

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\  
 Data File : VN054012.D  
 Acq On : 28 Feb 2019 18:47  
 Operator : JC/SP  
 Sample : K1647-05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 44766

Quant Time: Mar 01 05:40:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 28 04:05:45 2019  
 Response via : Initial Calibration

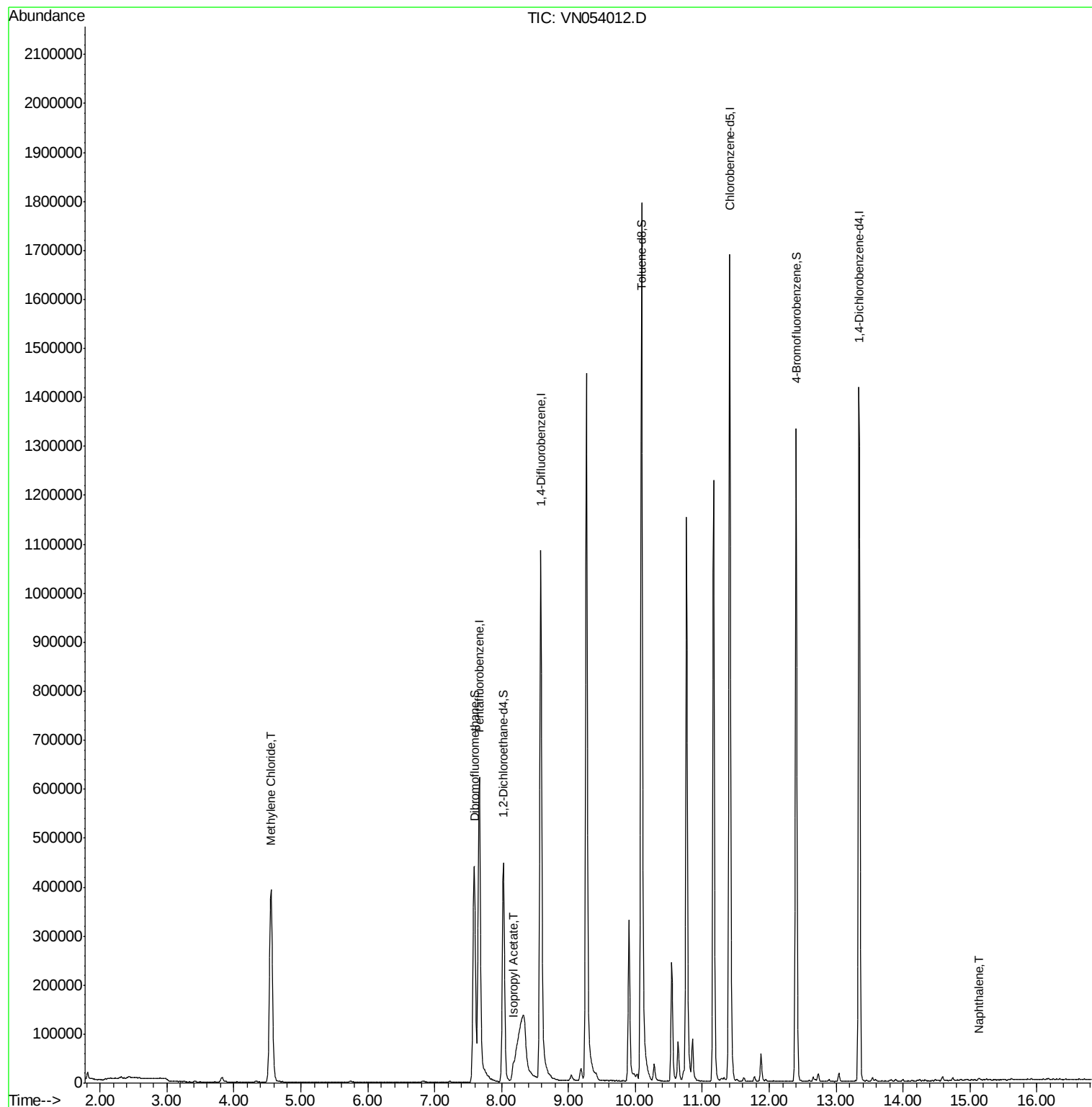
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 592624   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1093752  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1074224  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 401521   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 383637   | 55.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.44% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 352501   | 49.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.68%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1389713  | 52.78  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.56% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 465363   | 53.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.10% |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 4.55  | 84   | 300110   | 43.649 | ug/l    | 89       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 33437    | 2.727  | ug/l #  | 88       |
| 95) Naphthalene             | 15.14 | 128  | 4038     | 3.449  | ug/l #  | 89       |

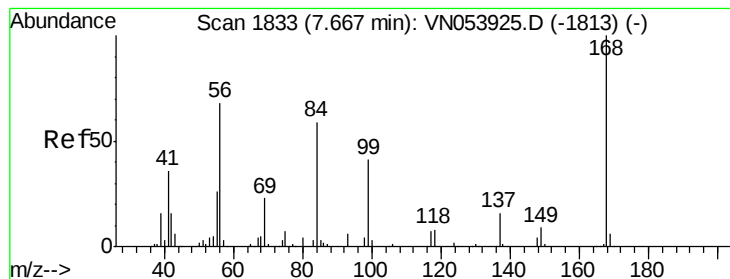
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022819\  
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Quant Title : SW846 8260  
QLast Update : Thu Feb 28 04:05:45 2019  
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: VN054012.D

Acq: 28 Feb 2019 18:47

Instrument :

MSVOA\_N

ClientSampleId :

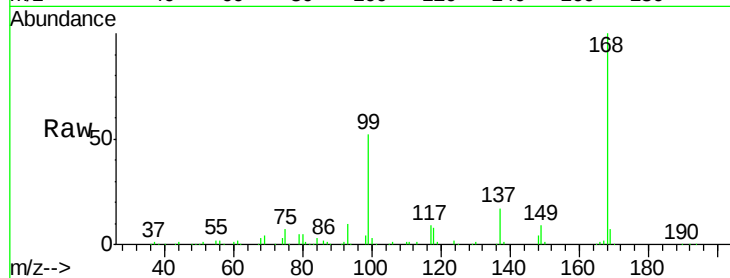
44766

Tot Ion:168 Resp: 592624

Ion Ratio Lower Upper

168 100

99 52.1 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

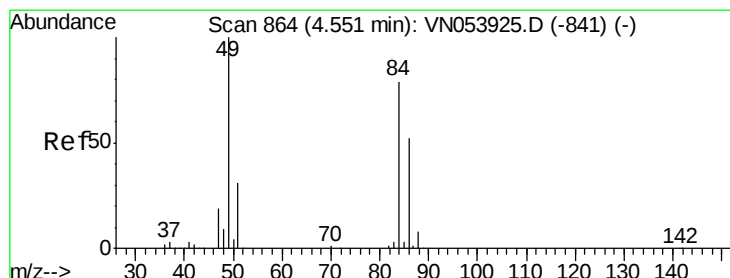
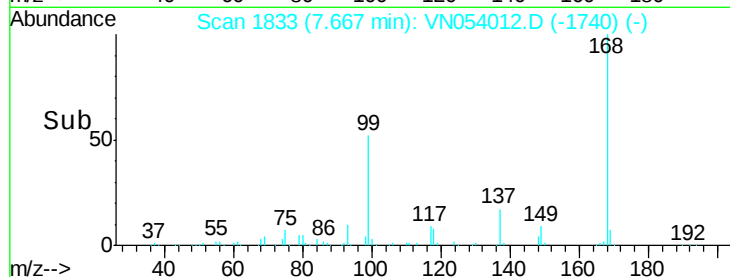
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#20

Methylene Chloride

Concen: 43.649 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN054012.D

Acq: 28 Feb 2019 18:47

Tgt Ion: 84 Resp: 300110

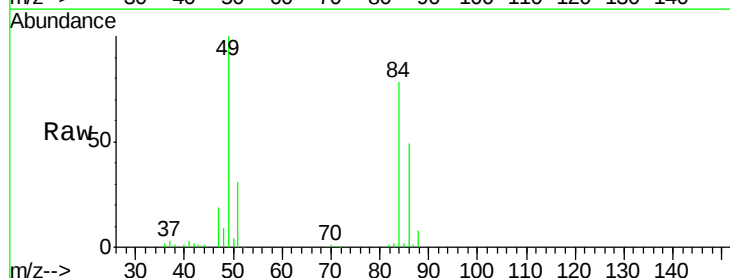
Ion Ratio Lower Upper

84 100

49 128.9 89.7 134.5

51 40.3 27.8 41.8

86 62.5 51.3 76.9



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

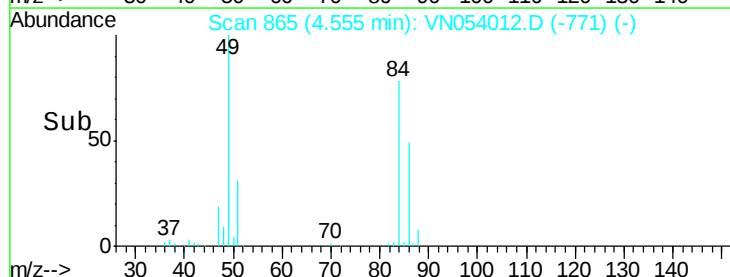
150000

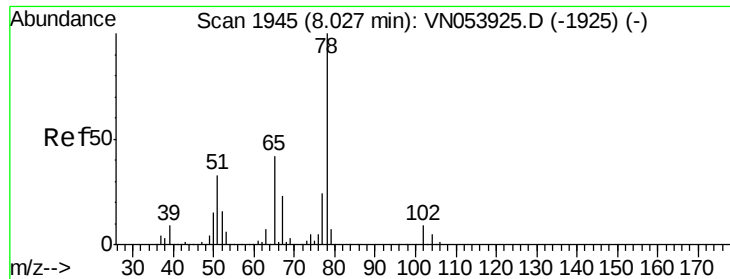
100000

50000

0

Time--> 4.40 4.50 4.60 4.70

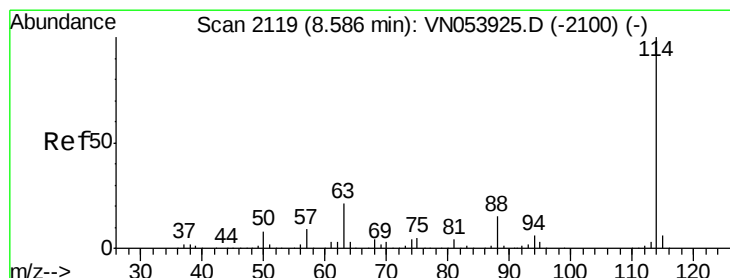
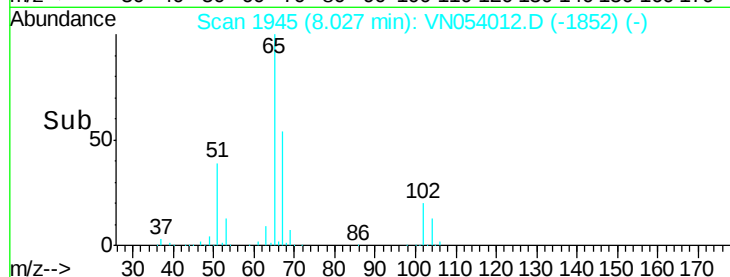
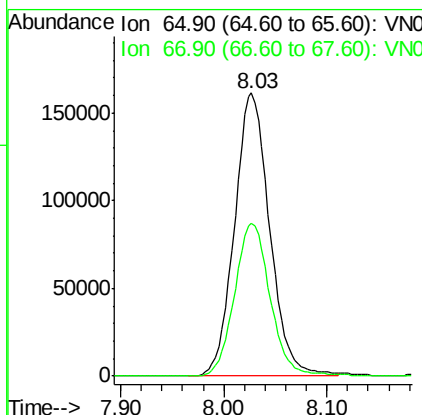
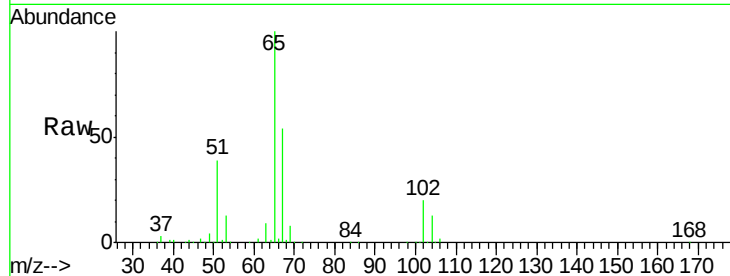




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.224 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN054012.D  
 Acq: 28 Feb 2019 18:47

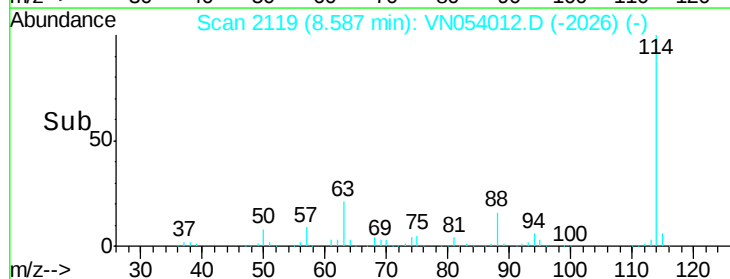
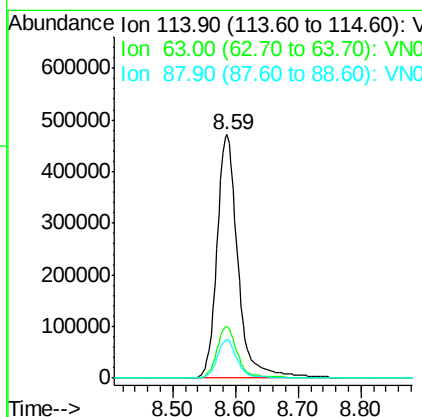
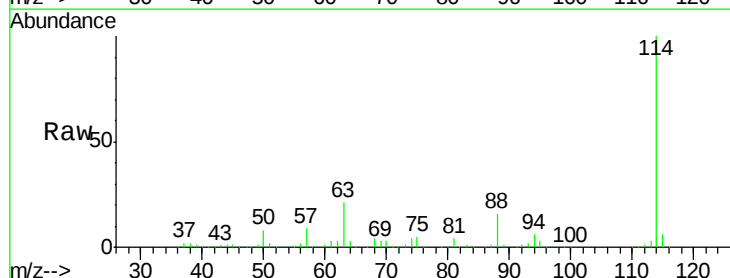
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 44766

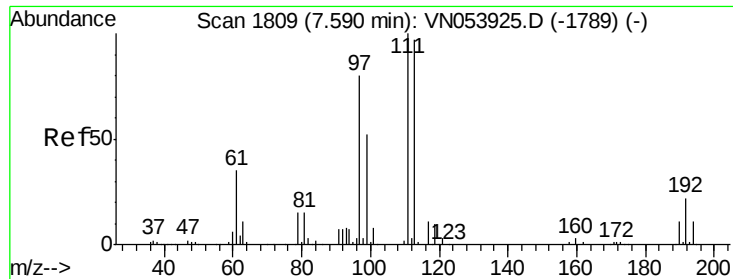
Tot Ion: 65 Resp: 383637  
 Ion Ratio Lower Upper  
 65 100  
 67 54.6 0.0 111.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN054012.D  
 Acq: 28 Feb 2019 18:47

Tgt Ion: 114 Resp: 1093752  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 37.4  
 88 16.0 0.0 30.4

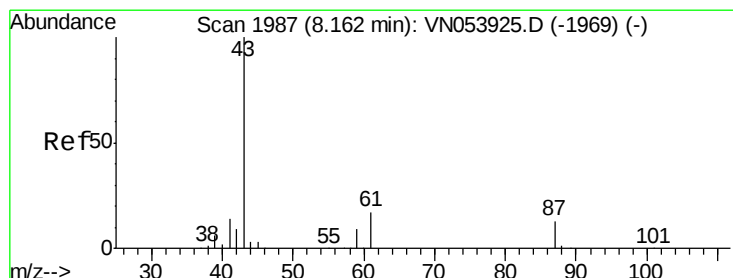
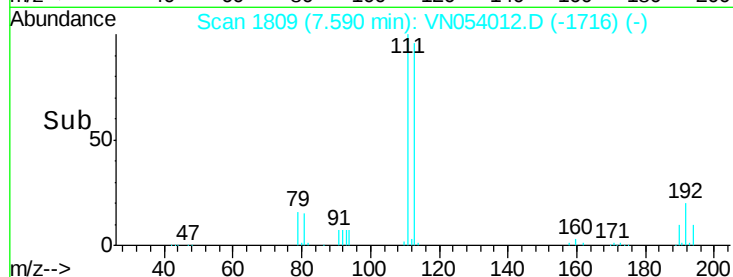
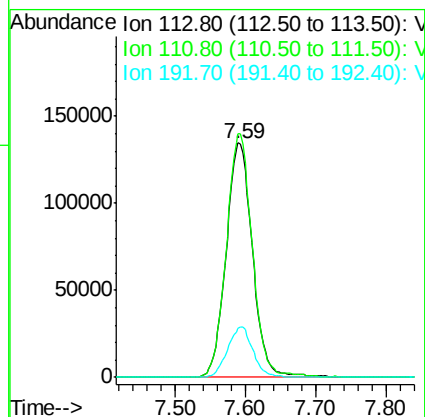
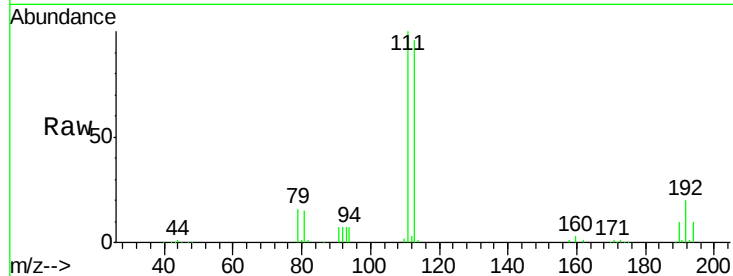




#35  
 Dibromofluoromethane  
 Concen: 49.839 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN054012.D  
 Acq: 28 Feb 2019 18:47

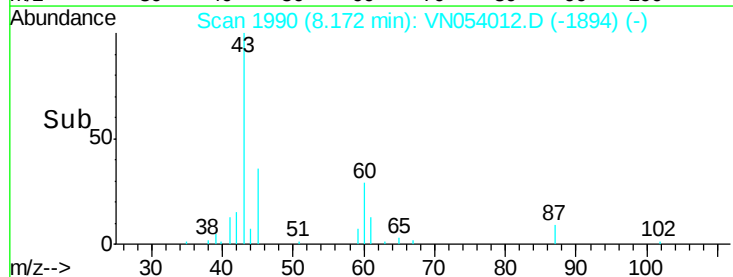
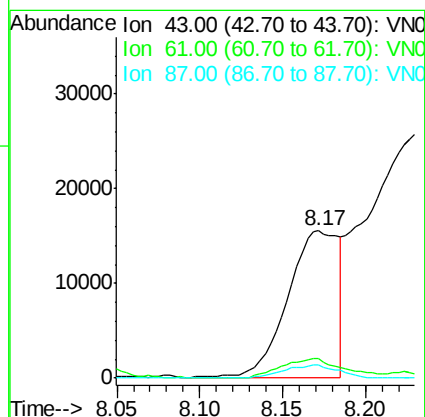
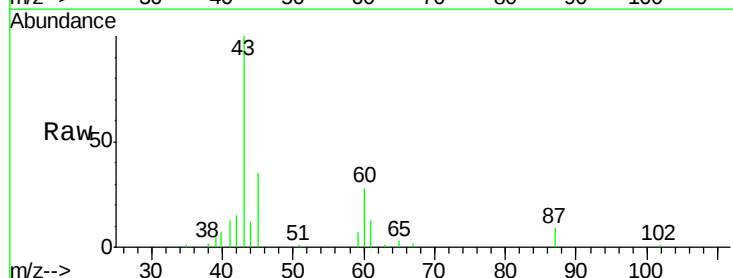
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 44766

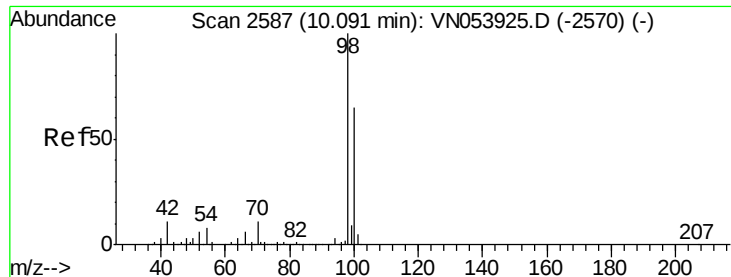
Tot Ion:113 Resp: 352501  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 81.1 121.7  
 192 20.8 18.8 28.2



#43  
 Isopropyl Acetate  
 Concen: 2.727 ug/l  
 RT: 8.17 min Scan# 1990  
 Delta R.T. 0.01 min  
 Lab File: VN054012.D  
 Acq: 28 Feb 2019 18:47

Tgt Ion: 43 Resp: 33437  
 Ion Ratio Lower Upper  
 43 100  
 61 16.1 17.4 26.0#  
 87 9.5 11.5 17.3#





#50

Toluene-d8

Concen: 52.782 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054012.D

Acq: 28 Feb 2019 18:47

Instrument :

MSVOA\_N

ClientSampleId :

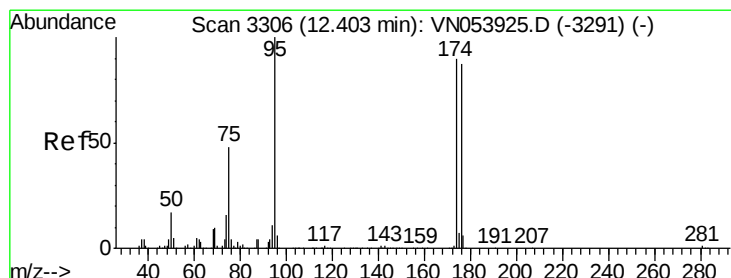
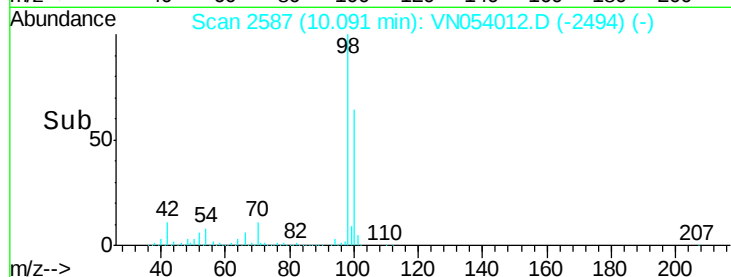
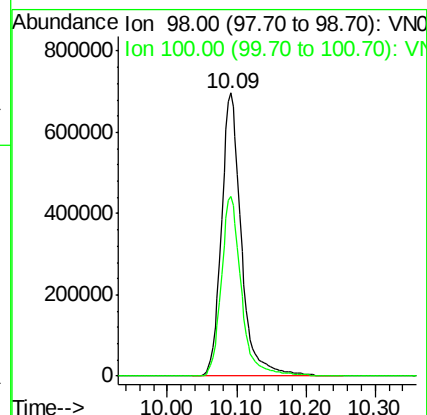
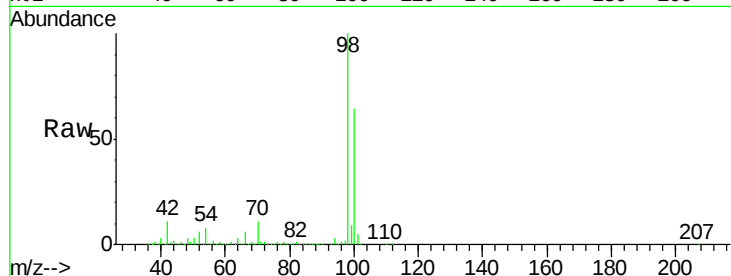
44766

Tot Ion: 98 Resp: 1389713

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 53.051 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054012.D

Acq: 28 Feb 2019 18:47

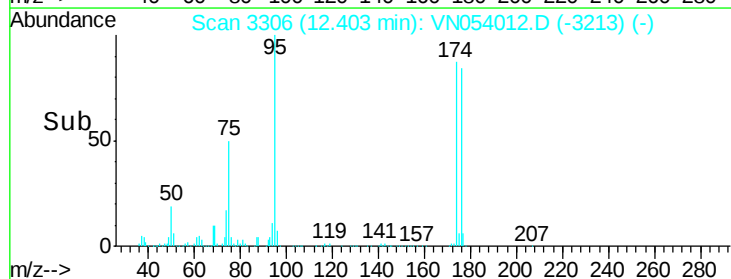
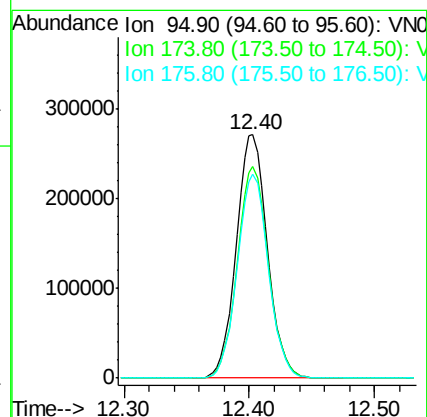
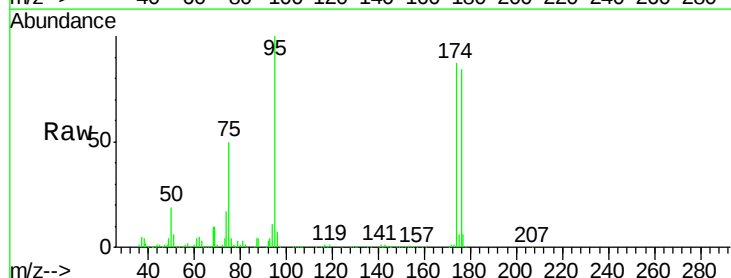
Tgt Ion: 95 Resp: 465363

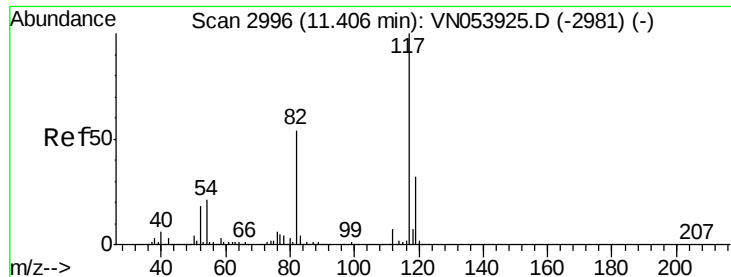
Ion Ratio Lower Upper

95 100

174 86.8 0.0 188.8

176 84.0 0.0 182.6

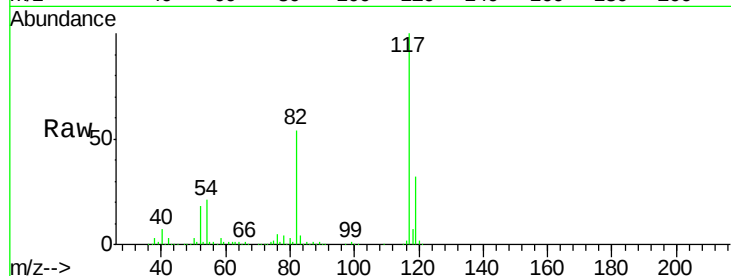




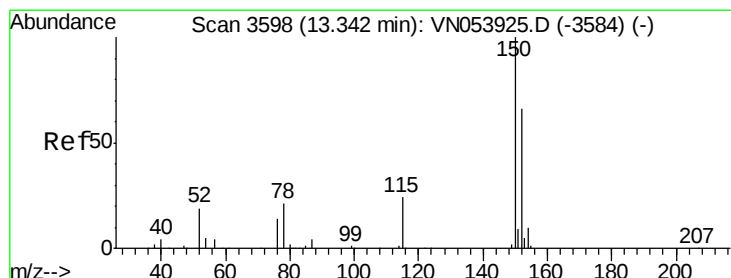
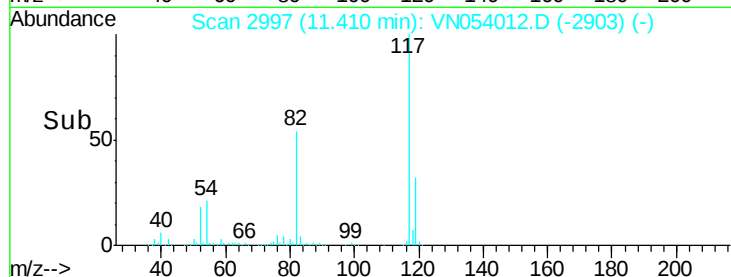
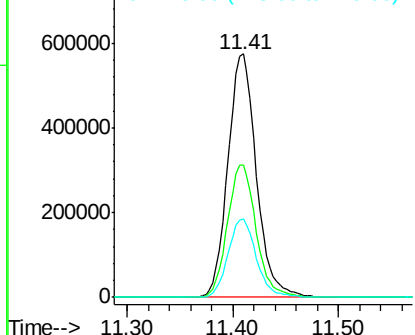
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN054012.D  
Acq: 28 Feb 2019 18:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
44766

Tot Ion:117 Resp: 1074224  
Ion Ratio Lower Upper  
117 100  
82 54.4 41.4 62.2  
119 32.0 25.3 37.9

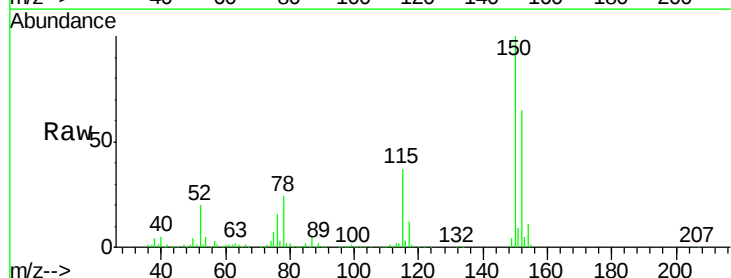


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

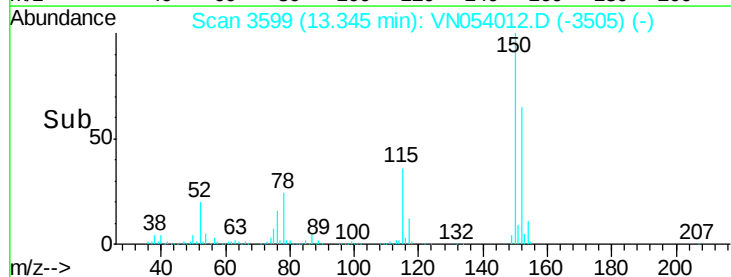
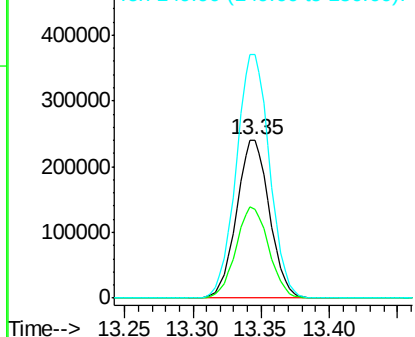


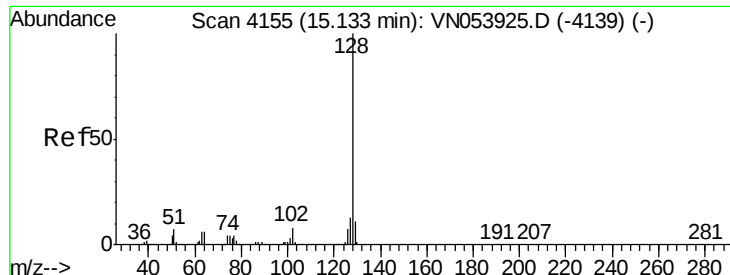
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN054012.D  
Acq: 28 Feb 2019 18:47

Tgt Ion:152 Resp: 401521  
Ion Ratio Lower Upper  
152 100  
115 57.7 27.2 81.6  
150 156.4 0.0 348.2



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





#95

Naphthalene

Concen: 3.449 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054012.D

Acq: 28 Feb 2019 18:47

Instrument :

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ClientSampleId :

44766

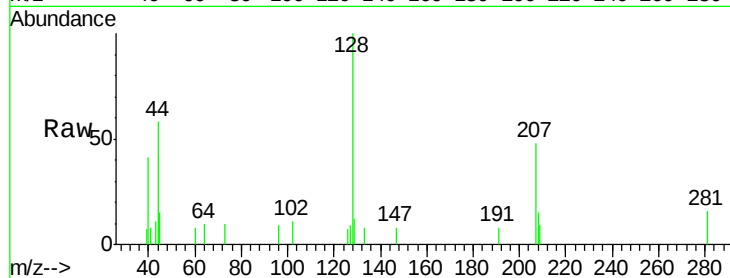
Tot Ion:128 Resp: 4038

Ion Ratio Lower Upper

128 100

127 5.5 10.2 15.2#

129 9.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

