

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\  
 Data File : VN051555.D  
 Acq On : 26 Sep 2018 23:40  
 Operator : MD\SY  
 Sample : J5070-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CS-RBR-200027

Quant Time: Sep 27 08:45:59 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092318W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 24 06:41:32 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 609105   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1003466  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 858013   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 338887   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 452631   | 59.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 118.64% |          |
| 35) Dibromofluoromethane    | 7.60  | 113  | 387515   | 48.29 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 96.58%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1396371  | 46.21 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 92.42%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 399812   | 40.90 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 81.80%  |          |

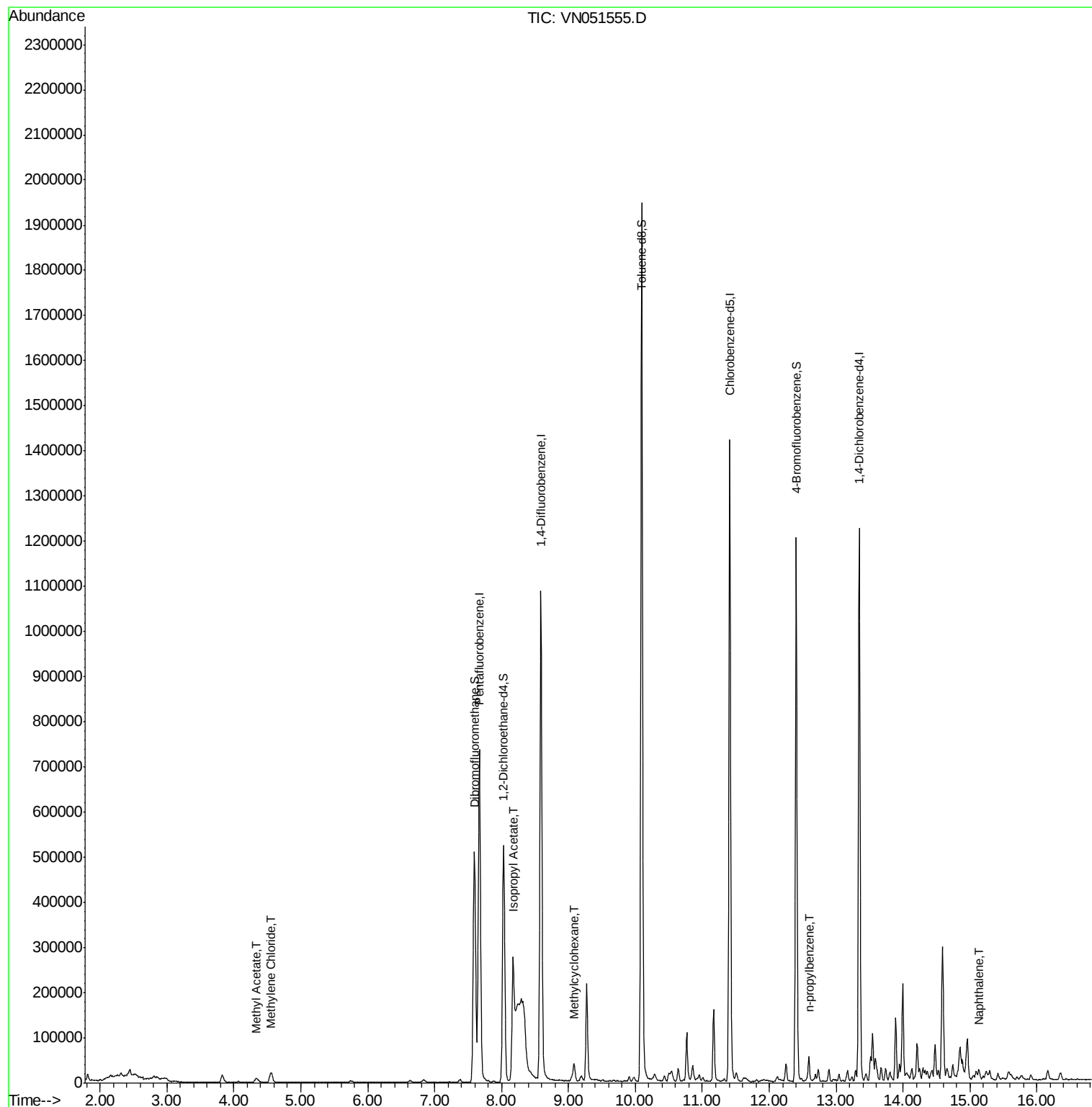
| Target Compounds       | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|------------------------|-------|------|----------|--------|--------|--------|
| 18) Methyl Acetate     | 4.34  | 43   | 19288    | 3.319  | ug/l   | 98     |
| 20) Methylene Chloride | 4.56  | 84   | 16000    | 2.119  | ug/l   | 93     |
| 39) Methylcyclohexane  | 9.08  | 83   | 14863    | 1.094  | ug/l   | 90     |
| 43) Isopropyl Acetate  | 8.17  | 43   | 343865   | 28.462 | ug/l # | 88     |
| 78) n-propylbenzene    | 12.59 | 91   | 42238    | 1.311  | ug/l   | 98     |
| 95) Naphthalene        | 15.13 | 128  | 17273    | 9.195  | ug/l   | 98     |

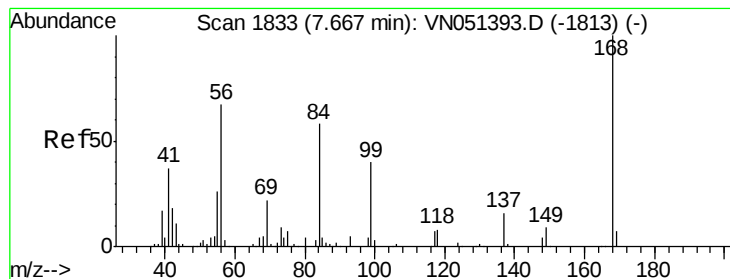
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Sep 24 06:41:32 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051555.D

Acq: 26 Sep 2018 23:40

Instrument :

MSVOA\_N

ClientSampleId :

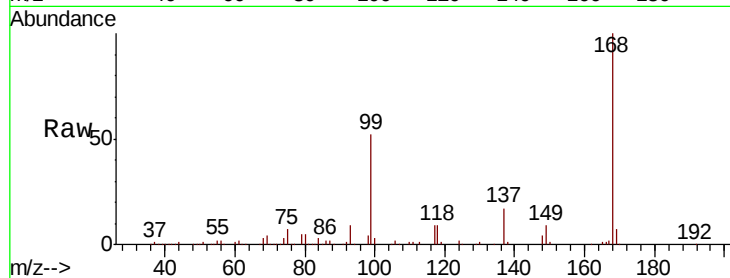
CS-RBR-200027

Tot Ion:168 Resp: 609105

Ion Ratio Lower Upper

168 100

99 52.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

300000

250000

200000

150000

100000

50000

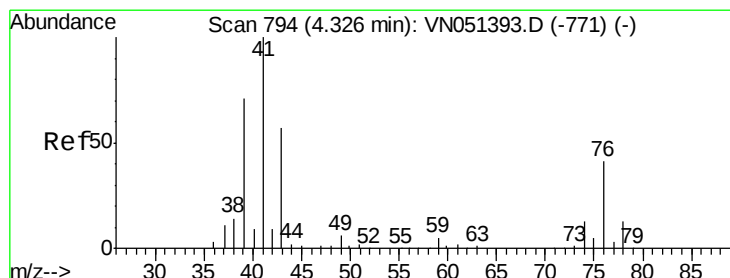
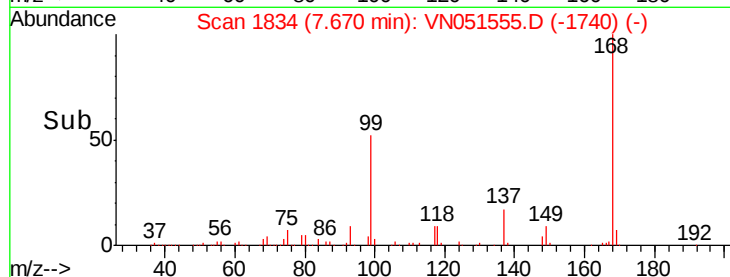
0

7.67

7.60

7.70

Time-->



#18

Methyl Acetate

Concen: 3.319 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN051555.D

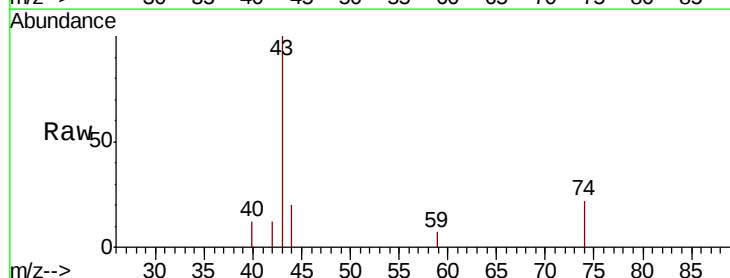
Acq: 26 Sep 2018 23:40

Tgt Ion: 43 Resp: 19288

Ion Ratio Lower Upper

43 100

74 22.7 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 74.00 (73.70 to 74.70): VN

6000

4000

2000

0

4.34

4.25

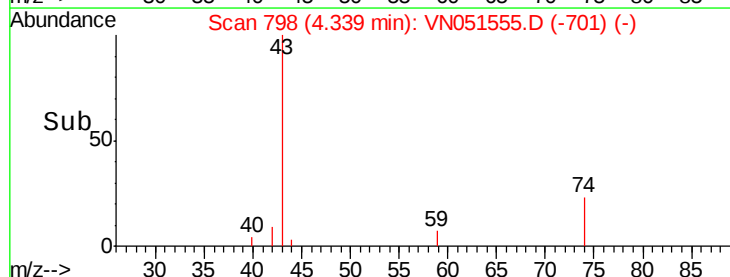
4.30

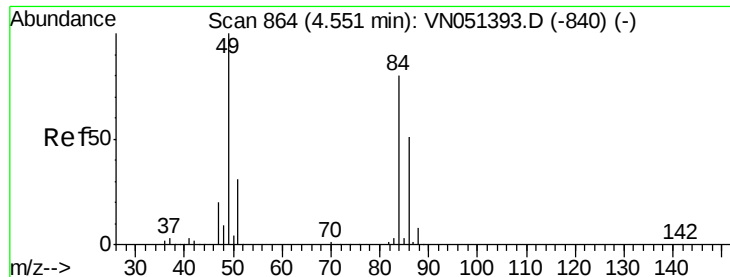
4.35

4.40

4.45

Time-->

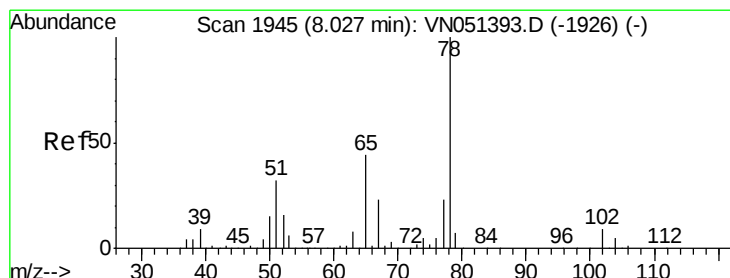
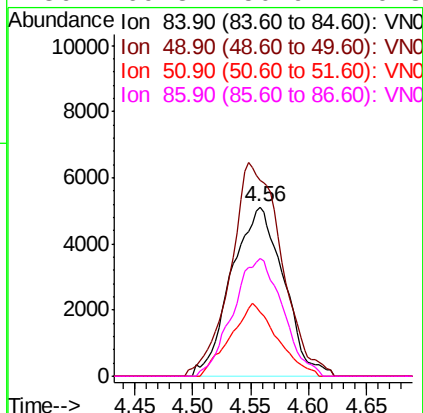
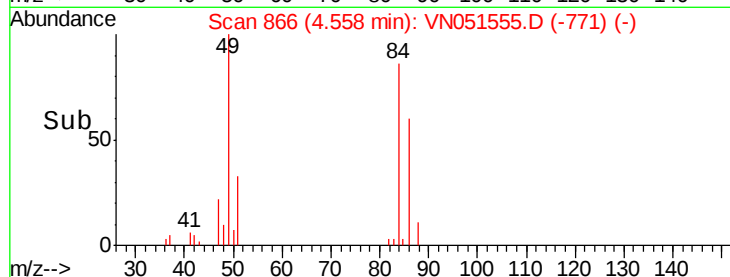
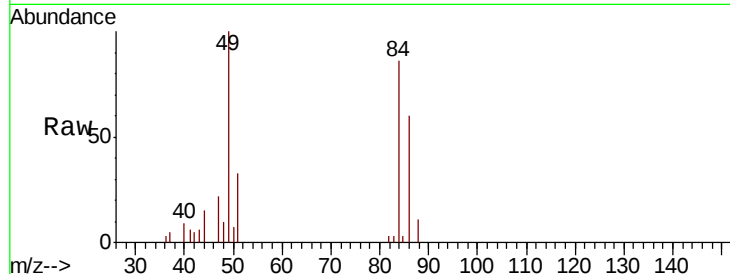




#20  
Methvlene Chloride  
Concen: 2.119 ug/l  
RT: 4.56 min Scan# 866  
Delta R.T. 0.01 min  
Lab File: VN051555.D  
Acq: 26 Sep 2018 23:40

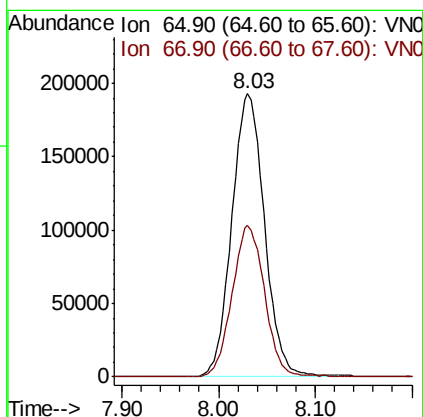
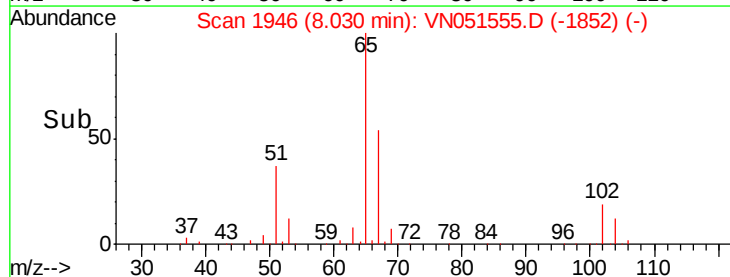
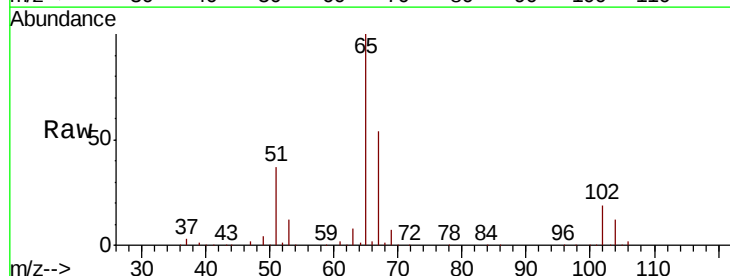
Instrument :  
MSVOA\_N  
ClientSampleId :  
CS-RBR-200027

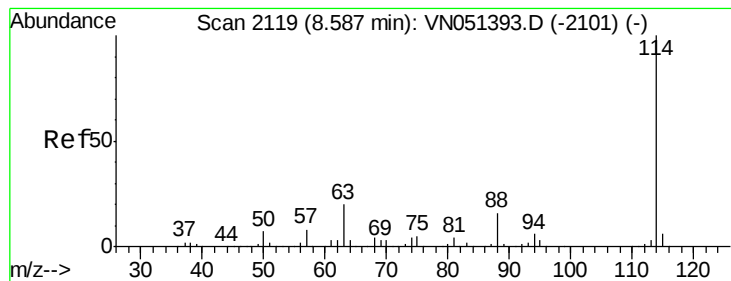
Tot Ion: 84 Resp: 16000  
Ion Ratio Lower Upper  
84 100  
49 115.8 99.9 149.9  
51 37.6 31.4 47.2  
86 69.8 50.9 76.3



#33  
1,2-Dichloroethane-d4  
Concen: 59.321 ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN051555.D  
Acq: 26 Sep 2018 23:40

Tgt Ion: 65 Resp: 452631  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VN051555.D

Acq: 26 Sep 2018 23:40

Instrument :

MSVOA\_N

ClientSampleId :

CS-RBR-200027

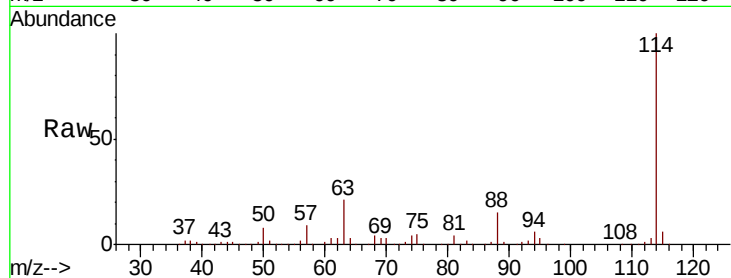
Tot Ion:114 Resp: 1003466

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

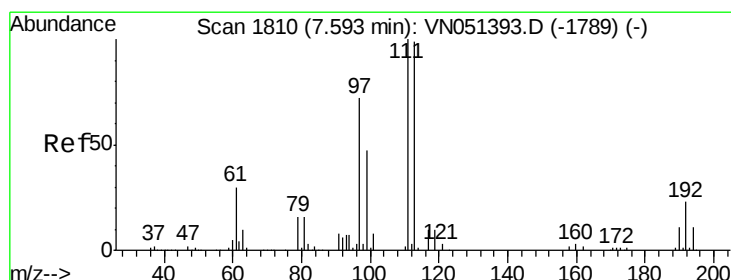
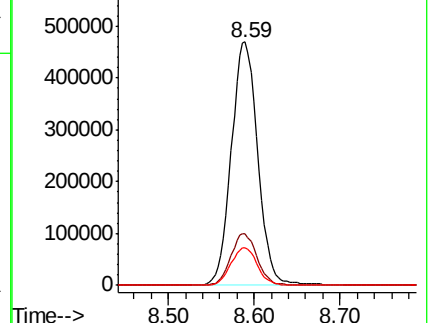
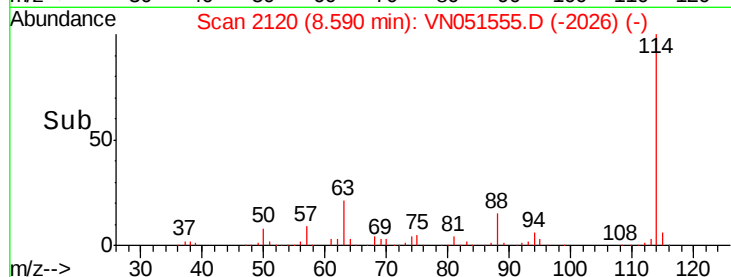
88 15.3 0.0 31.4



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: 48.293 ug/l

RT: 7.60 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VN051555.D

Acq: 26 Sep 2018 23:40

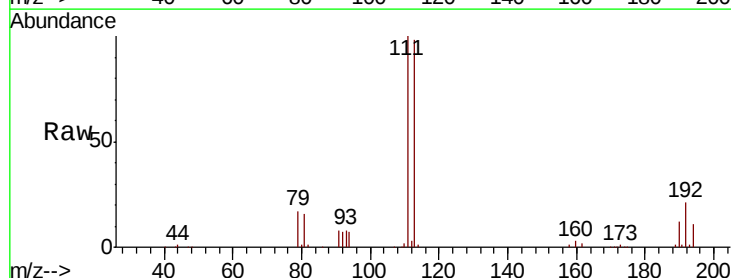
Tgt Ion:113 Resp: 387515

Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

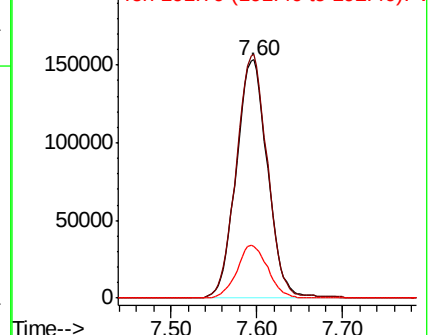
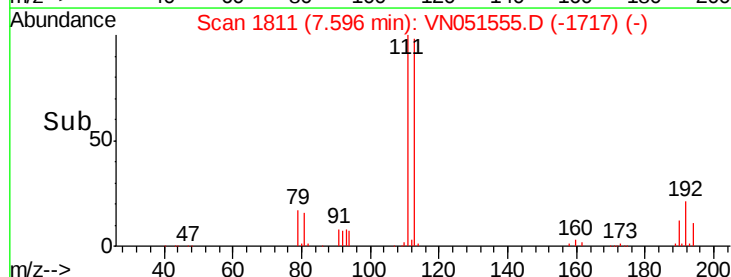
192 21.8 18.0 27.0

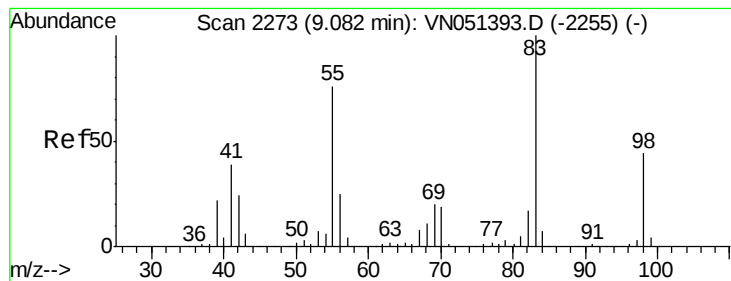


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#39

Methylcyclohexane

Concen: 1.094 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN051555.D

Acq: 26 Sep 2018 23:40

Instrument :

MSVOA\_N

ClientSampleId :

CS-RBR-200027

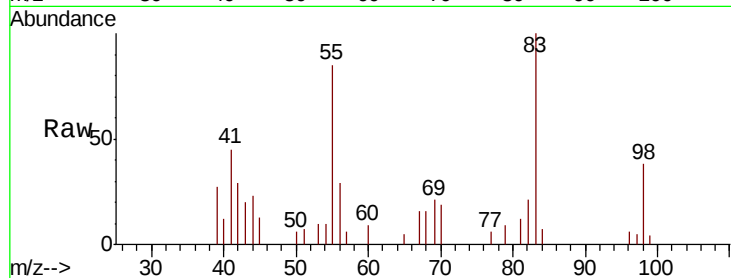
Tot Ion: 83 Resp: 14863

Ion Ratio Lower Upper

83 100

55 85.1 61.0 91.4

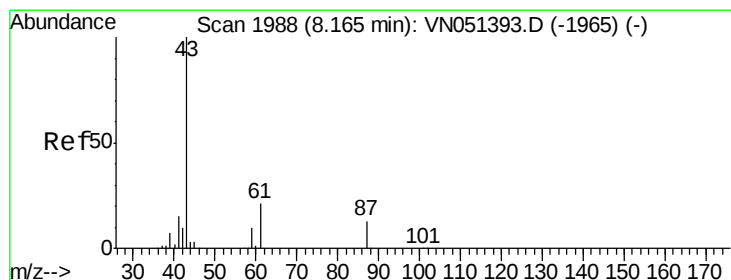
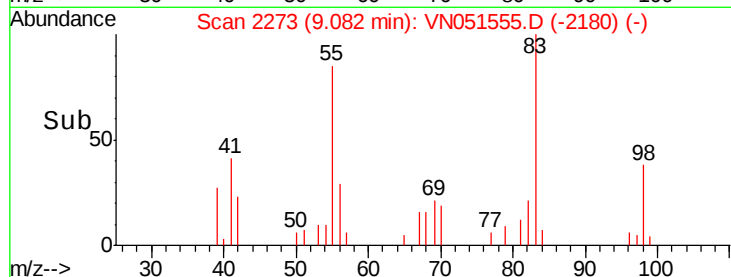
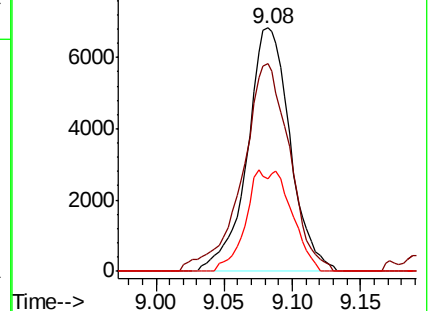
98 37.8 35.6 53.4



Abundance Ion 83.00 (82.70 to 83.70): VN051393.D (-2255) (-)

Ion 55.00 (54.70 to 55.70): VN051393.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN051393.D (-2255) (-)



#43

Isopropyl Acetate

Concen: 28.462 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN051555.D

Acq: 26 Sep 2018 23:40

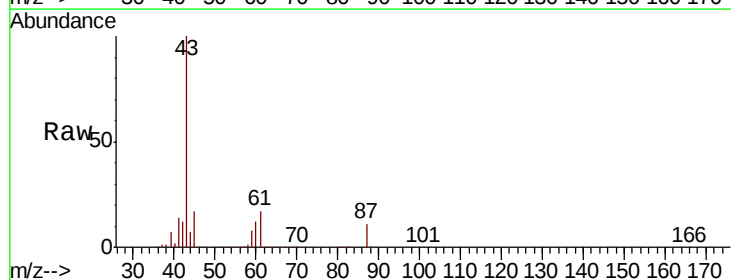
Tgt Ion: 43 Resp: 343865

Ion Ratio Lower Upper

43 100

61 14.9 16.8 25.2#

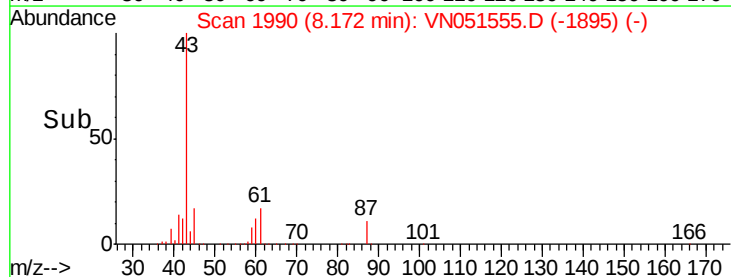
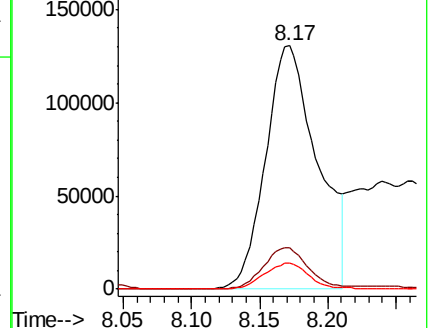
87 9.4 10.7 16.1#

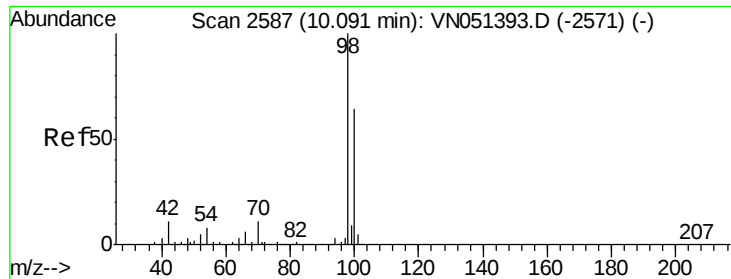


Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)

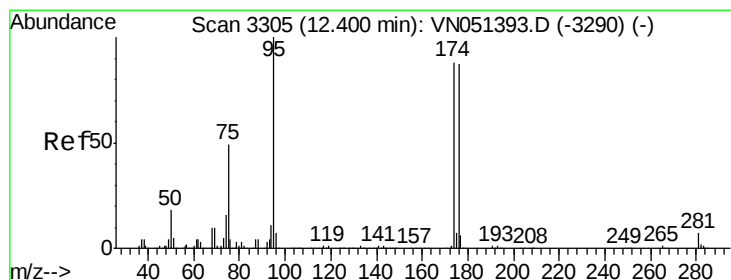
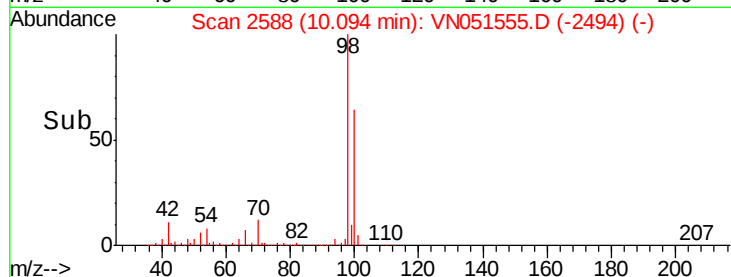
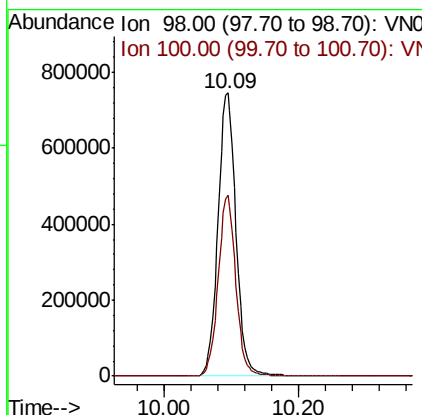
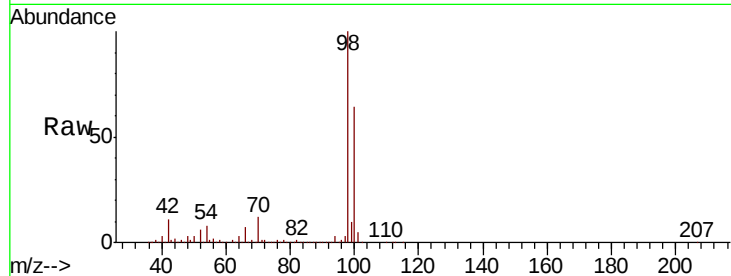




#50  
Toluene-d8  
Concen: 46.212 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN051555.D  
Acq: 26 Sep 2018 23:40

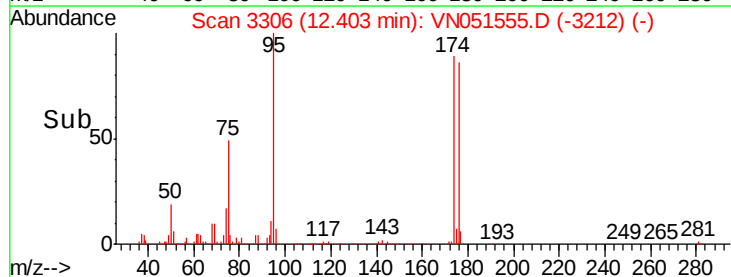
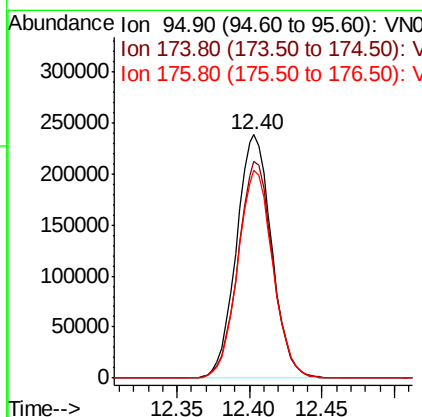
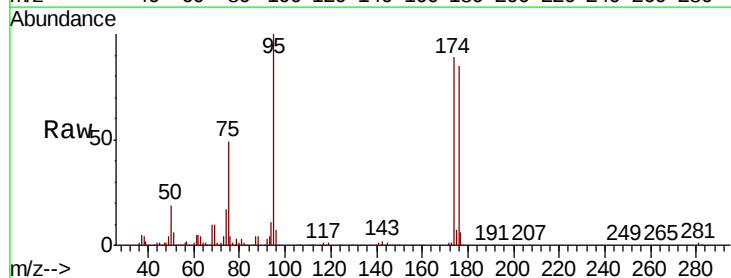
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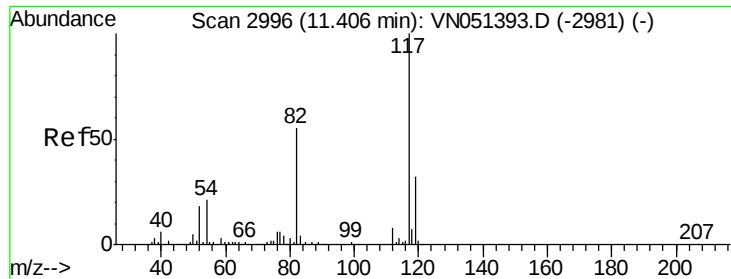
Tot Ion: 98 Resp: 1396371  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.6 75.8



#62  
4-Bromofluorobenzene  
Concen: 40.902 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051555.D  
Acq: 26 Sep 2018 23:40

Tgt Ion: 95 Resp: 399812  
Ion Ratio Lower Upper  
95 100  
174 88.8 0.0 181.6  
176 85.4 0.0 176.4

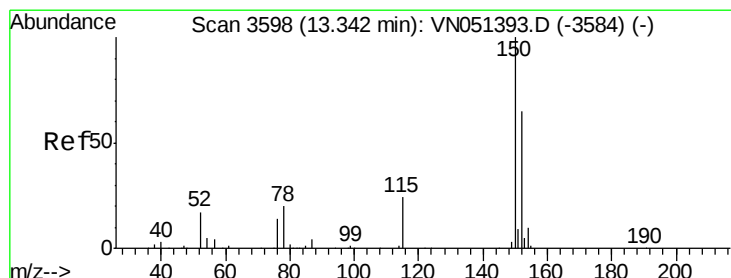
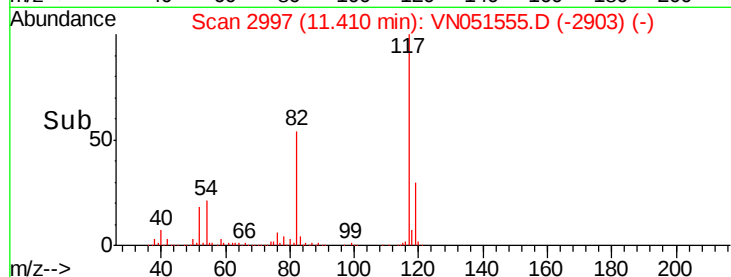
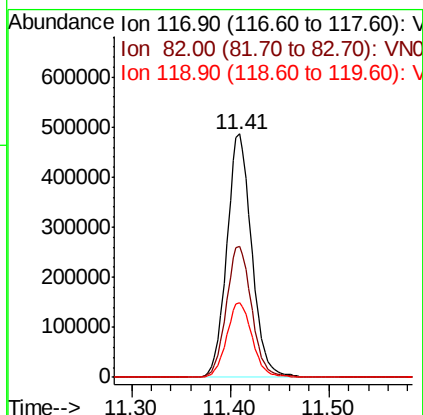
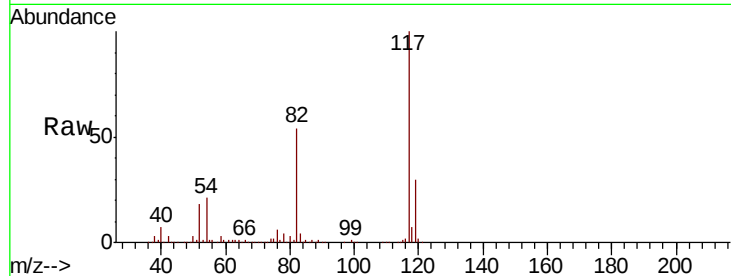




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN051555.D  
Acq: 26 Sep 2018 23:40

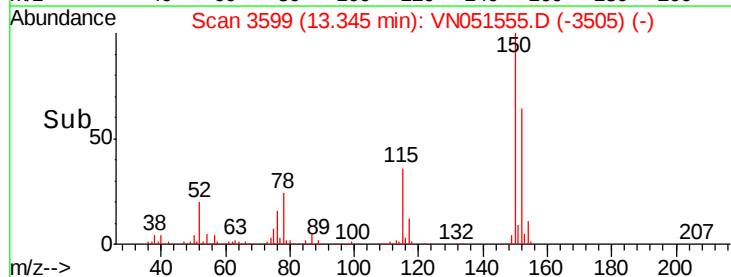
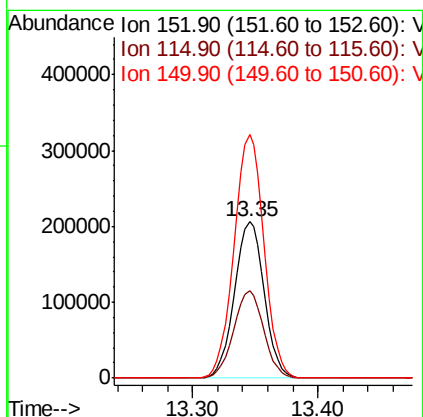
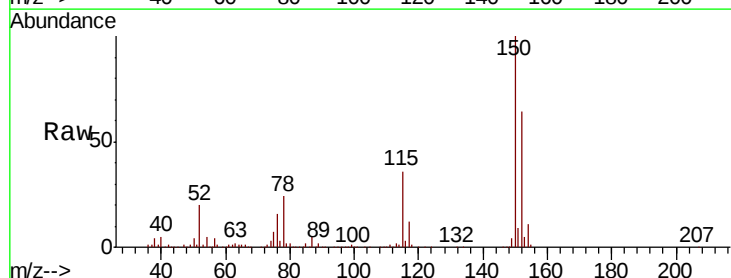
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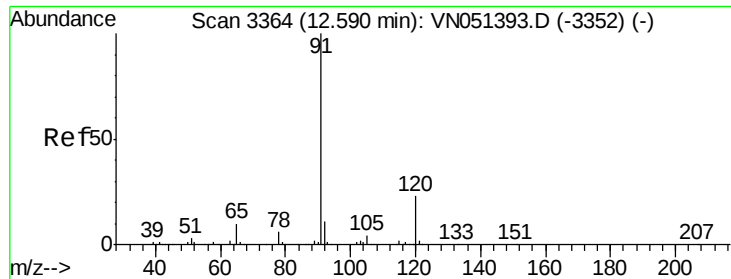
Tot Ion:117 Resp: 858013  
Ion Ratio Lower Upper  
117 100  
82 53.8 44.2 66.2  
119 30.5 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN051555.D  
Acq: 26 Sep 2018 23:40

Tgt Ion:152 Resp: 338887  
Ion Ratio Lower Upper  
152 100  
115 56.3 28.3 84.9  
150 156.5 0.0 353.6

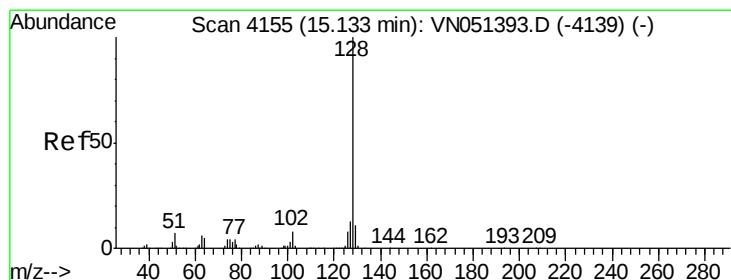
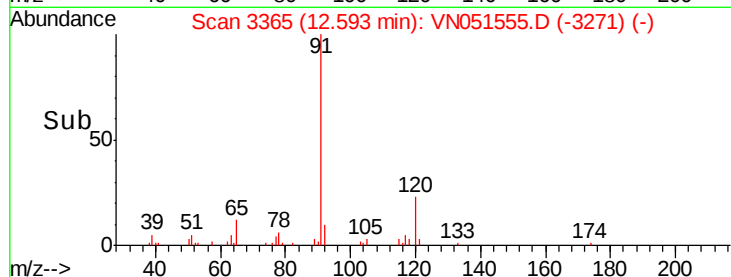
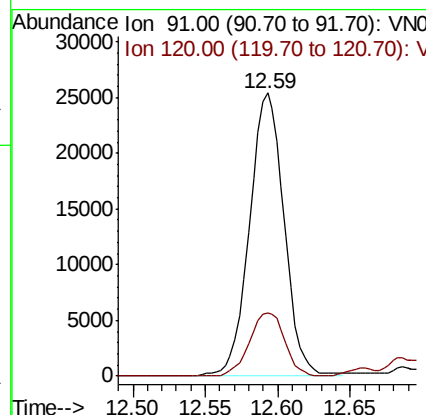
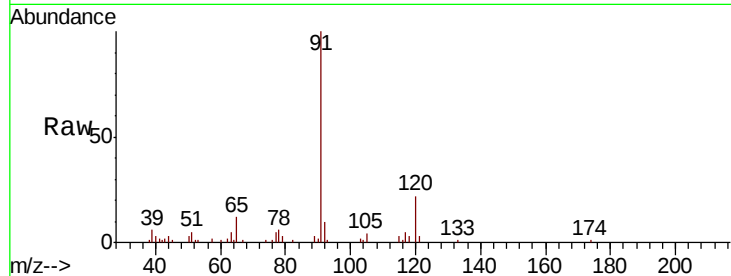




#78  
n-propylbenzene  
Concen: 1.311 ug/l  
RT: 12.59 min Scan# 3365  
Delta R.T. 0.00 min  
Lab File: VN051555.D  
Acq: 26 Sep 2018 23:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
CS-RBR-200027

Tot Ion: 91 Resp: 42238  
Ion Ratio Lower Upper  
91 100  
120 22.6 11.9 35.5



#95  
Naphthalene  
Concen: 9.195 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. -0.00 min  
Lab File: VN051555.D  
Acq: 26 Sep 2018 23:40

Tgt Ion: 128 Resp: 17273  
Ion Ratio Lower Upper  
128 100  
127 14.0 10.5 15.7  
129 11.4 8.6 12.8

