

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\  
 Data File : VN049807.D  
 Acq On : 13 Jul 2018 19:37  
 Operator : MD\SY  
 Sample : PB111069ZHE#10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111069ZHE#10

Quant Time: Jul 14 00:33:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 12 15:51:38 2018  
 Response via : Initial Calibration

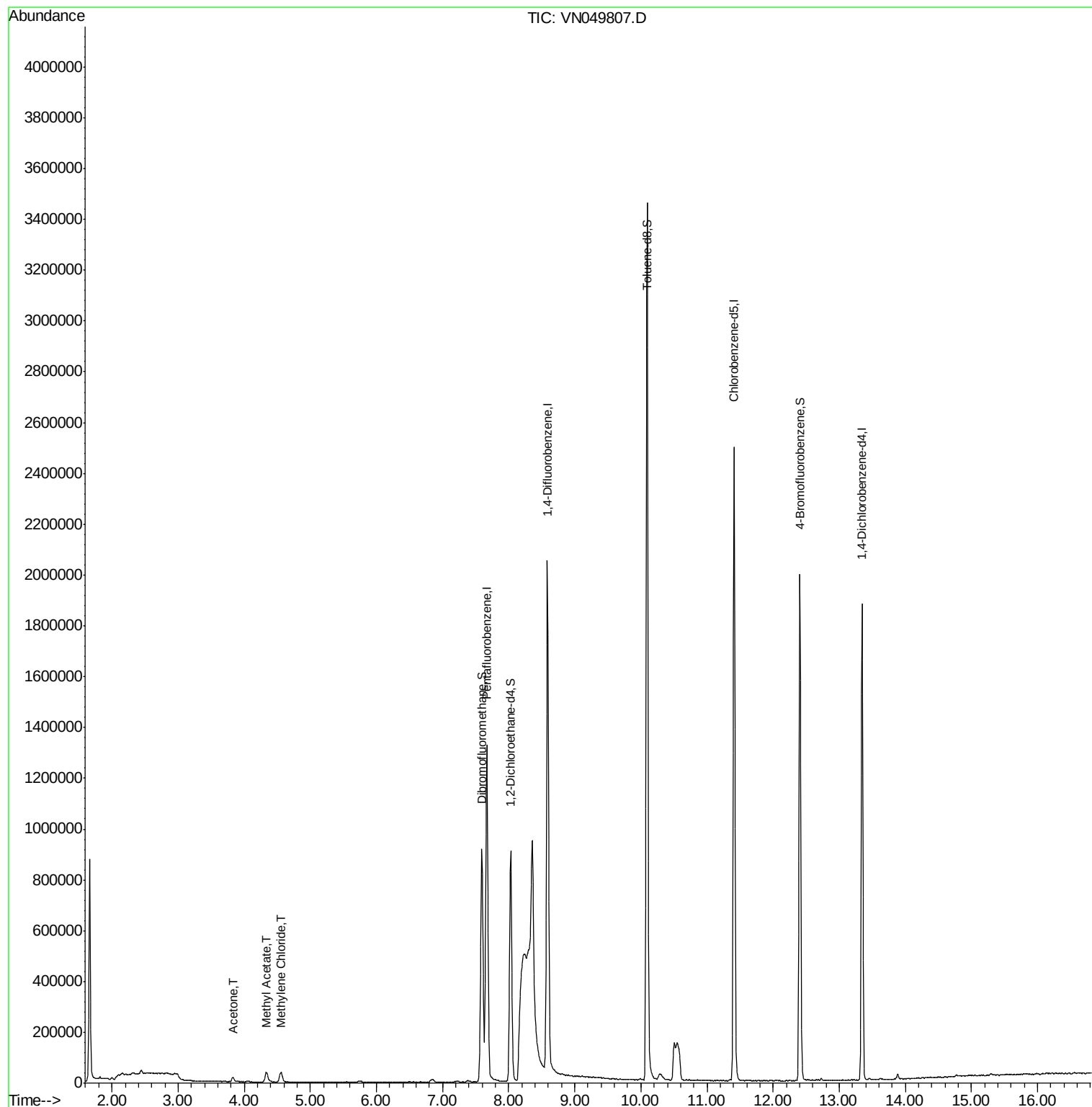
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1126254  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1874837  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1524081  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 530488   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 778228   | 59.40 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 118.80% |          |
| 35) Dibromofluoromethane    | 7.60  | 113  | 704808   | 49.87 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.74%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2503624  | 51.75 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.50% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 666154   | 38.56 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 77.12%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 28492    | 6.82  | ug/l    | 95       |
| 18) Methyl Acetate          | 4.33  | 43   | 74312    | 6.14  | ug/l    | 96       |
| 20) Methylene Chloride      | 4.55  | 84   | 30306    | 1.36  | ug/l    | 90       |

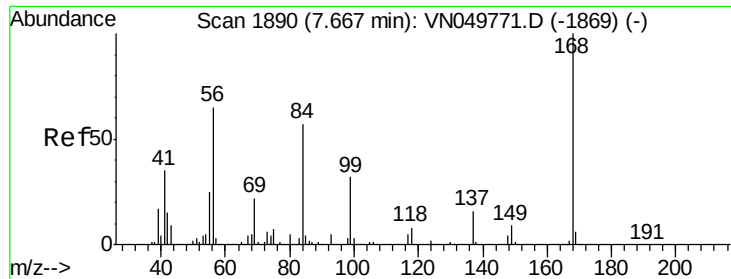
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071318\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N071218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 12 15:51:38 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: VN049807.D

Acq: 13 Jul 2018 19:37

Instrument :

MSVOA\_N

ClientSampleId :

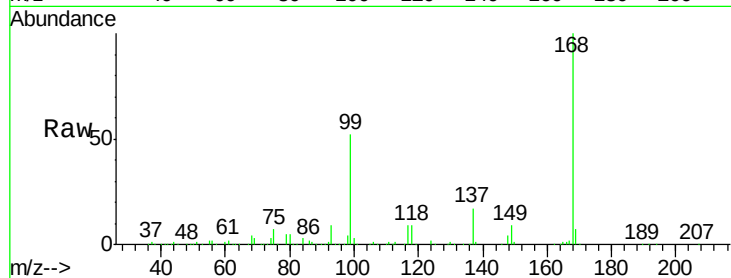
PB111069ZHE#10

Tot Ion:168 Resp: 1126254

Ion Ratio Lower Upper

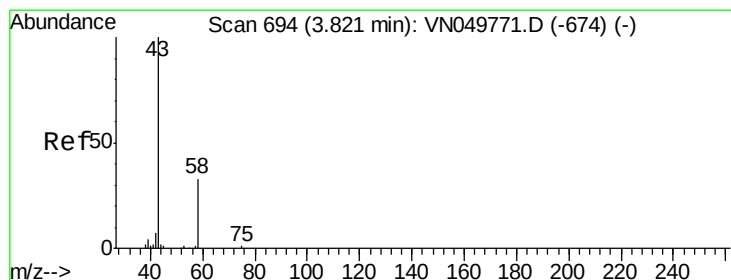
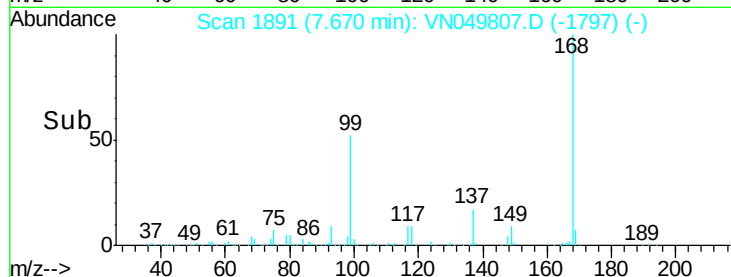
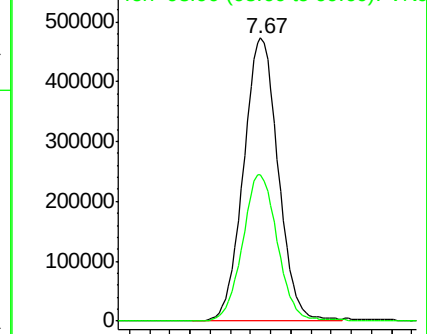
168 100

99 51.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 6.82 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049807.D

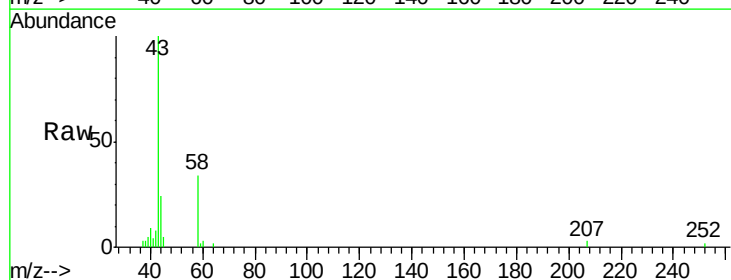
Acq: 13 Jul 2018 19:37

Tgt Ion: 43 Resp: 28492

Ion Ratio Lower Upper

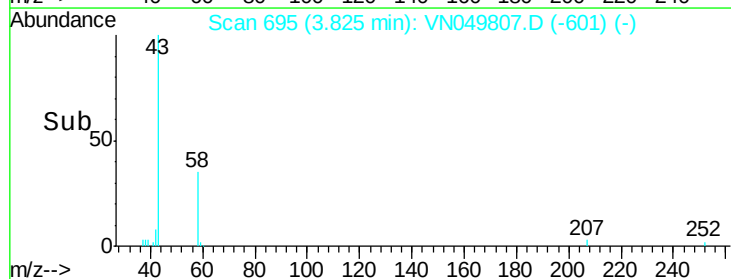
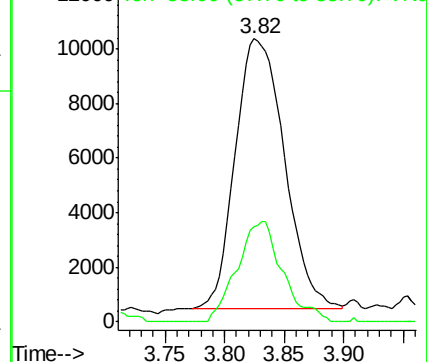
43 100

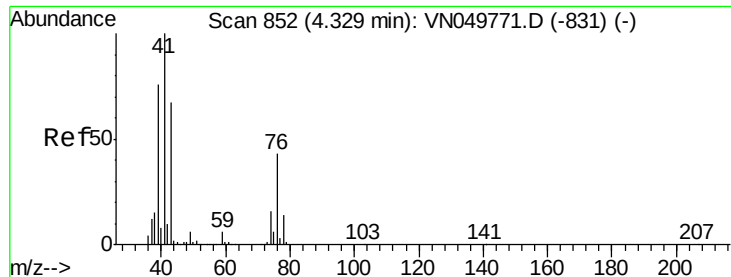
58 35.3 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

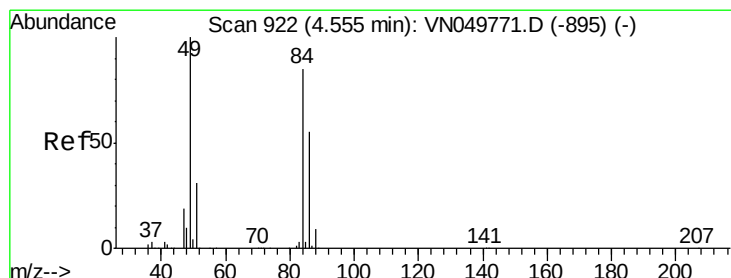
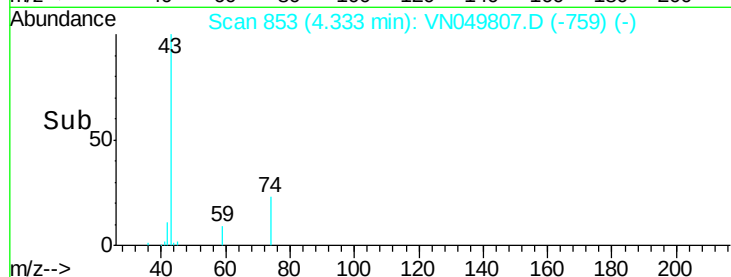
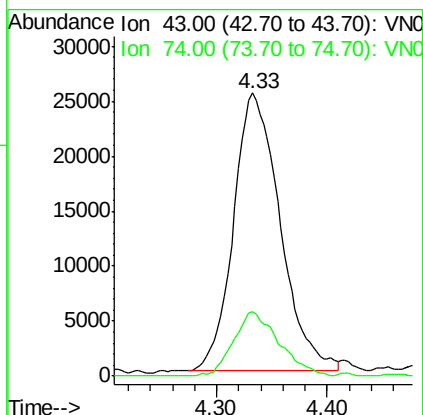
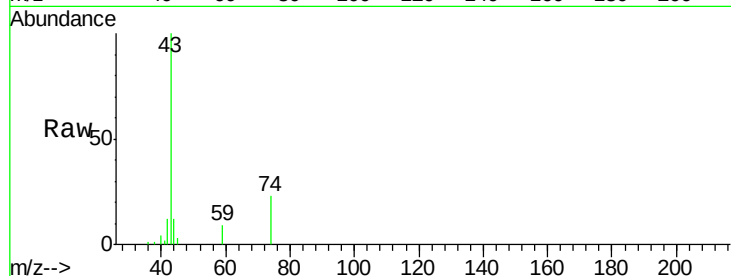




#18  
Methvl Acetate  
Concen: 6.14 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VN049807.D  
Acq: 13 Jul 2018 19:37

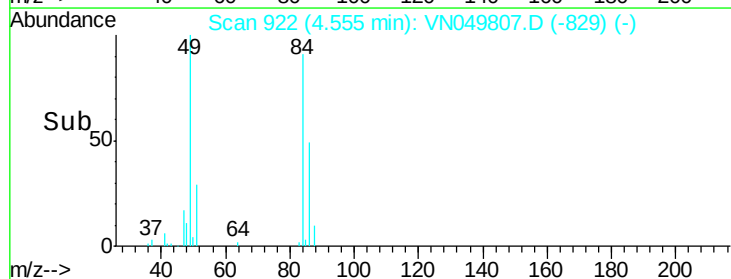
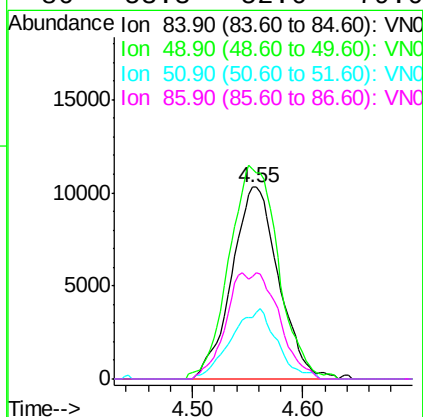
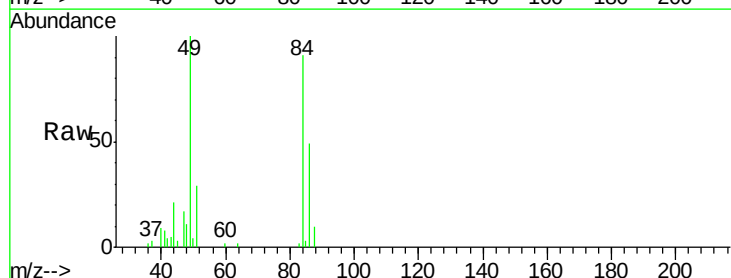
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111069ZHE#10

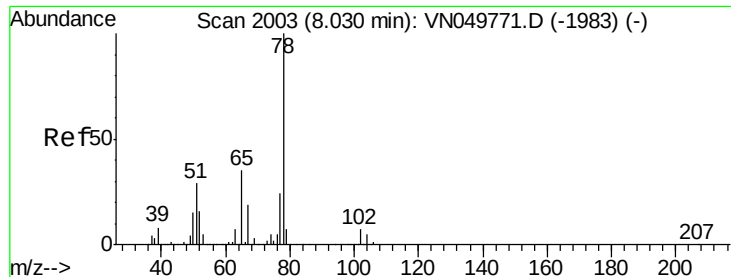
Tot Ion: 43 Resp: 74312  
Ion Ratio Lower Upper  
43 100  
74 22.6 19.8 29.8



#20  
Methylene Chloride  
Concen: 1.36 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN049807.D  
Acq: 13 Jul 2018 19:37

Tgt Ion: 84 Resp: 30306  
Ion Ratio Lower Upper  
84 100  
49 109.4 95.4 143.2  
51 32.2 28.4 42.6  
86 53.3 52.6 79.0

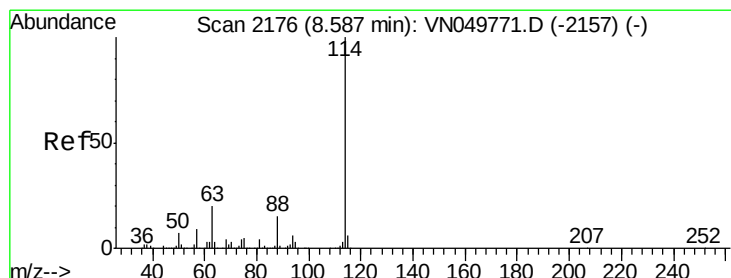
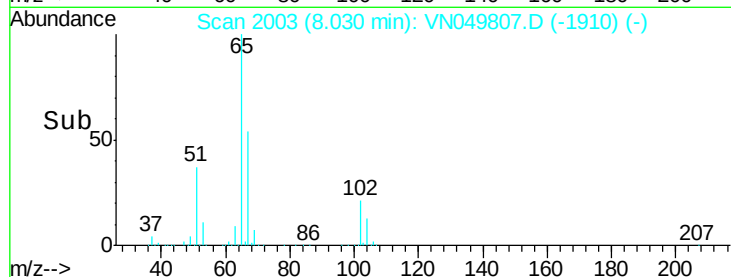
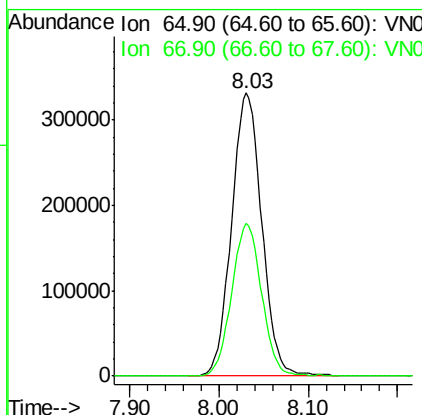
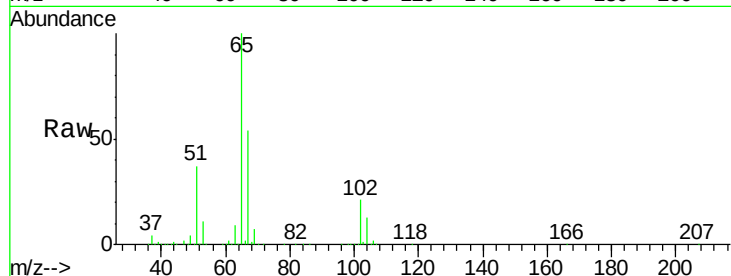




#33  
 1,2-Dichloroethane-d4  
 Concen: 59.40 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. -0.00 min  
 Lab File: VN049807.D  
 Acq: 13 Jul 2018 19:37

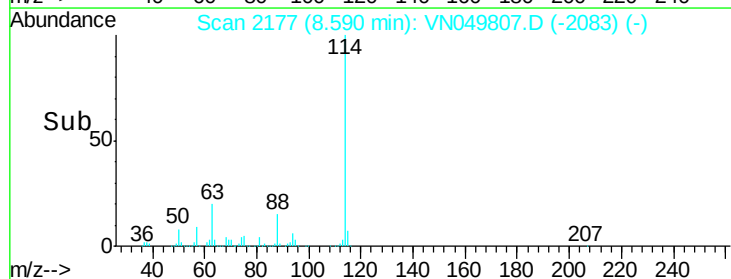
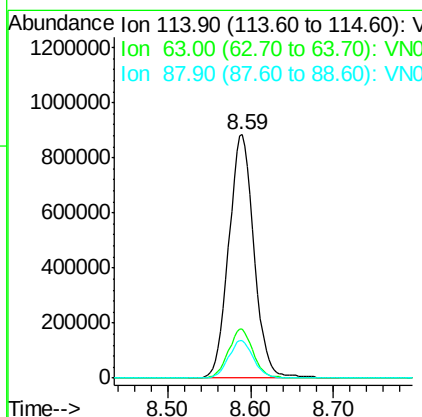
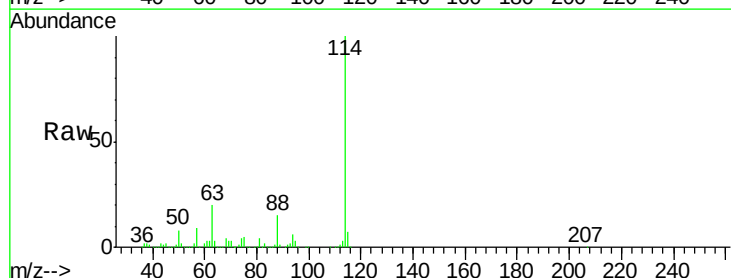
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111069ZHE#10

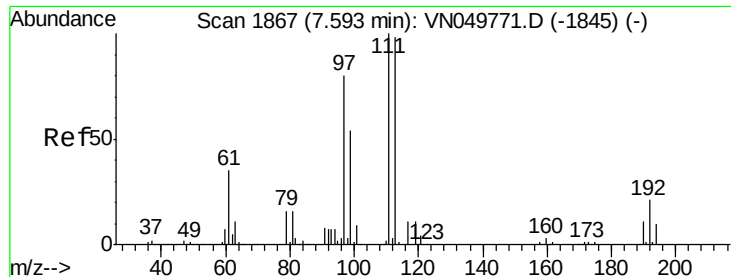
Tot Ion: 65 Resp: 778228  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN049807.D  
 Acq: 13 Jul 2018 19:37

Tgt Ion: 114 Resp: 1874837  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 39.8  
 88 15.4 0.0 30.6

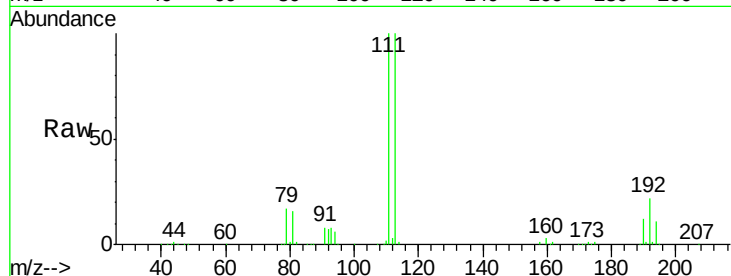




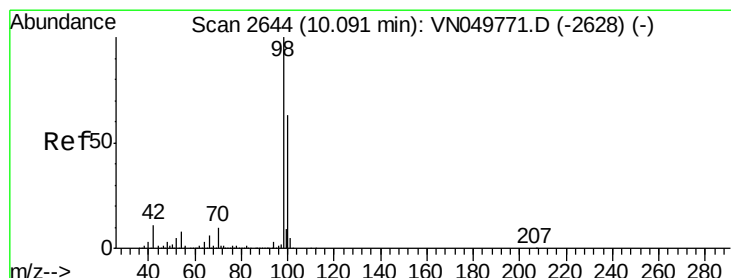
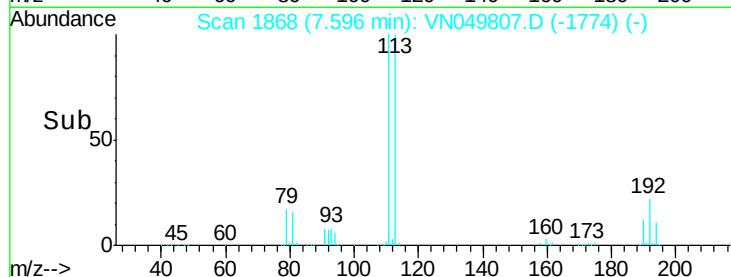
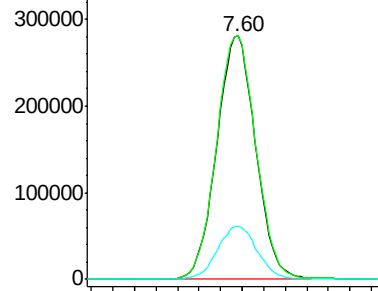
#35  
Dibromofluoromethane  
Concen: 49.87 ug/l  
RT: 7.60 min Scan# 1868  
Delta R.T. 0.00 min  
Lab File: VN049807.D  
Acq: 13 Jul 2018 19:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111069ZHE#10

Tot Ion:113 Resp: 704808  
Ion Ratio Lower Upper  
113 100  
111 101.3 81.8 122.8  
192 22.2 17.8 26.6

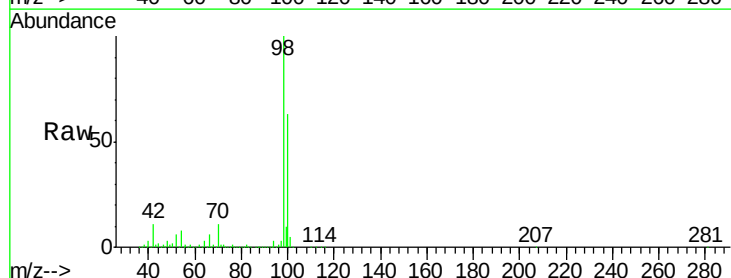


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

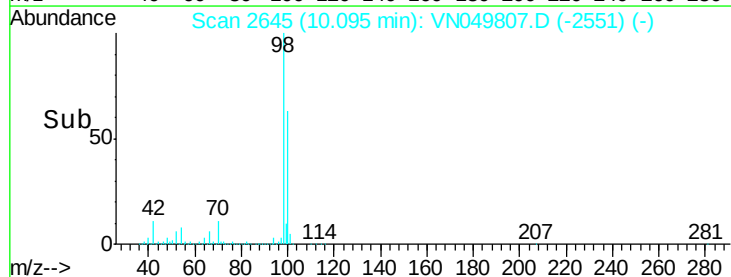
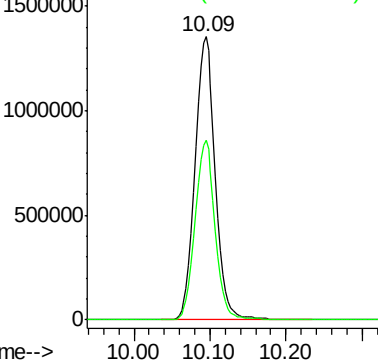


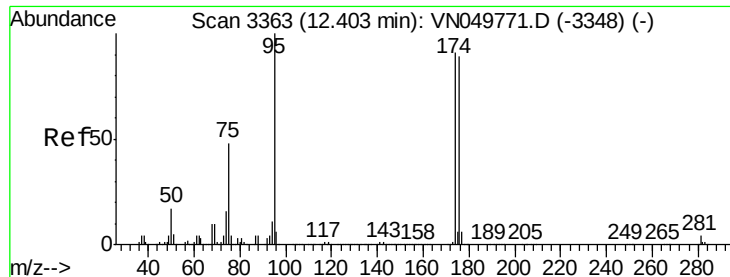
#50  
Toluene-d8  
Concen: 51.75 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN049807.D  
Acq: 13 Jul 2018 19:37

Tgt Ion: 98 Resp: 2503624  
Ion Ratio Lower Upper  
98 100  
100 63.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN  
Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 38.56 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049807.D

Acq: 13 Jul 2018 19:37

Instrument :

MSVOA\_N

ClientSampleId :

PB111069ZHE#10

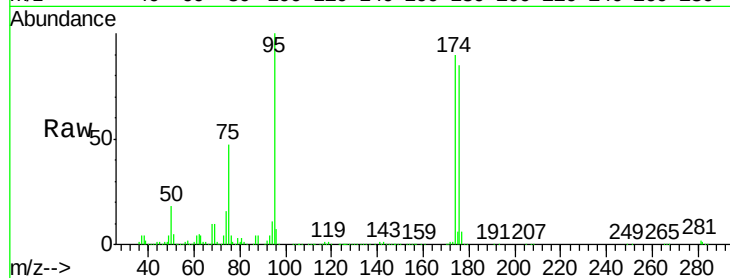
Tot Ion: 95 Resp: 666154

Ion Ratio Lower Upper

95 100

174 91.0 0.0 179.6

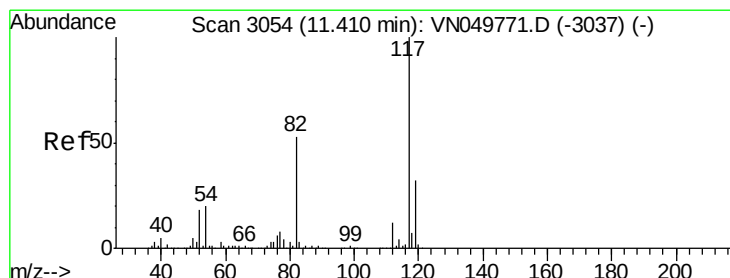
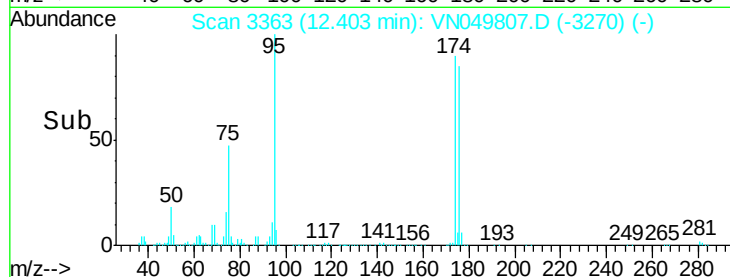
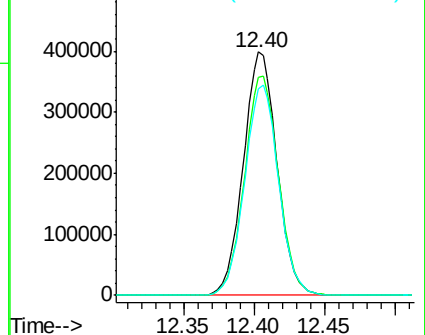
176 87.2 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049771.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN049771.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN049771.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049807.D

Acq: 13 Jul 2018 19:37

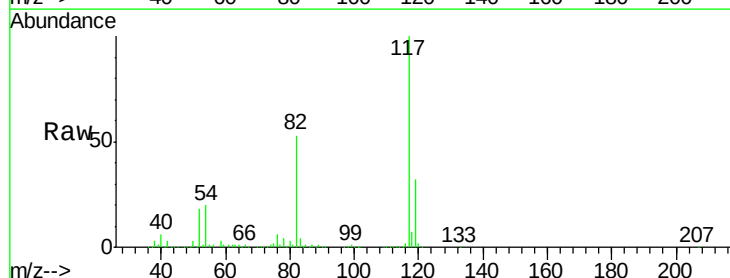
Tgt Ion: 117 Resp: 1524081

Ion Ratio Lower Upper

117 100

82 53.0 41.9 62.9

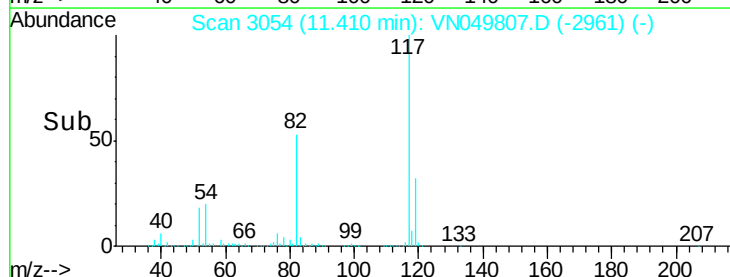
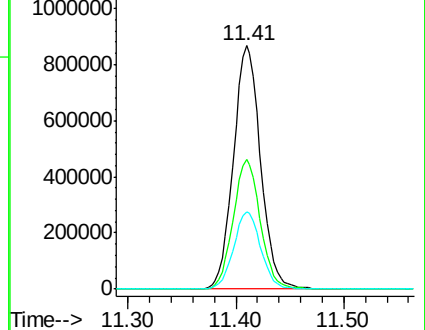
119 31.8 25.4 38.2

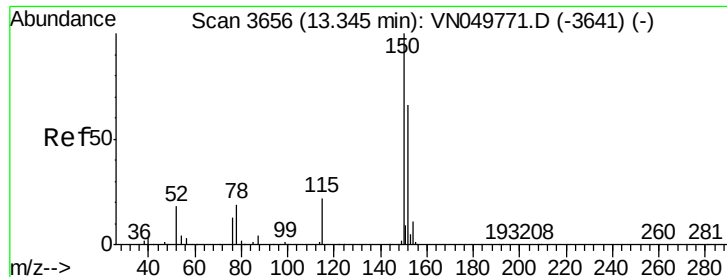


Abundance Ion 116.90 (116.60 to 117.60): VN049771.D (-3037) (-)

Ion 82.00 (81.70 to 82.70): VN049771.D (-3037) (-)

Ion 118.90 (118.60 to 119.60): VN049771.D (-3037) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049807.D

Acq: 13 Jul 2018 19:37

Instrument :

MSVOA\_N

ClientSampleId :

PB111069ZHE#10

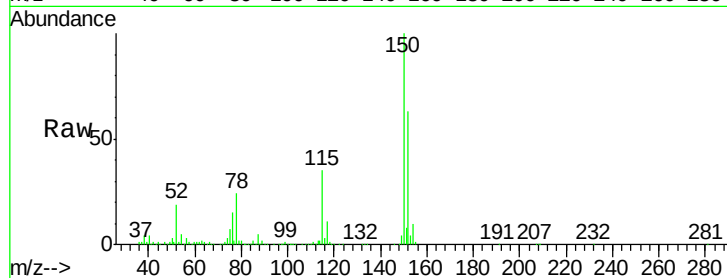
Tot Ion:152 Resp: 530488

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

150 157.7 0.0 347.6



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

