

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062719\  
 Data File : VN056538.D  
 Acq On : 28 Jun 2019 3:04  
 Operator : JC/SP  
 Sample : VSSTDCCC005  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSSTDCCC005EC

Quant Time: Jun 28 05:55:57 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  | 50805    | 5.00 | ug/l  | 0.00     |
| 4) 1,4-Difluorobenzene    | 8.58  | 114  | 89320    | 5.00 | ug/l  | 0.00     |
| 8) Chlorobenzene-d5       | 11.41 | 117  | 54532    | 5.00 | ug/l  | 0.00     |
| 9) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 8886     | 5.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                          |       |       |          |          |      |         |
|--------------------------|-------|-------|----------|----------|------|---------|
| 3) 1,2-Dichloroethane-d4 | 8.01  | 65    | 31466    | 5.06     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 81 - 118 | Recovery | =    | 101.20% |
| 5) Dibromofluoromethane  | 7.59  | 113   | 23377    | 4.75     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 80 - 119 | Recovery | =    | 95.00%  |
| 6) Toluene-d8            | 10.09 | 98    | 53316    | 4.79     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 89 - 112 | Recovery | =    | 95.80%  |
| 7) 4-Bromofluorobenzene  | 12.39 | 95    | 14200    | 4.98     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 85 - 114 | Recovery | =    | 99.60%  |

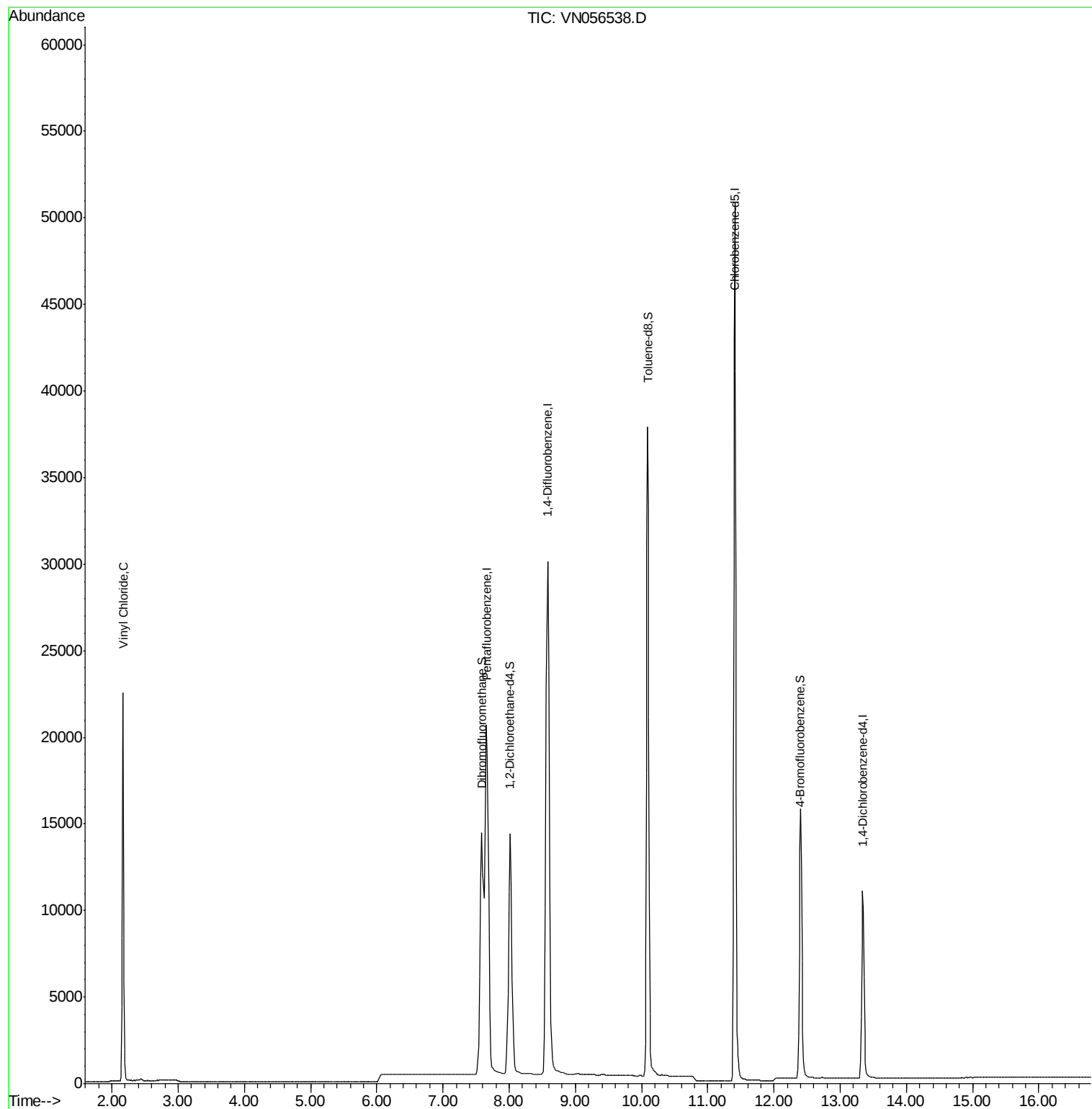
| Target Compounds  |      |    |       |       | Qvalue  |
|-------------------|------|----|-------|-------|---------|
| 2) Vinyl Chloride | 2.16 | 62 | 26156 | 5.150 | ug/l 98 |

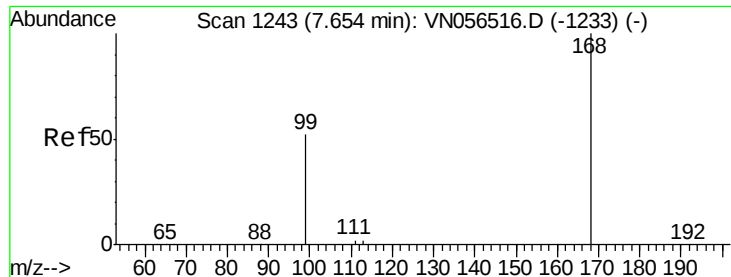
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062719\  
Data File : VN056538.D  
Acq On : 28 Jun 2019 3:04  
Operator : JC/SP  
Sample : VSSTDCCC005  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSSTDCCC005EC

Quant Time: Jun 28 05:55:57 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N062719SIM-VINYL.M  
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: VN056538.D

Acq: 28 Jun 2019 3:04

Instrument :

MSVOA\_N

ClientSampleId :

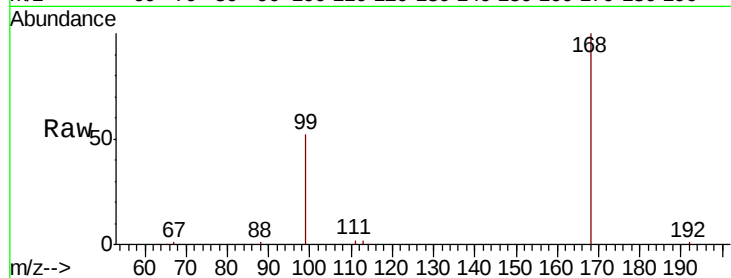
VSSTDCCC005EC

Tot Ion:168 Resp: 50805

Ion Ratio Lower Upper

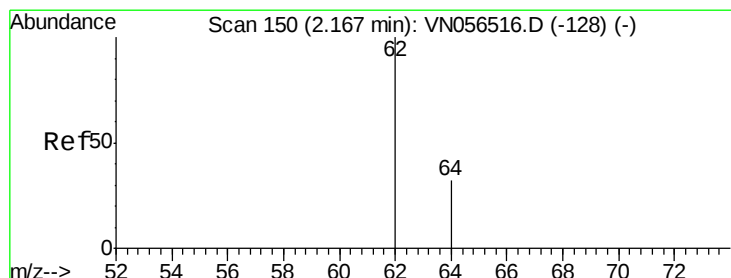
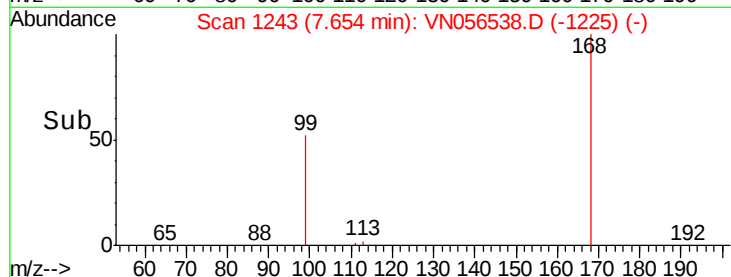
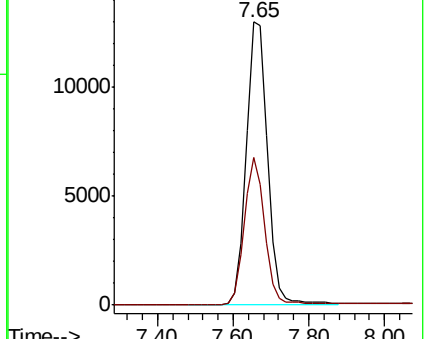
168 100

99 52.2 41.9 62.9



Abundance Ion 168.00 (167.70 to 168.70): VN056516.D (-1233) (-)

Ion 99.00 (98.70 to 99.70): VN056516.D (-1233) (-)



#2

Vinyl Chloride

Concen: 5.150 ug/l

RT: 2.16 min Scan# 149

Delta R.T. -0.00 min

Lab File: VN056538.D

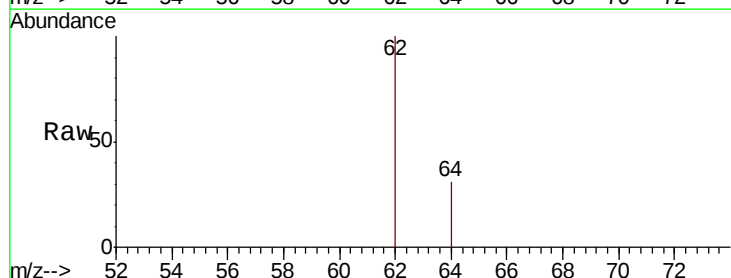
Acq: 28 Jun 2019 3:04

Tgt Ion: 62 Resp: 26156

Ion Ratio Lower Upper

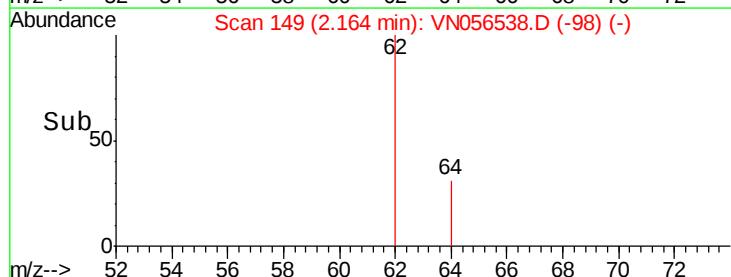
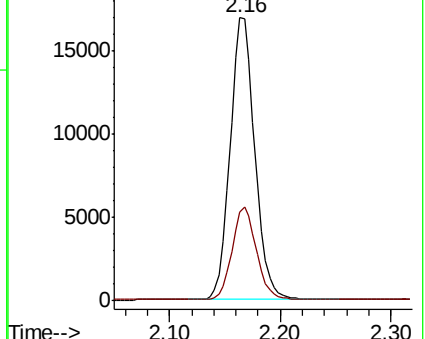
62 100

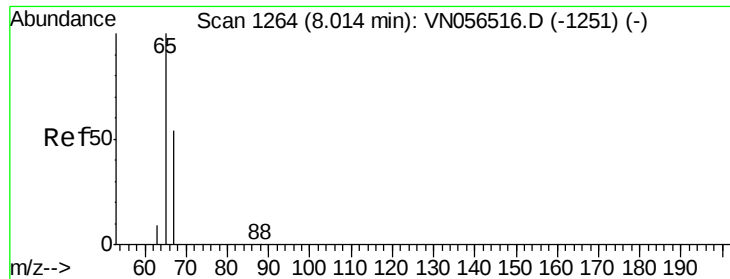
64 31.2 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VN056516.D (-128) (-)

Ion 64.00 (63.70 to 64.70): VN056516.D (-128) (-)





#3

1,2-Dichloroethane-d4

Concen: 5.056 ug/l

RT: 8.01 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN056538.D

Acq: 28 Jun 2019 3:04

Instrument :

MSVOA\_N

ClientSampleId :

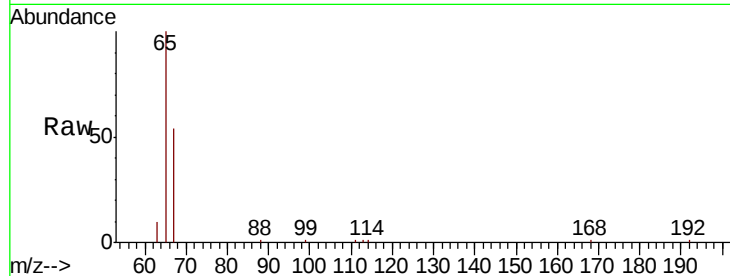
VSSTDCCC005EC

Tot Ion: 65 Resp: 31466

Ion Ratio Lower Upper

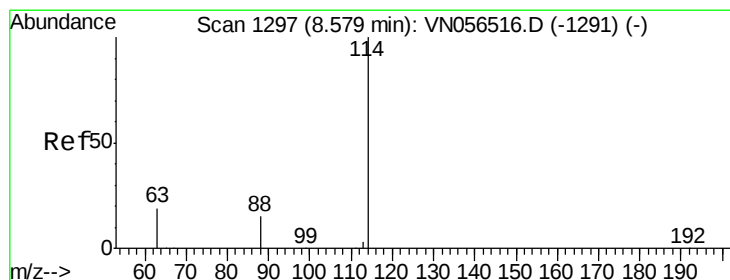
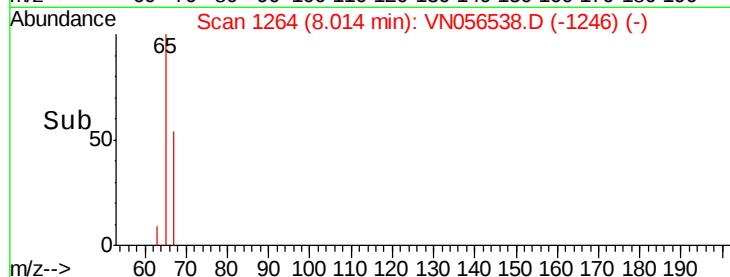
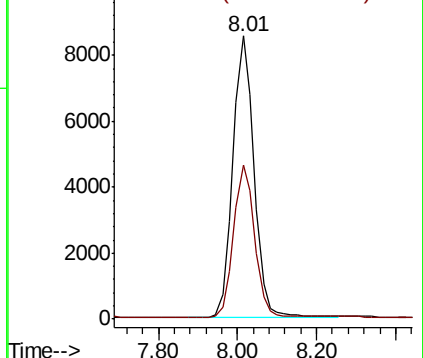
65 100

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: VN056538.D

Acq: 28 Jun 2019 3:04

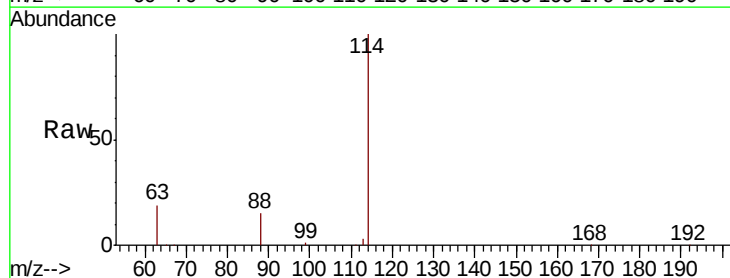
Tgt Ion: 114 Resp: 89320

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.6

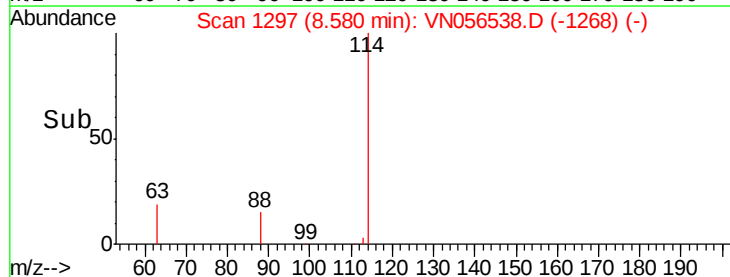
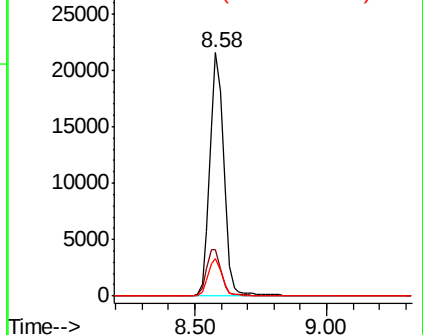
88 15.4 0.0 31.2

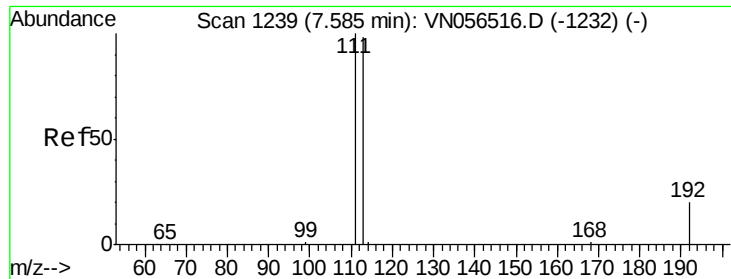


Abundance Ion 114.00 (113.70 to 114.70): VN056516.D (-1291) (-)

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: 4.747 ug/l

RT: 7.59 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VN056538.D

Acq: 28 Jun 2019 3:04

Instrument :

MSVOA\_N

ClientSampleId :

VSSTDCCC005EC

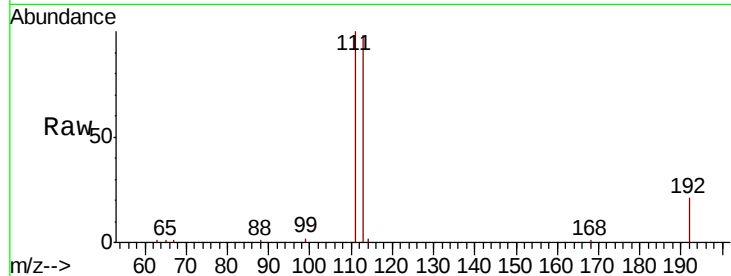
Tot Ion:113 Resp: 23377

Ion Ratio Lower Upper

113 100

111 102.3 81.7 122.5

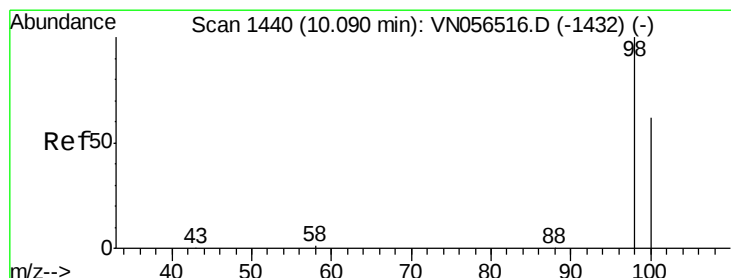
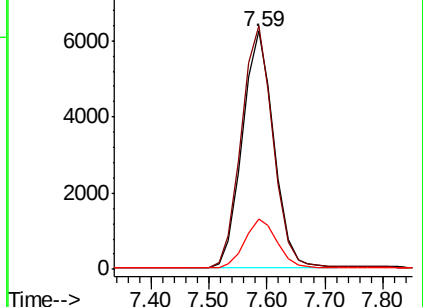
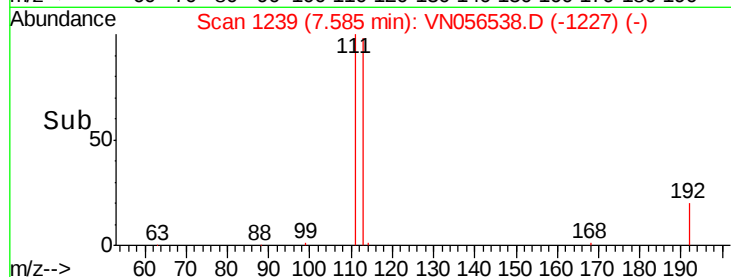
192 21.0 16.9 25.3



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: 4.785 ug/l

RT: 10.09 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VN056538.D

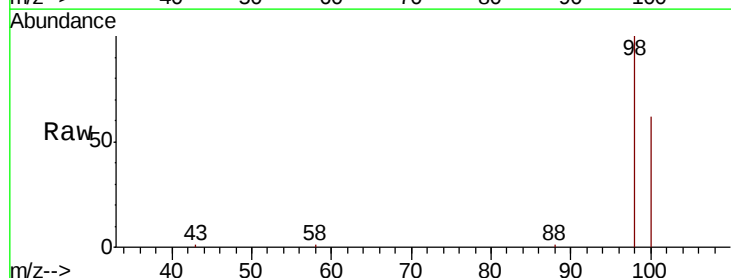
Acq: 28 Jun 2019 3:04

Tgt Ion: 98 Resp: 53316

Ion Ratio Lower Upper

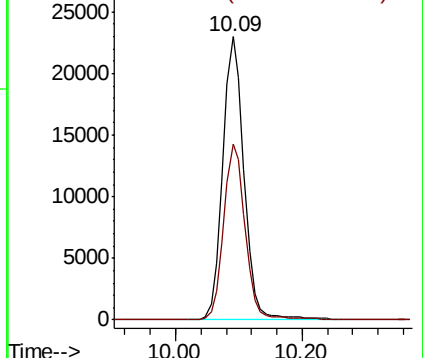
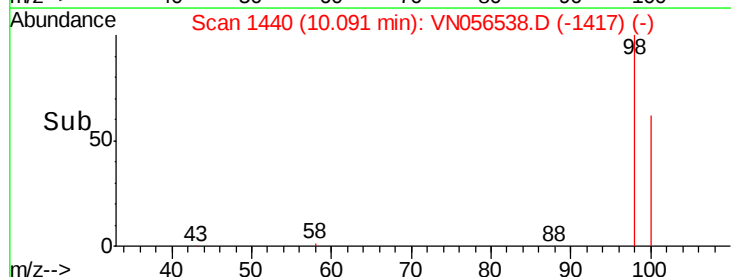
98 100

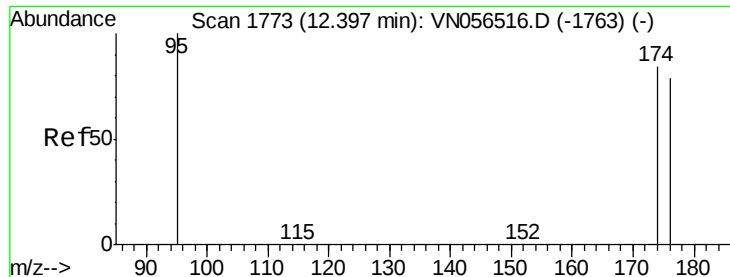
100 62.1 49.7 74.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#7

4-Bromofluorobenzene

Concen: 4.982 ug/l

RT: 12.39 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VN056538.D

Acq: 28 Jun 2019 3:04

Instrument :

MSVOA\_N

ClientSampleId :

VSSTDCCC005EC

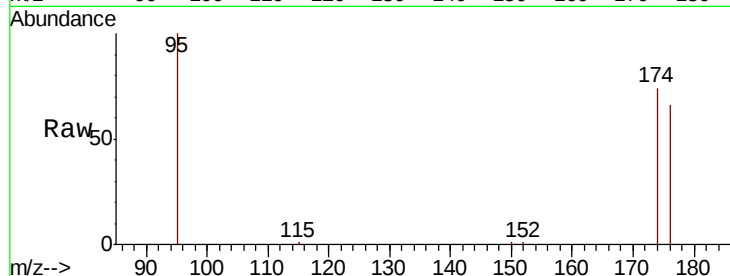
Tot Ion: 95 Resp: 14200

Ion Ratio Lower Upper

95 100

174 74.0 0.0 167.8

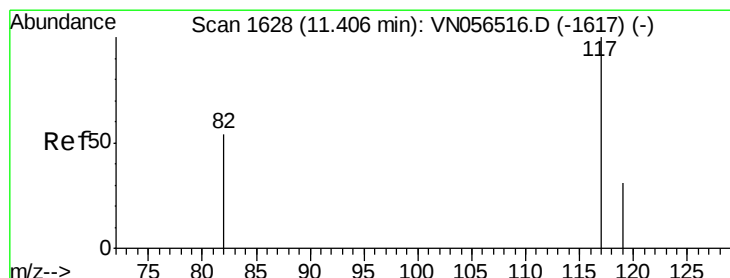
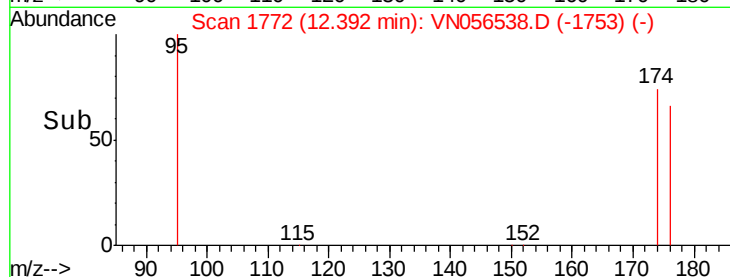
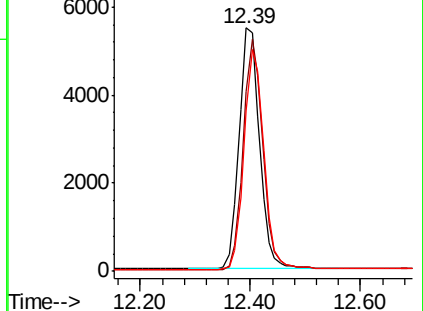
176 66.1 0.0 158.0



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: VN056538.D

Acq: 28 Jun 2019 3:04

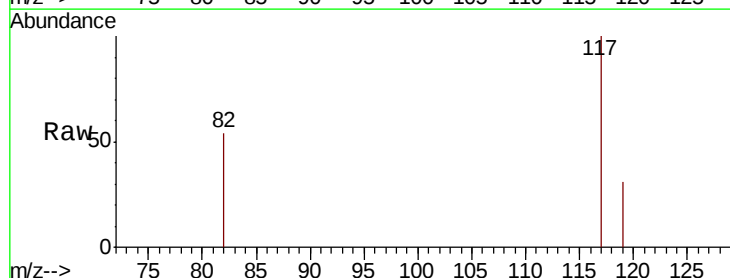
Tgt Ion: 117 Resp: 54532

Ion Ratio Lower Upper

117 100

82 54.0 43.0 64.4

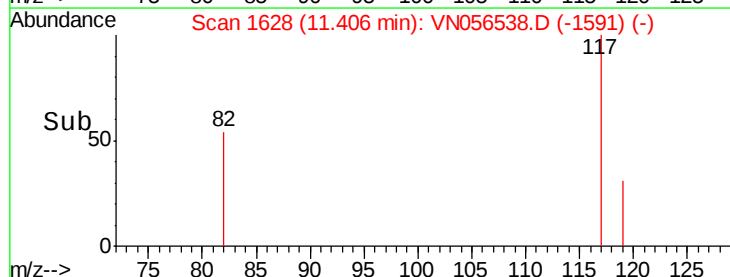
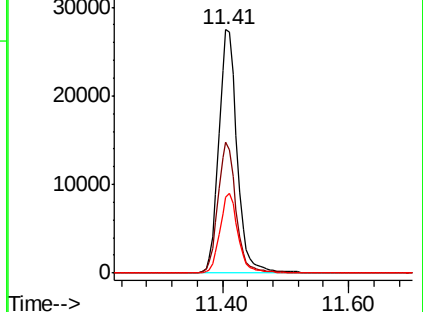
119 31.1 24.7 37.1

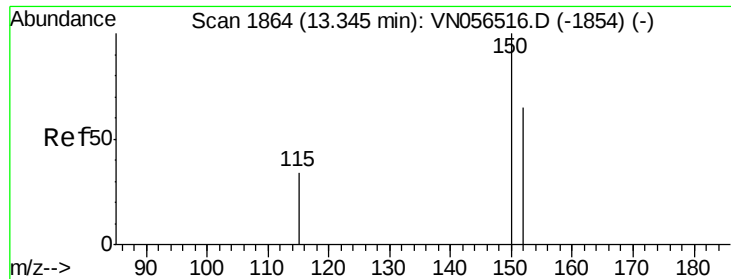


Abundance Ion 117.00 (116.70 to 117.70): VN056516.D (-1617) (-)

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: VN056538.D

Acq: 28 Jun 2019 3:04

Instrument :

MSVOA\_N

ClientSampleId :

VSSTDCCC005EC

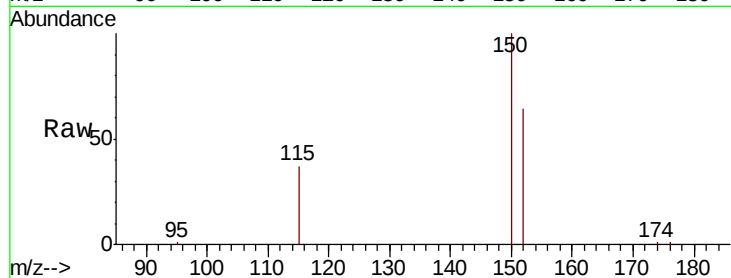
Tot Ion:152 Resp: 8886

Ion Ratio Lower Upper

152 100

115 57.2 27.0 80.8

150 156.4 0.0 306.6



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

