

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\  
 Data File : VN057638.D  
 Acq On : 1 Sep 2019 12:40  
 Operator : JC/SP  
 Sample : K4618-15  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB-4-28-30

Quant Time: Sep 02 02:12:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N090119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 31 15:54:32 2019  
 Response via : Initial Calibration

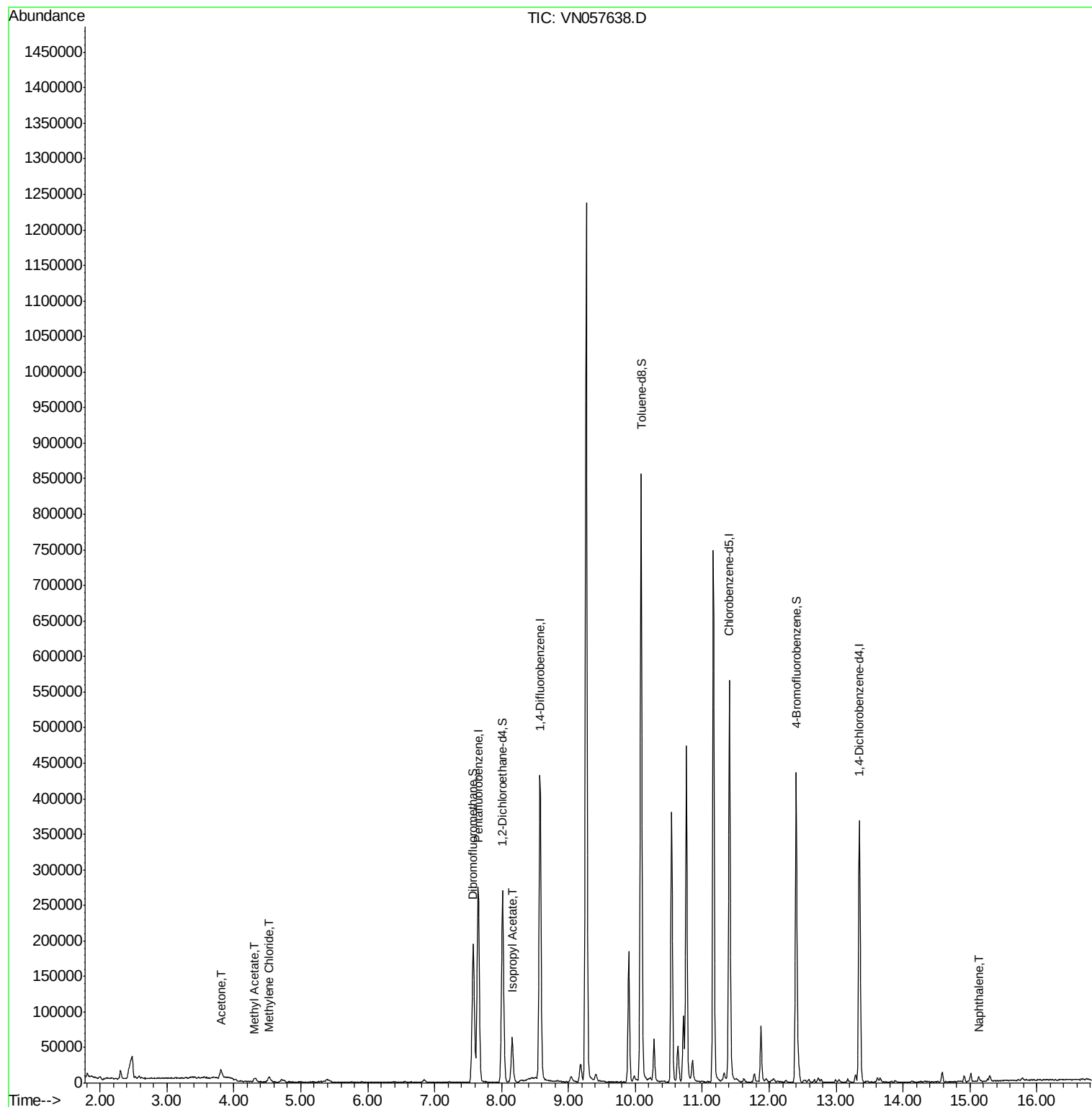
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 188499   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 327412   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 281041   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 89891    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 229827   | 53.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.94% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 137223   | 47.99  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.98%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 540290   | 49.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.44%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 158648   | 38.01  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 76.02%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.81  | 43   | 17381    | 14.565 | ug/l    | 100      |
| 18) Methyl Acetate          | 4.32  | 43   | 9712     | 2.370  | ug/l #  | 71       |
| 20) Methylene Chloride      | 4.53  | 84   | 4688     | 1.587  | ug/l    | 89       |
| 43) Isopropyl Acetate       | 8.16  | 43   | 77188    | 10.376 | ug/l    | 98       |
| 95) Naphthalene             | 15.13 | 128  | 4302     | 7.863  | ug/l #  | 93       |

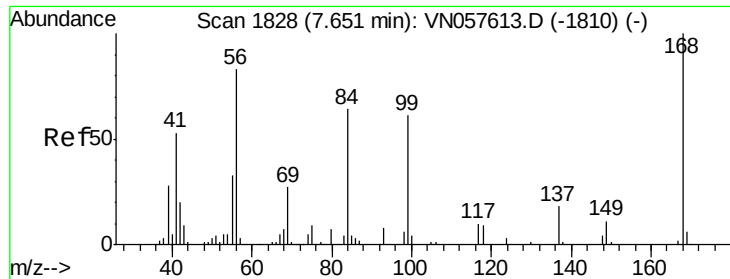
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090219\  
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Instrument :  
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SB-4-28-30

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Quant Title : SW846 8260  
QLast Update : Sat Aug 31 15:54:32 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

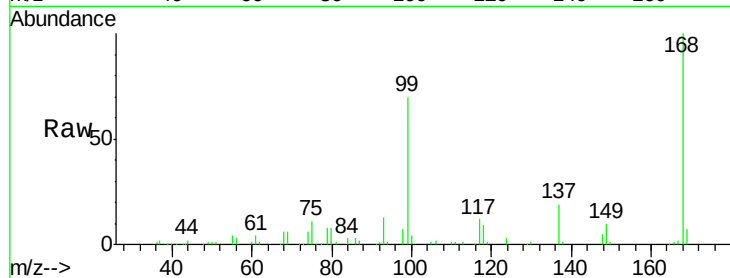
SB-4-28-30

Tot Ion:168 Resp: 188499

Ion Ratio Lower Upper

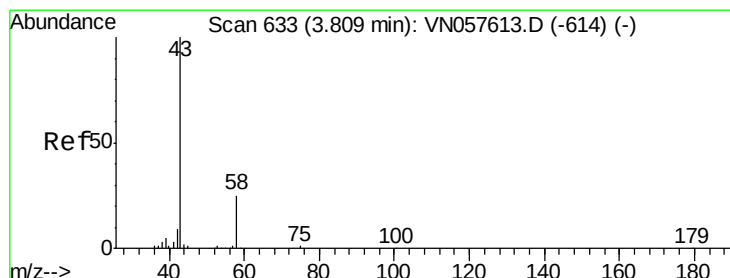
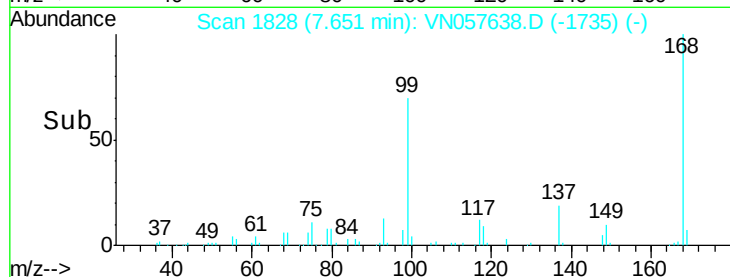
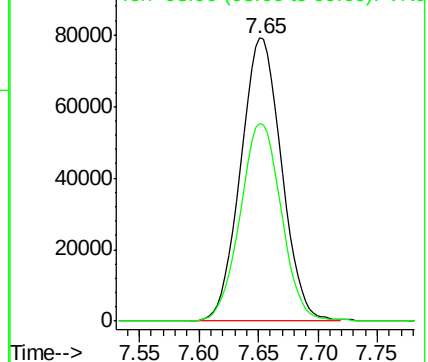
168 100

99 70.0 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 14.565 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057638.D

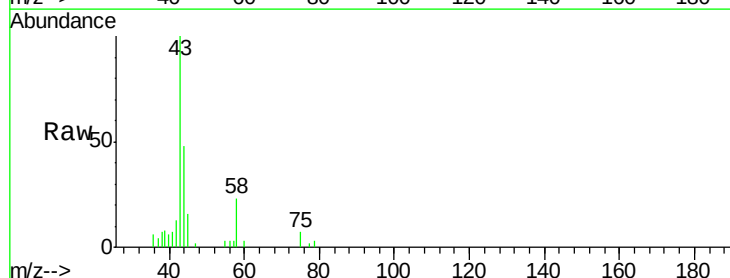
Acq: 1 Sep 2019 12:40

Tgt Ion: 43 Resp: 17381

Ion Ratio Lower Upper

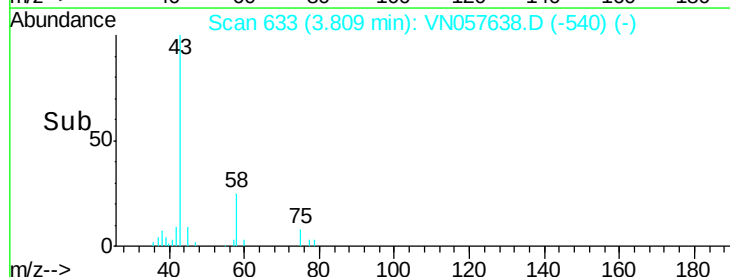
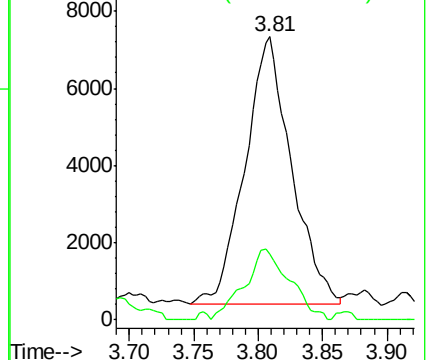
43 100

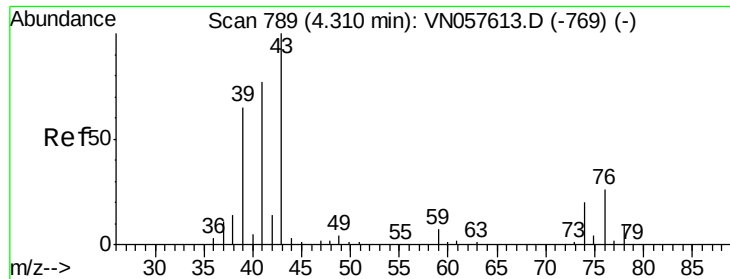
58 24.8 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

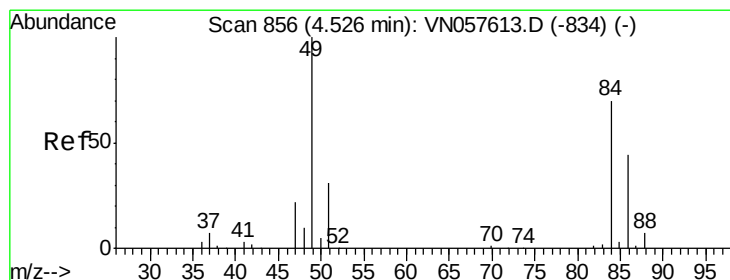
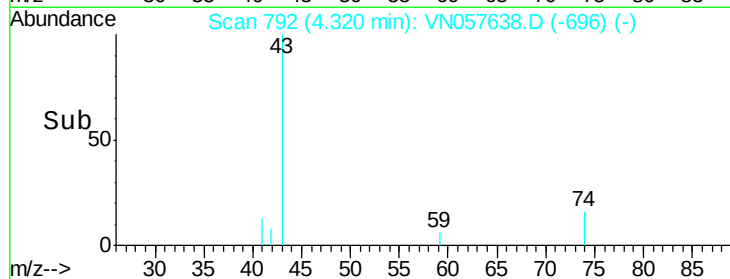
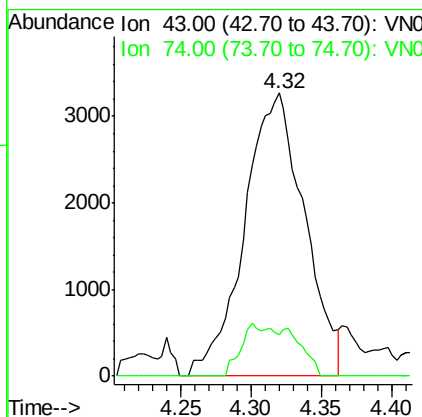
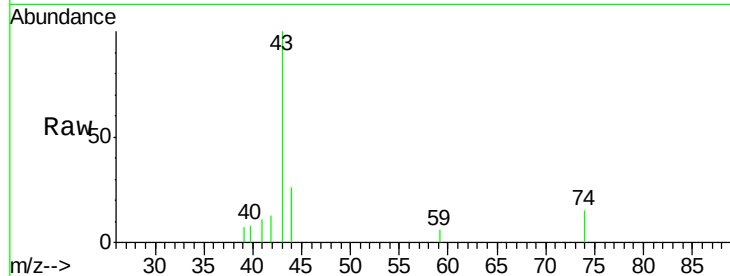




#18  
Methyl Acetate  
Concen: 2.370 ug/l  
RT: 4.32 min Scan# 792  
Delta R.T. 0.01 min  
Lab File: VN057638.D  
Acq: 1 Sep 2019 12:40

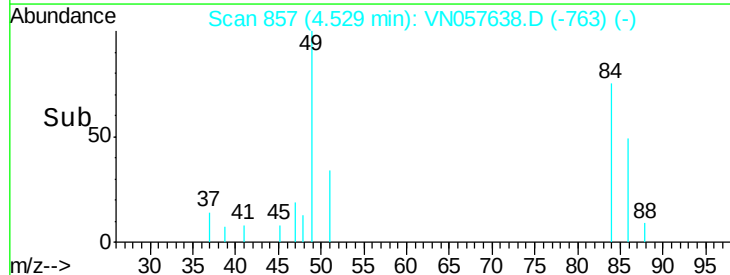
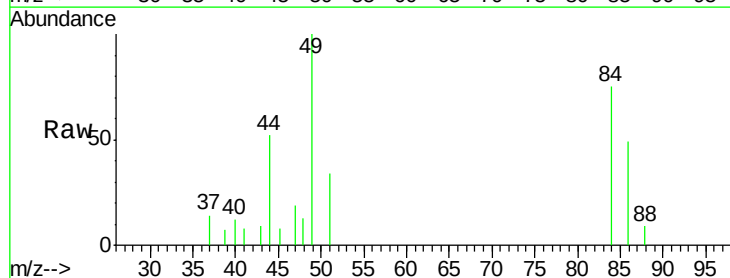
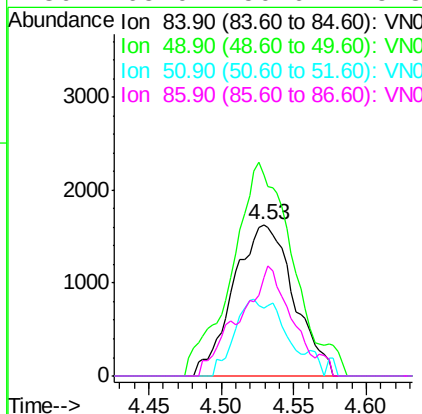
Instrument :  
MSVOA\_N  
ClientSampled :  
SB-4-28-30

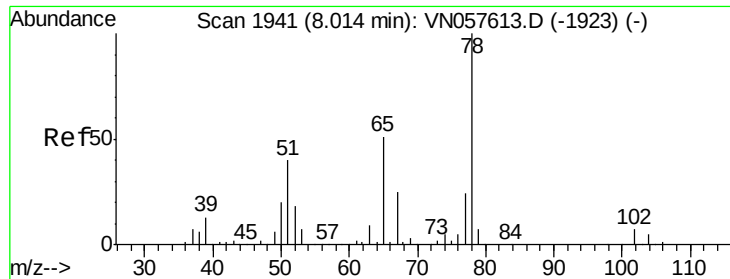
Tot Ion: 43 Resp: 9712  
Ion Ratio Lower Upper  
43 100  
74 6.4 15.7 23.5#



#20  
Methylene Chloride  
Concen: 1.587 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: VN057638.D  
Acq: 1 Sep 2019 12:40

Tgt Ion: 84 Resp: 4688  
Ion Ratio Lower Upper  
84 100  
49 121.2 113.8 170.6  
51 44.6 35.0 52.6  
86 65.0 50.6 75.8

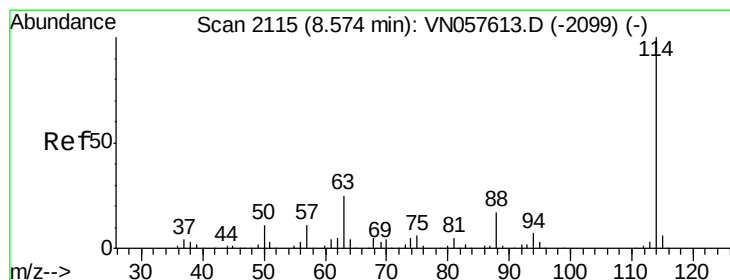
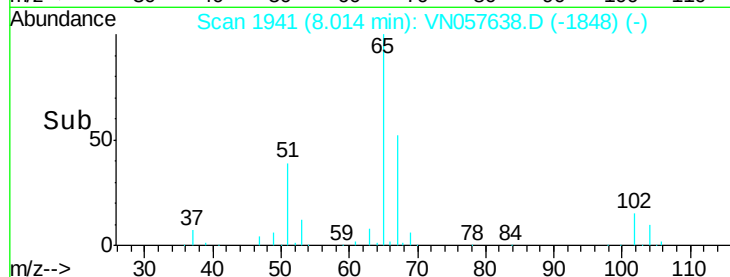
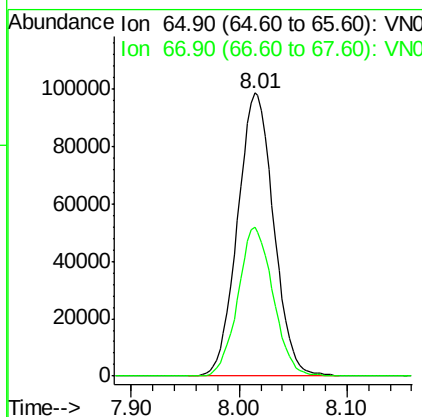
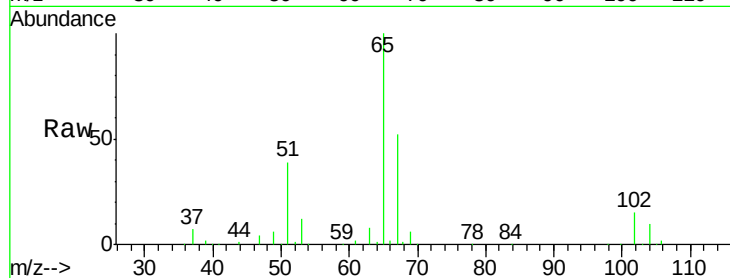




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.973 ug/l  
 RT: 8.01 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: VN057638.D  
 Acq: 1 Sep 2019 12:40

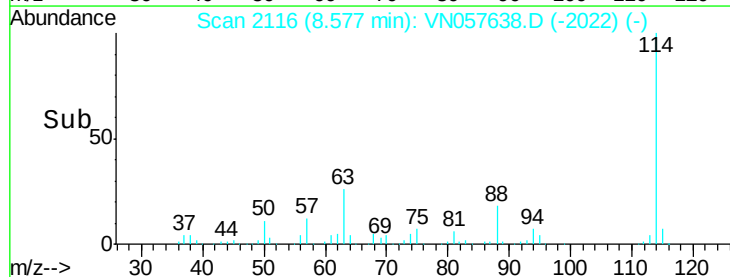
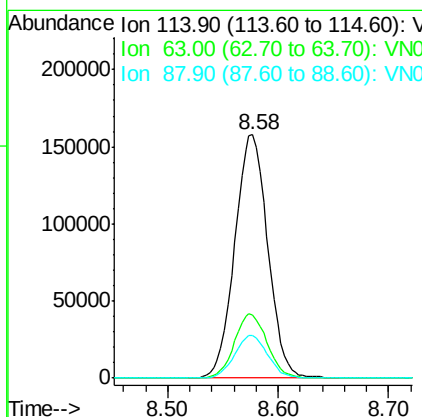
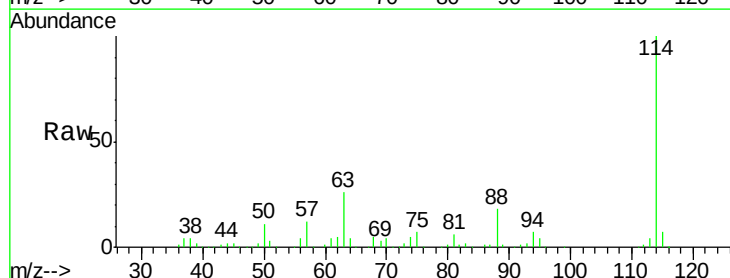
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 SB-4-28-30

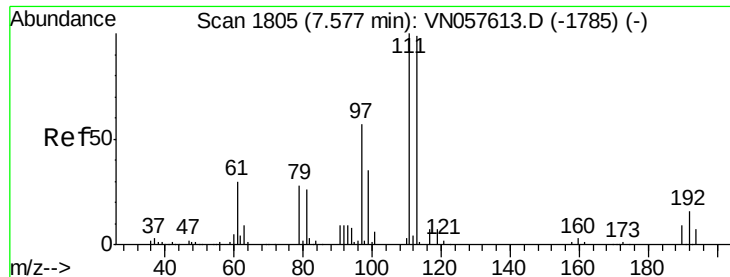
Tot Ion: 65 Resp: 229827  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 102.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN057638.D  
 Acq: 1 Sep 2019 12:40

Tgt Ion: 114 Resp: 327412  
 Ion Ratio Lower Upper  
 114 100  
 63 25.9 0.0 49.0  
 88 17.6 0.0 33.0

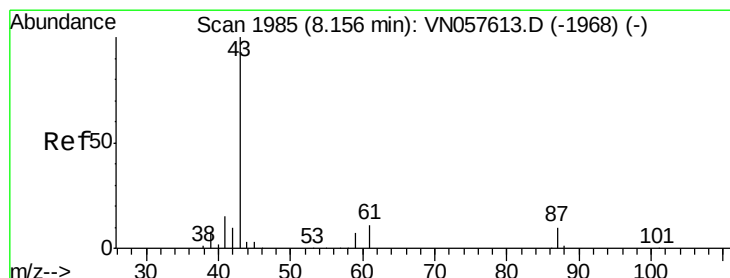
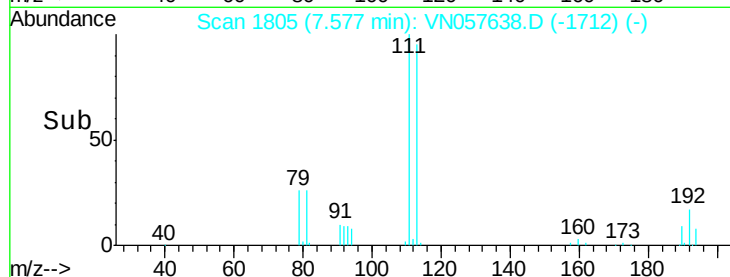
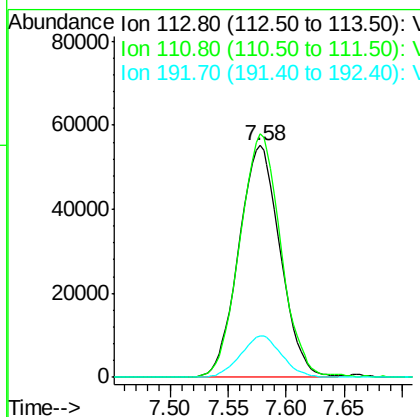
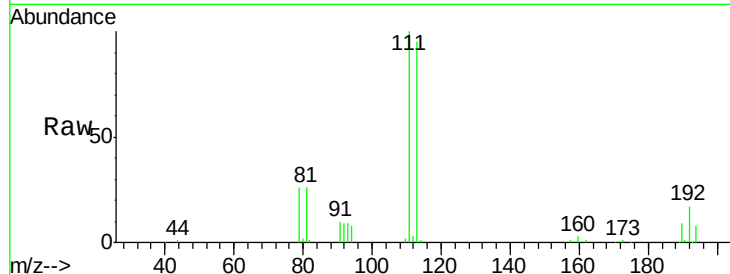




#35  
 Dibromofluoromethane  
 Concen: 47.993 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: VN057638.D  
 Acq: 1 Sep 2019 12:40

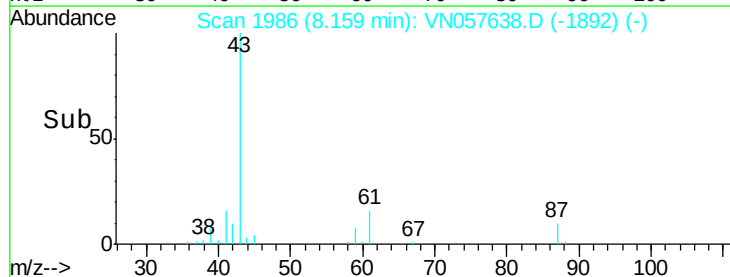
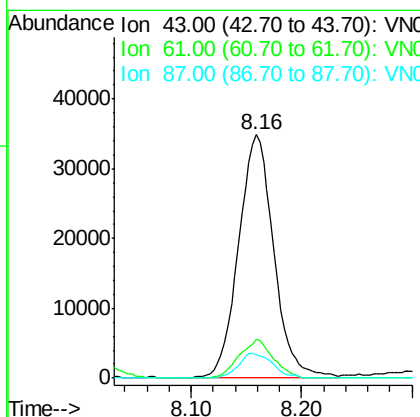
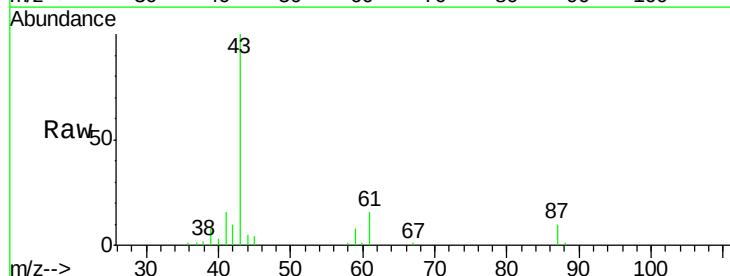
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB-4-28-30

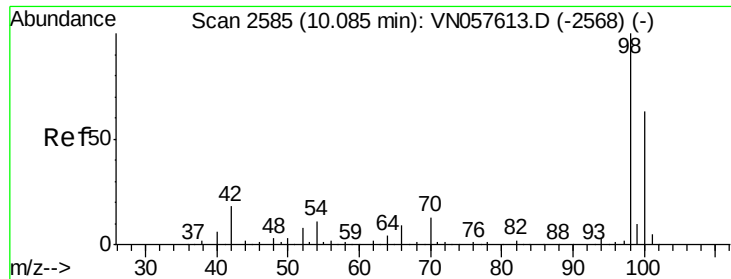
Tot Ion:113 Resp: 137223  
 Ion Ratio Lower Upper  
 113 100  
 111 104.2 81.3 121.9  
 192 17.7 13.5 20.3



#43  
 Isopropyl Acetate  
 Concen: 10.376 ug/l  
 RT: 8.16 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VN057638.D  
 Acq: 1 Sep 2019 12:40

Tgt Ion: 43 Resp: 77188  
 Ion Ratio Lower Upper  
 43 100  
 61 15.2 13.1 19.7  
 87 9.9 8.1 12.1





#50

Toluene-d8

Concen: 49.219 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

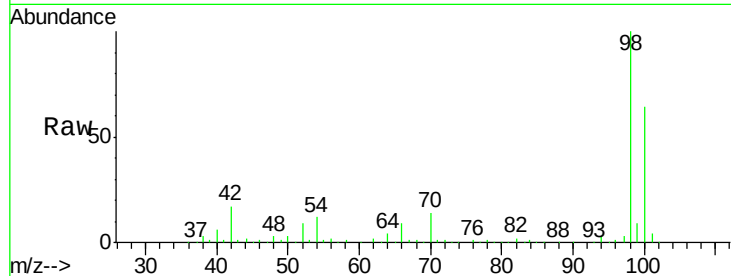
SB-4-28-30

Tot Ion: 98 Resp: 540290

Ion Ratio Lower Upper

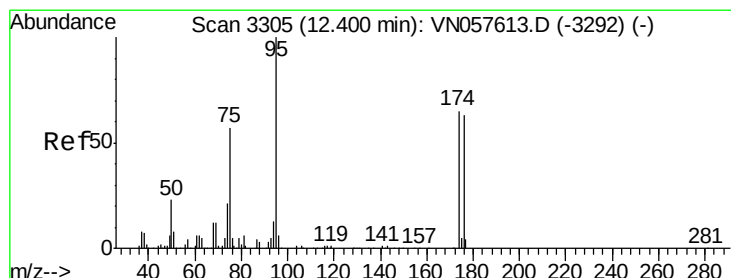
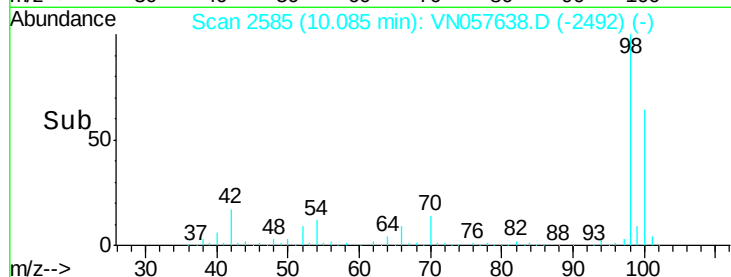
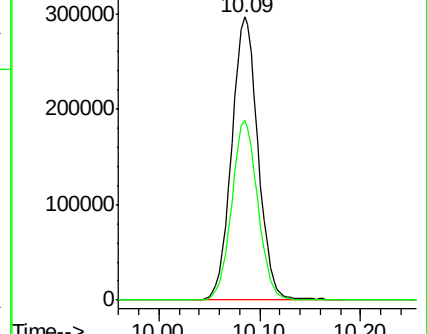
98 100

100 62.9 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 38.006 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

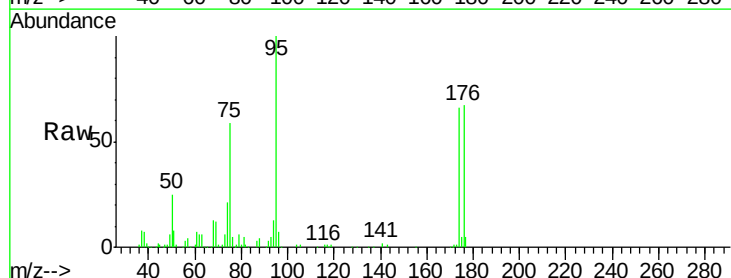
Tgt Ion: 95 Resp: 158648

Ion Ratio Lower Upper

95 100

174 66.6 0.0 134.8

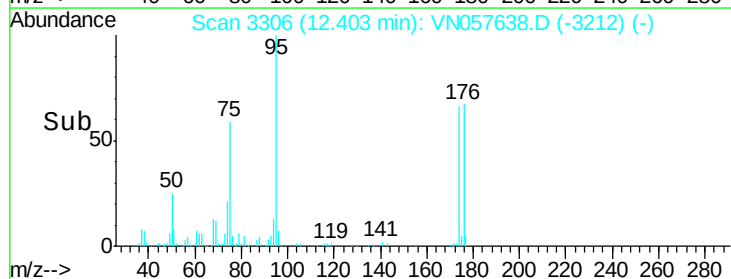
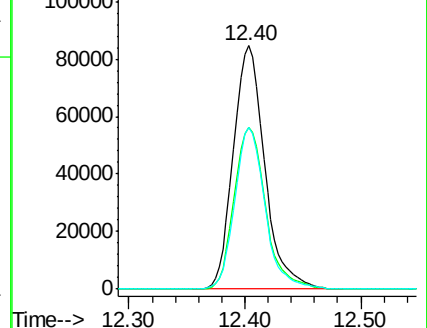
176 63.9 0.0 131.6

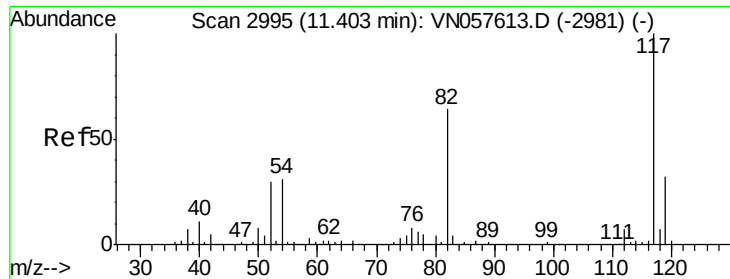


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA\_N

ClientSampled :

SB-4-28-30

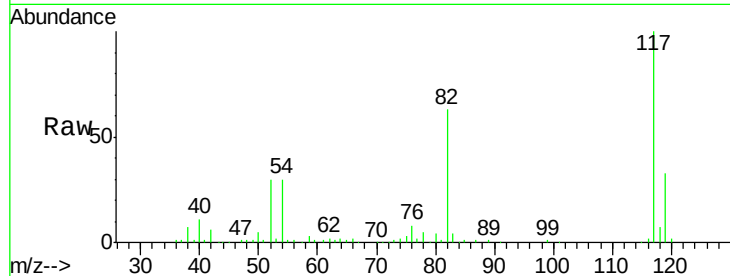
Tot Ion:117 Resp: 281041

Ion Ratio Lower Upper

117 100

82 62.9 51.6 77.4

119 32.7 25.8 38.6

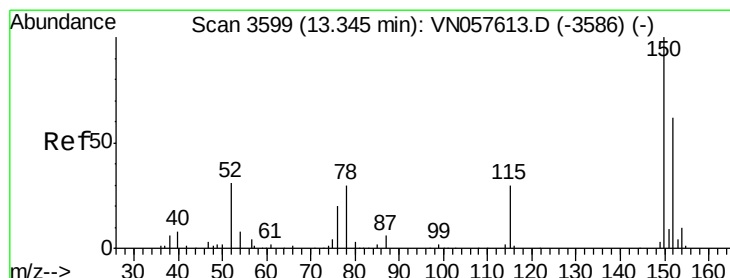
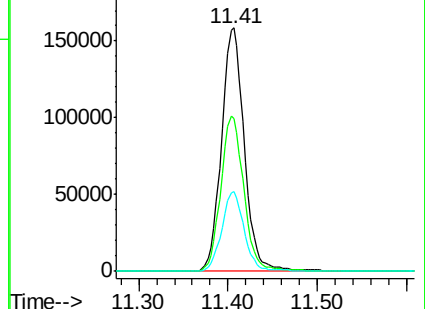
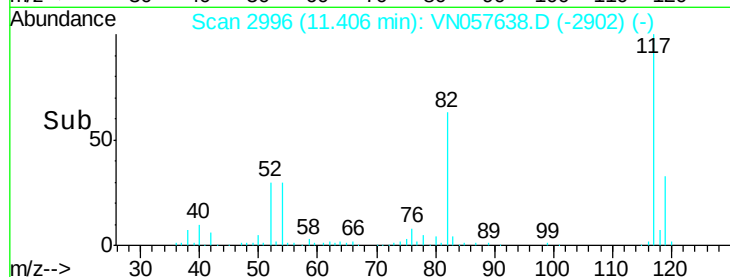


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

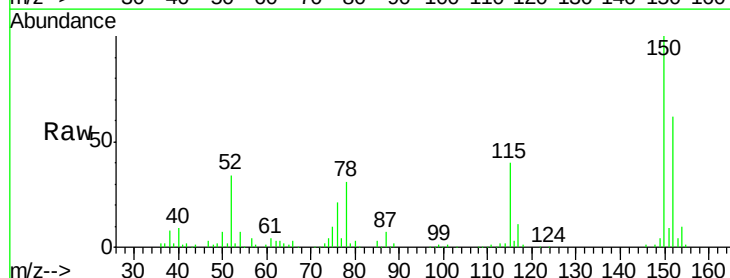
Tgt Ion:152 Resp: 89891

Ion Ratio Lower Upper

152 100

115 64.8 33.2 99.6

150 161.0 0.0 365.2

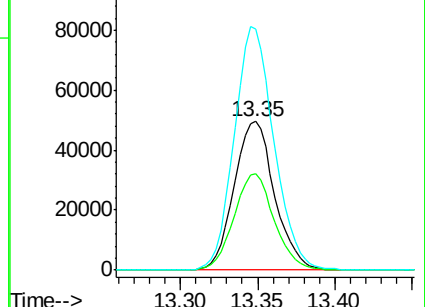
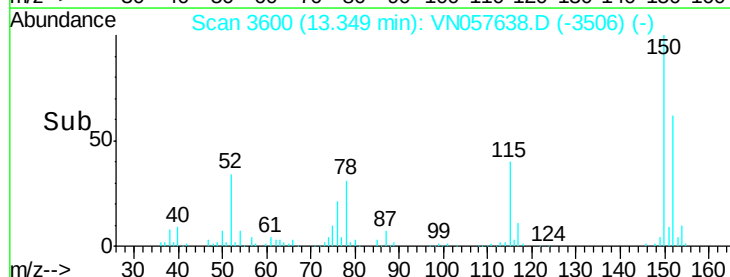


Abundance Ion 151.90 (151.60 to 152.60): V

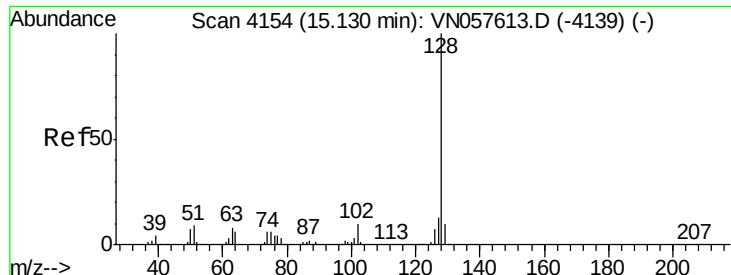
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



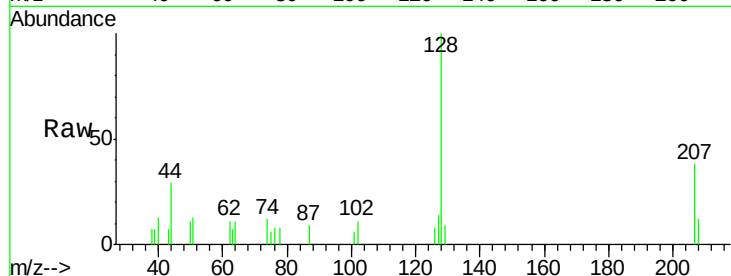




#95  
Naphthalene  
Concen: 7.863 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN057638.D  
Acq: 1 Sep 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
SB-4-28-30

Tot Ion:128 Resp: 4302  
Ion Ratio Lower Upper  
128 100  
127 11.5 10.2 15.2  
129 6.6 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

