

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062819\  
 Data File : VN056556.D  
 Acq On : 28 Jun 2019 15:39  
 Operator : JC/SP  
 Sample : K3519-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 28 23:31:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062719SIM-VINYL.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 28 03:22:32 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) Pentafluorobenzene     | 7.65  | 168  | 48517    | 5.00 | ug/l  | 0.00     |
| 4) 1,4-Difluorobenzene    | 8.58  | 114  | 83599    | 5.00 | ug/l  | 0.00     |
| 8) Chlorobenzene-d5       | 11.41 | 117  | 50981    | 5.00 | ug/l  | 0.00     |
| 9) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 7716     | 5.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                          |       |       |          |          |      |         |
|--------------------------|-------|-------|----------|----------|------|---------|
| 3) 1,2-Dichloroethane-d4 | 8.01  | 65    | 30334    | 5.10     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 81 - 118 | Recovery | =    | 102.00% |
| 5) Dibromofluoromethane  | 7.59  | 113   | 22645    | 4.91     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 80 - 119 | Recovery | =    | 98.20%  |
| 6) Toluene-d8            | 10.09 | 98    | 50495    | 4.84     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 89 - 112 | Recovery | =    | 96.80%  |
| 7) 4-Bromofluorobenzene  | 12.39 | 95    | 12720    | 4.77     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 85 - 114 | Recovery | =    | 95.40%  |

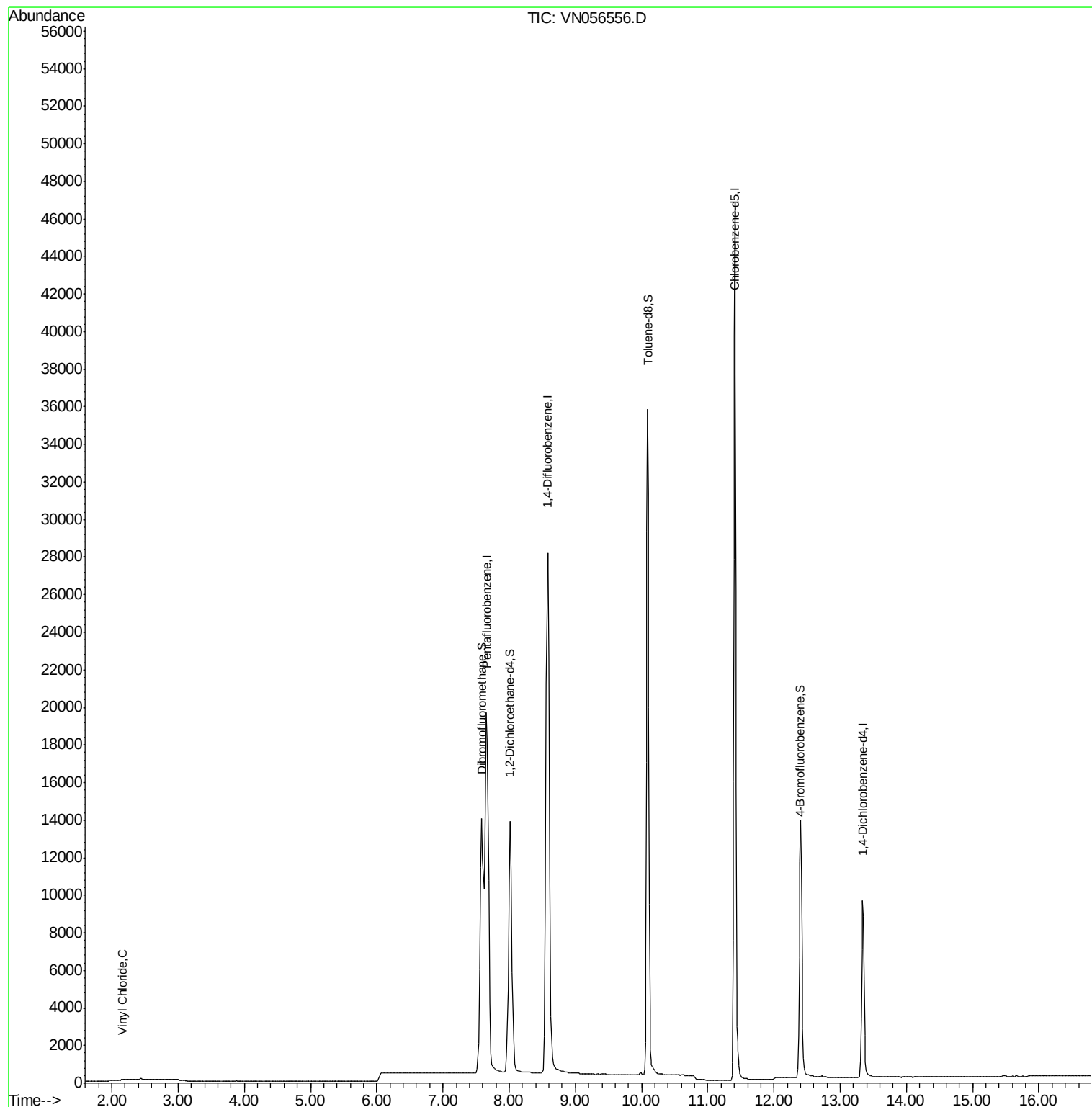
| Target Compounds  |      |    |    |              | Qvalue |
|-------------------|------|----|----|--------------|--------|
| 2) Vinyl Chloride | 2.16 | 62 | 22 | 0.005 ug/l # | 1      |

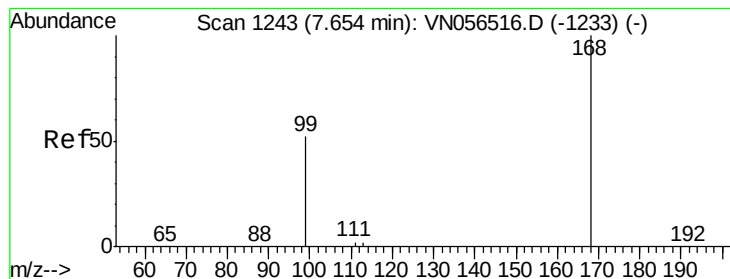
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Jun 28 03:22:32 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: VN056556.D

Acq: 28 Jun 2019 15:39

Instrument :

MSVOA\_N

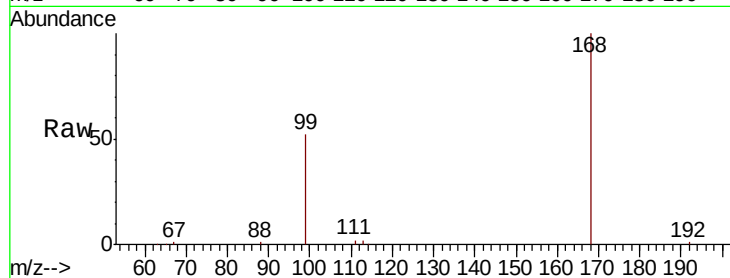
ClientSampleId :

Tot Ion:168 Resp: 48517

Ion Ratio Lower Upper

168 100

99 52.2 41.9 62.9



Abundance Ion 168.00 (167.70 to 168.70): VN056556.D (-1225) (-)

Ion 99.00 (98.70 to 99.70): VN056556.D (-1225) (-)

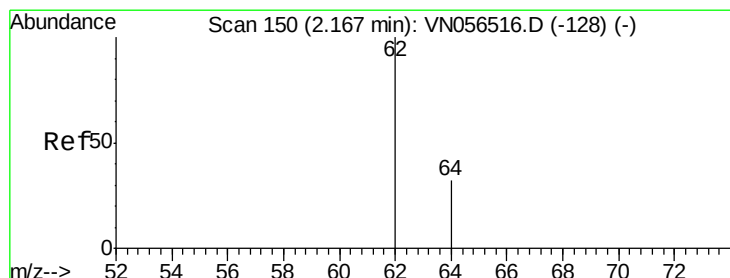
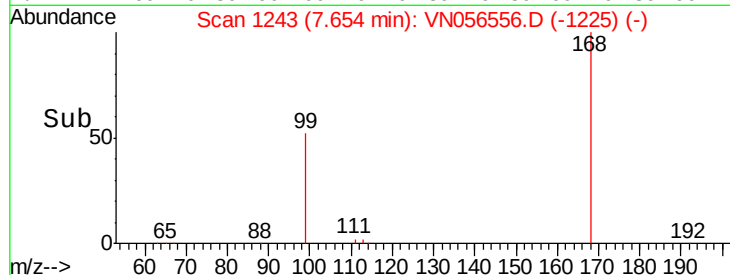
7.65

10000

5000

0

Time-->



#2

Vinyl Chloride

Concen: 0.005 ug/l

RT: 2.16 min Scan# 149

Delta R.T. -0.00 min

Lab File: VN056556.D

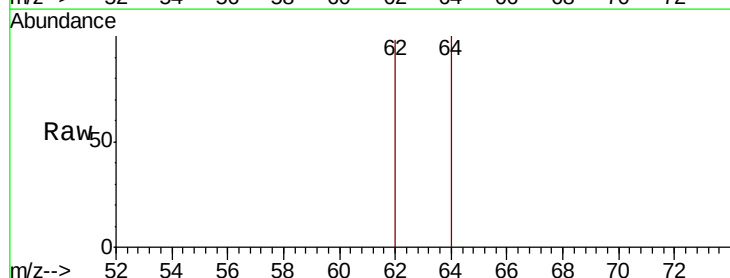
Acq: 28 Jun 2019 15:39

Tgt Ion: 62 Resp: 22

Ion Ratio Lower Upper

62 100

64 102.1 26.1 39.1#



Abundance Ion 62.00 (61.70 to 62.70): VN056556.D (-98) (-)

Ion 64.00 (63.70 to 64.70): VN056556.D (-98) (-)

2.16

100

80

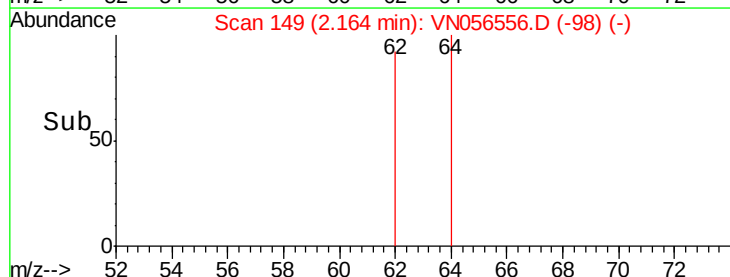
60

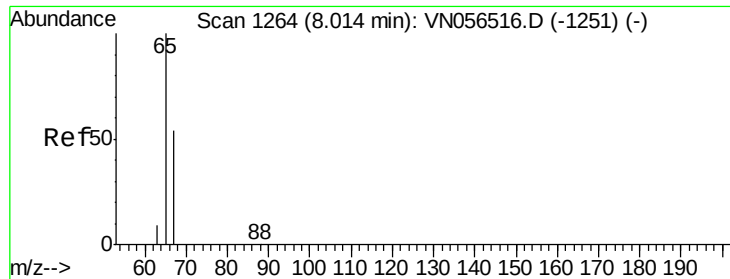
40

20

0

Time-->





#3

1,2-Dichloroethane-d4

Concen: 5.104 ug/l

RT: 8.01 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN056556.D

Acq: 28 Jun 2019 15:39

Instrument :

MSVOA\_N

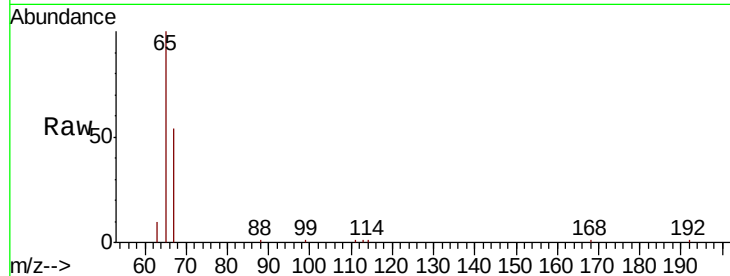
ClientSampleId :

Tot Ion: 65 Resp: 30334

Ion Ratio Lower Upper

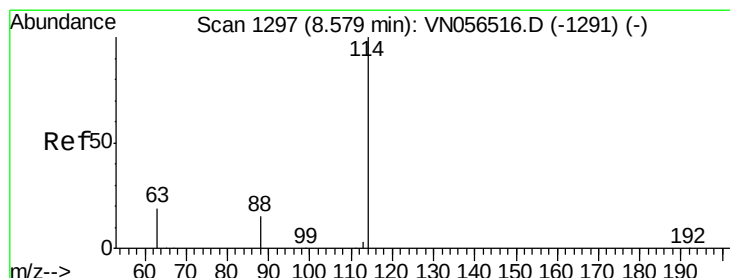
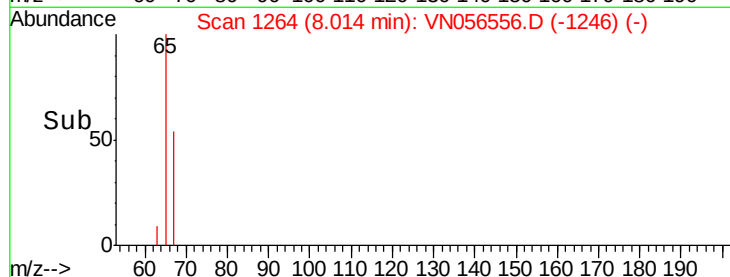
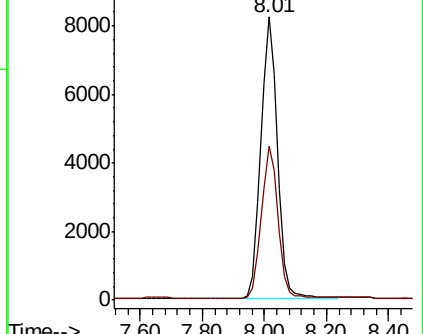
65 100

67 54.3 0.0 108.8



Abundance Ion 65.00 (64.70 to 65.70): VN056516.D (-1251) (-)

Ion 67.00 (66.70 to 67.70): VN056516.D (-1251) (-)



#4

1,4-Difluorobenzene

Concen: 5.000 ug/l

RT: 8.58 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VN056556.D

Acq: 28 Jun 2019 15:39

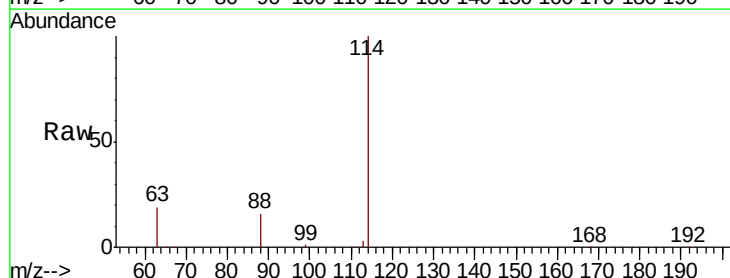
Tgt Ion: 114 Resp: 83599

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.6

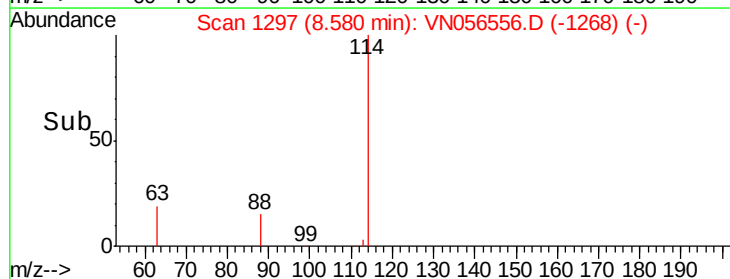
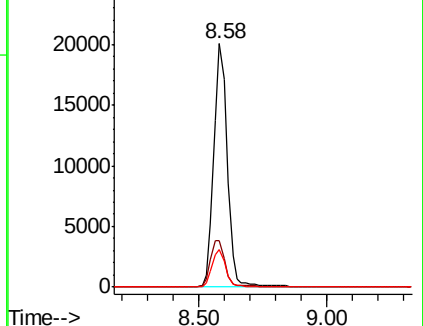
88 15.7 0.0 31.2

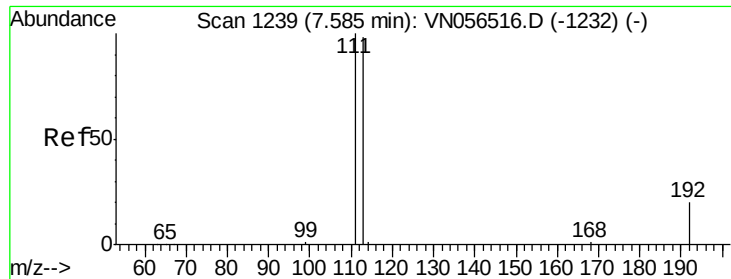


Abundance Ion 114.00 (113.70 to 114.70): VN056516.D (-1291) (-)

Ion 63.00 (62.70 to 63.70): VN056516.D (-1291) (-)

Ion 88.00 (87.70 to 88.70): VN056516.D (-1291) (-)





#5

Dibromofluoromethane

Concen: 4.913 ug/l

RT: 7.59 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VN056556.D

Acq: 28 Jun 2019 15:39

Instrument :  
MSVOA\_N  
ClientSampled :

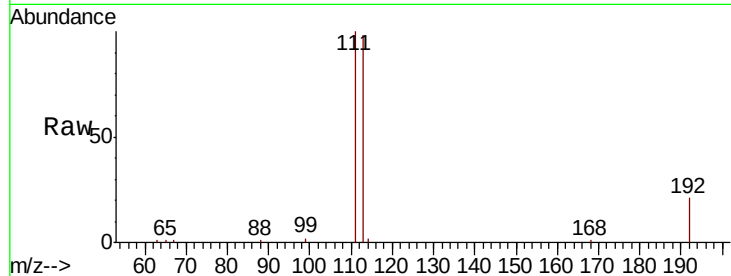
Tot Ion:113 Resp: 22645

Ion Ratio Lower Upper

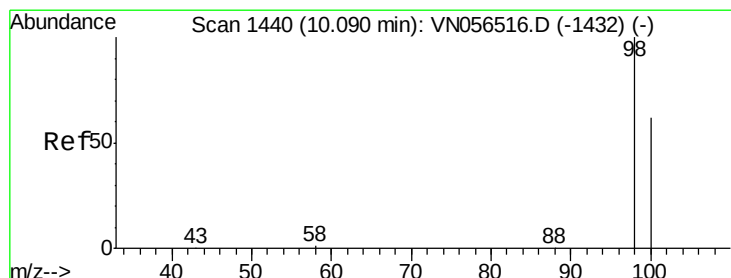
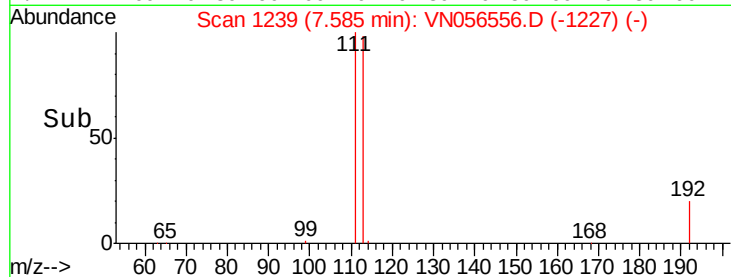
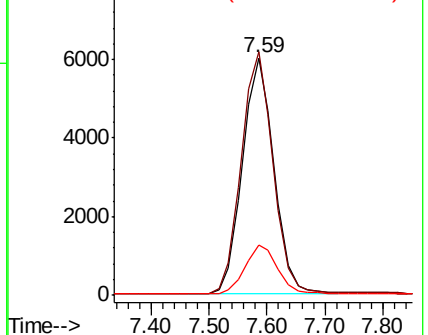
113 100

111 102.5 81.7 122.5

192 21.1 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: 4.842 ug/l

RT: 10.09 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VN056556.D

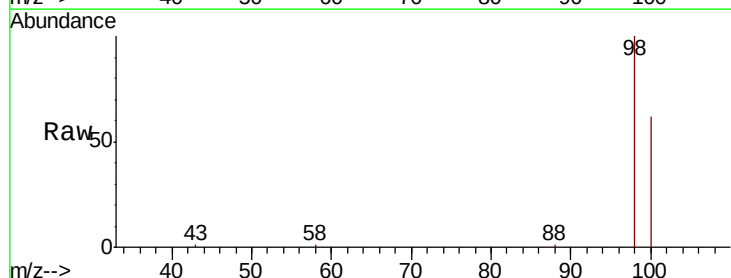
Acq: 28 Jun 2019 15:39

Tgt Ion: 98 Resp: 50495

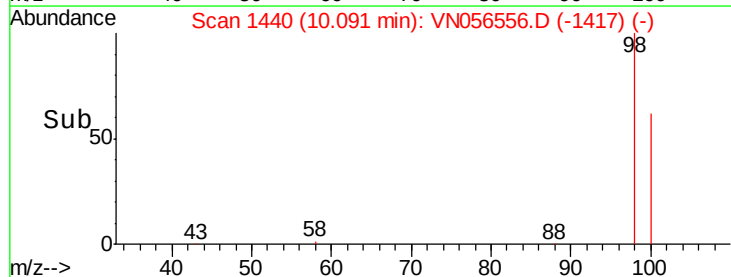
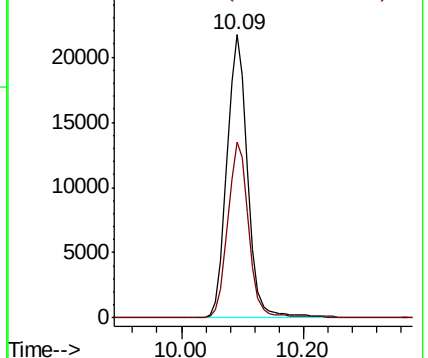
Ion Ratio Lower Upper

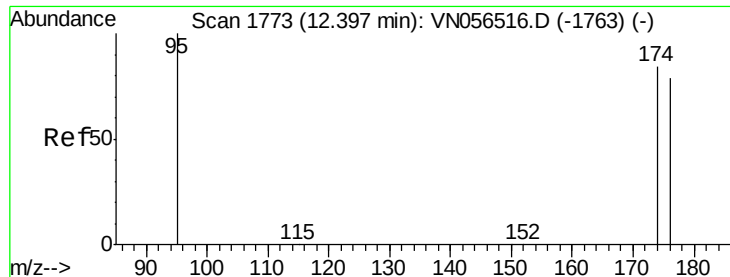
98 100

100 62.3 49.7 74.5



Abundance Ion 98.00 (97.70 to 98.70): VN  
Ion 100.00 (99.70 to 100.70): VN





#7

4-Bromofluorobenzene

Concen: 4.769 ug/l

RT: 12.39 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VN056556.D

Acq: 28 Jun 2019 15:39

Instrument :

MSVOA\_N

ClientSampleId :

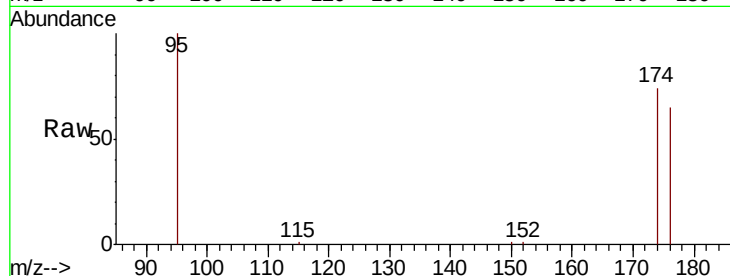
Tot Ion: 95 Resp: 12720

Ion Ratio Lower Upper

95 100

174 73.7 0.0 167.8

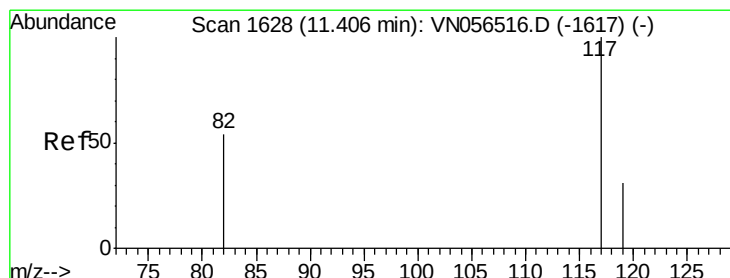
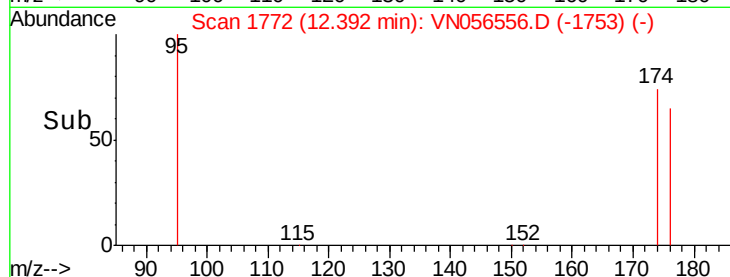
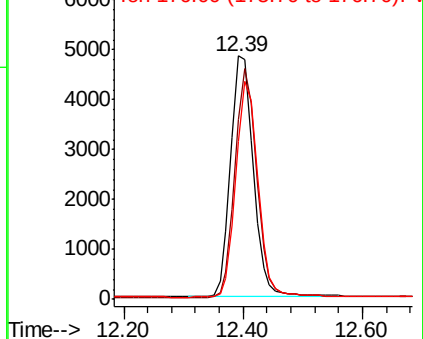
176 64.9 0.0 158.0



Abundance Ion 95.00 (94.70 to 95.70): VN056516.D (-1763) (-)

Ion 174.00 (173.70 to 174.70): VN056516.D (-1763) (-)

Ion 176.00 (175.70 to 176.70): VN056516.D (-1763) (-)



#8

Chlorobenzene-d5

Concen: 5.000 ug/l

RT: 11.41 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN056556.D

Acq: 28 Jun 2019 15:39

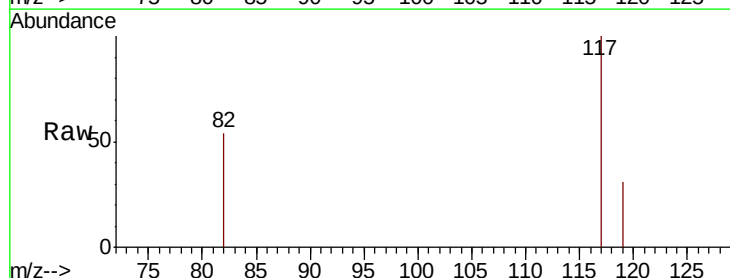
Tgt Ion: 117 Resp: 50981

Ion Ratio Lower Upper

117 100

82 53.7 43.0 64.4

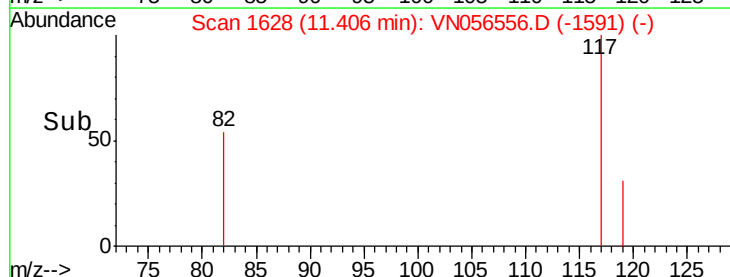
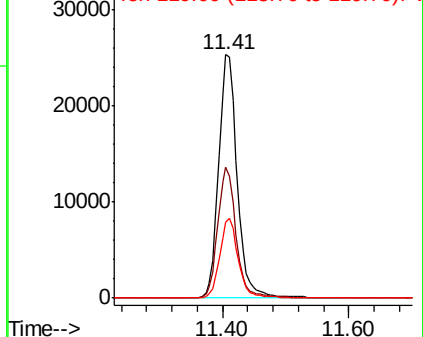
119 31.1 24.7 37.1

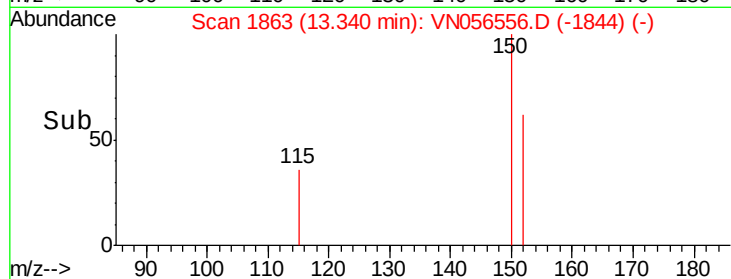
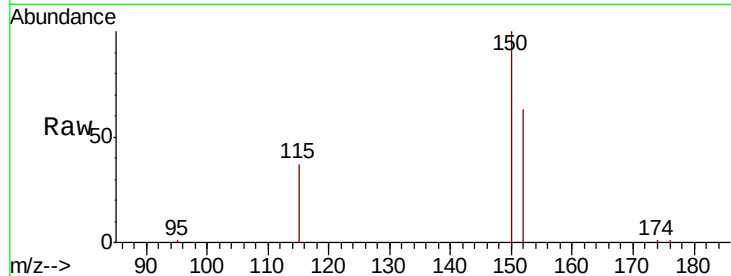
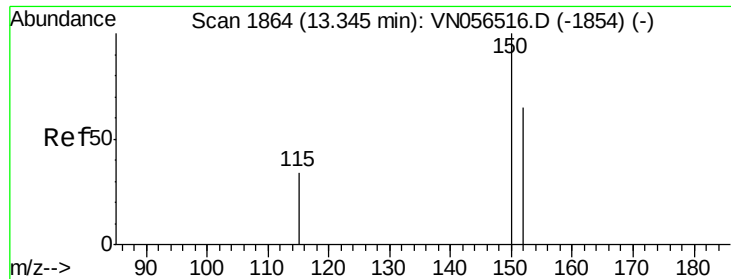


Abundance Ion 117.00 (116.70 to 117.70): VN056516.D (-1617) (-)

Ion 82.00 (81.70 to 82.70): VN056516.D (-1617) (-)

Ion 119.00 (118.70 to 119.70): VN056516.D (-1617) (-)





#9

1,4-Dichlorobenzene-d4

Concen: 5.000 ug/l

RT: 13.34 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VN056556.D

Acq: 28 Jun 2019 15:39

Instrument :

MSVOA\_N

ClientSampleId :

Tot Ion:152 Resp: 7716

Ion Ratio Lower Upper

152 100

115 58.5 27.0 80.8

150 159.7 0.0 306.6

