

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\  
 Data File : VN052844.D  
 Acq On : 12 Dec 2018 22:54  
 Operator : MD\SY  
 Sample : PB115564ZHE#08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 29 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115564ZHE#08

Quant Time: Dec 13 04:54:47 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 13 01:08:35 2018  
 Response via : Initial Calibration

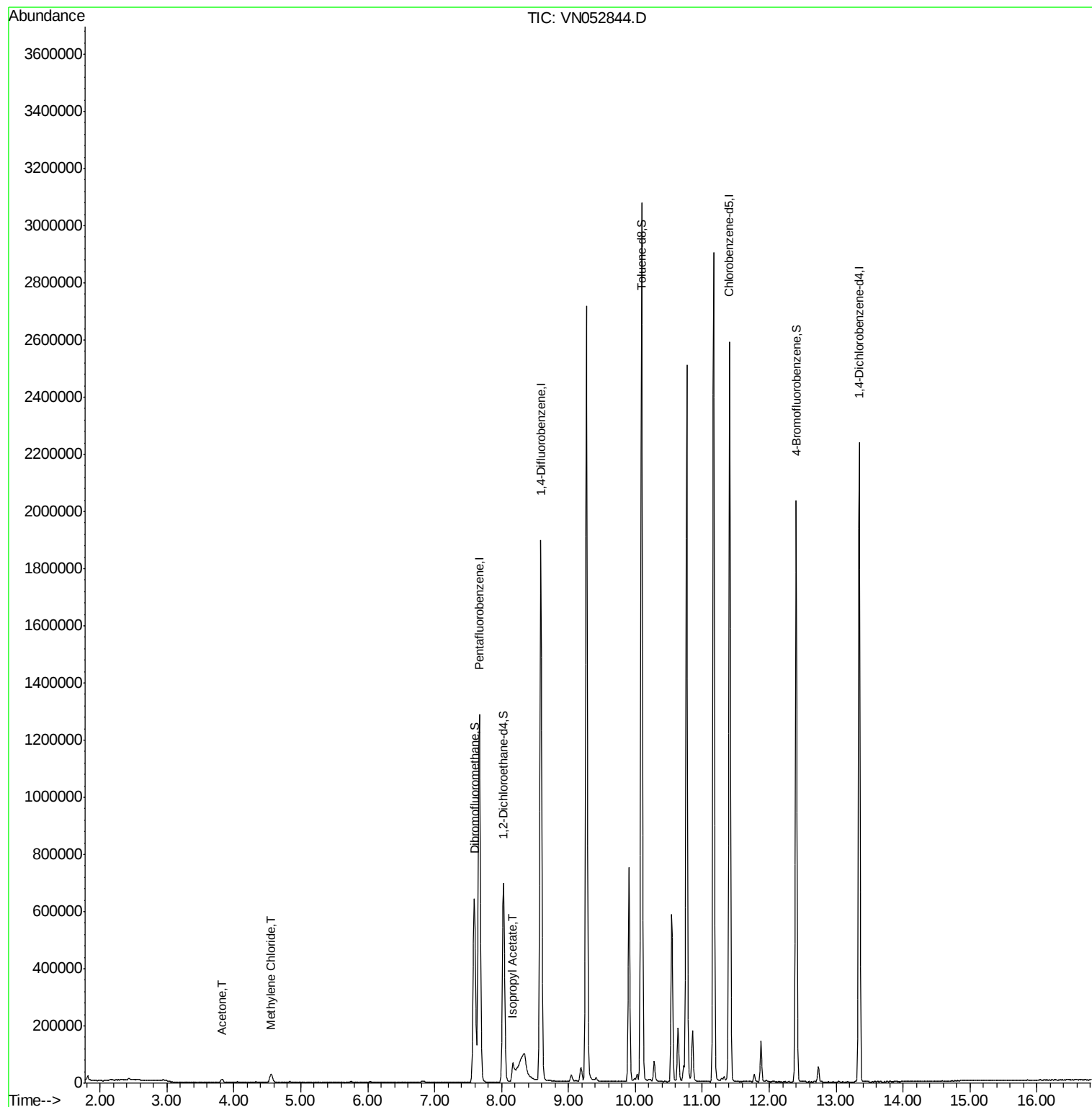
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1128190  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1760190  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1580882  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 630291   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 594920   | 49.59 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.18%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 500642   | 50.95 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.90% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2170323  | 50.95 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.90% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 699067   | 48.43 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.86%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 18004    | 6.683 | ug/l    | 93       |
| 20) Methylene Chloride      | 4.55  | 84   | 22438    | 1.851 | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 88880    | 4.452 | ug/l #  | 74       |

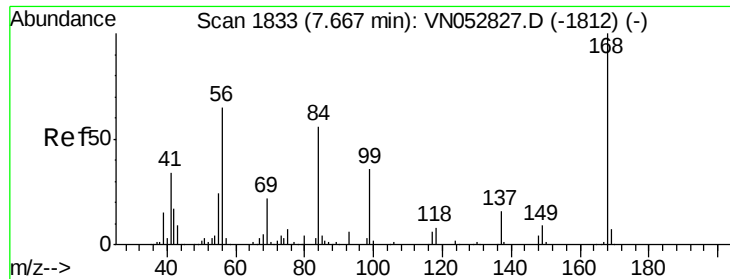
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121218\  
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QLast Update : Thu Dec 13 01:08:35 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: VN052844.D

Acq: 12 Dec 2018 22:54

Instrument :

MSVOA\_N

ClientSampleId :

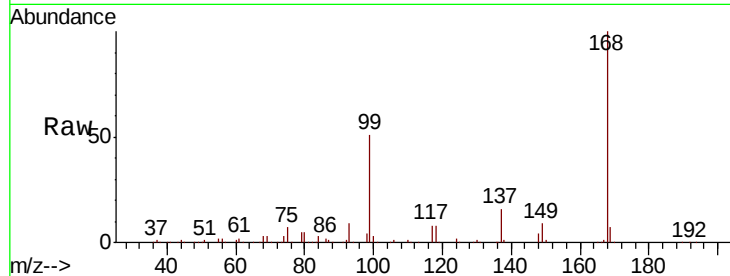
PB115564ZHE#08

Tot Ion:168 Resp: 1128190

Ion Ratio Lower Upper

168 100

99 51.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

500000

400000

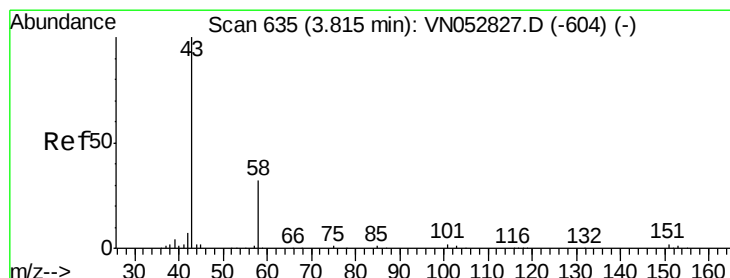
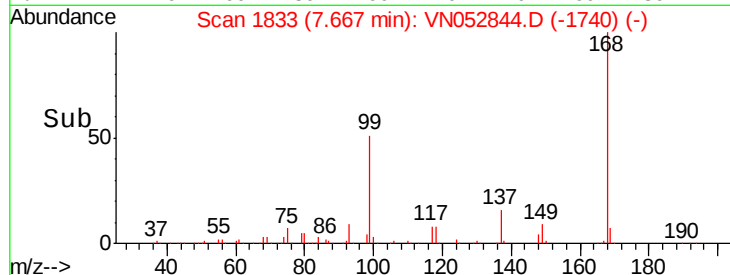
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 6.683 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052844.D

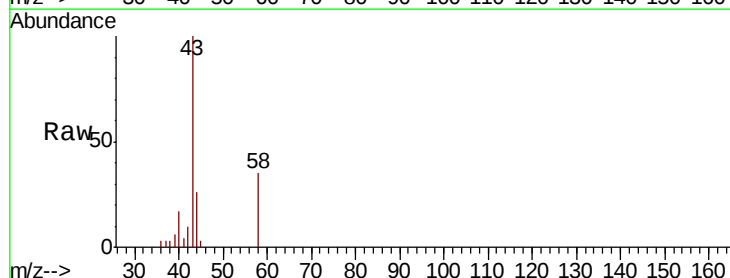
Acq: 12 Dec 2018 22:54

Tgt Ion: 43 Resp: 18004

Ion Ratio Lower Upper

43 100

58 35.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-604) (-)

3.82

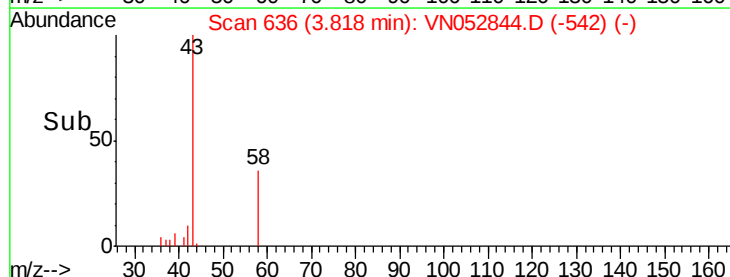
6000

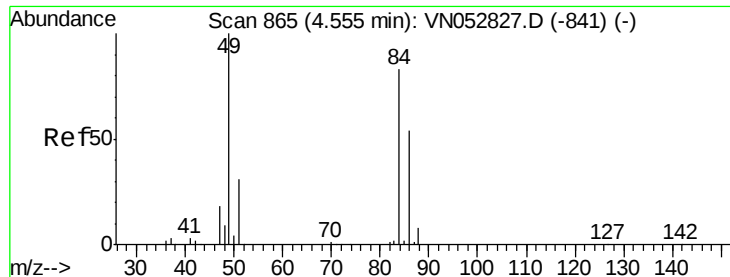
4000

2000

0

Time-->





#20

Methylene Chloride

Concen: 1.851 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052844.D

Acq: 12 Dec 2018 22:54

Instrument :

MSVOA\_N

ClientSampleId :

PB115564ZHE#08

Tot Ion: 84 Resp: 22438

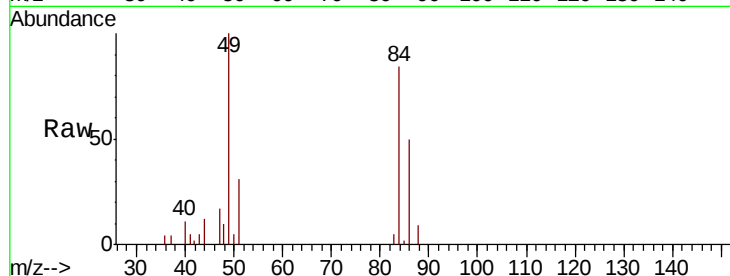
Ion Ratio Lower Upper

84 100

49 116.7 96.8 145.2

51 36.6 29.9 44.9

86 59.8 51.8 77.6

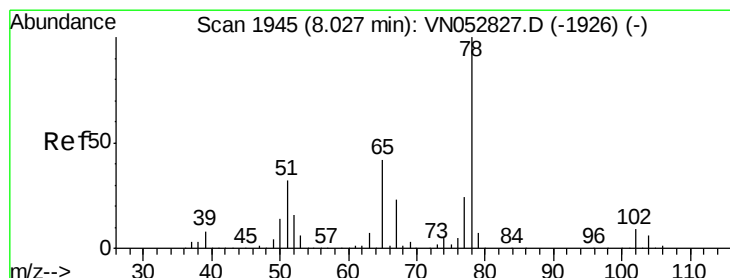
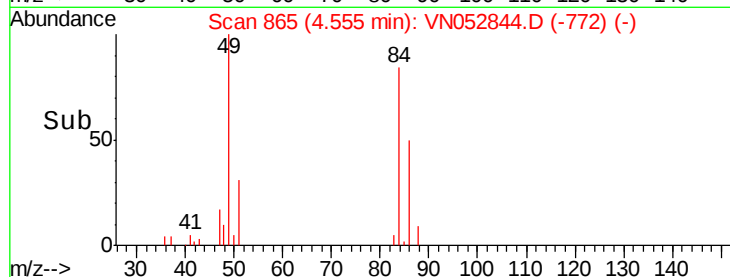
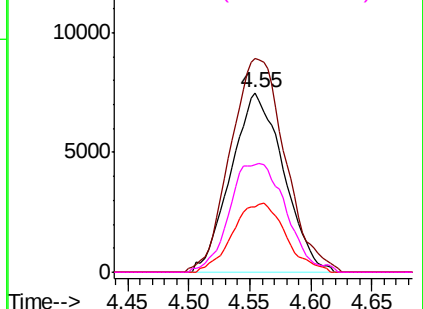


Abundance Ion 83.90 (83.60 to 84.60): VNO

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: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052844.D

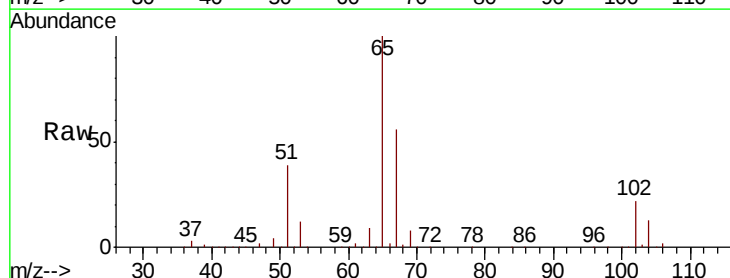
Acq: 12 Dec 2018 22:54

Tgt Ion: 65 Resp: 594920

Ion Ratio Lower Upper

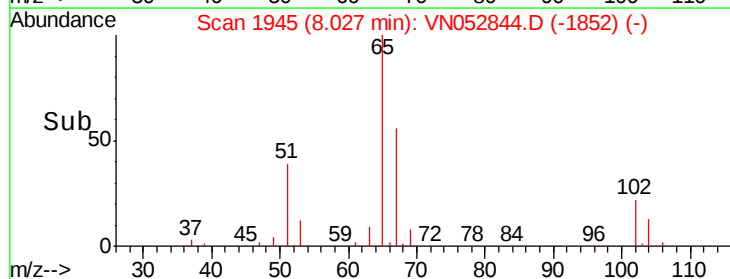
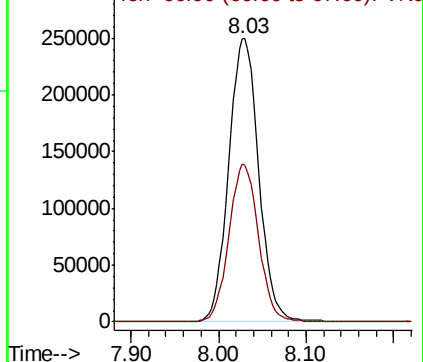
65 100

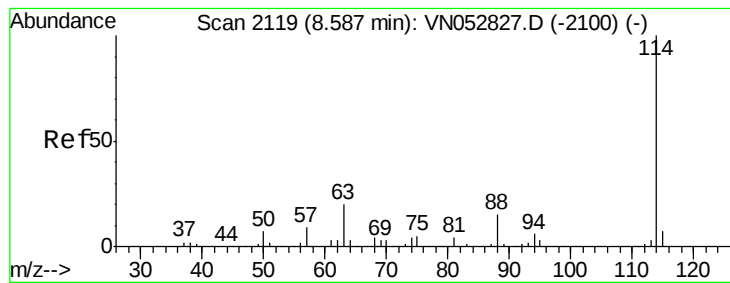
67 54.9 0.0 110.4



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: VN052844.D

Acq: 12 Dec 2018 22:54

Instrument :

MSVOA\_N

ClientSampleId :

PB115564ZHE#08

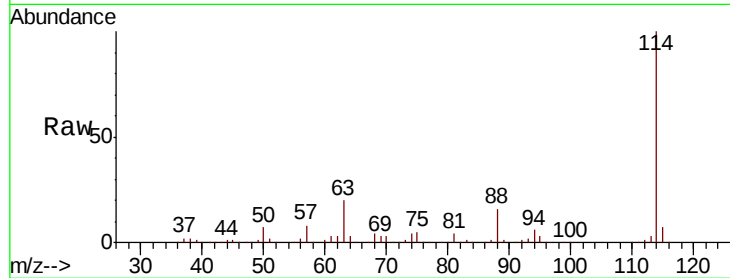
Tot Ion:114 Resp: 1760190

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.8

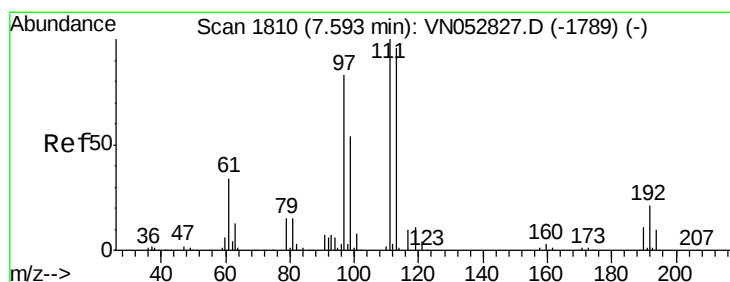
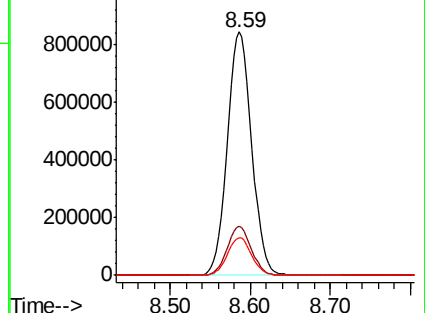
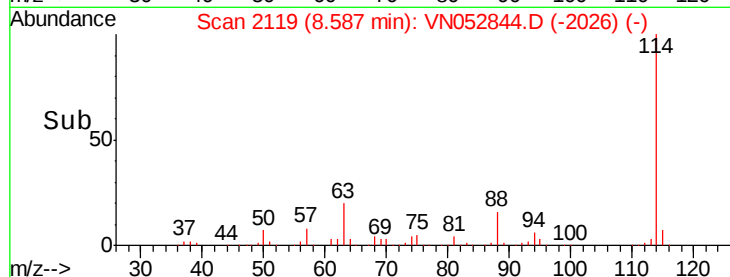
88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052844.D

Acq: 12 Dec 2018 22:54

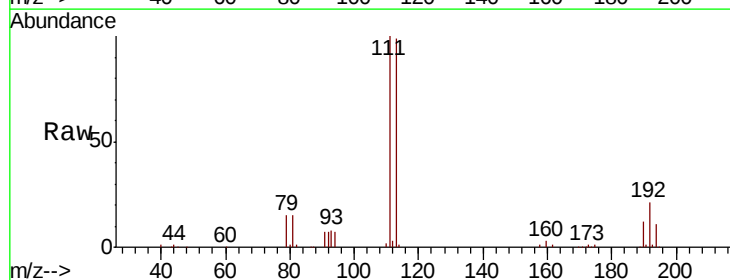
Tgt Ion:113 Resp: 500642

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

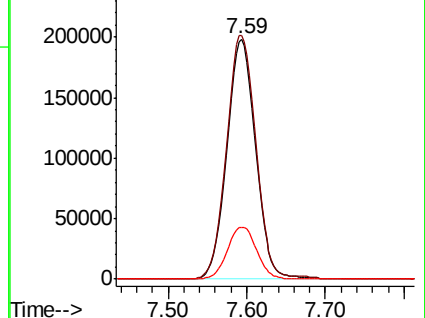
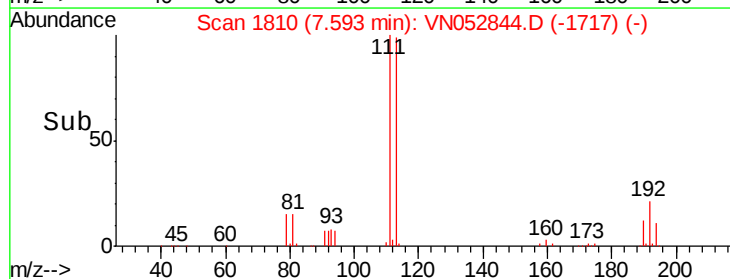
192 22.2 17.5 26.3

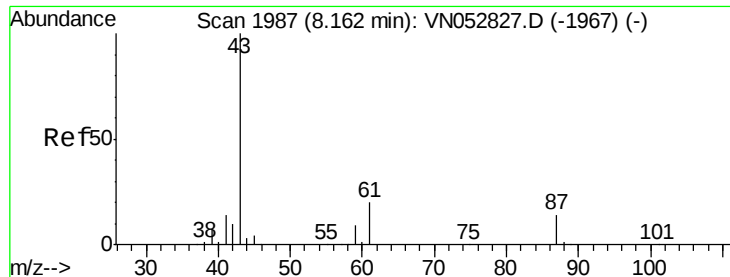


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 4.452 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052844.D

Acq: 12 Dec 2018 22:54

Instrument :

MSVOA\_N

ClientSampleId :

PB115564ZHE#08

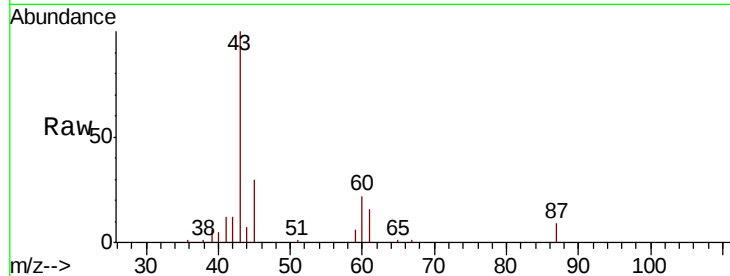
Tot Ion: 43 Resp: 88880

Ion Ratio Lower Upper

43 100

61 12.3 22.9 34.3#

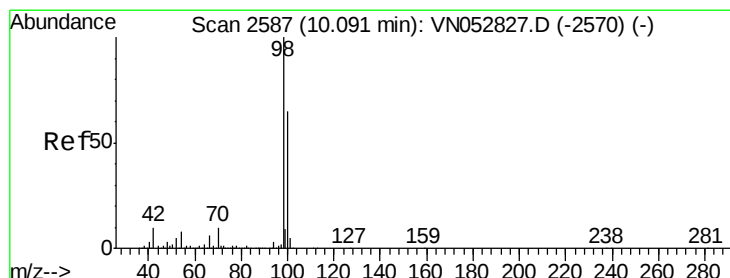
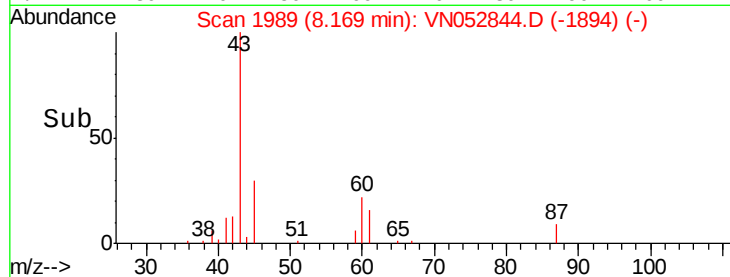
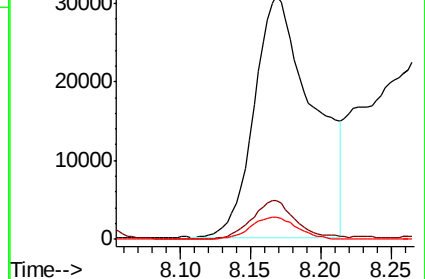
87 7.1 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052844.D

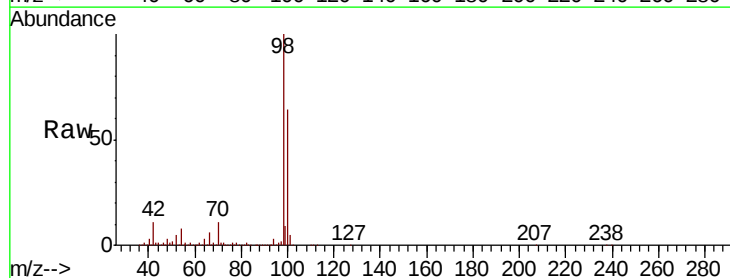
Acq: 12 Dec 2018 22:54

Tgt Ion: 98 Resp: 2170323

Ion Ratio Lower Upper

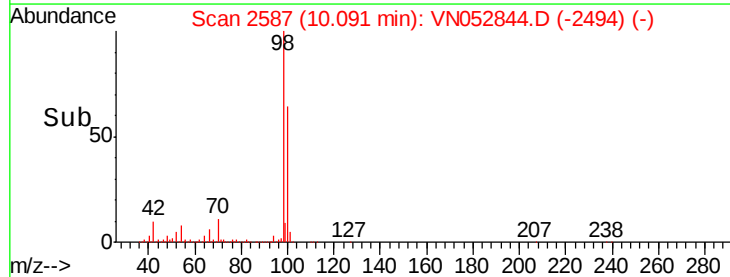
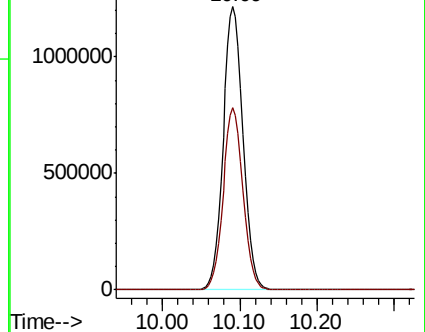
98 100

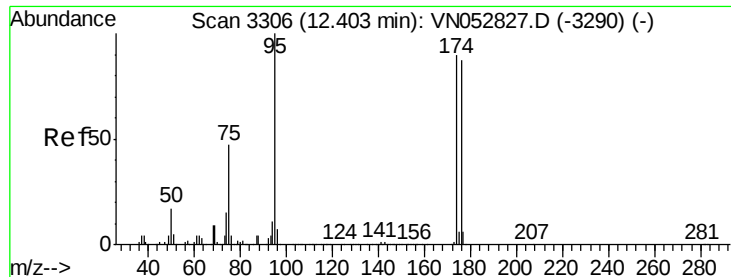
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052827.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052827.D (-2570) (-)

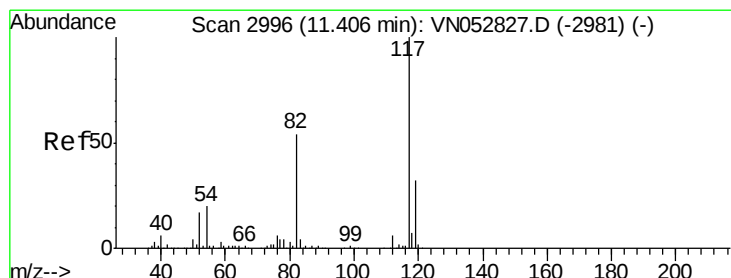
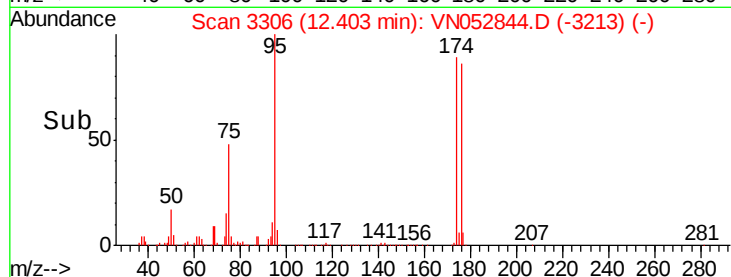
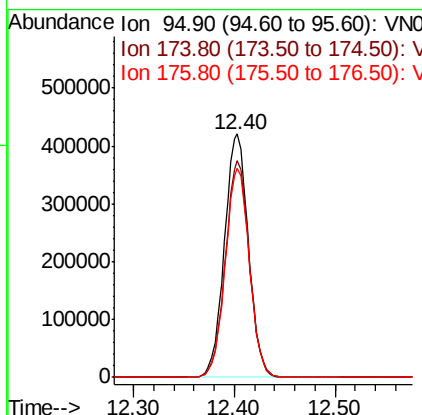
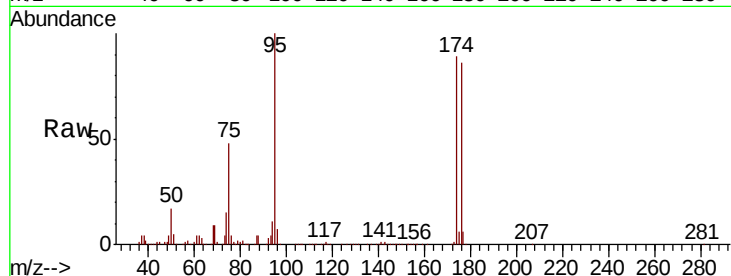




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. -0.00 min  
Lab File: VN052844.D  
Acq: 12 Dec 2018 22:54

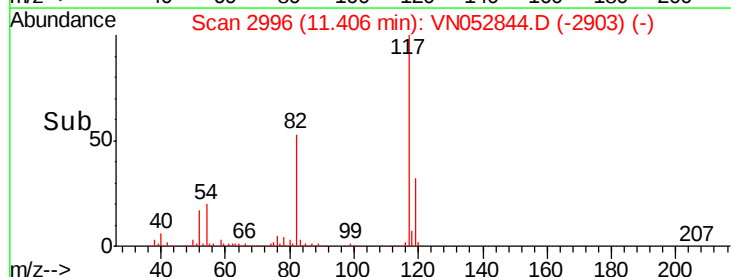
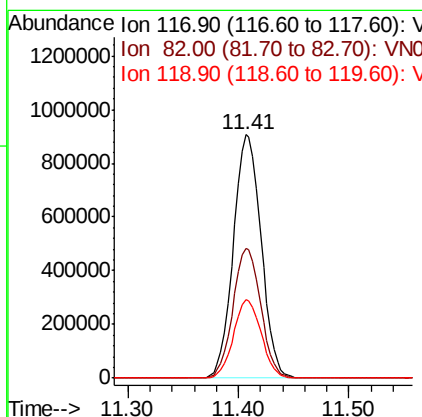
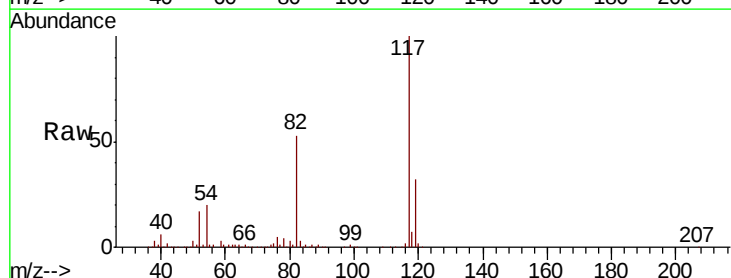
Instrument :  
MSVOA\_N  
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PB115564ZHE#08

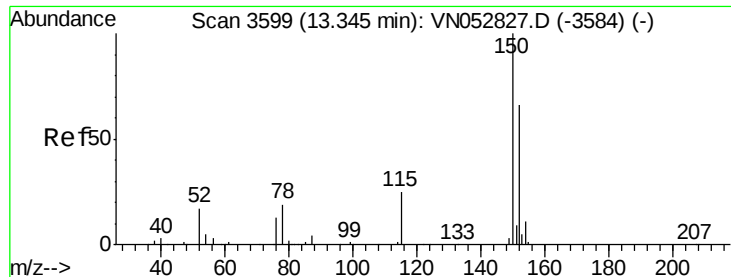
Tot Ion: 95 Resp: 699067  
Ion Ratio Lower Upper  
95 100  
174 88.6 0.0 178.8  
176 85.9 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN052844.D  
Acq: 12 Dec 2018 22:54

Tgt Ion: 117 Resp: 1580882  
Ion Ratio Lower Upper  
117 100  
82 53.5 42.8 64.2  
119 32.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052844.D

Acq: 12 Dec 2018 22:54

Instrument :

MSVOA\_N

ClientSampleId :

PB115564ZHE#08

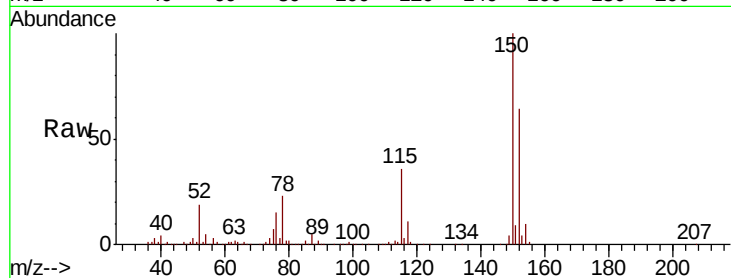
Tot Ion:152 Resp: 630291

Ion Ratio Lower Upper

152 100

115 56.0 28.3 85.0

150 155.6 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

