

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\  
 Data File : VN050319.D  
 Acq On : 3 Aug 2018 17:52  
 Operator : MD\SY  
 Sample : PB111719ZHE#04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111719ZHE#04

Quant Time: Aug 04 00:12:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

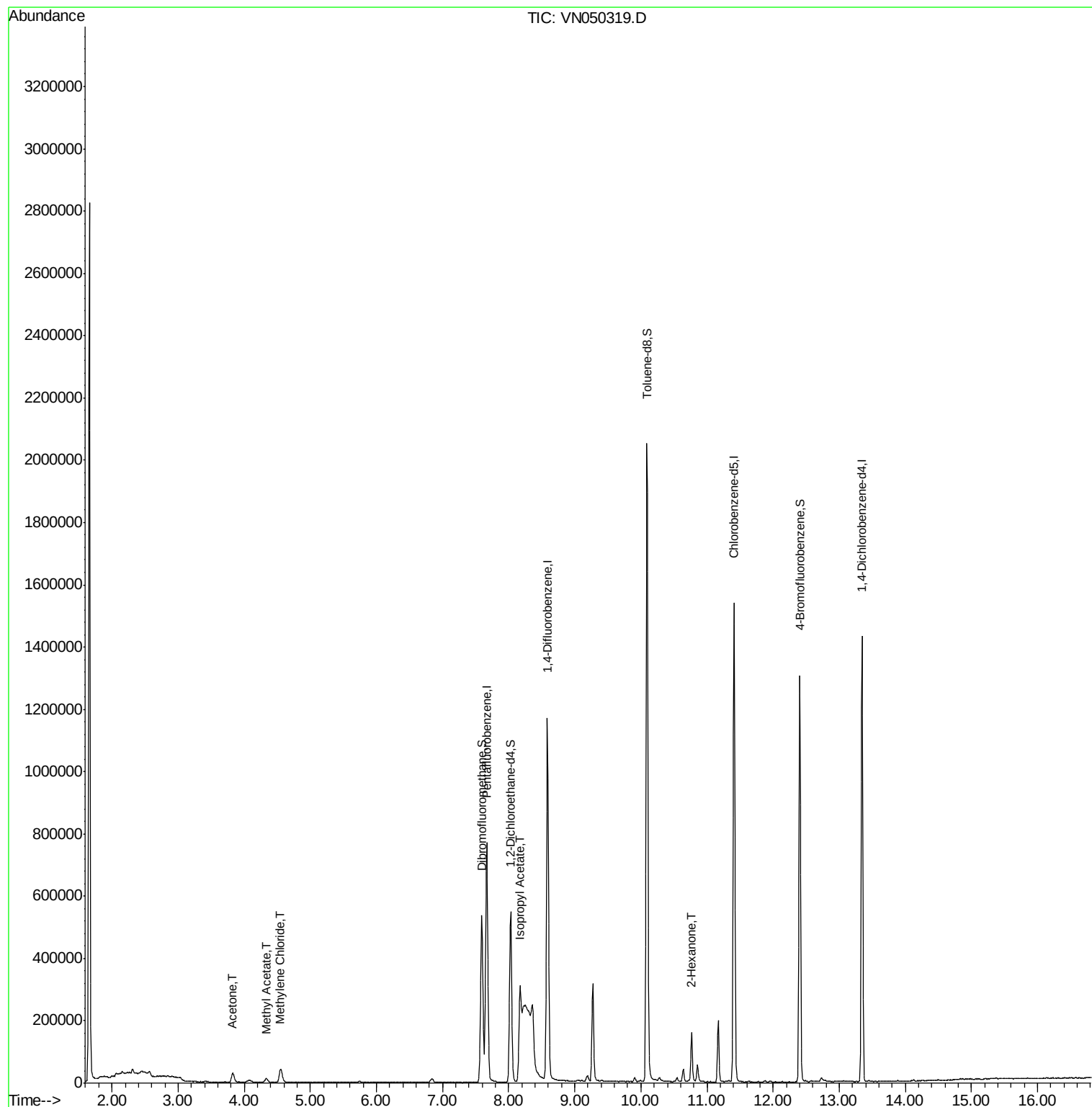
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|---------|------------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 648159   | 50.00 | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1081318  | 50.00 | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 930026   | 50.00 | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 396632   | 50.00 | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |       |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 464300   | 51.34 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.68% |            |
| 35) Dibromofluoromethane    | 7.59  | 113  | 405374   | 45.92 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.84%  |            |
| 50) Toluene-d8              | 10.09 | 98   | 1480884  | 45.62 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.24%  |            |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 432209   | 40.44 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 80.88%  |            |
| Target Compounds            |       |      |          |       |         |            |
| 16) Acetone                 | 3.83  | 43   | 53811    | 21.29 | ug/l    | Qvalue 100 |
| 18) Methyl Acetate          | 4.33  | 43   | 22115    | 1.07  | ug/l    | 98         |
| 20) Methylene Chloride      | 4.55  | 84   | 34473    | 3.12  | ug/l    | 97         |
| 43) Isopropyl Acetate       | 8.17  | 43   | 377450   | 22.97 | ug/l #  | 89         |
| 59) 2-Hexanone              | 10.77 | 43   | 22795    | 8.81  | ug/l #  | 58         |

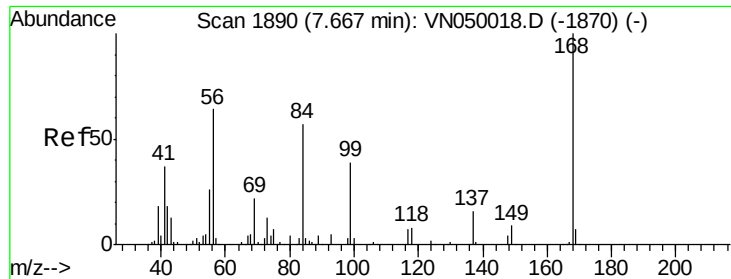
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080318\  
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Sample : PB111719ZHE#04  
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ALS Vial : 17 Sample Multiplier: 1

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PB111719ZHE#04

Quant Time: Aug 04 00:12:36 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050319.D

Acq: 3 Aug 2018 17:52

Instrument :

MSVOA\_N

ClientSampleId :

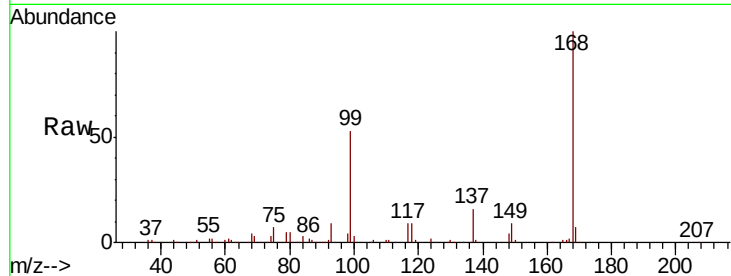
PB111719ZHE#04

Tot Ion:168 Resp: 648159

Ion Ratio Lower Upper

168 100

99 52.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

250000

200000

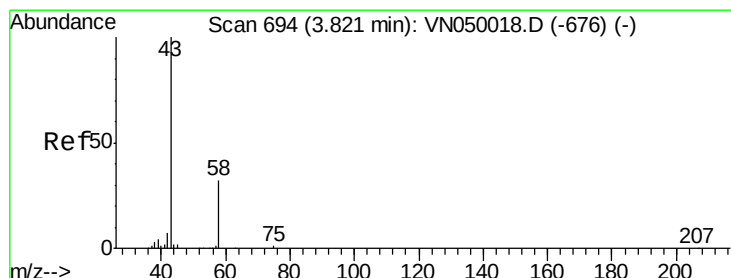
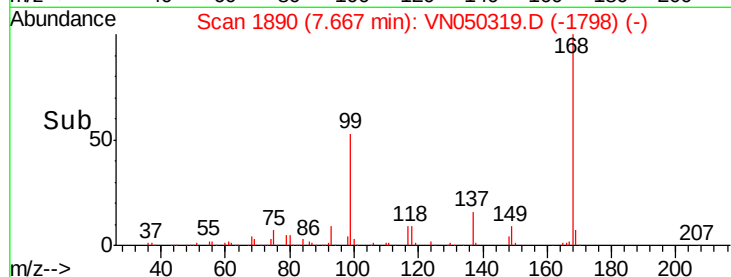
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 21.29 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050319.D

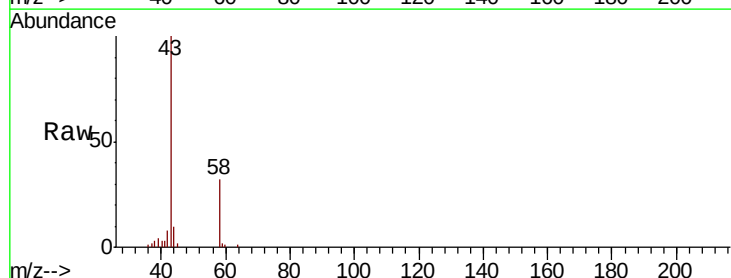
Acq: 3 Aug 2018 17:52

Tgt Ion: 43 Resp: 53811

Ion Ratio Lower Upper

43 100

58 32.1 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)

3.83

20000

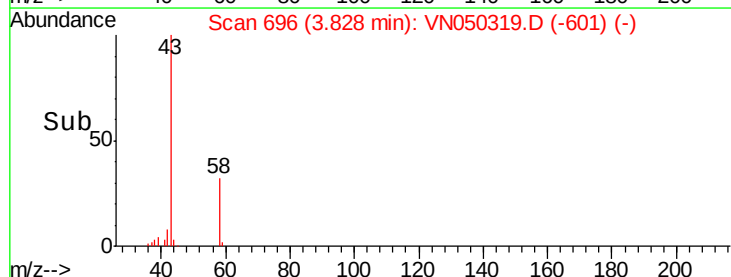
15000

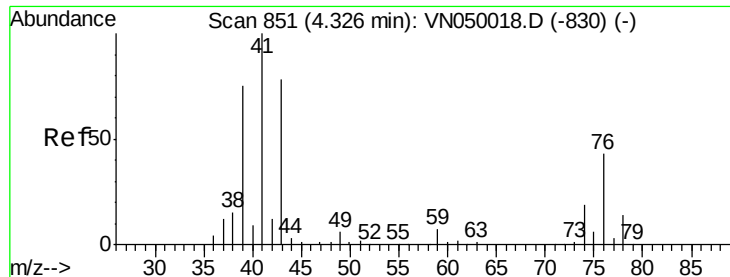
10000

5000

0

Time-->

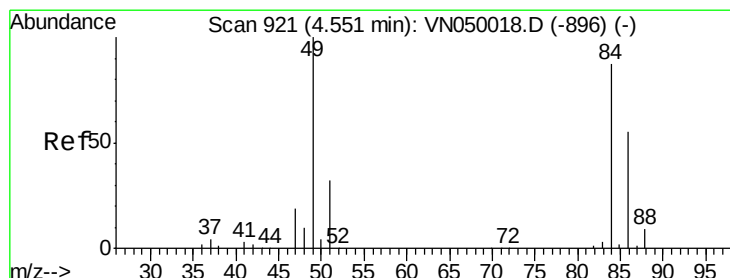
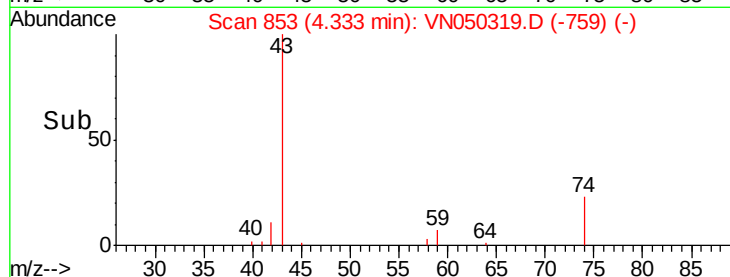
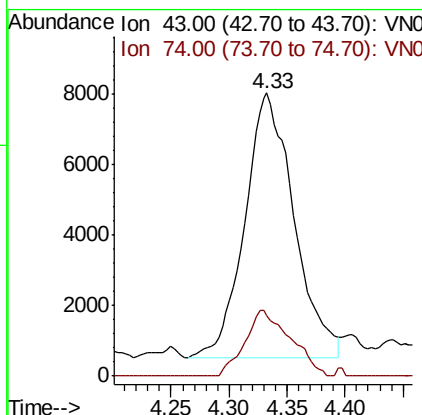
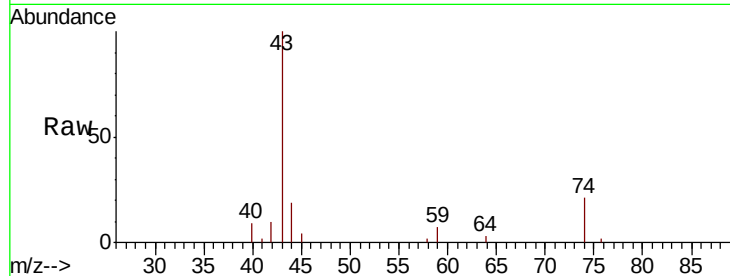




#18  
Methvl Acetate  
Concen: 1.07 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VN050319.D  
Acq: 3 Aug 2018 17:52

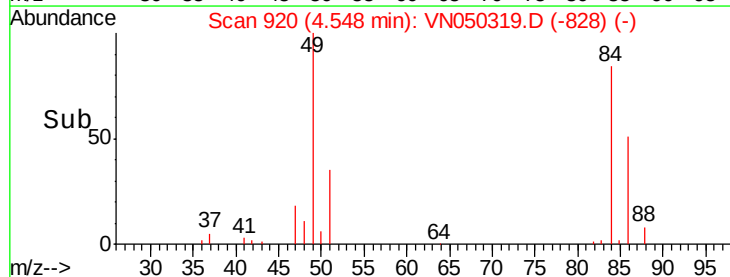
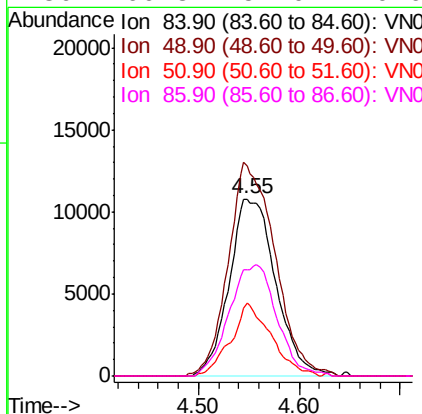
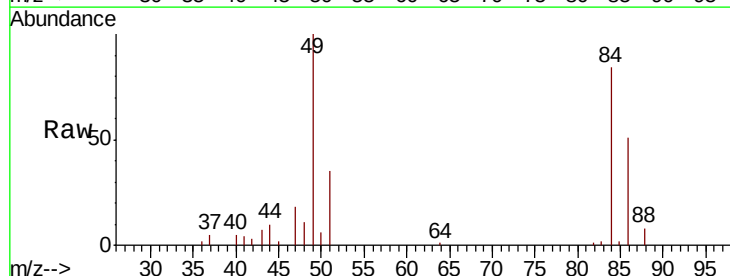
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111719ZHE#04

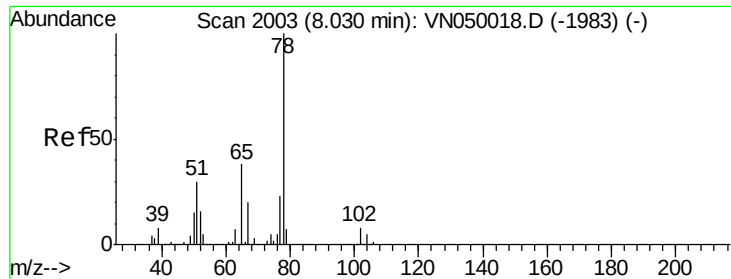
Tot Ion: 43 Resp: 22115  
Ion Ratio Lower Upper  
43 100  
74 23.2 19.2 28.8



#20  
Methylene Chloride  
Concen: 3.12 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN050319.D  
Acq: 3 Aug 2018 17:52

Tgt Ion: 84 Resp: 34473  
Ion Ratio Lower Upper  
84 100  
49 119.1 94.8 142.2  
51 41.4 28.3 42.5  
86 60.3 51.0 76.6

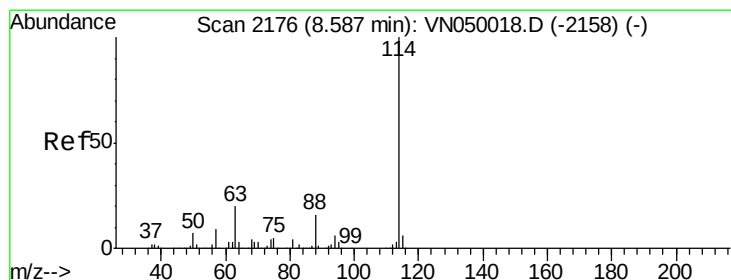
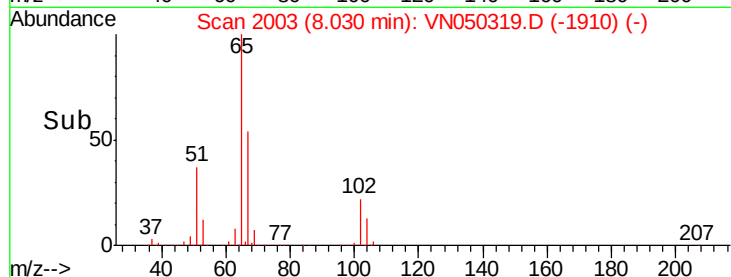
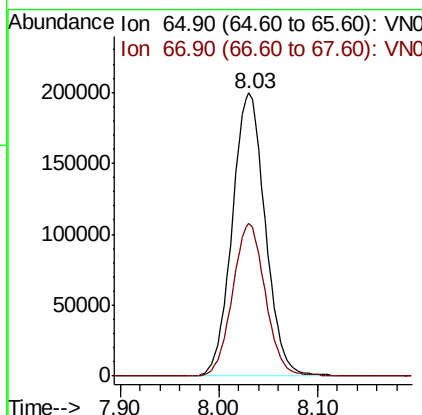
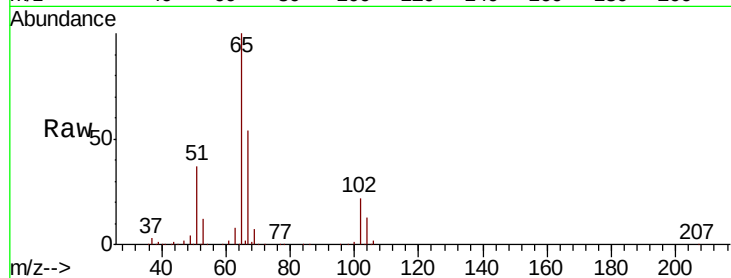




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.34 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050319.D  
 Acq: 3 Aug 2018 17:52

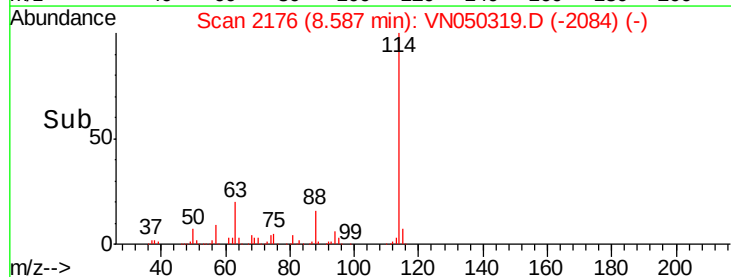
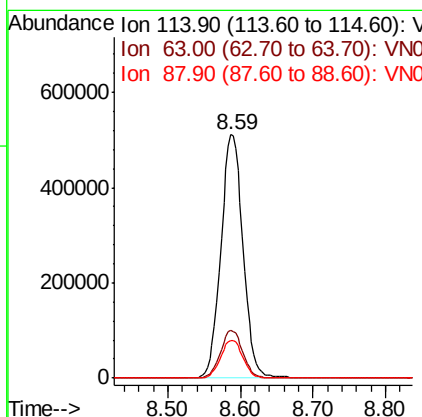
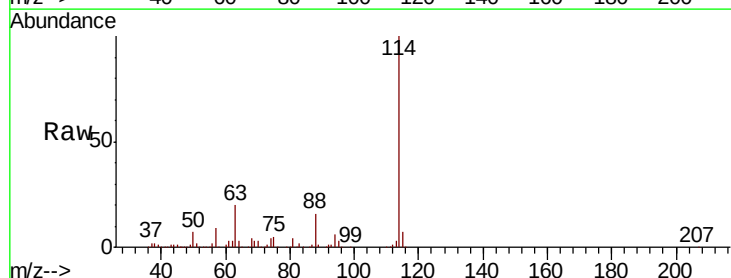
Instrument :  
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 PB111719ZHE#04

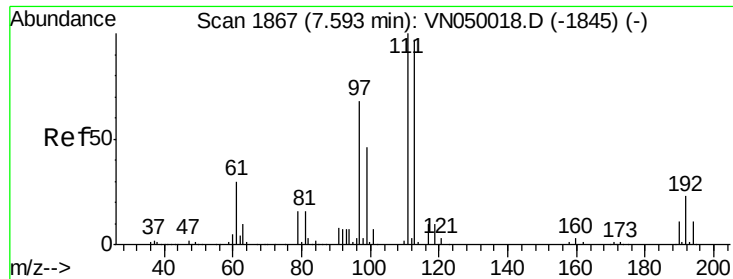
Tot Ion: 65 Resp: 464300  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN050319.D  
 Acq: 3 Aug 2018 17:52

Tgt Ion: 114 Resp: 1081318  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 40.0  
 88 15.6 0.0 31.2

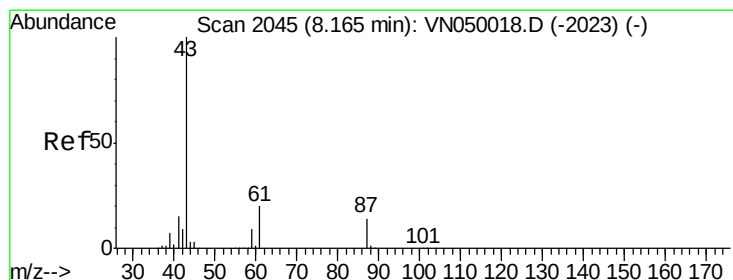
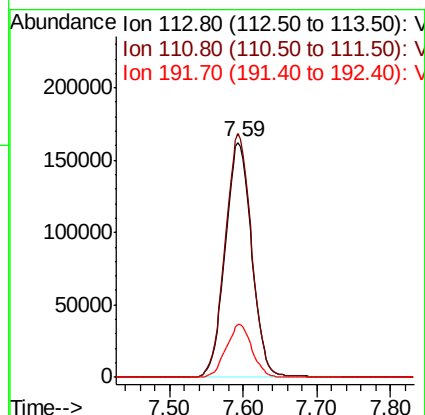
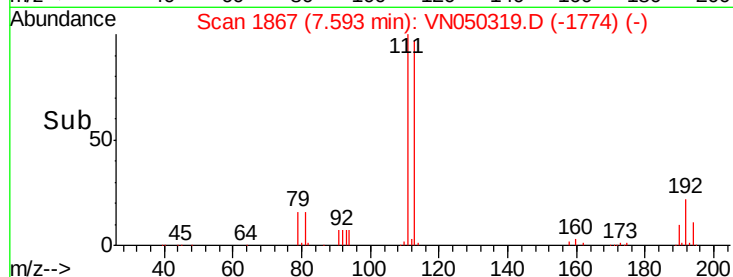
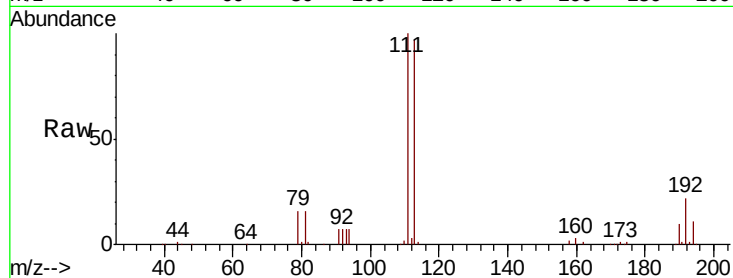




#35  
 Dibromofluoromethane  
 Concen: 45.92 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050319.D  
 Acq: 3 Aug 2018 17:52

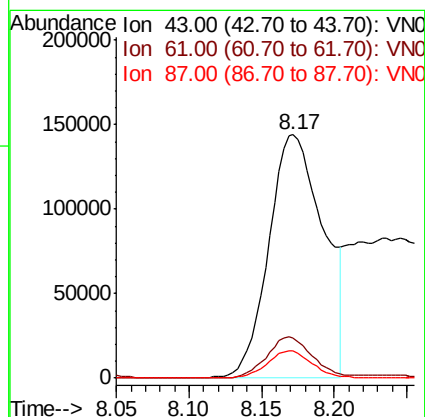
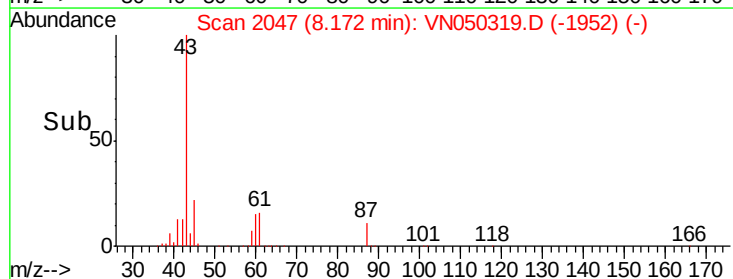
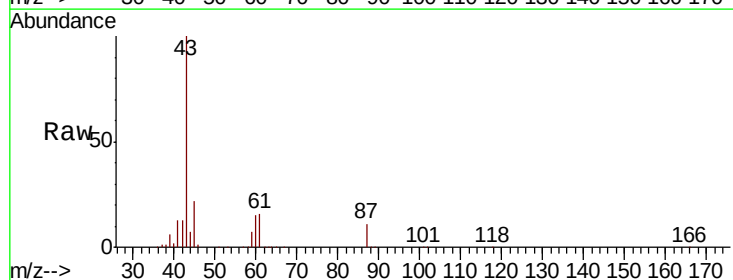
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 ClientSampleId :  
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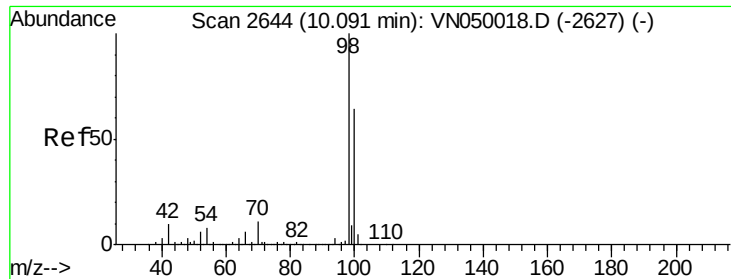
Tot Ion:113 Resp: 405374  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 80.7 121.1  
 192 22.0 17.8 26.6



#43  
 Isopropyl Acetate  
 Concen: 22.97 ug/l  
 RT: 8.17 min Scan# 2047  
 Delta R.T. 0.00 min  
 Lab File: VN050319.D  
 Acq: 3 Aug 2018 17:52

Tgt Ion: 43 Resp: 377450  
 Ion Ratio Lower Upper  
 43 100  
 61 14.5 15.8 23.6#  
 87 9.2 10.3 15.5#

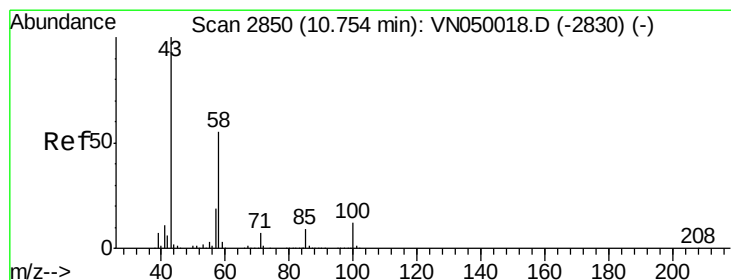
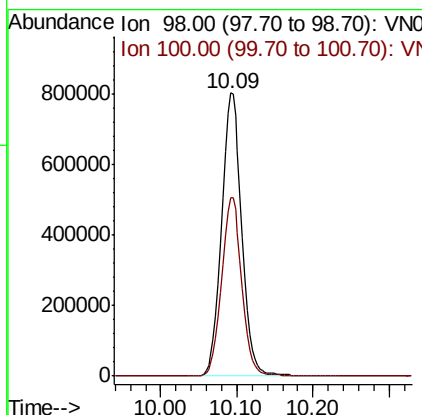
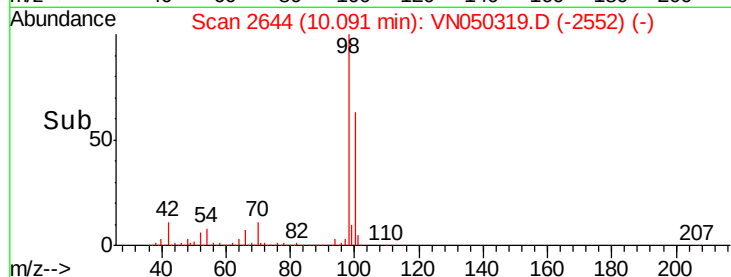
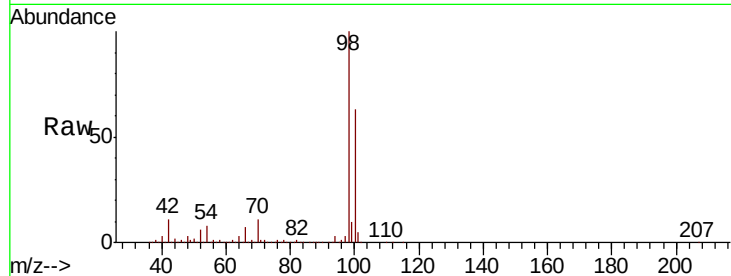




#50  
Toluene-d8  
Concen: 45.62 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VN050319.D  
Acq: 3 Aug 2018 17:52

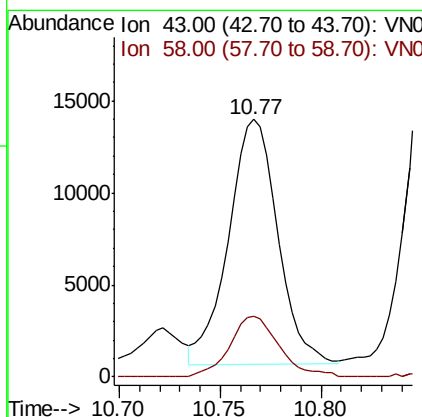
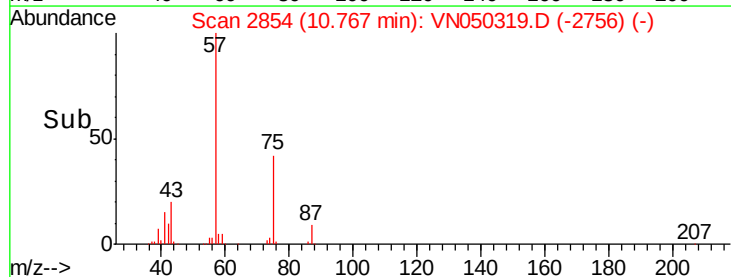
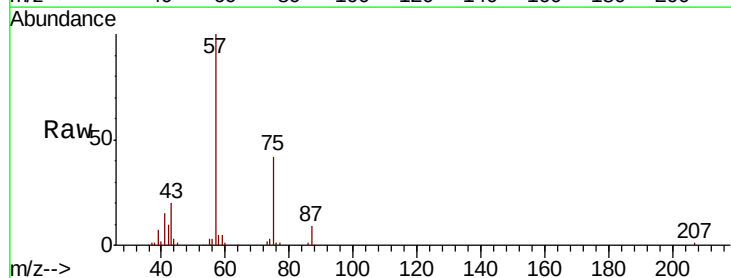
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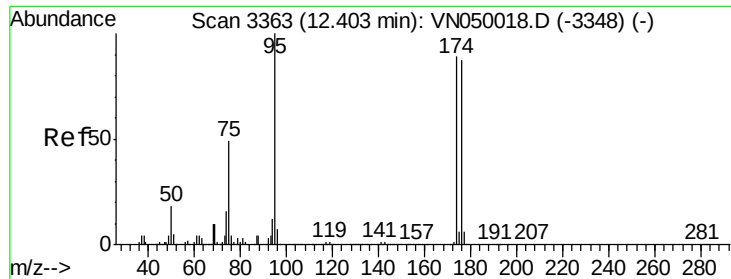
Tot Ion: 98 Resp: 1480884  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.7 76.1



#59  
2-Hexanone  
Concen: 8.81 ug/l  
RT: 10.77 min Scan# 2854  
Delta R.T. 0.01 min  
Lab File: VN050319.D  
Acq: 3 Aug 2018 17:52

Tgt Ion: 43 Resp: 22795  
Ion Ratio Lower Upper  
43 100  
58 24.8 27.6 82.7#

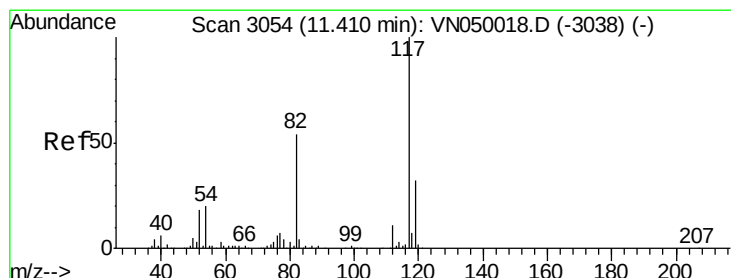
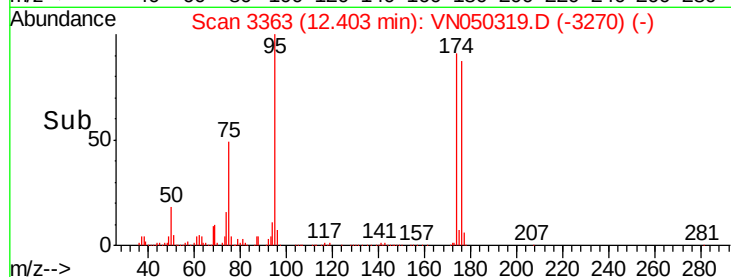
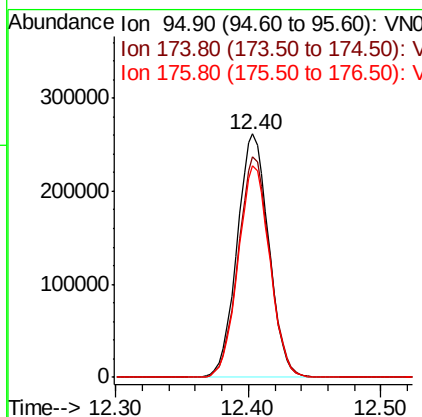
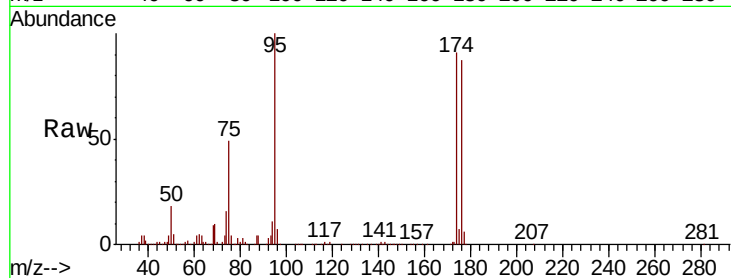




#62  
4-Bromofluorobenzene  
Concen: 40.44 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050319.D  
Acq: 3 Aug 2018 17:52

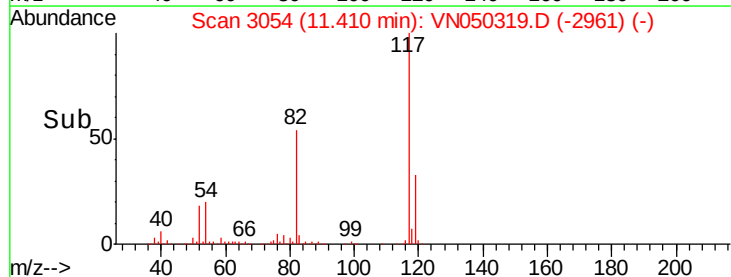
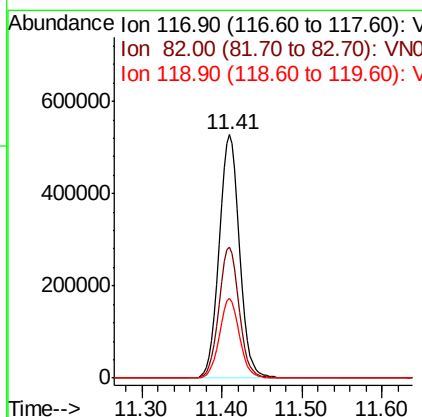
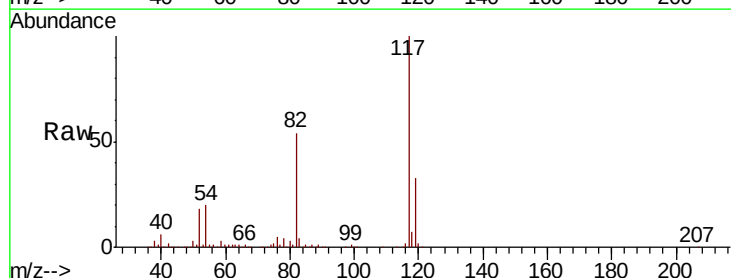
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Tot Ion: 95 Resp: 432209  
Ion Ratio Lower Upper  
95 100  
174 90.8 0.0 178.2  
176 87.0 0.0 173.4

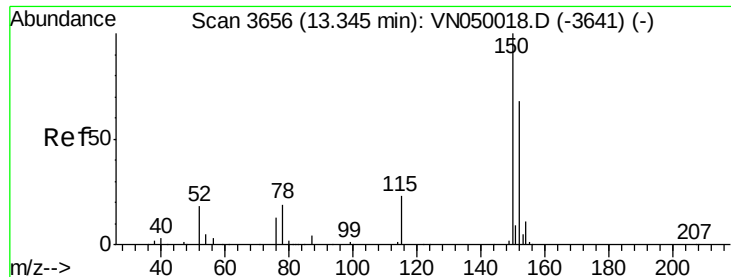


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050319.D  
Acq: 3 Aug 2018 17:52

Tgt Ion: 117 Resp: 930026  
Ion Ratio Lower Upper  
117 100  
82 54.0 43.7 65.5  
119 32.7 26.1 39.1







#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050319.D

Acq: 3 Aug 2018 17:52

Instrument :

MSVOA\_N

ClientSampleId :

PB111719ZHE#04

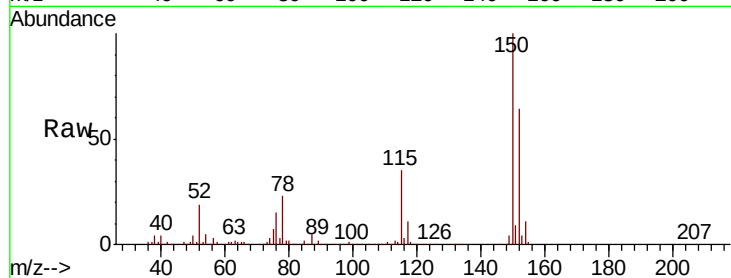
Tot Ion:152 Resp: 396632

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.3

150 155.3 0.0 348.6



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

