

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\  
 Data File : VN053016.D  
 Acq On : 19 Dec 2018 17:30  
 Operator : MD\SY  
 Sample : PB115821ZHE#06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115821ZHE#06

Quant Time: Dec 20 06:39:05 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

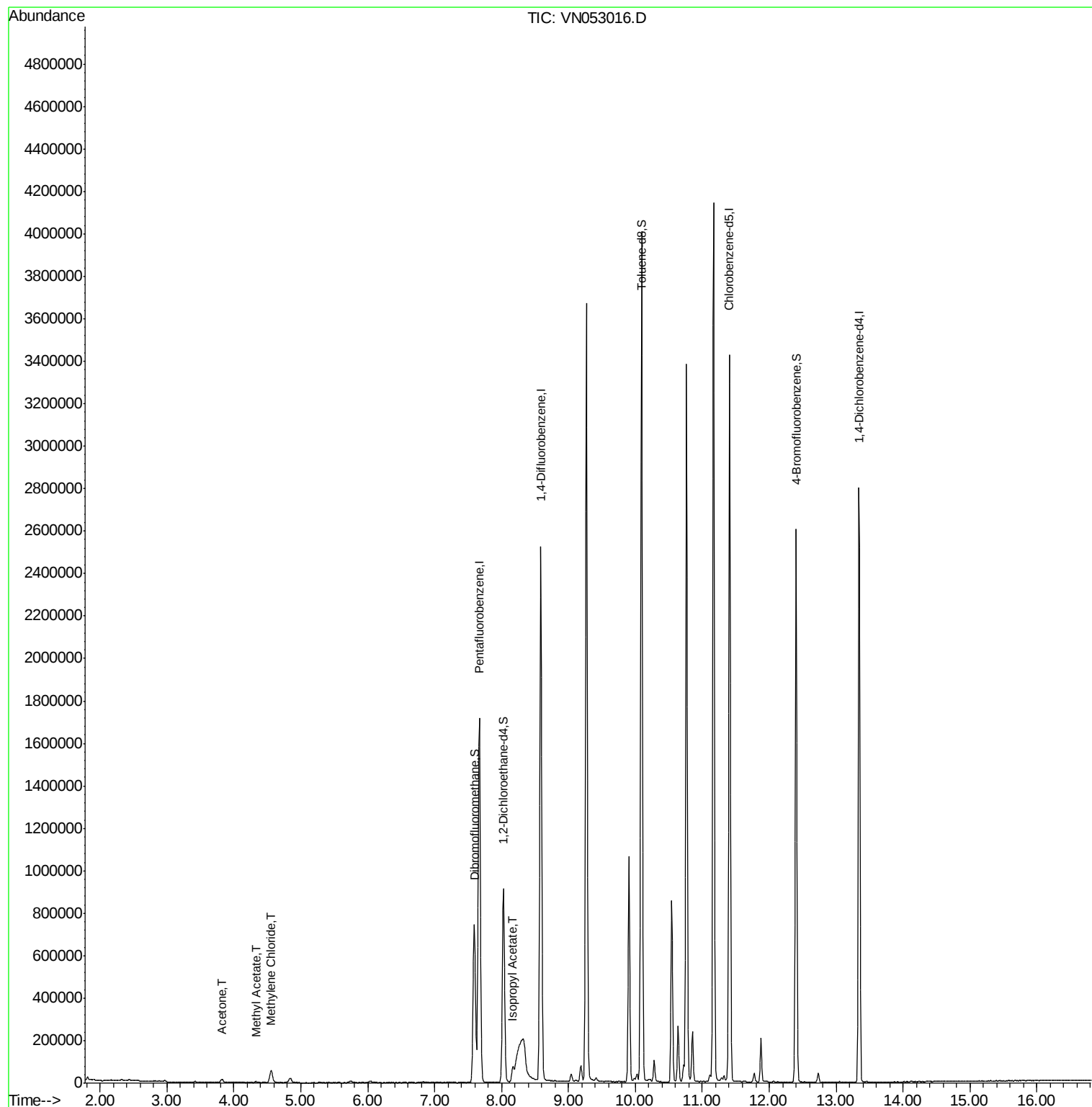
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1521729  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 2341242  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 2075820  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 815948   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 759305   | 49.17 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.34%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 570667   | 53.36 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.72% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2860518  | 49.82 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.64%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 922700   | 45.78 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.56%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 27931    | 9.225 | ug/l    | 93       |
| 18) Methyl Acetate          | 4.33  | 43   | 7570     | 1.532 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.56  | 84   | 43565    | 2.638 | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 84737    | 2.498 | ug/l #  | 84       |

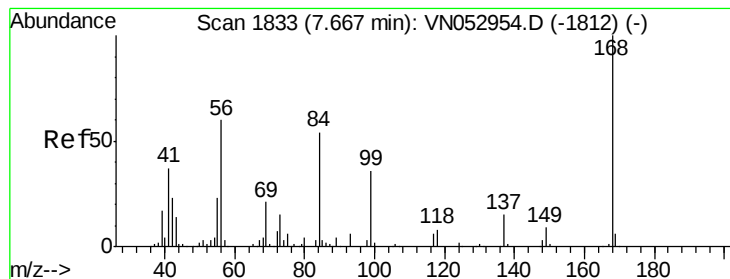
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 2018  
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: VN053016.D

Acq: 19 Dec 2018 17:30

Instrument :

MSVOA\_N

ClientSampleId :

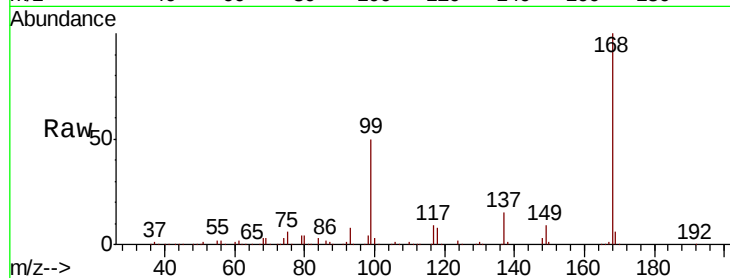
PB115821ZHE#06

Tot Ion:168 Resp: 1521729

Ion Ratio Lower Upper

168 100

99 49.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

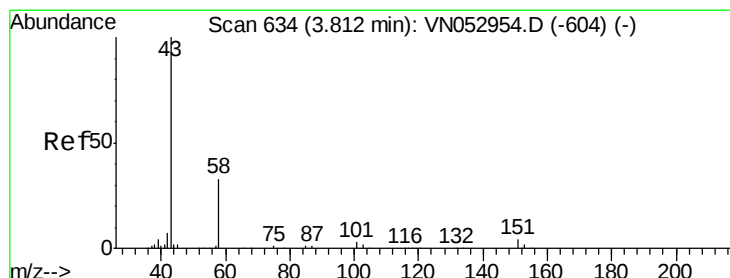
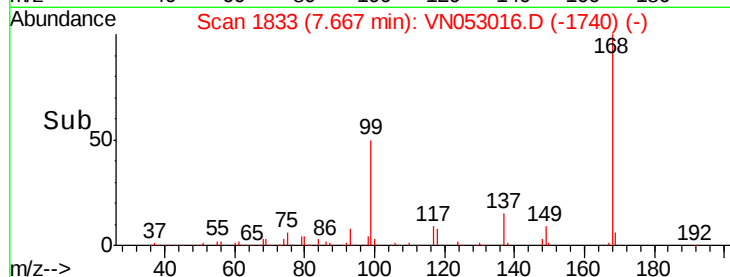
400000

200000

0

Time-->

7.60 7.70 7.80



#16

Acetone

Concen: 9.225 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053016.D

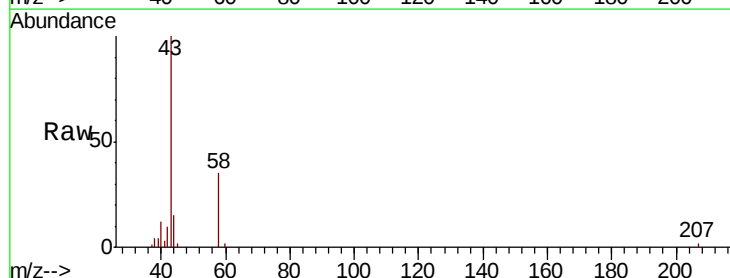
Acq: 19 Dec 2018 17:30

Tgt Ion: 43 Resp: 27931

Ion Ratio Lower Upper

43 100

58 35.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

12000

10000

8000

6000

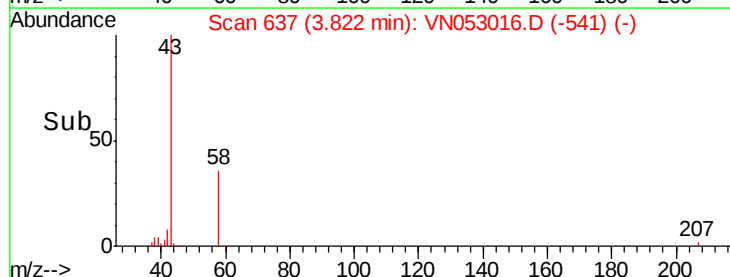
4000

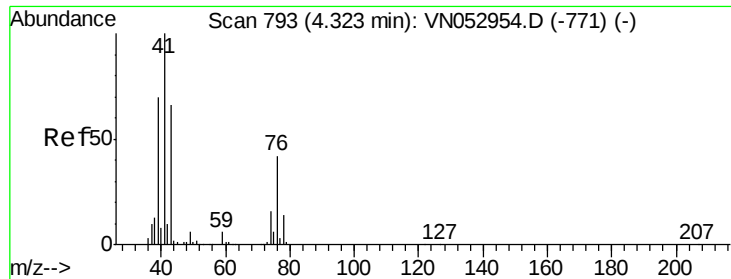
2000

0

Time-->

3.70 3.80 3.90

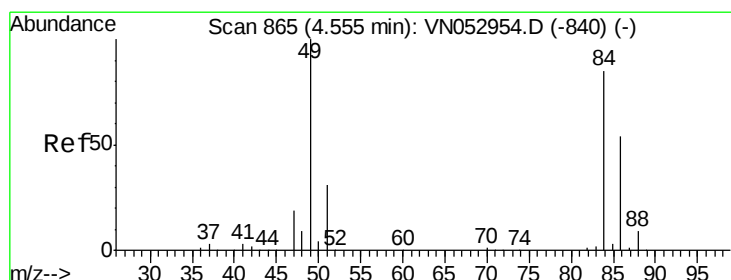
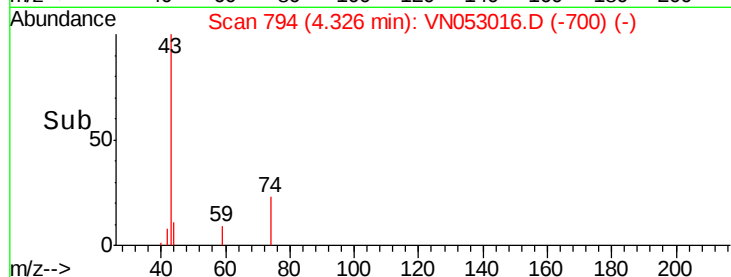
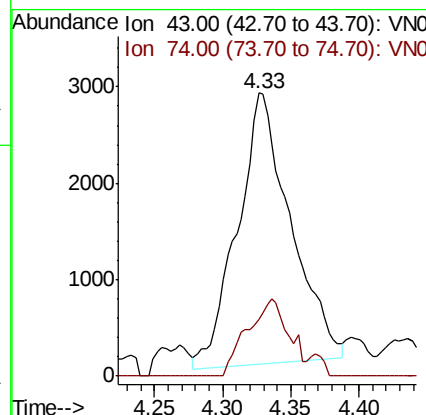
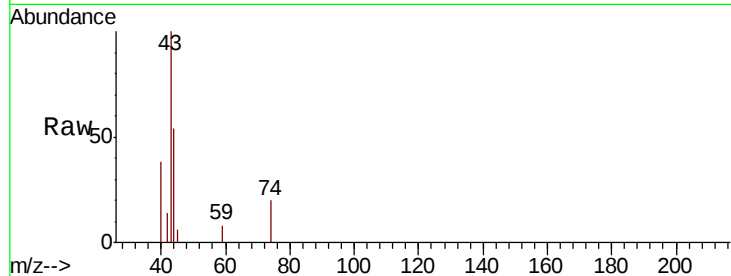




#18  
Methyl Acetate  
Concen: 1.532 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN053016.D  
Acq: 19 Dec 2018 17:30

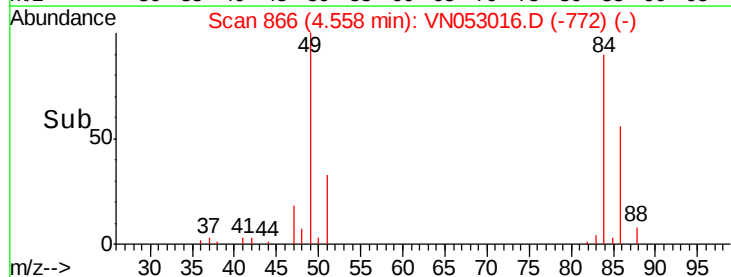
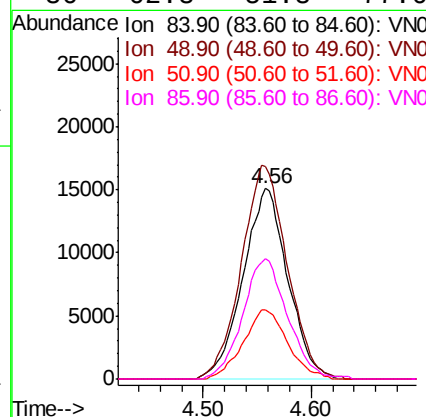
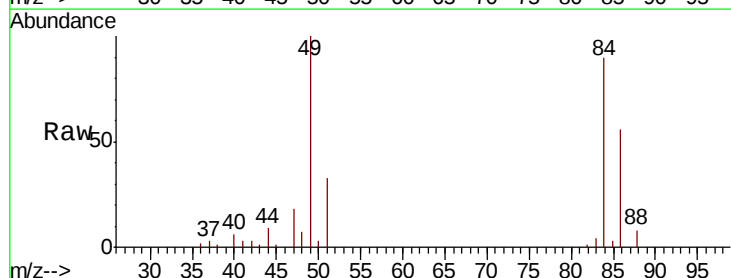
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB115821ZHE#06

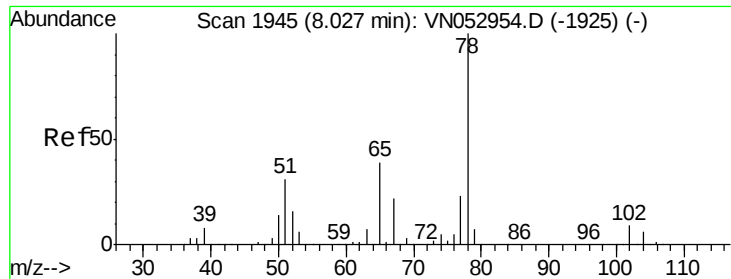
Tot Ion: 43 Resp: 7570  
Ion Ratio Lower Upper  
43 100  
74 22.4 19.2 28.8



#20  
Methylene Chloride  
Concen: 2.638 ug/l  
RT: 4.56 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: VN053016.D  
Acq: 19 Dec 2018 17:30

Tgt Ion: 84 Resp: 43565  
Ion Ratio Lower Upper  
84 100  
49 111.7 96.8 145.2  
51 36.3 29.9 44.9  
86 62.8 51.8 77.6

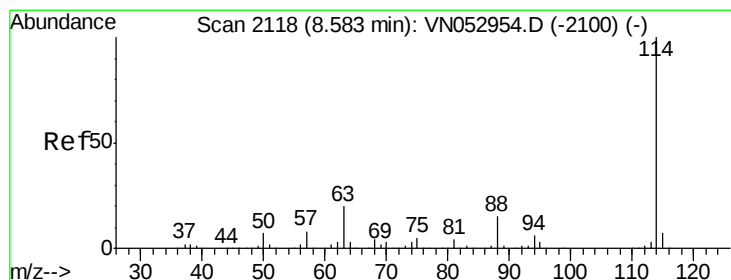
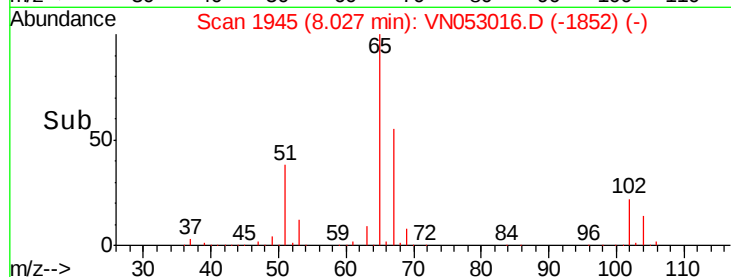
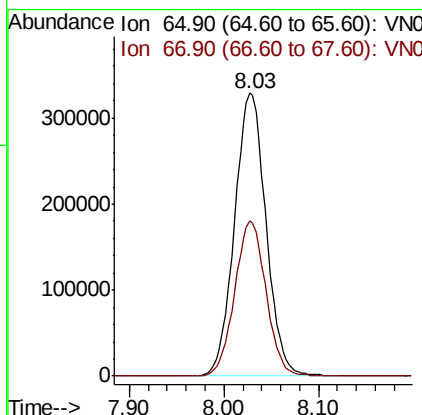
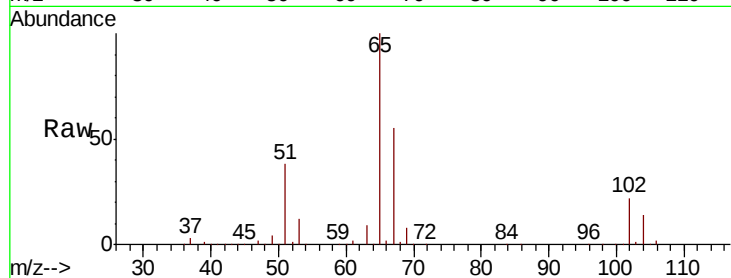




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053016.D  
 Acq: 19 Dec 2018 17:30

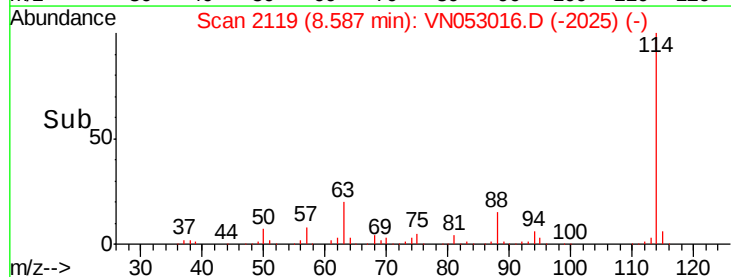
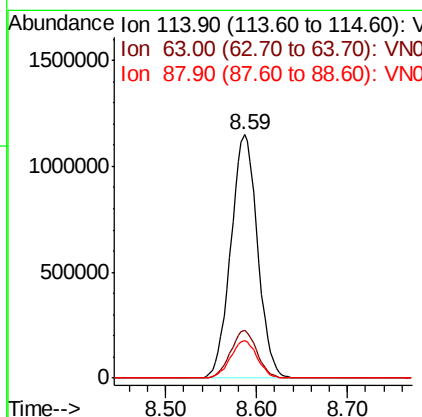
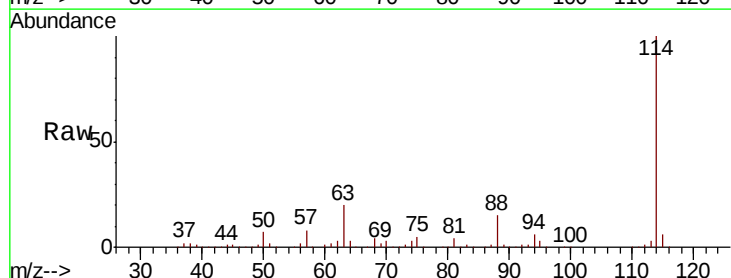
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115821ZHE#06

Tot Ion: 65 Resp: 759305  
 Ion Ratio Lower Upper  
 65 100  
 67 54.6 0.0 110.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053016.D  
 Acq: 19 Dec 2018 17:30

Tgt Ion: 114 Resp: 2341242  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 39.8  
 88 15.4 0.0 31.0

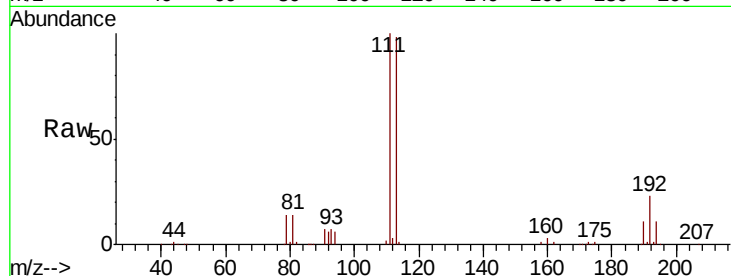




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053016.D  
 Acq: 19 Dec 2018 17:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115821ZHE#06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 83.0  | 124.4 |
| 192     | 22.9  | 17.5  | 26.3  |

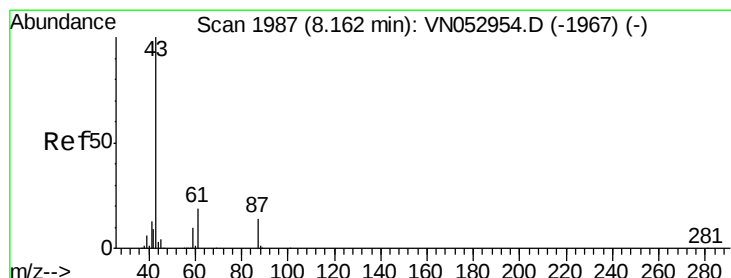
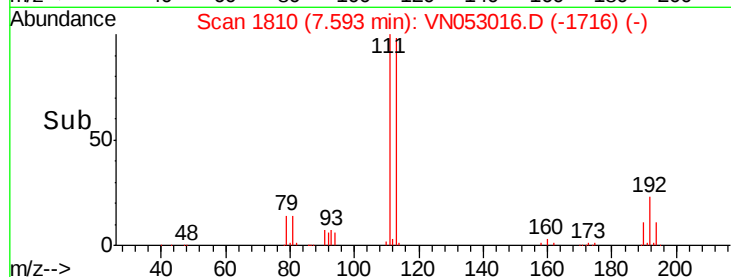
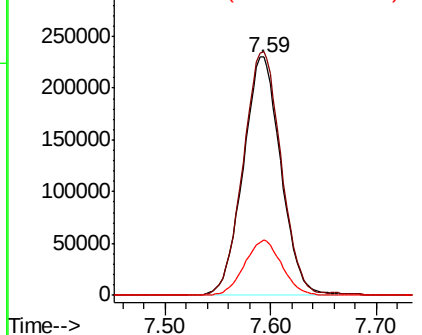


Abundance

Ion 112.80 (112.50 to 113.50): V

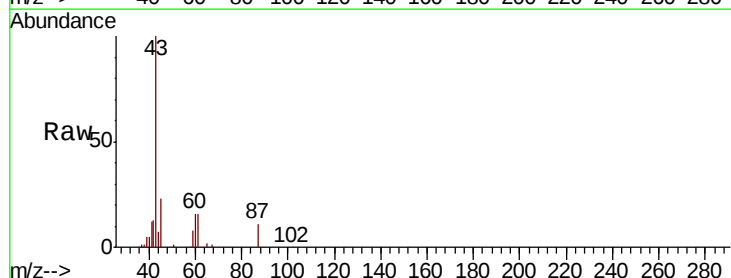
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#43  
 Isopropyl Acetate  
 Concen: 2.498 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. 0.01 min  
 Lab File: VN053016.D  
 Acq: 19 Dec 2018 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.2  | 22.9  | 34.3# |
| 87      | 11.1  | 10.6  | 15.8  |

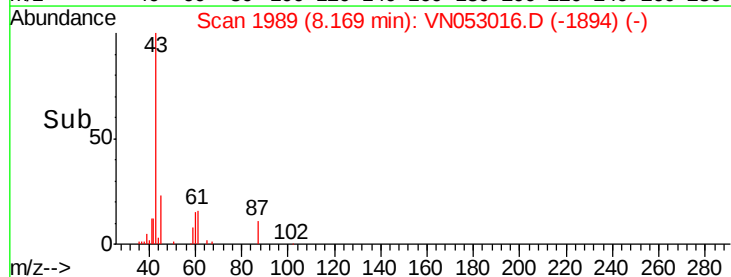
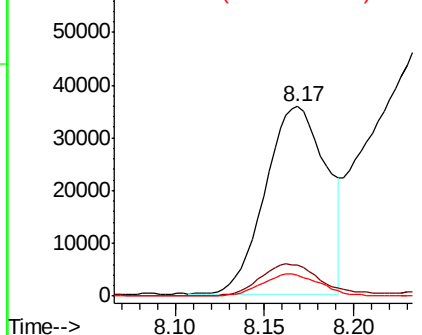


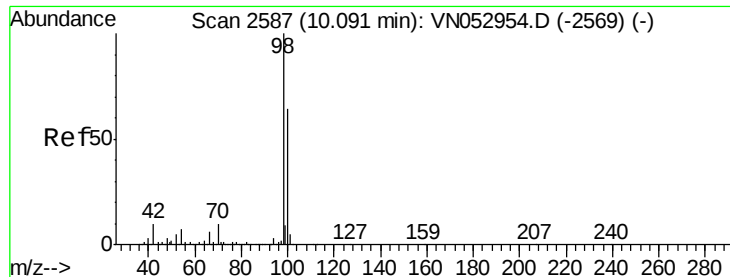
Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053016.D

Acq: 19 Dec 2018 17:30

Instrument :

MSVOA\_N

ClientSampleId :

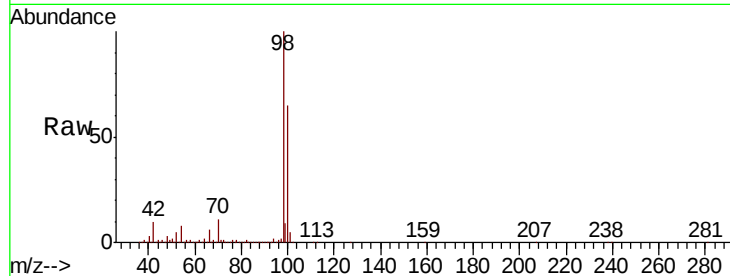
PB115821ZHE#06

Tot Ion: 98 Resp: 2860518

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052954.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN052954.D (-2569) (-)

10.09

1500000

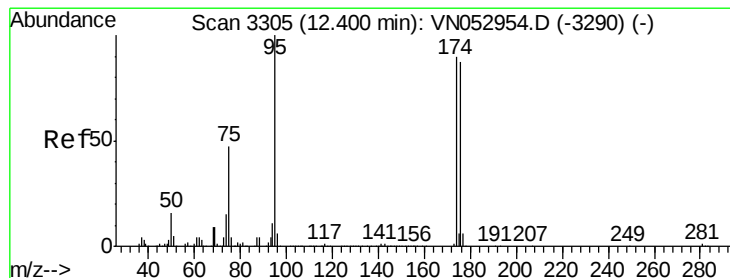
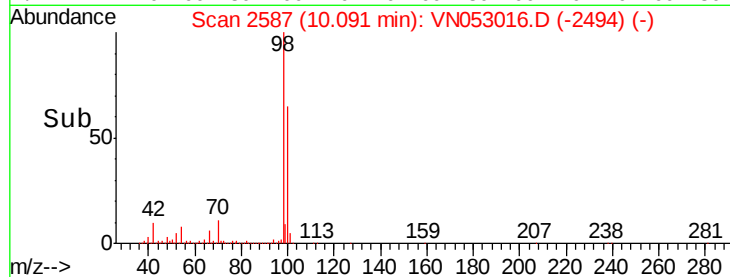
1000000

500000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053016.D

Acq: 19 Dec 2018 17:30

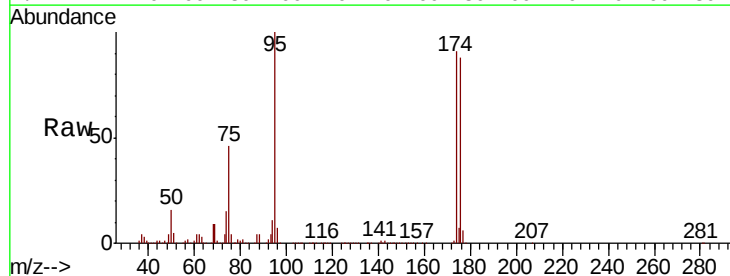
Tgt Ion: 95 Resp: 922700

Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.8

176 86.8 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

12.40

600000

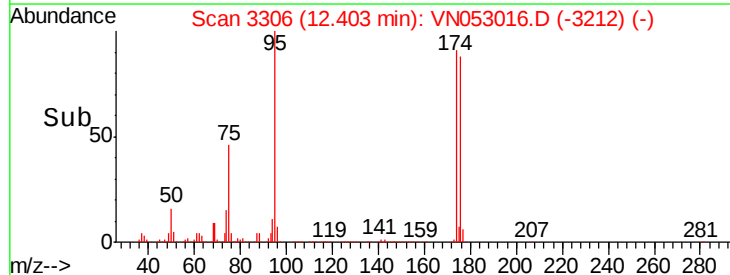
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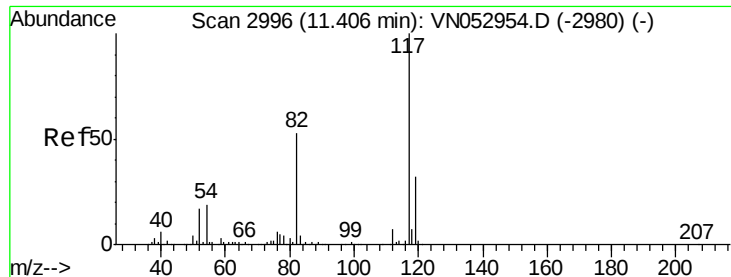
200000

0

Time-->

12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053016.D

Acq: 19 Dec 2018 17:30

Instrument :

MSVOA\_N

ClientSampleId :

PB115821ZHE#06

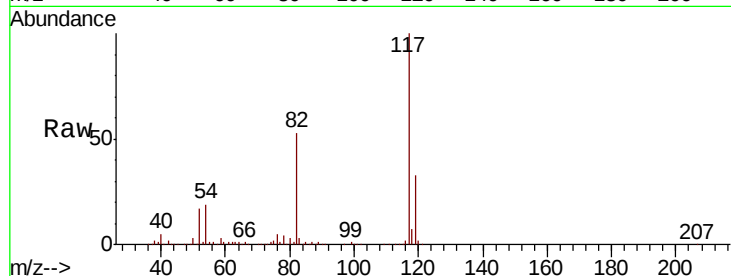
Tot Ion:117 Resp: 2075820

Ion Ratio Lower Upper

117 100

82 53.4 42.8 64.2

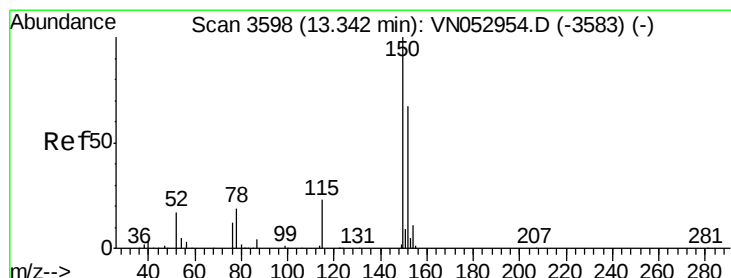
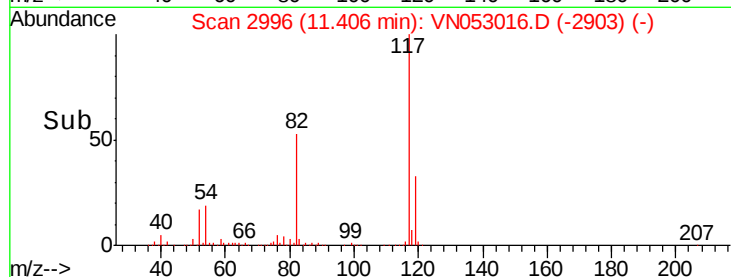
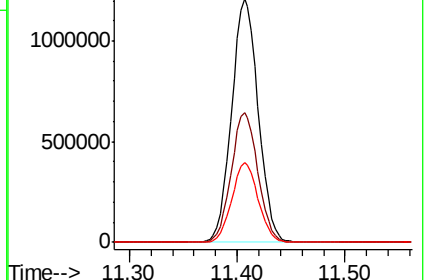
119 32.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053016.D

Acq: 19 Dec 2018 17:30

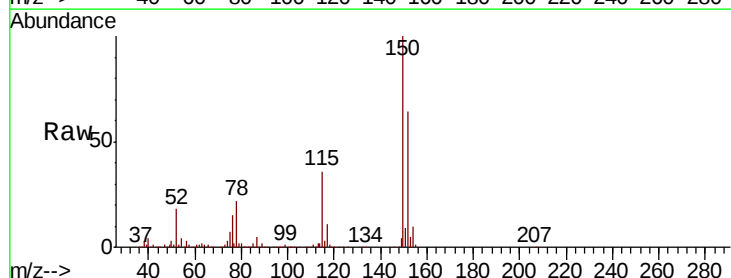
Tgt Ion:152 Resp: 815948

Ion Ratio Lower Upper

152 100

115 56.0 28.3 85.0

150 156.5 0.0 347.8



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

