

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100819\  
 Data File : VN058626.D  
 Acq On : 8 Oct 2019 20:57  
 Operator : JC/SP  
 Sample : VSSTDCCC005  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 09 04:18:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100819SIM-VINYL.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 09 04:07:23 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) Pentafluorobenzene     | 7.65  | 168  | 1695408  | 5.00 | ug/l  | 0.00     |
| 4) 1,4-Difluorobenzene    | 8.57  | 114  | 2554115  | 5.00 | ug/l  | 0.00     |
| 8) Chlorobenzene-d5       | 11.41 | 117  | 2298778  | 5.00 | ug/l  | 0.00     |
| 9) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 879410   | 5.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                          |       |       |          |          |      |         |
|--------------------------|-------|-------|----------|----------|------|---------|
| 3) 1,2-Dichloroethane-d4 | 8.01  | 65    | 1061948  | 5.24     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 81 - 118 | Recovery | =    | 104.80% |
| 5) Dibromofluoromethane  | 7.56  | 113   | 821799   | 5.11     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 80 - 119 | Recovery | =    | 102.20% |
| 6) Toluene-d8            | 10.08 | 98    | 1821149  | 5.01     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 89 - 112 | Recovery | =    | 100.20% |
| 7) 4-Bromofluorobenzene  | 12.40 | 95    | 853684   | 4.79     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 85 - 114 | Recovery | =    | 95.80%  |

## Target Compounds

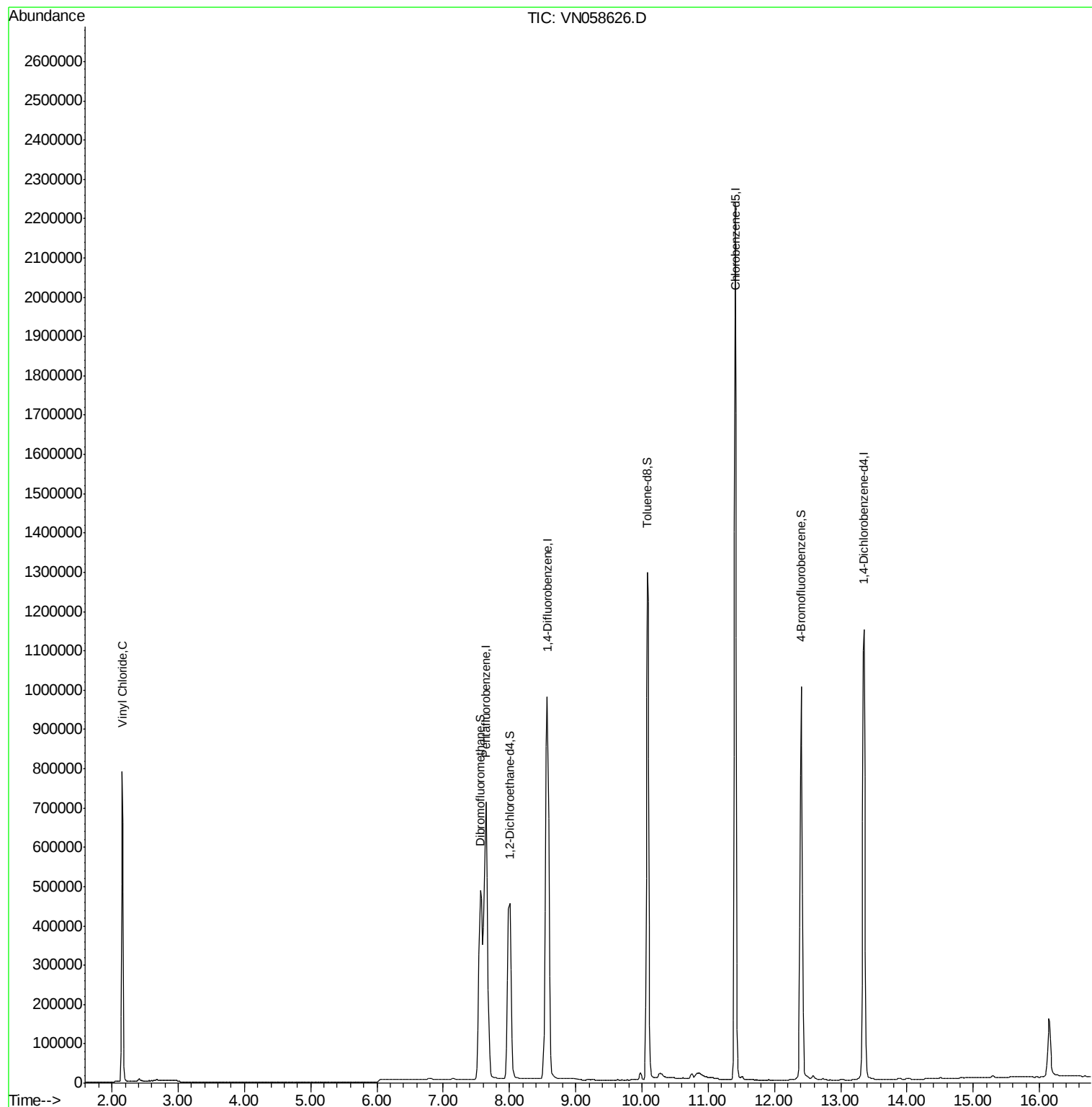
|                   | R.T. | QIon | Response | Conc  | Units | Qvalue |
|-------------------|------|------|----------|-------|-------|--------|
| 2) Vinyl Chloride | 2.16 | 62   | 897377   | 5.208 | ug/l  | 99     |

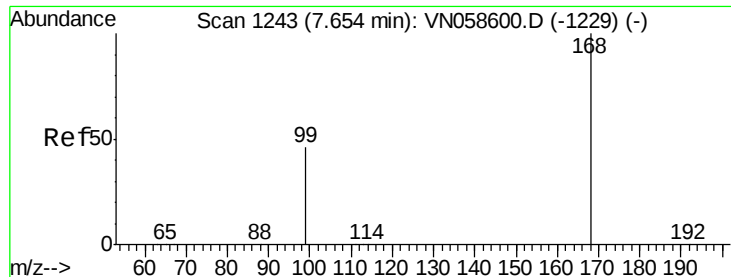
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Oct 09 04:18:09 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N100819SIM-VINYL.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 09 04:07:23 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 5.000 ug/l

RT: 7.65 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VN058626.D

Acq: 8 Oct 2019 20:57

Instrument :

MSVOA\_N

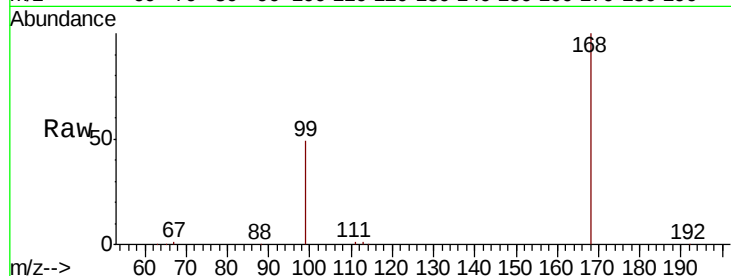
ClientSampleId :

Tot Ion:168 Resp: 1695408

Ion Ratio Lower Upper

168 100

99 49.2 36.8 55.2



Abundance Ion 168.00 (167.70 to 168.70): VN058600.D (-1229) (-)

Ion 99.00 (98.70 to 99.70): VN058600.D (-1229) (-)

7.65

500000

400000

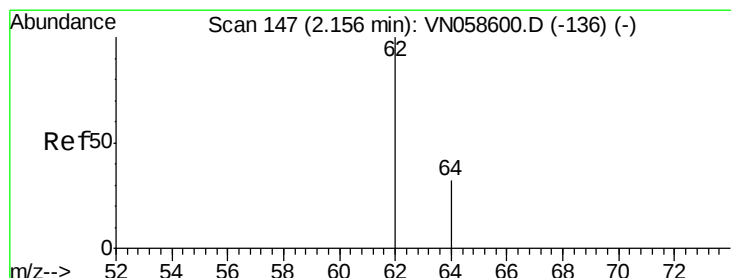
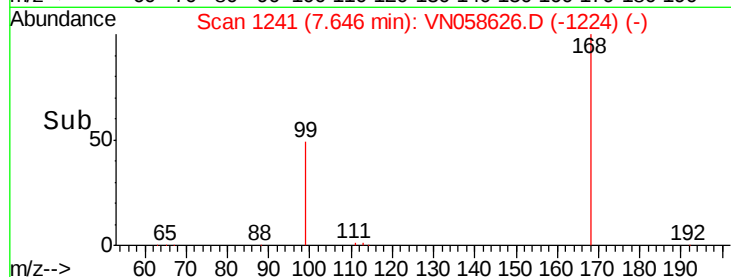
300000

200000

100000

0

Time-->



#2

Vinyl Chloride

Concen: 5.208 ug/l

RT: 2.16 min Scan# 147

Delta R.T. 0.00 min

Lab File: VN058626.D

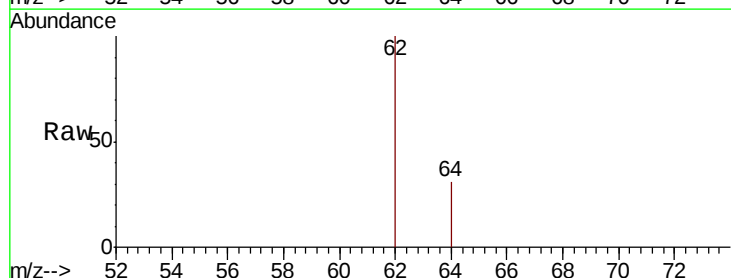
Acq: 8 Oct 2019 20:57

Tgt Ion: 62 Resp: 897377

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.6



Abundance Ion 62.00 (61.70 to 62.70): VN058600.D (-136) (-)

Ion 64.00 (63.70 to 64.70): VN058600.D (-136) (-)

2.16

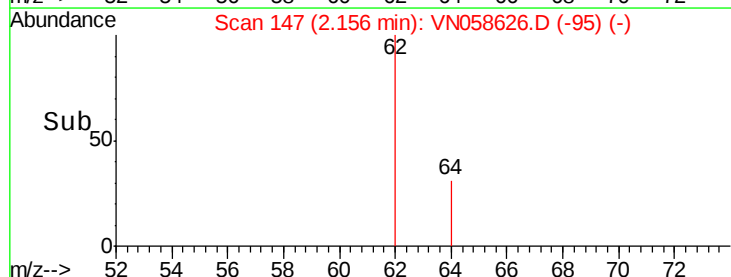
600000

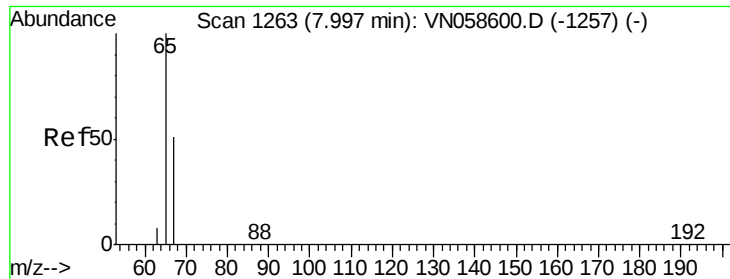
400000

200000

0

Time-->





#3

1,2-Dichloroethane-d4

Concen: 5.243 ug/l

RT: 8.01 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VN058626.D

Acq: 8 Oct 2019 20:57

Instrument :

MSVOA\_N

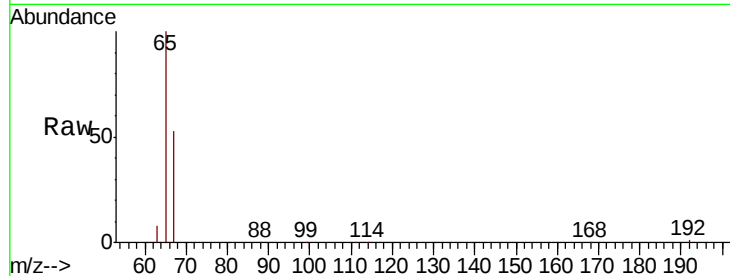
ClientSampled :

Tot Ion: 65 Resp: 1061948

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



Abundance Ion 65.00 (64.70 to 65.70): VN058600.D (-1257) (-)

Ion 67.00 (66.70 to 67.70): VN058600.D (-1257) (-)

8.01

300000

250000

200000

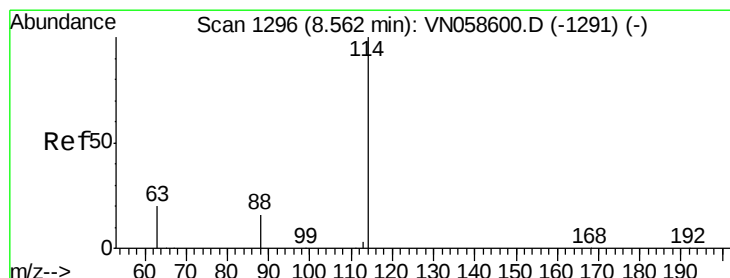
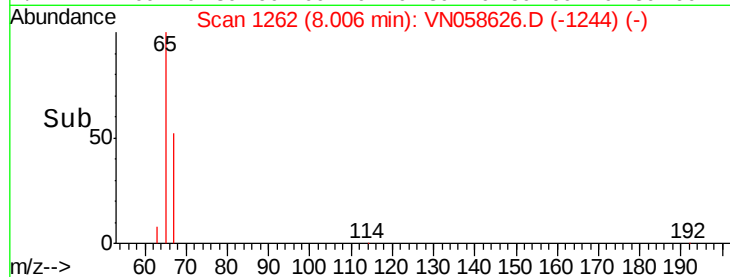
150000

100000

50000

0

Time-->



#4

1,4-Difluorobenzene

Concen: 5.000 ug/l

RT: 8.57 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VN058626.D

Acq: 8 Oct 2019 20:57

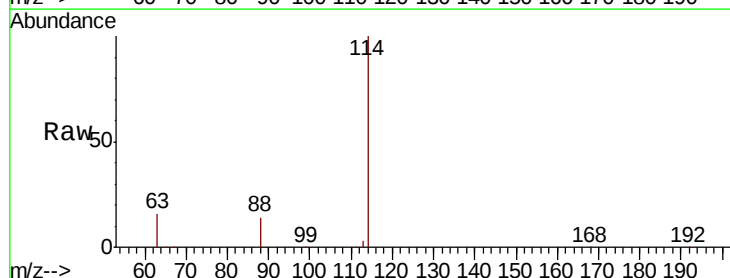
Tgt Ion: 114 Resp: 2554115

Ion Ratio Lower Upper

114 100

63 15.8 0.0 40.6

88 13.7 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): VN058600.D (-1291) (-)

Ion 63.00 (62.70 to 63.70): VN058600.D (-1291) (-)

Ion 88.00 (87.70 to 88.70): VN058600.D (-1291) (-)

8.57

1000000

800000

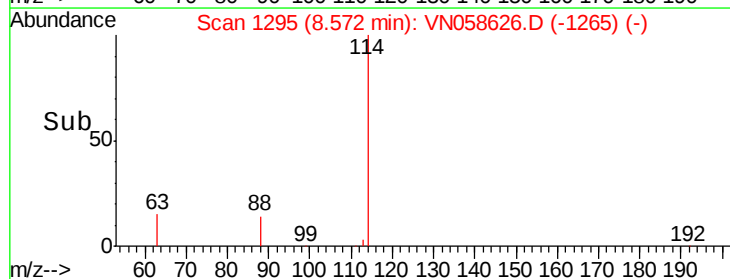
600000

400000

200000

0

Time-->





#5

Dibromofluoromethane

Concen: 5.107 ug/l

RT: 7.56 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VN058626.D

Acq: 8 Oct 2019 20:57

Instrument :  
MSVOA\_N  
ClientSampled :

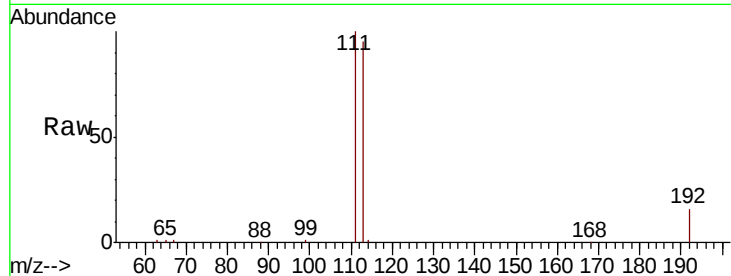
Tot Ion: 113 Resp: 821799

Ion Ratio Lower Upper

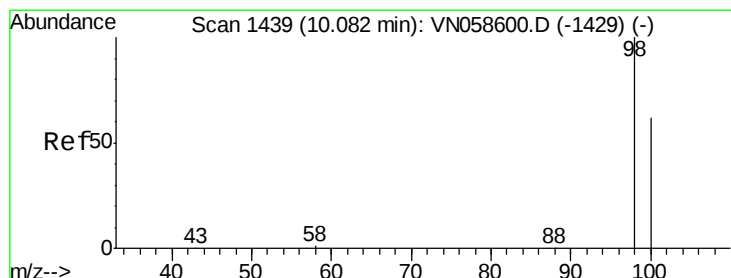
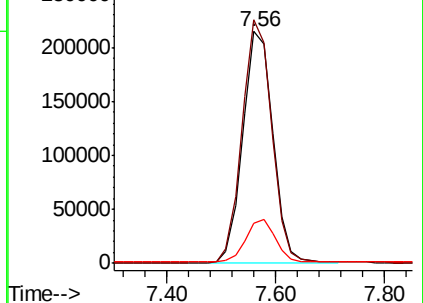
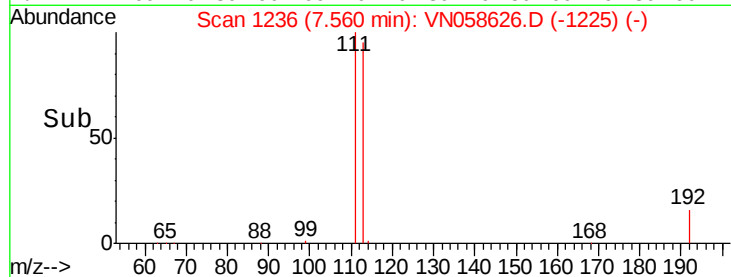
113 100

111 105.1 82.5 123.7

192 17.2 14.9 22.3



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: 5.009 ug/l

RT: 10.08 min Scan# 1437

Delta R.T. 0.00 min

Lab File: VN058626.D

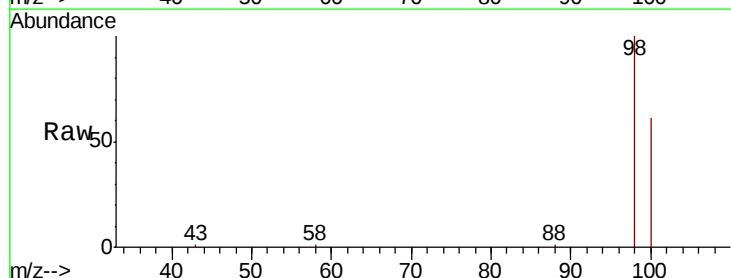
Acq: 8 Oct 2019 20:57

Tgt Ion: 98 Resp: 1821149

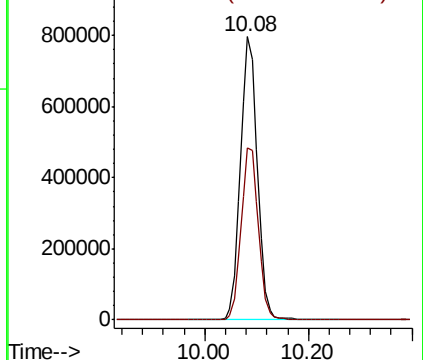
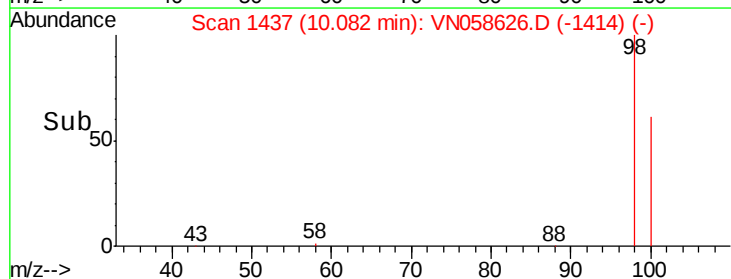
Ion Ratio Lower Upper

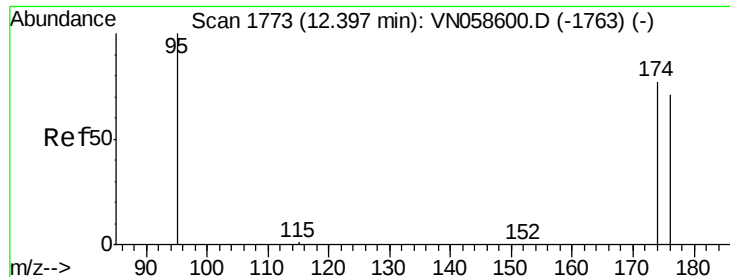
98 100

100 60.9 49.4 74.2



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





#7

4-Bromofluorobenzene

Concen: 4.793 ug/l

RT: 12.40 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VN058626.D

Acq: 8 Oct 2019 20:57

Instrument :

MSVOA\_N

ClientSampleId :

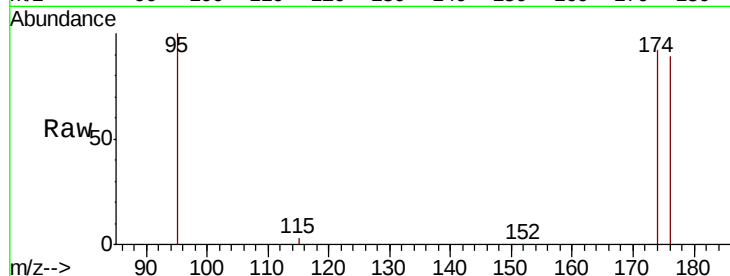
Tot Ion: 95 Resp: 853684

Ion Ratio Lower Upper

95 100

174 91.6 0.0 153.4

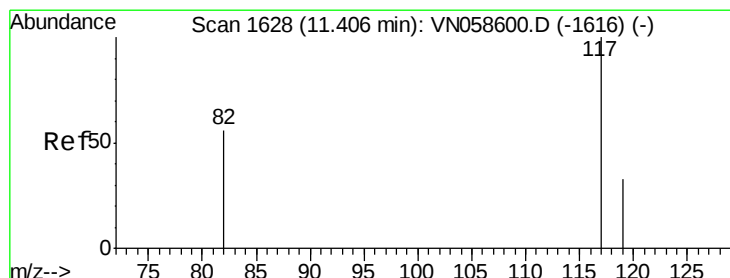
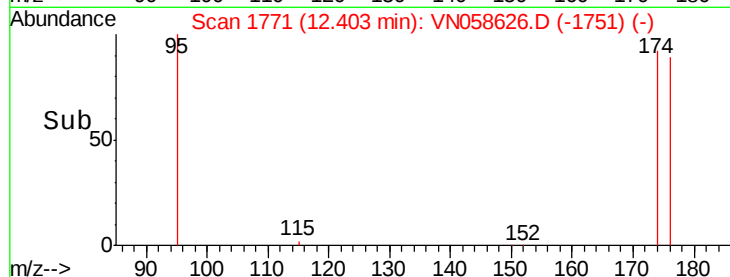
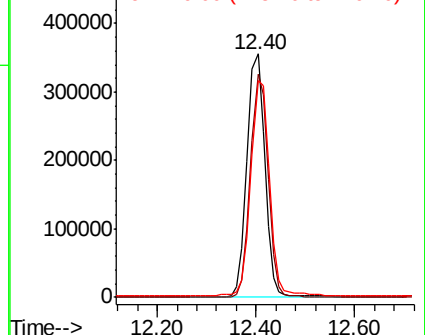
176 88.9 0.0 142.2



Abundance Ion 95.00 (94.70 to 95.70): VN058600.D (-1763) (-)

Ion 174.00 (173.70 to 174.70): VN058600.D (-1763) (-)

Ion 176.00 (175.70 to 176.70): VN058600.D (-1763) (-)



#8

Chlorobenzene-d5

Concen: 5.000 ug/l

RT: 11.41 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VN058626.D

Acq: 8 Oct 2019 20:57

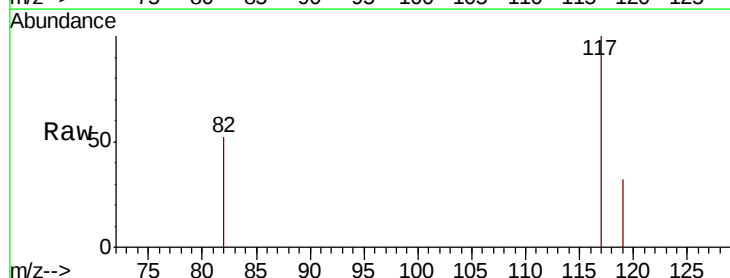
Tgt Ion: 117 Resp: 2298778

Ion Ratio Lower Upper

117 100

82 52.5 44.7 67.1

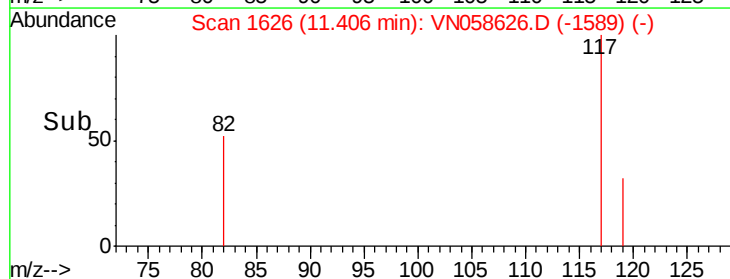
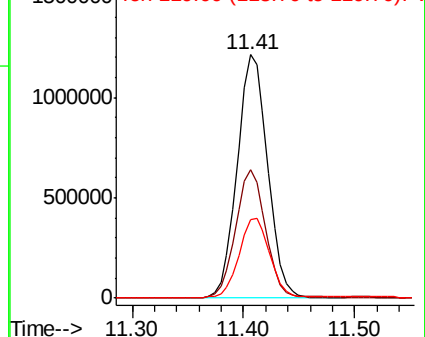
119 32.1 27.0 40.4

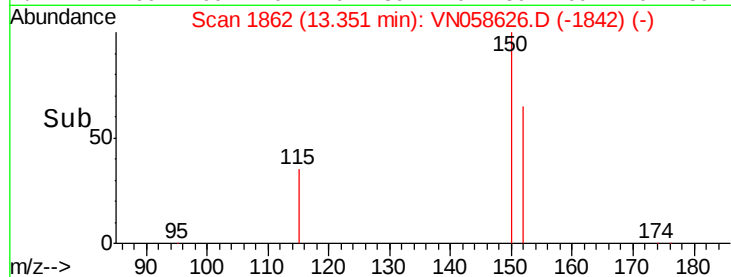
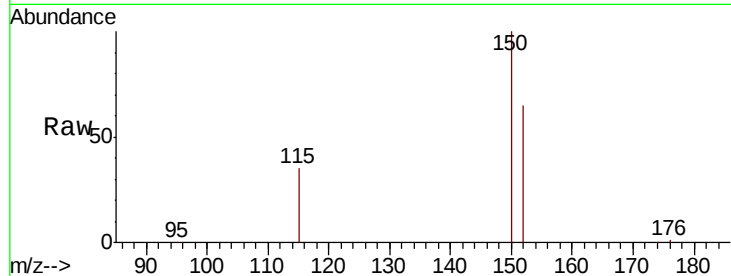
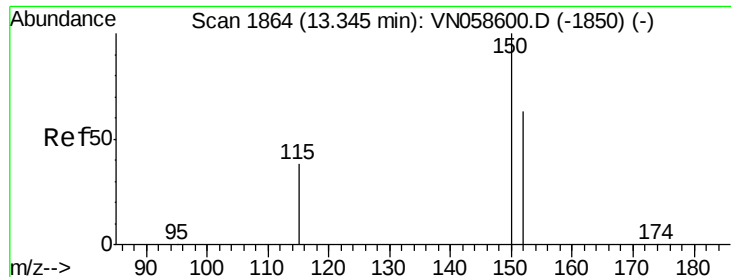


Abundance Ion 117.00 (116.70 to 117.70): VN058600.D (-1616) (-)

Ion 82.00 (81.70 to 82.70): VN058600.D (-1616) (-)

Ion 119.00 (118.70 to 119.70): VN058600.D (-1616) (-)





#9

1,4-Dichlorobenzene-d4

Concen: 5.000 ug/l

RT: 13.35 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VN058626.D

Acq: 8 Oct 2019 20:57

Instrument :

MSVOA\_N

ClientSampleId :

Tot Ion:152 Resp: 879410

Ion Ratio Lower Upper

152 100

115 54.0 29.9 89.8

150 154.0 0.0 315.8

