

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072519\  
 Data File : VN056916.D  
 Acq On : 24 Jul 2019 16:39  
 Operator : JC/SP  
 Sample : K3921-05MSD  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU19-MSW0620MSD

Quant Time: Jul 25 01:33:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072519SIM-VINYL.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 25 01:27:20 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) Pentafluorobenzene     | 7.65  | 168  | 50042    | 5.00 | ug/l  | 0.00     |
| 4) 1,4-Difluorobenzene    | 8.58  | 114  | 82702    | 5.00 | ug/l  | 0.00     |
| 8) Chlorobenzene-d5       | 11.41 | 117  | 49628    | 5.00 | ug/l  | 0.00     |
| 9) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 7664     | 5.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                          |       |       |          |          |      |        |
|--------------------------|-------|-------|----------|----------|------|--------|
| 3) 1,2-Dichloroethane-d4 | 8.01  | 65    | 28047    | 4.85     | ug/l | 0.00   |
| Spiked Amount            | 5.000 | Range | 81 - 118 | Recovery | =    | 97.00% |
| 5) Dibromofluoromethane  | 7.59  | 113   | 23330    | 4.88     | ug/l | 0.00   |
| Spiked Amount            | 5.000 | Range | 80 - 119 | Recovery | =    | 97.60% |
| 6) Toluene-d8            | 10.09 | 98    | 47210    | 4.81     | ug/l | 0.00   |
| Spiked Amount            | 5.000 | Range | 89 - 112 | Recovery | =    | 96.20% |
| 7) 4-Bromofluorobenzene  | 12.39 | 95    | 12193    | 4.81     | ug/l | 0.00   |
| Spiked Amount            | 5.000 | Range | 85 - 114 | Recovery | =    | 96.20% |

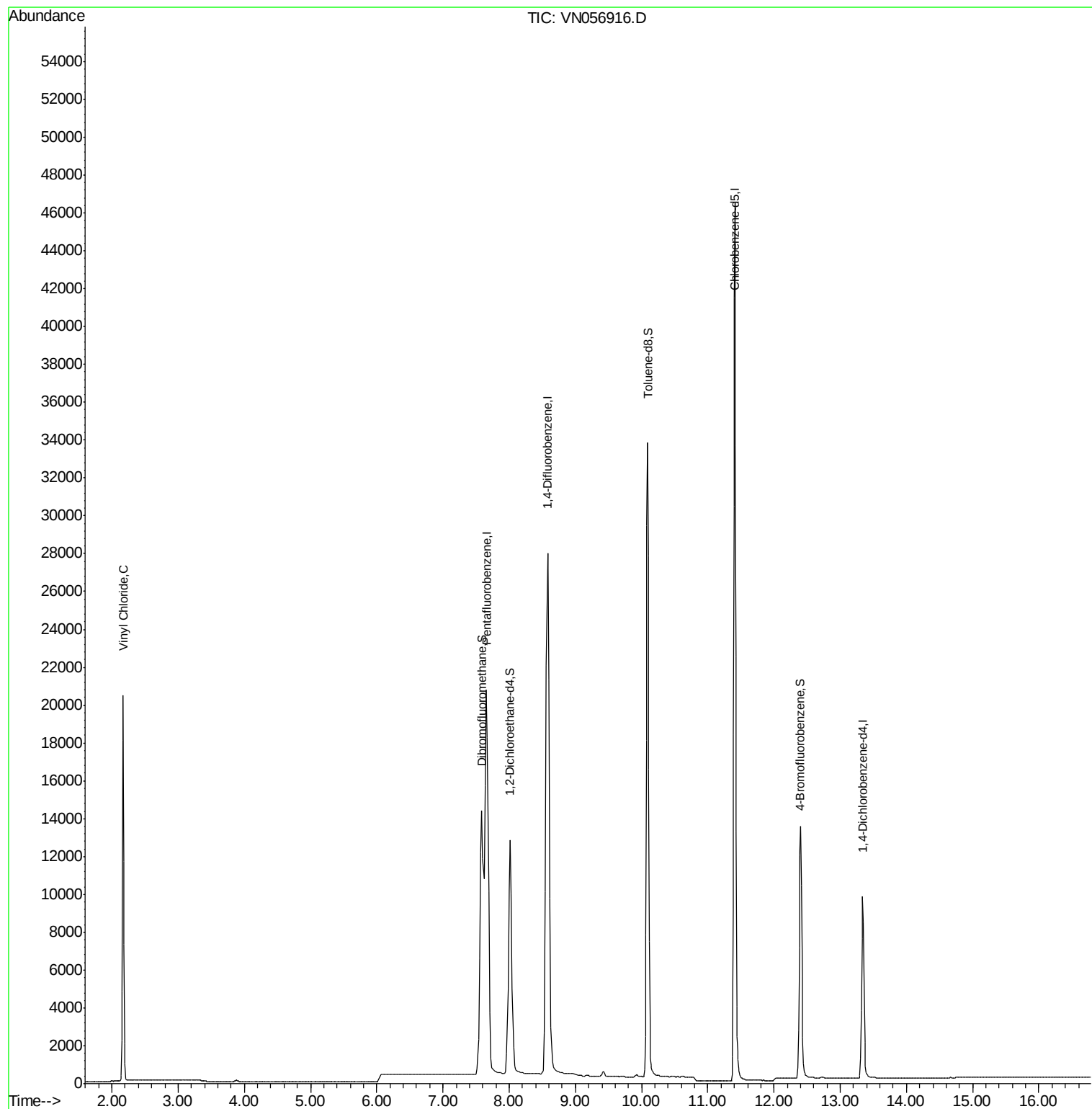
| Target Compounds  |      |    |       |            | Qvalue |
|-------------------|------|----|-------|------------|--------|
| 2) Vinyl Chloride | 2.17 | 62 | 22924 | 5.246 ug/l | 99     |

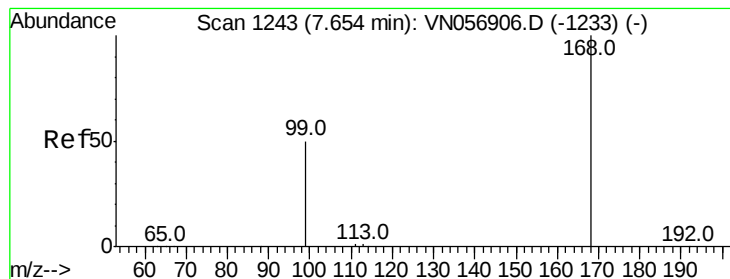
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jul 25 01:27:20 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: VN056916.D

Acq: 24 Jul 2019 16:39

Instrument :

MSVOA\_N

ClientSampleId :

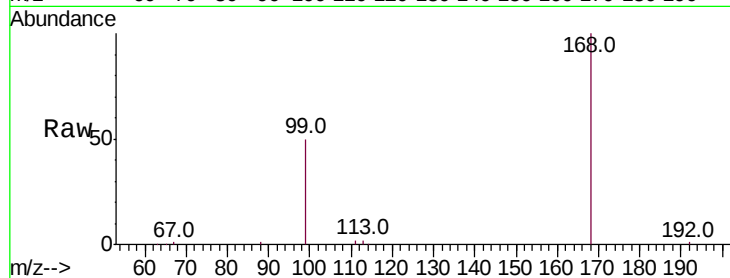
SU19-MSW0620MSD

Tot Ion:168 Resp: 50042

Ion Ratio Lower Upper

168 100

99 50.4 40.1 60.1



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VN

7.65

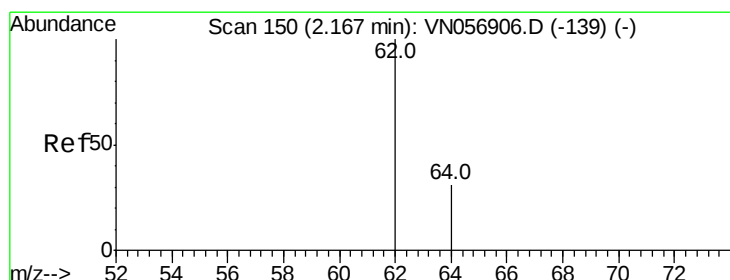
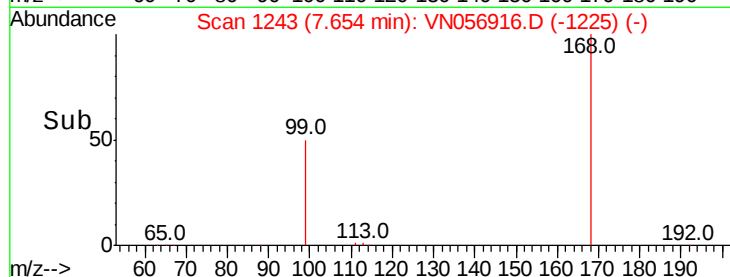
15000

10000

5000

0

Time-->



#2

Vinyl Chloride

Concen: 5.246 ug/l

RT: 2.17 min Scan# 150

Delta R.T. 0.00 min

Lab File: VN056916.D

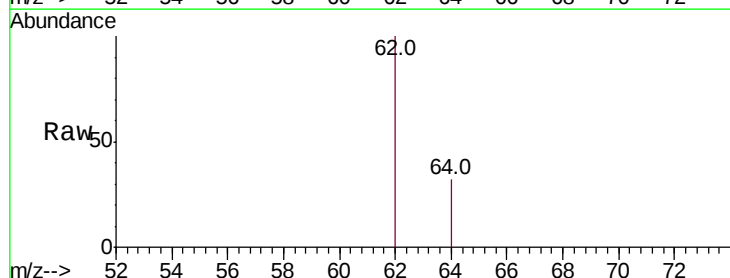
Acq: 24 Jul 2019 16:39

Tgt Ion: 62 Resp: 22924

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7



Abundance Ion 62.00 (61.70 to 62.70): VN

Ion 64.00 (63.70 to 64.70): VN

2.17

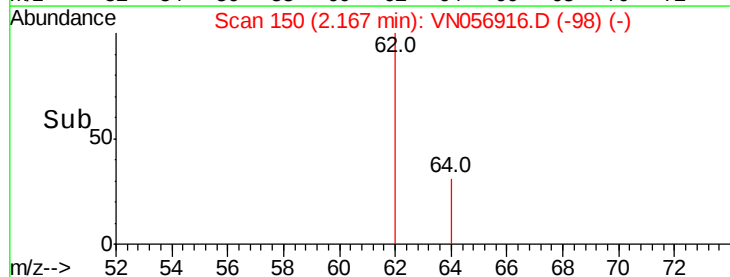
15000

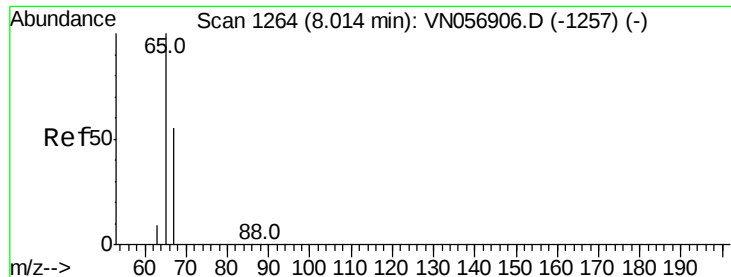
10000

5000

0

Time-->





#3

1,2-Dichloroethane-d4

Concen: 4.852 ug/l

RT: 8.01 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN056916.D

Acq: 24 Jul 2019 16:39

Instrument :

MSVOA\_N

ClientSampleId :

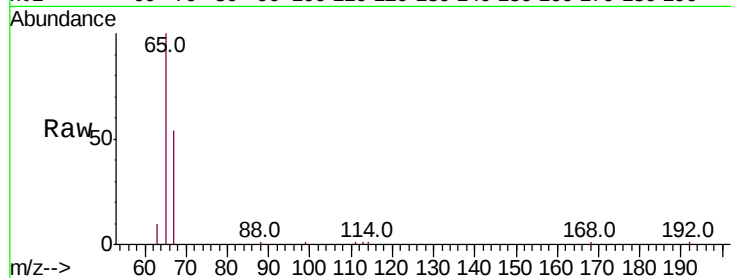
SU19-MSW0620MSD

Tot Ion: 65 Resp: 28047

Ion Ratio Lower Upper

65 100

67 54.3 0.0 110.2



Abundance Ion 65.00 (64.70 to 65.70): VN056916.D (-1257) (-)

Ion 67.00 (66.70 to 67.70): VN056916.D (-1257) (-)

8.01

8000

6000

4000

2000

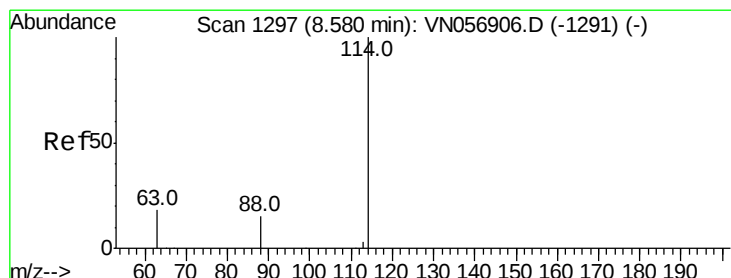
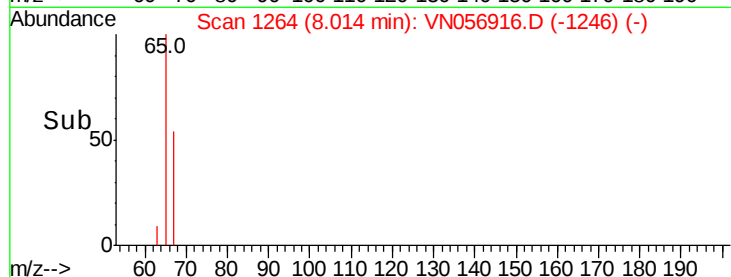
0

7.80

8.00

8.20

Time-->



#4

1,4-Difluorobenzene

Concen: 5.000 ug/l

RT: 8.58 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VN056916.D

Acq: 24 Jul 2019 16:39

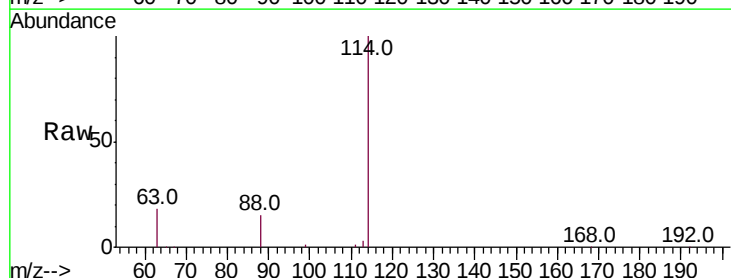
Tgt Ion: 114 Resp: 82702

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.2

88 15.0 0.0 30.2



Abundance Ion 114.00 (113.70 to 114.70): VN056916.D (-1291) (-)

Ion 63.00 (62.70 to 63.70): VN056916.D (-1291) (-)

Ion 88.00 (87.70 to 88.70): VN056916.D (-1291) (-)

8.58

25000

20000

15000

10000

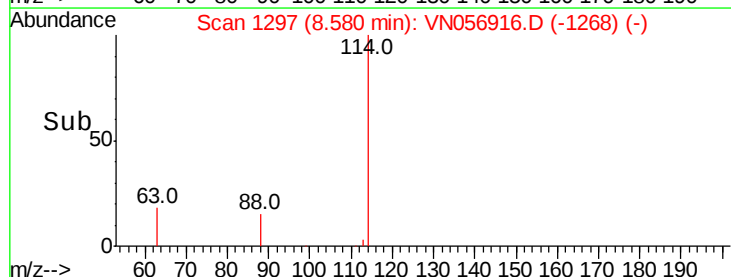
5000

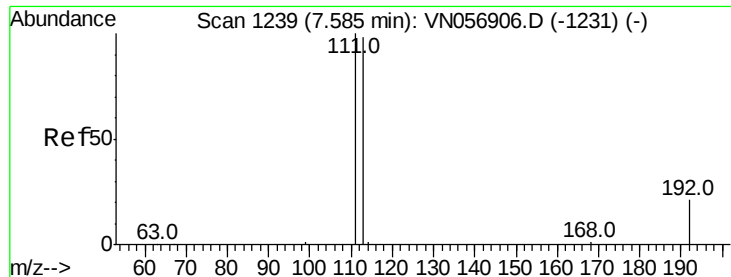
0

8.50

9.00

Time-->





#5

Dibromofluoromethane

Concen: 4.881 ug/l

RT: 7.59 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VN056916.D

Acq: 24 Jul 2019 16:39

Instrument :

MSVOA\_N

ClientSampleId :

SU19-MSW0620MSD

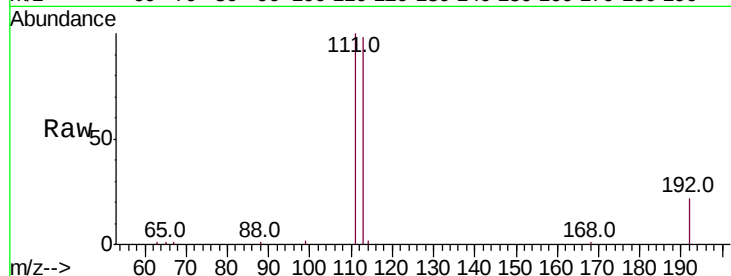
Tot Ion:113 Resp: 23330

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

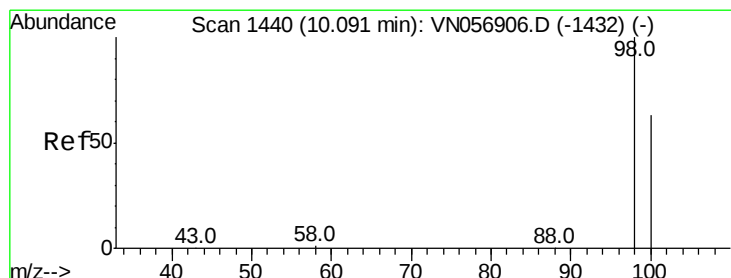
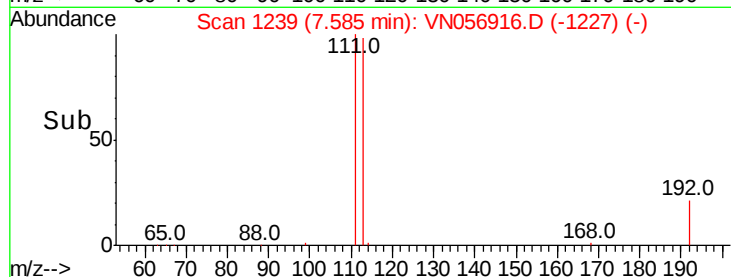
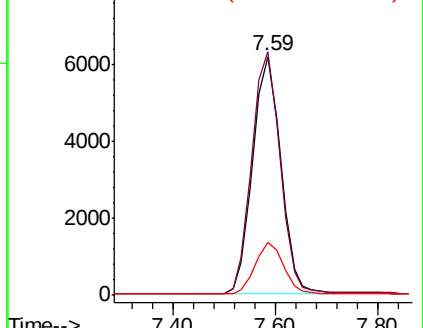
192 22.1 17.4 26.0



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: 4.815 ug/l

RT: 10.09 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VN056916.D

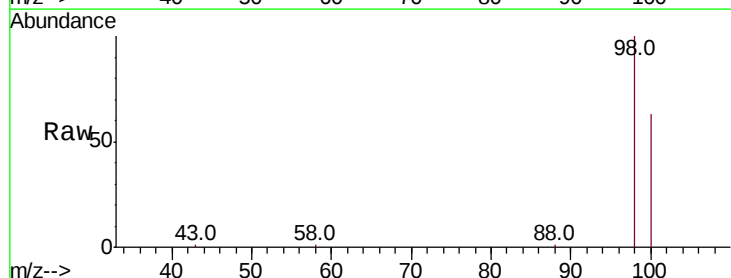
Acq: 24 Jul 2019 16:39

Tgt Ion: 98 Resp: 47210

Ion Ratio Lower Upper

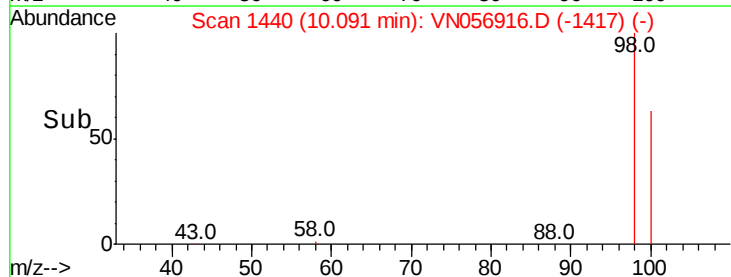
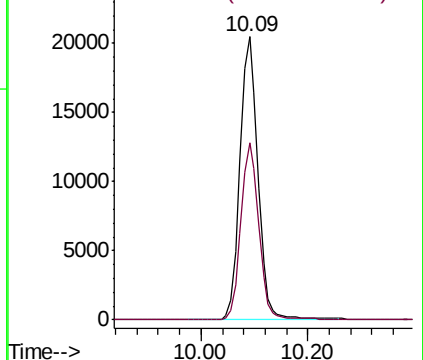
98 100

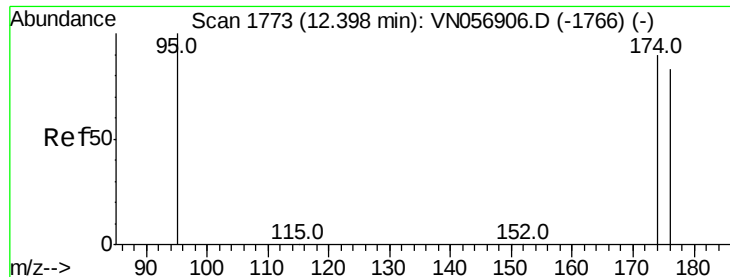
100 62.6 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#7

4-Bromofluorobenzene

Concen: 4.811 ug/l

RT: 12.39 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VN056916.D

Acq: 24 Jul 2019 16:39

Instrument :

MSVOA\_N

ClientSampleId :

SU19-MSW0620MSD

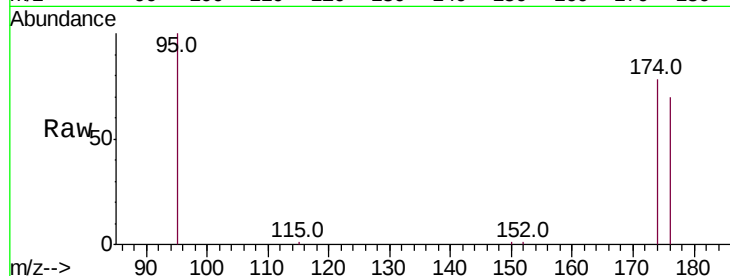
Tot Ion: 95 Resp: 12193

Ion Ratio Lower Upper

95 100

174 77.6 0.0 179.8

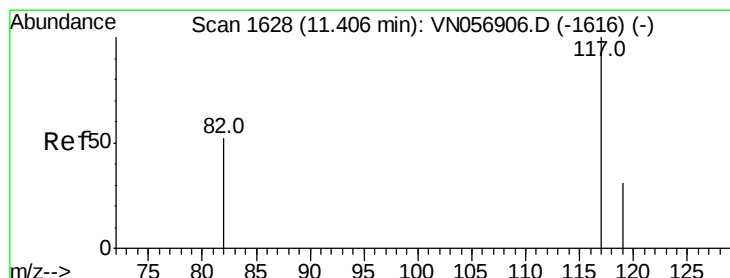
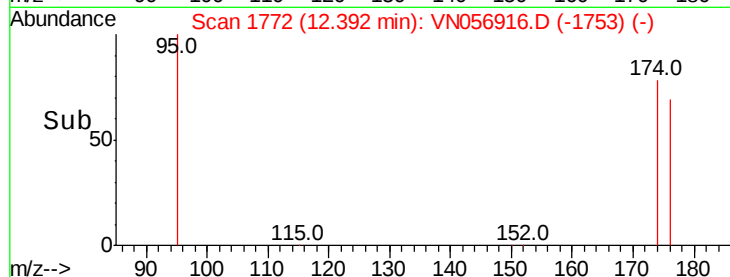
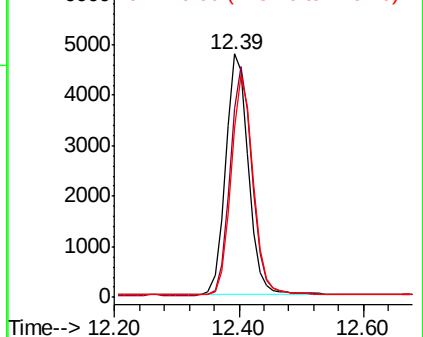
176 69.7 0.0 166.6



Abundance Ion 95.00 (94.70 to 95.70): VN056916.D (-1766) (-)

Ion 174.00 (173.70 to 174.70): VN056916.D (-1766) (-)

Ion 176.00 (175.70 to 176.70): VN056916.D (-1766) (-)



#8

Chlorobenzene-d5

Concen: 5.000 ug/l

RT: 11.41 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN056916.D

Acq: 24 Jul 2019 16:39

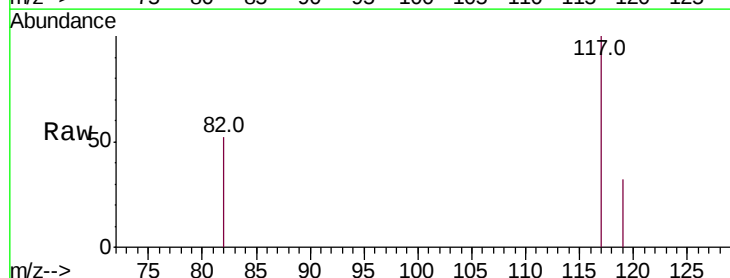
Tgt Ion: 117 Resp: 49628

Ion Ratio Lower Upper

117 100

82 52.1 42.0 63.0

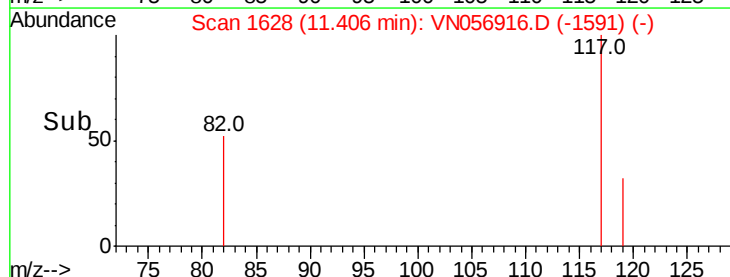
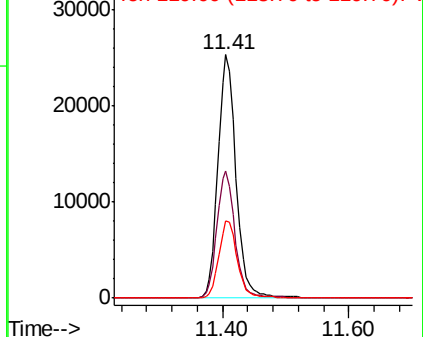
119 31.7 25.1 37.7

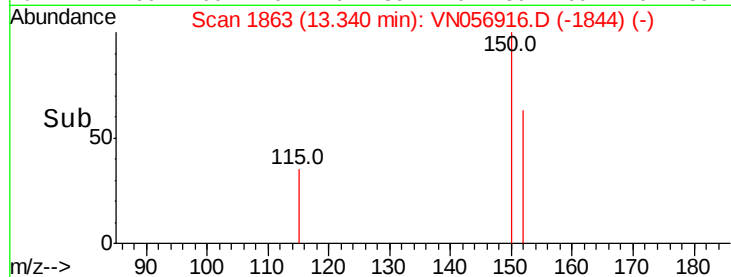
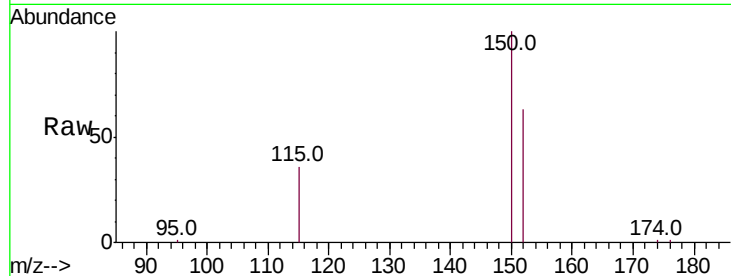
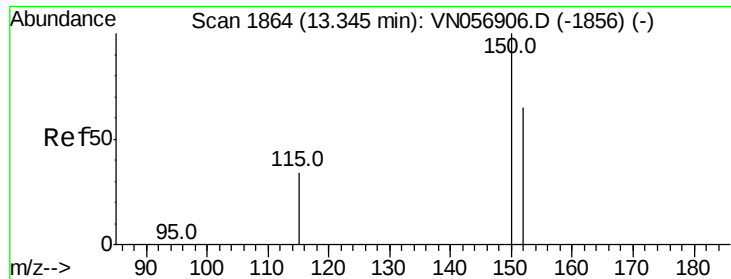


Abundance Ion 117.00 (116.70 to 117.70): VN056916.D (-1616) (-)

Ion 82.00 (81.70 to 82.70): VN056916.D (-1616) (-)

Ion 119.00 (118.70 to 119.70): VN056916.D (-1616) (-)





#9

1,4-Dichlorobenzene-d4

Concen: 5.000 ug/l

RT: 13.34 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VN056916.D

Acq: 24 Jul 2019 16:39

Instrument :

MSVOA\_N

ClientSampleId :

SU19-MSW0620MSD

Tot Ion:152 Resp: 7664

Ion Ratio Lower Upper

152 100

115 56.7 26.5 79.4

150 158.8 0.0 306.2

