

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN112118\  
 Data File : VN052447.D  
 Acq On : 21 Nov 2018 19:10  
 Operator : MD\SY  
 Sample : J5763-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HR-06-111918-A

Quant Time: Nov 22 01:19:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 15 03:02:37 2018  
 Response via : Initial Calibration

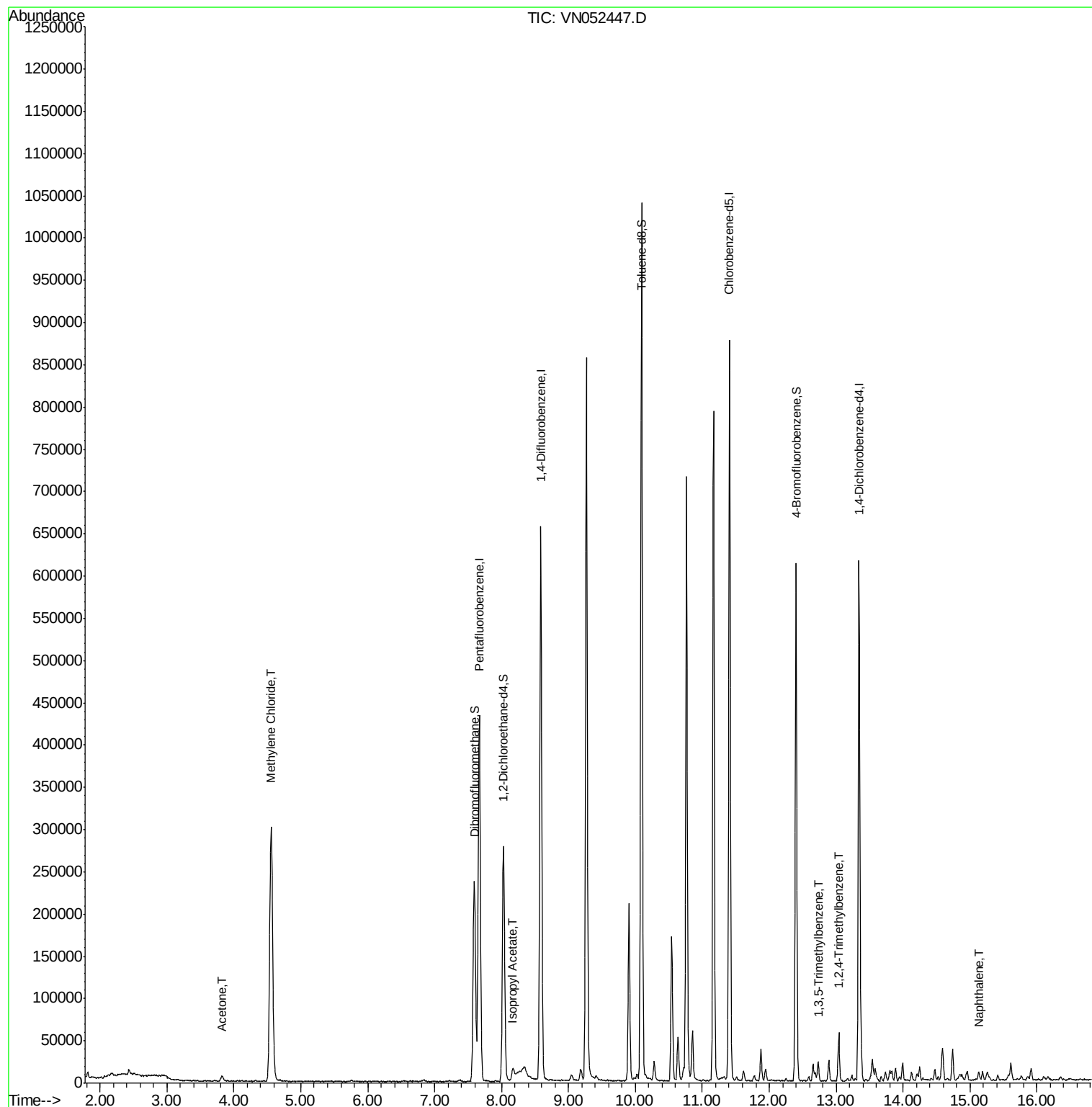
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 314835   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 519908   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 444681   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 143296   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 235508   | 52.96 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.92% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 176194   | 52.54 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.08% |          |
| 50) Toluene-d8              | 10.09 | 98   | 668698   | 50.69 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.38% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 189100   | 43.57 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.14%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 11467    | 9.37  | ug/l    | 99       |
| 20) Methylene Chloride      | 4.55  | 84   | 196577   | 52.82 | ug/l    | 97       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 22467    | 3.08  | ug/l #  | 90       |
| 80) 1,3,5-Trimethylbenzene  | 12.73 | 105  | 10225    | 1.12  | ug/l    | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.04 | 105  | 29099    | 3.16  | ug/l    | 97       |
| 95) Naphthalene             | 15.13 | 128  | 7624     | 4.03  | ug/l #  | 92       |

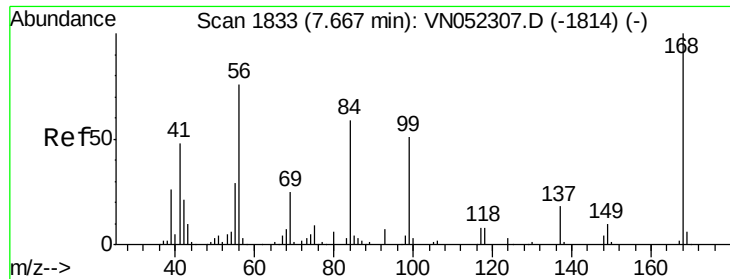
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 15 03:02:37 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052447.D

Acq: 21 Nov 2018 19:10

Instrument :

MSVOA\_N

ClientSampleId :

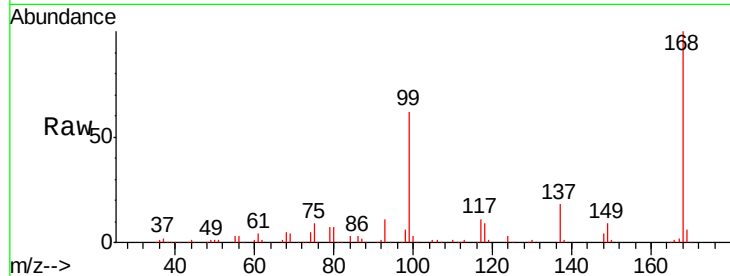
HR-06-111918-A

Tgt Ion:168 Resp: 314835

Ion Ratio Lower Upper

168 100

99 61.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

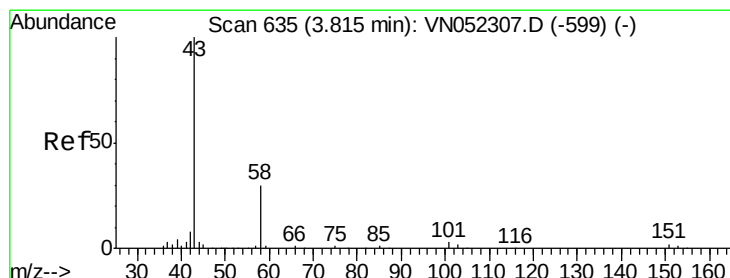
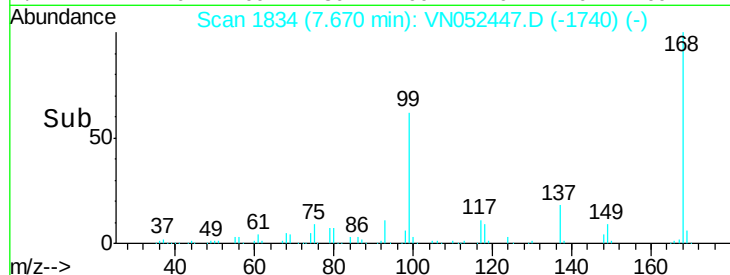
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 9.37 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052447.D

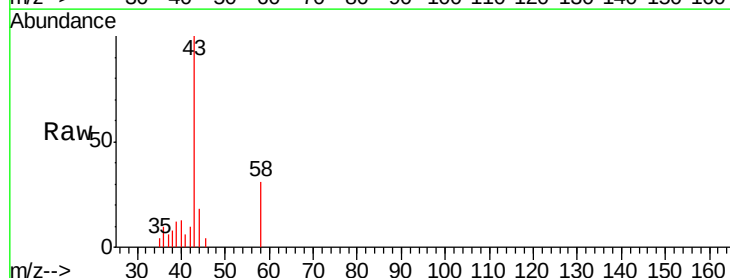
Acq: 21 Nov 2018 19:10

Tgt Ion: 43 Resp: 11467

Ion Ratio Lower Upper

43 100

58 30.7 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

4000

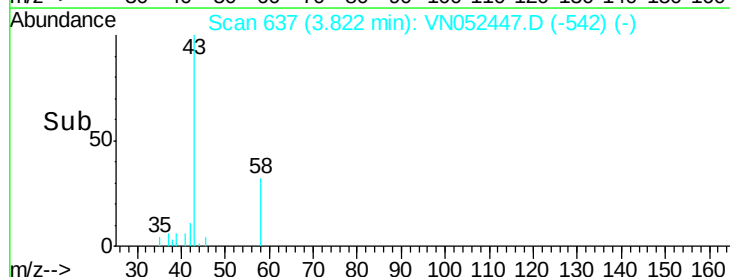
3000

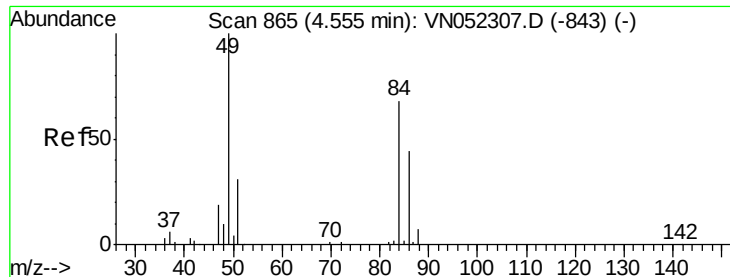
2000

1000

0

Time-->

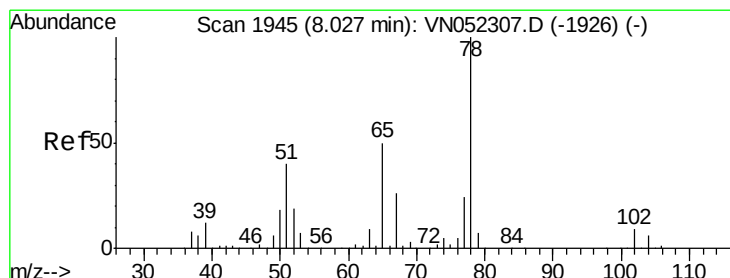
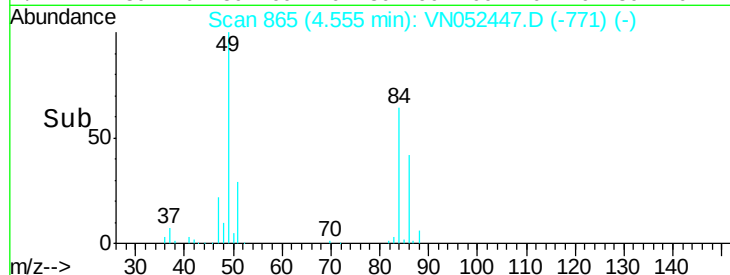
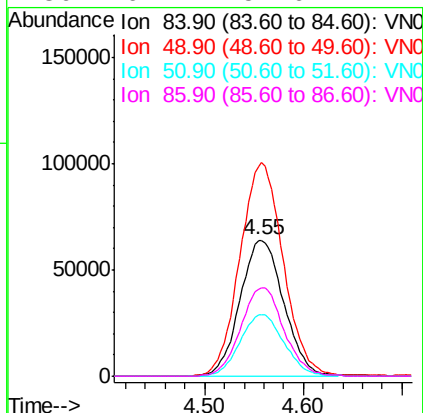
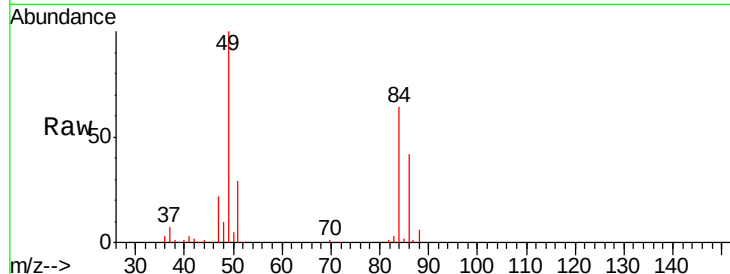




#20  
Methylene Chloride  
Concen: 52.82 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN052447.D  
Acq: 21 Nov 2018 19:10

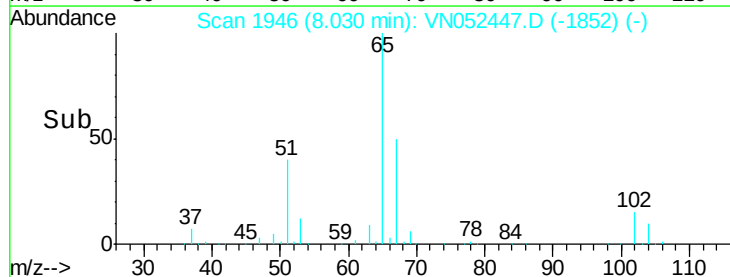
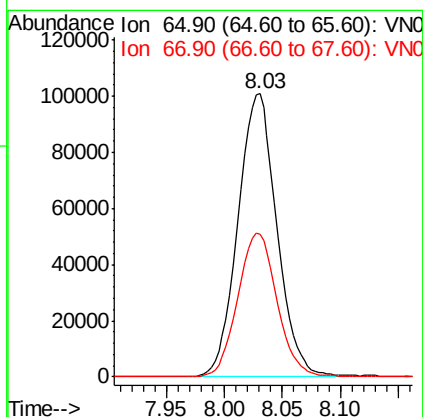
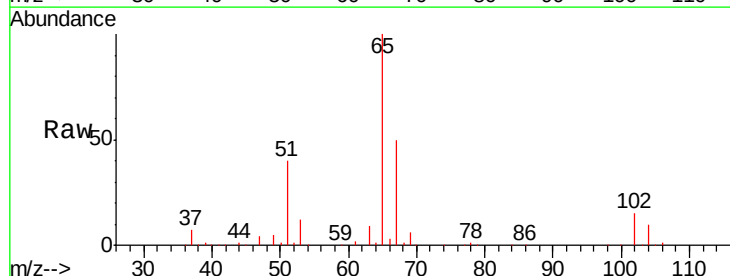
Instrument :  
MSVOA\_N  
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HR-06-111918-A

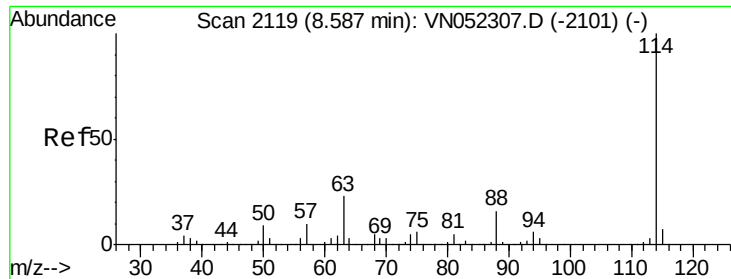
Tgt Ion: 84 Resp: 196577  
Ion Ratio Lower Upper  
84 100  
49 154.8 118.2 177.2  
51 45.1 36.1 54.1  
86 64.4 51.6 77.4



#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN052447.D  
Acq: 21 Nov 2018 19:10

Tgt Ion: 65 Resp: 235508  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 105.2

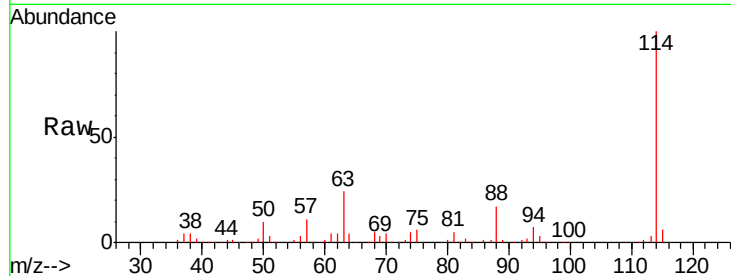




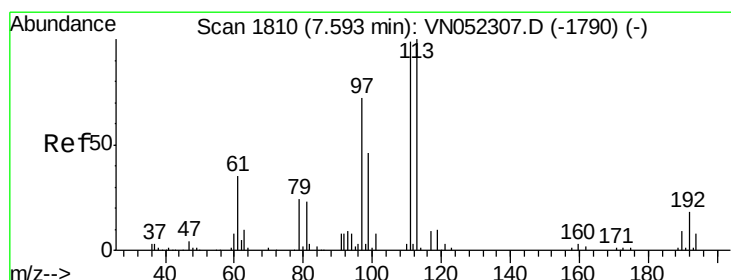
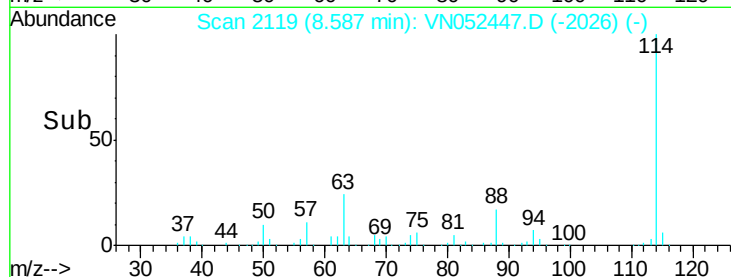
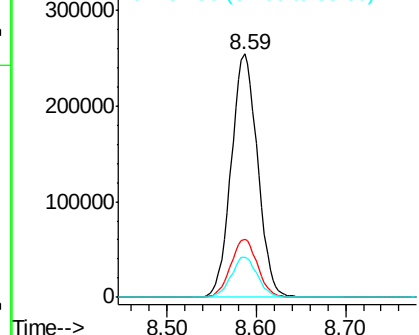
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN052447.D  
 Acq: 21 Nov 2018 19:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HR-06-111918-A

Tgt Ion:114 Resp: 519908  
 Ion Ratio Lower Upper  
 114 100  
 63 23.9 0.0 45.4  
 88 16.6 0.0 31.2

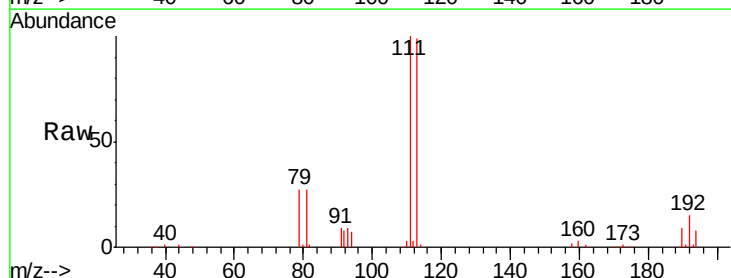


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

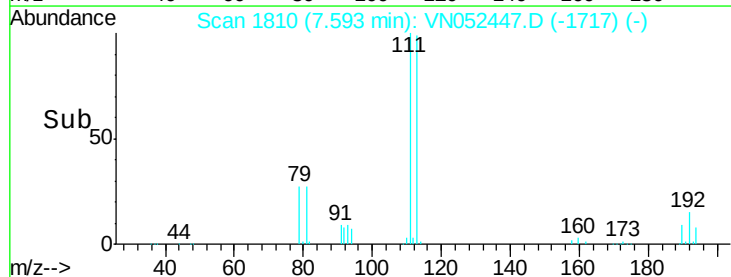
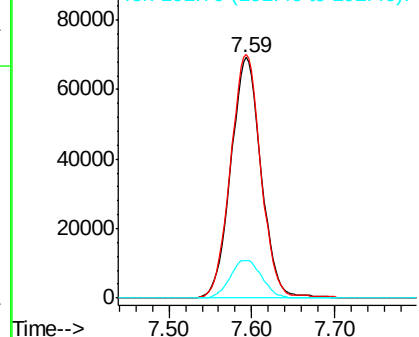


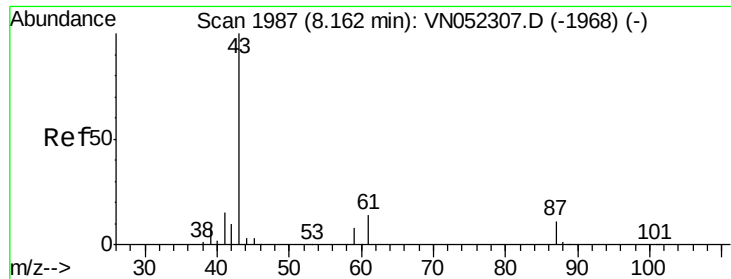
#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. -0.00 min  
 Lab File: VN052447.D  
 Acq: 21 Nov 2018 19:10

Tgt Ion:113 Resp: 176194  
 Ion Ratio Lower Upper  
 113 100  
 111 101.0 81.0 121.6  
 192 16.4 13.8 20.6



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.08 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052447.D

Acq: 21 Nov 2018 19:10

Instrument :

MSVOA\_N

ClientSampleId :

HR-06-111918-A

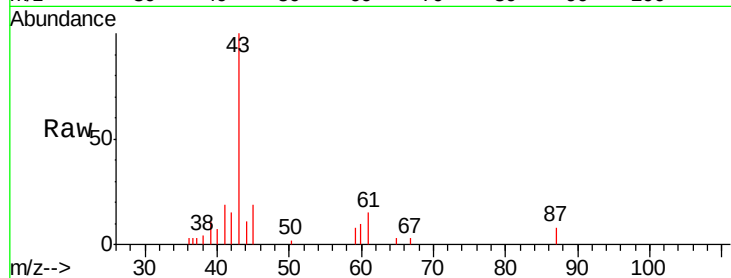
Tgt Ion: 43 Resp: 22467

Ion Ratio Lower Upper

43 100

61 12.3 12.0 18.0

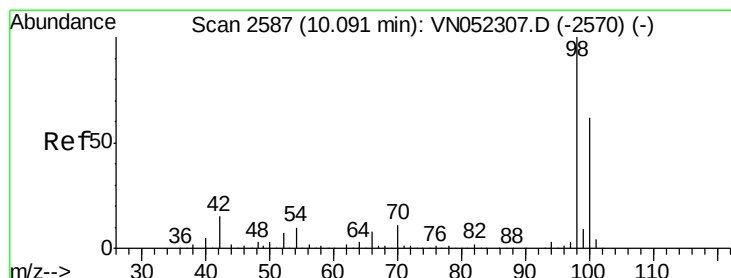
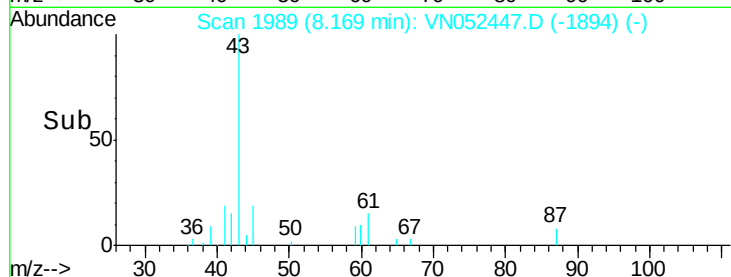
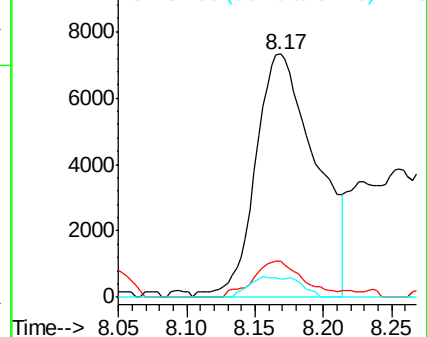
87 4.3 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052447.D

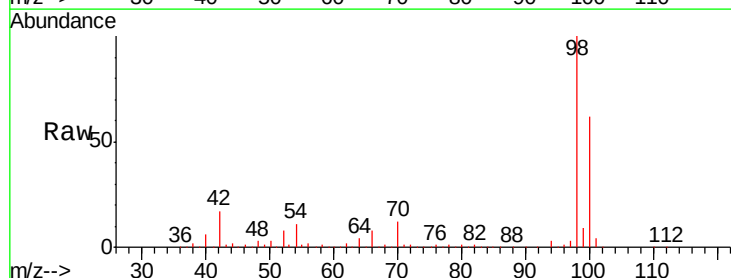
Acq: 21 Nov 2018 19:10

Tgt Ion: 98 Resp: 668698

Ion Ratio Lower Upper

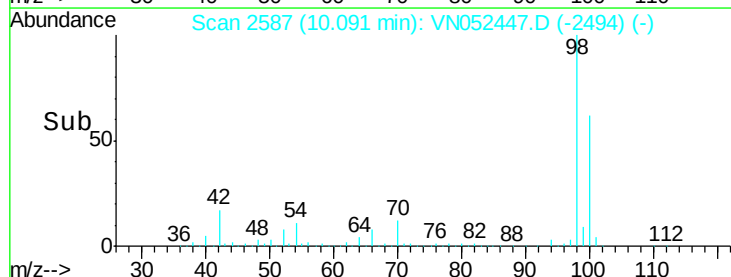
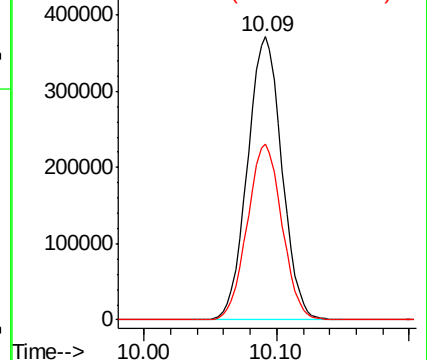
98 100

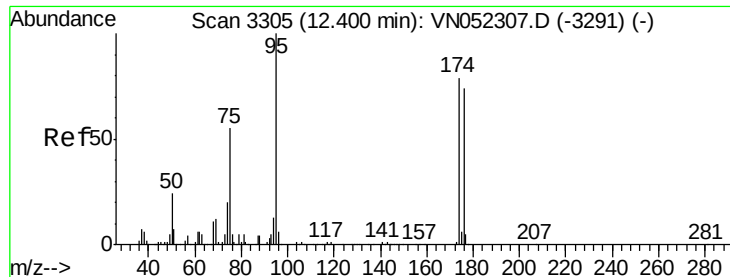
100 62.8 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

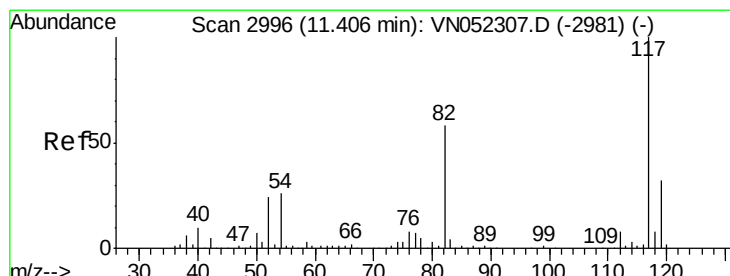
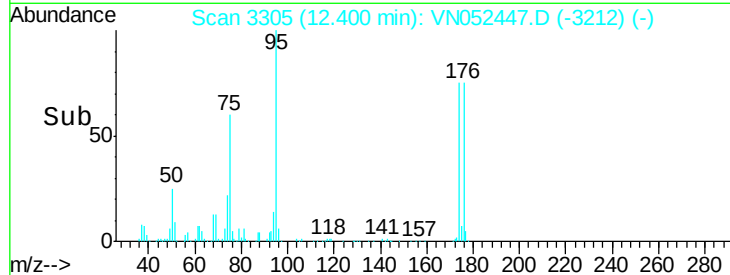
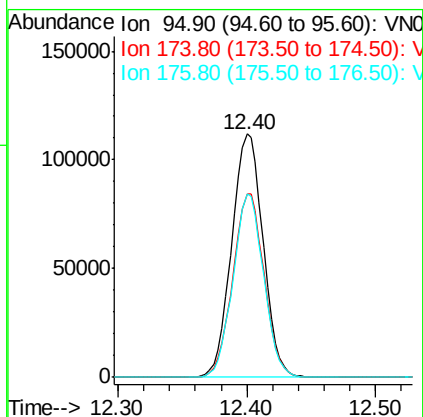
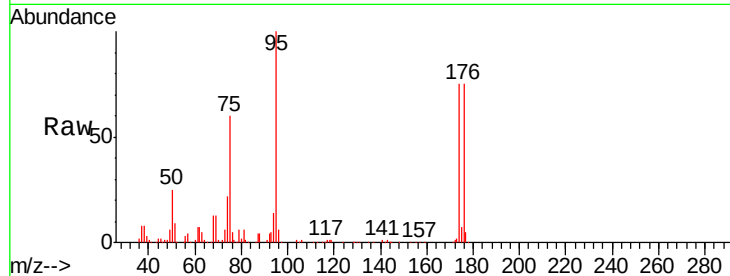




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN052447.D  
Acq: 21 Nov 2018 19:10

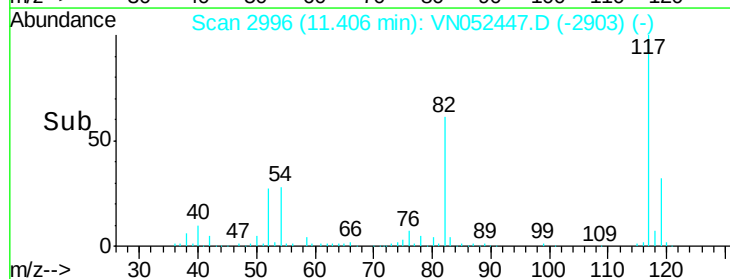
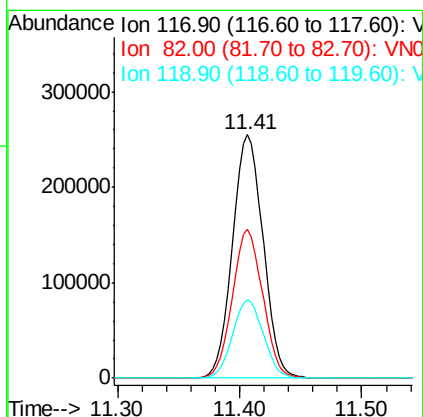
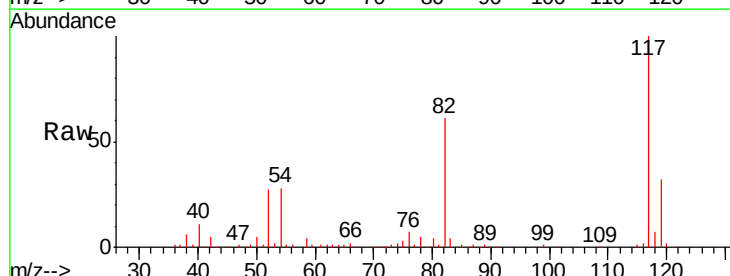
Instrument :  
MSVOA\_N  
ClientSampleId :  
HR-06-111918-A

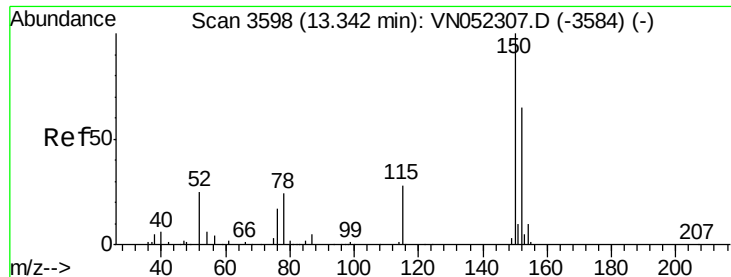
Tgt Ion: 95 Resp: 189100  
Ion Ratio Lower Upper  
95 100  
174 75.1 0.0 156.0  
176 73.4 0.0 148.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN052447.D  
Acq: 21 Nov 2018 19:10

Tgt Ion: 117 Resp: 444681  
Ion Ratio Lower Upper  
117 100  
82 61.1 46.5 69.7  
119 32.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052447.D

Acq: 21 Nov 2018 19:10

Instrument :

MSVOA\_N

ClientSampled :

HR-06-111918-A

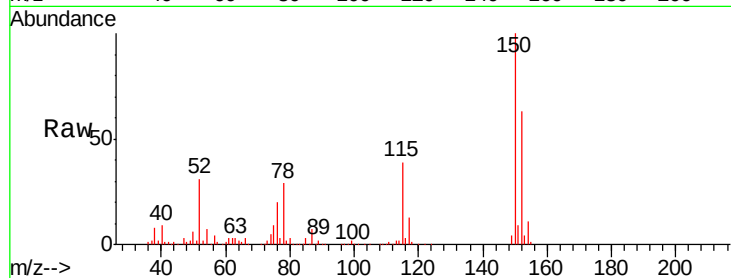
Tgt Ion:152 Resp: 143296

Ion Ratio Lower Upper

152 100

115 62.0 30.3 91.0

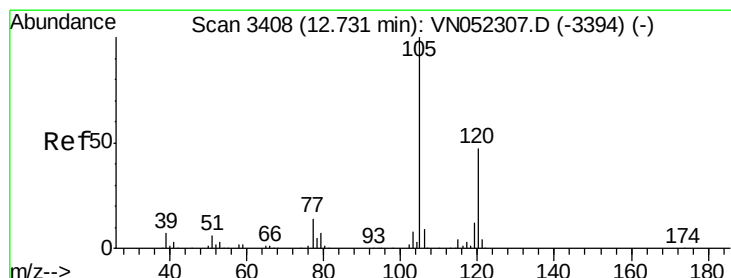
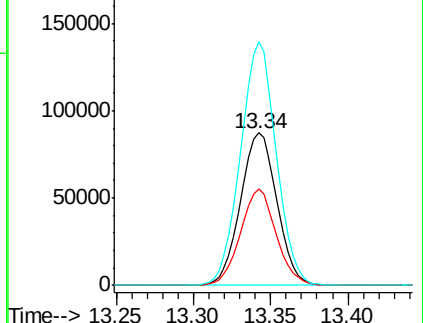
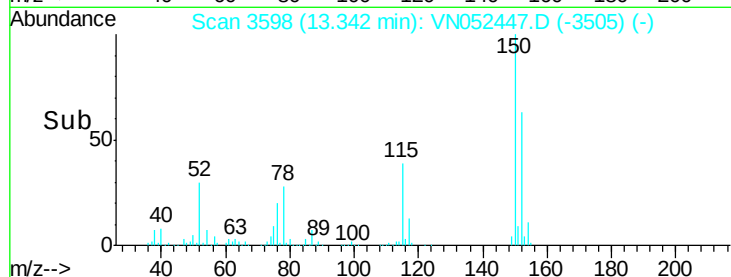
150 156.4 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#80

1,3,5-Trimethylbenzene

Concen: 1.12 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052447.D

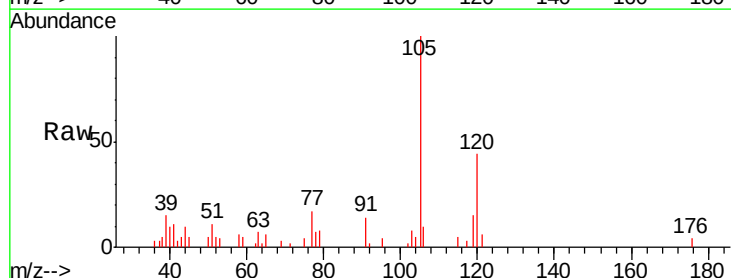
Acq: 21 Nov 2018 19:10

Tgt Ion:105 Resp: 10225

Ion Ratio Lower Upper

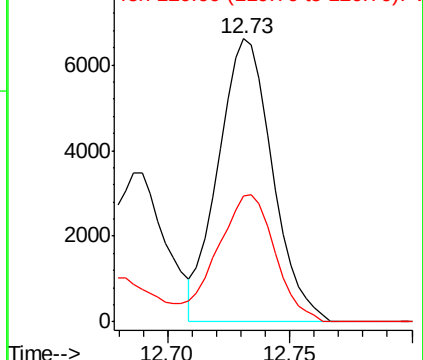
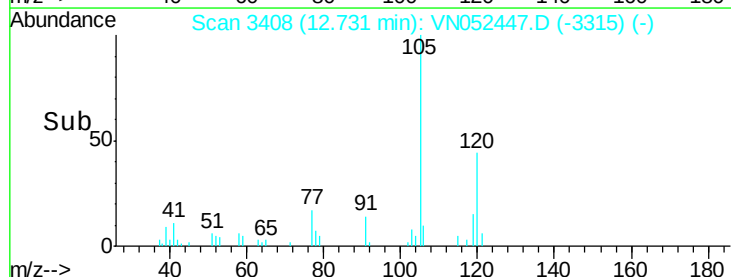
105 100

120 47.7 23.7 71.1

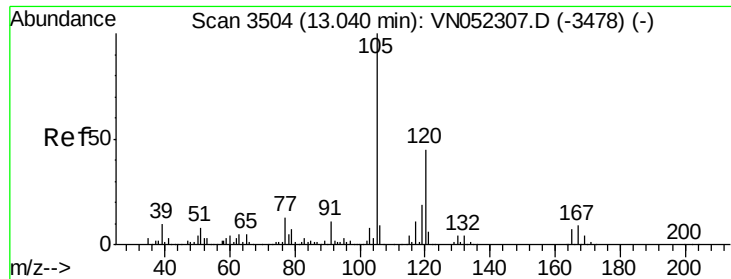


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



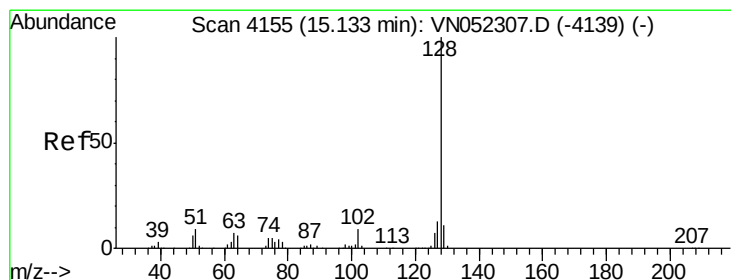
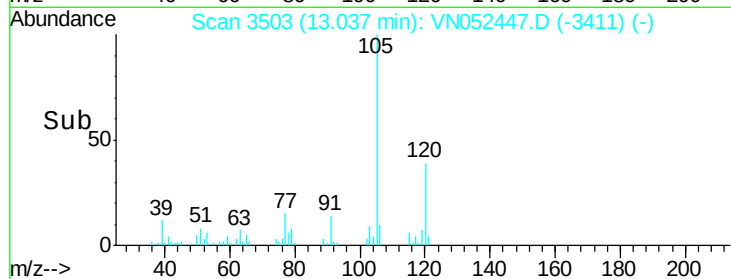
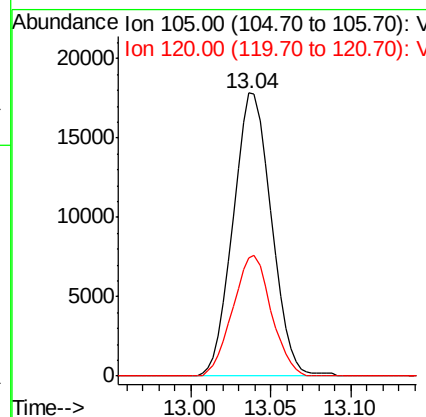
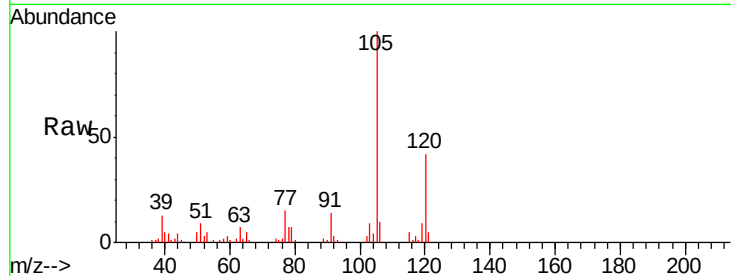




#84  
 1,2,4-Trimethylbenzene  
 Concen: 3.16 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. -0.00 min  
 Lab File: VN052447.D  
 Acq: 21 Nov 2018 19:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HR-06-111918-A

Tgt Ion:105 Resp: 29099  
 Ion Ratio Lower Upper  
 105 100  
 120 42.8 22.5 67.5



#95  
 Naphthalene  
 Concen: 4.03 ug/l  
 RT: 15.13 min Scan# 4155  
 Delta R.T. -0.00 min  
 Lab File: VN052447.D  
 Acq: 21 Nov 2018 19:10

Tgt Ion:128 Resp: 7624  
 Ion Ratio Lower Upper  
 128 100  
 127 17.6 10.4 15.6#  
 129 12.3 8.6 13.0

