

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080919\  
 Data File : VN057149.D  
 Acq On : 9 Aug 2019 16:14  
 Operator : JC/SP  
 Sample : I.BLK  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 I.BLK

Quant Time: Aug 10 07:56:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:49:25 2019  
 Response via : Initial Calibration

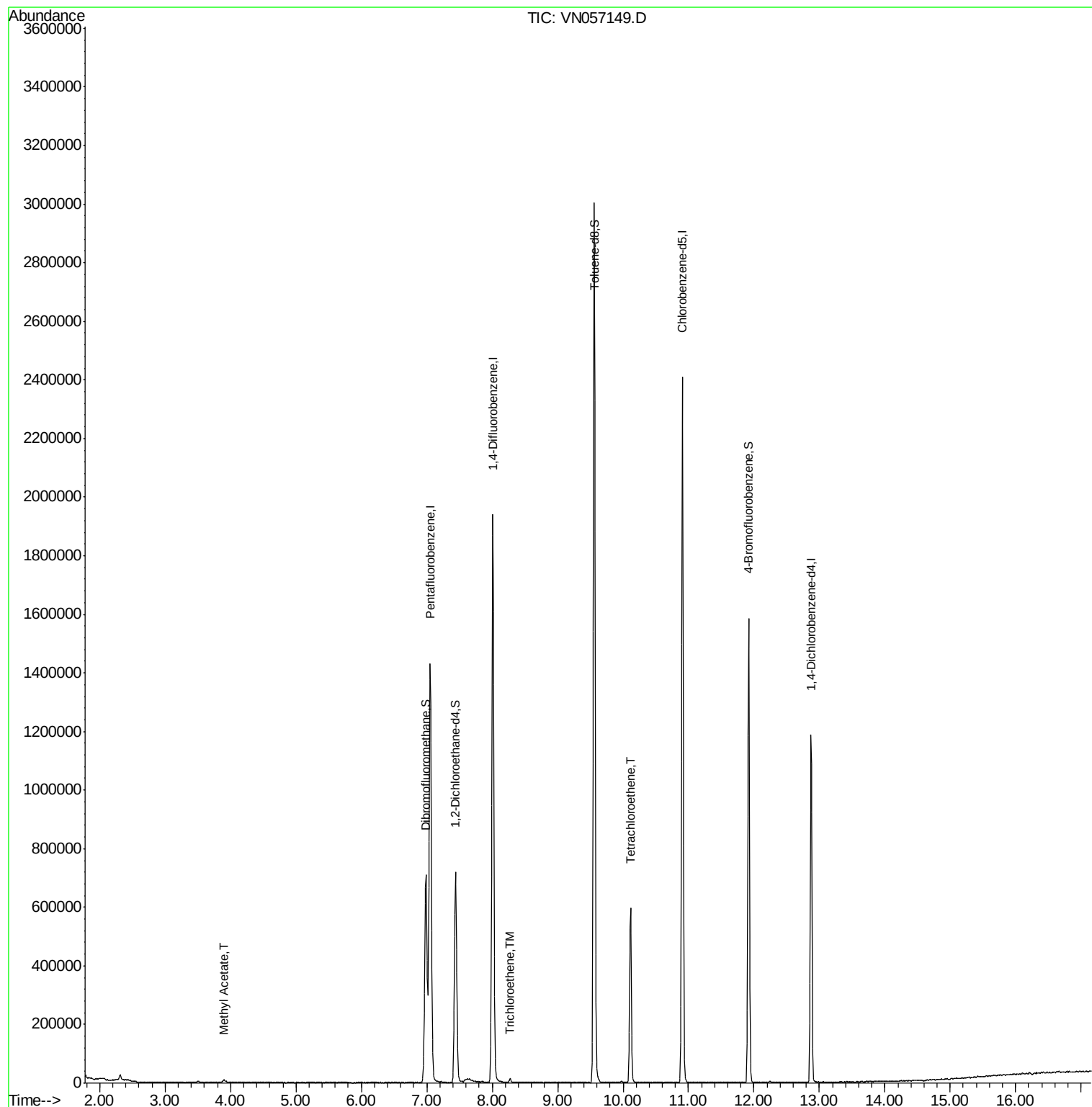
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 1379524  | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.01  | 114  | 1940577  | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.91 | 117  | 1556439  | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.88 | 152  | 361139   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.44  | 65   | 641630   | 45.23  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.46% |          |
| 35) Dibromofluoromethane    | 6.99  | 113  | 577360   | 47.41  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.82% |          |
| 50) Toluene-d8              | 9.56  | 98   | 2235260  | 47.98  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.96% |          |
| 62) 4-Bromofluorobenzene    | 11.92 | 95   | 552758   | 36.82  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 73.64% |          |
| Target Compounds            |       |      |          |        |        |          |
| 18) Methyl Acetate          | 3.90  | 43   | 14990    | 0.524  | ug/l   | 99       |
| 44) Trichloroethene         | 8.27  | 130  | 4547     | 0.321  | ug/l   | 90       |
| 64) Tetrachloroethene       | 10.11 | 164  | 158139   | 12.217 | ug/l   | 97       |

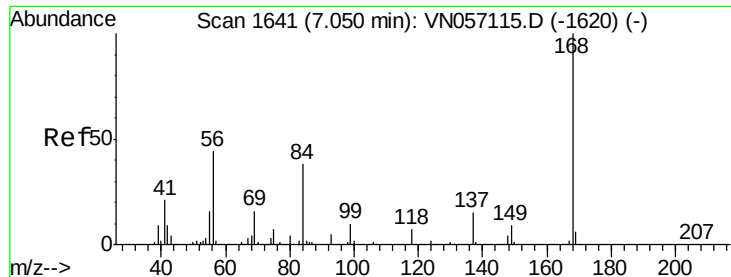
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
I.BLK

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Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:49:25 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057149.D

Acq: 9 Aug 2019 16:14

Instrument :

MSVOA\_N

ClientSampled :

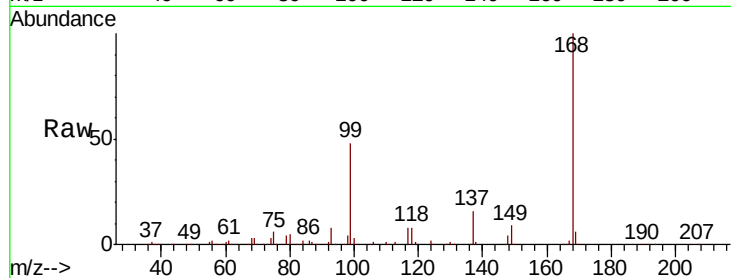
I.BLK

Tot Ion:168 Resp: 1379524

Ion Ratio Lower Upper

168 100

99 48.4 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057149.D (-1548) (-)

Ion 98.90 (98.60 to 99.60): VN057149.D (-1548) (-)

7.05

600000

500000

400000

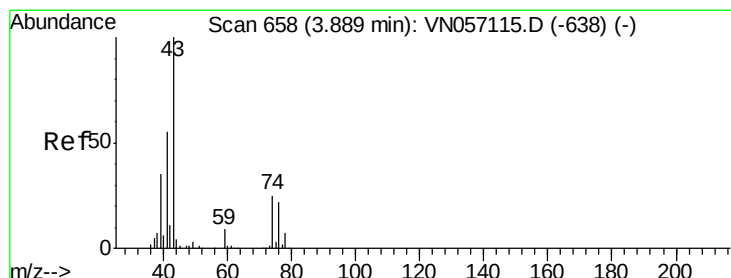
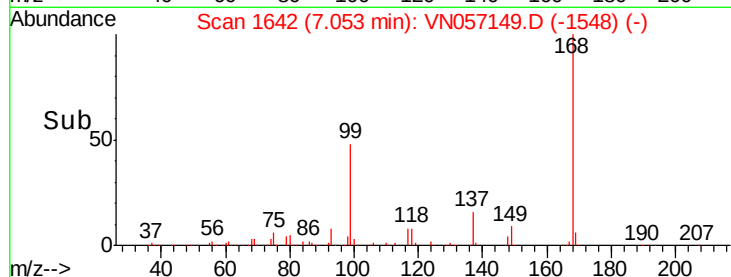
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#18

Methyl Acetate

Concen: 0.524 ug/l

RT: 3.90 min Scan# 662

Delta R.T. 0.01 min

Lab File: VN057149.D

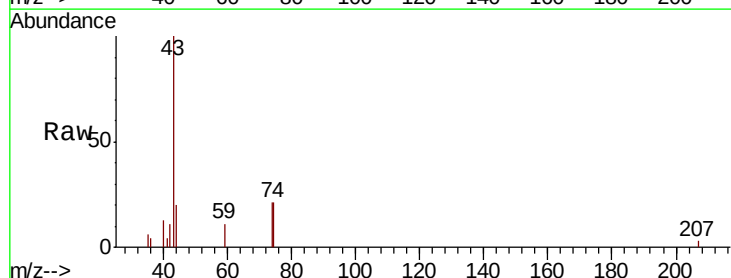
Acq: 9 Aug 2019 16:14

Tgt Ion: 43 Resp: 14990

Ion Ratio Lower Upper

43 100

74 24.9 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN057149.D (-565) (-)

Ion 74.00 (73.70 to 74.70): VN057149.D (-565) (-)

3.90

6000

5000

4000

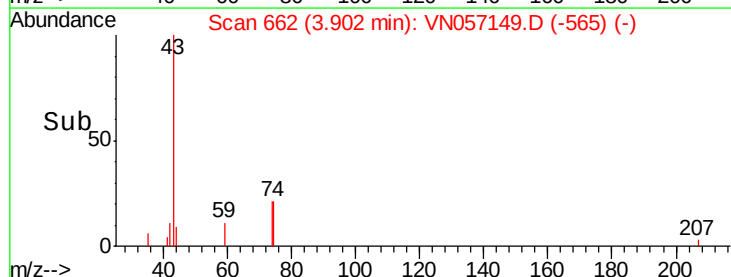
3000

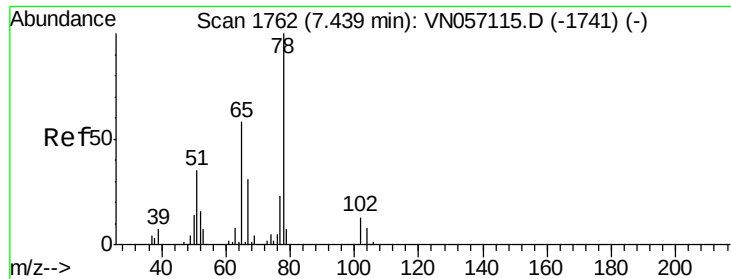
2000

1000

0

Time--> 3.80 3.85 3.90 3.95

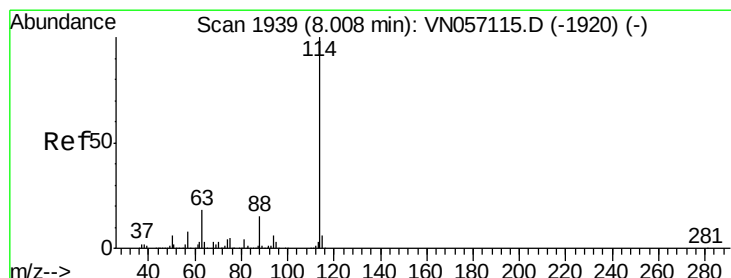
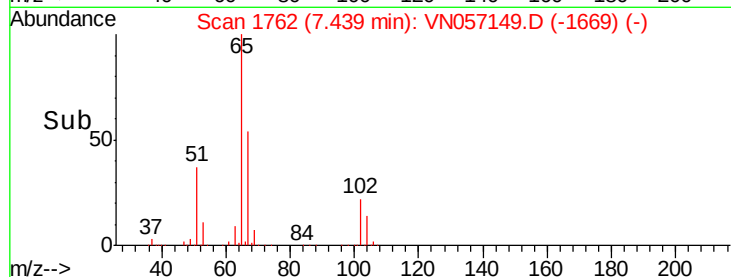
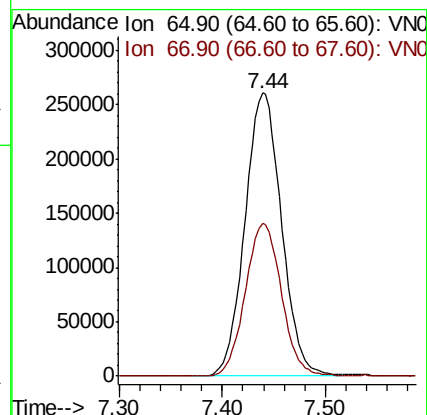
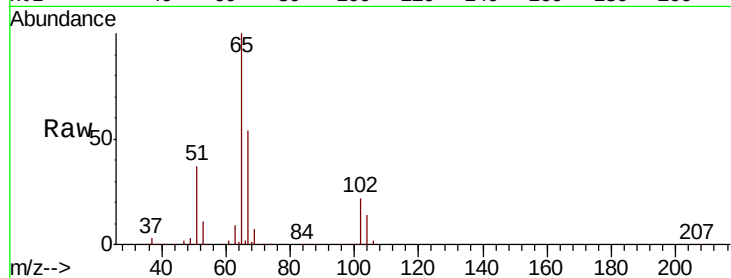




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.225 ug/l  
 RT: 7.44 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: VN057149.D  
 Acq: 9 Aug 2019 16:14

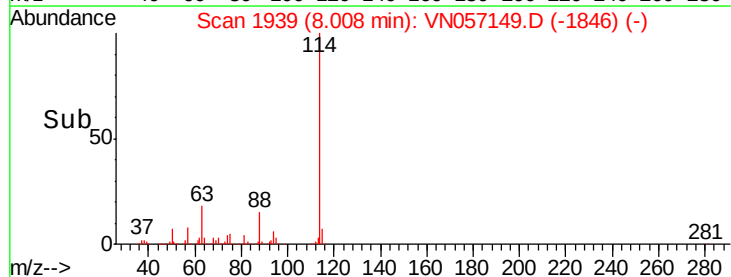
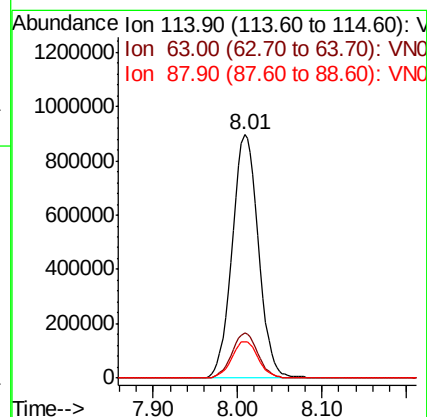
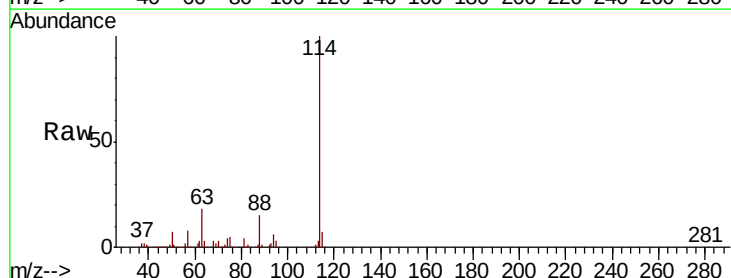
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 I.BLK

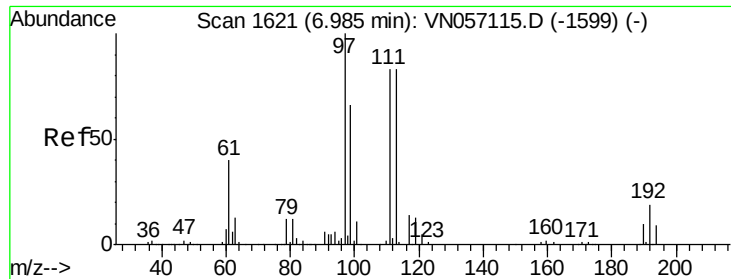
Tot Ion: 65 Resp: 641630  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 108.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. -0.00 min  
 Lab File: VN057149.D  
 Acq: 9 Aug 2019 16:14

Tgt Ion: 114 Resp: 1940577  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 36.2  
 88 15.1 0.0 30.0

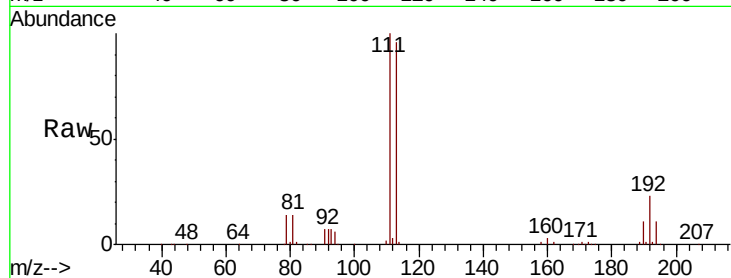




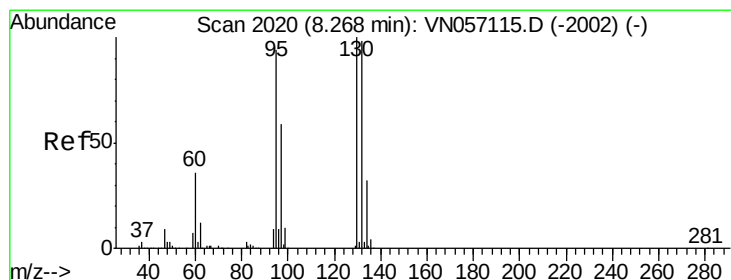
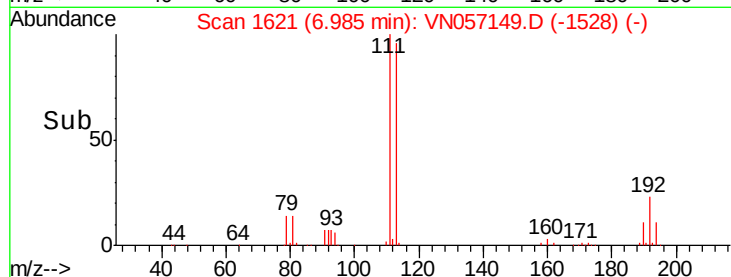
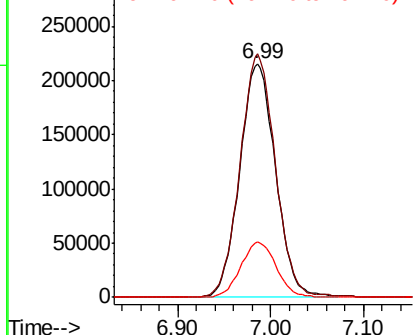
#35  
 Dibromofluoromethane  
 Concen: 47.412 ug/l  
 RT: 6.99 min Scan# 1621  
 Delta R.T. -0.00 min  
 Lab File: VN057149.D  
 Acq: 9 Aug 2019 16:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 I.BLK

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.4 | 81.3  | 121.9 |
| 192     | 23.5  | 19.0  | 28.4  |

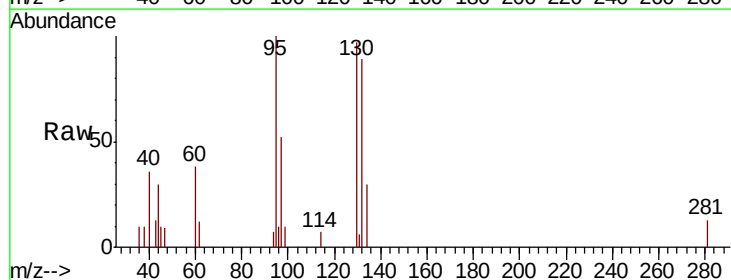


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

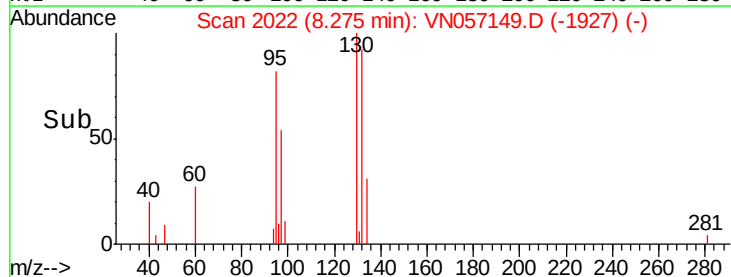
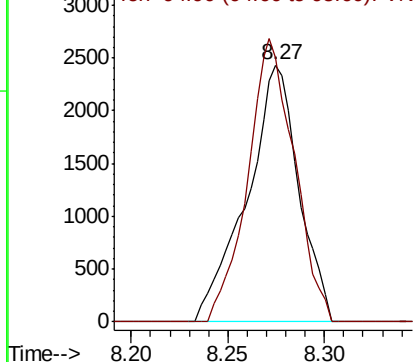


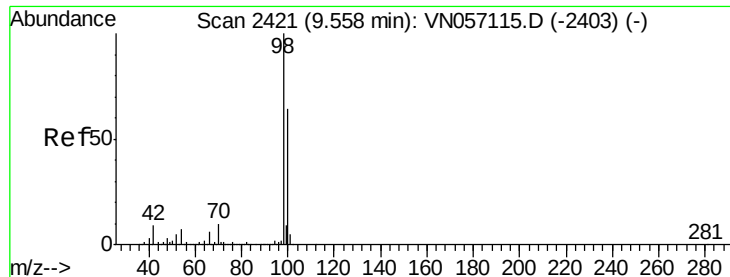
#44  
 Trichloroethene  
 Concen: 0.321 ug/l  
 RT: 8.27 min Scan# 2022  
 Delta R.T. 0.01 min  
 Lab File: VN057149.D  
 Acq: 9 Aug 2019 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 103.1 | 0.0   | 187.4 |



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): V

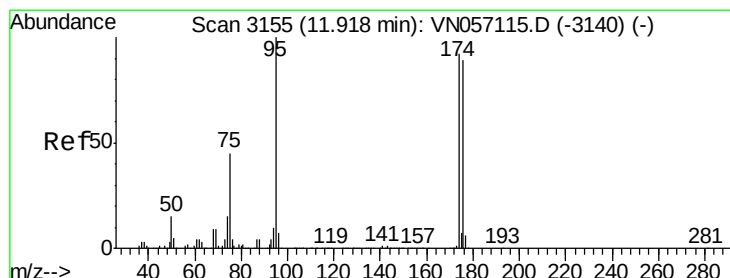
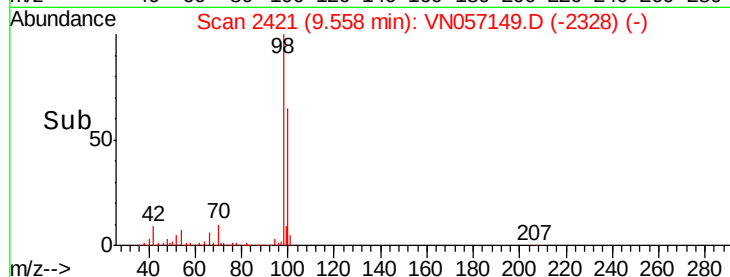
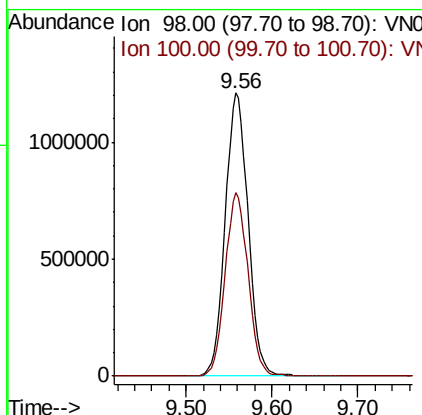
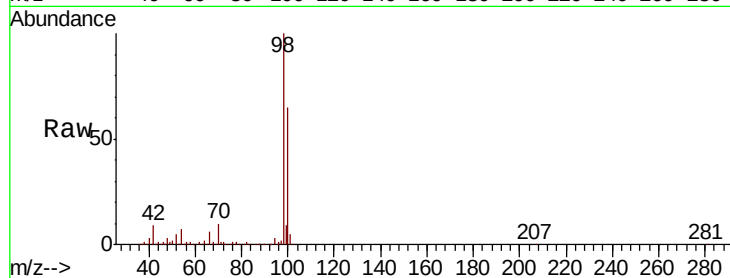




#50  
Toluene-d8  
Concen: 47.979 ug/l  
RT: 9.56 min Scan# 2421  
Delta R.T. 0.00 min  
Lab File: VN057149.D  
Acq: 9 Aug 2019 16:14

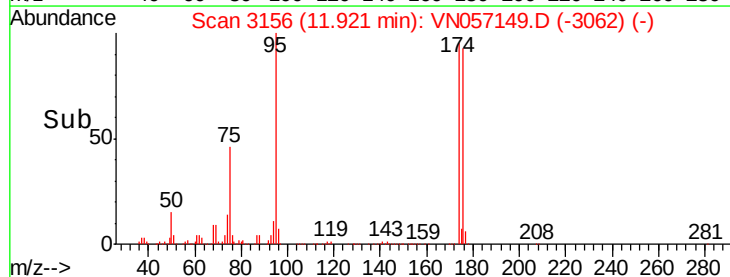
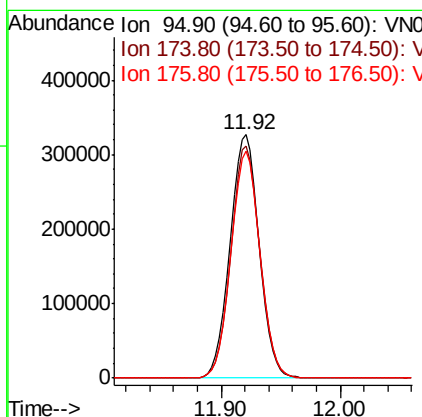
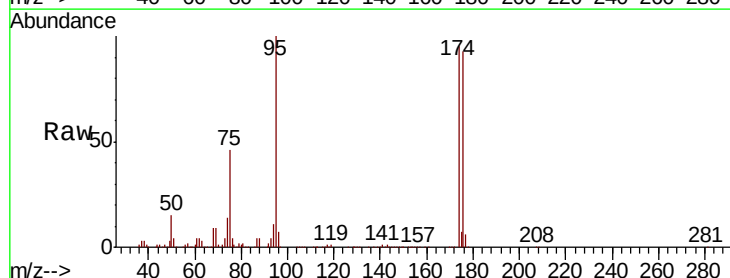
Instrument :  
MSVOA\_N  
ClientSampled :  
I.BLK

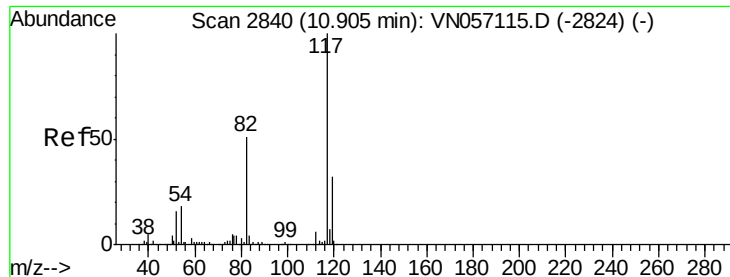
Tot Ion: 98 Resp: 2235260  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.2 76.8



#62  
4-Bromofluorobenzene  
Concen: 36.823 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. 0.00 min  
Lab File: VN057149.D  
Acq: 9 Aug 2019 16:14

Tgt Ion: 95 Resp: 552758  
Ion Ratio Lower Upper  
95 100  
174 94.6 0.0 185.0  
176 92.9 0.0 181.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.91 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN057149.D

Acq: 9 Aug 2019 16:14

Instrument :

MSVOA\_N

ClientSampleId :

I.BLK

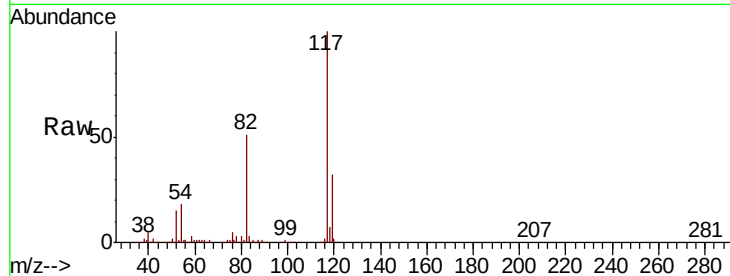
Tot Ion:117 Resp: 1556439

Ion Ratio Lower Upper

117 100

82 50.8 40.8 61.2

119 32.3 25.7 38.5

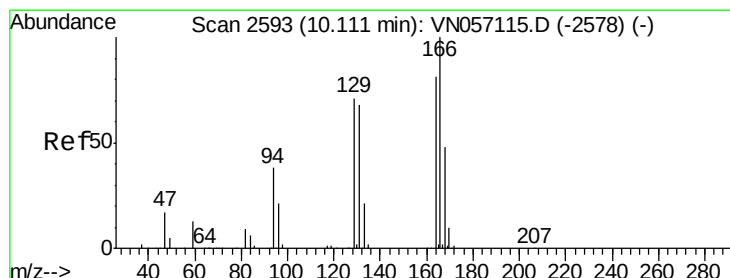
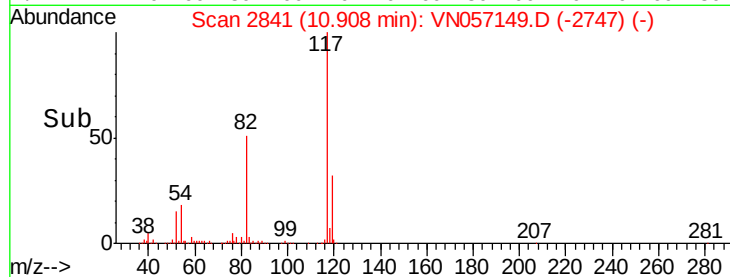
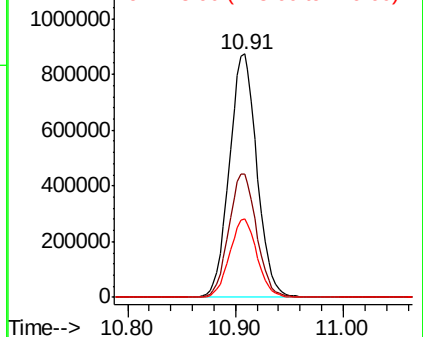


Abundance

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



#64

Tetrachloroethene

Concen: 12.217 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057149.D

Acq: 9 Aug 2019 16:14

Tgt Ion:164 Resp: 158139

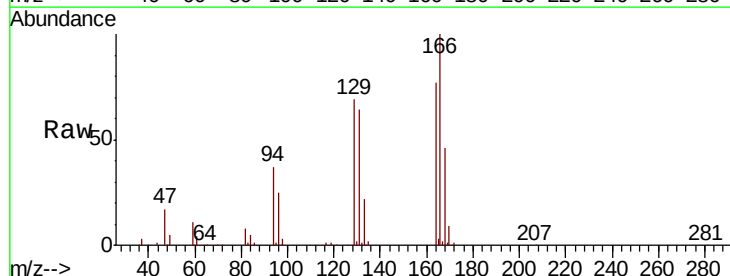
Ion Ratio Lower Upper

164 100

166 129.1 98.3 147.5

129 88.8 69.8 104.6

131 82.4 66.8 100.2



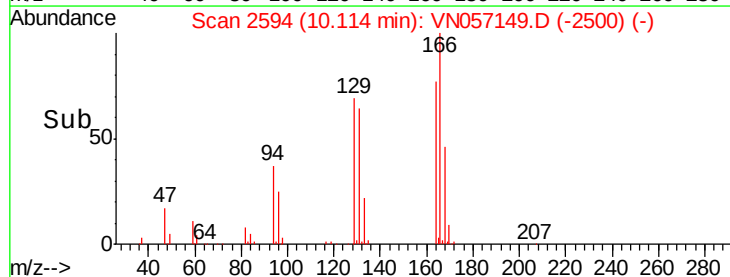
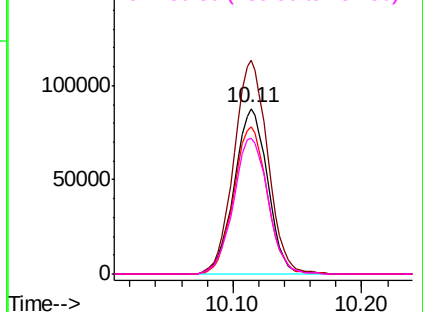
Abundance

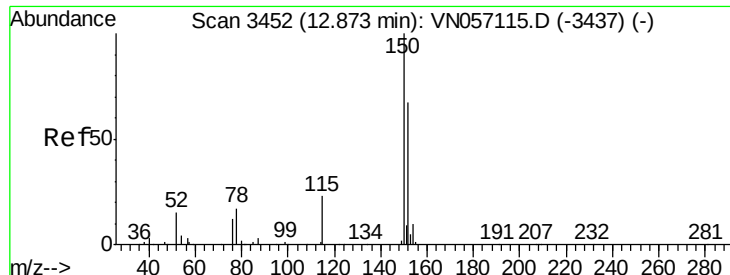
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 3453

Delta R.T. 0.00 min

Lab File: VN057149.D

Acq: 9 Aug 2019 16:14

Instrument :

MSVOA\_N

ClientSampleId :

I.BLK

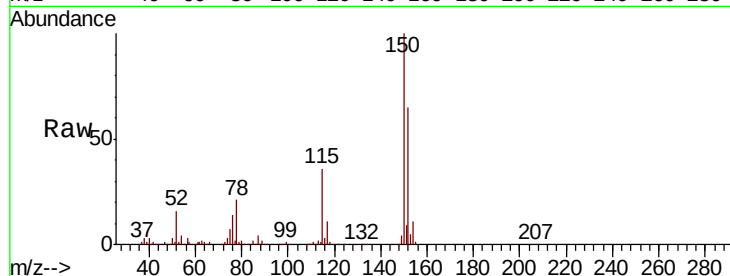
Tot Ion:152 Resp: 361139

Ion Ratio Lower Upper

152 100

115 55.2 27.5 82.5

150 155.8 0.0 341.6



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

