

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\  
 Data File : VN056768.D  
 Acq On : 16 Jul 2019 14:59  
 Operator : JC/SP  
 Sample : PB121398ZHE#08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121398ZHE#08

Quant Time: Jul 17 02:11:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 07:03:34 2019  
 Response via : Initial Calibration

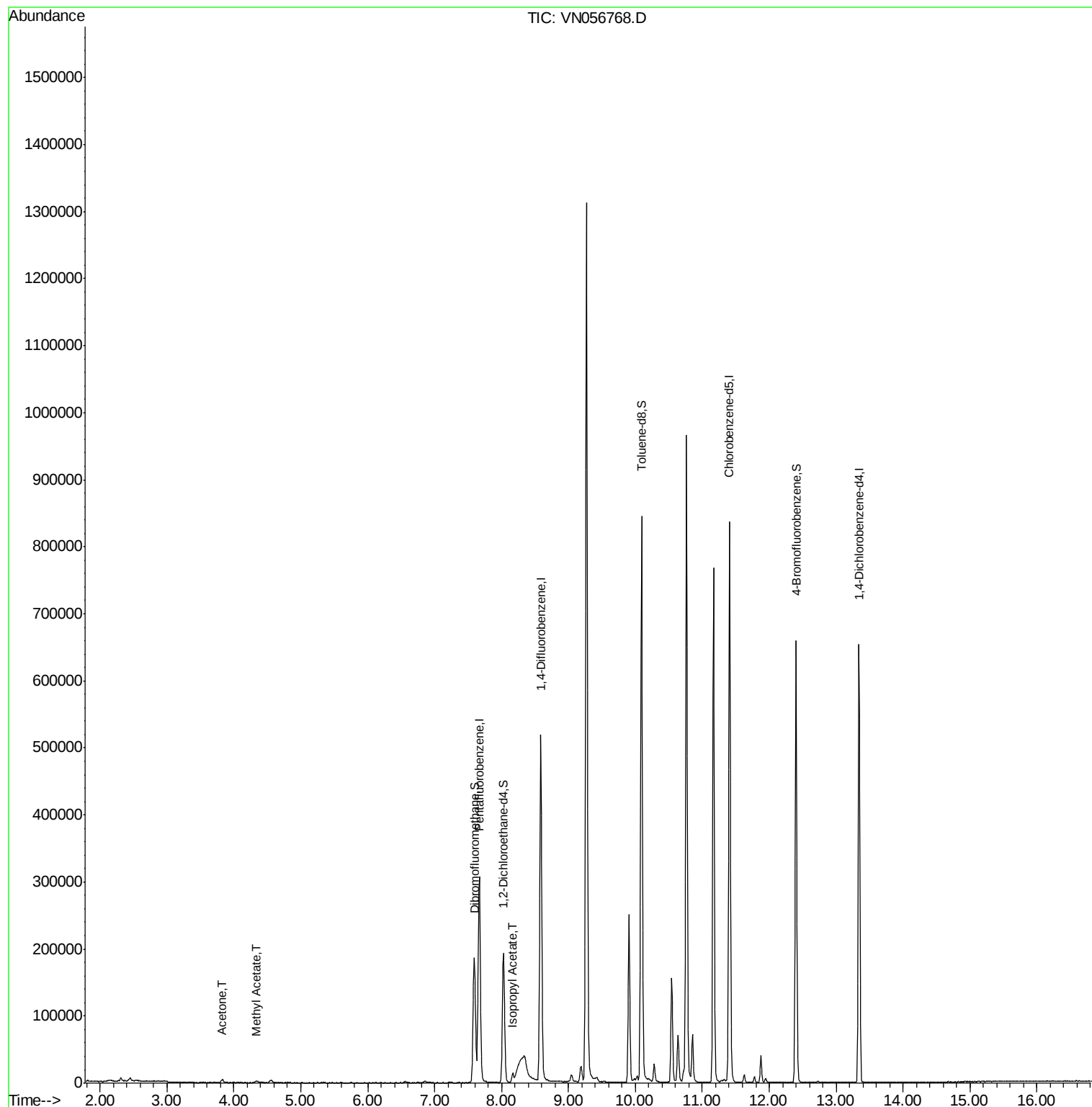
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 274878   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 491360   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 524925   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 193538   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 161974   | 53.27 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.54% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 144508   | 47.26 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.52%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 626263   | 53.03 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.06% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 227699   | 57.17 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 114.34% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 8425     | 6.013 | ug/l    | 90       |
| 18) Methyl Acetate          | 4.34  | 43   | 6190     | 1.013 | ug/l #  | 82       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 16925    | 2.402 | ug/l #  | 92       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071619\  
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Quant Title : SW846 8260  
QLast Update : Tue Jul 16 07:03:34 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: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA\_N

ClientSampleId :

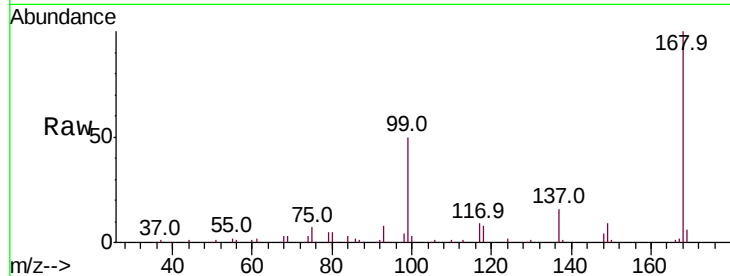
PB121398ZHE#08

Tot Ion:168 Resp: 274878

Ion Ratio Lower Upper

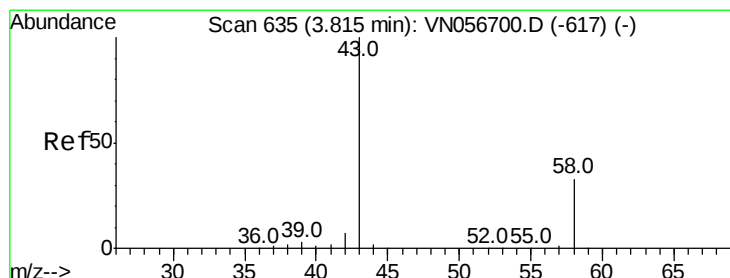
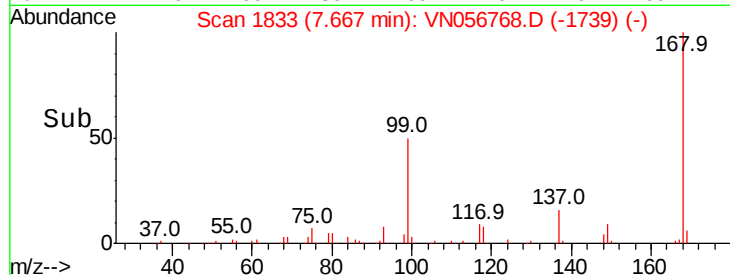
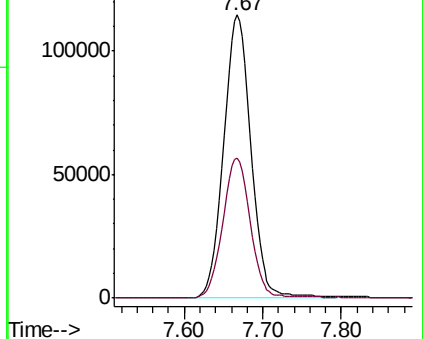
168 100

99 49.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 6.013 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN056768.D

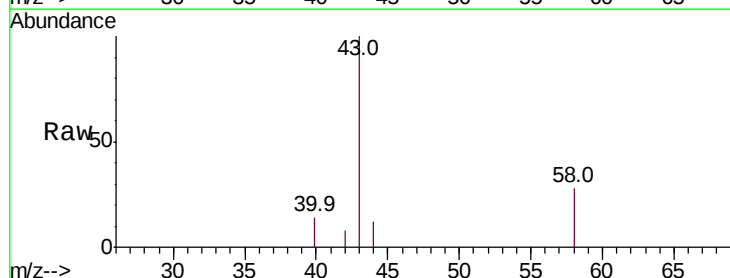
Acq: 16 Jul 2019 14:59

Tgt Ion: 43 Resp: 8425

Ion Ratio Lower Upper

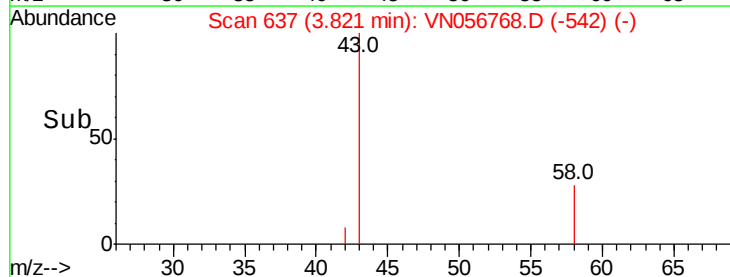
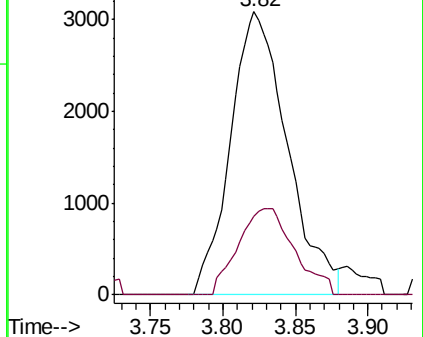
43 100

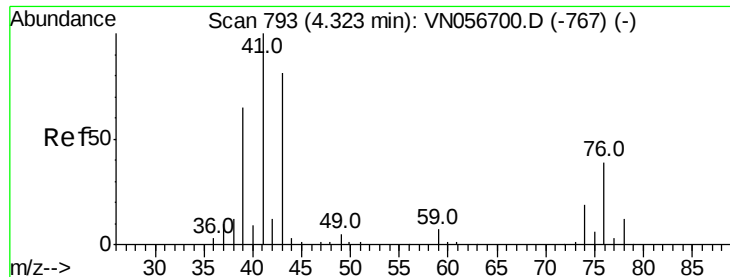
58 27.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

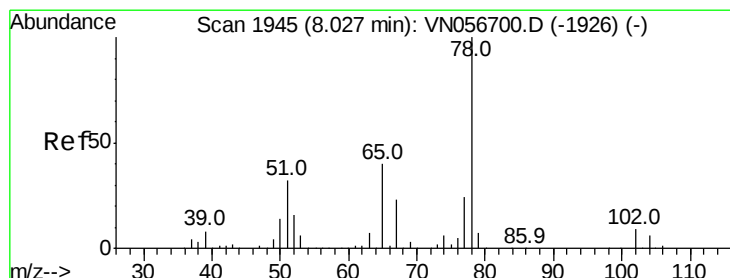
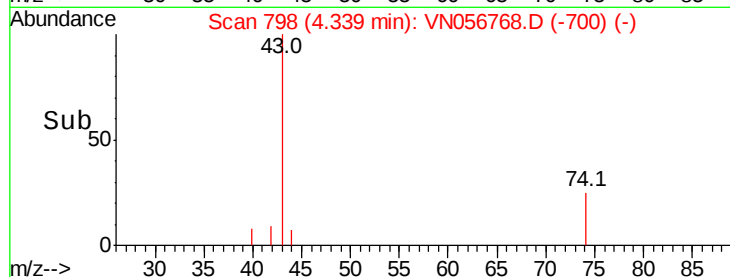
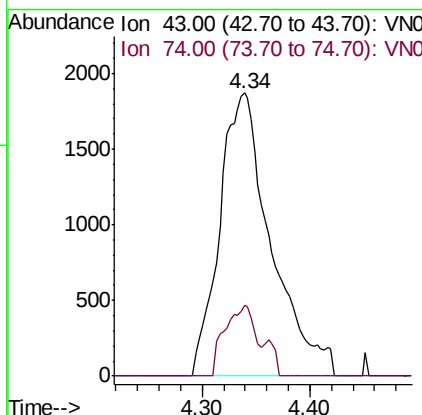
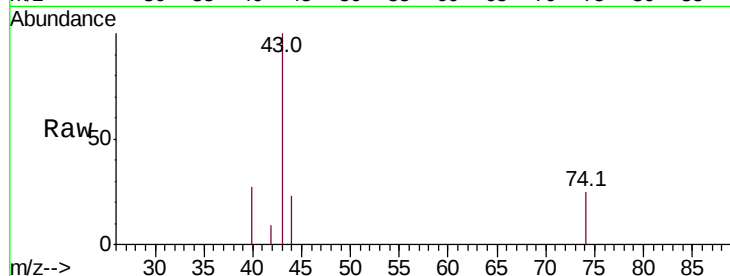




#18  
Methyl Acetate  
Concen: 1.013 ug/l  
RT: 4.34 min Scan# 798  
Delta R.T. 0.02 min  
Lab File: VN056768.D  
Acq: 16 Jul 2019 14:59

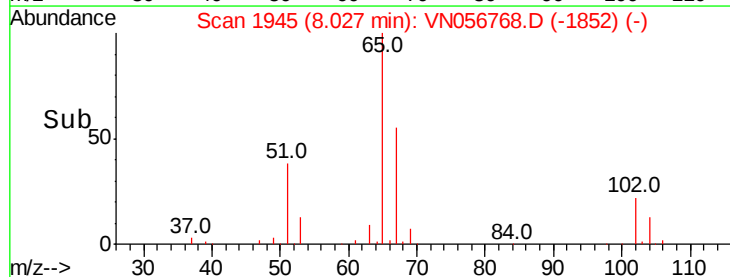
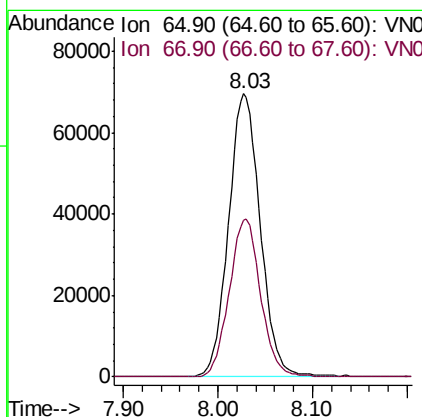
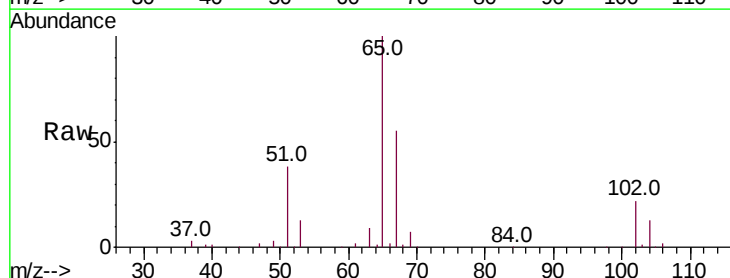
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB121398ZHE#08

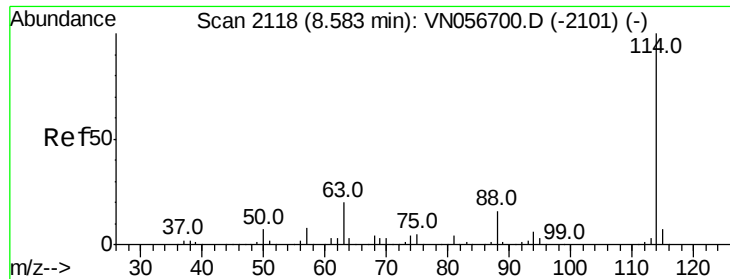
Tot Ion: 43 Resp: 6190  
Ion Ratio Lower Upper  
43 100  
74 14.8 18.9 28.3#



#33  
1,2-Dichloroethane-d4  
Concen: 53.272 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. -0.00 min  
Lab File: VN056768.D  
Acq: 16 Jul 2019 14:59

Tgt Ion: 65 Resp: 161974  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 109.0

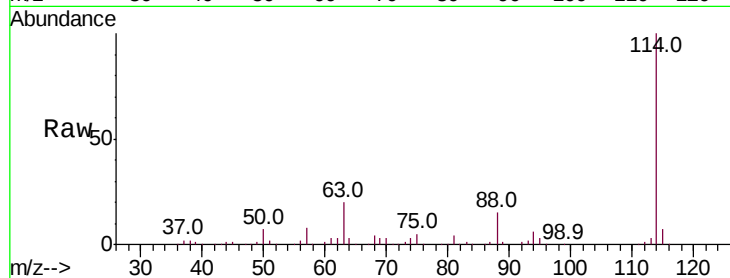




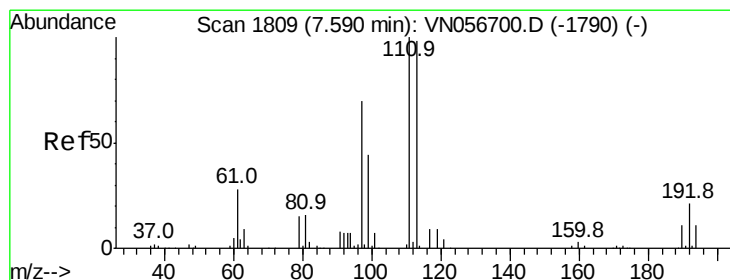
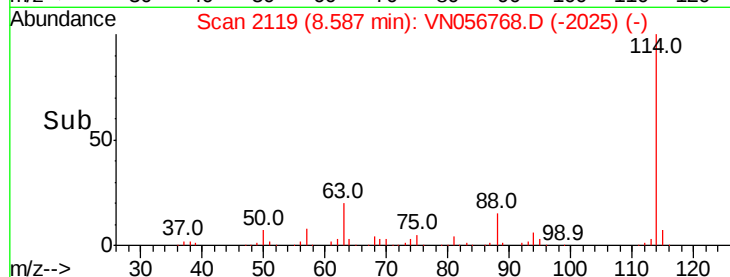
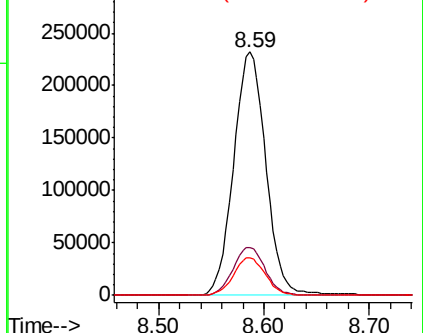
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056768.D  
 Acq: 16 Jul 2019 14:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121398ZHE#08

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.7  | 0.0   | 39.4  |
| 88      | 15.3  | 0.0   | 31.2  |

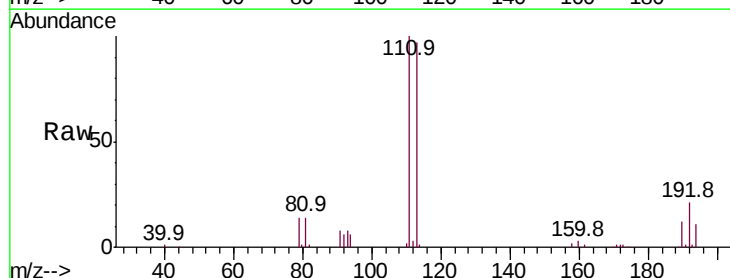


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

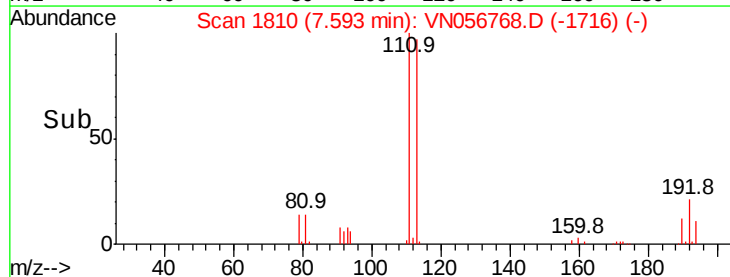
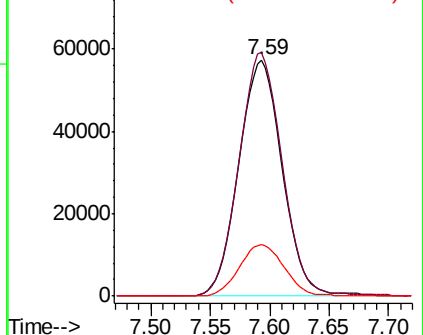


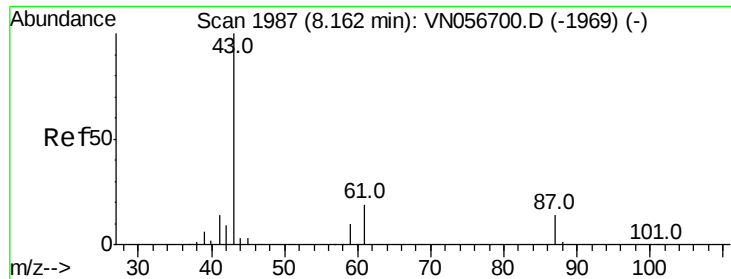
#35  
 Dibromofluoromethane  
 Concen: 47.258 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN056768.D  
 Acq: 16 Jul 2019 14:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 81.8  | 122.6 |
| 192     | 22.6  | 17.5  | 26.3  |



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





#43

Isopropyl Acetate

Concen: 2.402 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA\_N

ClientSampleId :

PB121398ZHE#08

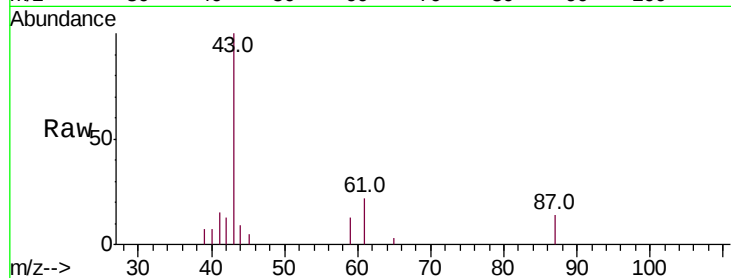
Tot Ion: 43 Resp: 16925

Ion Ratio Lower Upper

43 100

61 21.8 22.3 33.5#

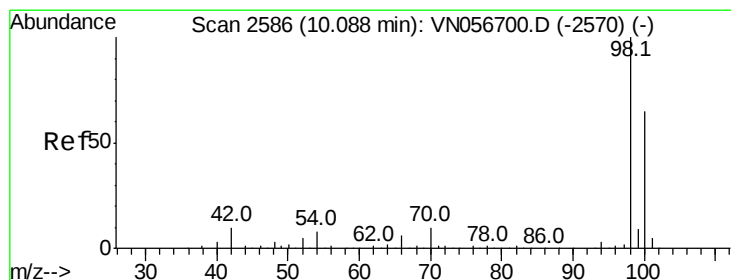
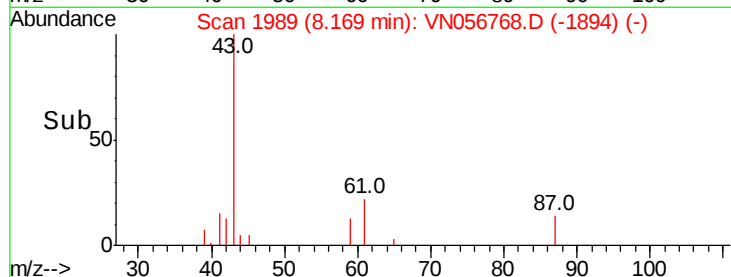
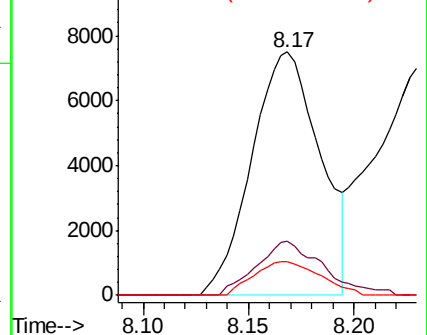
87 13.4 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 53.028 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056768.D

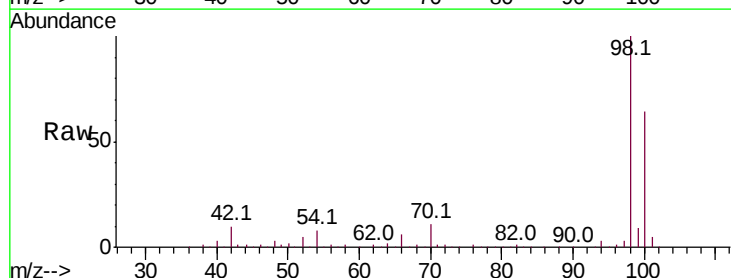
Acq: 16 Jul 2019 14:59

Tgt Ion: 98 Resp: 626263

Ion Ratio Lower Upper

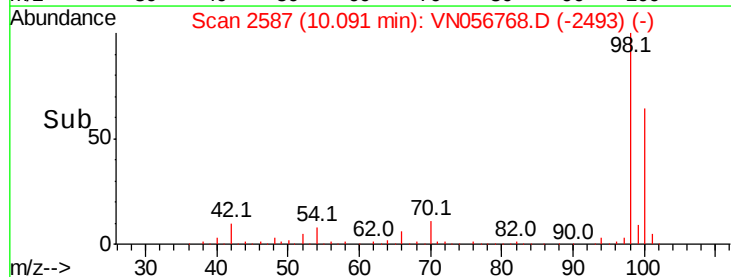
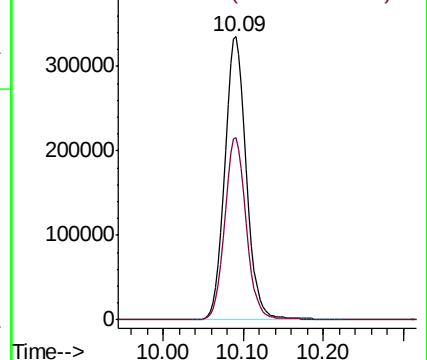
98 100

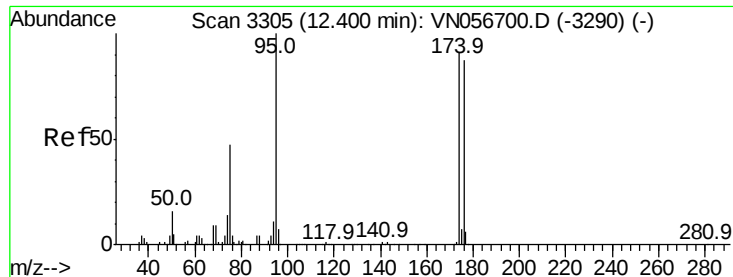
100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 57.171 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA\_N

ClientSampleId :

PB121398ZHE#08

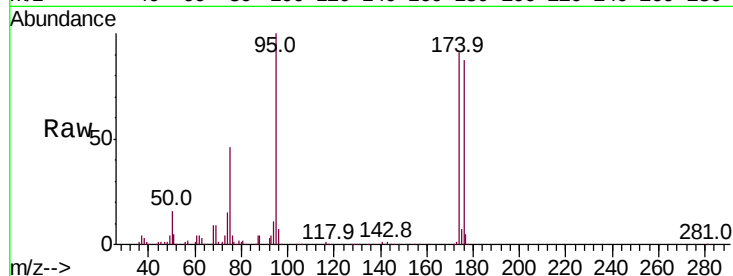
Tot Ion: 95 Resp: 227699

Ion Ratio Lower Upper

95 100

174 91.2 0.0 180.0

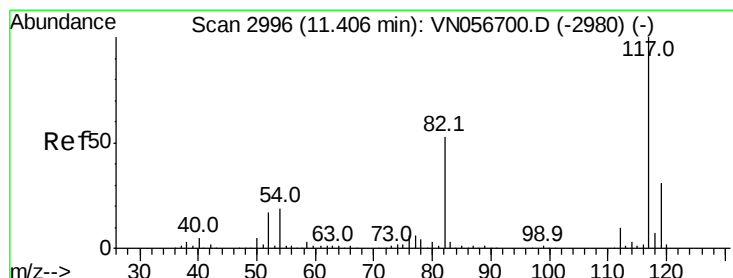
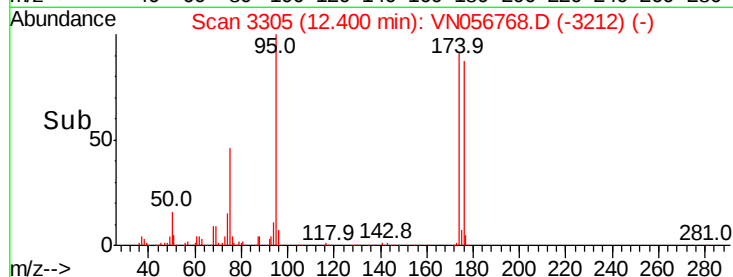
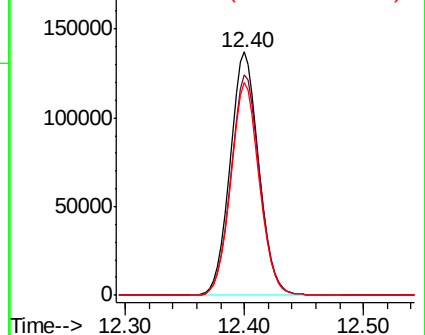
176 87.1 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056768.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN056768.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN056768.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

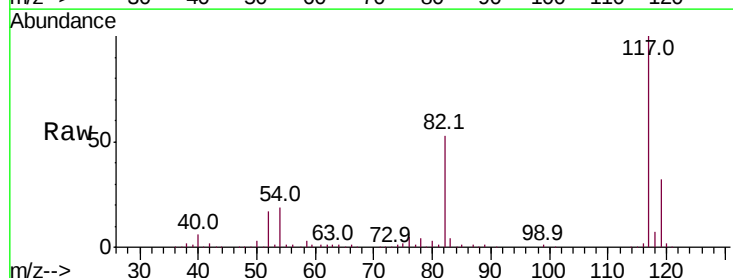
Tgt Ion: 117 Resp: 524925

Ion Ratio Lower Upper

117 100

82 53.1 42.2 63.2

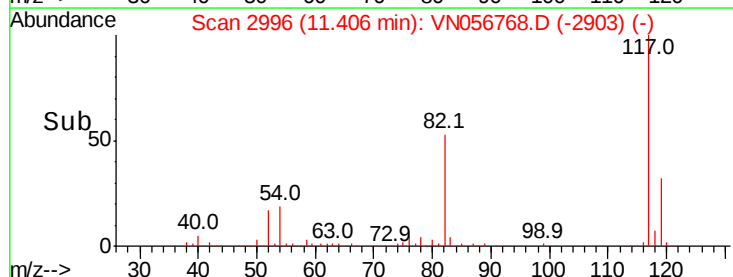
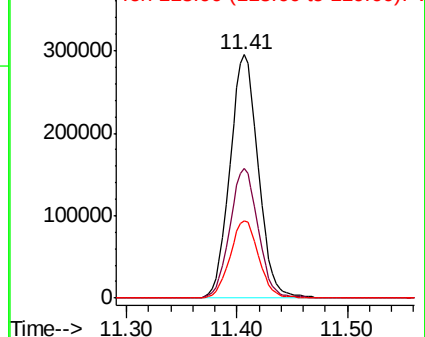
119 32.0 25.2 37.8

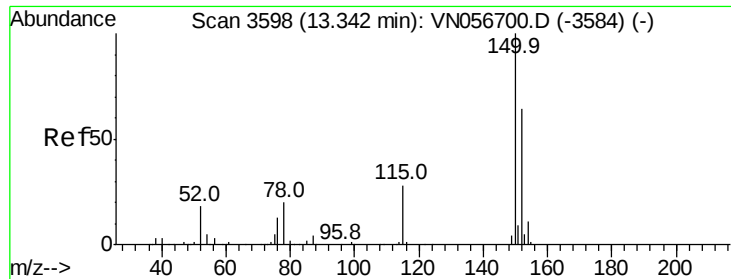


Abundance Ion 116.90 (116.60 to 117.60): VN056768.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN056768.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN056768.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA\_N

ClientSampleId :

PB121398ZHE#08

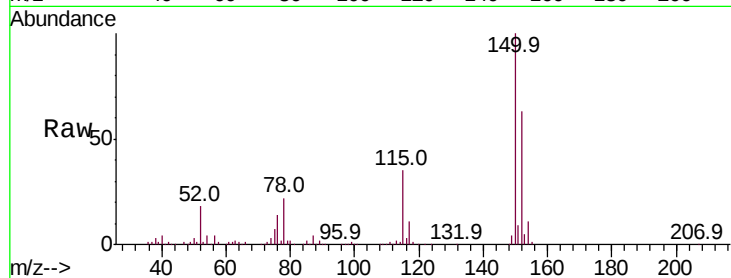
Tot Ion:152 Resp: 193538

Ion Ratio Lower Upper

152 100

115 55.0 28.2 84.7

150 155.8 0.0 345.8



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

