

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\  
 Data File : VN052696.D  
 Acq On : 6 Dec 2018 13:40  
 Operator : MD\SY  
 Sample : PB115376ZHE#05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115376ZHE#05

Quant Time: Dec 07 07:04:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 03 03:24:02 2018  
 Response via : Initial Calibration

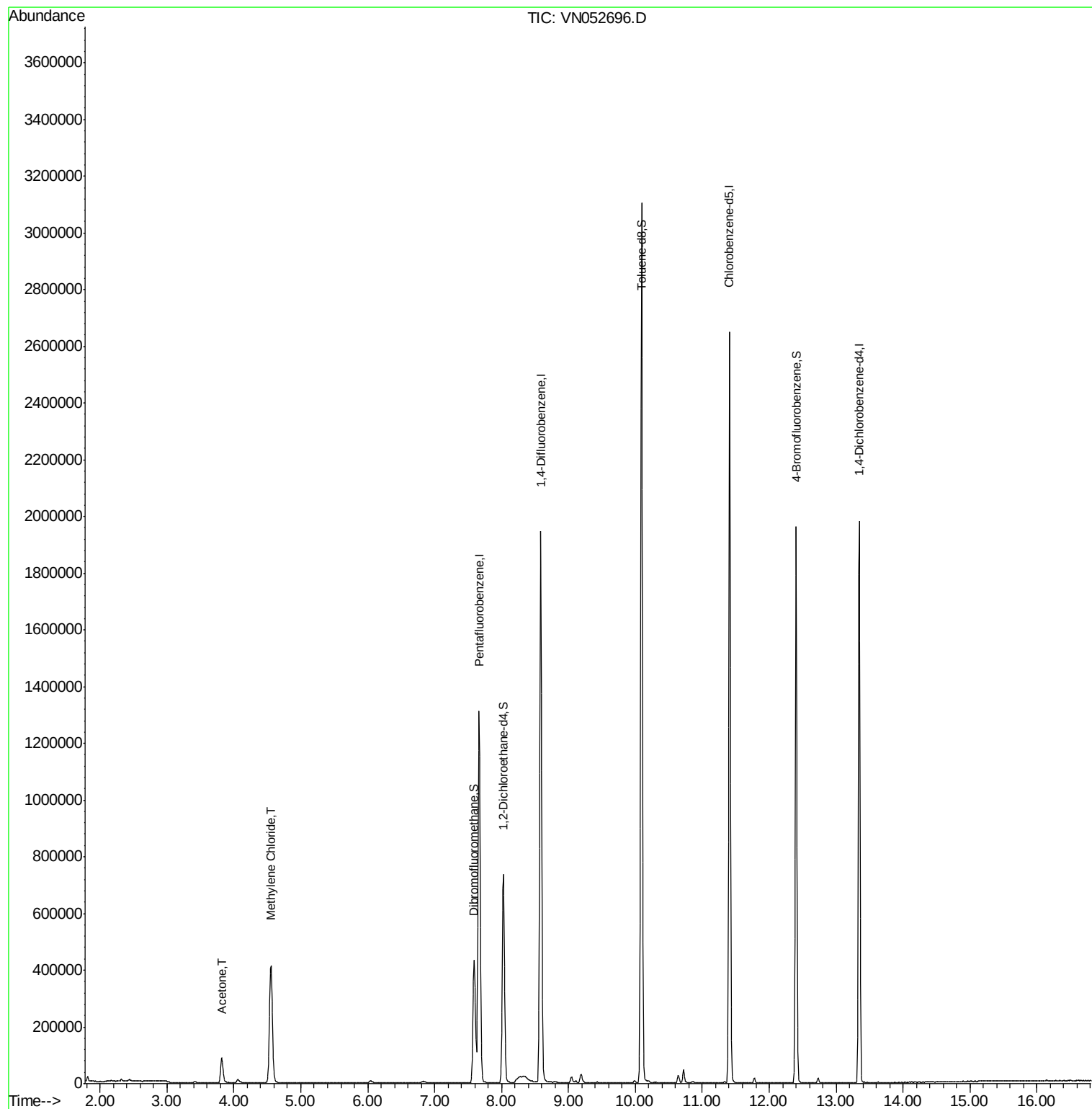
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1145895  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1794661  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1556923  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 562129   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 616450   | 49.41  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.82%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 344097   | 31.10  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 62.20%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2176521  | 50.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.08% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 672285   | 46.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.90%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 153207   | 46.555 | ug/l    | 99       |
| 20) Methylene Chloride      | 4.55  | 84   | 326192   | 25.329 | ug/l    | 98       |

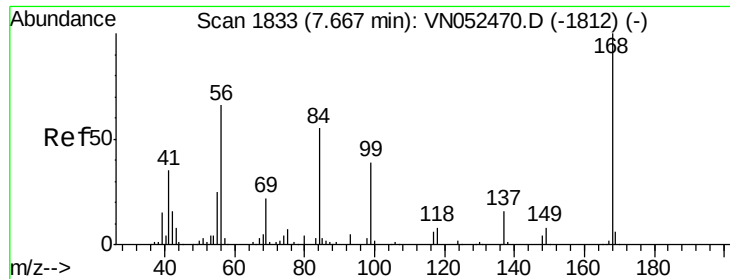
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Dec 03 03:24:02 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: VN052696.D

Acq: 6 Dec 2018 13:40

Instrument :

MSVOA\_N

ClientSampleId :

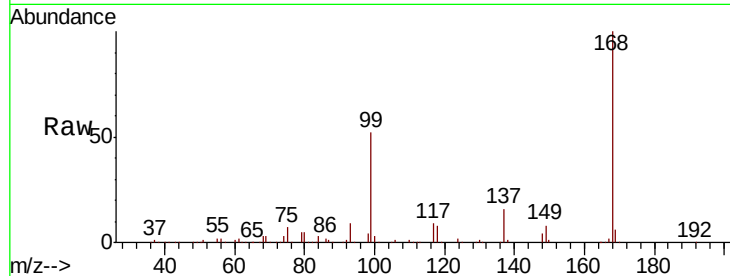
PB115376ZHE#05

Tot Ion:168 Resp: 1145895

Ion Ratio Lower Upper

168 100

99 51.6 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

500000

400000

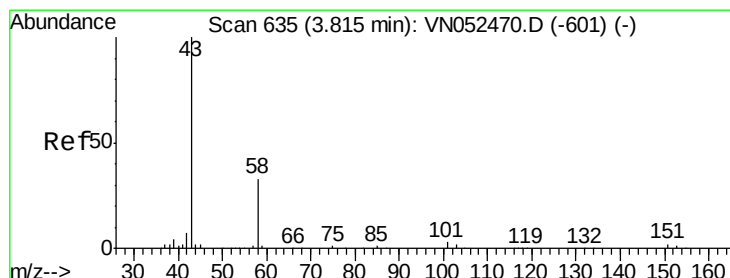
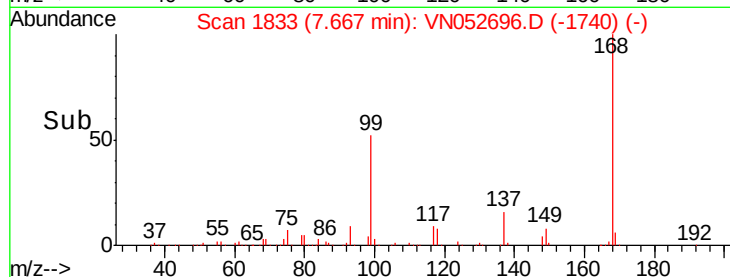
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 46.555 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052696.D

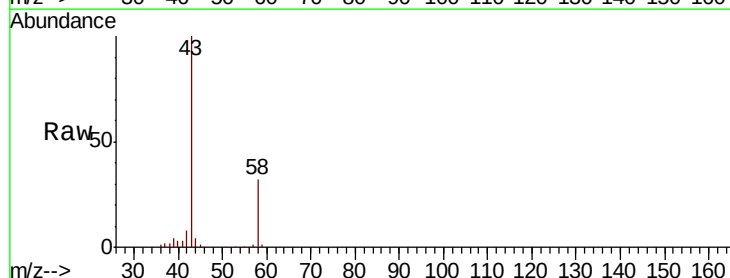
Acq: 6 Dec 2018 13:40

Tgt Ion: 43 Resp: 153207

Ion Ratio Lower Upper

43 100

58 31.8 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)

3.82

60000

50000

40000

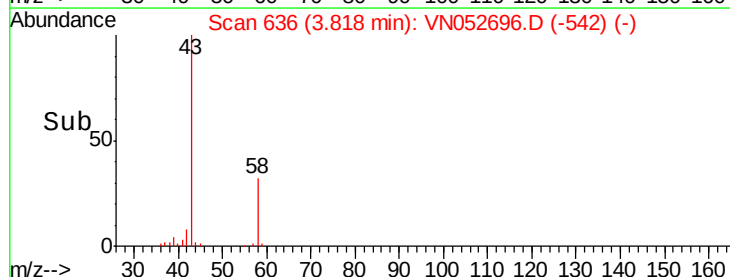
30000

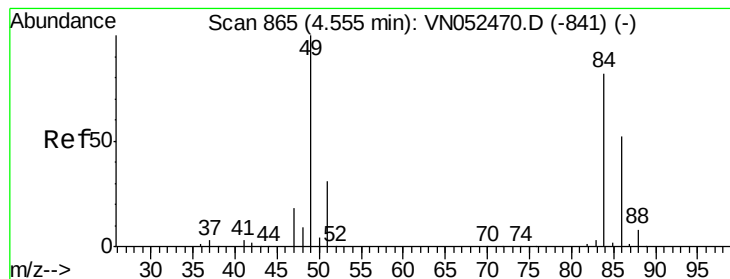
20000

10000

0

Time-->





#20

Methylene Chloride

Concen: 25.329 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052696.D

Acq: 6 Dec 2018 13:40

Instrument :

MSVOA\_N

ClientSampleId :

PB115376ZHE#05

Tot Ion: 84 Resp: 326192

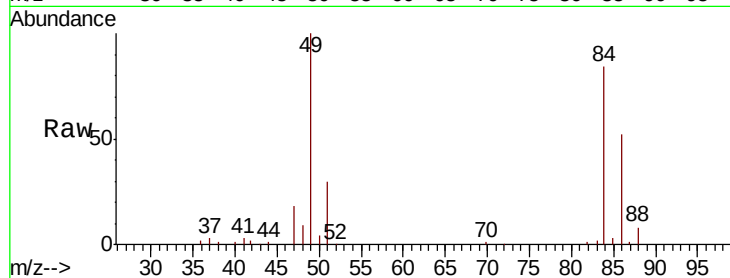
Ion Ratio Lower Upper

84 100

49 119.2 98.0 147.0

51 36.3 30.1 45.1

86 62.3 50.7 76.1

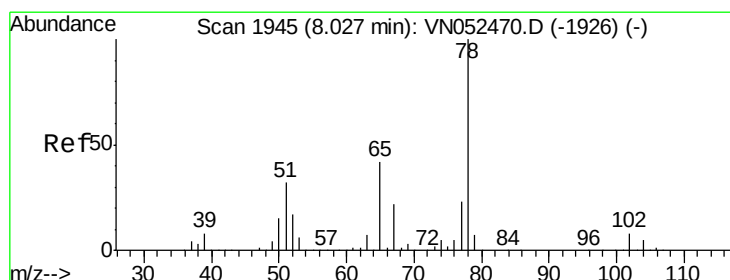
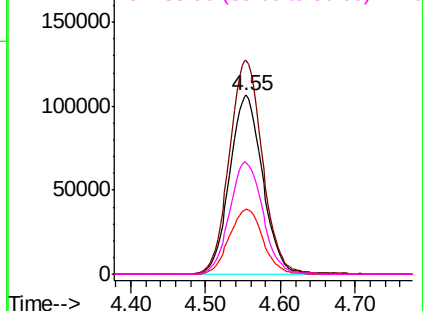
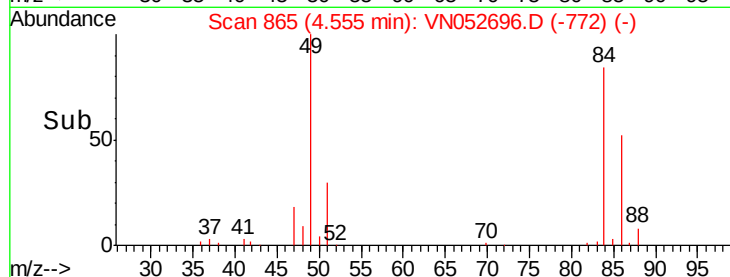


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052696.D

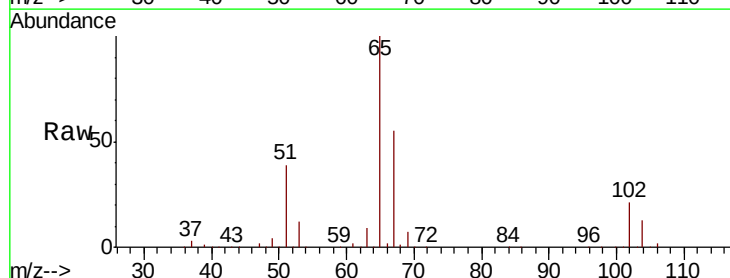
Acq: 6 Dec 2018 13:40

Tgt Ion: 65 Resp: 616450

Ion Ratio Lower Upper

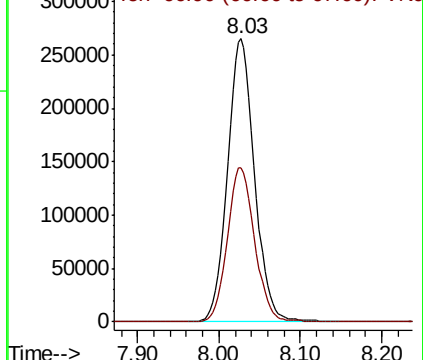
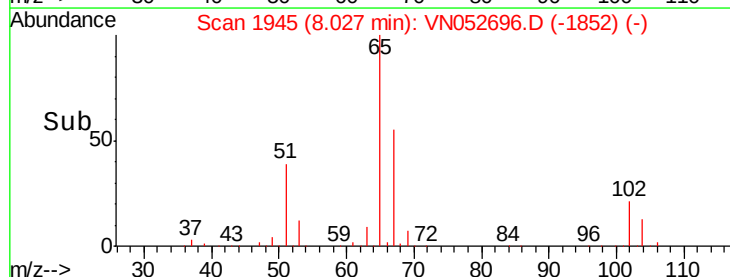
65 100

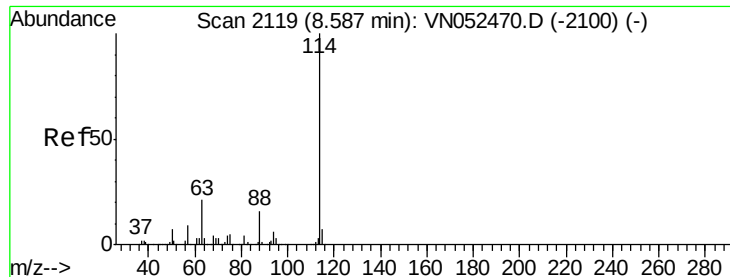
67 55.0 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052696.D

Acq: 6 Dec 2018 13:40

Instrument :

MSVOA\_N

ClientSampleId :

PB115376ZHE#05

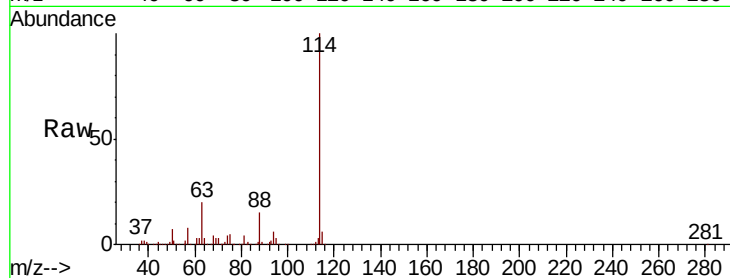
Tot Ion:114 Resp: 1794661

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.8

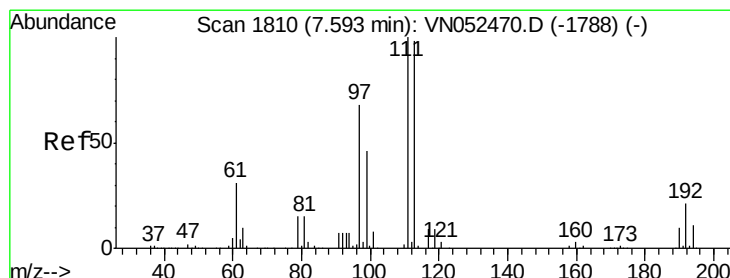
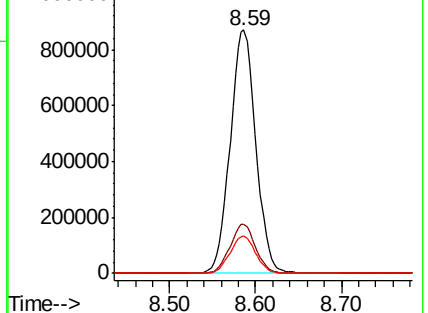
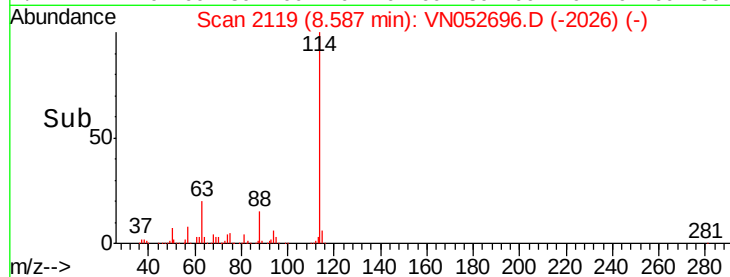
88 15.2 0.0 31.6



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: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052696.D

Acq: 6 Dec 2018 13:40

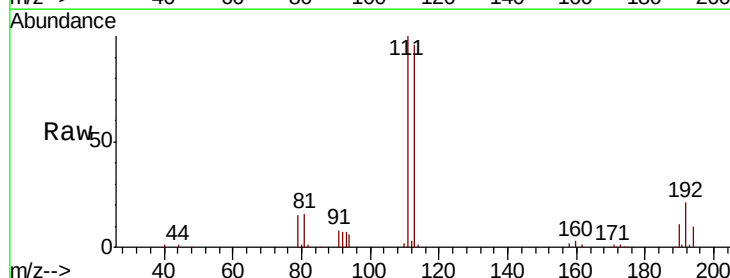
Tgt Ion:113 Resp: 344097

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

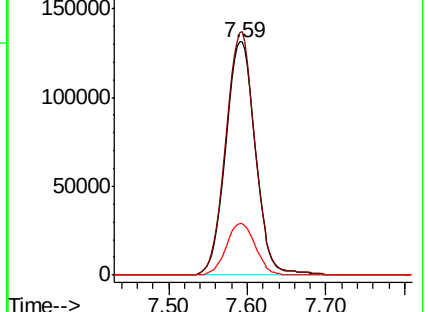
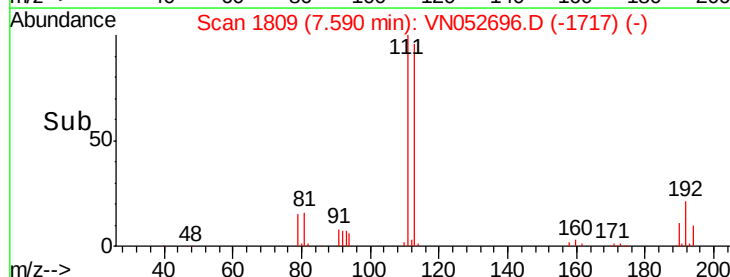
192 21.7 17.0 25.6

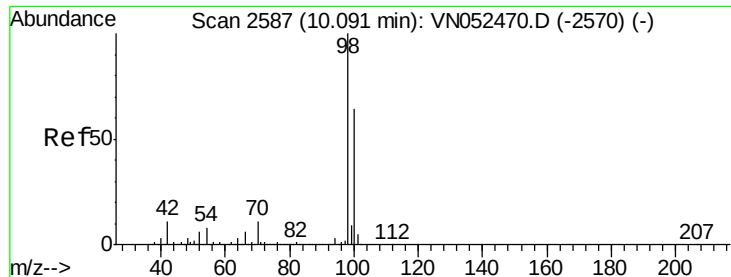


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052696.D

Acq: 6 Dec 2018 13:40

Instrument :

MSVOA\_N

ClientSampleId :

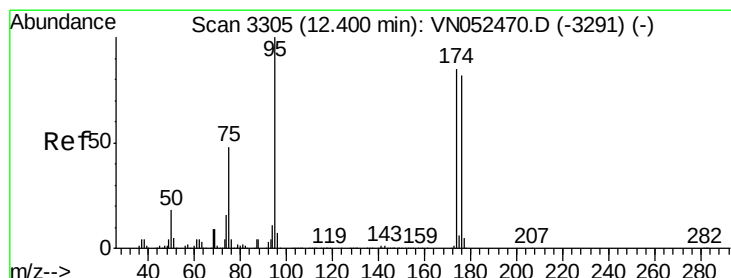
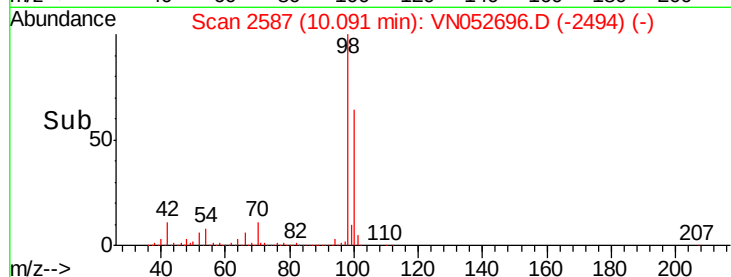
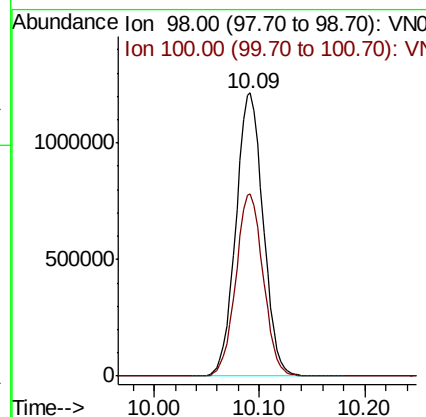
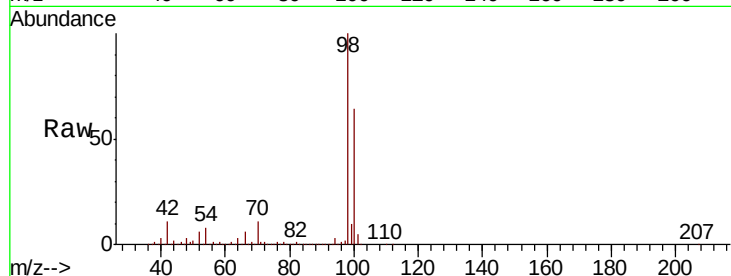
PB115376ZHE#05

Tot Ion: 98 Resp: 2176521

Ion Ratio Lower Upper

98 100

100 64.7 51.3 76.9



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052696.D

Acq: 6 Dec 2018 13:40

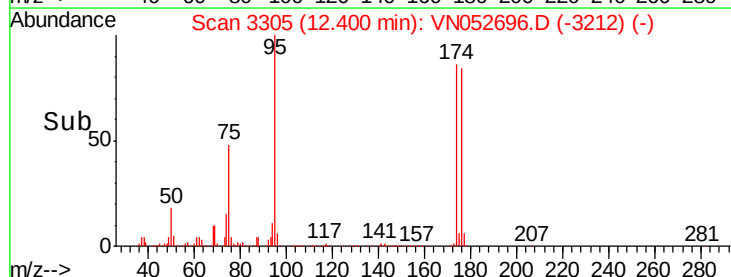
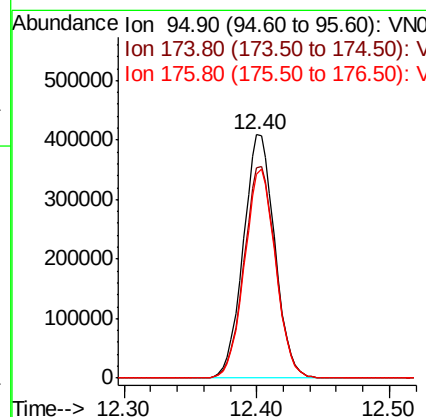
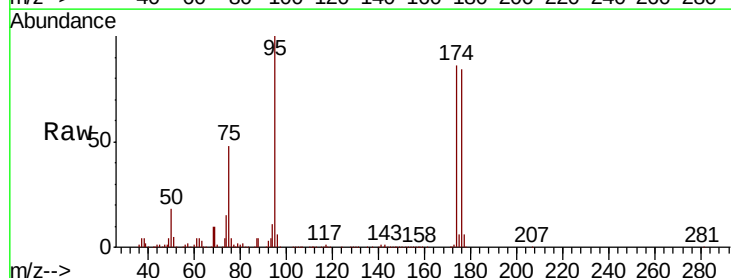
Tgt Ion: 95 Resp: 672285

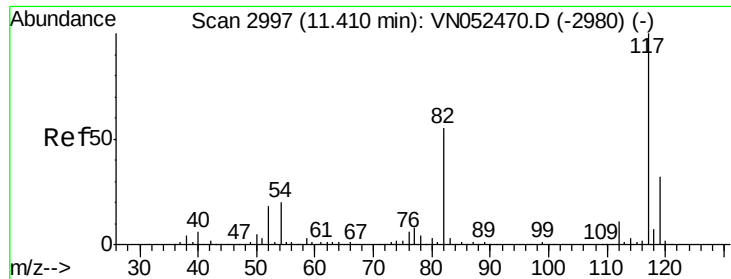
Ion Ratio Lower Upper

95 100

174 87.7 0.0 173.0

176 85.0 0.0 166.2

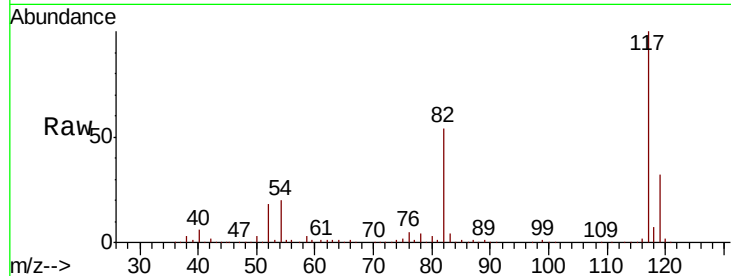




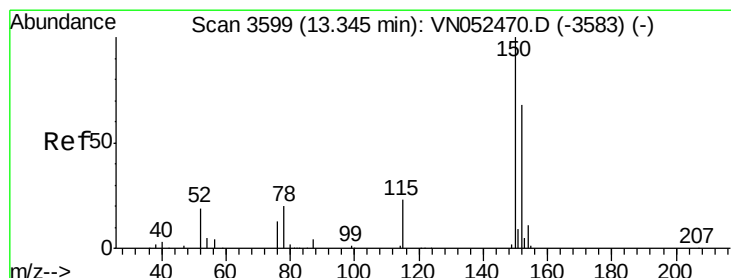
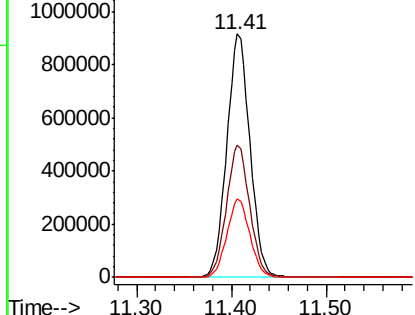
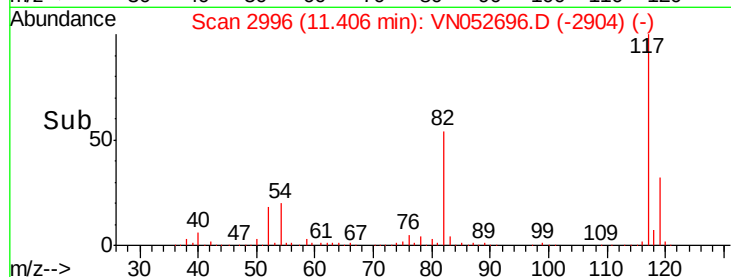
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN052696.D  
Acq: 6 Dec 2018 13:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB115376ZHE#05

Tot Ion:117 Resp: 1556923  
Ion Ratio Lower Upper  
117 100  
82 54.3 43.6 65.4  
119 32.0 25.4 38.2

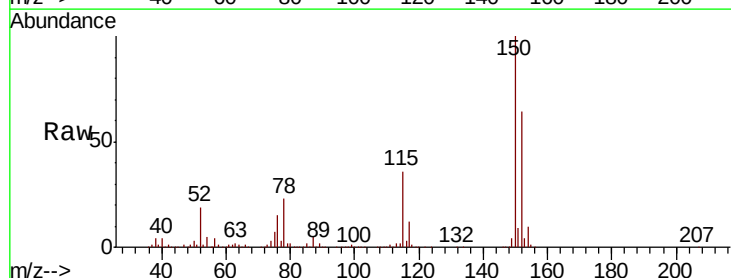


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. -0.00 min  
Lab File: VN052696.D  
Acq: 6 Dec 2018 13:40

Tgt Ion:152 Resp: 562129  
Ion Ratio Lower Upper  
152 100  
115 56.6 28.4 85.2  
150 156.4 0.0 346.0



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

