

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\  
 Data File : VN049393.D  
 Acq On : 19 Jun 2018 18:38  
 Operator : MD\SY  
 Sample : PB110363ZHE#05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110363ZHE#05

Quant Time: Jun 20 05:09:38 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

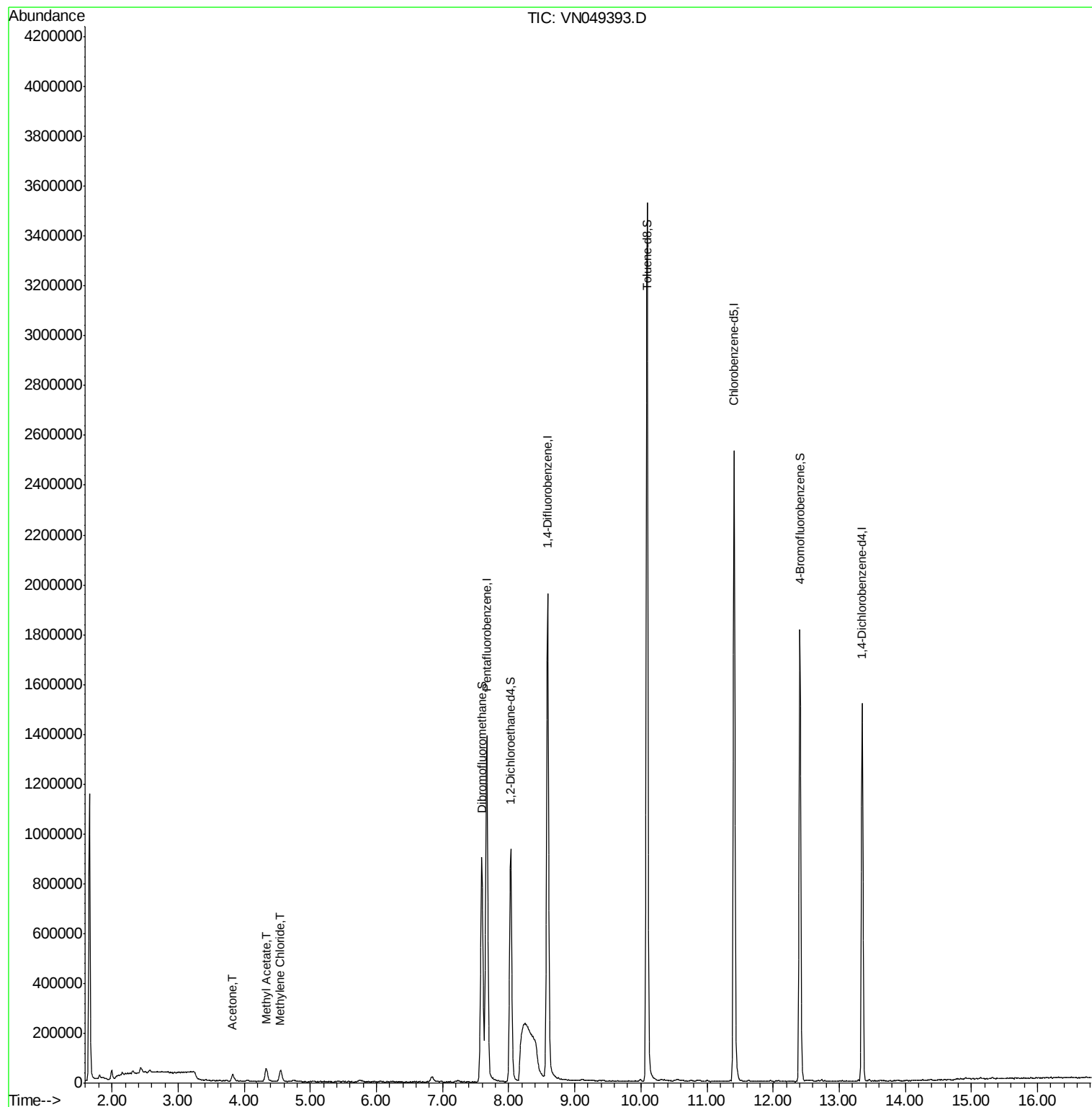
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1182551  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1892617  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1554149  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 450786   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 798403   | 50.90  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.80% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 693113   | 45.27  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.54%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2540652  | 43.58  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.16%  |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 658656   | 34.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 68.34%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.83  | 43   | 47266    | 12.411 | ug/l    | 98       |
| 18) Methyl Acetate          | 4.33  | 43   | 101632   | 8.752  | ug/l    | 96       |
| 20) Methylene Chloride      | 4.55  | 84   | 33916    | 2.132  | ug/l #  | 83       |

(#) = 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# 1891

Delta R.T. 0.00 min

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Acq: 19 Jun 2018 18:38

Instrument :

MSVOA\_N

ClientSampleId :

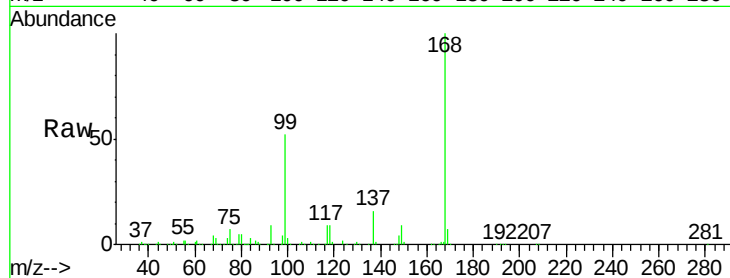
PB110363ZHE#05

Tot Ion:168 Resp: 1182551

Ion Ratio Lower Upper

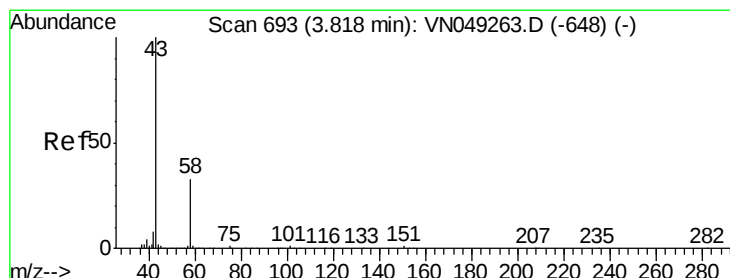
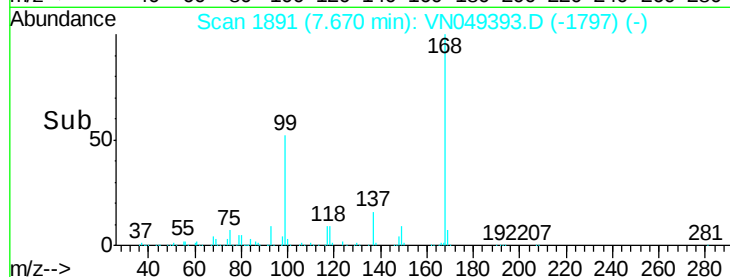
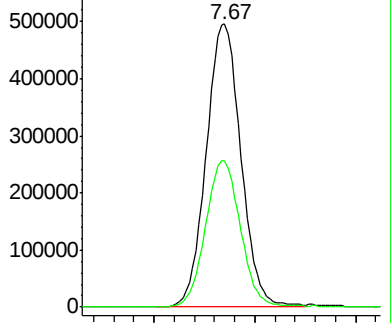
168 100

99 51.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 12.411 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049393.D

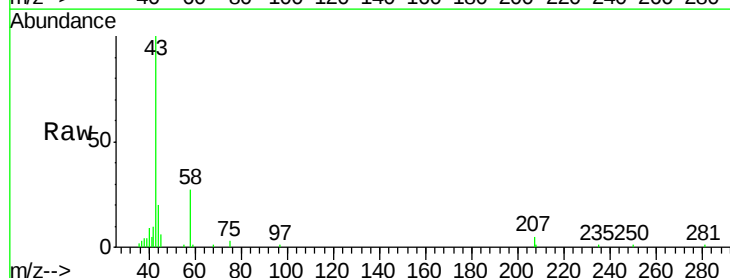
Acq: 19 Jun 2018 18:38

Tgt Ion: 43 Resp: 47266

Ion Ratio Lower Upper

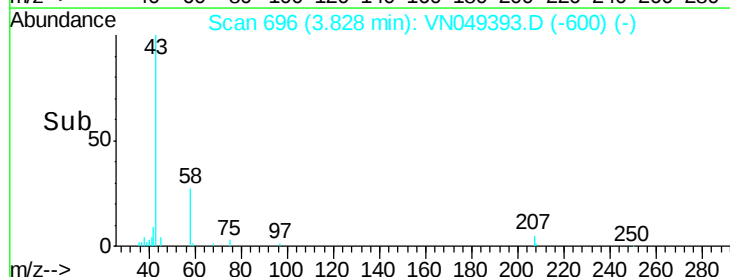
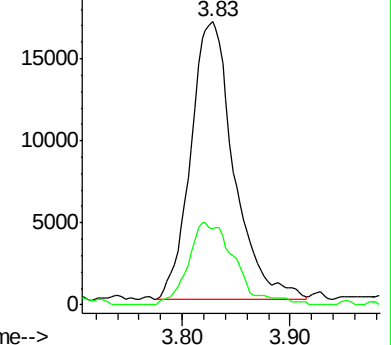
43 100

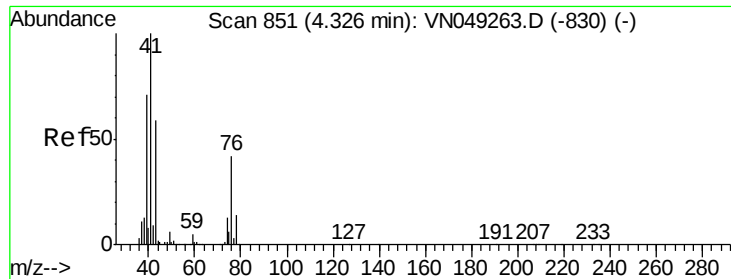
58 27.2 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

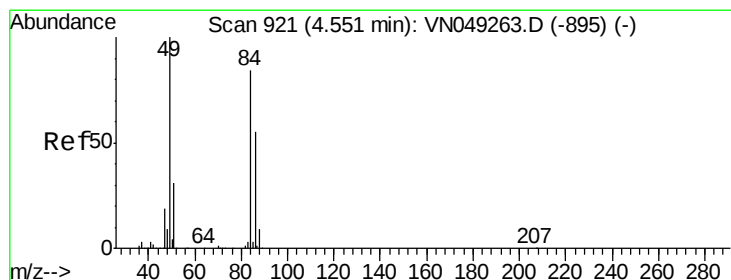
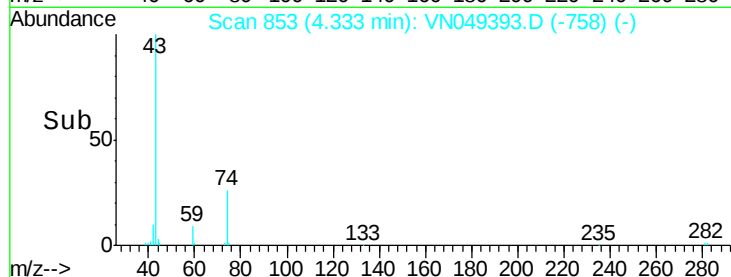
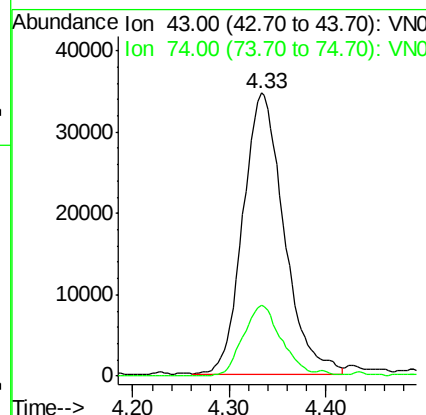
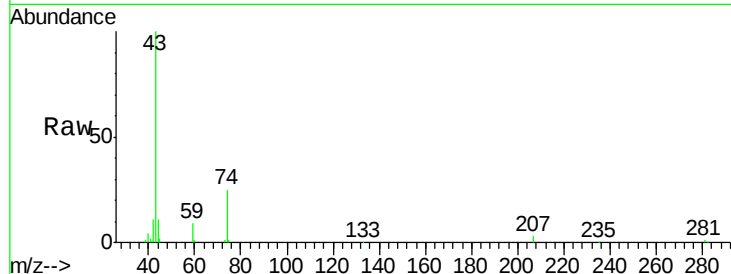




#18  
Methvl Acetate  
Concen: 8.752 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VN049393.D  
Acq: 19 Jun 2018 18:38

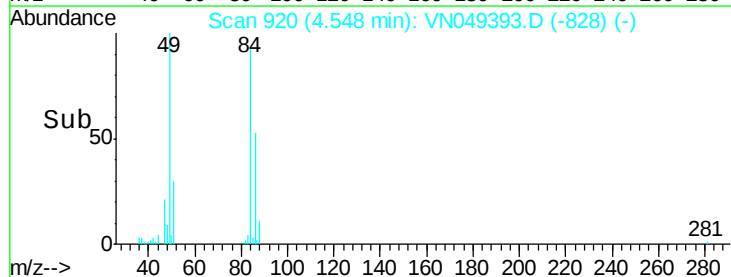
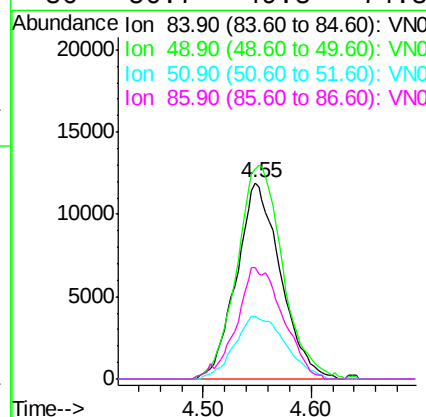
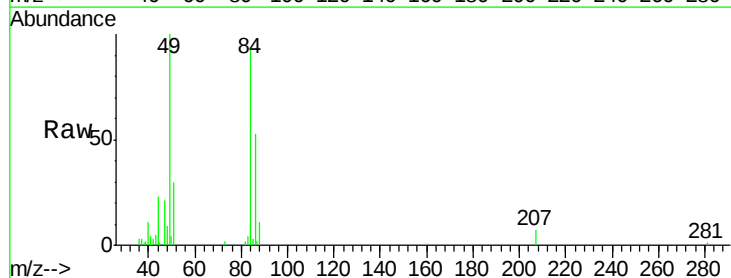
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110363ZHE#05

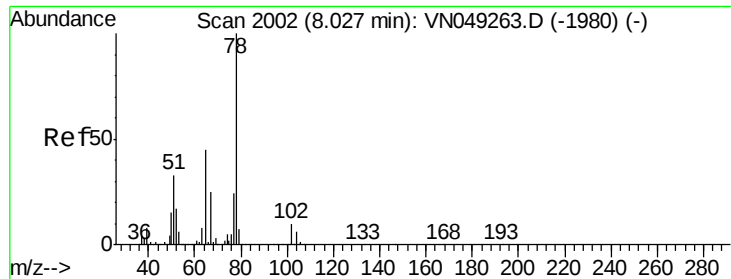
Tot Ion: 43 Resp: 101632  
Ion Ratio Lower Upper  
43 100  
74 23.5 17.4 26.0



#20  
Methylene Chloride  
Concen: 2.132 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN049393.D  
Acq: 19 Jun 2018 18:38

Tgt Ion: 84 Resp: 33916  
Ion Ratio Lower Upper  
84 100  
49 107.3 106.9 160.3  
51 32.0 32.7 49.1#  
86 56.7 49.8 74.8





#33

1,2-Dichloroethane-d4

Concen: 50.904 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA\_N

ClientSampleId :

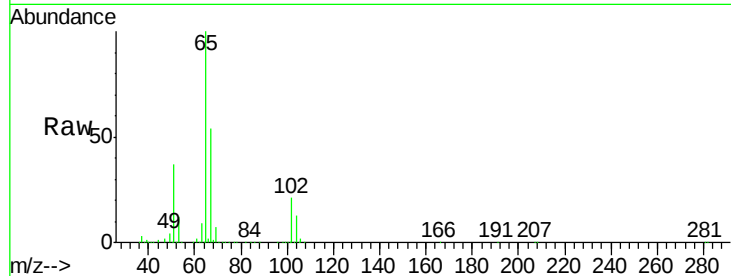
PB110363ZHE#05

Tot Ion: 65 Resp: 798403

Ion Ratio Lower Upper

65 100

67 53.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049393.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049393.D (-1909) (-)

8.03

400000

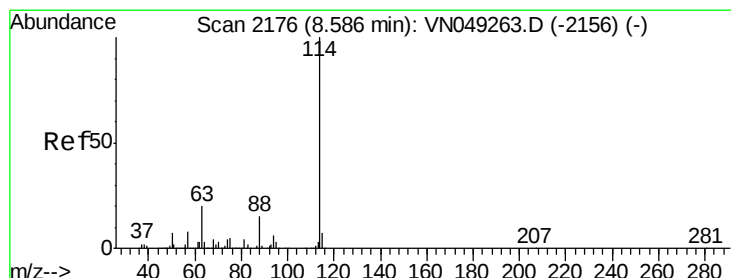
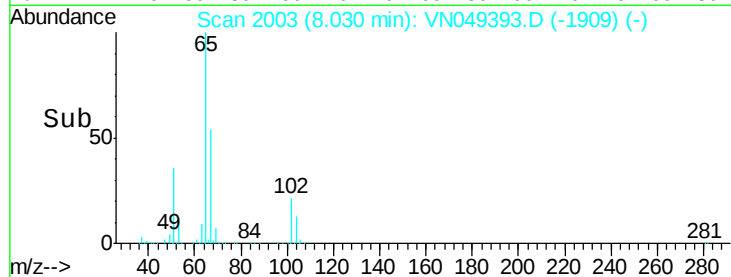
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Tgt Ion: 114 Resp: 1892617

Ion Ratio Lower Upper

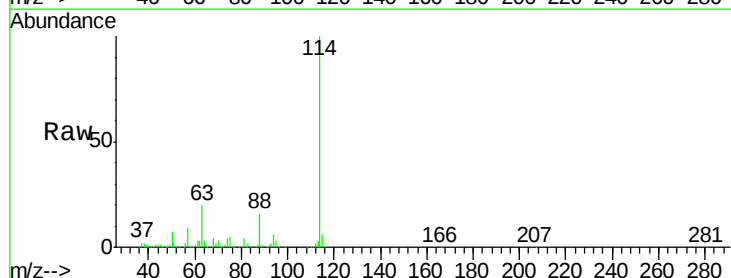
114 100

63 20.0

0.0 44.4

88 15.8

0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049393.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049393.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049393.D (-2083) (-)

8.59

1200000

1000000

800000

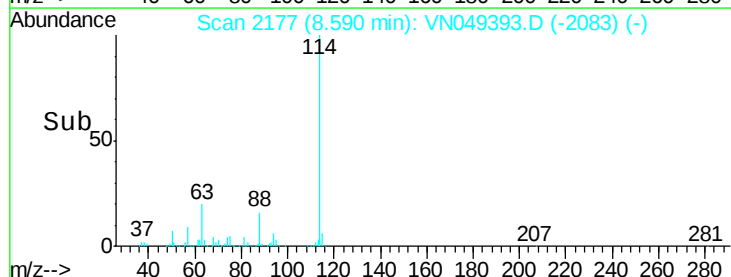
600000

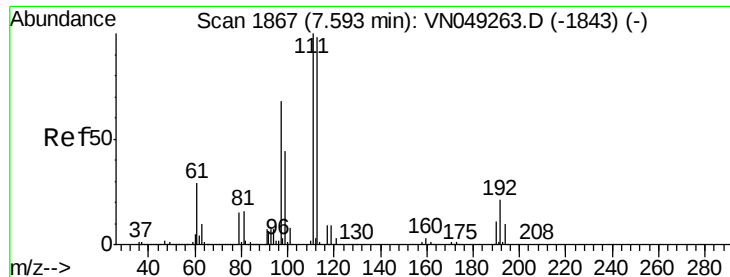
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 45.266 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA\_N

ClientSampleId :

PB110363ZHE#05

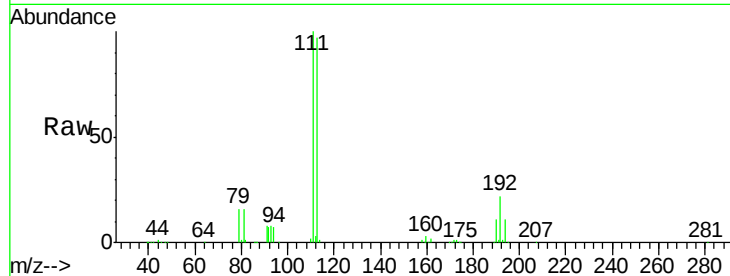
Tot Ion:113 Resp: 693113

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

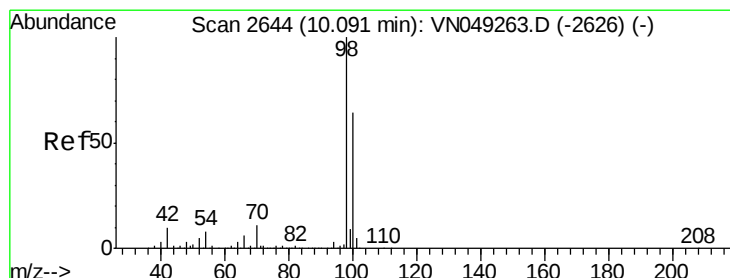
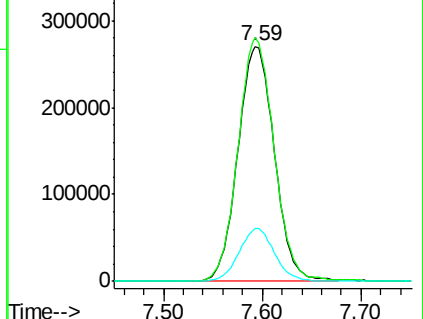
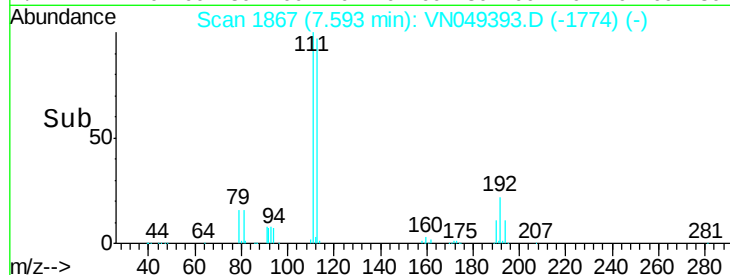
192 21.8 15.0 22.6



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: 43.577 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049393.D

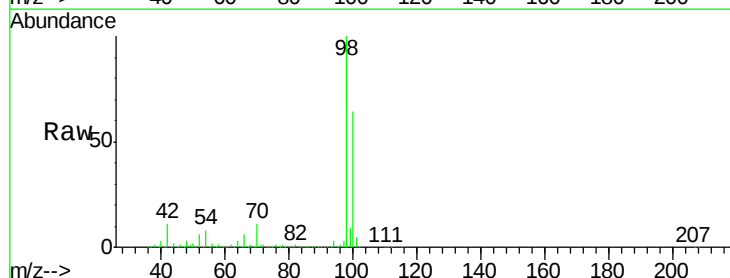
Acq: 19 Jun 2018 18:38

Tgt Ion: 98 Resp: 2540652

Ion Ratio Lower Upper

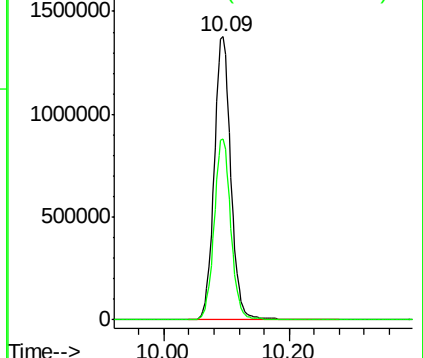
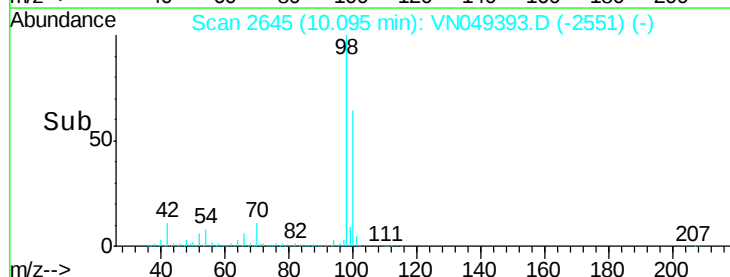
98 100

100 63.7 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

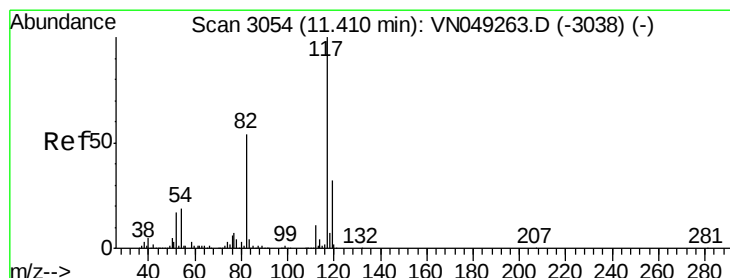
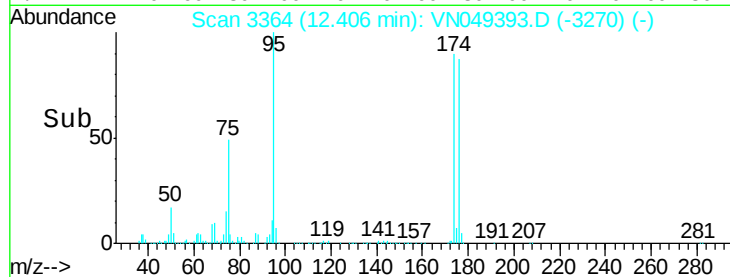
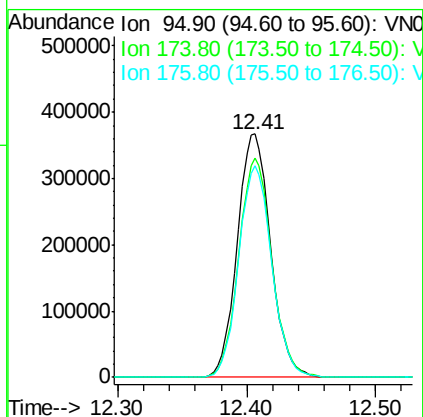
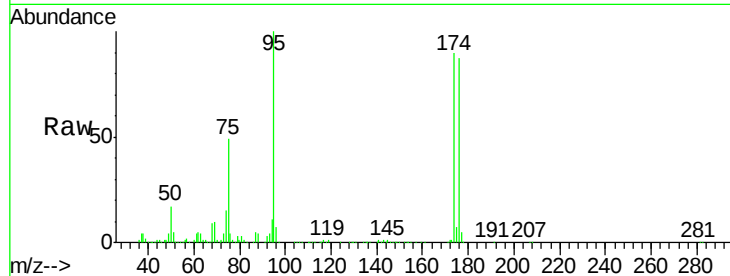




#62  
4-Bromofluorobenzene  
Concen: 34.166 ug/l  
RT: 12.41 min Scan# 3364  
Delta R.T. 0.00 min  
Lab File: VN049393.D  
Acq: 19 Jun 2018 18:38

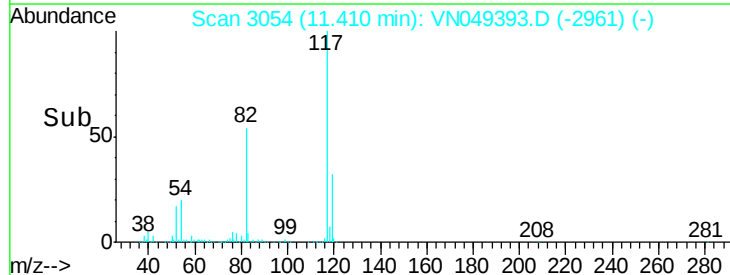
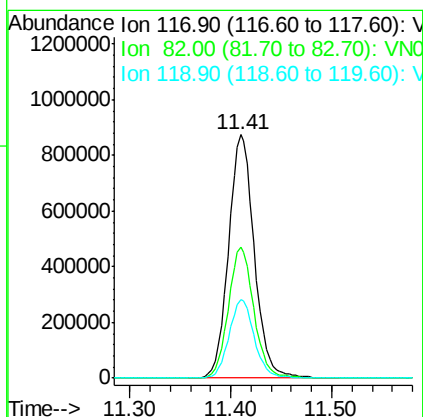
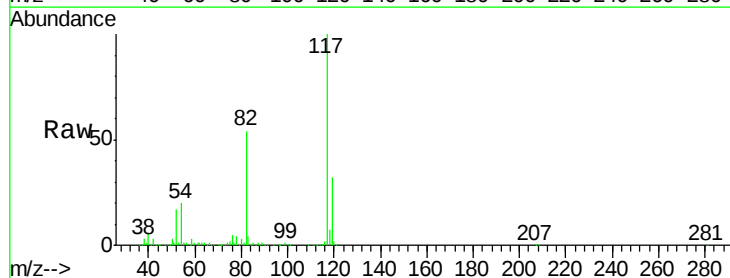
Instrument :  
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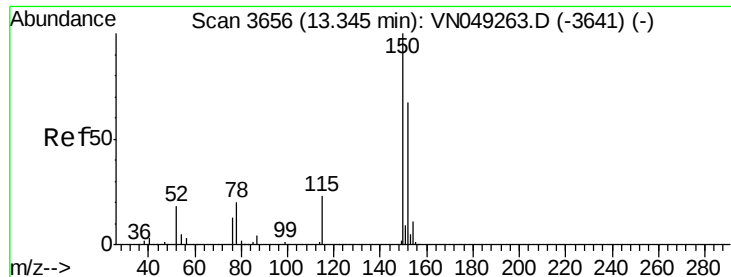
Tot Ion: 95 Resp: 658656  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 165.6  
176 86.3 0.0 157.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049393.D  
Acq: 19 Jun 2018 18:38

Tgt Ion: 117 Resp: 1554149  
Ion Ratio Lower Upper  
117 100  
82 53.8 45.9 68.9  
119 32.2 25.5 38.3



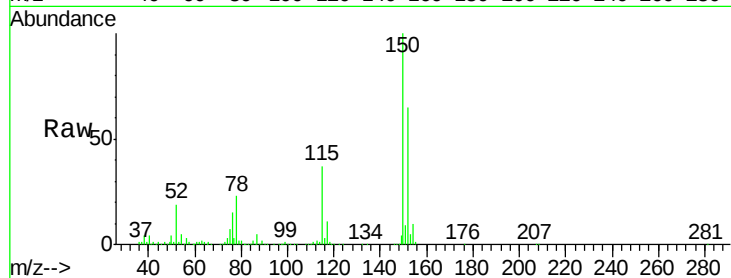


#72

1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.35 min Scan# 3657  
 Delta R.T. 0.00 min  
 Lab File: VN049393.D  
 Acq: 19 Jun 2018 18:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110363ZHE#05

Tot Ion:152 Resp: 450786  
 Ion Ratio Lower Upper  
 152 100  
 115 56.7 28.7 86.1  
 150 157.3 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

