

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071019\  
 Data File : VN056638.D  
 Acq On : 10 Jul 2019 11:14  
 Operator : JC/SP  
 Sample : VSSTDICC008  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSSTDICC008

Quant Time: Jul 11 04:54:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071019SIM-VINYL.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 11 04:48:42 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) Pentafluorobenzene     | 7.65  | 168  | 49271    | 5.00 | ug/l  | 0.00     |
| 4) 1,4-Difluorobenzene    | 8.58  | 114  | 86981    | 5.00 | ug/l  | 0.00     |
| 8) Chlorobenzene-d5       | 11.41 | 117  | 57402    | 5.00 | ug/l  | 0.00     |
| 9) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 14300    | 5.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                          |       |       |          |          |      |          |
|--------------------------|-------|-------|----------|----------|------|----------|
| 3) 1,2-Dichloroethane-d4 | 8.01  | 65    | 47144    | 7.84     | ug/l | 0.00     |
| Spiked Amount            | 5.000 | Range | 81 - 118 | Recovery | =    | 156.80%# |
| 5) Dibromofluoromethane  | 7.59  | 113   | 36443    | 7.59     | ug/l | 0.00     |
| Spiked Amount            | 5.000 | Range | 80 - 119 | Recovery | =    | 151.80%# |
| 6) Toluene-d8            | 10.09 | 98    | 89182    | 8.11     | ug/l | 0.00     |
| Spiked Amount            | 5.000 | Range | 89 - 112 | Recovery | =    | 162.20%# |
| 7) 4-Bromofluorobenzene  | 12.40 | 95    | 30917    | 10.20    | ug/l | 0.00     |
| Spiked Amount            | 5.000 | Range | 85 - 114 | Recovery | =    | 204.00%# |

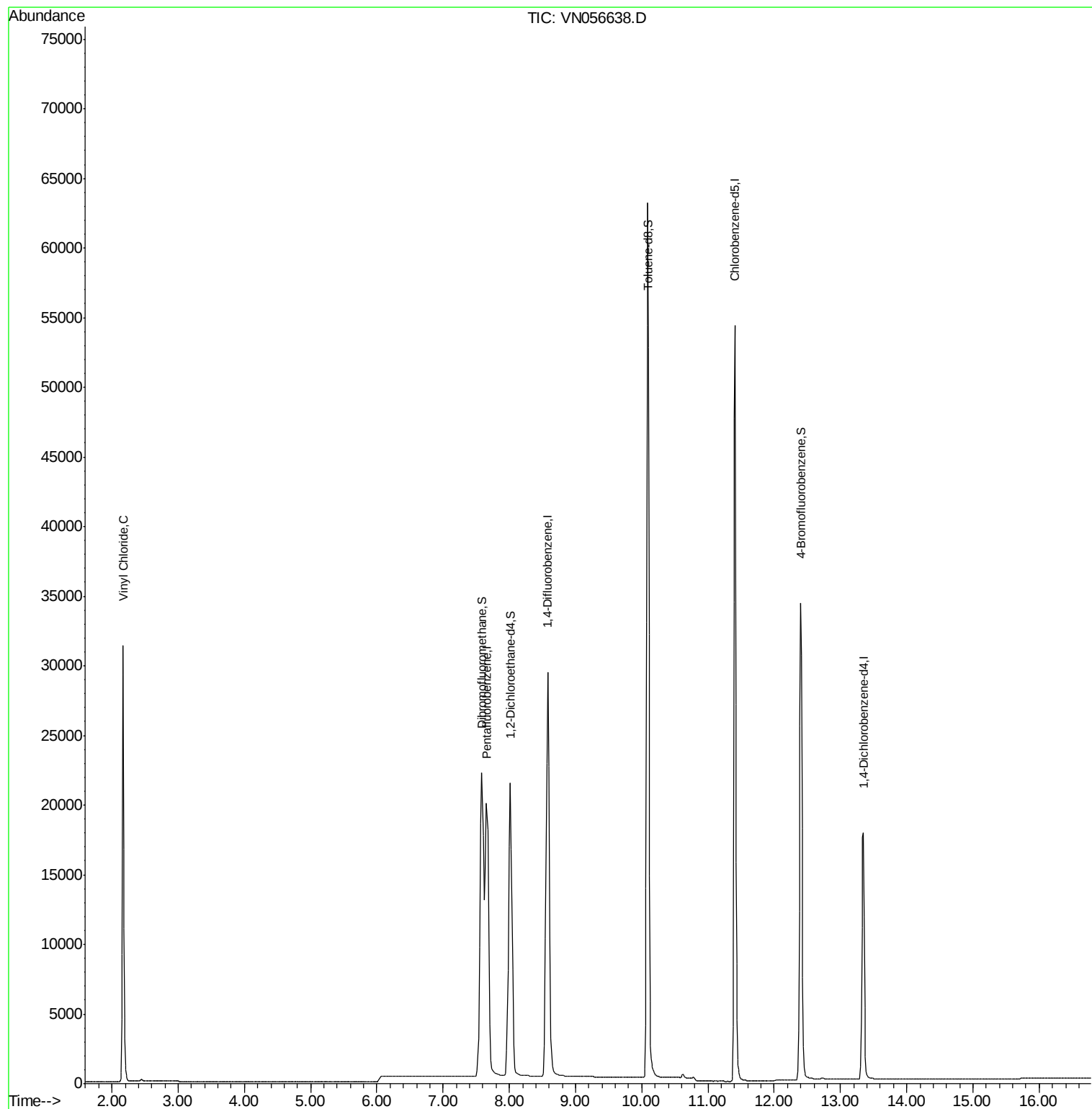
| Target Compounds  |      |    |       |            | Qvalue |
|-------------------|------|----|-------|------------|--------|
| 2) Vinyl Chloride | 2.17 | 62 | 38183 | 7.817 ug/l | 99     |

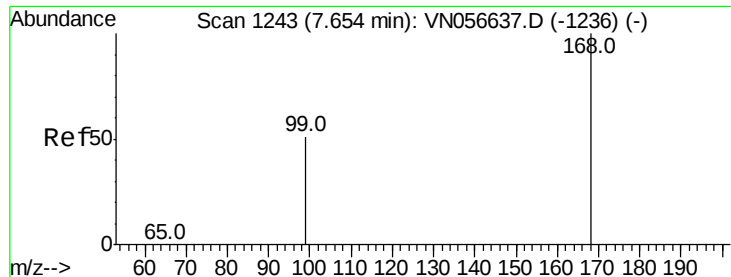
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 11 04:48:42 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 5.000 ug/l

RT: 7.65 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VN056638.D

Acq: 10 Jul 2019 11:14

Instrument :

MSVOA\_N

ClientSampleId :

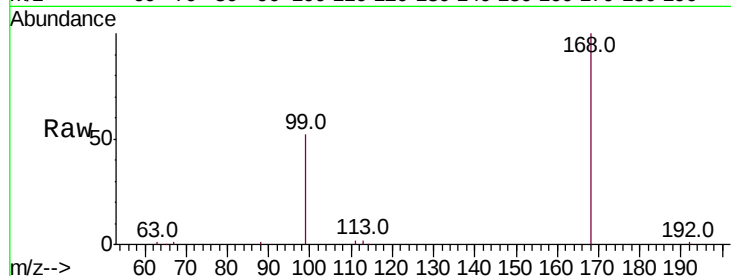
VSSTDICC008

Tot Ion:168 Resp: 49271

Ion Ratio Lower Upper

168 100

99 52.2 41.3 61.9



Abundance Ion 168.00 (167.70 to 168.70): VN056638.D (-1226) (-)

Ion 99.00 (98.70 to 99.70): VN056638.D (-1226) (-)

7.65

15000

10000

5000

0

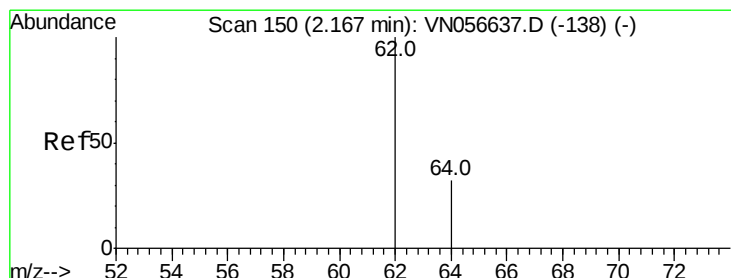
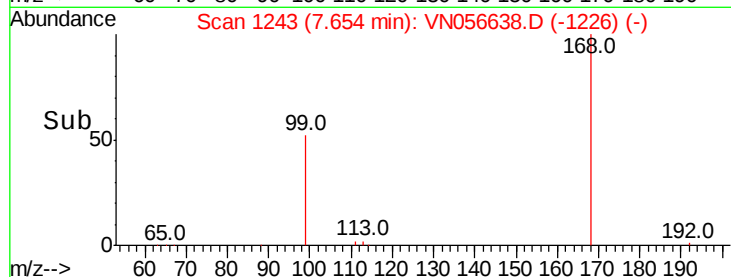
Time-->

7.40

7.60

7.80

8.00



#2

Vinyl Chloride

Concen: 7.817 ug/l

RT: 2.17 min Scan# 150

Delta R.T. -0.00 min

Lab File: VN056638.D

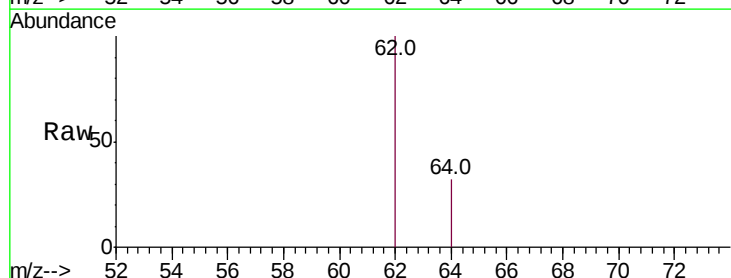
Acq: 10 Jul 2019 11:14

Tgt Ion: 62 Resp: 38183

Ion Ratio Lower Upper

62 100

64 32.1 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VN056638.D (-98) (-)

Ion 64.00 (63.70 to 64.70): VN056638.D (-98) (-)

2.17

25000

20000

15000

10000

5000

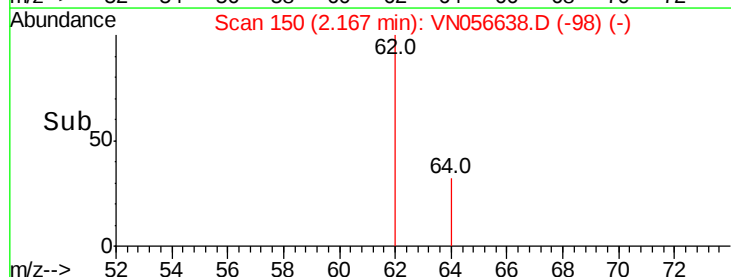
0

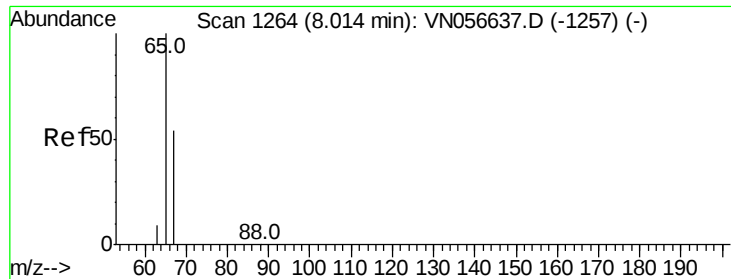
Time-->

2.10

2.20

2.30





#3

1,2-Dichloroethane-d4

Concen: 7.838 ug/l

RT: 8.01 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN056638.D

Acq: 10 Jul 2019 11:14

Instrument :

MSVOA\_N

ClientSampleId :

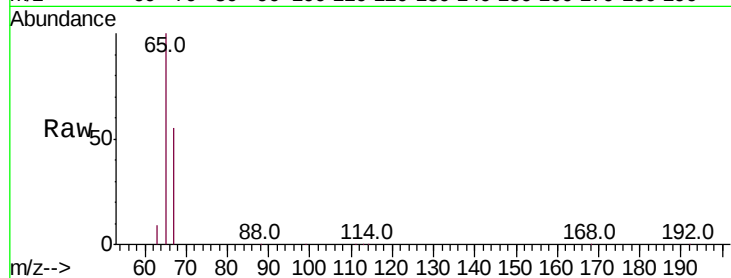
VSSTDICC008

Tot Ion: 65 Resp: 47144

Ion Ratio Lower Upper

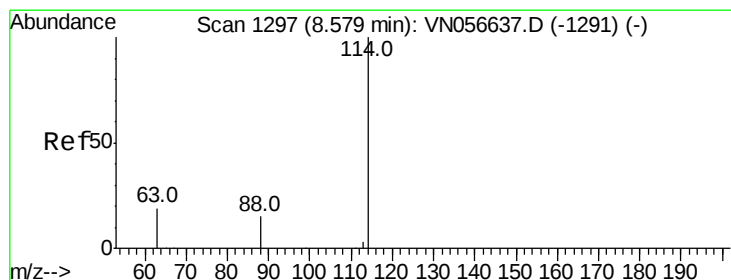
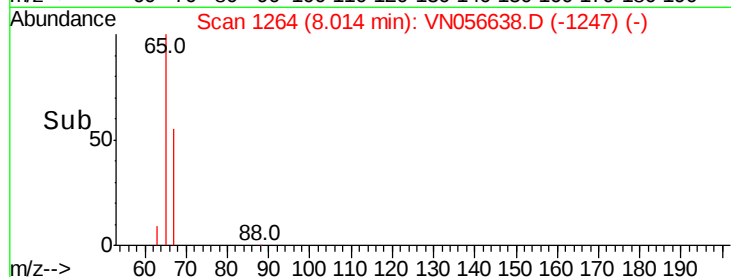
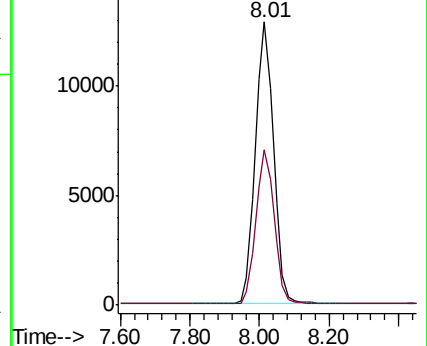
65 100

67 55.1 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VN056638.D (-1247) (-)

Ion 67.00 (66.70 to 67.70): VN056638.D (-1247) (-)



#4

1,4-Difluorobenzene

Concen: 5.000 ug/l

RT: 8.58 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VN056638.D

Acq: 10 Jul 2019 11:14

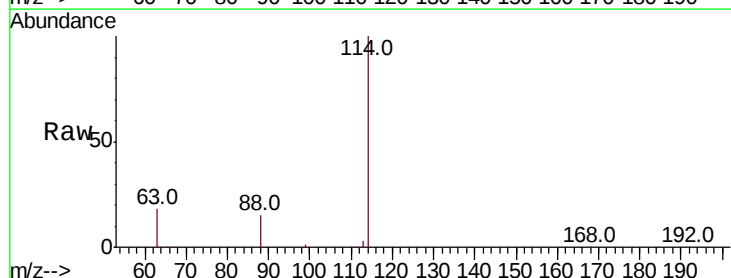
Tgt Ion: 114 Resp: 86981

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.6

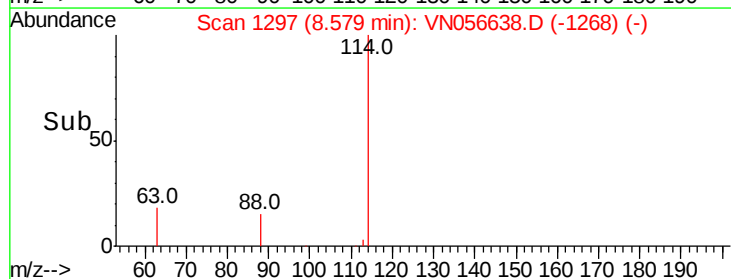
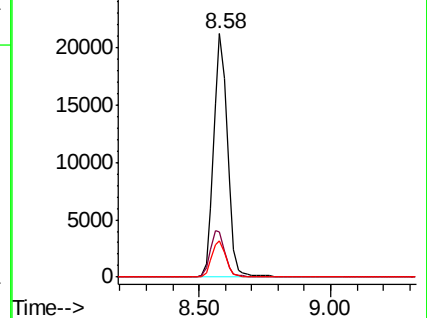
88 15.1 0.0 30.8

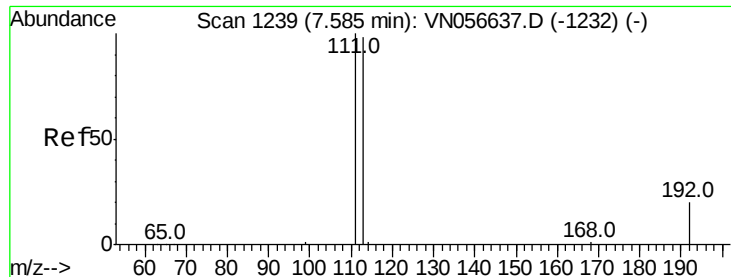


Abundance Ion 114.00 (113.70 to 114.70): VN056638.D (-1268) (-)

Ion 63.00 (62.70 to 63.70): VN056638.D (-1268) (-)

Ion 88.00 (87.70 to 88.70): VN056638.D (-1268) (-)





#5

Dibromofluoromethane

Concen: 7.595 ug/l

RT: 7.59 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VN056638.D

Acq: 10 Jul 2019 11:14

Instrument :

MSVOA\_N

ClientSampleId :

VSSTDICC008

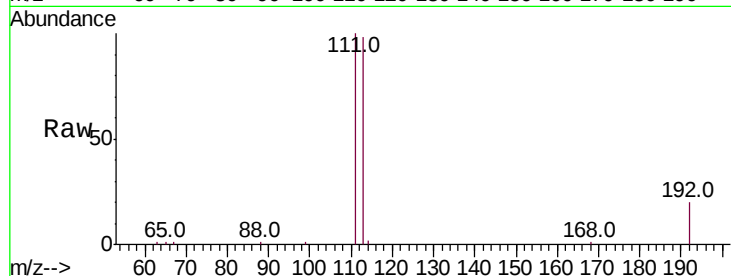
Tot Ion:113 Resp: 36443

Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

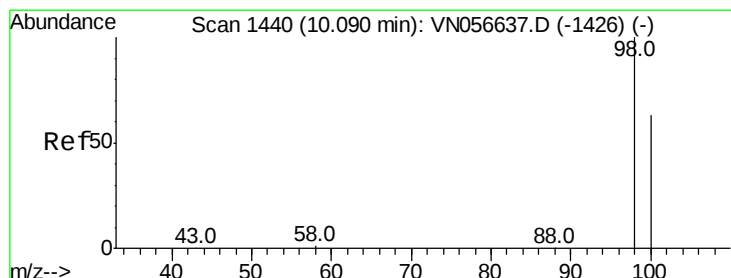
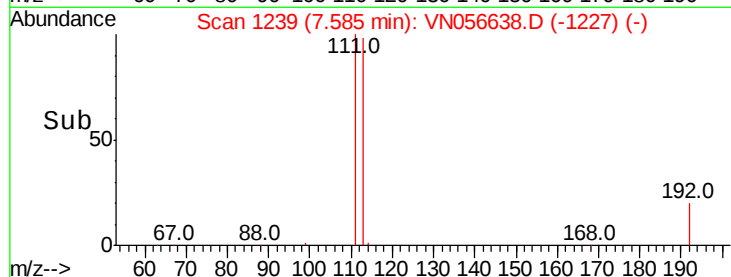
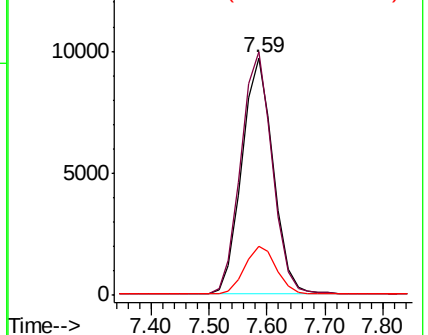
192 20.9 16.9 25.3



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#6

Toluene-d8

Concen: 8.111 ug/l

RT: 10.09 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VN056638.D

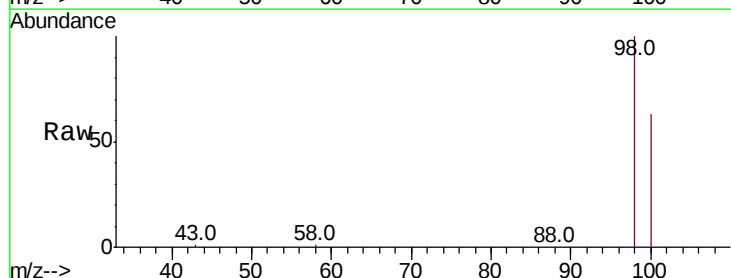
Acq: 10 Jul 2019 11:14

Tgt Ion: 98 Resp: 89182

Ion Ratio Lower Upper

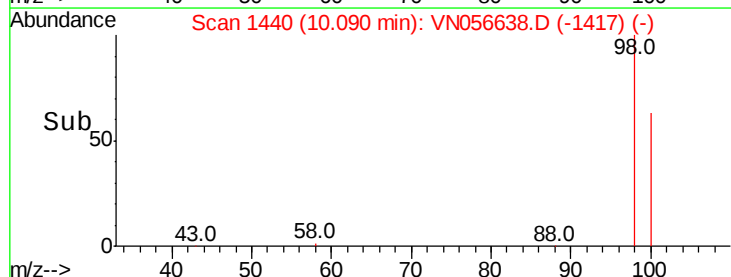
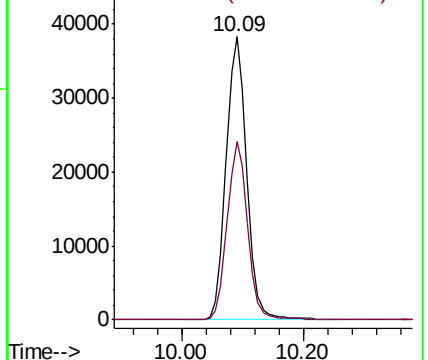
98 100

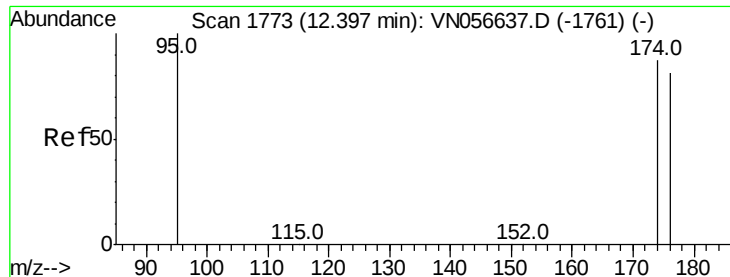
100 62.8 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#7

4-Bromofluorobenzene

Concen: 10.202 ug/l

RT: 12.40 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VN056638.D

Acq: 10 Jul 2019 11:14

Instrument :

MSVOA\_N

ClientSampleId :

VSSTDICC008

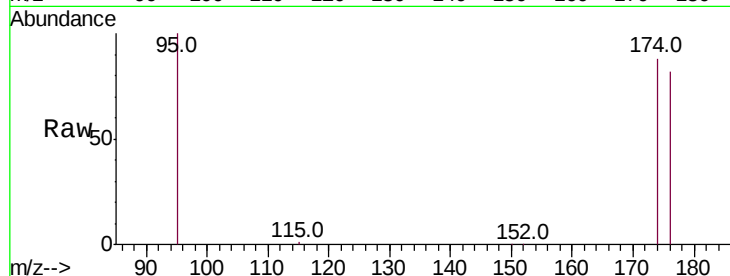
Tot Ion: 95 Resp: 30917

Ion Ratio Lower Upper

95 100

174 87.5 0.0 174.2

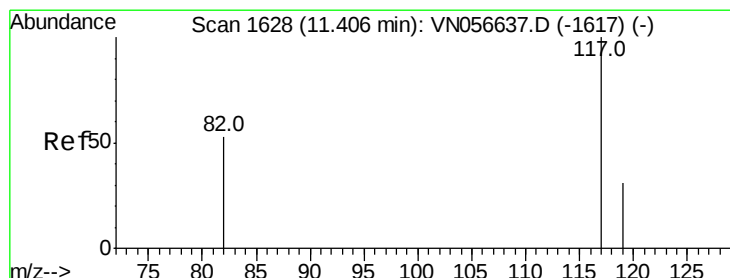
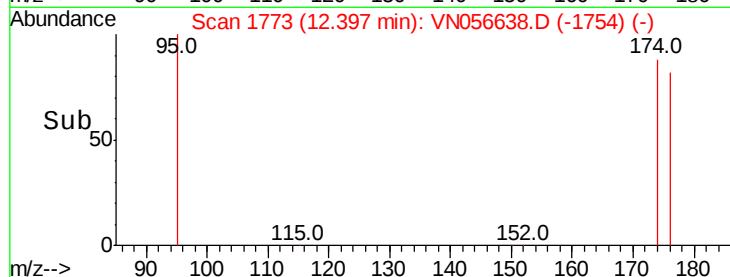
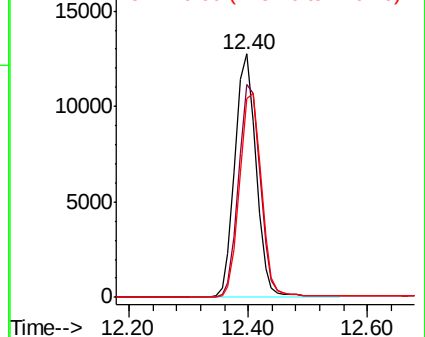
176 81.7 0.0 162.0



Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): VN0

Ion 176.00 (175.70 to 176.70): VN0



#8

Chlorobenzene-d5

Concen: 5.000 ug/l

RT: 11.41 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN056638.D

Acq: 10 Jul 2019 11:14

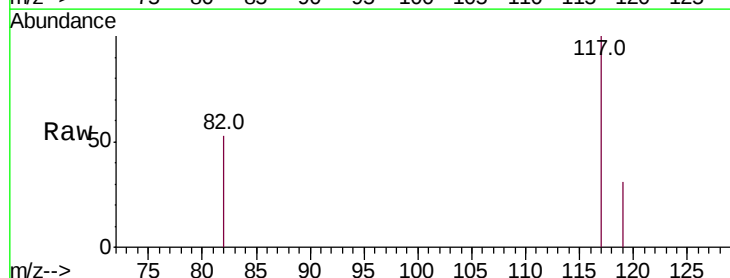
Tgt Ion: 117 Resp: 57402

Ion Ratio Lower Upper

117 100

82 53.2 42.6 63.8

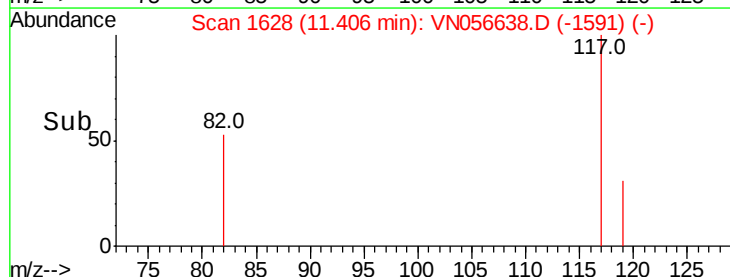
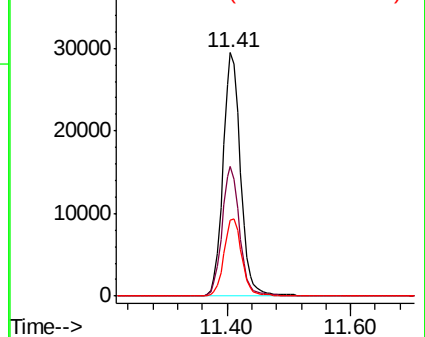
119 31.5 25.0 37.6

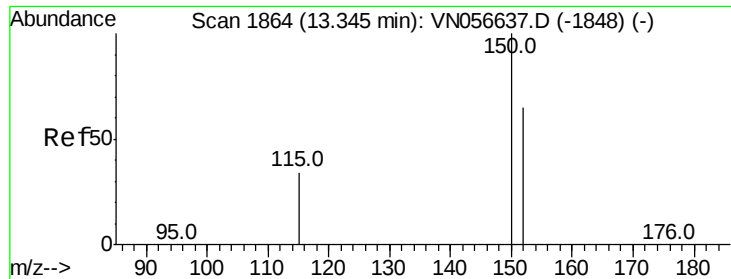


Abundance Ion 117.00 (116.70 to 117.70): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): VN0

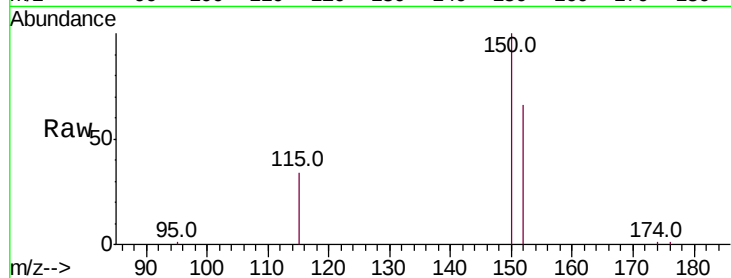




#9  
 1,4-Dichlorobenzene-d4  
 Concen: 5.000 ug/l  
 RT: 13.35 min Scan# 1864  
 Delta R.T. 0.00 min  
 Lab File: VN056638.D  
 Acq: 10 Jul 2019 11:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSSTDICC008

Tot Ion:152 Resp: 14300  
 Ion Ratio Lower Upper  
 152 100  
 115 51.8 26.5 79.4  
 150 151.9 0.0 306.0



Abundance Ion 152.00 (151.70 to 152.70): V  
 Ion 115.00 (114.70 to 115.70): V  
 Ion 150.00 (149.70 to 150.70): V

