

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\  
 Data File : VN057432.D  
 Acq On : 20 Aug 2019 5:16  
 Operator : JC/SP  
 Sample : K4386-37  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T6-A2-(2)

Quant Time: Aug 20 09:38:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 15 11:33:14 2019  
 Response via : Initial Calibration

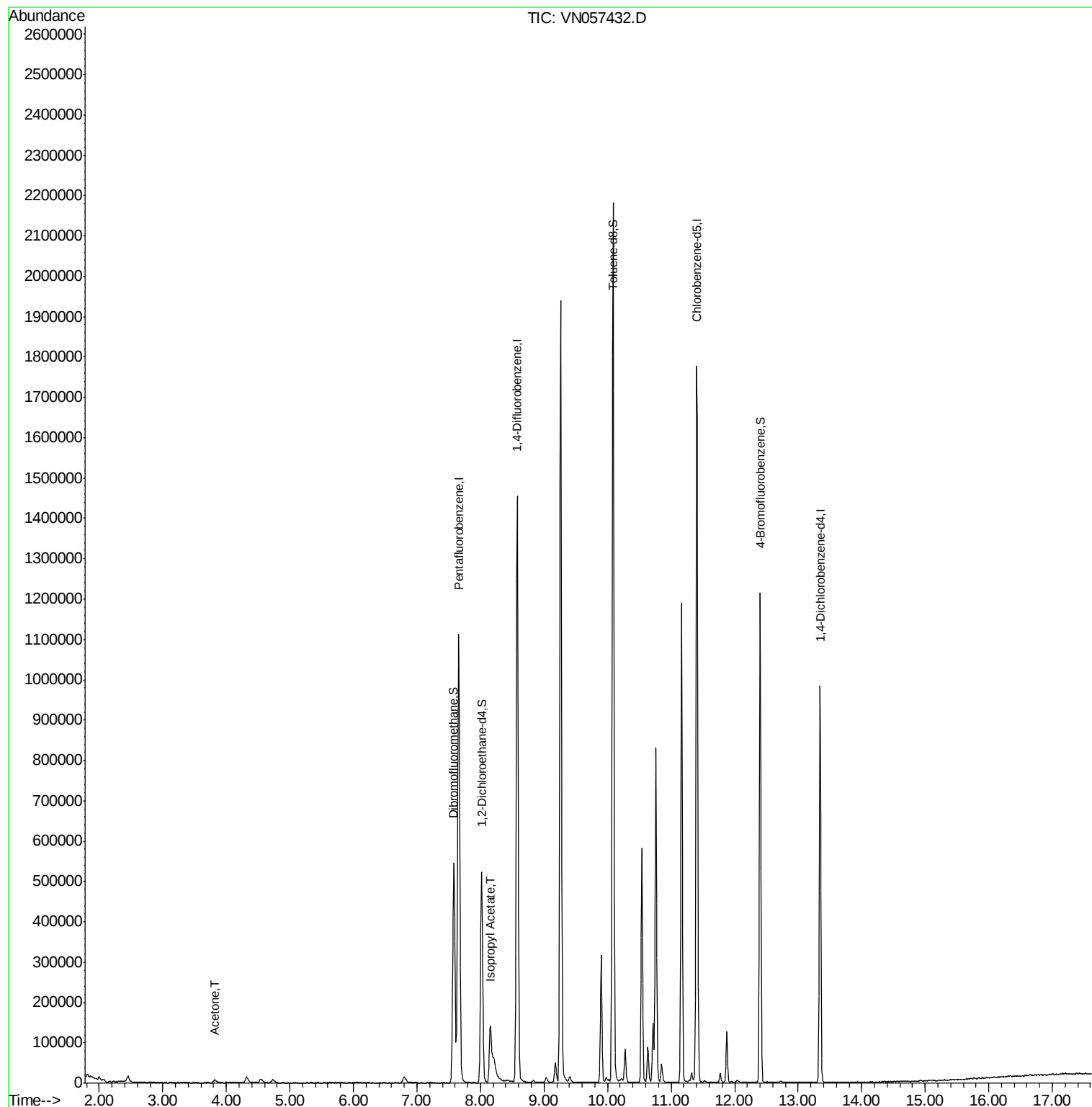
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 1015769  | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 1403309  | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1155726  | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 294376   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 456189   | 41.31 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 82.62% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 419078   | 45.56 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.12% |          |
| 50) Toluene-d8              | 10.08 | 98   | 1608851  | 47.82 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.64% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 412566   | 34.70 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 69.40% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 3.82  | 43   | 11679    | 3.049 | ug/l   | 95       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 179615   | 8.747 | ug/l # | 82       |

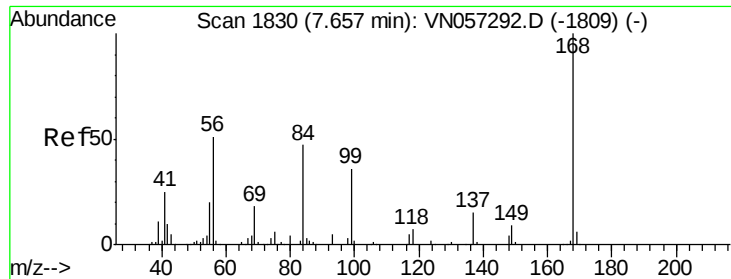
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Aug 15 11:33:14 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057432.D

Acq: 20 Aug 2019 5:16

Instrument :

MSVOA\_N

ClientSampleId :

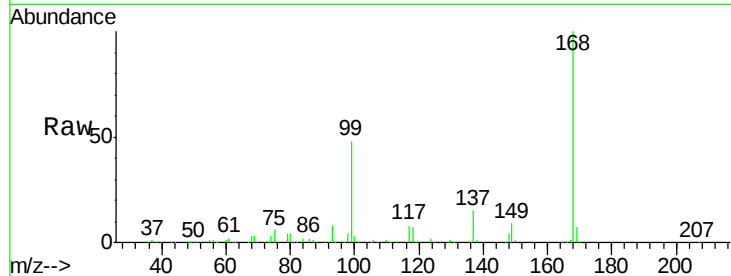
T6-A2-(2)

Tot Ion:168 Resp: 1015769

Ion Ratio Lower Upper

168 100

99 47.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN057292.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057292.D (-1809) (-)

7.66

400000

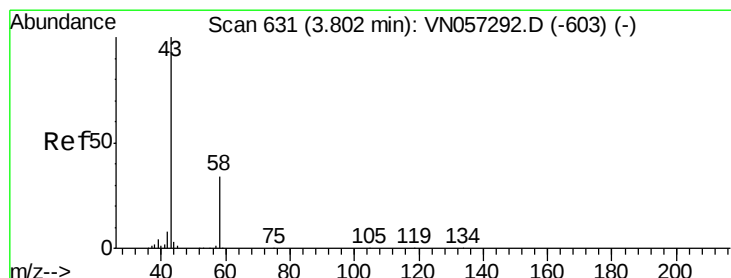
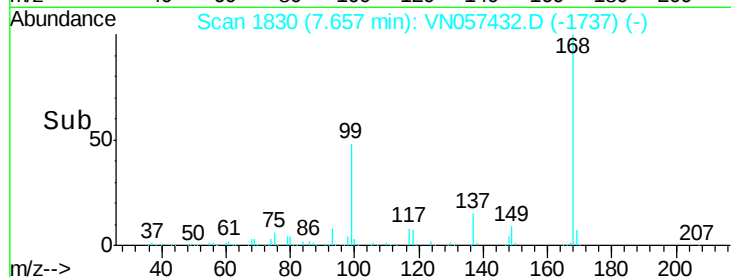
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.049 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.02 min

Lab File: VN057432.D

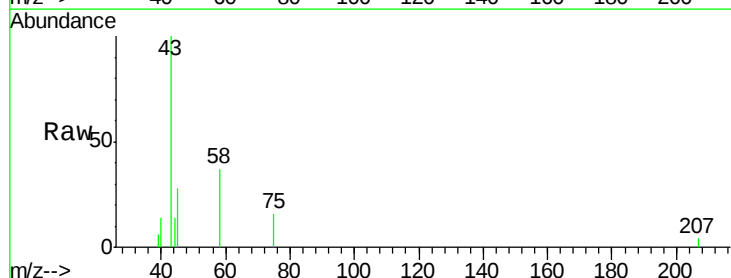
Acq: 20 Aug 2019 5:16

Tgt Ion: 43 Resp: 11679

Ion Ratio Lower Upper

43 100

58 36.6 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN057292.D (-603) (-)

3.82

4000

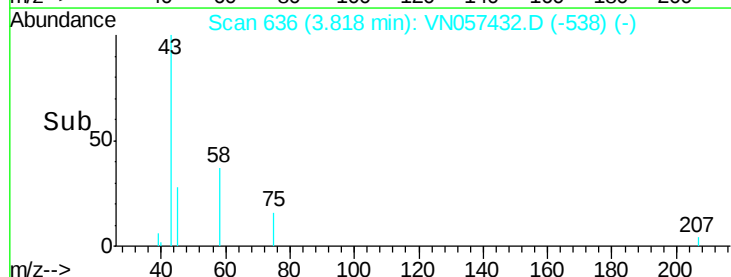
3000

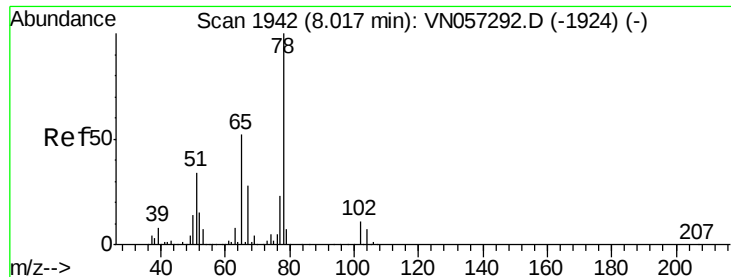
2000

1000

0

Time-->

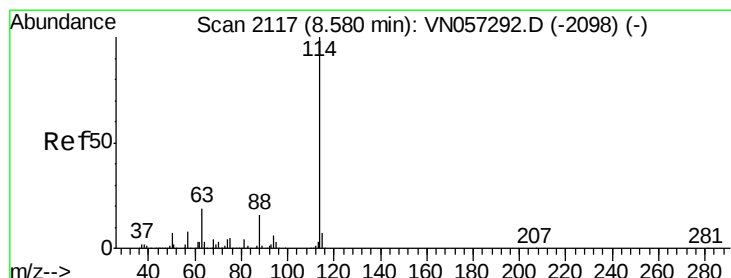
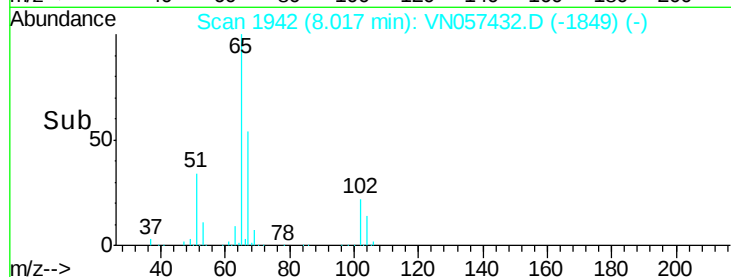
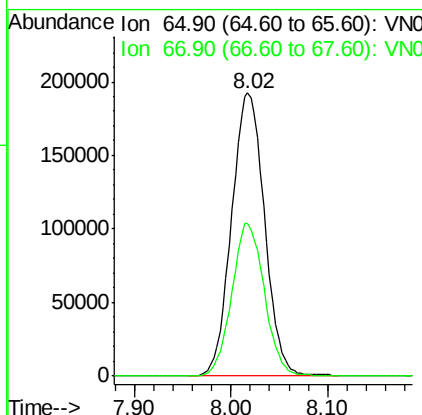
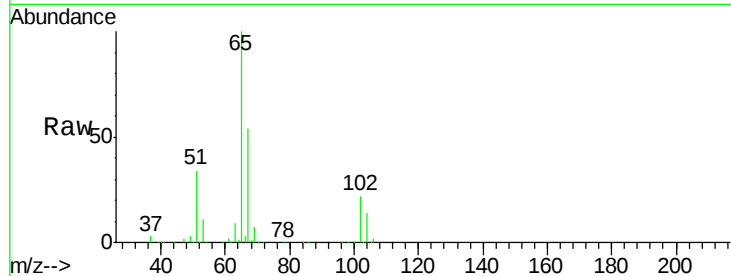




#33  
 1,2-Dichloroethane-d4  
 Concen: 41.312 ug/l  
 RT: 8.02 min Scan# 1942  
 Delta R.T. 0.00 min  
 Lab File: VN057432.D  
 Acq: 20 Aug 2019 5:16

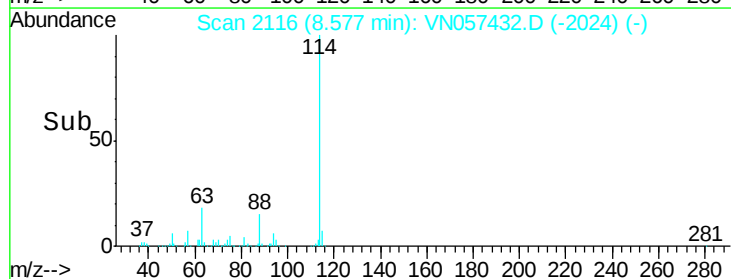
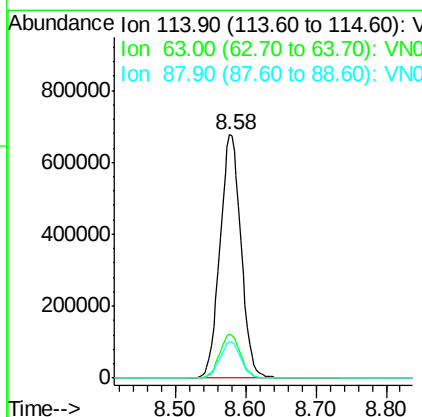
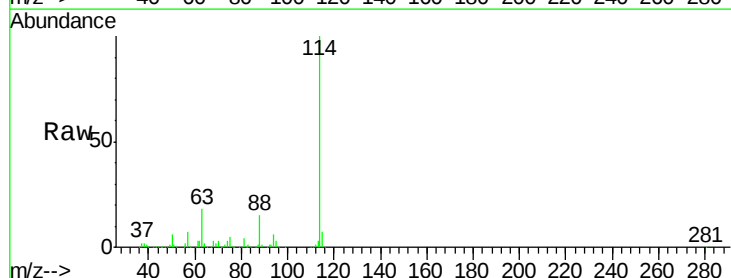
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T6-A2-(2)

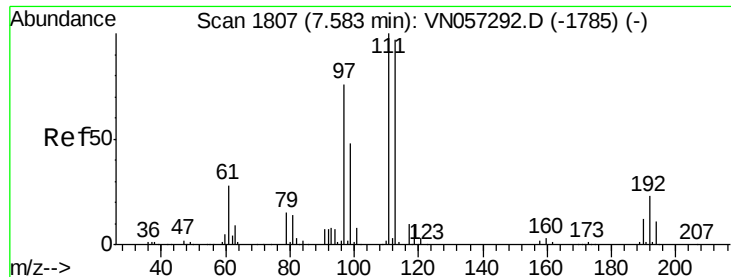
Tot Ion: 65 Resp: 456189  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. -0.00 min  
 Lab File: VN057432.D  
 Acq: 20 Aug 2019 5:16

Tgt Ion: 114 Resp: 1403309  
 Ion Ratio Lower Upper  
 114 100  
 63 17.9 0.0 38.8  
 88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.557 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN057432.D

Acq: 20 Aug 2019 5:16

Instrument :

MSVOA\_N

ClientSampleId :

T6-A2-(2)

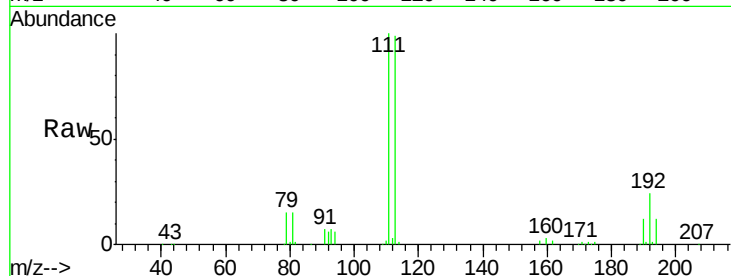
Tot Ion:113 Resp: 419078

Ion Ratio Lower Upper

113 100

111 102.5 82.1 123.1

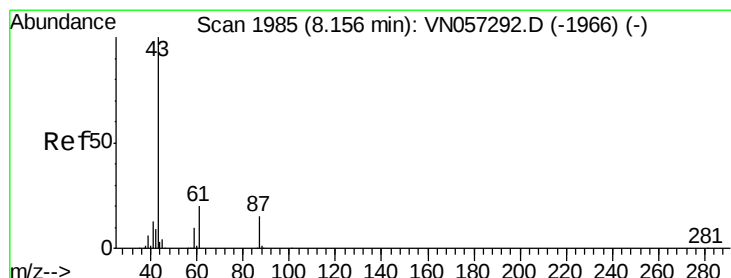
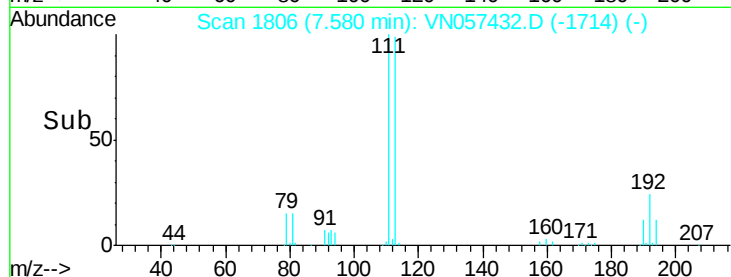
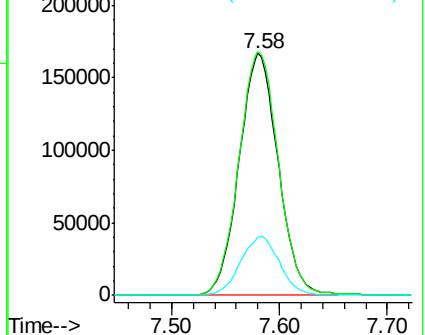
192 24.4 19.3 28.9



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: 8.747 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057432.D

Acq: 20 Aug 2019 5:16

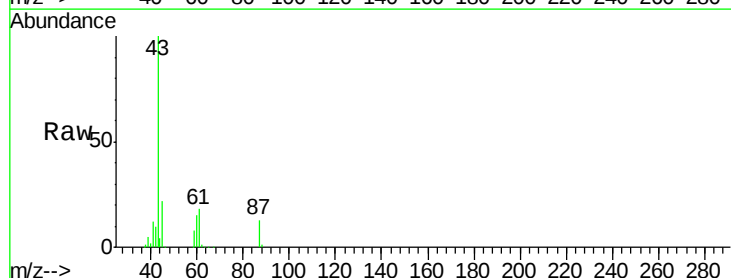
Tgt Ion: 43 Resp: 179615

Ion Ratio Lower Upper

43 100

61 15.5 21.6 32.4#

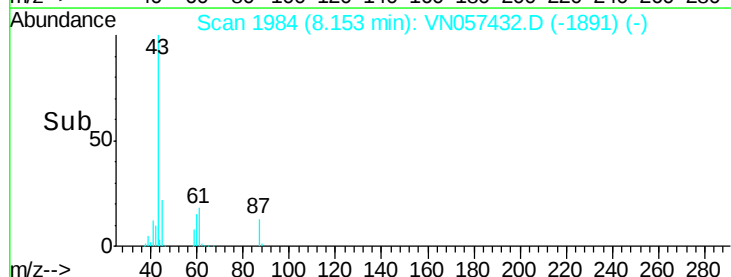
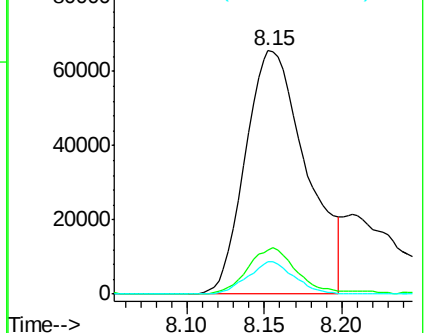
87 10.1 11.4 17.0#

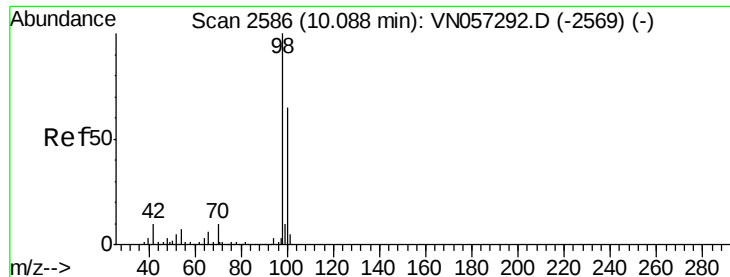


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 47.818 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057432.D

Acq: 20 Aug 2019 5:16

Instrument :

MSVOA\_N

ClientSampleId :

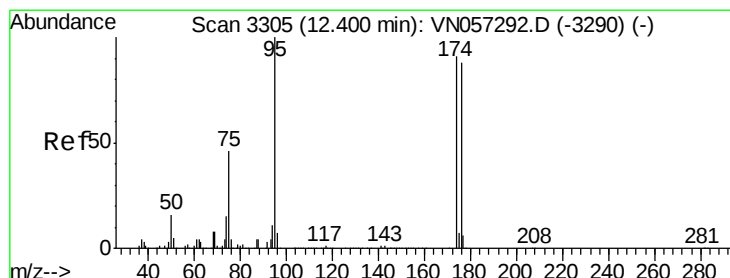
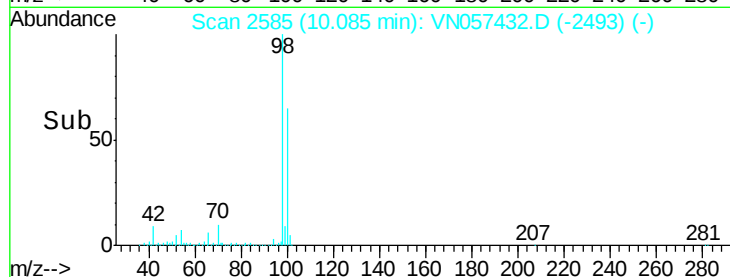
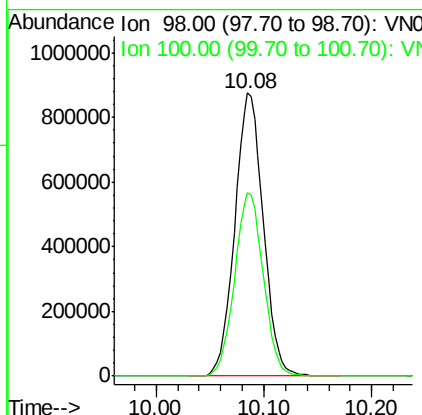
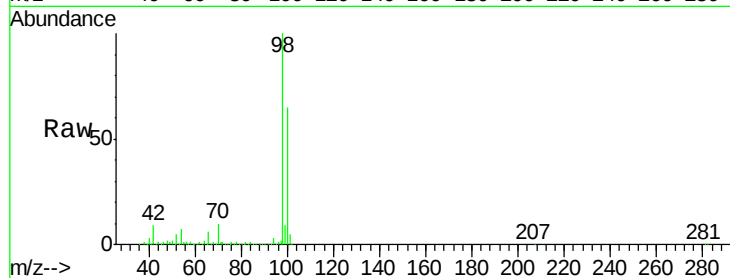
T6-A2-(2)

Tot Ion: 98 Resp: 1608851

Ion Ratio Lower Upper

98 100

100 65.3 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 34.698 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057432.D

Acq: 20 Aug 2019 5:16

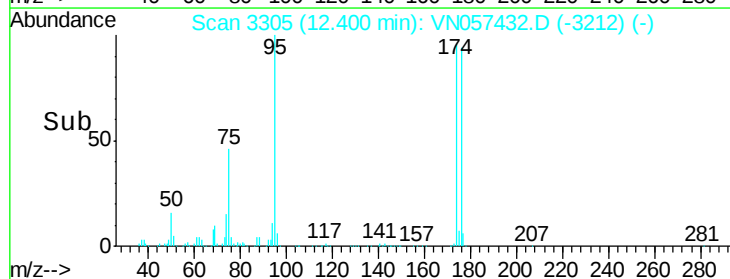
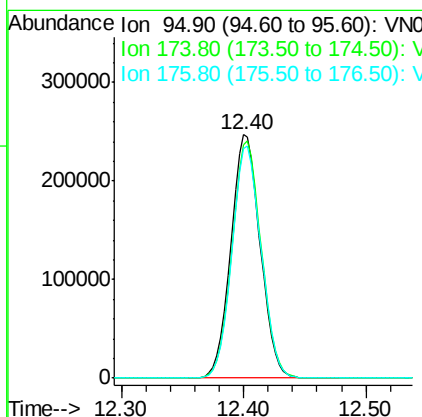
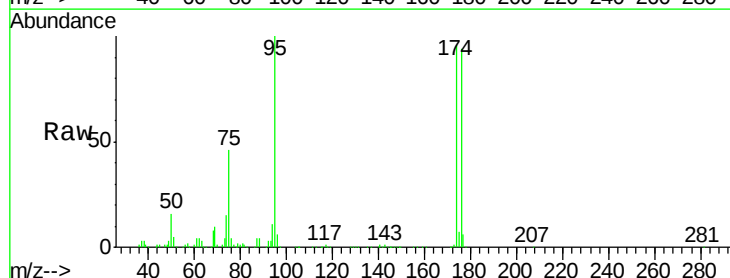
Tgt Ion: 95 Resp: 412566

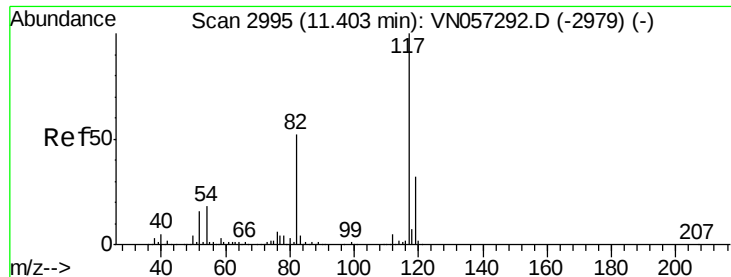
Ion Ratio Lower Upper

95 100

174 97.1 0.0 185.0

176 94.9 0.0 181.0

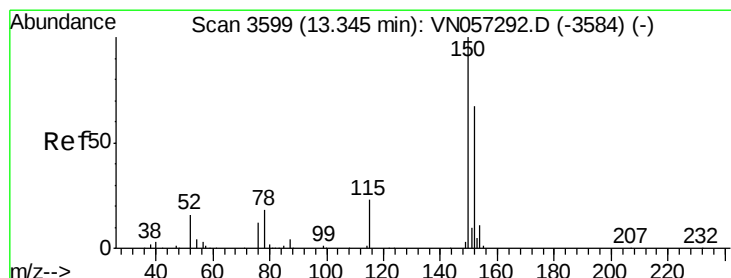
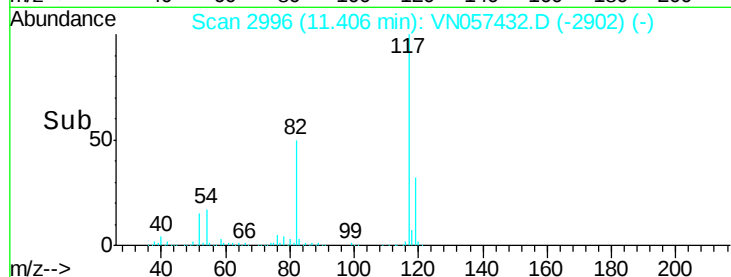
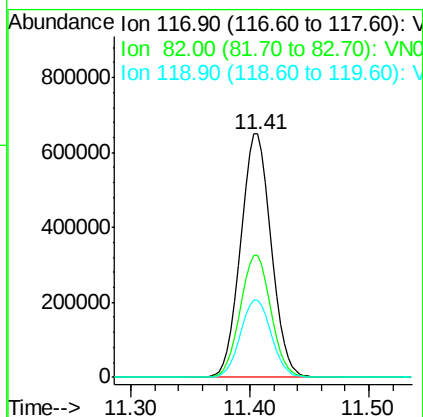
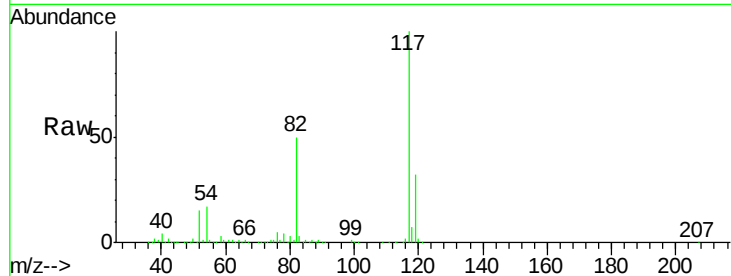




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057432.D  
Acq: 20 Aug 2019 5:16

Instrument :  
MSVOA\_N  
ClientSampled :  
T6-A2-(2)

Tot Ion:117 Resp: 1155726  
Ion Ratio Lower Upper  
117 100  
82 50.2 41.2 61.8  
119 31.6 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN057432.D  
Acq: 20 Aug 2019 5:16

Tgt Ion:152 Resp: 294376  
Ion Ratio Lower Upper  
152 100  
115 54.5 27.3 81.9  
150 155.8 0.0 344.4

