

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\  
 Data File : VN060386.D  
 Acq On : 6 Mar 2020 17:21  
 Operator : JC/MD  
 Sample : L1761-05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-04-030420

Quant Time: Mar 07 04:16:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

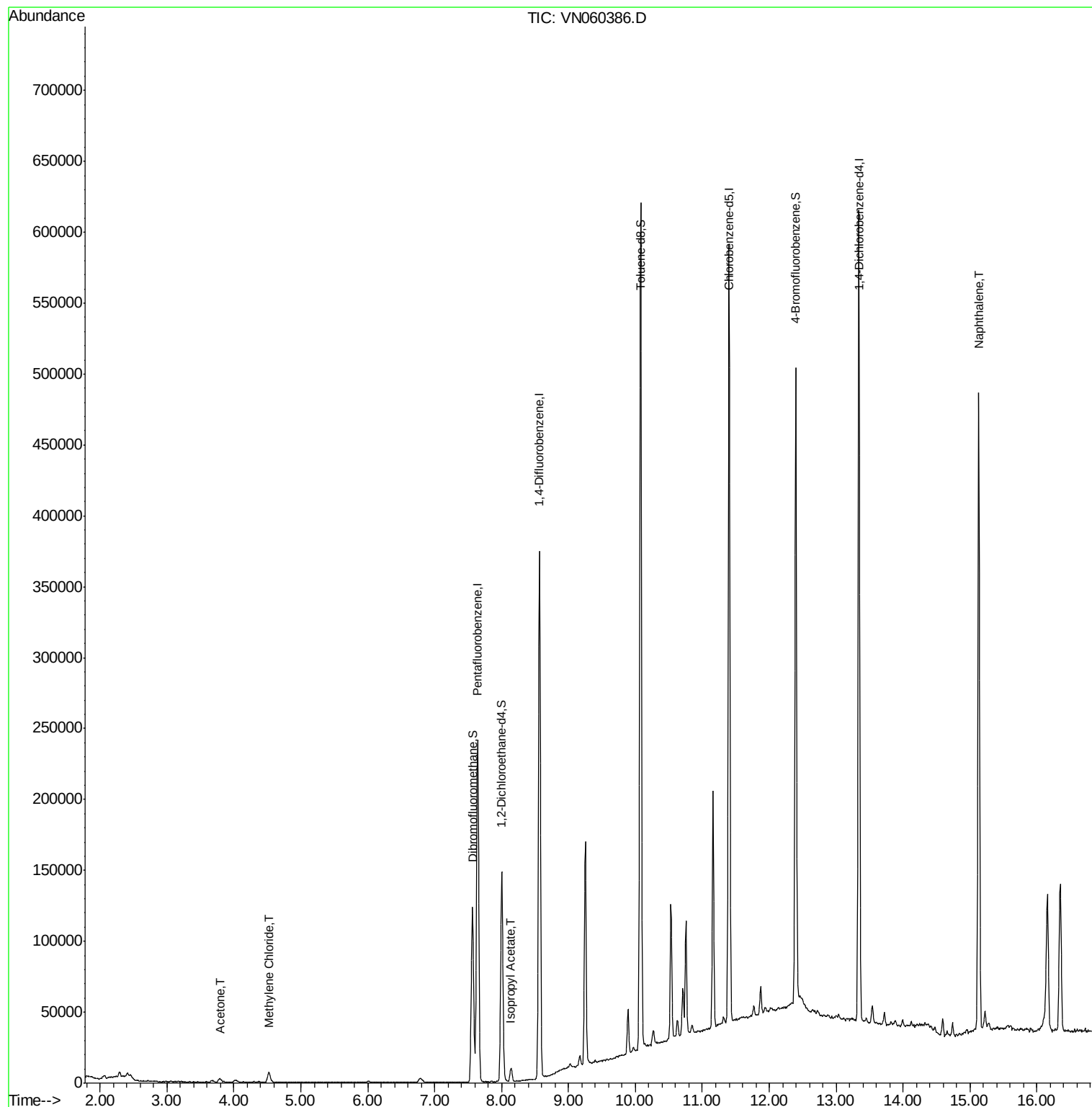
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 198943   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 330877   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 312580   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 149183   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 128864   | 50.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.98% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 94947    | 61.82  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 123.64% |          |
| 50) Toluene-d8              | 10.08 | 98   | 407058   | 52.37  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.74% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 154897   | 52.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.14% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.79  | 43   | 5251     | 6.370  | ug/l    | 93       |
| 20) Methylene Chloride      | 4.51  | 84   | 5399     | 2.385  | ug/l    | 93       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 11318    | 2.165  | ug/l #  | 91       |
| 95) Naphthalene             | 15.13 | 128  | 385560   | 43.340 | ug/l    | 100      |

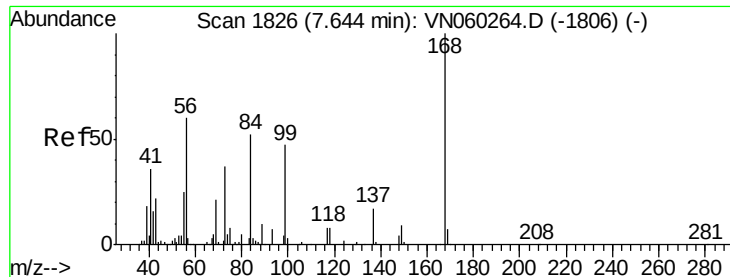
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030620\  
Data File : VN060386.D  
Acq On : 6 Mar 2020 17:21  
Operator : JC/MD  
Sample : L1761-05  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-04-030420

Quant Time: Mar 07 04:16:38 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 27 13:52:50 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060386.D

Acq: 6 Mar 2020 17:21

Instrument :

MSVOA\_N

ClientSampleId :

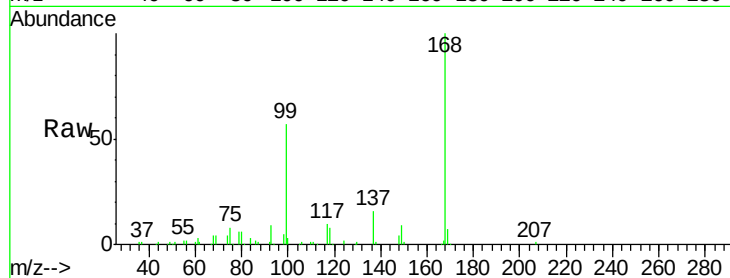
SU-04-030420

Tot Ion:168 Resp: 198943

Ion Ratio Lower Upper

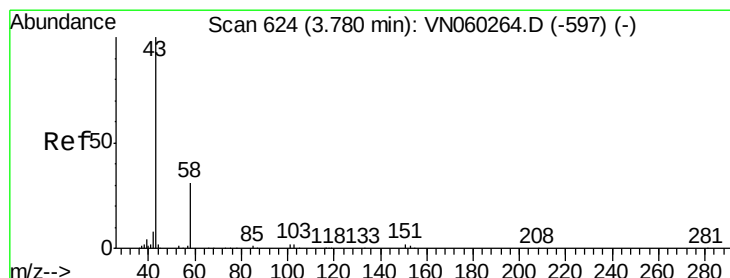
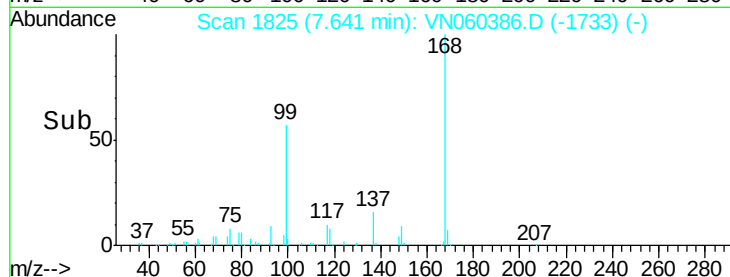
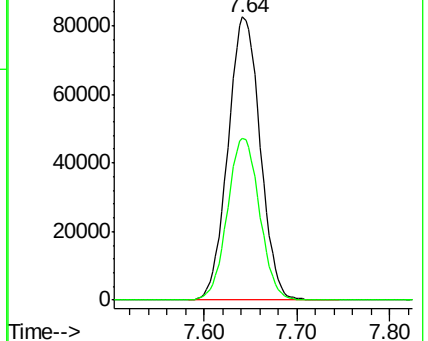
168 100

99 57.2 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 6.370 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060386.D

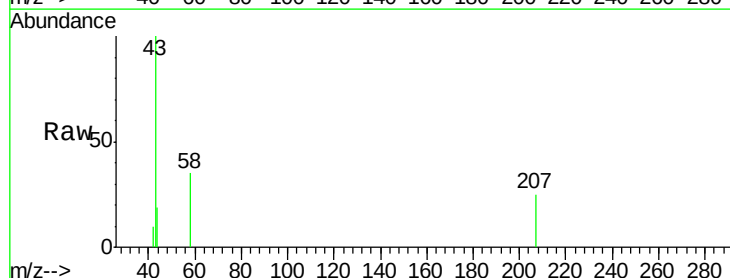
Acq: 6 Mar 2020 17:21

Tgt Ion: 43 Resp: 5251

Ion Ratio Lower Upper

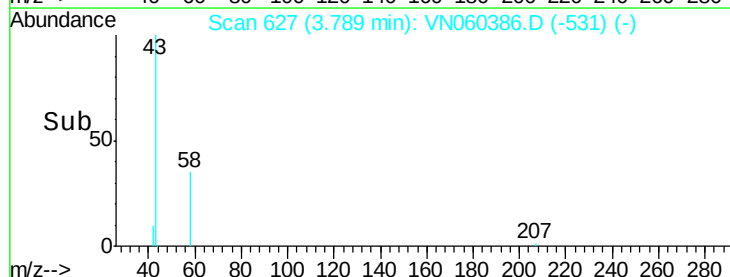
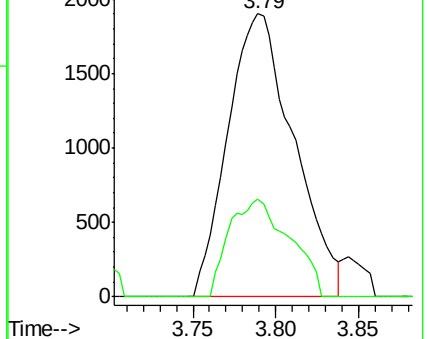
43 100

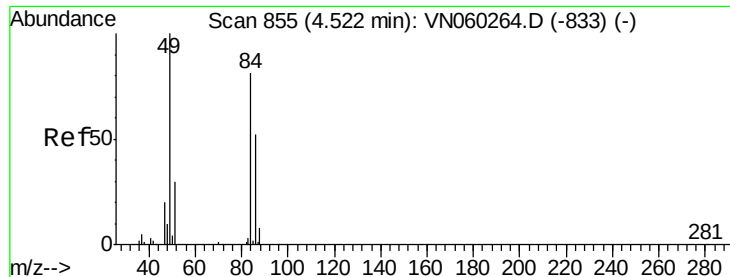
58 34.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

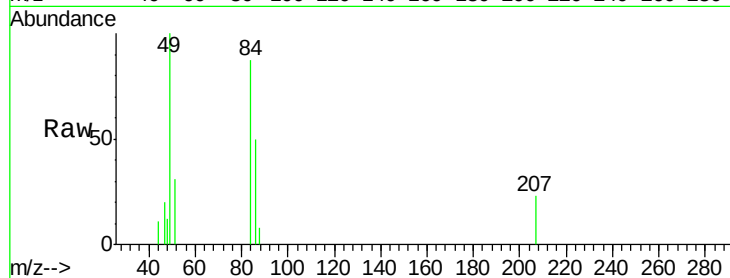




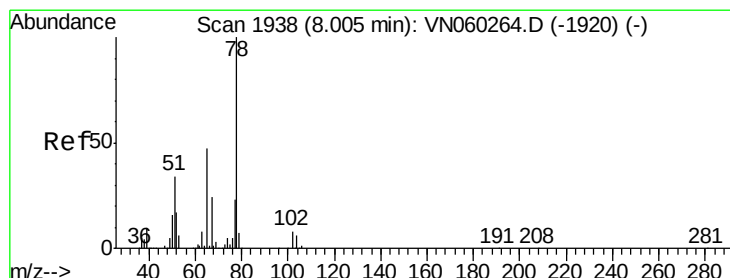
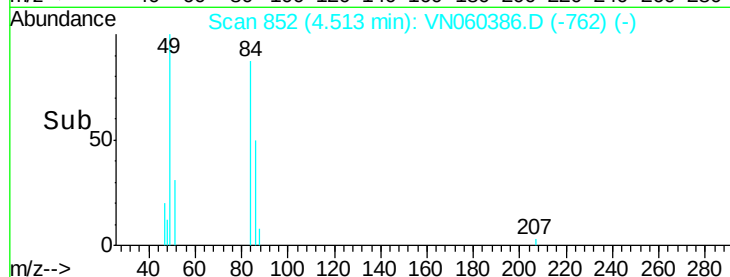
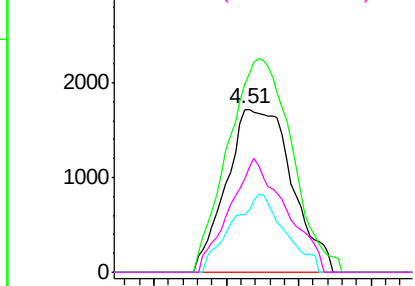
#20  
Methylene Chloride  
Concen: 2.385 ug/l  
RT: 4.51 min Scan# 852  
Delta R.T. -0.01 min  
Lab File: VN060386.D  
Acq: 6 Mar 2020 17:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-04-030420

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 5399  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 115.1 | 99.3  | 148.9 |
| 51       | 35.3  | 30.1  | 45.1  |
| 86       | 57.3  | 51.1  | 76.7  |

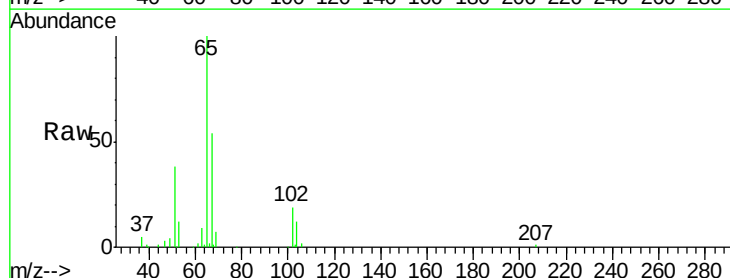


Abundance Ion 83.90 (83.60 to 84.60): VNO  
Ion 48.90 (48.60 to 49.60): VNO  
Ion 50.90 (50.60 to 51.60): VNO  
Ion 85.90 (85.60 to 86.60): VNO

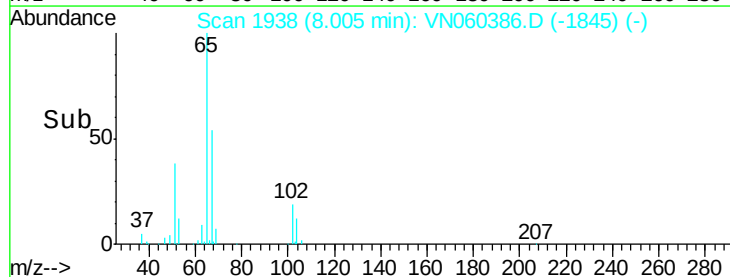
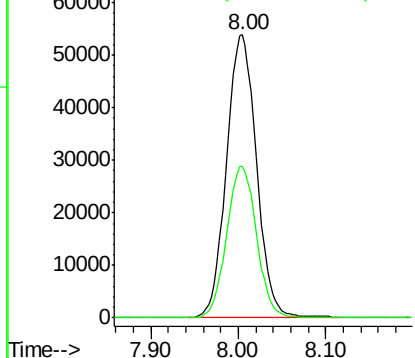


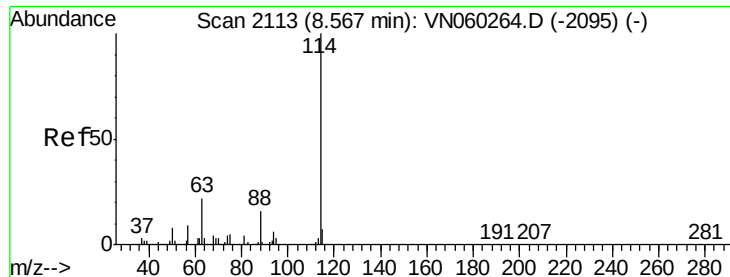
#33  
1,2-Dichloroethane-d4  
Concen: 50.486 ug/l  
RT: 8.00 min Scan# 1938  
Delta R.T. -0.00 min  
Lab File: VN060386.D  
Acq: 6 Mar 2020 17:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 128864 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.9  | 0.0   | 103.8  |



Abundance Ion 64.90 (64.60 to 65.60): VNO  
Ion 66.90 (66.60 to 67.60): VNO

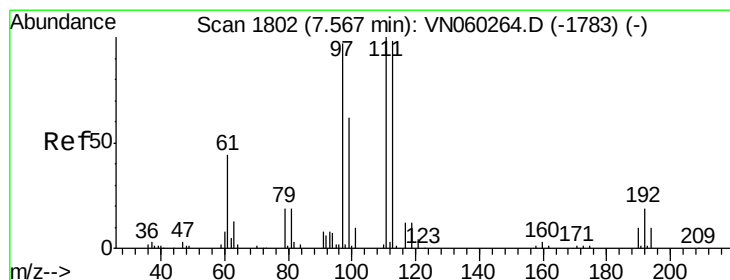
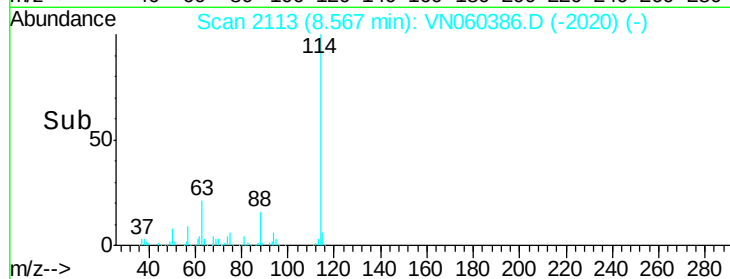
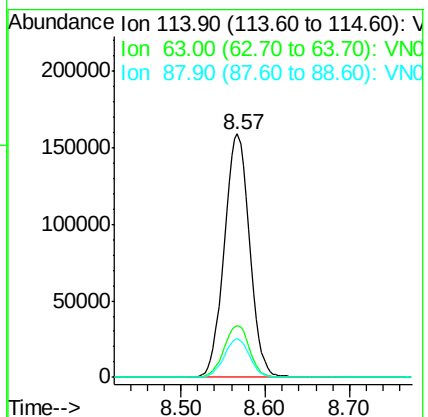
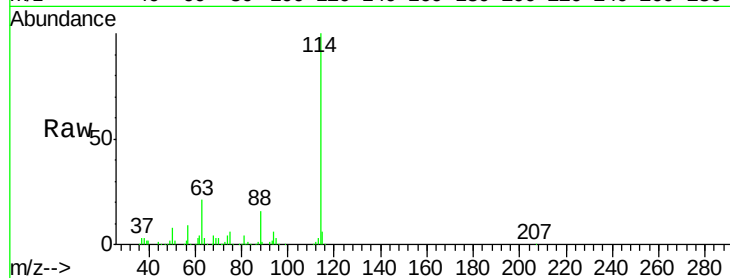




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.57 min Scan# 2113  
Delta R.T. -0.00 min  
Lab File: VN060386.D  
Acq: 6 Mar 2020 17:21

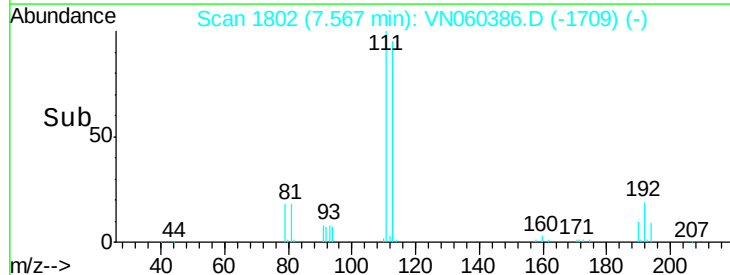
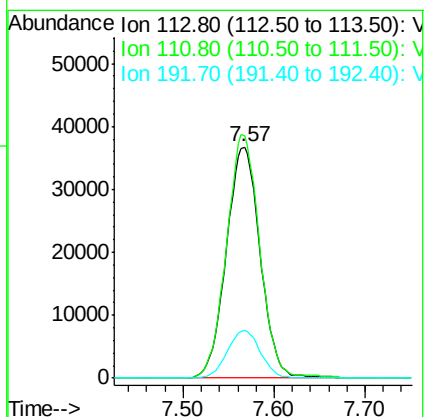
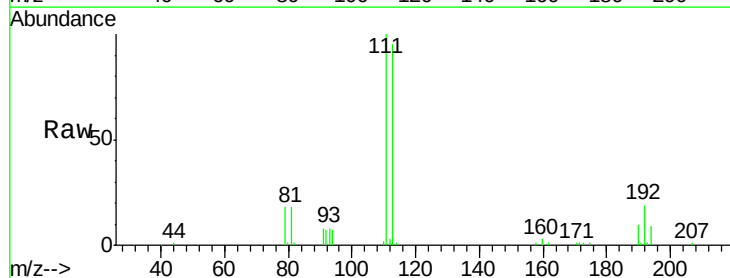
Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-04-030420

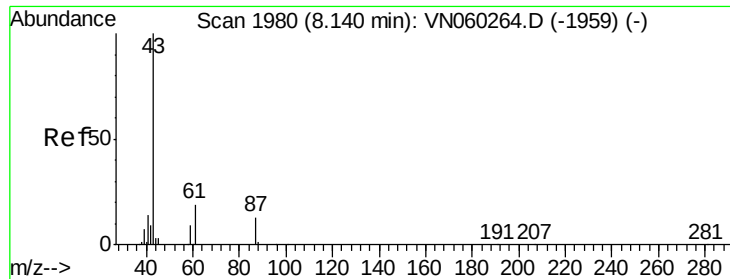
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.2  | 0.0   | 43.2  |
| 88      | 15.7  | 0.0   | 31.6  |



#35  
Dibromofluoromethane  
Concen: 61.822 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. -0.00 min  
Lab File: VN060386.D  
Acq: 6 Mar 2020 17:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 82.4  | 123.6 |
| 192     | 20.1  | 16.2  | 24.2  |





#43

Isopropyl Acetate

Concen: 2.165 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060386.D

Acq: 6 Mar 2020 17:21

Instrument :

MSVOA\_N

ClientSampleId :

SU-04-030420

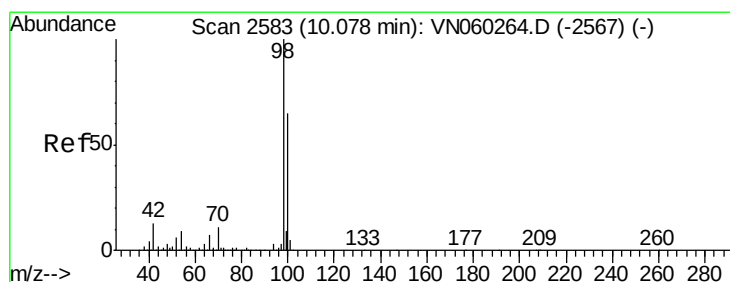
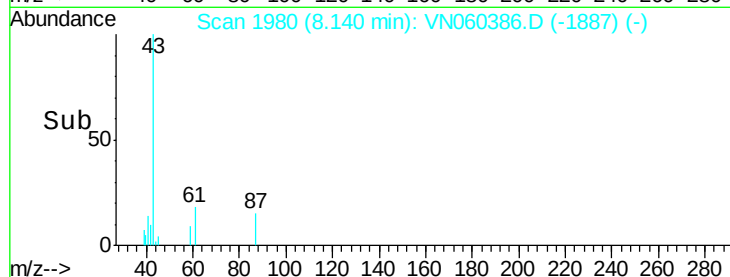
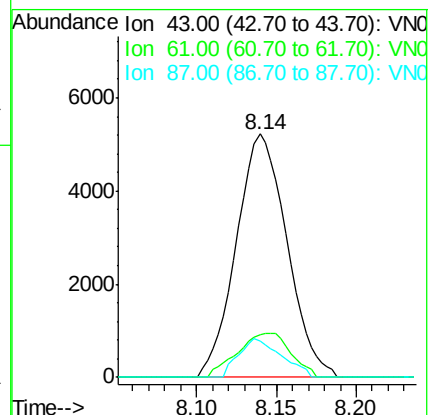
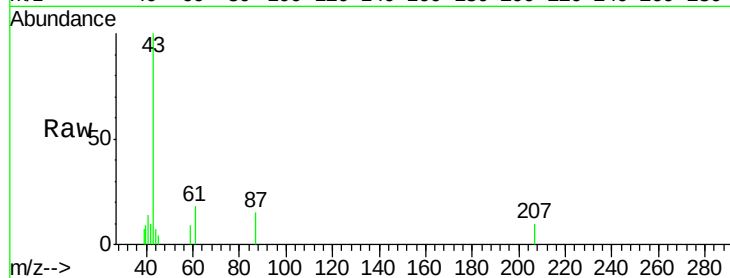
Tot Ion: 43 Resp: 11318

Ion Ratio Lower Upper

43 100

61 19.1 20.9 31.3#

87 13.2 10.6 16.0



#50

Toluene-d8

Concen: 52.368 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060386.D

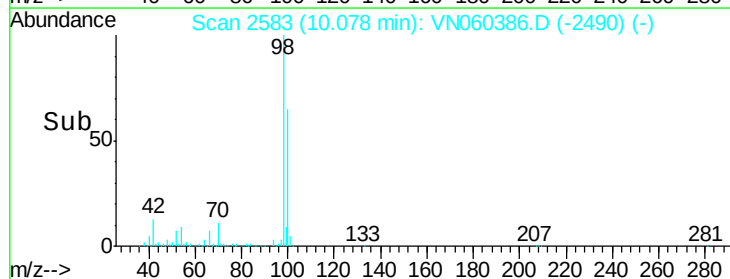
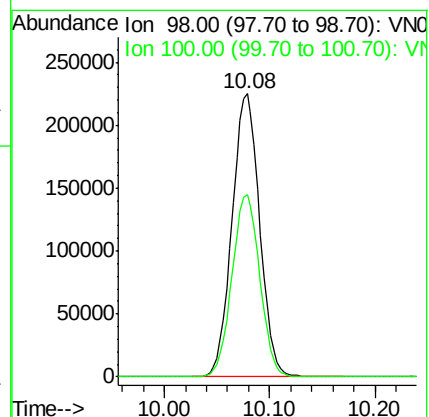
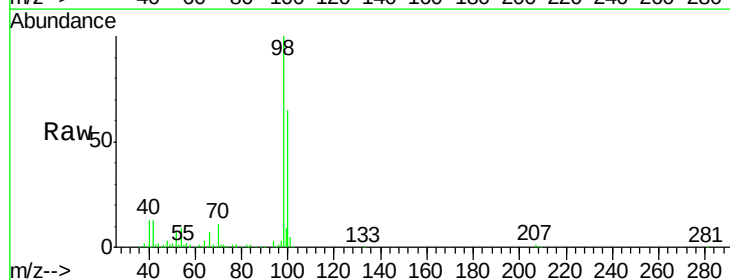
Acq: 6 Mar 2020 17:21

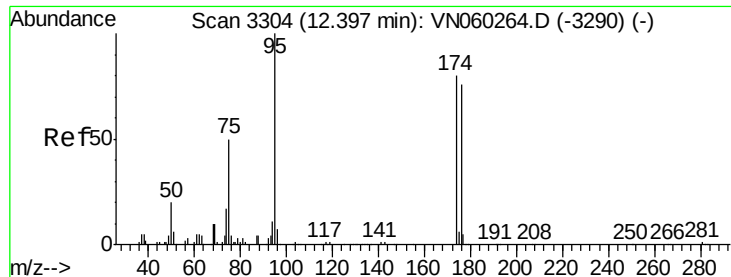
Tgt Ion: 98 Resp: 407058

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2

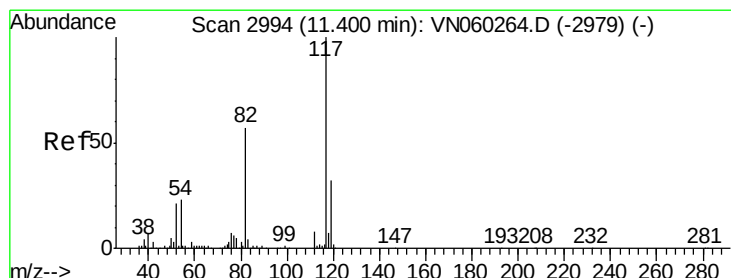
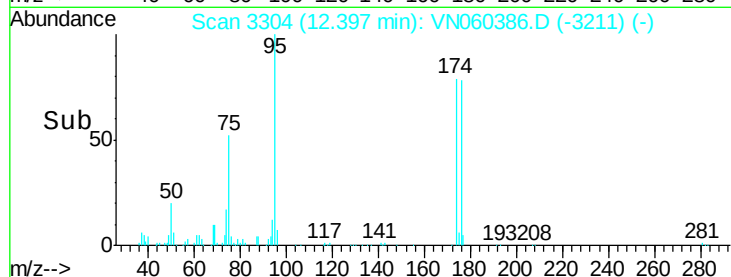
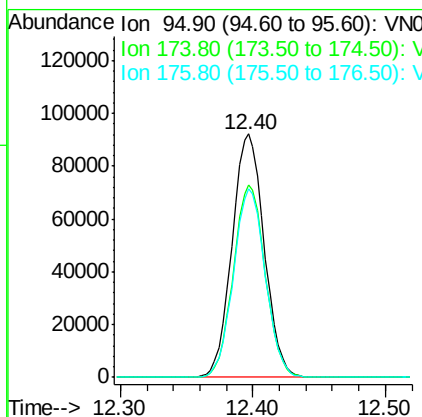
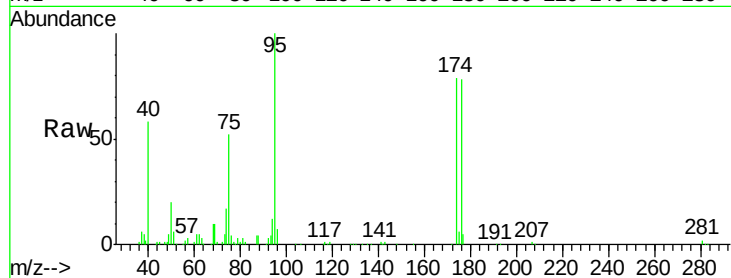




#62  
4-Bromofluorobenzene  
Concen: 52.569 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. -0.00 min  
Lab File: VN060386.D  
Acq: 6 Mar 2020 17:21

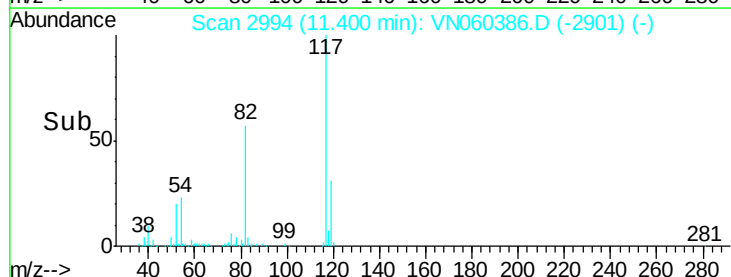
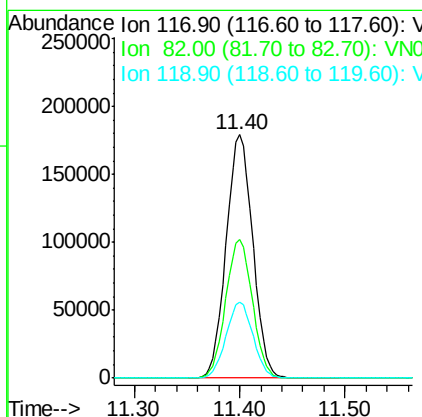
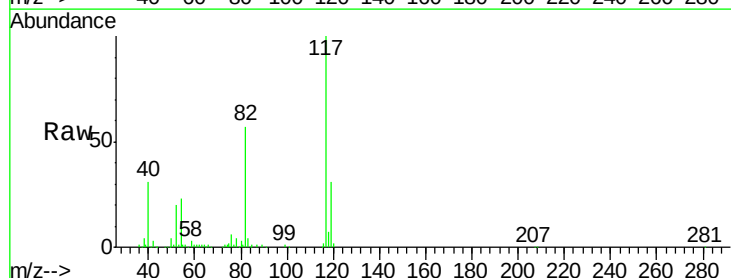
Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-04-030420

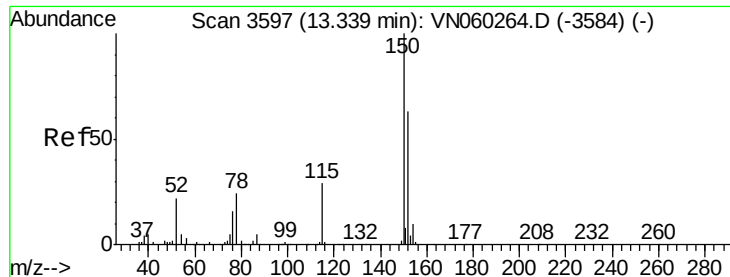
Tot Ion: 95 Resp: 154897  
Ion Ratio Lower Upper  
95 100  
174 78.4 0.0 159.2  
176 76.7 0.0 153.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060386.D  
Acq: 6 Mar 2020 17:21

Tgt Ion: 117 Resp: 312580  
Ion Ratio Lower Upper  
117 100  
82 56.8 45.8 68.6  
119 31.3 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060386.D

Acq: 6 Mar 2020 17:21

Instrument :

MSVOA\_N

ClientSampleId :

SU-04-030420

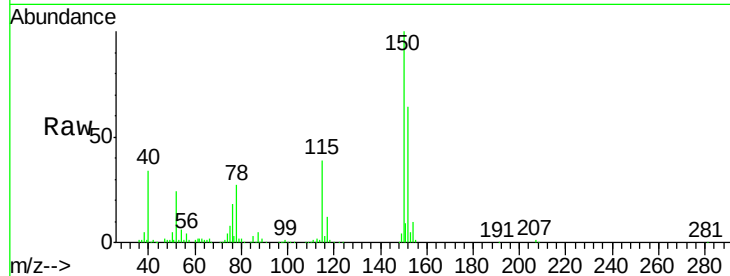
Tot Ion:152 Resp: 149183

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

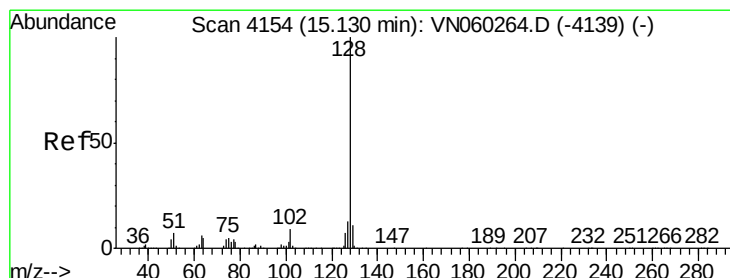
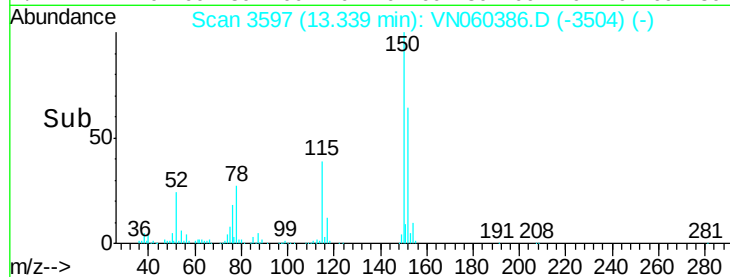
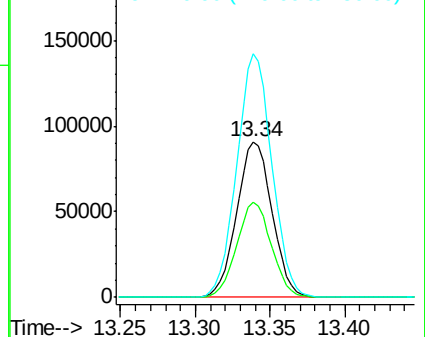
150 155.8 0.0 349.6



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



#95

Naphthalene

Concen: 43.340 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060386.D

Acq: 6 Mar 2020 17:21

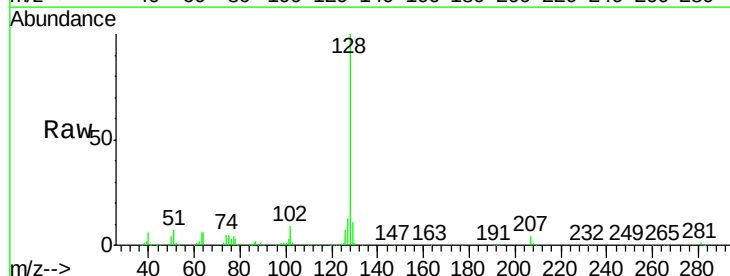
Tgt Ion:128 Resp: 385560

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.9 8.6 13.0



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

