

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031120\  
 Data File : VN060452.D  
 Acq On : 11 Mar 2020 15:57  
 Operator : JC/MD  
 Sample : L1871-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-17-SA

Quant Time: Mar 12 04:29:27 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

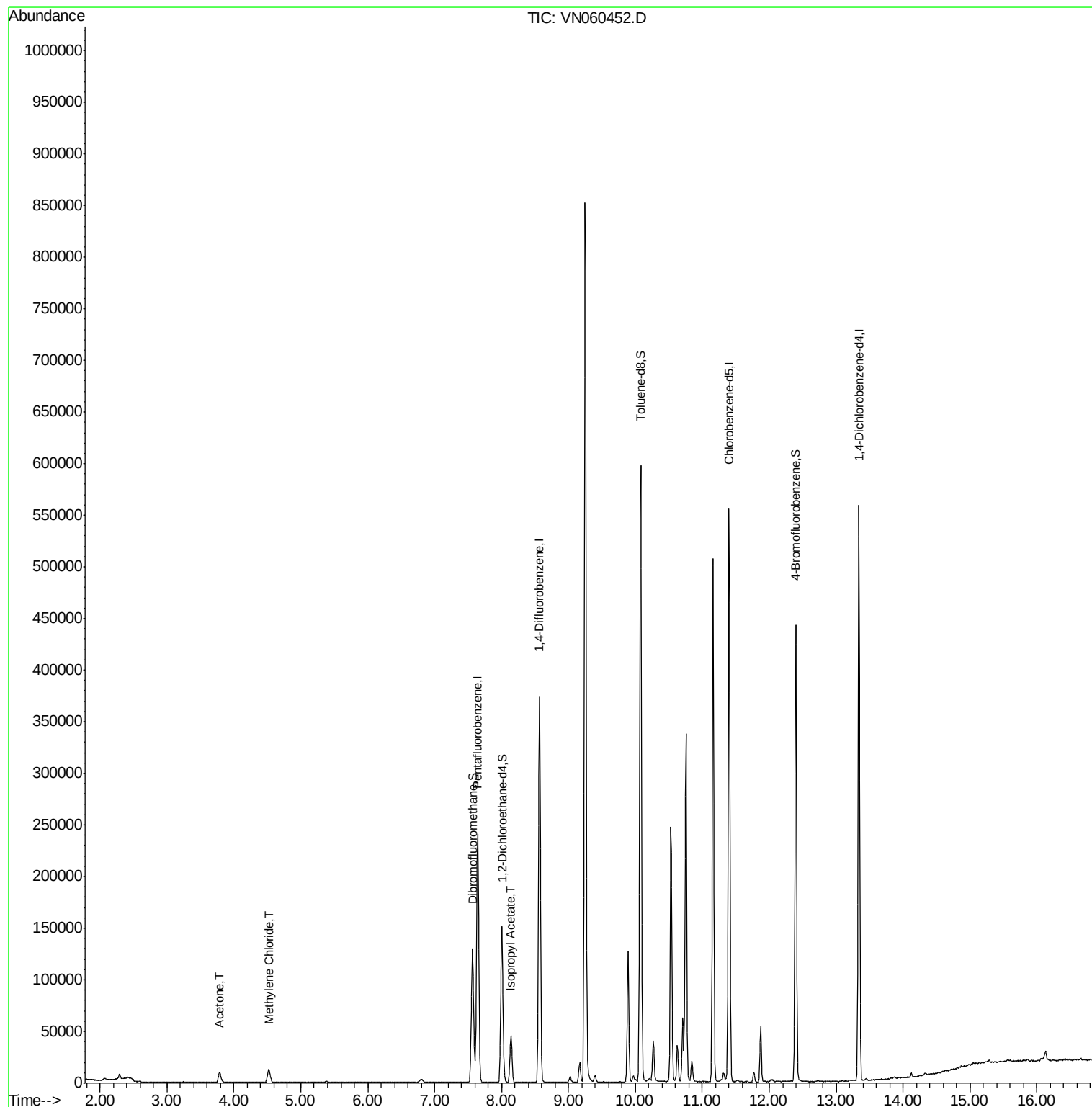
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 199212   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 328294   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 312250   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 144825   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 128878   | 50.42  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.84% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 97713    | 64.12  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 128.24% |          |
| 50) Toluene-d8              | 10.08 | 98   | 406034   | 52.65  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.30% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 153559   | 52.52  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.04% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.79  | 43   | 17828    | 21.600 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.52  | 84   | 9690     | 4.275  | ug/l    | 97       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 54366    | 10.482 | ug/l #  | 90       |

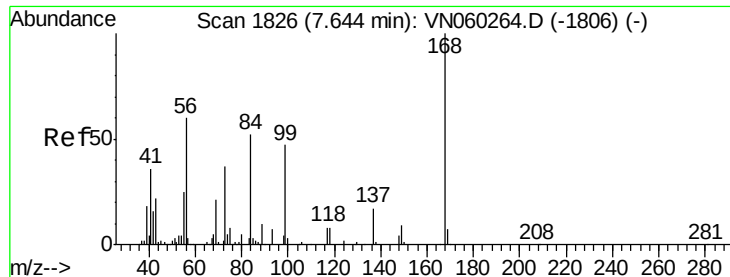
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060452.D

Acq: 11 Mar 2020 15:57

Instrument :

MSVOA\_N

ClientSampleId :

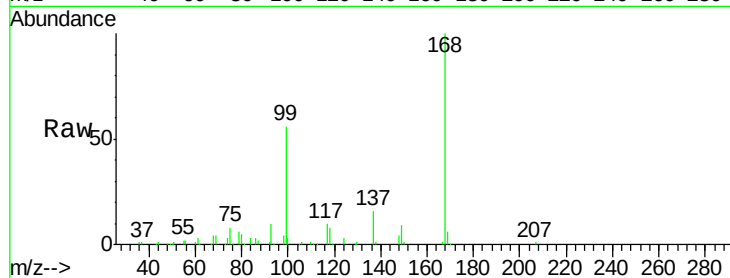
TP-17-SA

Tot Ion:168 Resp: 199212

Ion Ratio Lower Upper

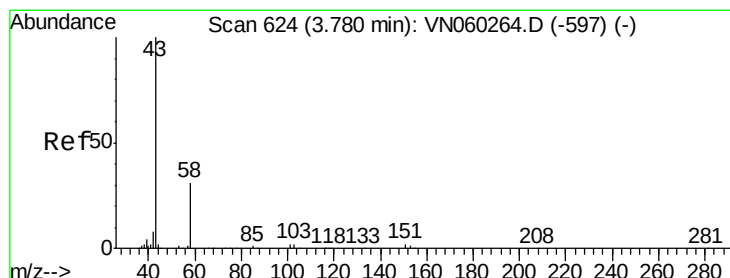
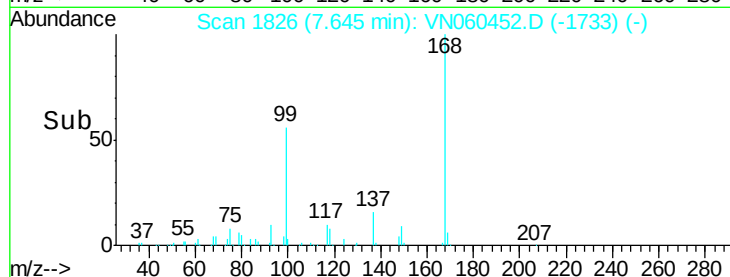
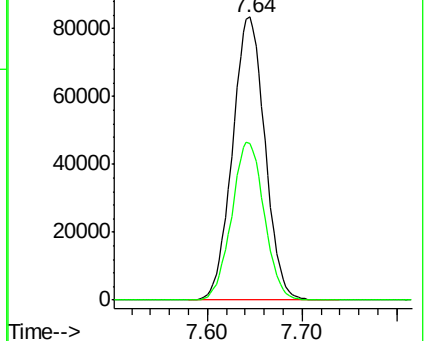
168 100

99 55.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 21.600 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060452.D

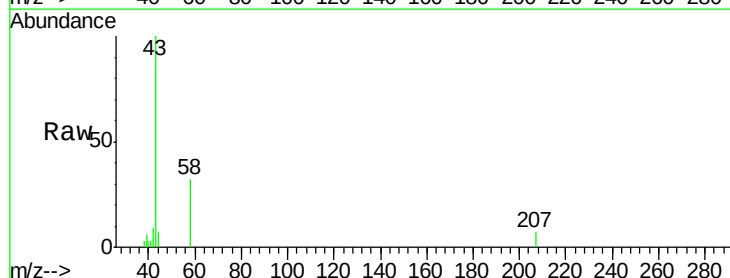
Acq: 11 Mar 2020 15:57

Tgt Ion: 43 Resp: 17828

Ion Ratio Lower Upper

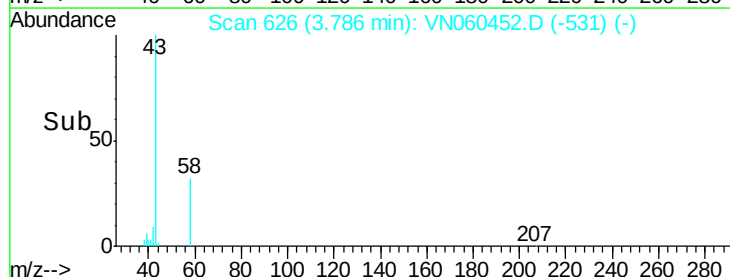
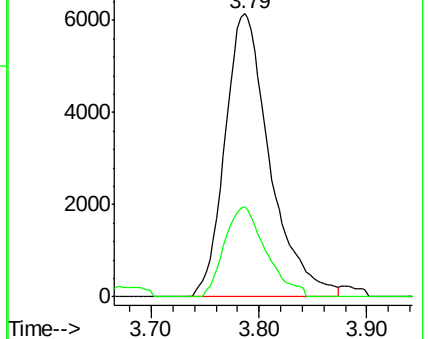
43 100

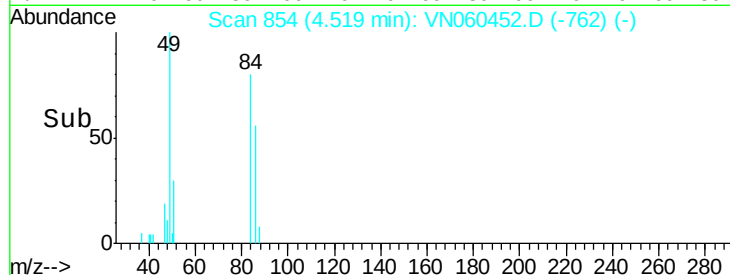
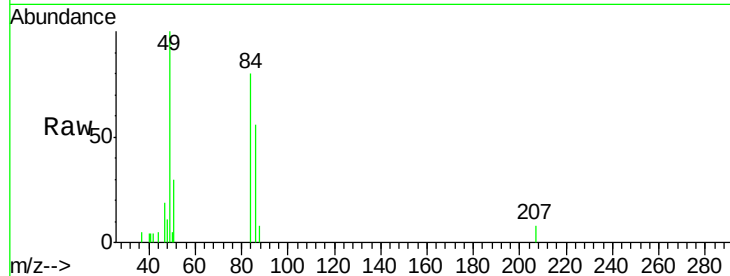
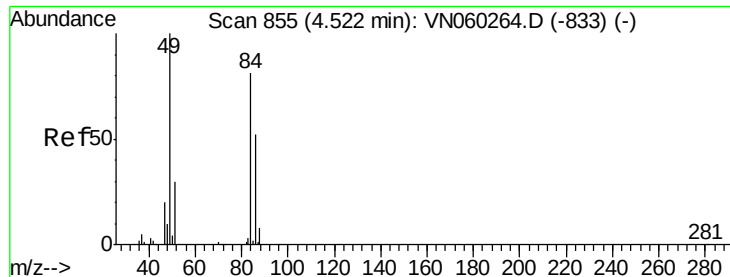
58 31.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

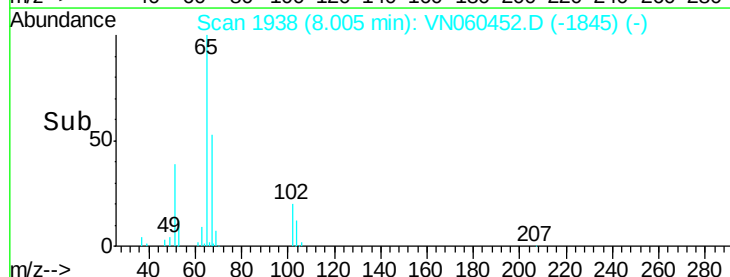
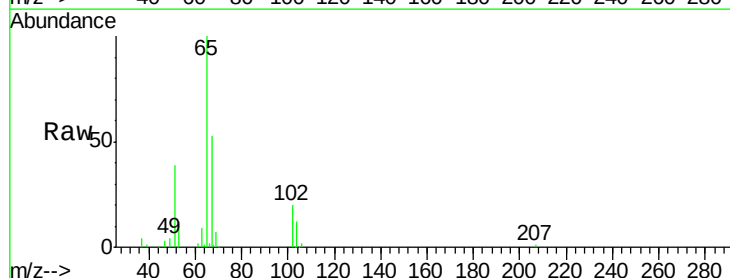
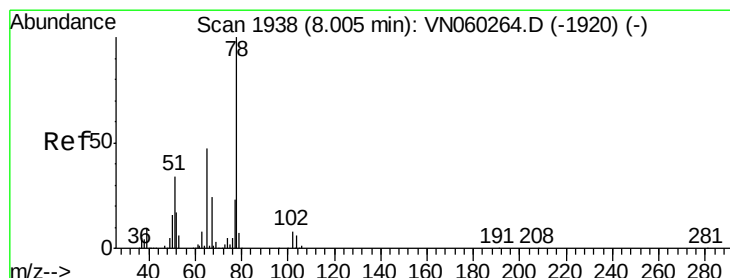
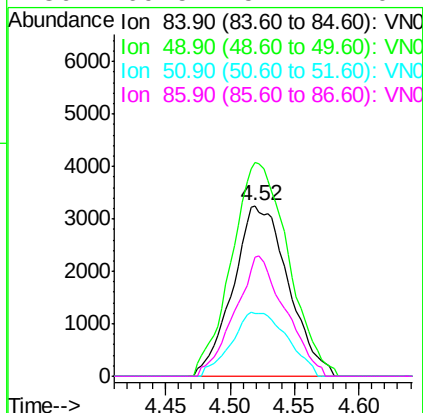




#20  
Methylene Chloride  
Concen: 4.275 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VN060452.D  
Acq: 11 Mar 2020 15:57

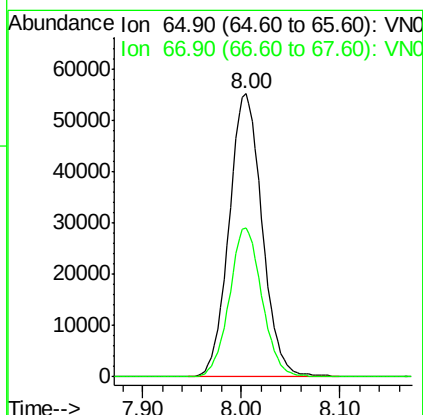
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-17-SA

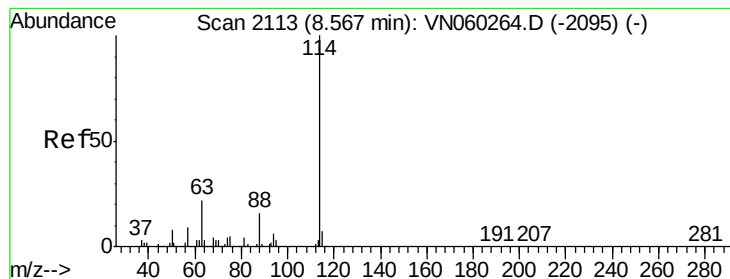
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 9690  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 125.1 | 99.3  | 148.9 |
| 51       | 37.1  | 30.1  | 45.1  |
| 86       | 69.5  | 51.1  | 76.7  |



#33  
1,2-Dichloroethane-d4  
Concen: 50.423 ug/l  
RT: 8.00 min Scan# 1938  
Delta R.T. 0.00 min  
Lab File: VN060452.D  
Acq: 11 Mar 2020 15:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 128878 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.8  | 0.0   | 103.8  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060452.D

Acq: 11 Mar 2020 15:57

Instrument :

MSVOA\_N

ClientSampleId :

TP-17-SA

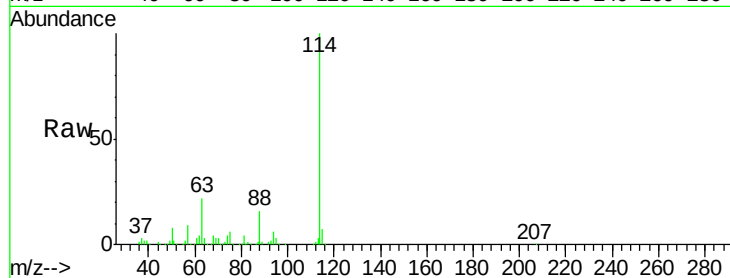
Tot Ion:114 Resp: 328294

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

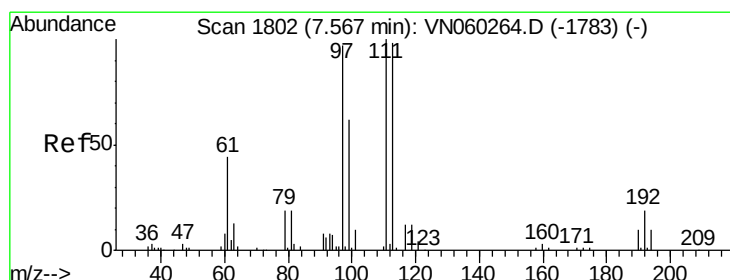
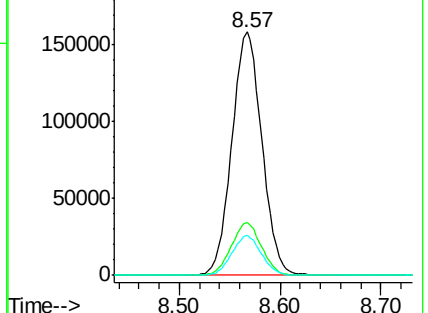
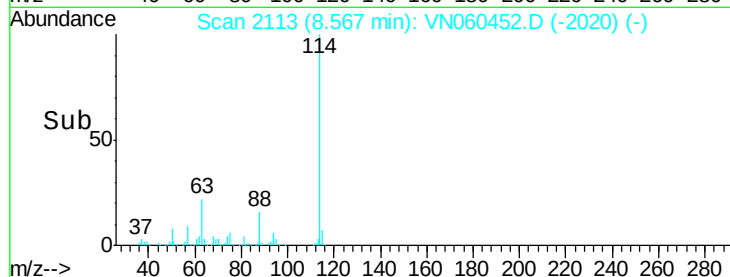
88 16.2 0.0 31.6



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: 64.123 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060452.D

Acq: 11 Mar 2020 15:57

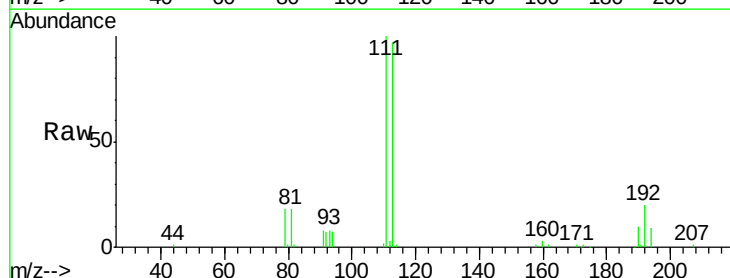
Tgt Ion:113 Resp: 97713

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

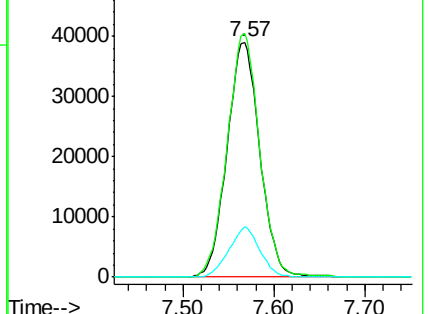
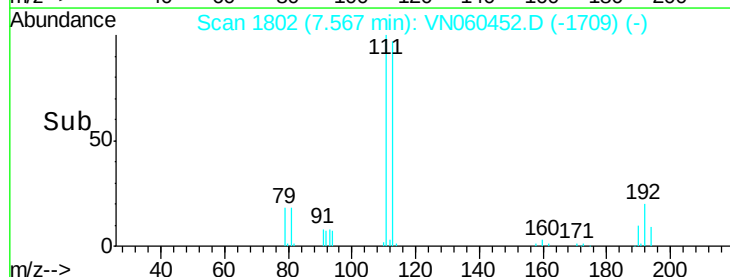
192 20.1 16.2 24.2

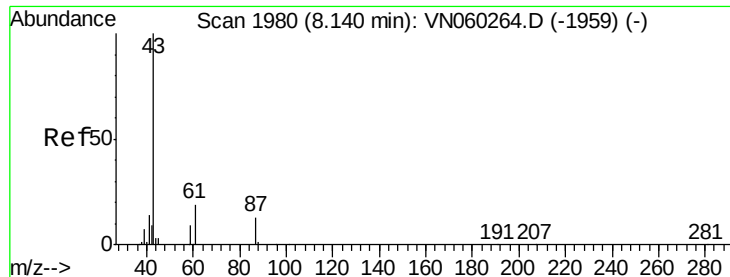


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 10.482 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060452.D

Acq: 11 Mar 2020 15:57

Instrument :

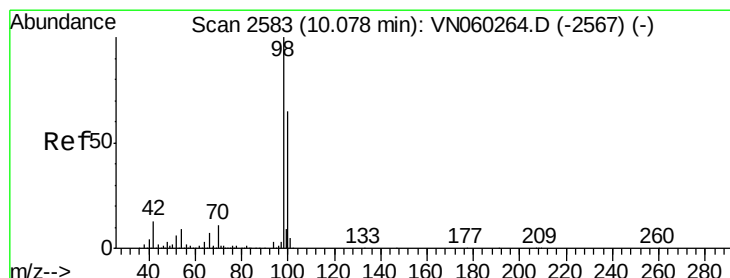
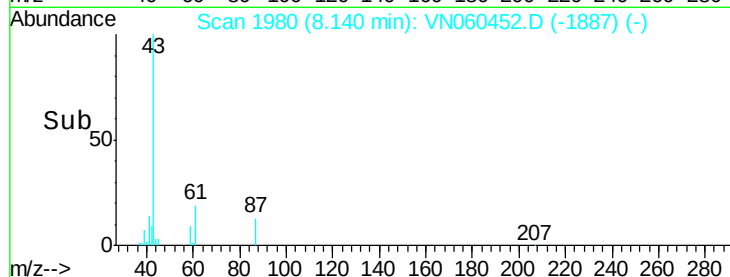
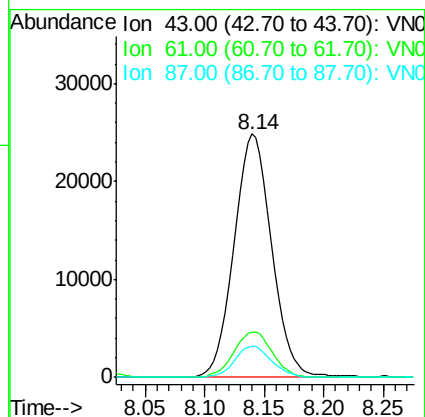
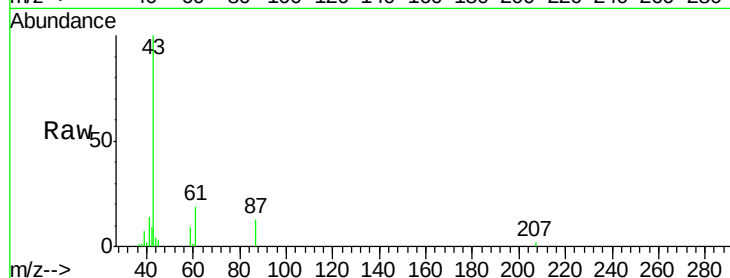
MSVOA\_N

ClientSampleId :

TP-17-SA

Tot Ion: 43 Resp: 54366

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 18.9  | 20.9  | 31.3# |
| 87  | 12.6  | 10.6  | 16.0  |



#50

Toluene-d8

Concen: 52.647 ug/l

RT: 10.08 min Scan# 2583

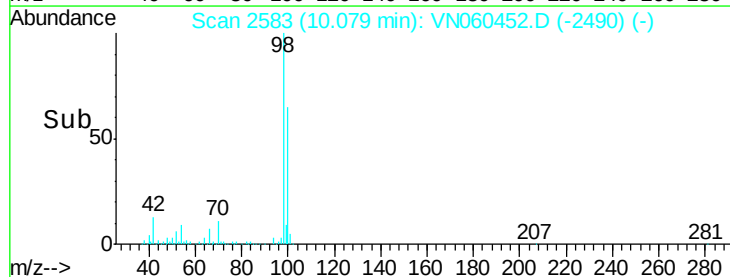
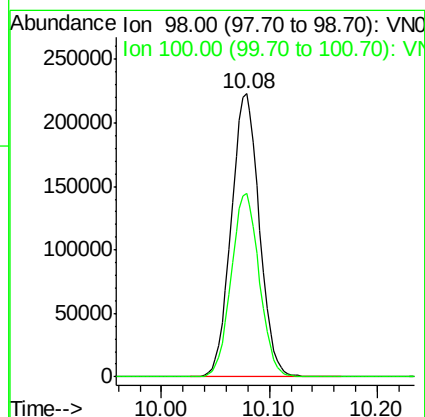
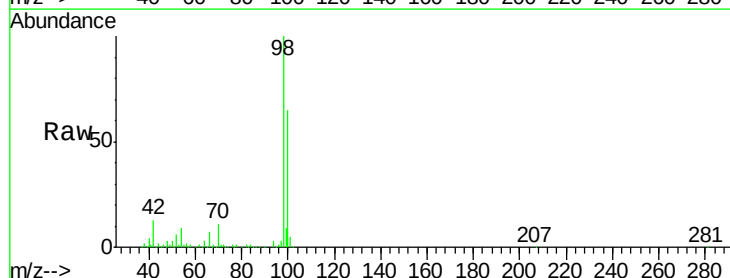
Delta R.T. 0.00 min

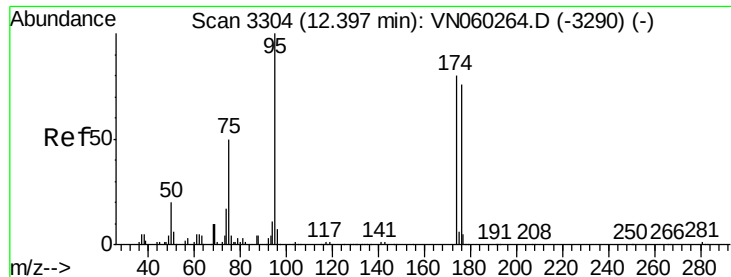
Lab File: VN060452.D

Acq: 11 Mar 2020 15:57

Tgt Ion: 98 Resp: 406034

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 64.7  | 52.2  | 78.2  |





#62

4-Bromofluorobenzene

Concen: 52.525 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060452.D

Acq: 11 Mar 2020 15:57

Instrument :

MSVOA\_N

ClientSampleId :

TP-17-SA

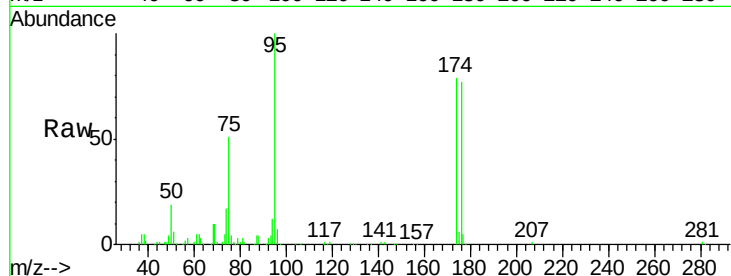
Tot Ion: 95 Resp: 153559

Ion Ratio Lower Upper

95 100

174 78.6 0.0 159.2

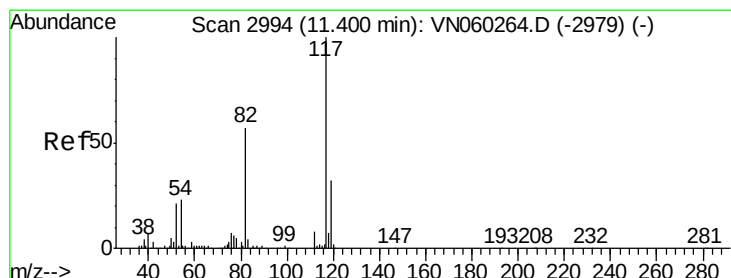
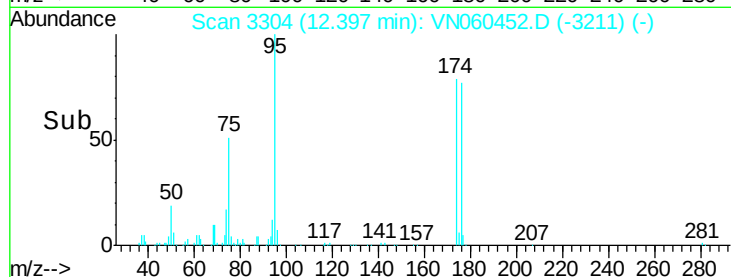
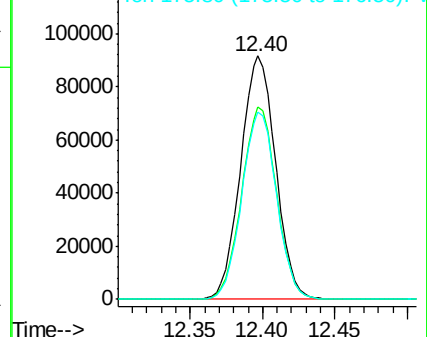
176 76.7 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060452.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060452.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060452.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060452.D

Acq: 11 Mar 2020 15:57

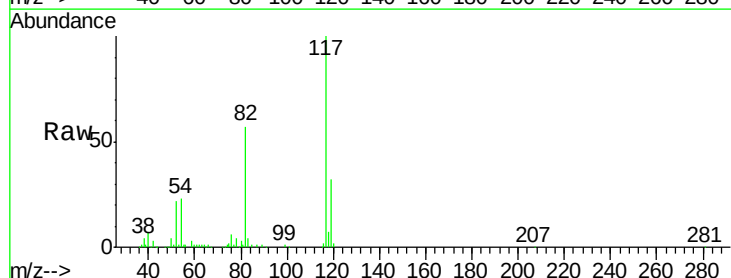
Tgt Ion: 117 Resp: 312250

Ion Ratio Lower Upper

117 100

82 57.5 45.8 68.6

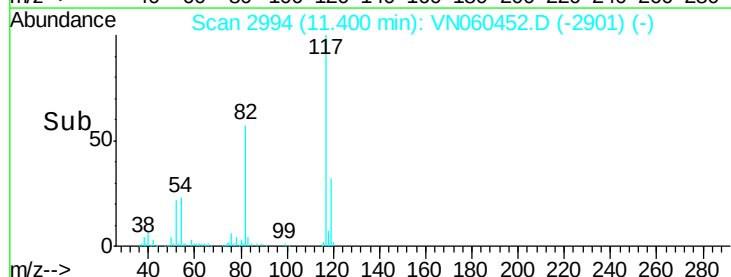
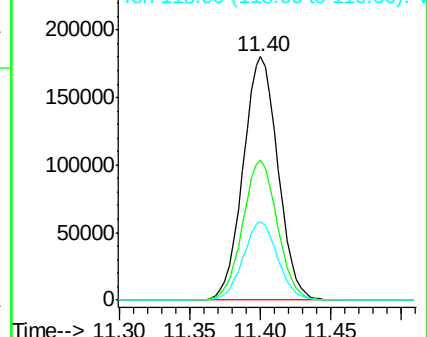
119 32.2 25.8 38.8

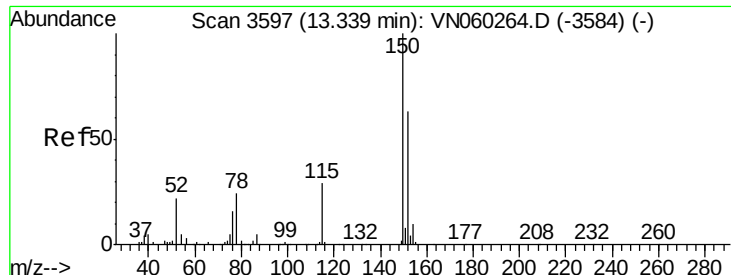


Abundance Ion 116.90 (116.60 to 117.60): VN060452.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060452.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060452.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060452.D

Acq: 11 Mar 2020 15:57

Instrument :

MSVOA\_N

ClientSampleId :

TP-17-SA

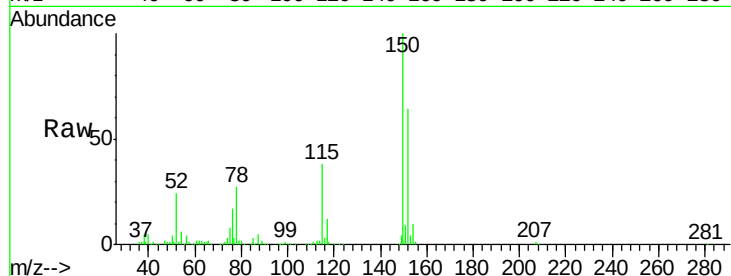
Tot Ion:152 Resp: 144825

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

150 157.4 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

