

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011119\  
 Data File : VN053376.D  
 Acq On : 11 Jan 2019 19:47  
 Operator : JC/SP  
 Sample : K1118-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 28

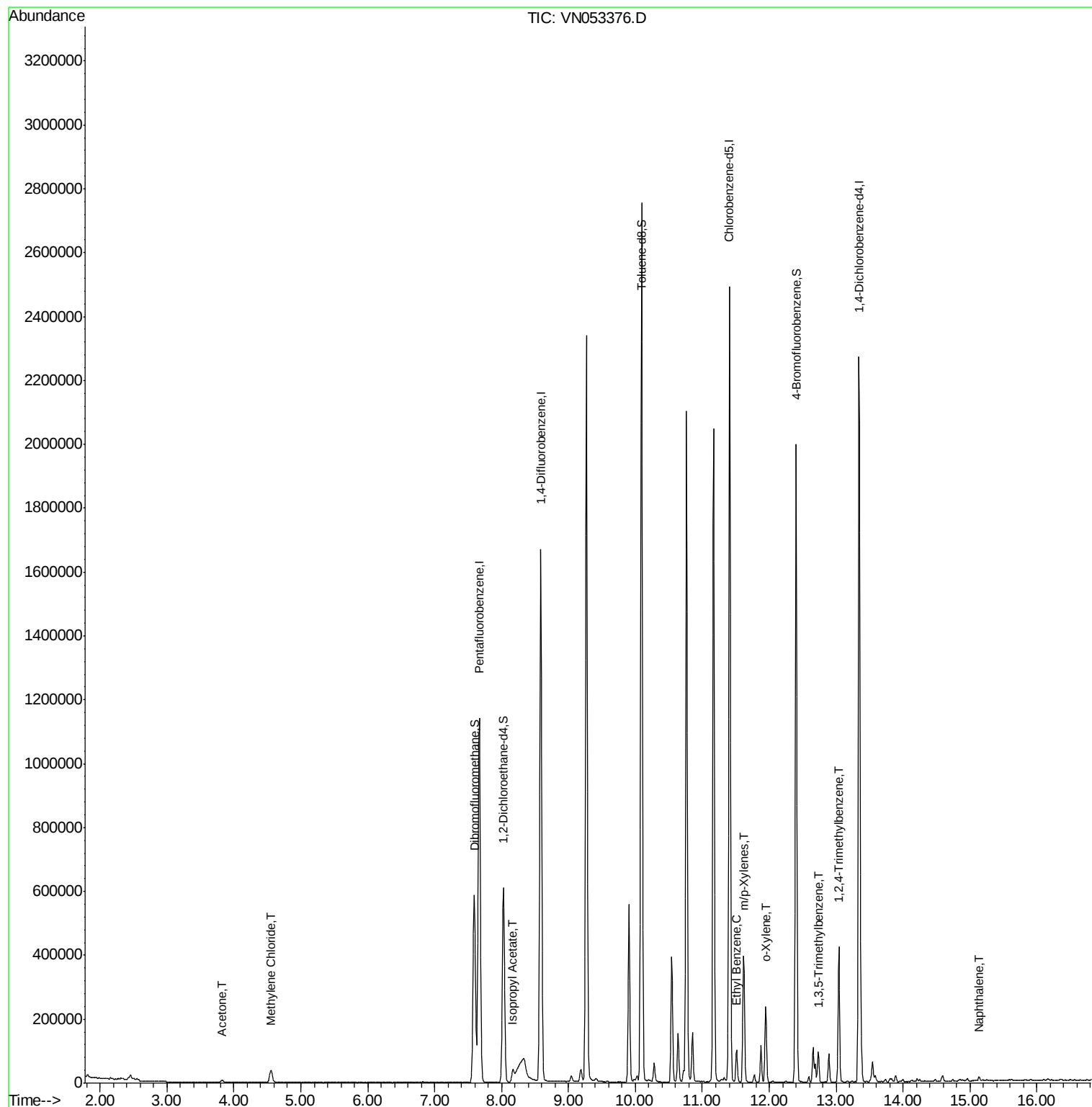
Quant Time: Jan 12 02:47:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N010519W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 07 09:34:27 2019  
 Response via : Initial Calibration

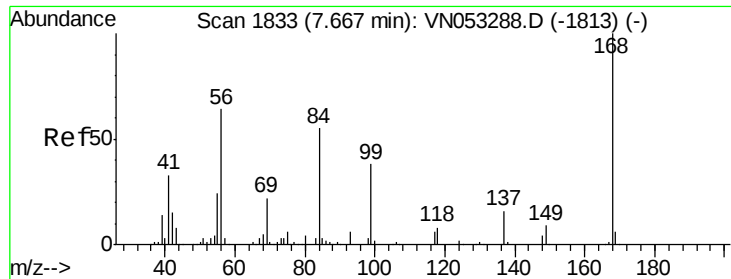
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67   | 168  | 1013720  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59   | 114  | 1572039  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 1498584  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 653497   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65   | 506136   | 47.99 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 95.98%  |          |
| 35) Dibromofluoromethane    | 7.59   | 113  | 455143   | 50.86 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 101.72% |          |
| 50) Toluene-d8              | 10.09  | 98   | 1973134  | 51.11 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 102.22% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 691936   | 51.20 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 102.40% |          |
| Target Compounds            |        |      |          |       |         |          |
| 16) Acetone                 | 3.82   | 43   | 12415    | 2.680 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.55   | 84   | 29241    | 2.581 | ug/l    | 95       |
| 43) Isopropyl Acetate       | 8.17   | 43   | 52838    | 2.810 | ug/l #  | 79       |
| 67) Ethyl Benzene           | 11.51  | 91   | 73072    | 1.321 | ug/l    | 100      |
| 68) m/p-Xylenes             | 11.62  | 106  | 133362   | 6.411 | ug/l    | 99       |
| 69) o-Xylene                | 11.95  | 106  | 68013    | 3.340 | ug/l    | 100      |
| 80) 1,3,5-Trimethylbenzene  | 12.73  | 105  | 52251    | 1.333 | ug/l    | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.04  | 105  | 247883   | 6.208 | ug/l    | 100      |
| 95) Naphthalene             | 15.13  | 128  | 12045    | 1.048 | ug/l #  | 94       |

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

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Quant Title : SW846 8260  
QLast Update : Mon Jan 07 09:34:27 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

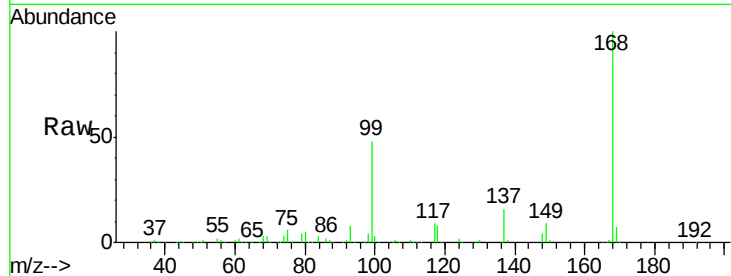
Delta R.T. 0.00 min

Lab File: VN053376.D

Acq: 11 Jan 2019 19:47

Tot Ion:168 Resp: 1013720

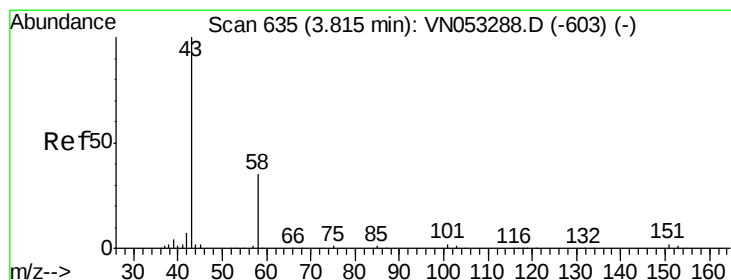
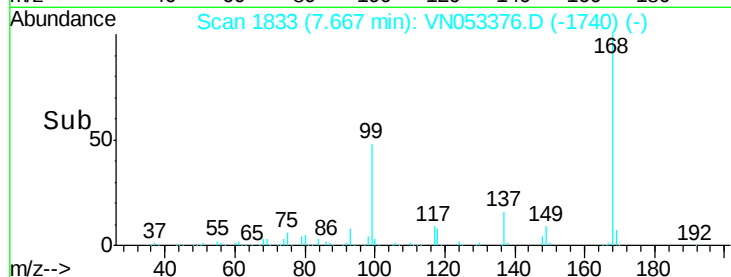
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 99  | 48.5  | 39.1  | 58.7  |



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

Time-->



#16

Acetone

Concen: 2.680 ug/l

RT: 3.82 min Scan# 636

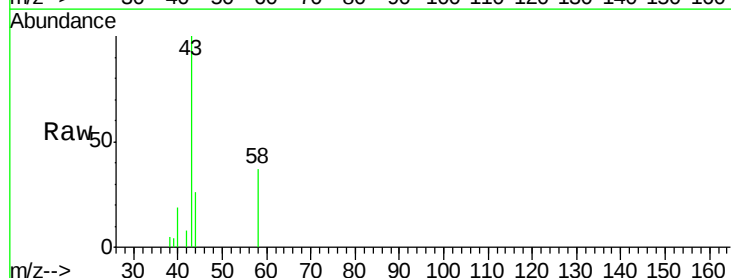
Delta R.T. 0.00 min

Lab File: VN053376.D

Acq: 11 Jan 2019 19:47

Tgt Ion: 43 Resp: 12415

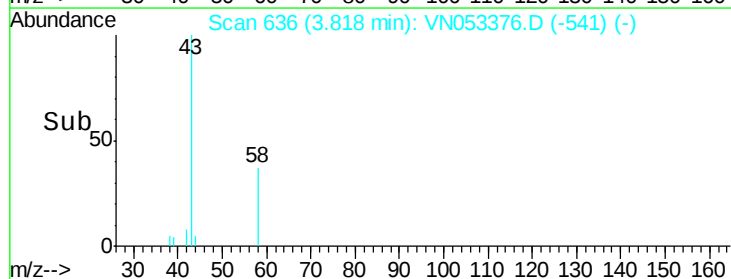
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 36.7  | 27.8  | 41.6  |

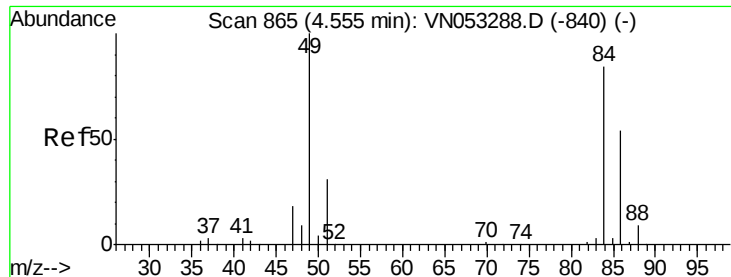


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

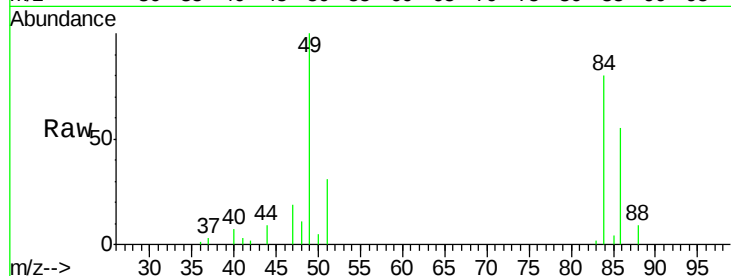
Time-->



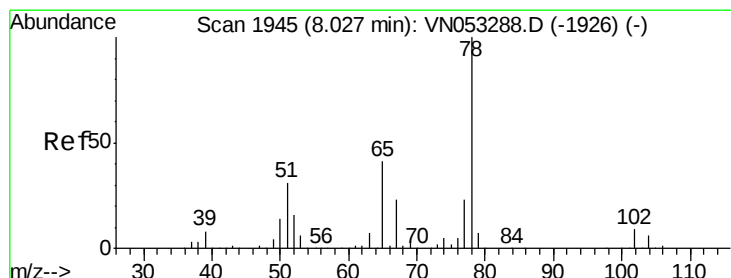
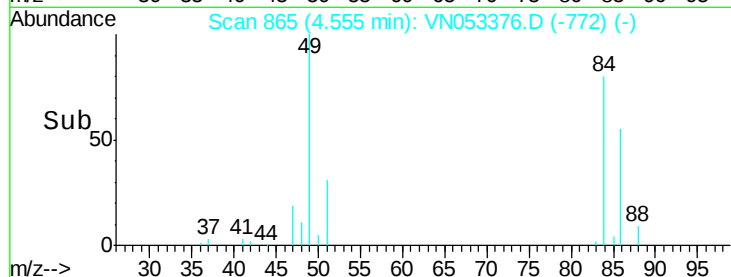
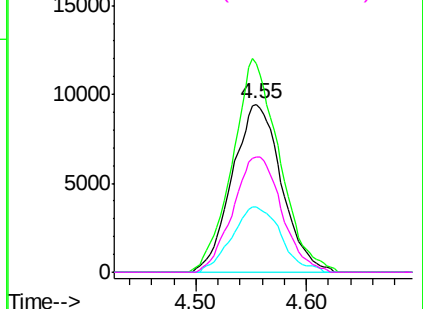


#20  
Methylene Chloride  
Concen: 2.581 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053376.D  
Acq: 11 Jan 2019 19:47

Tot Ion: 84 Resp: 29241  
Ion Ratio Lower Upper  
84 100  
49 124.3 95.3 142.9  
51 38.6 29.0 43.6  
86 68.8 51.7 77.5

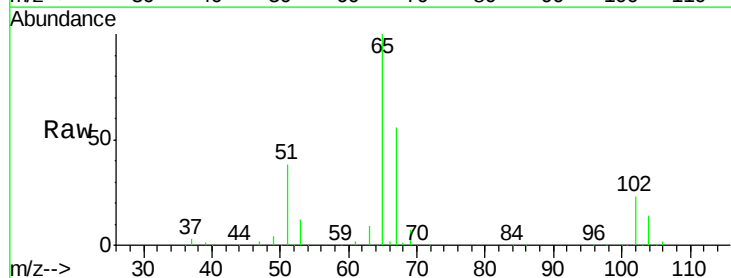


Abundance Ion 83.90 (83.60 to 84.60): VNO  
Ion 48.90 (48.60 to 49.60): VNO  
Ion 50.90 (50.60 to 51.60): VNO  
Ion 85.90 (85.60 to 86.60): VNO

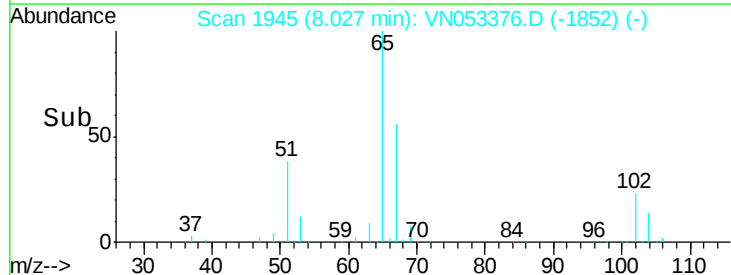
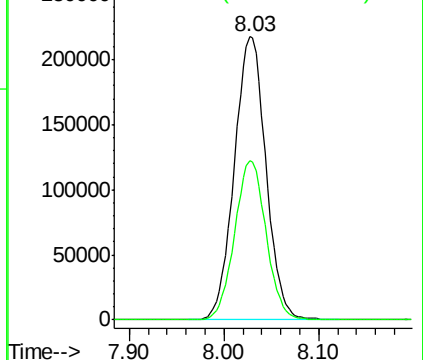


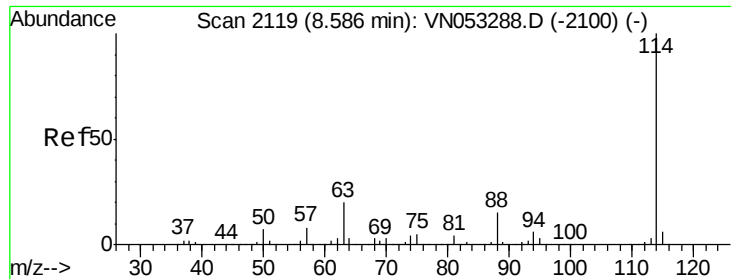
#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN053376.D  
Acq: 11 Jan 2019 19:47

Tgt Ion: 65 Resp: 506136  
Ion Ratio Lower Upper  
65 100  
67 55.9 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VNO  
Ion 66.90 (66.60 to 67.60): VNO

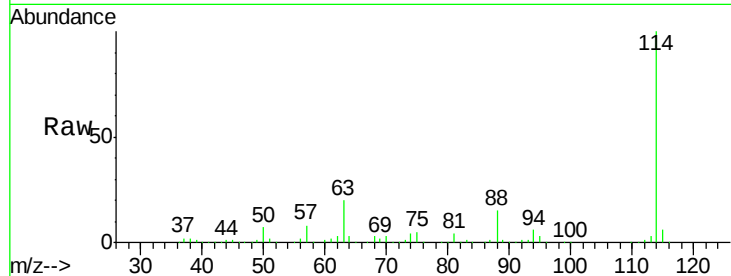




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053376.D  
 Acq: 11 Jan 2019 19:47

Tot Ion:114 Resp: 1572039

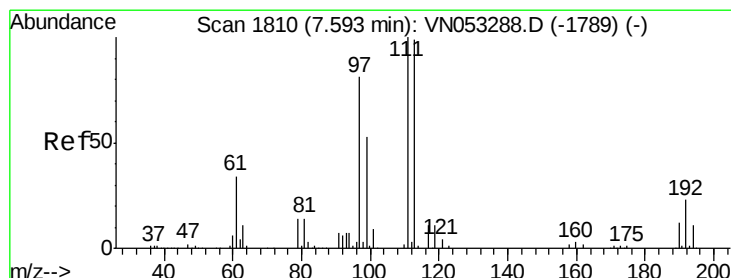
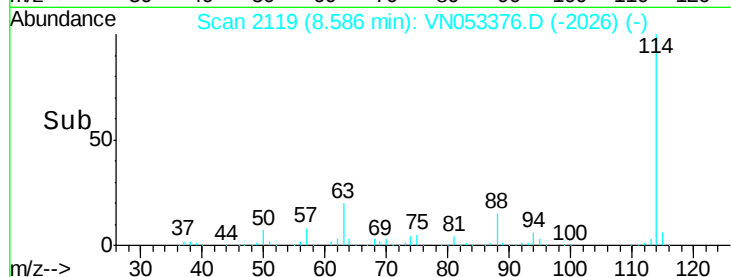
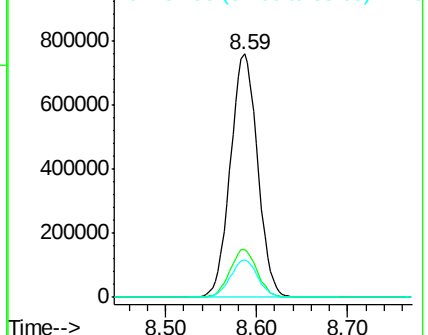
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.6  | 0.0   | 39.0  |
| 88  | 15.4  | 0.0   | 30.8  |



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

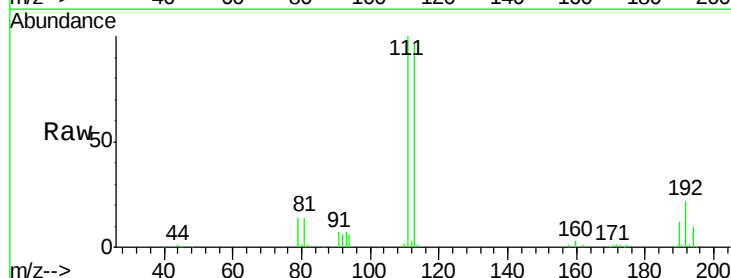
Ion 87.90 (87.60 to 88.60): V



#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053376.D  
 Acq: 11 Jan 2019 19:47

Tgt Ion:113 Resp: 455143

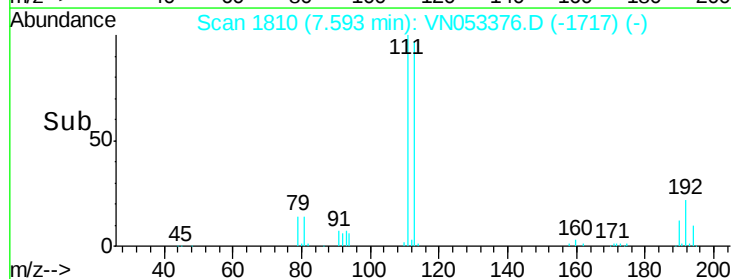
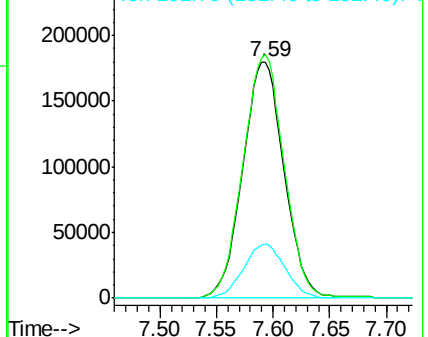
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.3 | 81.4  | 122.2 |
| 192 | 22.8  | 17.9  | 26.9  |

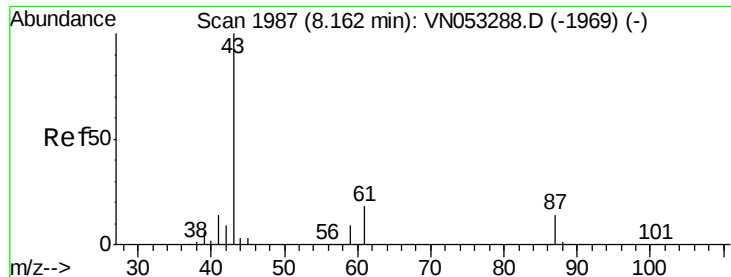


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

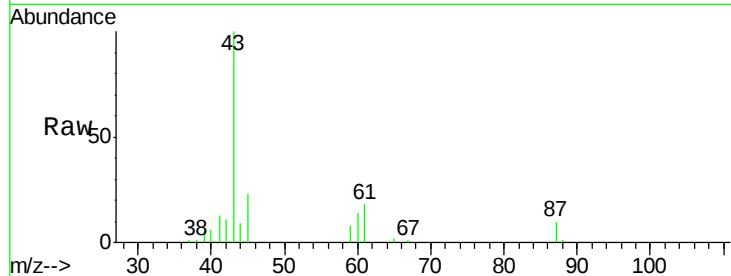




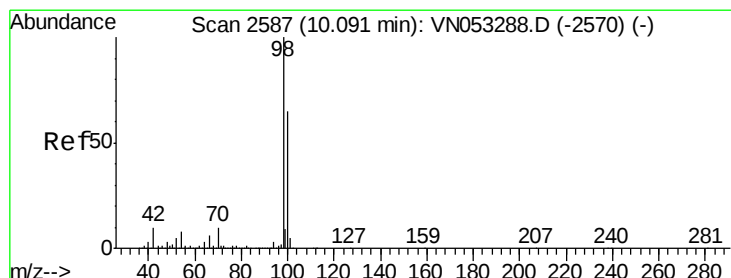
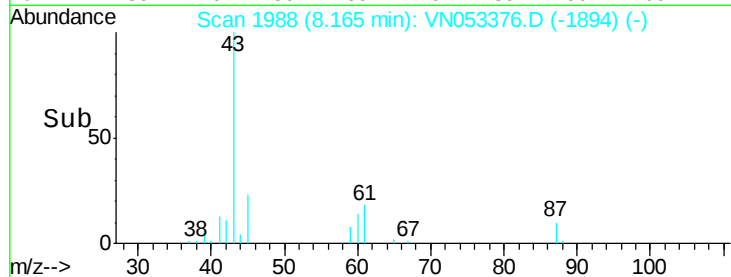
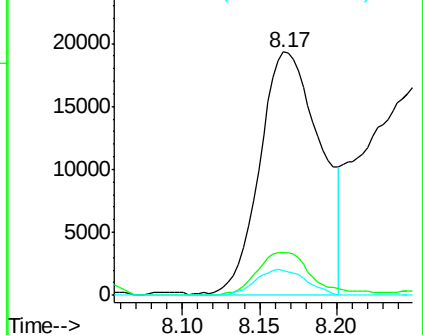
#43

Isopropyl Acetate  
 Concen: 2.810 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: VN053376.D  
 Acq: 11 Jan 2019 19:47

| Tot Ion | 43    | 61   | 87   |
|---------|-------|------|------|
| Resp    | 52838 |      |      |
| Ratio   | 100   | 15.5 | 8.7  |
| Lower   |       | 23.3 | 10.8 |
| Upper   |       | 34.9 | 16.2 |



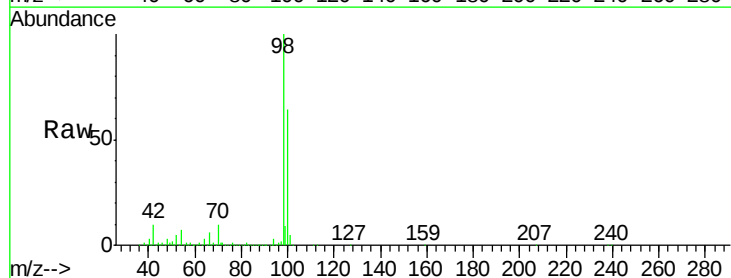
Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-1969) (-)  
 Ion 61.00 (60.70 to 61.70): VN053288.D (-1969) (-)  
 Ion 87.00 (86.70 to 87.70): VN053288.D (-1969) (-)



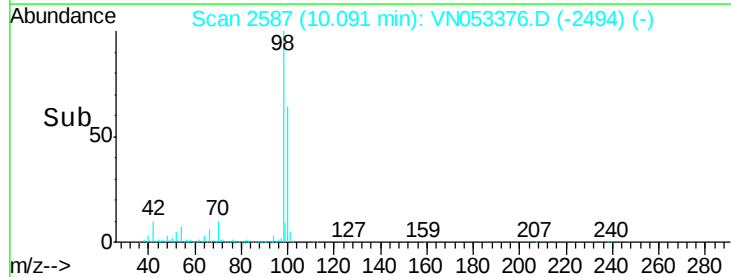
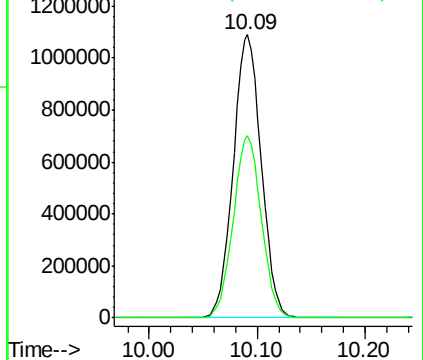
#50

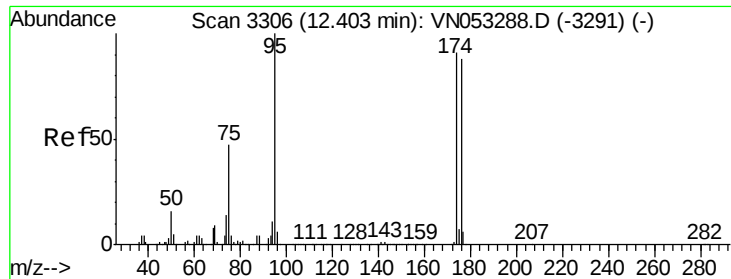
Toluene-d8  
 Concen: N.D. ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. 0.00 min  
 Lab File: VN053376.D  
 Acq: 11 Jan 2019 19:47

| Tgt Ion | 98      | 100  |
|---------|---------|------|
| Resp    | 1973134 |      |
| Ratio   | 100     | 64.4 |
| Lower   |         | 51.5 |
| Upper   |         | 77.3 |



Abundance Ion 98.00 (97.70 to 98.70): VN053288.D (-2570) (-)  
 Ion 100.00 (99.70 to 100.70): VN053288.D (-2570) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053376.D

Acq: 11 Jan 2019 19:47

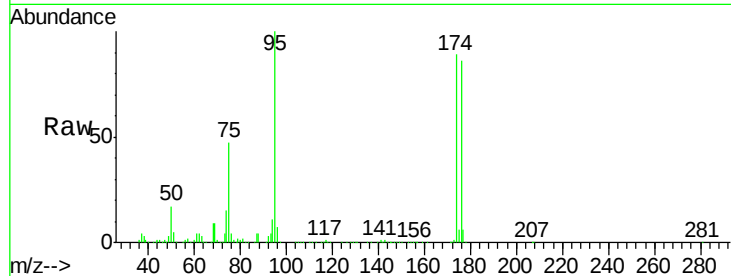
Tot Ion: 95 Resp: 691936

Ion Ratio Lower Upper

95 100

174 90.0 0.0 180.4

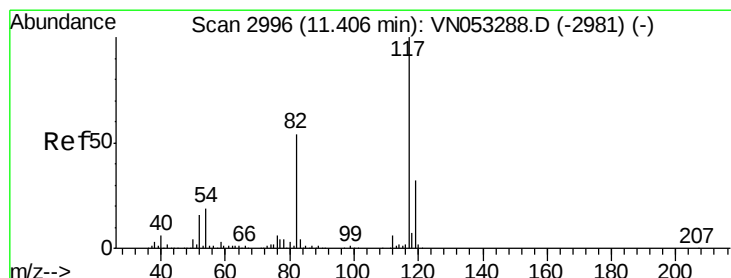
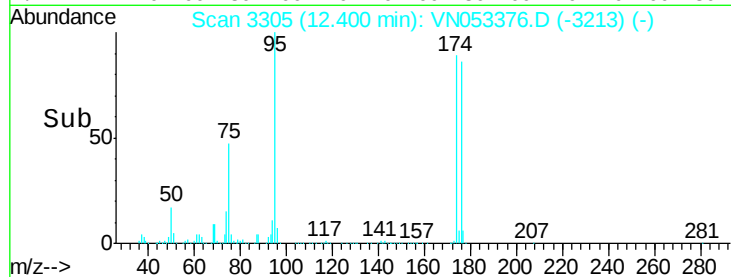
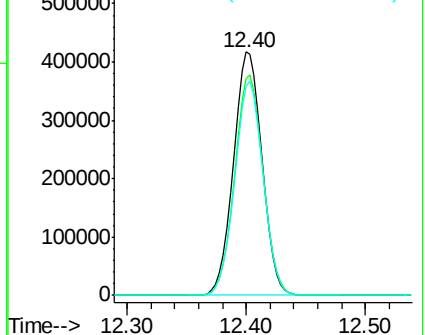
176 87.4 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VN053288.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053288.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053288.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053376.D

Acq: 11 Jan 2019 19:47

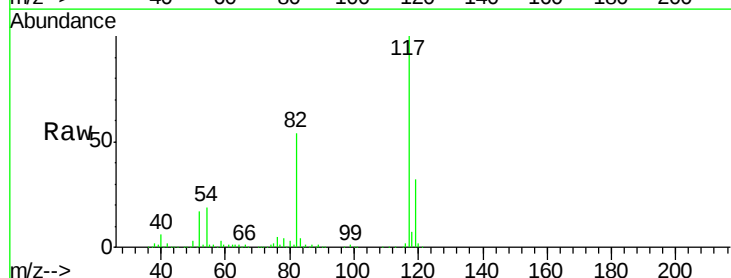
Tgt Ion: 117 Resp: 1498584

Ion Ratio Lower Upper

117 100

82 53.6 42.9 64.3

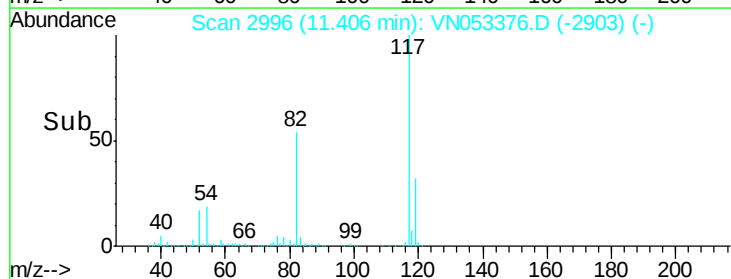
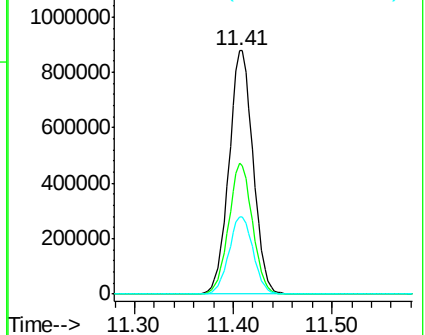
119 32.0 25.6 38.4

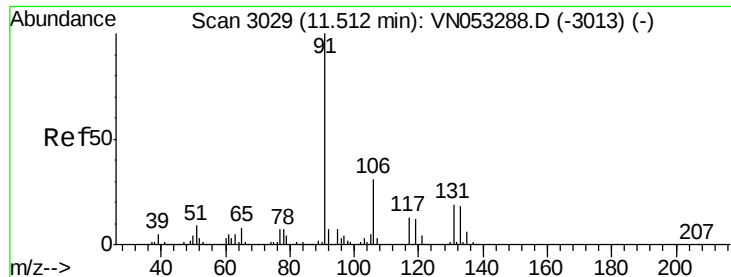


Abundance Ion 116.90 (116.60 to 117.60): VN053288.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN053288.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN053288.D (-2981) (-)





#67

Ethyl Benzene

Concen: 1.321 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053376.D

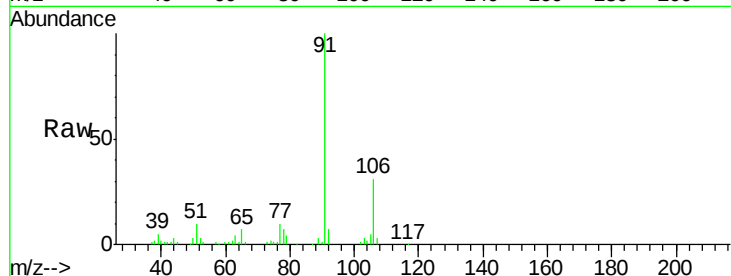
Acq: 11 Jan 2019 19:47

Tot Ion: 91 Resp: 73072

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN053288.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN053288.D (-3013) (-)

60000

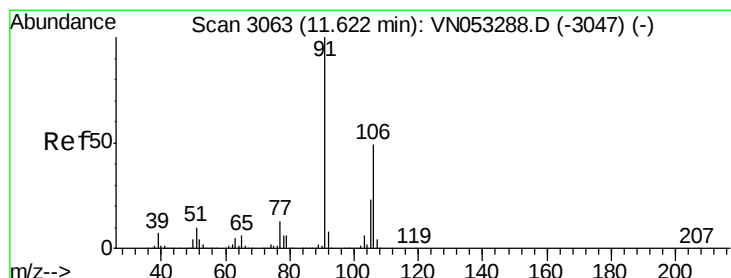
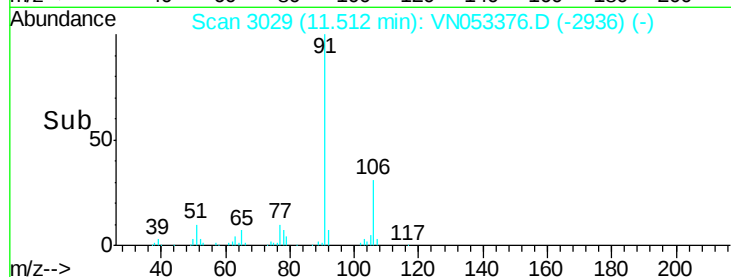
40000

20000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 6.411 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053376.D

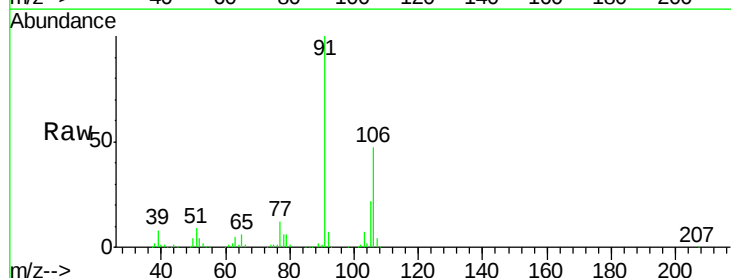
Acq: 11 Jan 2019 19:47

Tgt Ion: 106 Resp: 133362

Ion Ratio Lower Upper

106 100

91 203.1 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): VN053288.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN053288.D (-3047) (-)

150000

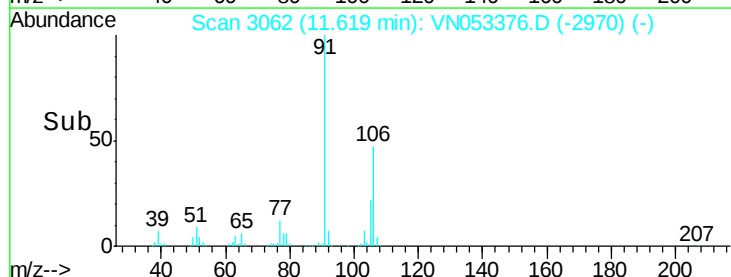
100000

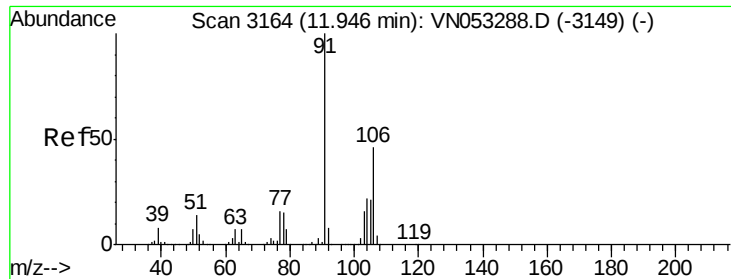
50000

0

11.55 11.60 11.65 11.70

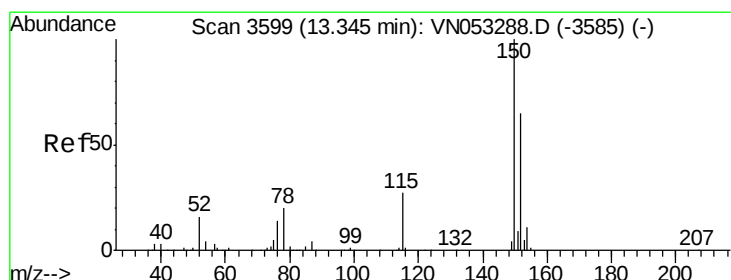
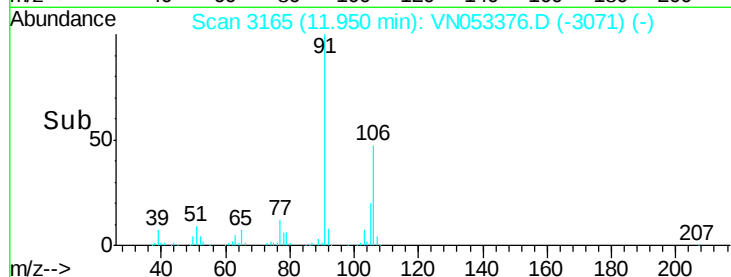
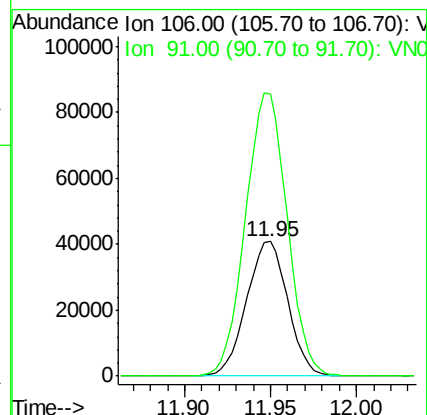
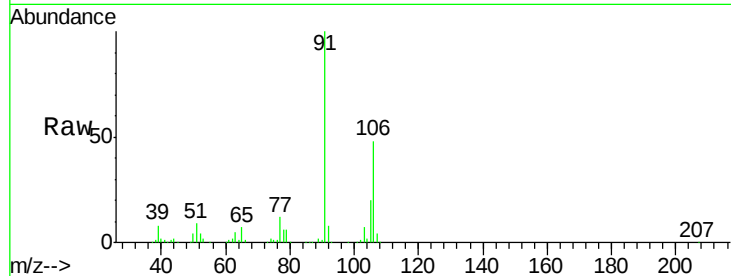
Time-->





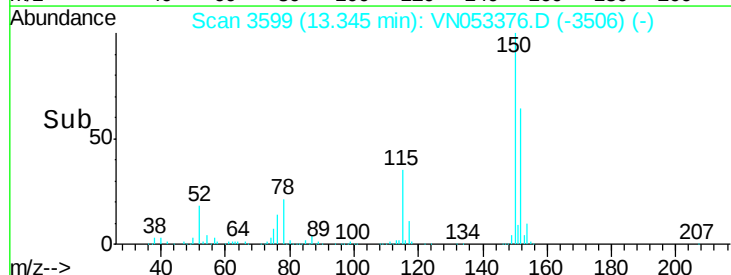
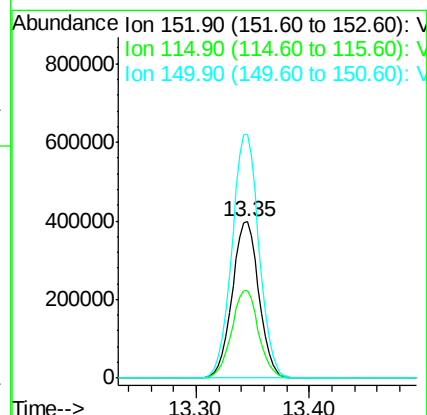
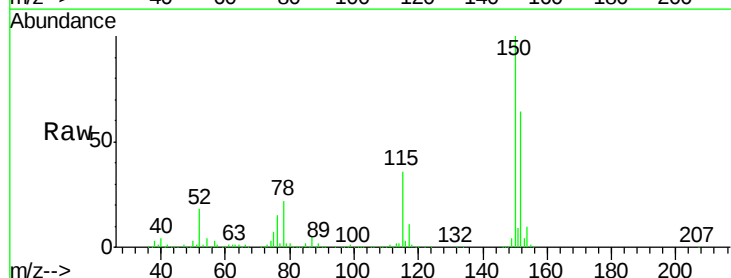
#69  
o-Xylene  
Concen: 3.340 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN053376.D  
Acq: 11 Jan 2019 19:47

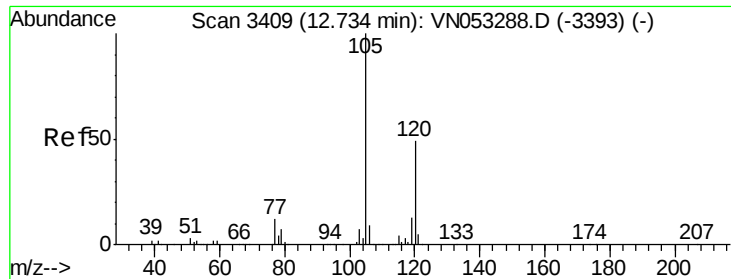
Tot Ion:106 Resp: 68013  
Ion Ratio Lower Upper  
106 100  
91 212.9 106.8 320.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN053376.D  
Acq: 11 Jan 2019 19:47

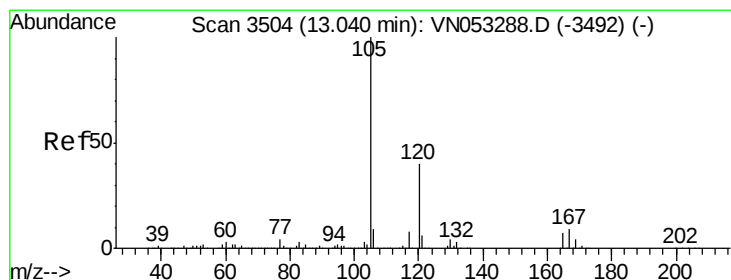
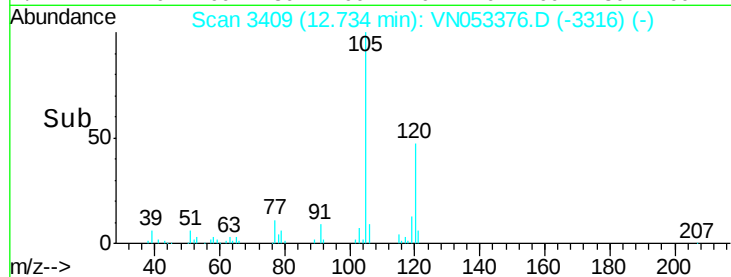
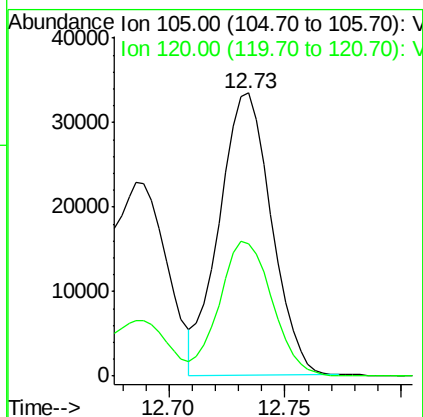
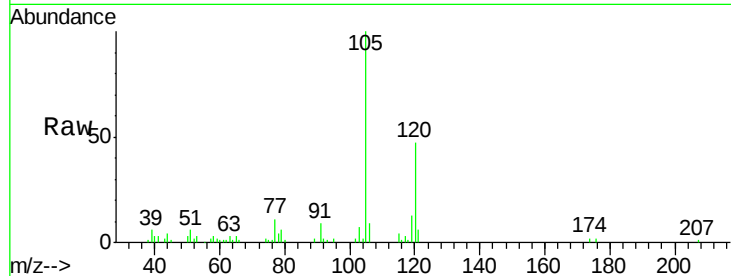
Tgt Ion:152 Resp: 653497  
Ion Ratio Lower Upper  
152 100  
115 56.7 28.0 84.0  
150 157.3 0.0 346.6





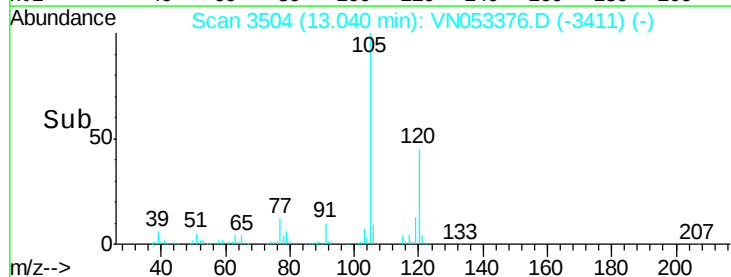
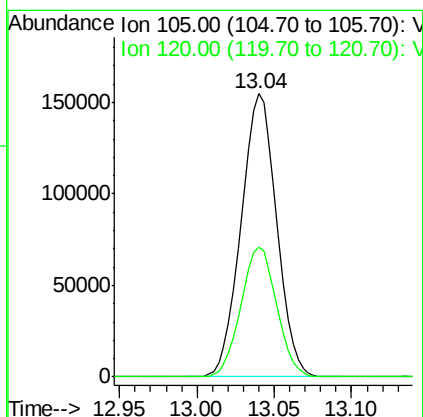
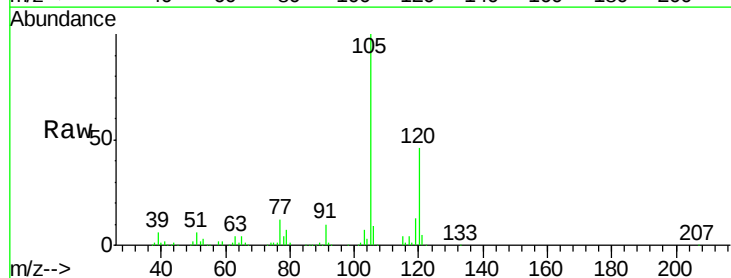
#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.333 ug/l  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.00 min  
 Lab File: VN053376.D  
 Acq: 11 Jan 2019 19:47

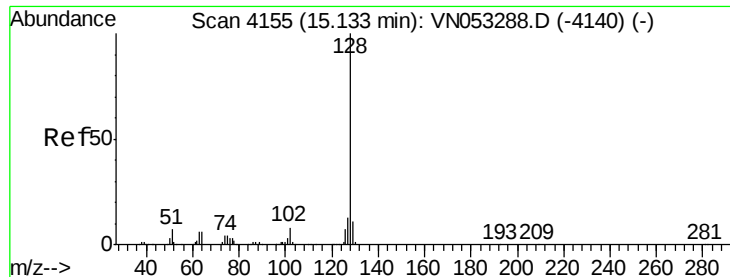
Tot Ion:105 Resp: 52251  
 Ion Ratio Lower Upper  
 105 100  
 120 48.3 24.7 74.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 6.208 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN053376.D  
 Acq: 11 Jan 2019 19:47

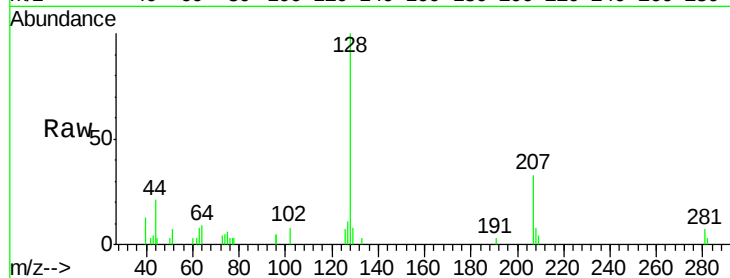
Tgt Ion:105 Resp: 247883  
 Ion Ratio Lower Upper  
 105 100  
 120 45.9 23.0 69.0





#95  
Naphthalene  
Concen: 1.048 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN053376.D  
Acq: 11 Jan 2019 19:47

Tot Ion:128 Resp: 12045  
Ion Ratio Lower Upper  
128 100  
127 11.5 10.4 15.6  
129 7.9 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

