

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\  
 Data File : VN050680.D  
 Acq On : 16 Aug 2018 2:46  
 Operator : MD\SY  
 Sample : J4471-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-1

Quant Time: Aug 16 05:19:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 14 08:07:08 2018  
 Response via : Initial Calibration

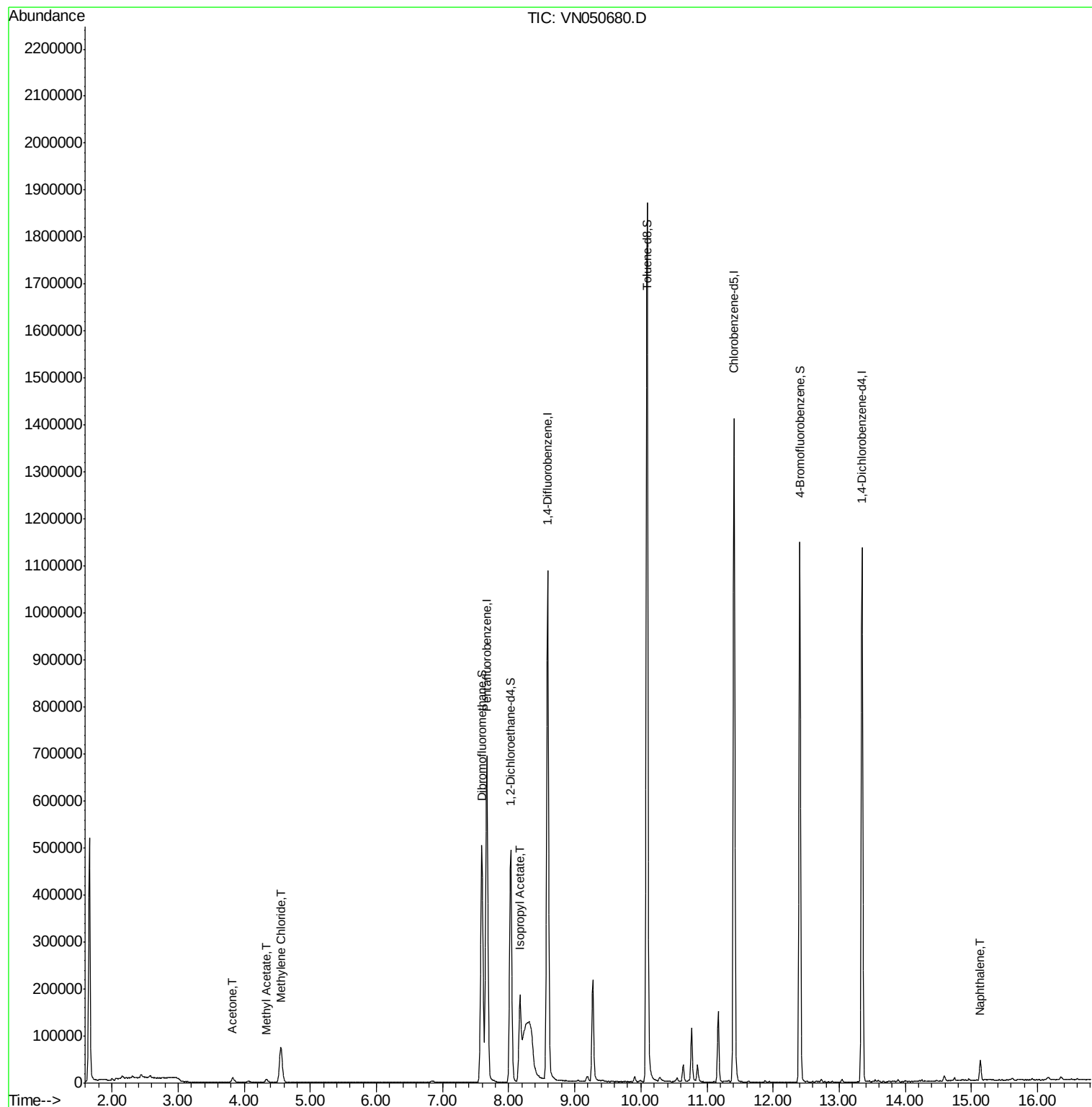
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 602100   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1018389  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 867519   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 325799   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 419963   | 55.33 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.66% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 389077   | 47.85 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.70%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1376710  | 44.99 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.98%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 383951   | 37.98 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 75.96%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 17385    | 7.77  | ug/l    | 97       |
| 18) Methyl Acetate          | 4.34  | 43   | 12342    | 1.35  | ug/l #  | 66       |
| 20) Methylene Chloride      | 4.55  | 84   | 58573    | 7.03  | ug/l    | 99       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 232347   | 19.90 | ug/l    | 96       |
| 95) Naphthalene             | 15.13 | 128  | 36595    | 6.56  | ug/l    | 99       |

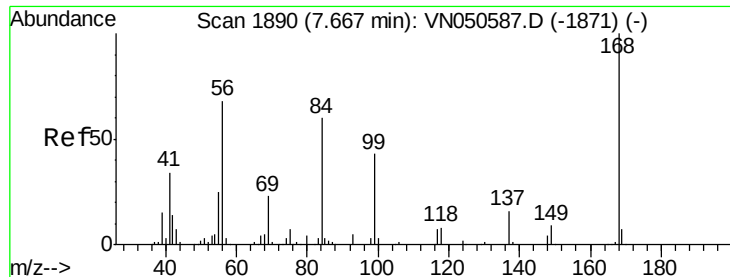
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081518\  
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TP-1

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N081418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 14 08:07:08 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050680.D

Acq: 16 Aug 2018 2:46

Instrument :

MSVOA\_N

ClientSampled :

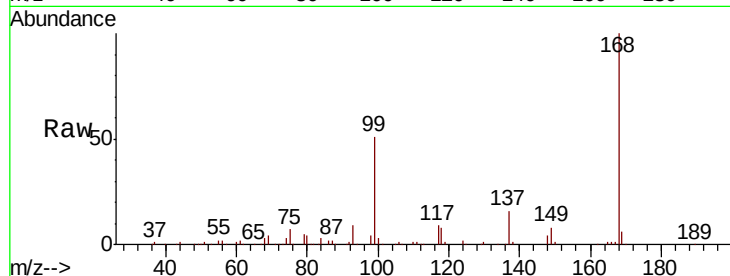
TP-1

Tot Ion:168 Resp: 602100

Ion Ratio Lower Upper

168 100

99 50.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

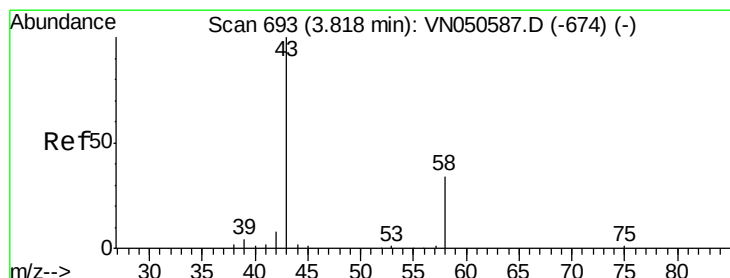
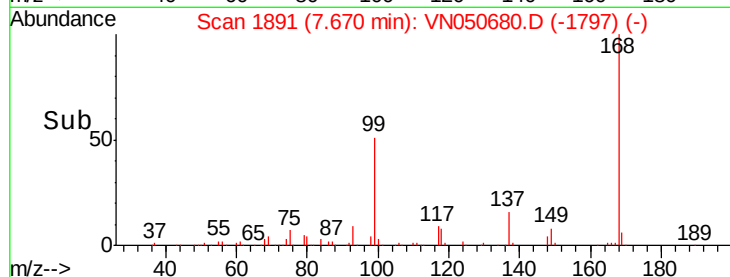
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.77 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050680.D

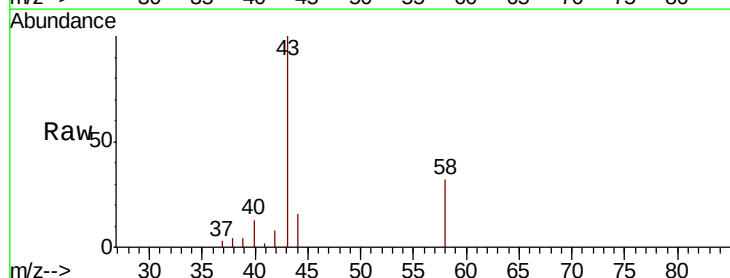
Acq: 16 Aug 2018 2:46

Tgt Ion: 43 Resp: 17385

Ion Ratio Lower Upper

43 100

58 32.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-674) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-674) (-)

3.82

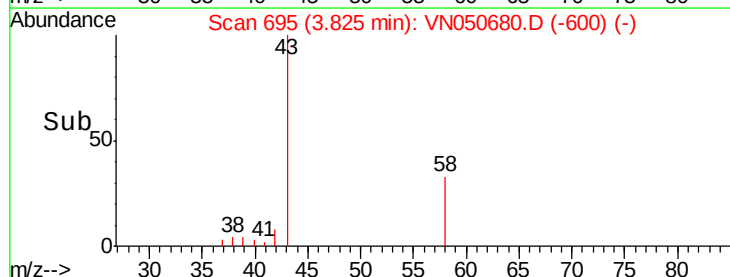
6000

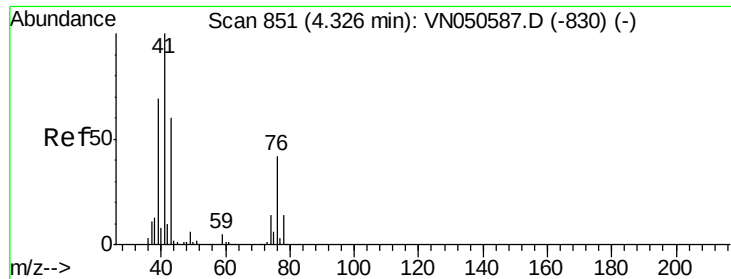
4000

2000

0

Time-->

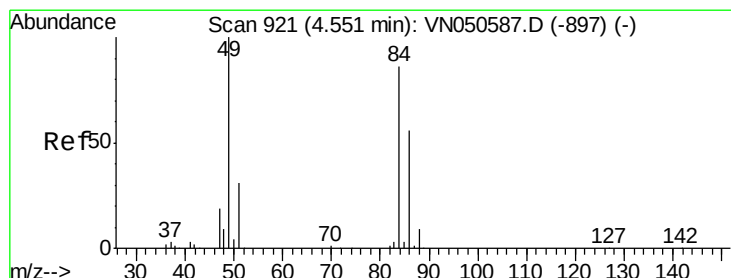
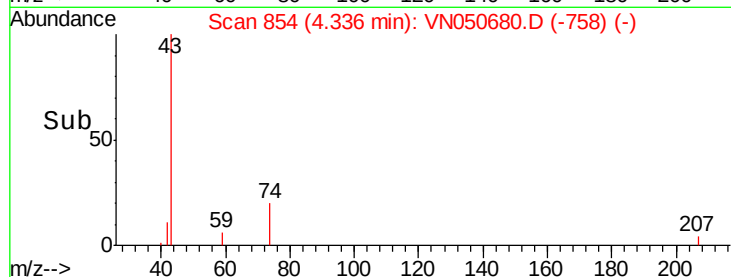
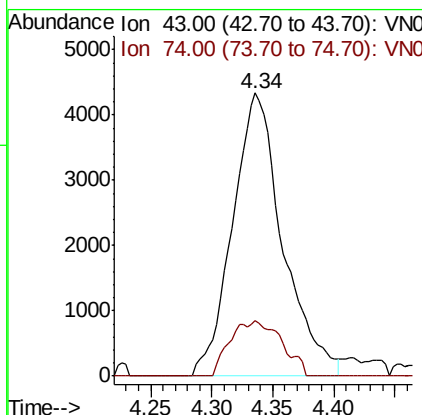
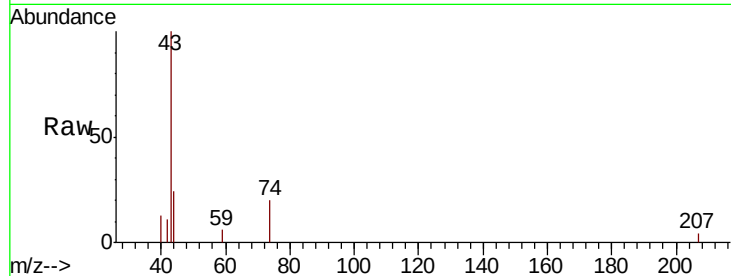




#18  
Methvl Acetate  
Concen: 1.35 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN050680.D  
Acq: 16 Aug 2018 2:46

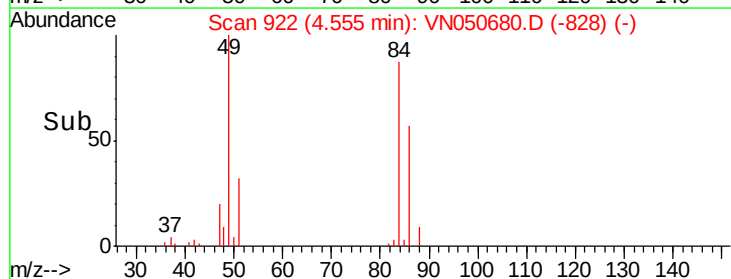
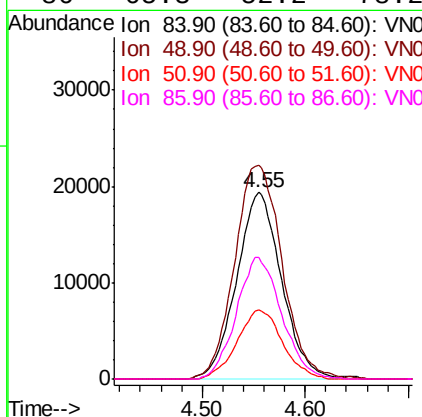
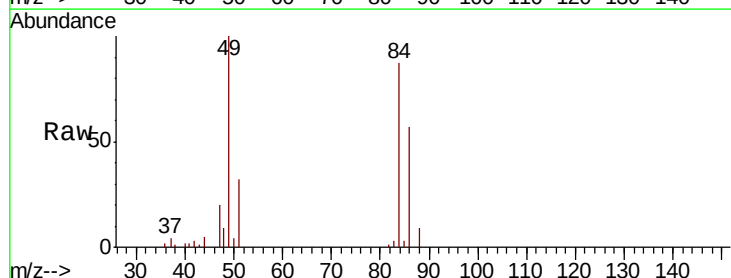
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-1

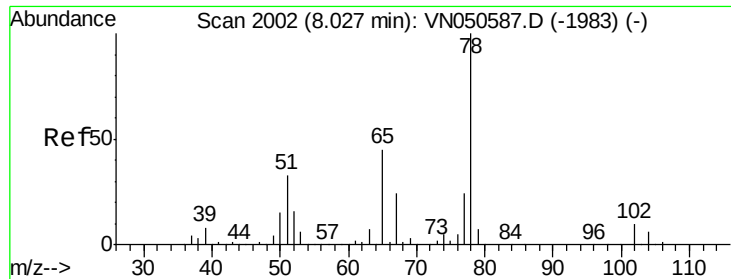
Tot Ion: 43 Resp: 12342  
Ion Ratio Lower Upper  
43 100  
74 7.9 19.7 29.5#



#20  
Methylene Chloride  
Concen: 7.03 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN050680.D  
Acq: 16 Aug 2018 2:46

Tgt Ion: 84 Resp: 58573  
Ion Ratio Lower Upper  
84 100  
49 114.4 92.6 138.8  
51 37.1 28.6 43.0  
86 65.3 52.2 78.2

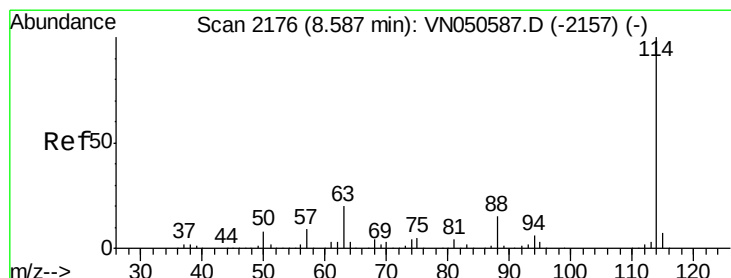
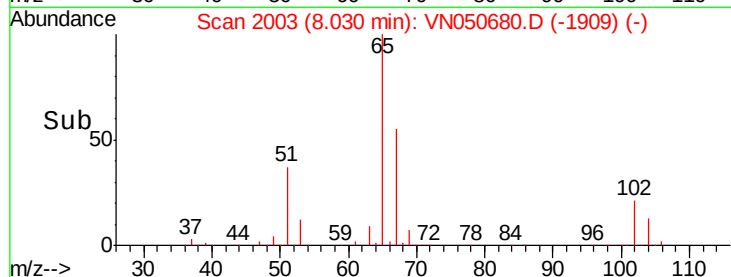
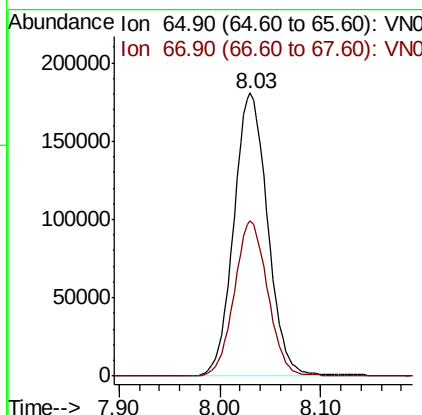
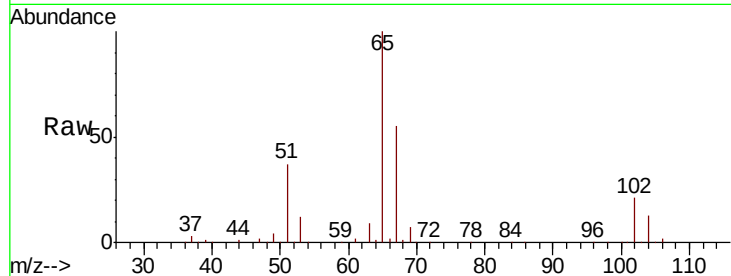




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.33 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050680.D  
 Acq: 16 Aug 2018 2:46

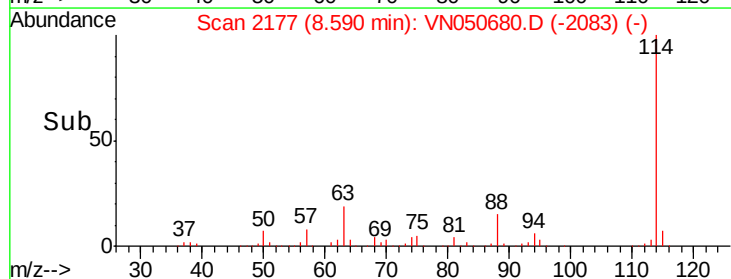
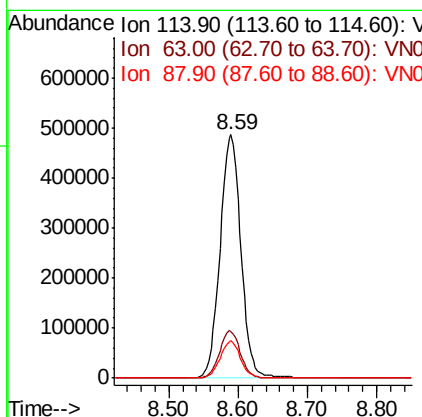
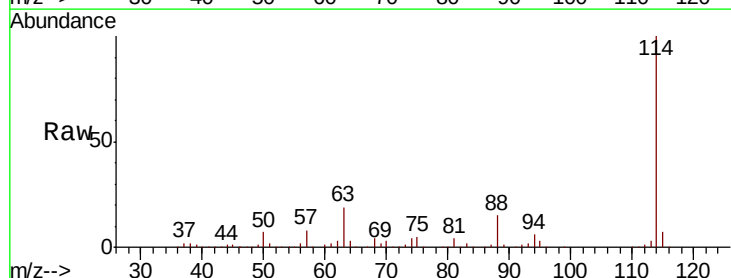
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-1

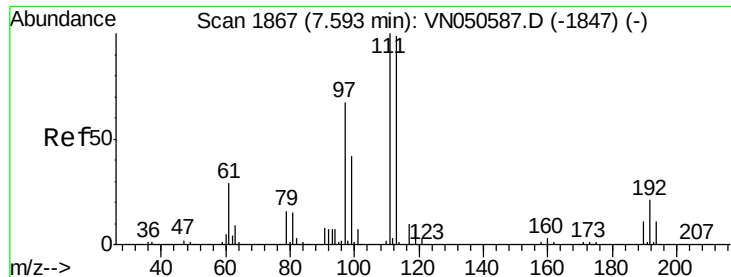
Tot Ion: 65 Resp: 419963  
 Ion Ratio Lower Upper  
 65 100  
 67 54.3 0.0 109.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050680.D  
 Acq: 16 Aug 2018 2:46

Tgt Ion: 114 Resp: 1018389  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 40.0  
 88 15.2 0.0 30.8

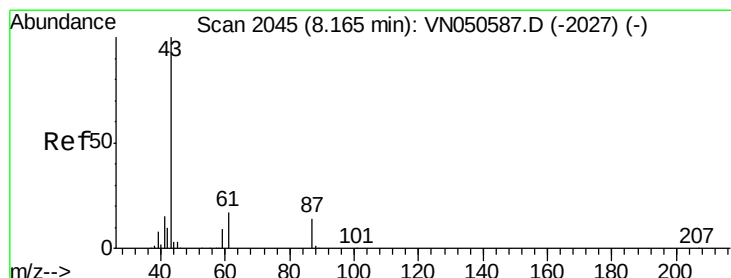
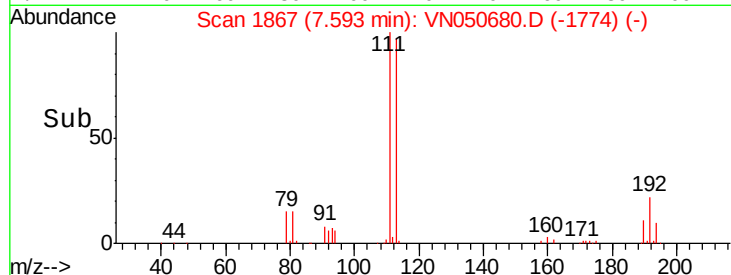
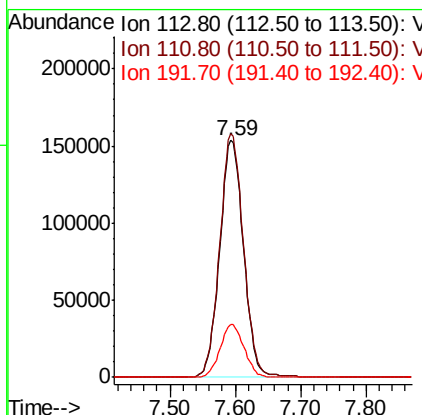
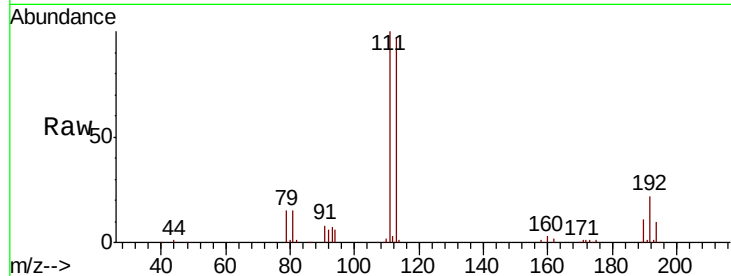




#35  
 Dibromofluoromethane  
 Concen: 47.85 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN050680.D  
 Acq: 16 Aug 2018 2:46

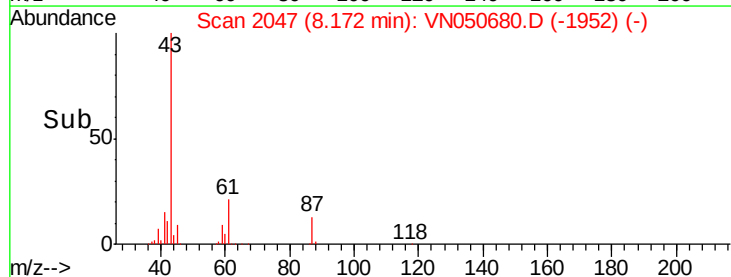
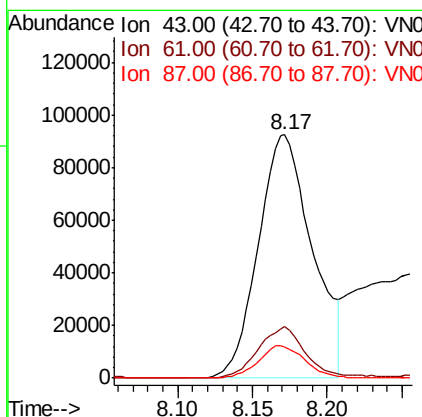
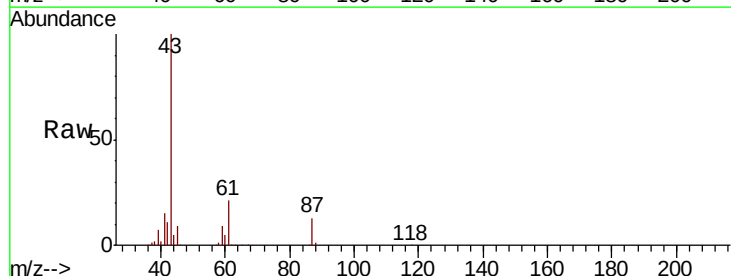
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-1

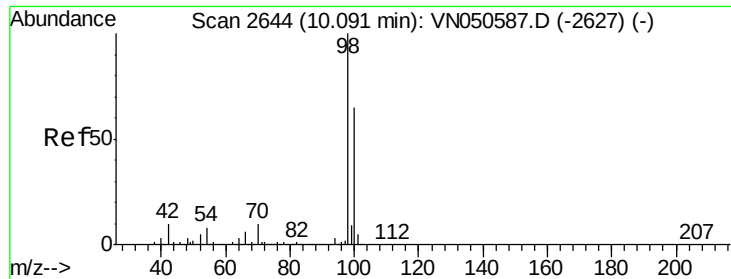
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.4 | 81.0  | 121.6 |
| 192     | 22.3  | 17.6  | 26.4  |



#43  
 Isopropyl Acetate  
 Concen: 19.90 ug/l  
 RT: 8.17 min Scan# 2047  
 Delta R.T. 0.01 min  
 Lab File: VN050680.D  
 Acq: 16 Aug 2018 2:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.7  | 16.2  | 24.2  |
| 87      | 11.4  | 10.9  | 16.3  |





#50

Toluene-d8

Concen: 44.99 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050680.D

Acq: 16 Aug 2018 2:46

Instrument :

MSVOA\_N

ClientSampleId :

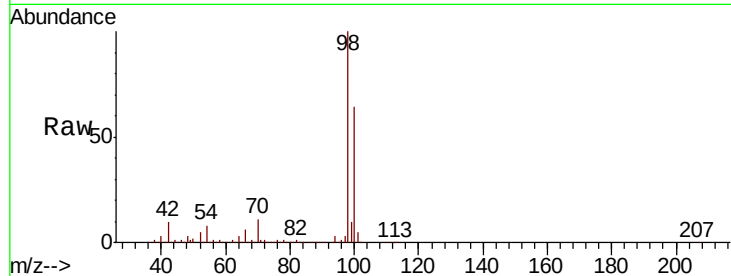
TP-1

Tot Ion: 98 Resp: 1376710

Ion Ratio Lower Upper

98 100

100 64.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN050587.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050587.D (-2627) (-)

10.09

800000

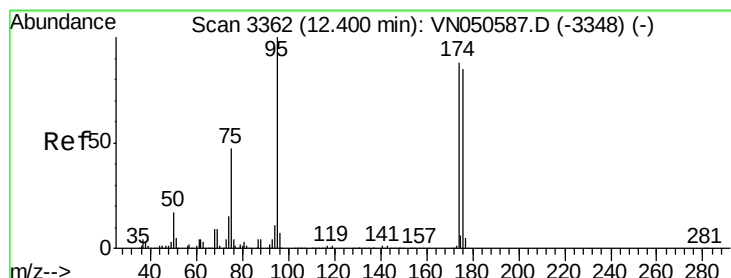
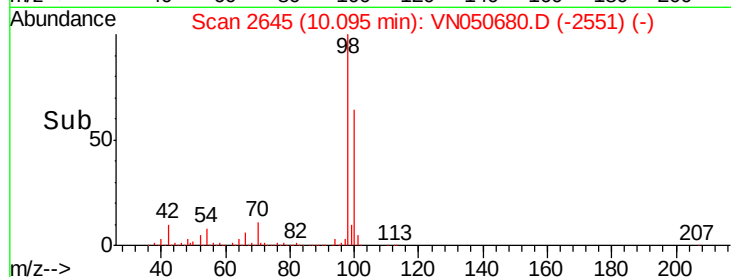
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 37.98 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050680.D

Acq: 16 Aug 2018 2:46

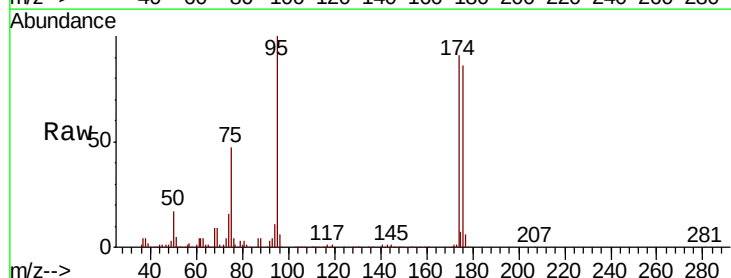
Tgt Ion: 95 Resp: 383951

Ion Ratio Lower Upper

95 100

174 91.8 0.0 177.8

176 88.0 0.0 175.0



Abundance Ion 94.90 (94.60 to 95.60): VN050587.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050587.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050587.D (-3348) (-)

12.40

300000

250000

200000

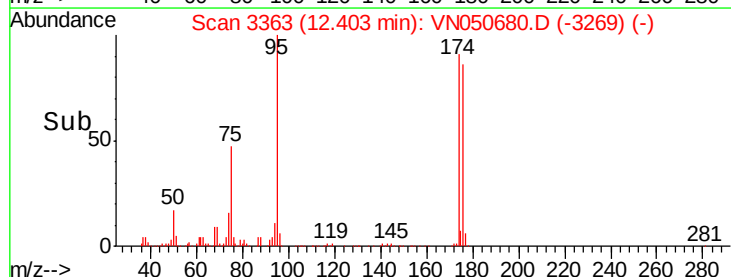
150000

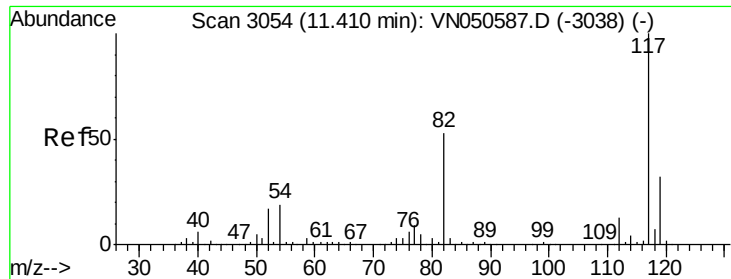
100000

50000

0

Time-->

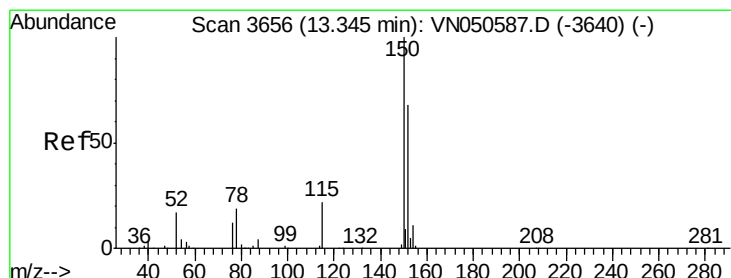
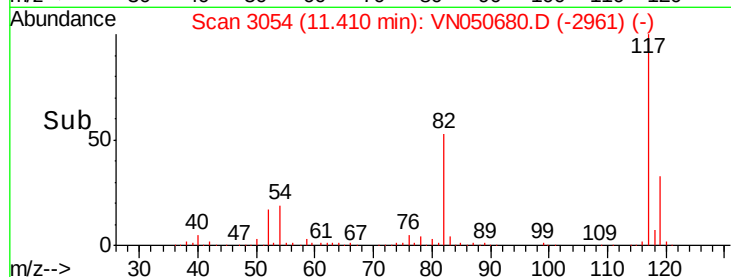
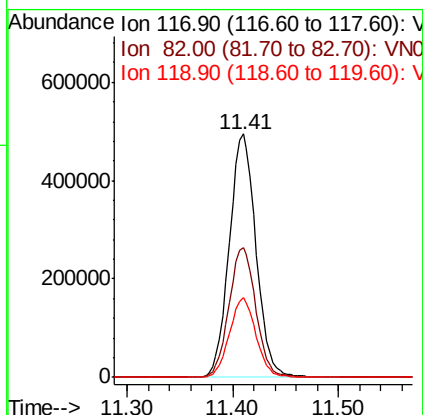
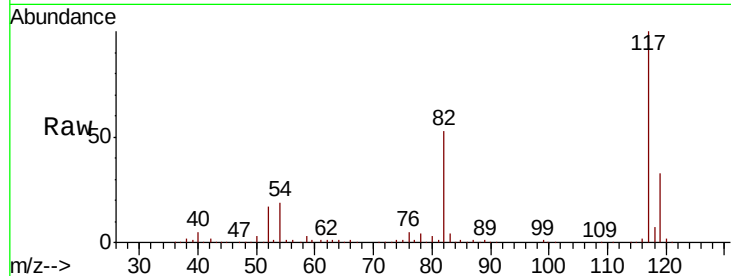




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN050680.D  
Acq: 16 Aug 2018 2:46

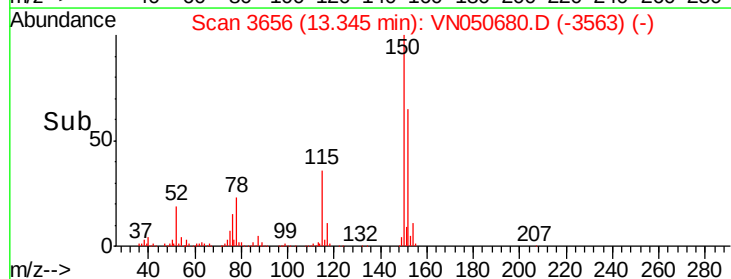
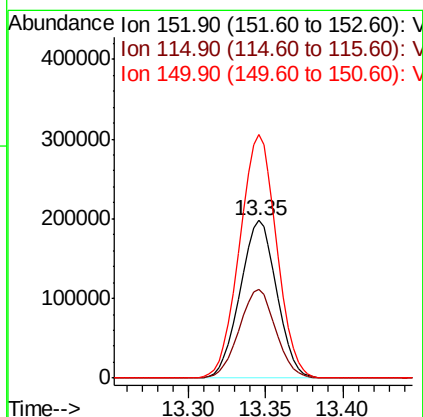
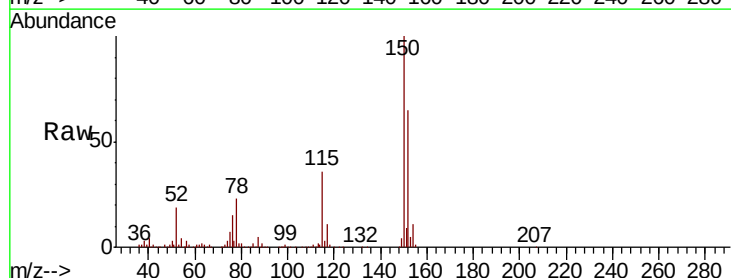
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-1

Tot Ion:117 Resp: 867519  
Ion Ratio Lower Upper  
117 100  
82 53.4 42.4 63.6  
119 32.5 25.8 38.8

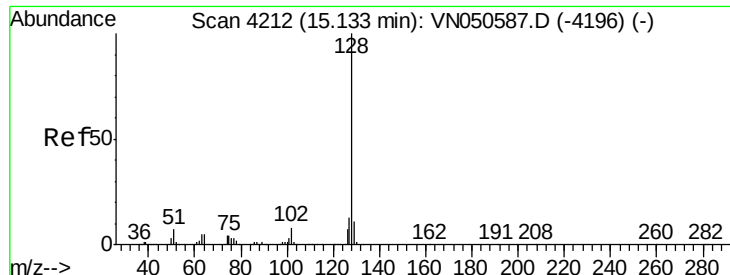


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. -0.00 min  
Lab File: VN050680.D  
Acq: 16 Aug 2018 2:46

Tgt Ion:152 Resp: 325799  
Ion Ratio Lower Upper  
152 100  
115 56.3 28.1 84.2  
150 155.9 0.0 347.8







#95

Naphthalene

Concen: 6.56 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050680.D

Acq: 16 Aug 2018 2:46

Instrument :

MSVOA\_N

ClientSampleId :

TP-1

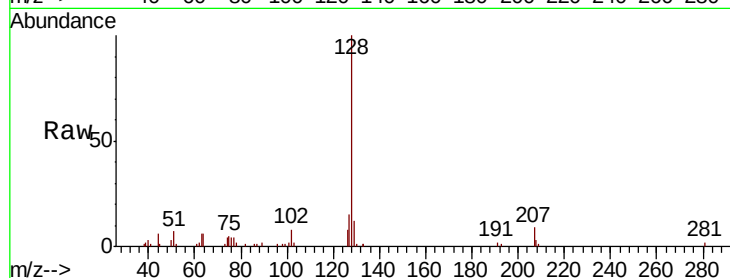
Tot Ion:128 Resp: 36595

Ion Ratio Lower Upper

128 100

127 13.8 10.3 15.5

129 10.5 8.5 12.7



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

