 42.4 63.6  
 119 32.0 25.4 38.0



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: 21.71 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050305.D

Acq: 3 Aug 2018 11:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0803WBL01

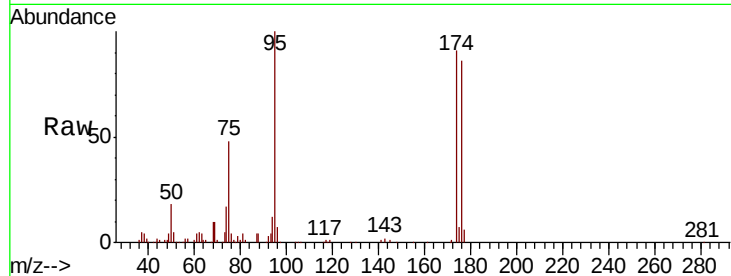
Tot Ion: 95 Resp: 171822

Ion Ratio Lower Upper

95 100

174 92.1 72.3 108.5

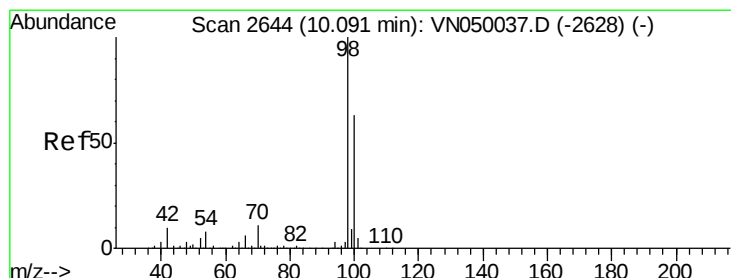
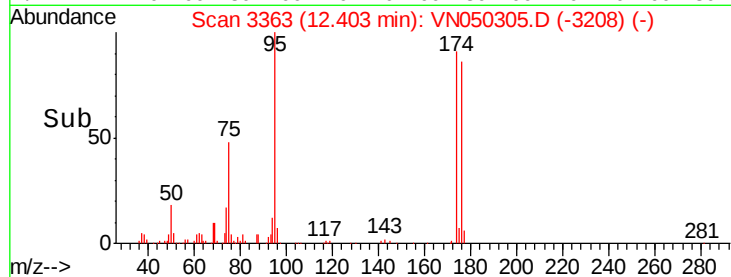
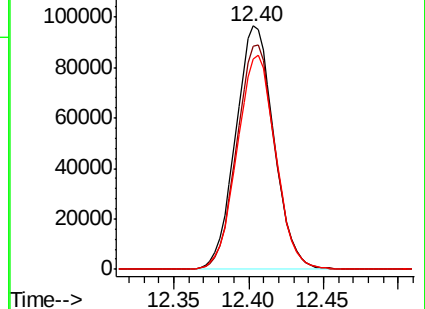
176 88.4 70.0 105.0



Abundance Ion 95.00 (94.70 to 95.70): VN050037.D (-3349) (-)

Ion 174.00 (173.70 to 174.70): VN050037.D (-3349) (-)

Ion 176.00 (175.70 to 176.70): VN050037.D (-3349) (-)



#63

Toluene-d8

Concen: 29.87 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050305.D

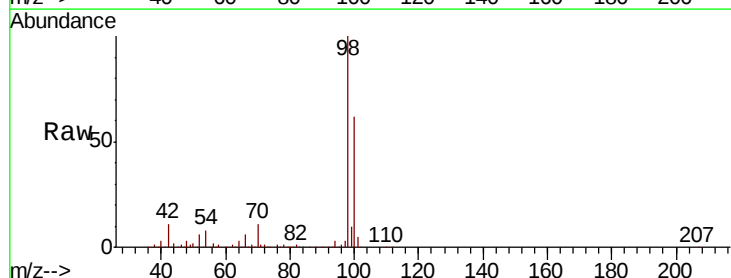
Acq: 3 Aug 2018 11:05

Tgt Ion: 98 Resp: 735073

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN050037.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-2628) (-)

