

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\  
 Data File : VN049350.D  
 Acq On : 18 Jun 2018 18:13  
 Operator : MD\SY  
 Sample : PB110313ZHE#15  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110313ZHE#15

Quant Time: Jun 19 03:27:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

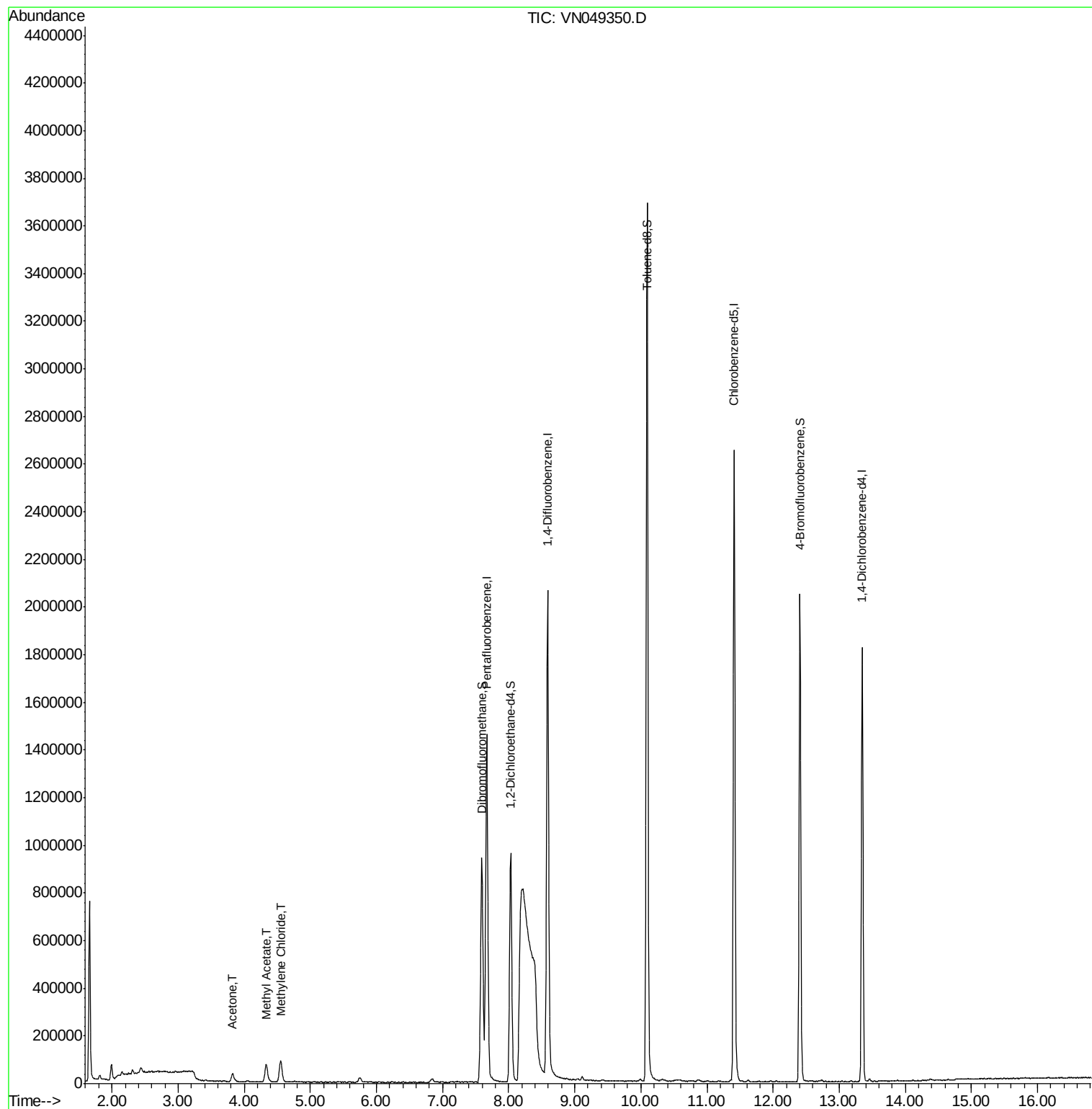
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1232036  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1980206  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1627651  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 522403   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 831625   | 50.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.78% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 728998   | 45.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.00%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2664150  | 43.67  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.34%  |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 714413   | 35.42  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 70.84%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 59626    | 15.028 | ug/l #  | 88       |
| 18) Methyl Acetate          | 4.33  | 43   | 148722   | 12.293 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.55  | 84   | 68350    | 4.125  | ug/l    | 89       |

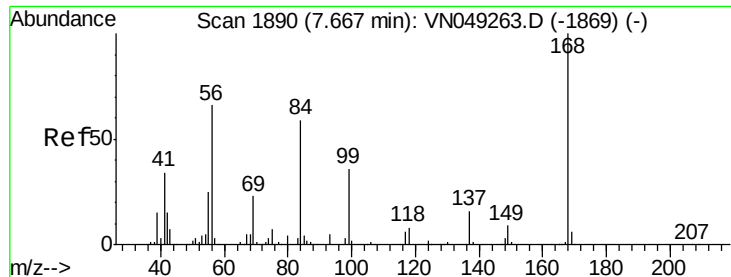
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049350.D

Acq: 18 Jun 2018 18:13

Instrument :

MSVOA\_N

ClientSampleId :

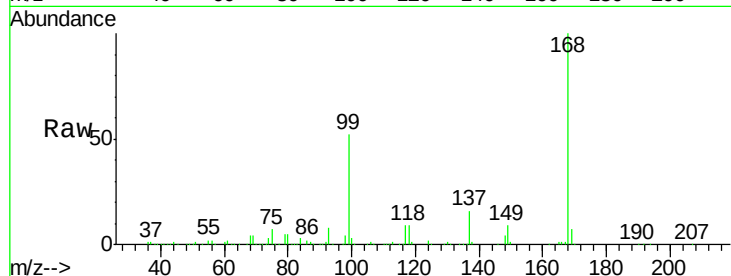
PB110313ZHE#15

Tot Ion:168 Resp: 1232036

Ion Ratio Lower Upper

168 100

99 52.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049350.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049350.D (-1797) (-)

7.67

600000

500000

400000

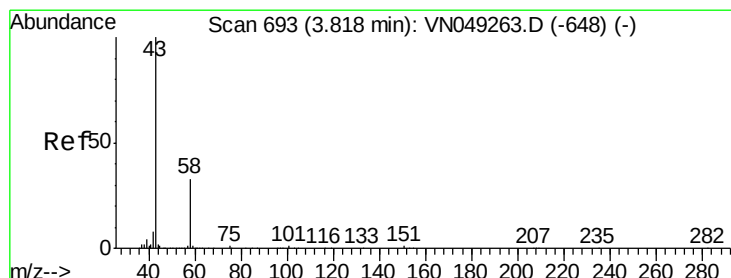
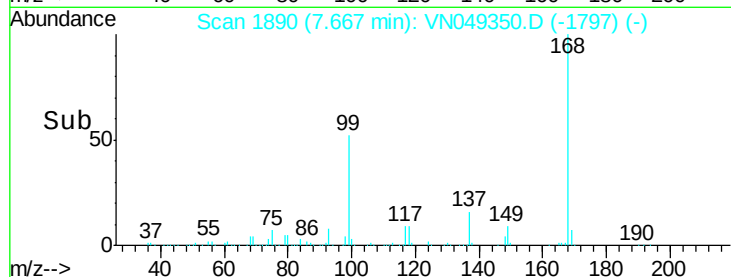
300000

200000

100000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#16

Acetone

Concen: 15.028 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049350.D

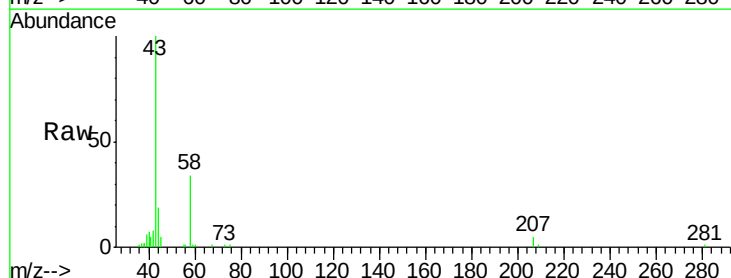
Acq: 18 Jun 2018 18:13

Tgt Ion: 43 Resp: 59626

Ion Ratio Lower Upper

43 100

58 34.4 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN049350.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN049350.D (-600) (-)

3.82

25000

20000

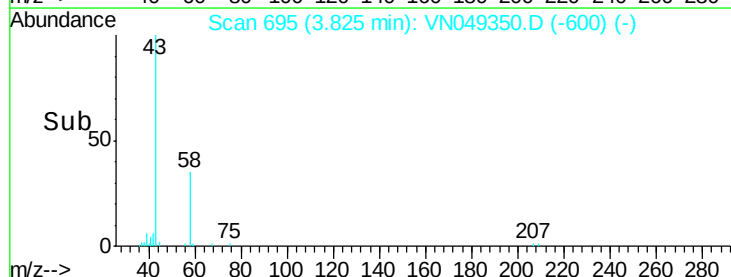
15000

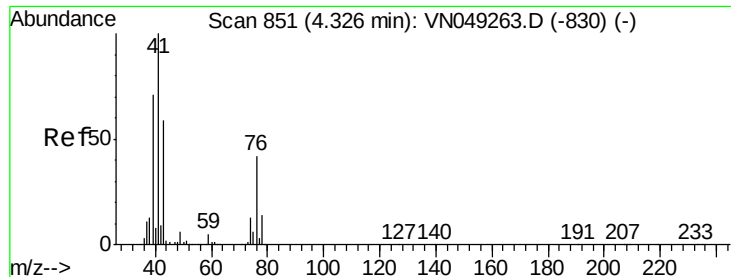
10000

5000

0

Time--> 3.70 3.80 3.90

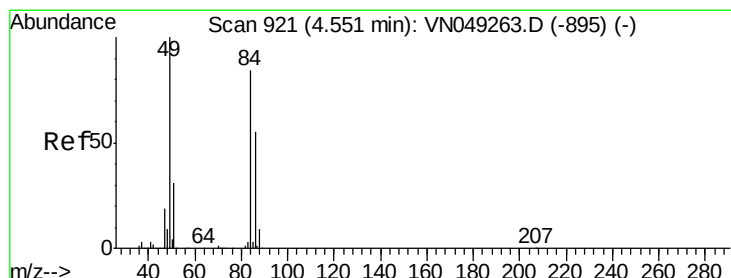
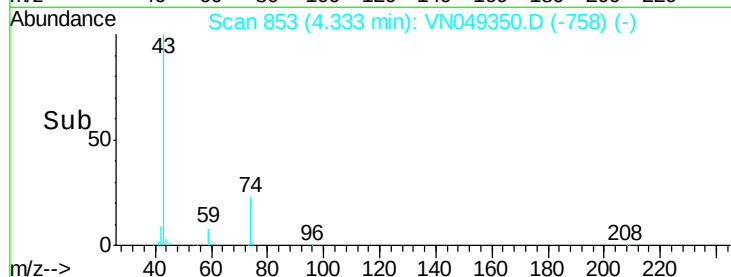
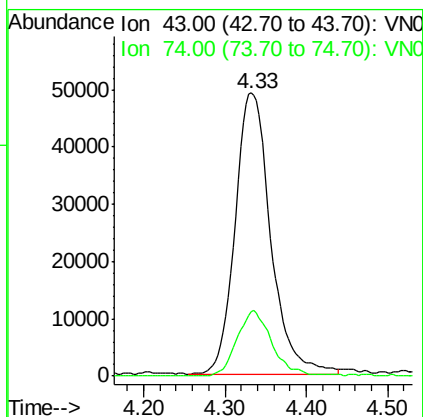
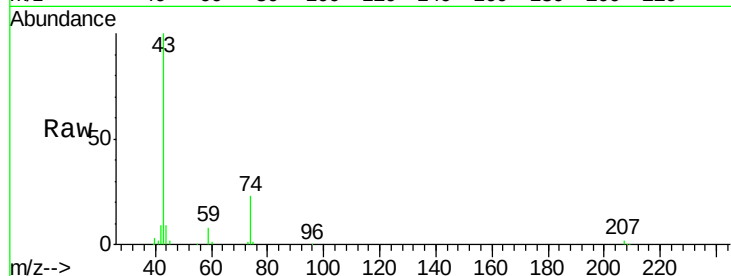




#18  
Methvl Acetate  
Concen: 12.293 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VN049350.D  
Acq: 18 Jun 2018 18:13

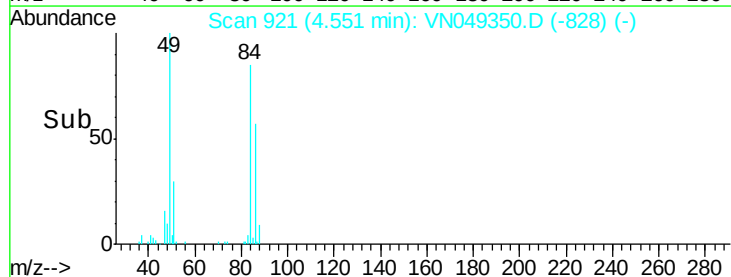
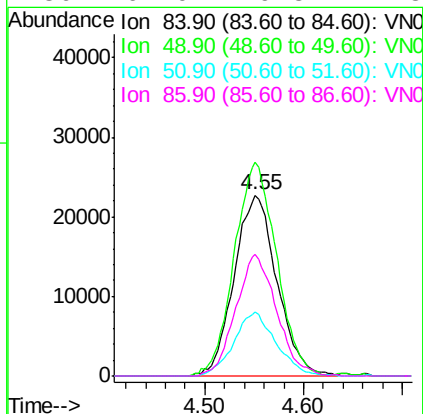
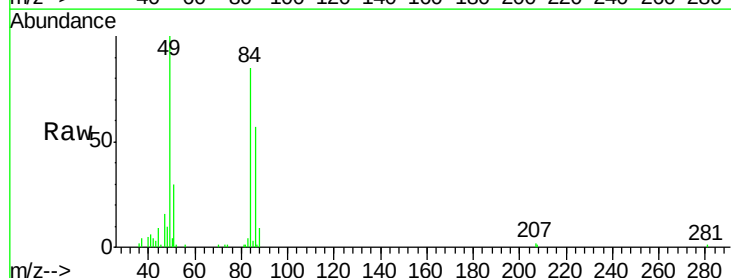
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110313ZHE#15

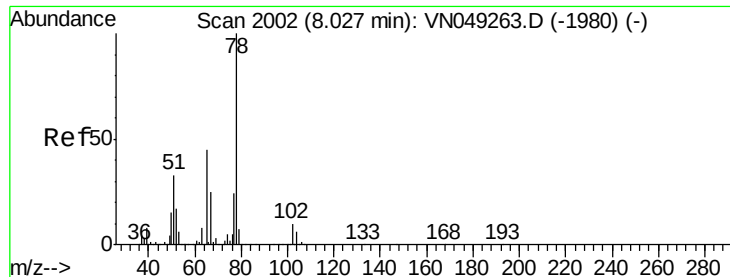
Tot Ion: 43 Resp: 148722  
Ion Ratio Lower Upper  
43 100  
74 22.7 17.4 26.0



#20  
Methylene Chloride  
Concen: 4.125 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: VN049350.D  
Acq: 18 Jun 2018 18:13

Tgt Ion: 84 Resp: 68350  
Ion Ratio Lower Upper  
84 100  
49 118.0 106.9 160.3  
51 35.4 32.7 49.1  
86 67.0 49.8 74.8

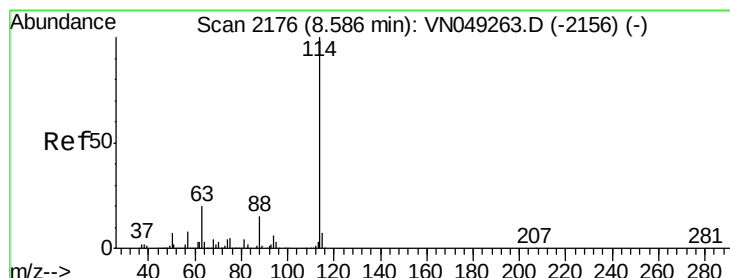
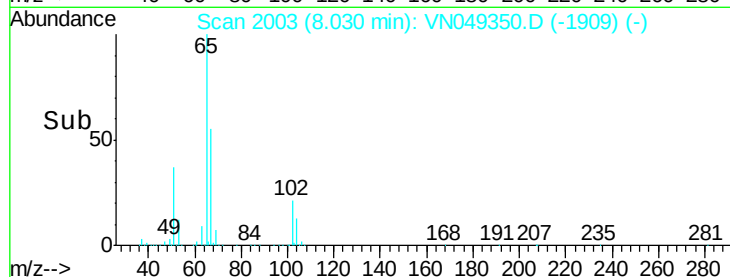
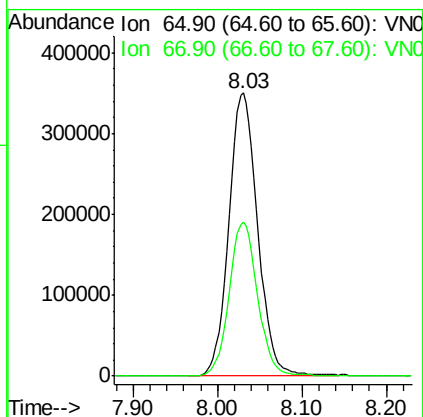
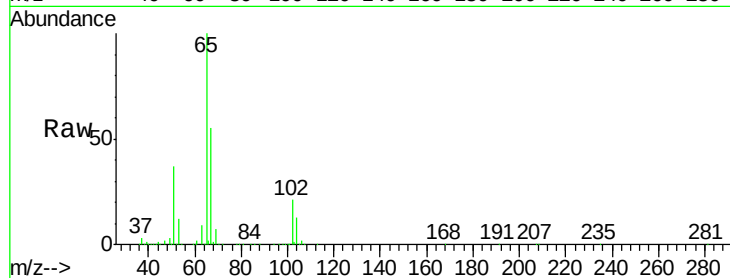




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.892 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049350.D  
 Acq: 18 Jun 2018 18:13

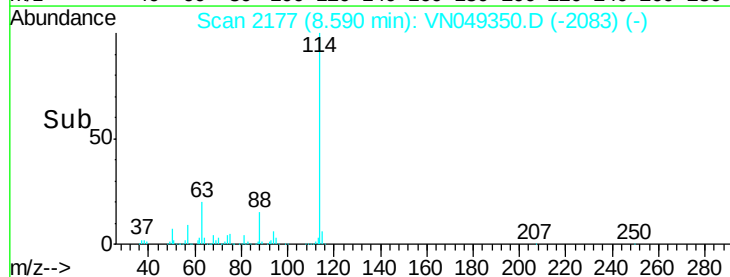
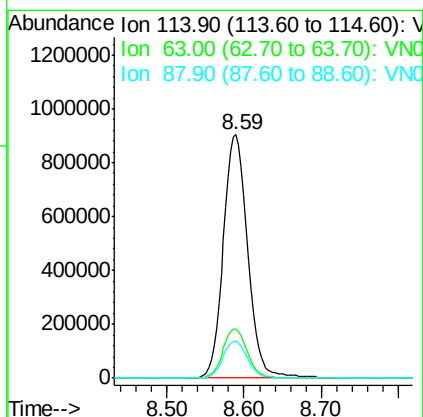
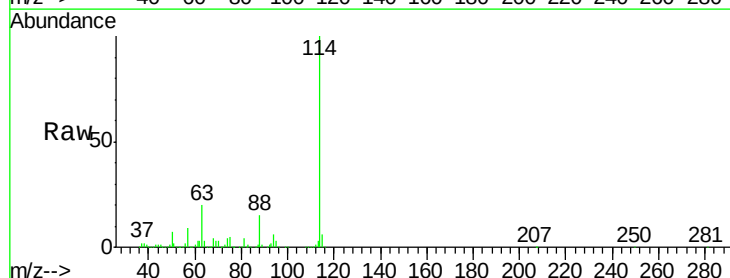
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110313ZHE#15

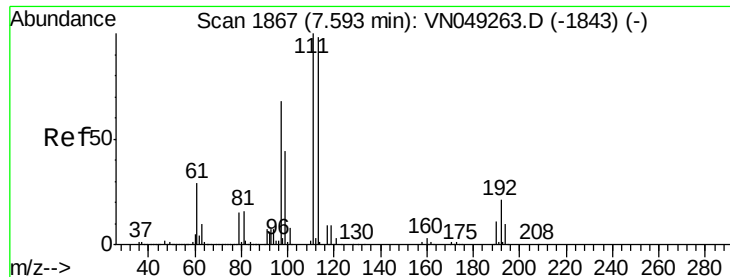
Tot Ion: 65 Resp: 831625  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN049350.D  
 Acq: 18 Jun 2018 18:13

Tgt Ion: 114 Resp: 1980206  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 44.4  
 88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.503 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049350.D

Acq: 18 Jun 2018 18:13

Instrument :

MSVOA\_N

ClientSampleId :

PB110313ZHE#15

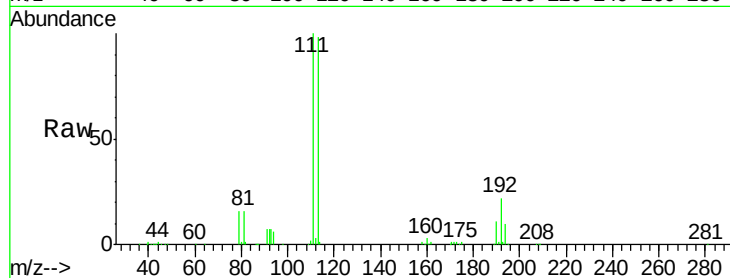
Tot Ion:113 Resp: 728998

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

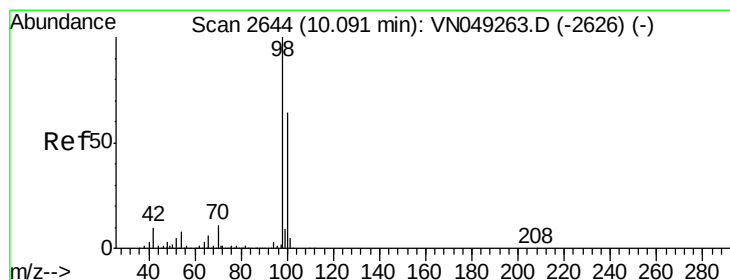
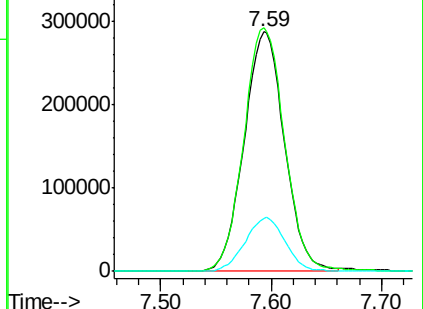
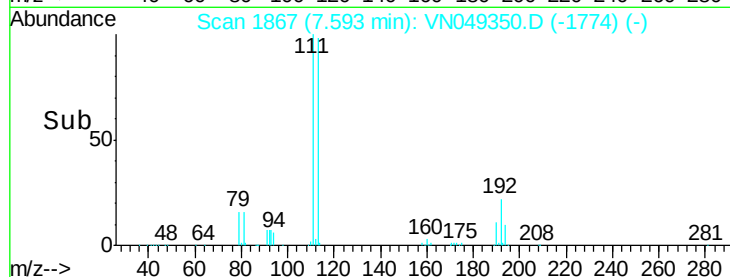
192 22.5 15.0 22.6



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



#50

Toluene-d8

Concen: 43.674 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049350.D

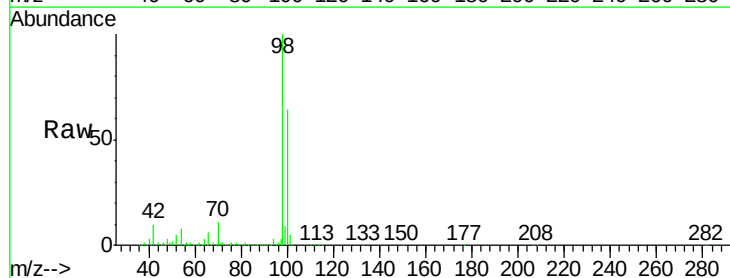
Acq: 18 Jun 2018 18:13

Tgt Ion: 98 Resp: 2664150

Ion Ratio Lower Upper

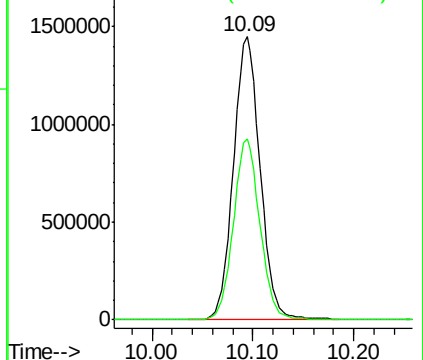
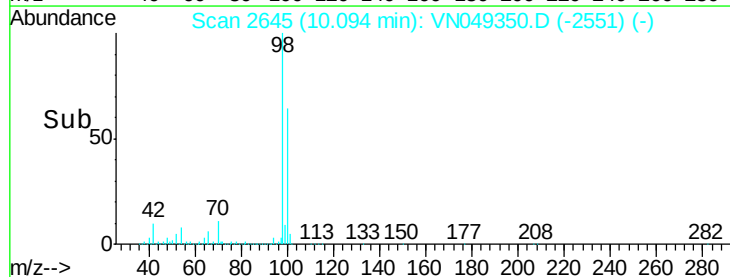
98 100

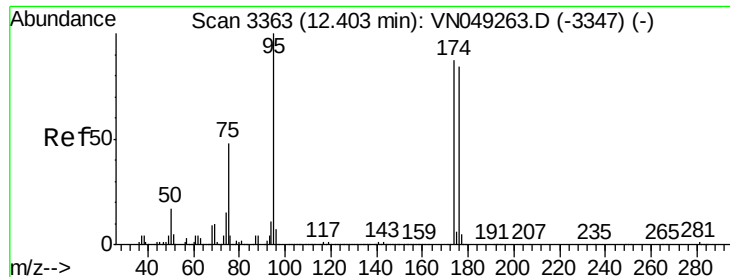
100 63.5 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 35.419 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049350.D

Acq: 18 Jun 2018 18:13

Instrument :

MSVOA\_N

ClientSampleId :

PB110313ZHE#15

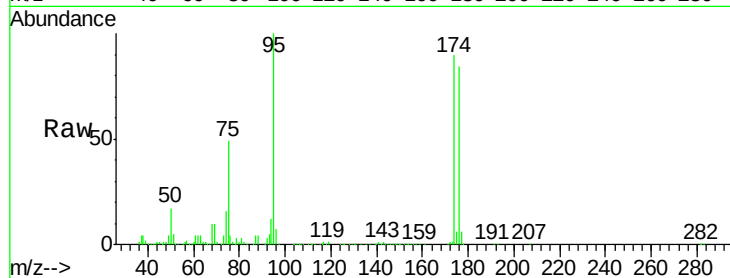
Tot Ion: 95 Resp: 714413

Ion Ratio Lower Upper

95 100

174 89.2 0.0 165.6

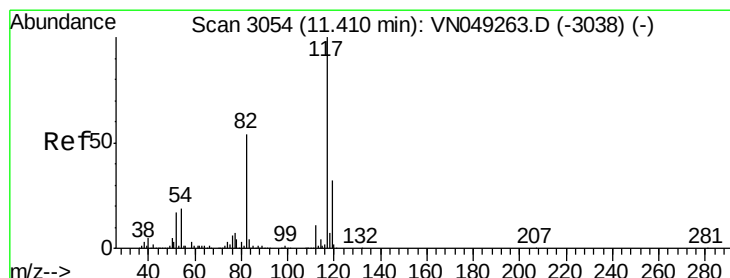
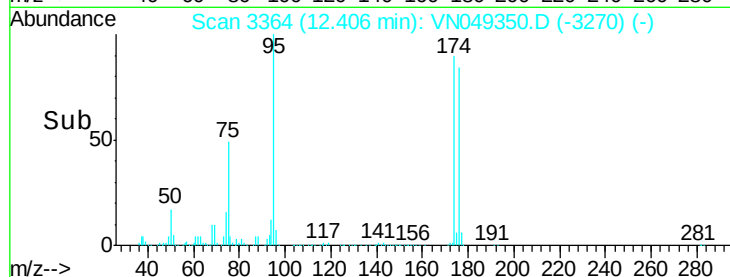
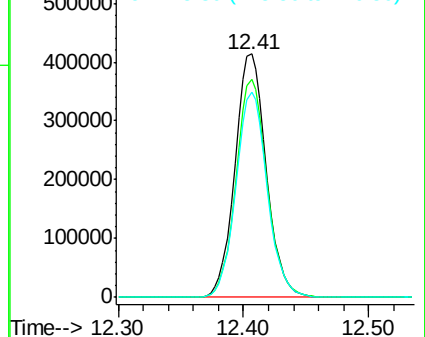
176 84.5 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049350.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049350.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049350.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049350.D

Acq: 18 Jun 2018 18:13

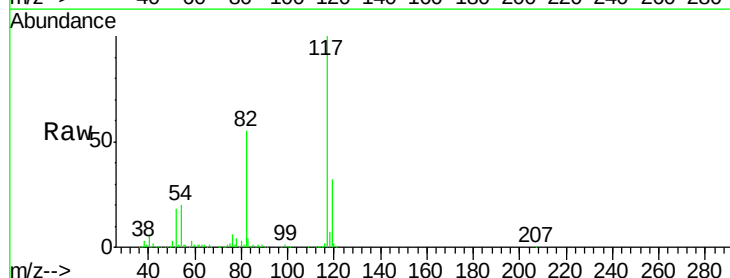
Tgt Ion: 117 Resp: 1627651

Ion Ratio Lower Upper

117 100

82 54.9 45.9 68.9

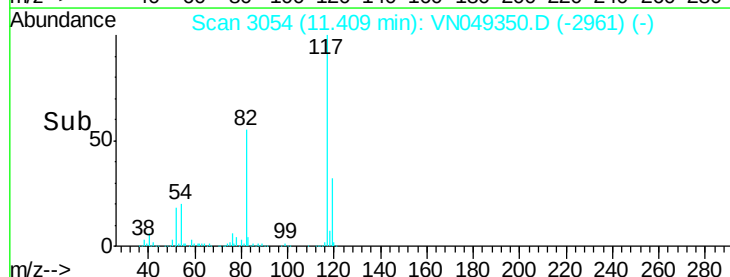
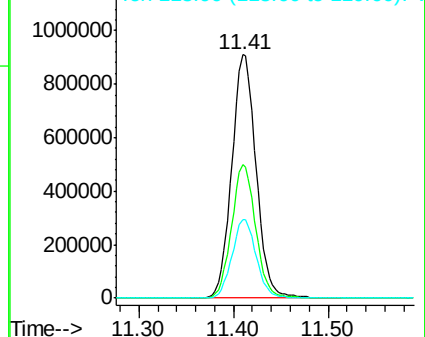
119 32.4 25.5 38.3

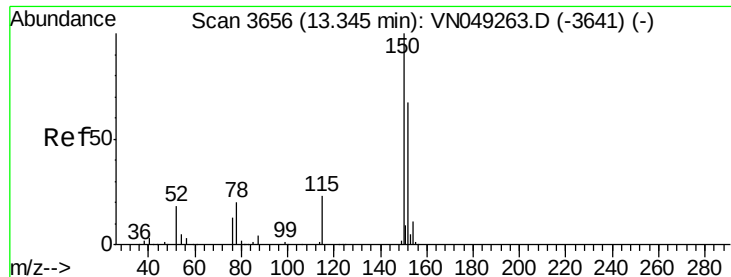


Abundance Ion 116.90 (116.60 to 117.60): VN049350.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049350.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049350.D (-2961) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049350.D

Acq: 18 Jun 2018 18:13

Instrument :

MSVOA\_N

ClientSampleId :

PB110313ZHE#15

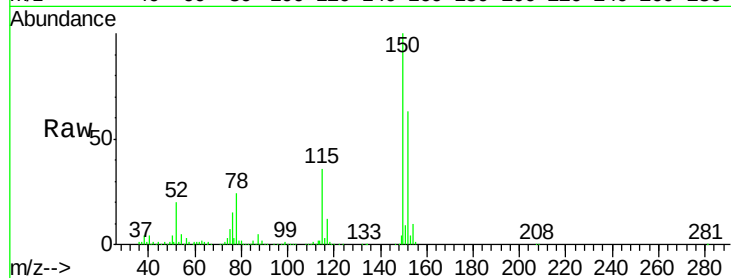
Tot Ion:152 Resp: 522403

Ion Ratio Lower Upper

152 100

115 58.0 28.7 86.1

150 157.1 0.0 351.0



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

