

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN112718\  
 Data File : VN052493.D  
 Acq On : 27 Nov 2018 22:32  
 Operator : MD\SY  
 Sample : VN1127WBL02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 30 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127WBL02

Quant Time: Nov 28 07:19:54 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  | 176164   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 1016651  | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 836187   | 30.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4   | 8.03   | 65    | 362599   | 30.21    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 50 - 169 | Recovery | =    | 100.70% |
| 60) 4-Bromofluorobenzene    | 12.40  | 95    | 331277   | 25.91    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 56 - 143 | Recovery | =    | 86.37%  |
| 63) Toluene-d8              | 10.09  | 98    | 1191633  | 30.73    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 66 - 137 | Recovery | =    | 102.43% |

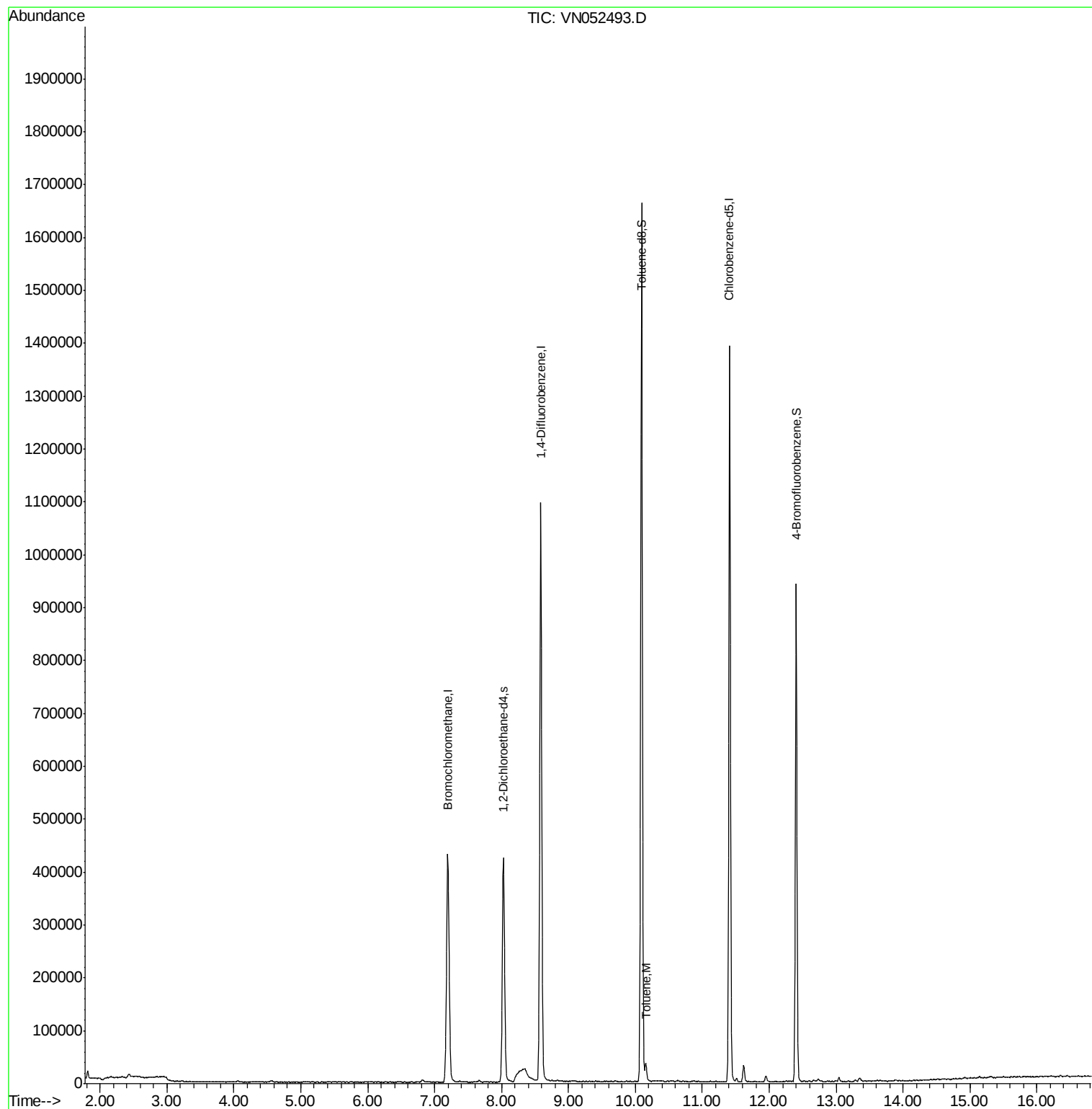
| Target Compounds |       |    |       |           | Qvalue |
|------------------|-------|----|-------|-----------|--------|
| 62) Toluene      | 10.16 | 91 | 23683 | 0.51 ug/l | 98     |

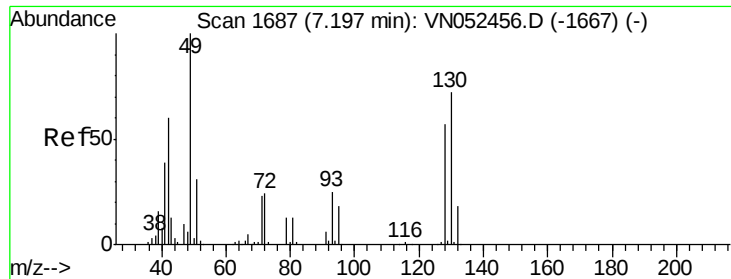
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052493.D

Acq: 27 Nov 2018 22:32

Instrument :

MSVOA\_N

ClientSampleId :

VN1127WBL02

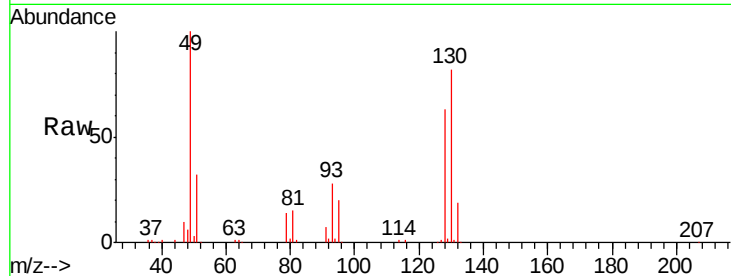
Tgt Ion:128 Resp: 176164

Ion Ratio Lower Upper

128 100

49 162.0 0.0 431.8

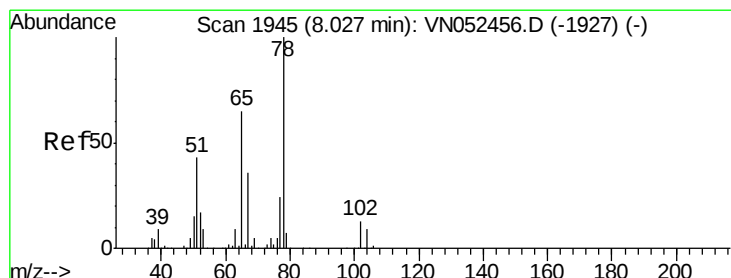
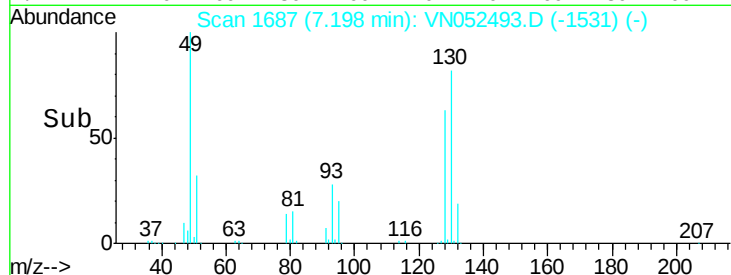
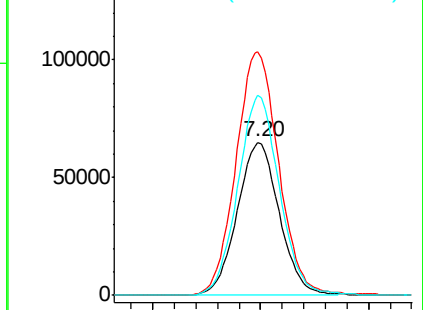
130 129.8 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052493.D

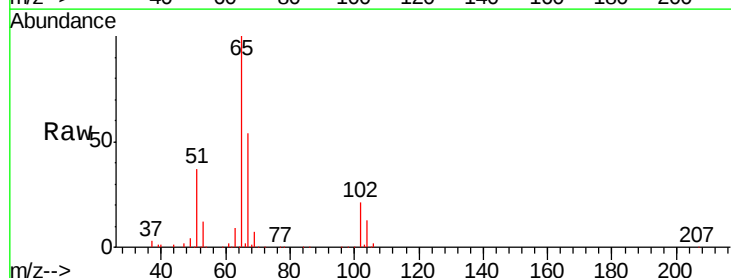
Acq: 27 Nov 2018 22:32

Tgt Ion: 65 Resp: 362599

Ion Ratio Lower Upper

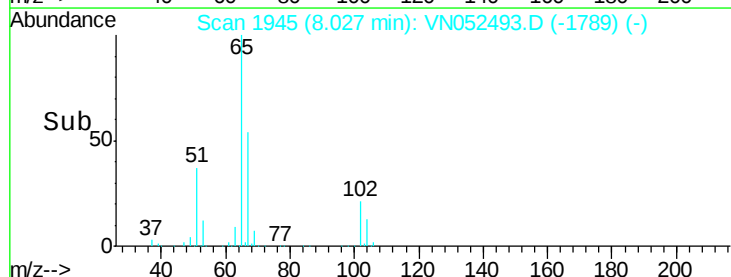
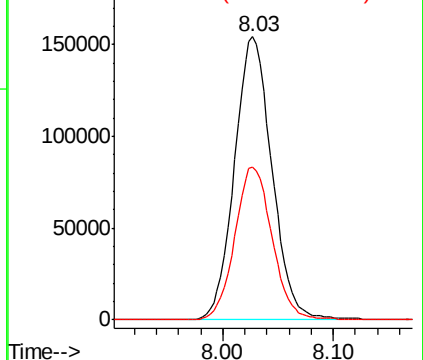
65 100

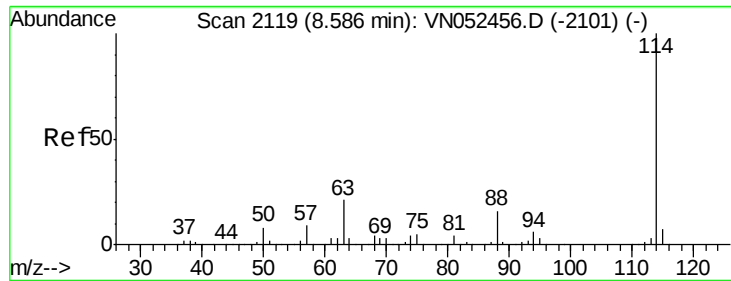
67 54.0 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

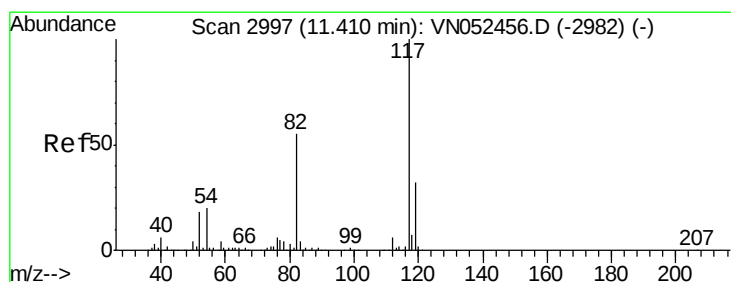
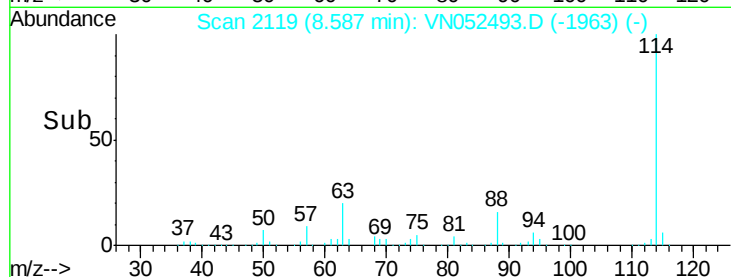
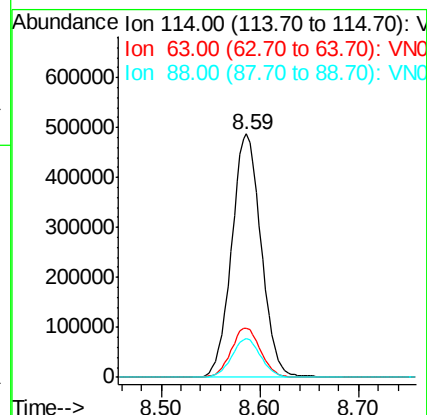
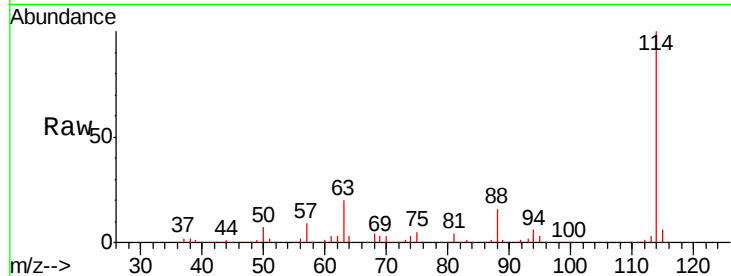




#28  
 1,4-Difluorobenzene  
 Concen: 30.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052493.D  
 Acq: 27 Nov 2018 22:32

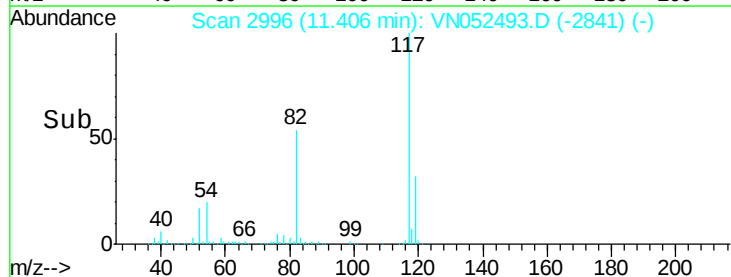
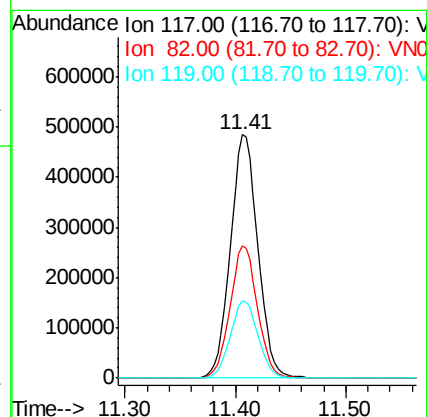
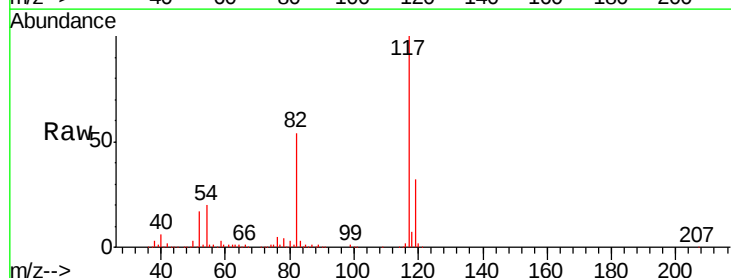
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1127WBL02

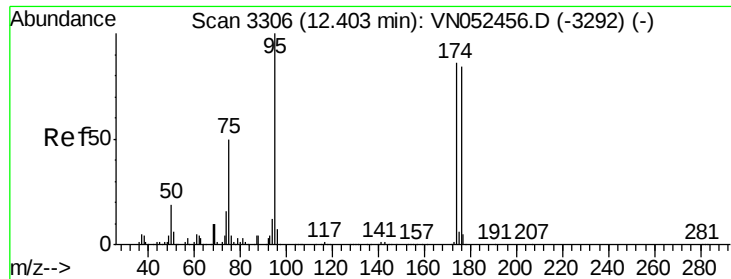
Tgt Ion:114 Resp: 1016651  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 16.9 25.3  
 88 15.6 12.8 19.2



#57  
 Chlorobenzene-d5  
 Concen: 30.00 ug/l  
 RT: 11.41 min Scan# 2996  
 Delta R.T. -0.00 min  
 Lab File: VN052493.D  
 Acq: 27 Nov 2018 22:32

Tgt Ion:117 Resp: 836187  
 Ion Ratio Lower Upper  
 117 100  
 82 54.1 44.2 66.2  
 119 32.1 25.4 38.2





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052493.D

Acq: 27 Nov 2018 22:32

Instrument :

MSVOA\_N

ClientSampleId :

VN1127WBL02

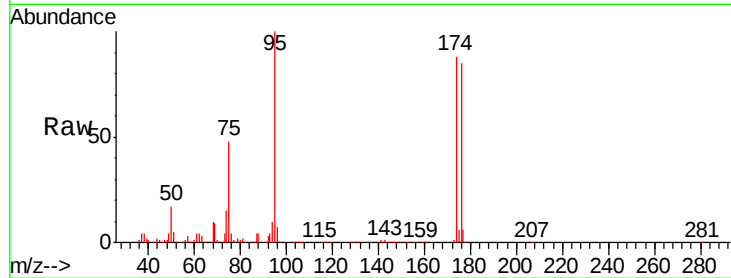
Tgt Ion: 95 Resp: 331277

Ion Ratio Lower Upper

95 100

174 88.2 67.9 101.9

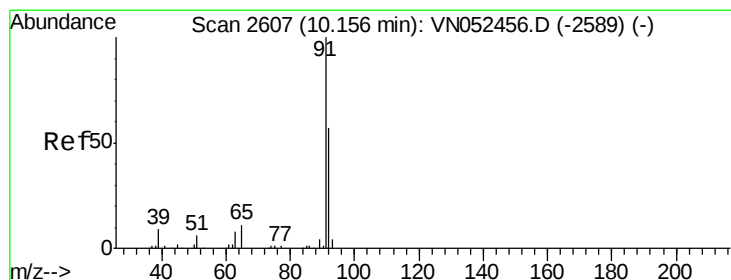
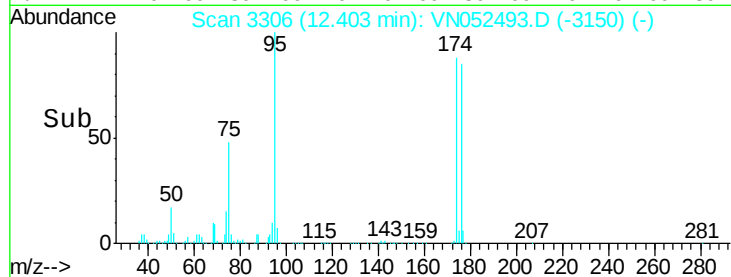
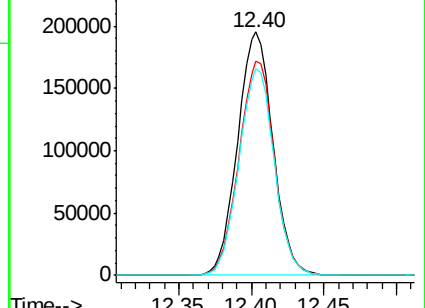
176 85.0 66.4 99.6



Abundance Ion 95.00 (94.70 to 95.70): VN052456.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN052456.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN052456.D (-3292) (-)



#62

Toluene

Concen: 0.51 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052493.D

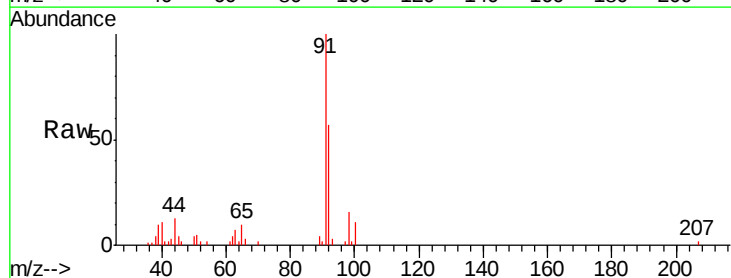
Acq: 27 Nov 2018 22:32

Tgt Ion: 91 Resp: 23683

Ion Ratio Lower Upper

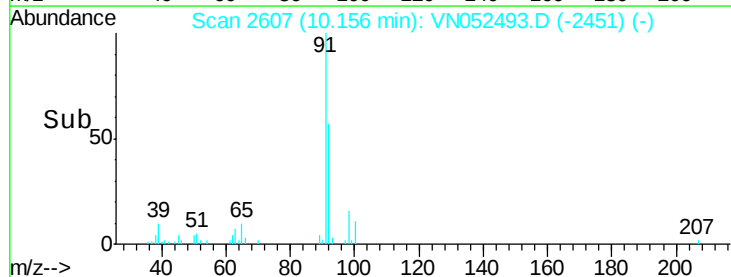
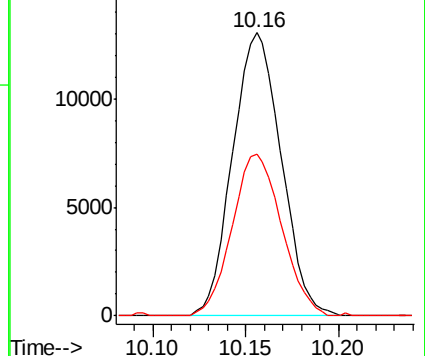
91 100

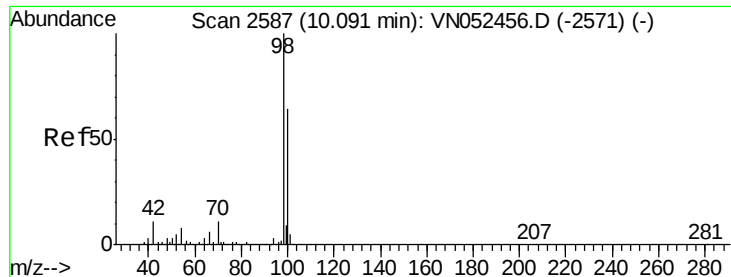
92 58.3 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-2589) (-)

Ion 92.00 (91.70 to 92.70): VN052456.D (-2589) (-)





#63

Toluene-d8

Concen: 0.51 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052493.D

Acq: 27 Nov 2018 22:32

Instrument :

MSVOA\_N

ClientSampleId :

VN1127WBL02

Tgt Ion: 98 Resp: 1191633

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7

