

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN092618\  
 Data File : VN051523.D  
 Acq On : 26 Sep 2018 8:42  
 Operator : MD\SY  
 Sample : PB113167ZHE#12  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB113167ZHE#12

Quant Time: Sep 26 14:24:21 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

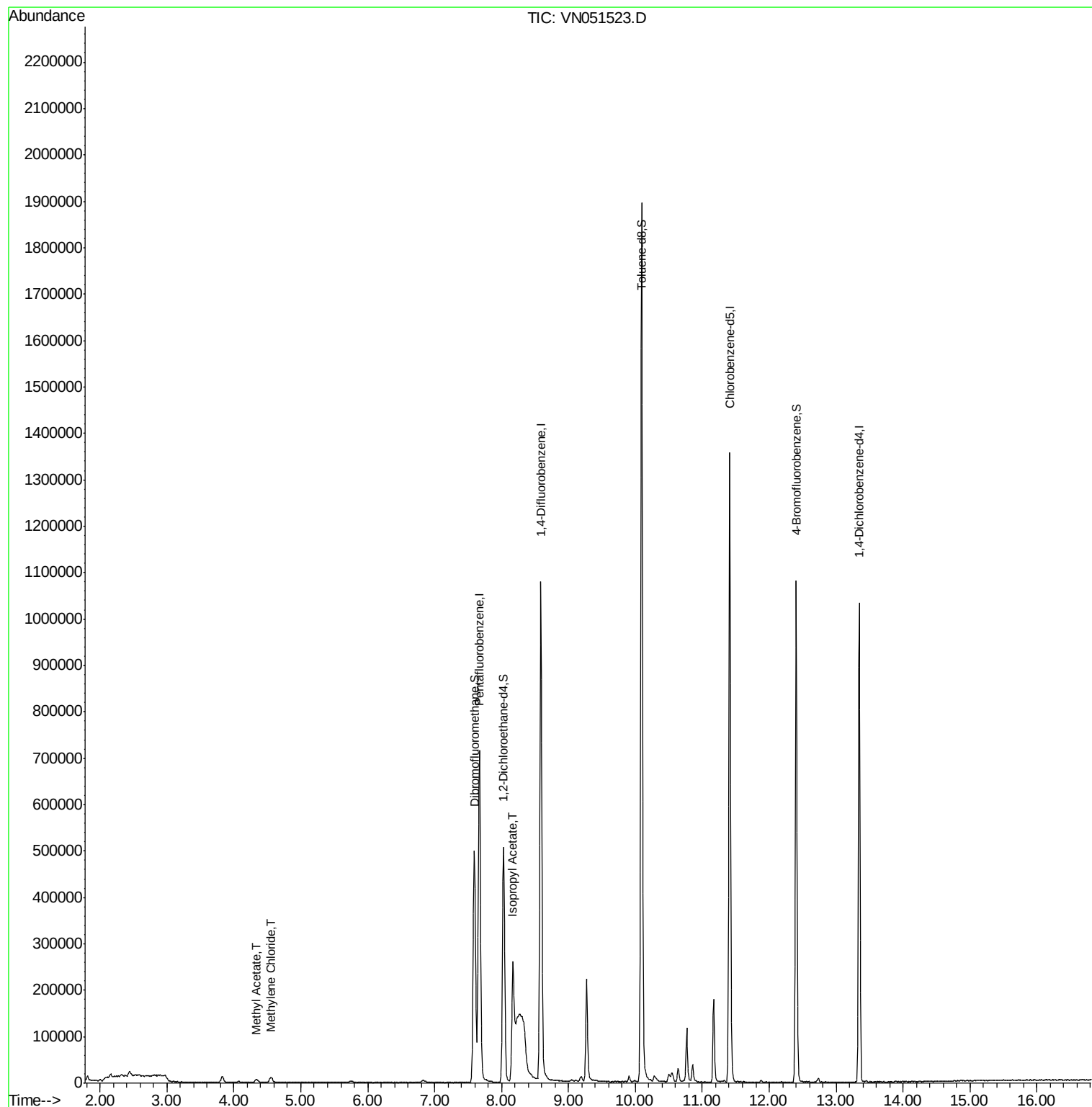
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 618400   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 992412   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 815822   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 280301   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 437714   | 56.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.00% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 380031   | 47.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.78%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1370152  | 45.85  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.70%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 362922   | 37.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 75.08%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 18) Methyl Acetate          | 4.33  | 43   | 15306    | 2.594  | ug/l #  | 77       |
| 20) Methylene Chloride      | 4.56  | 84   | 8324     | 1.086  | ug/l    | 90       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 352337   | 29.488 | ug/l #  | 89       |

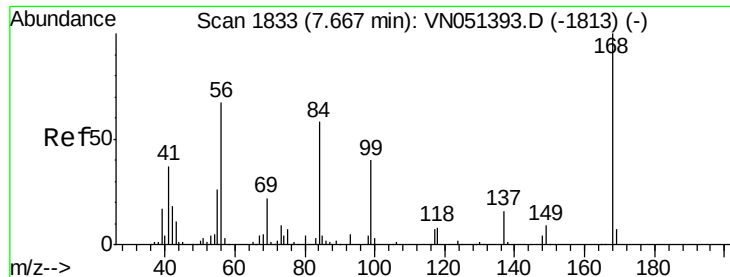
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN092618\  
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Quant Time: Sep 26 14:24:21 2018  
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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: VN051523.D

Acq: 26 Sep 2018 8:42

Instrument :

MSVOA\_N

ClientSampleId :

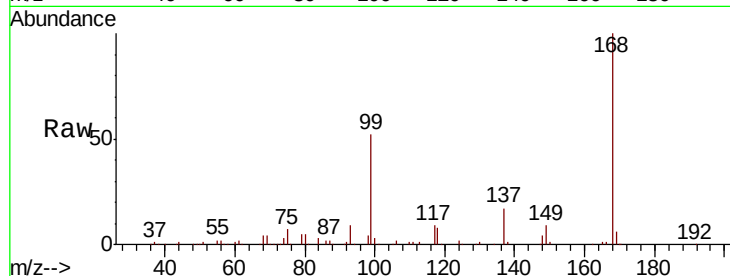
PB113167ZHE#12

Tgt Ion:168 Resp: 618400

Ion Ratio Lower Upper

168 100

99 51.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

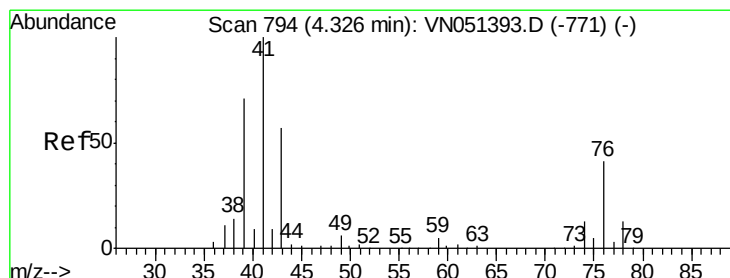
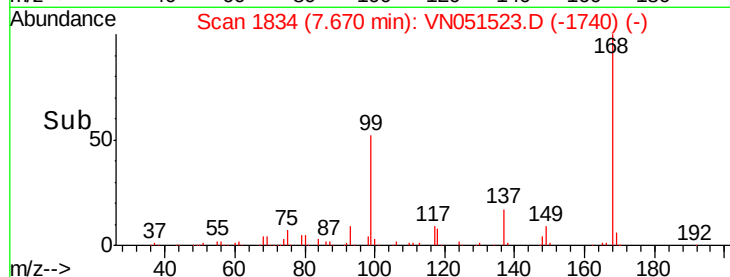
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 2.594 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051523.D

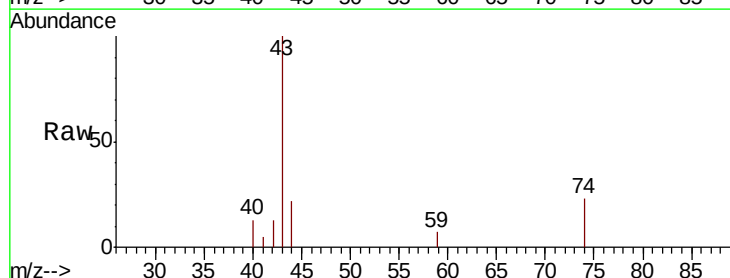
Acq: 26 Sep 2018 8:42

Tgt Ion: 43 Resp: 15306

Ion Ratio Lower Upper

43 100

74 12.1 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN051393.D (-771) (-)

4.33

5000

4000

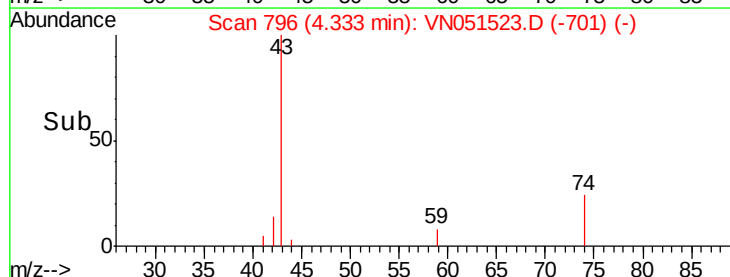
3000

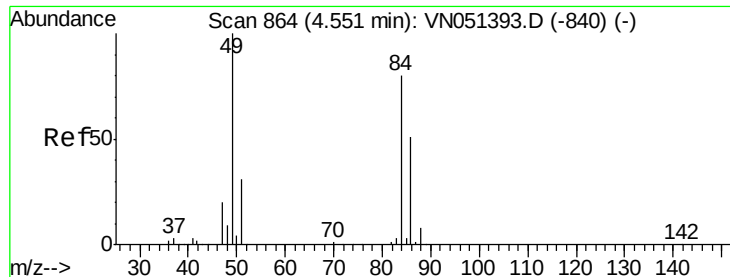
2000

1000

0

Time-->

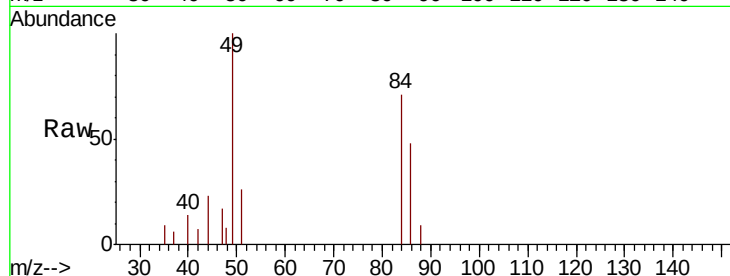




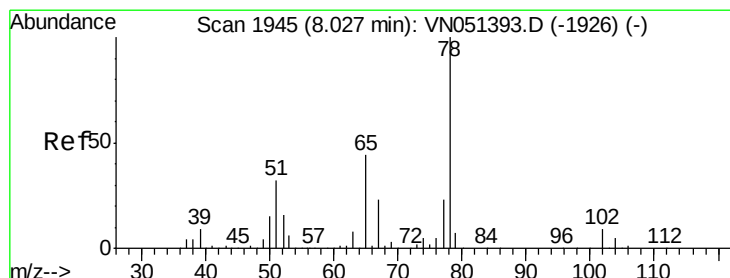
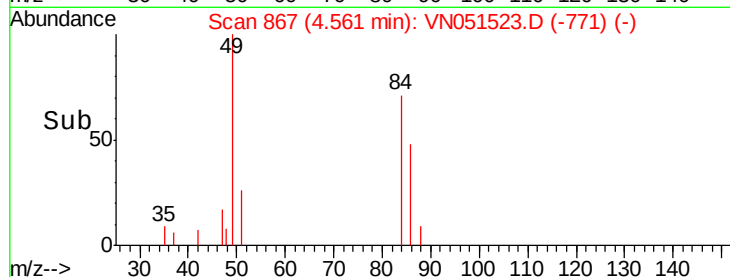
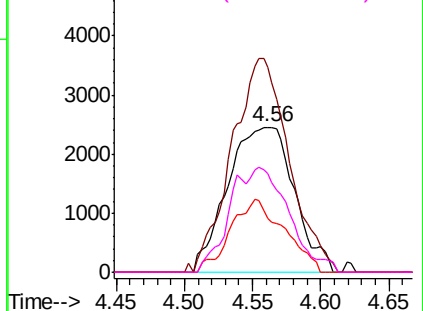
#20  
Methylene Chloride  
Concen: 1.086 ug/l  
RT: 4.56 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: VN051523.D  
Acq: 26 Sep 2018 8:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113167ZHE#12

Tgt Ion: 84 Resp: 8324  
Ion Ratio Lower Upper  
84 100  
49 141.4 99.9 149.9  
51 36.7 31.4 47.2  
86 67.4 50.9 76.3

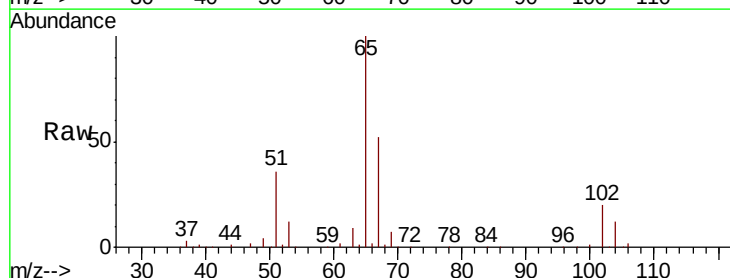


Abundance Ion 83.90 (83.60 to 84.60): VNC  
Ion 48.90 (48.60 to 49.60): VNC  
Ion 50.90 (50.60 to 51.60): VNC  
Ion 85.90 (85.60 to 86.60): VNC

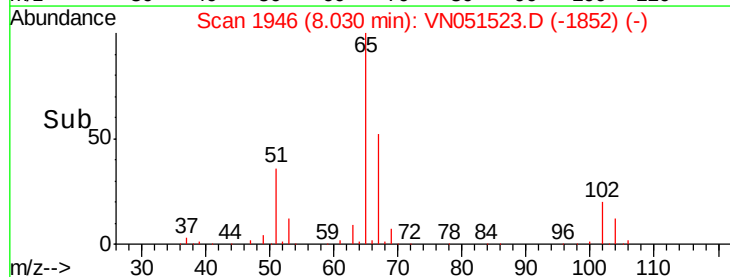
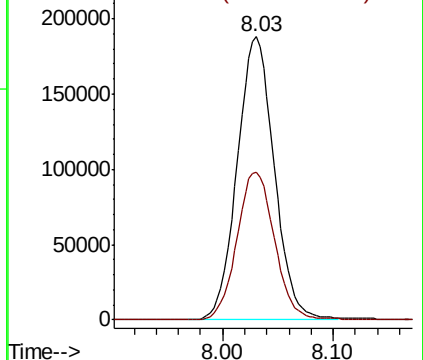


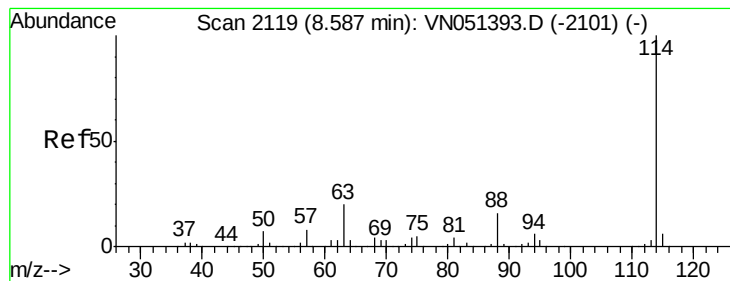
#33  
1,2-Dichloroethane-d4  
Concen: 56.504 ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN051523.D  
Acq: 26 Sep 2018 8:42

Tgt Ion: 65 Resp: 437714  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 107.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051523.D

Acq: 26 Sep 2018 8:42

Instrument :

MSVOA\_N

ClientSampleId :

PB113167ZHE#12

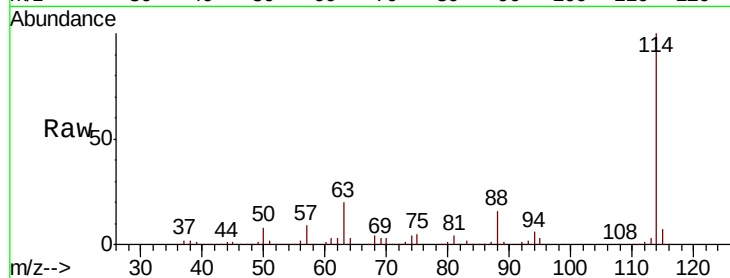
Tgt Ion:114 Resp: 992412

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

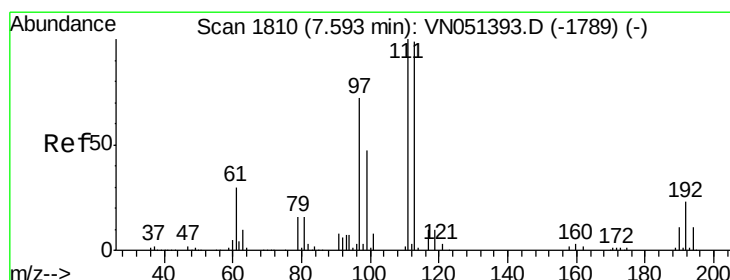
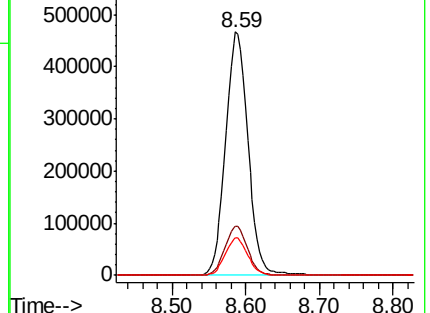
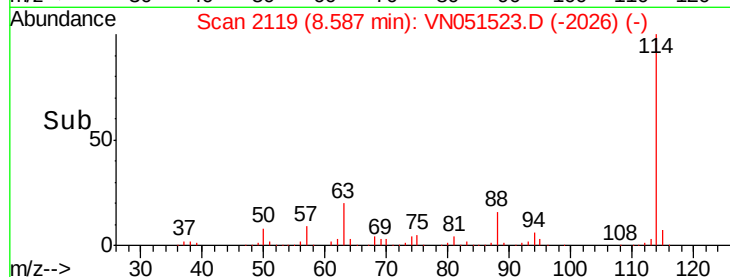
88 15.6 0.0 31.4



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: 47.888 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051523.D

Acq: 26 Sep 2018 8:42

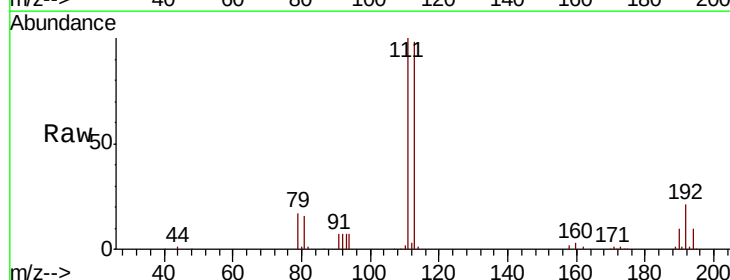
Tgt Ion:113 Resp: 380031

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

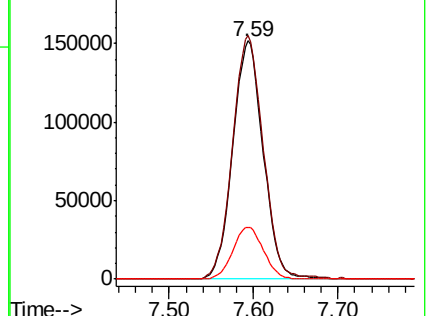
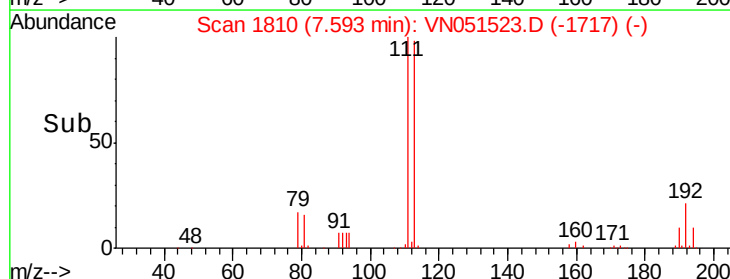
192 22.0 18.0 27.0

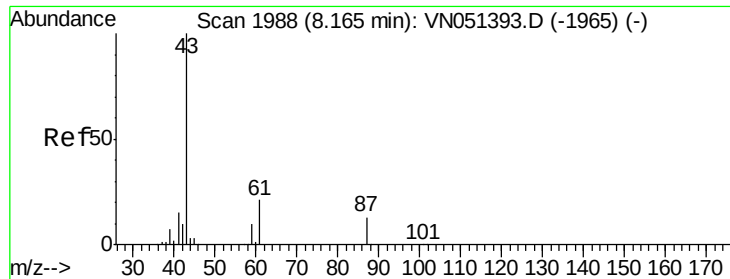


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 29.488 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051523.D

Acq: 26 Sep 2018 8:42

Instrument :

MSVOA\_N

ClientSampleId :

PB113167ZHE#12

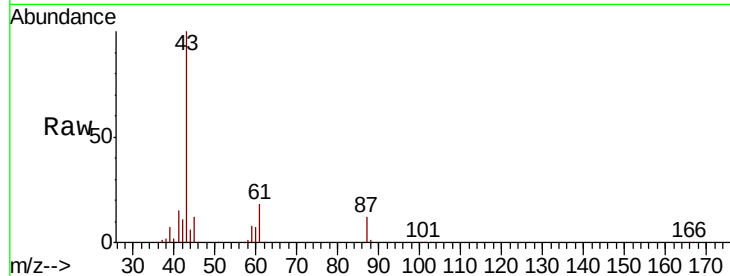
Tgt Ion: 43 Resp: 352337

Ion Ratio Lower Upper

43 100

61 15.5 16.8 25.2#

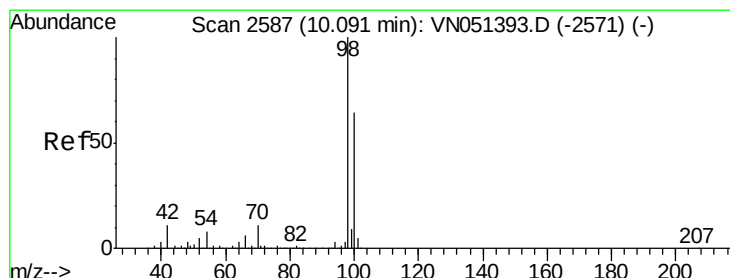
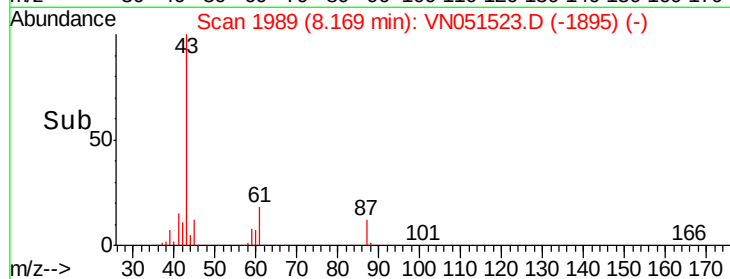
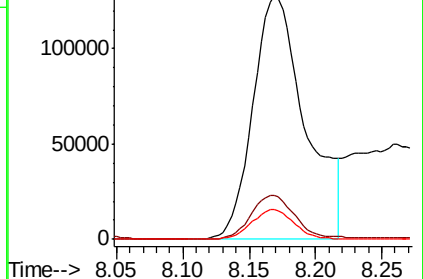
87 9.9 10.7 16.1#



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: 45.850 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051523.D

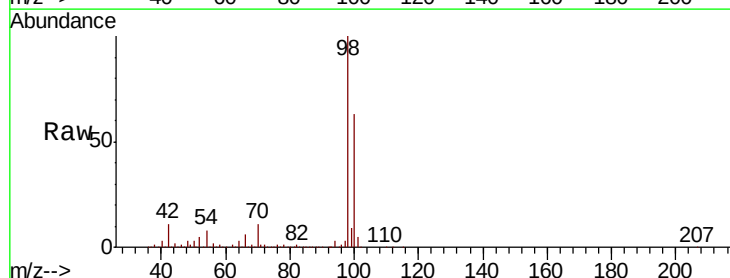
Acq: 26 Sep 2018 8:42

Tgt Ion: 98 Resp: 1370152

Ion Ratio Lower Upper

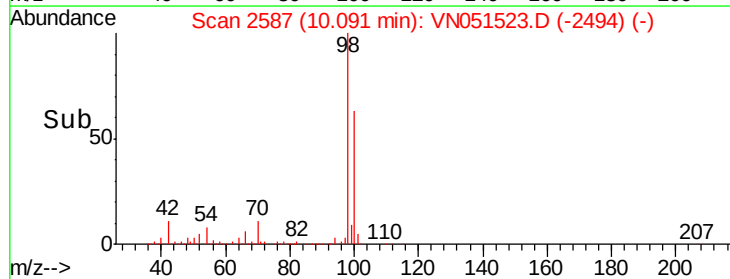
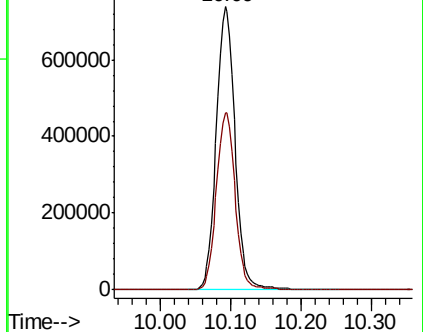
98 100

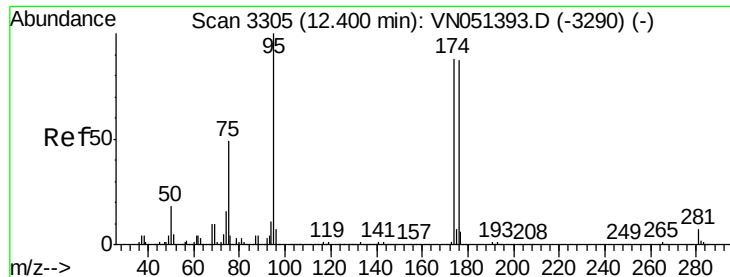
100 62.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051393.D (-2571) (-)

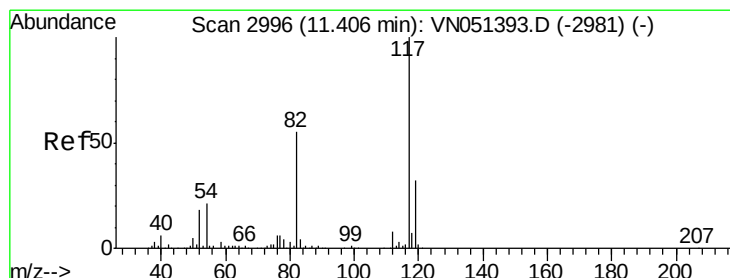
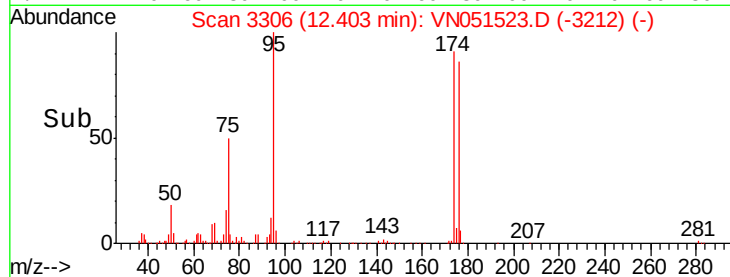
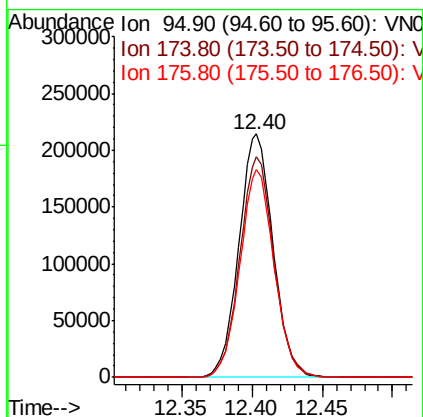
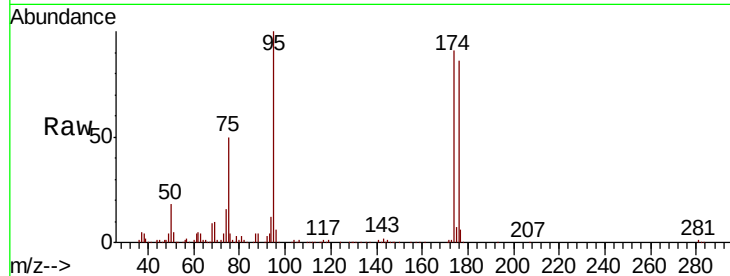




#62  
4-Bromofluorobenzene  
Concen: 37.541 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051523.D  
Acq: 26 Sep 2018 8:42

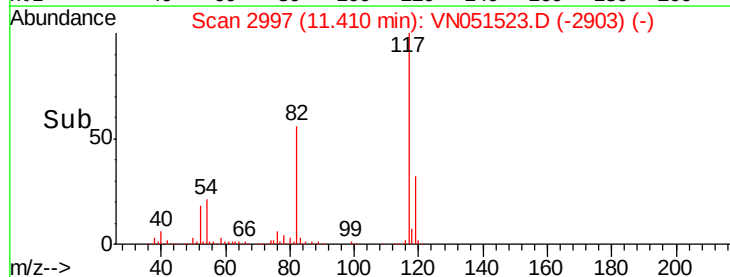
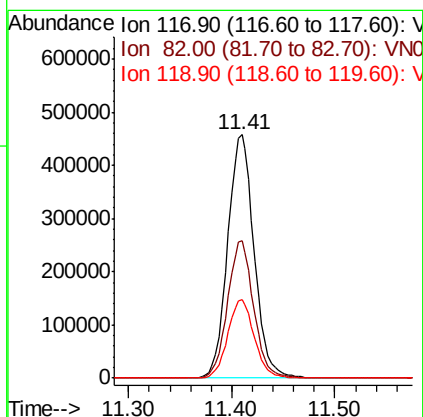
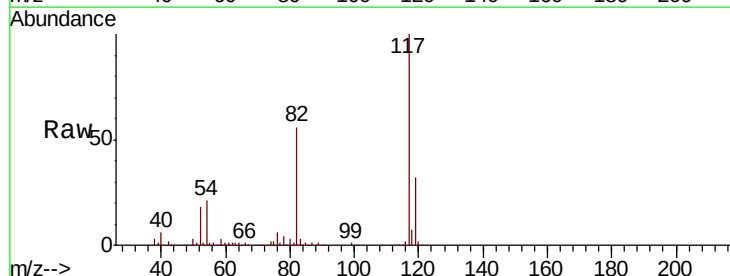
Instrument :  
MSVOA\_N  
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PB113167ZHE#12

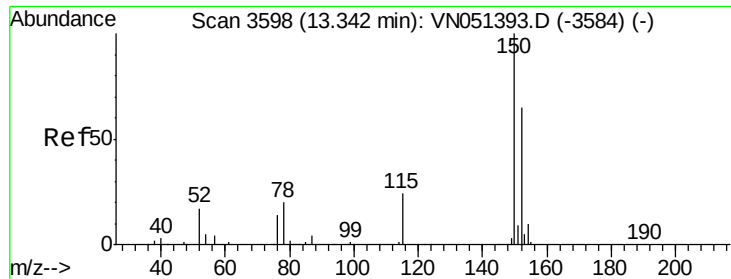
Tgt Ion: 95 Resp: 362922  
Ion Ratio Lower Upper  
95 100  
174 90.6 0.0 181.6  
176 85.5 0.0 176.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN051523.D  
Acq: 26 Sep 2018 8:42

Tgt Ion: 117 Resp: 815822  
Ion Ratio Lower Upper  
117 100  
82 56.2 44.2 66.2  
119 32.2 25.9 38.9

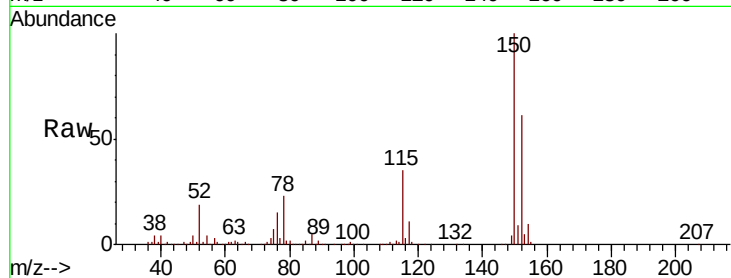




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.35 min Scan# 3599  
 Delta R.T. 0.00 min  
 Lab File: VN051523.D  
 Acq: 26 Sep 2018 8:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB113167ZHE#12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.9  | 28.3  | 84.9  |
| 150     | 160.3 | 0.0   | 353.6 |



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

