

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062719\  
 Data File : VN056528.D  
 Acq On : 27 Jun 2019 23:10  
 Operator : JC/SP  
 Sample : K3519-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SP-19-LF2MW1

Quant Time: Jun 28 03:30:48 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     | 7.67  | 168  | 49757    | 5.00 | ug/l  | 0.02     |
| 4) 1,4-Difluorobenzene    | 8.58  | 114  | 86669    | 5.00 | ug/l  | 0.00     |
| 8) Chlorobenzene-d5       | 11.41 | 117  | 53577    | 5.00 | ug/l  | 0.00     |
| 9) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 7912     | 5.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                          |       |       |          |          |      |         |
|--------------------------|-------|-------|----------|----------|------|---------|
| 3) 1,2-Dichloroethane-d4 | 8.01  | 65    | 31741    | 5.21     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 81 - 118 | Recovery | =    | 104.20% |
| 5) Dibromofluoromethane  | 7.59  | 113   | 23750    | 4.97     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 80 - 119 | Recovery | =    | 99.40%  |
| 6) Toluene-d8            | 10.09 | 98    | 53164    | 4.92     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 89 - 112 | Recovery | =    | 98.40%  |
| 7) 4-Bromofluorobenzene  | 12.40 | 95    | 13306    | 4.81     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 85 - 114 | Recovery | =    | 96.20%  |

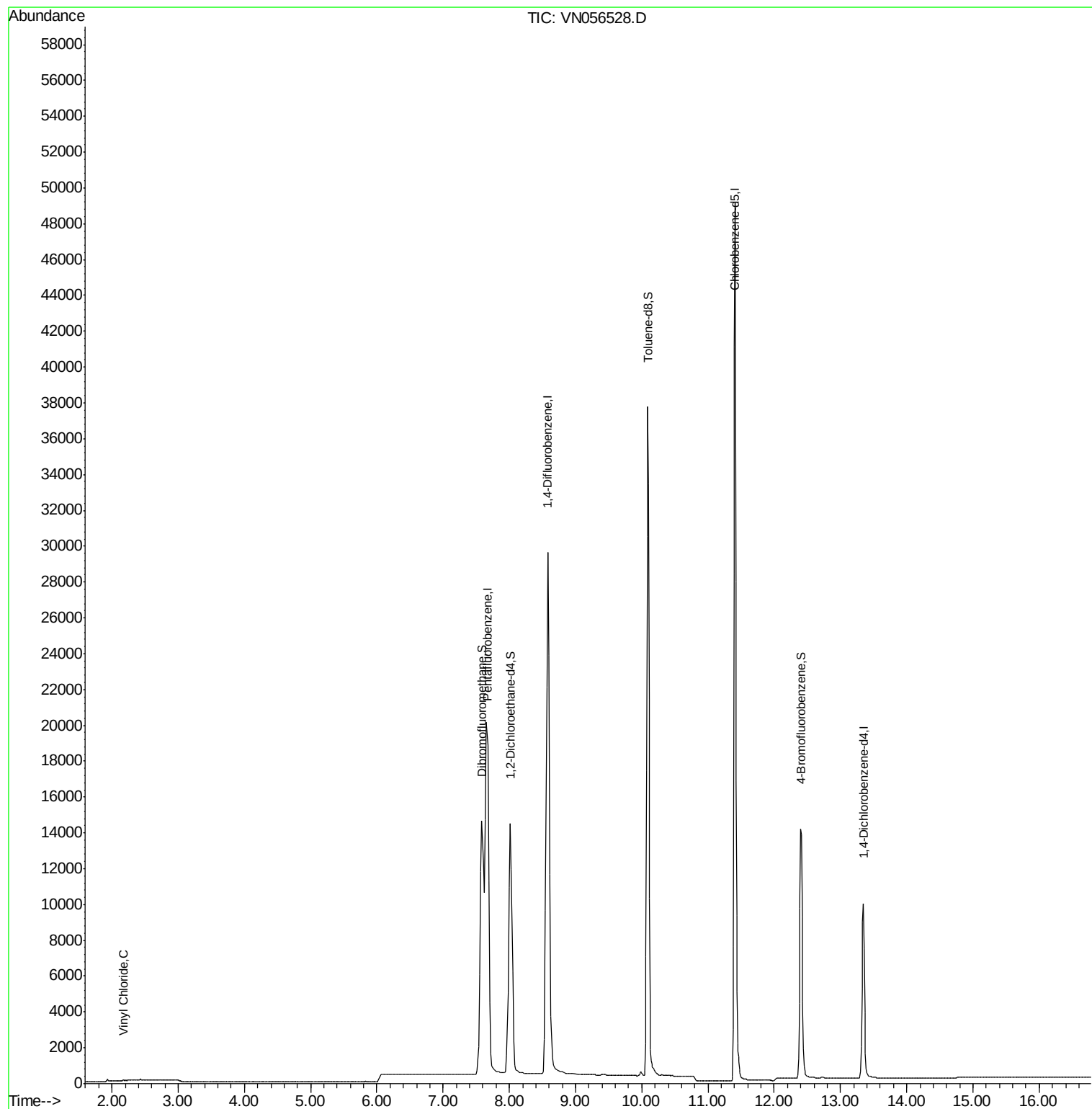
| Target Compounds  | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|-------------------|------|------|----------|-------|--------|--------|
| 2) Vinyl Chloride | 2.17 | 62   | 25       | 0.005 | ug/l # | 1      |

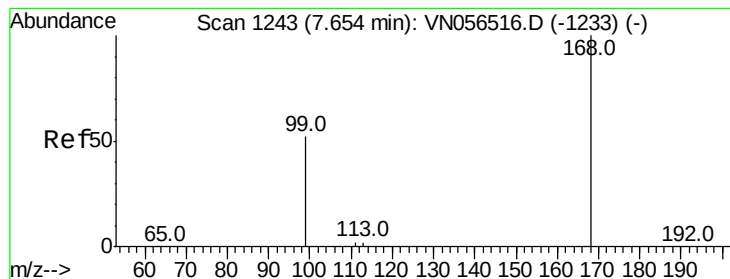
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 28 03:30:48 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: 7.67 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VN056528.D

Acq: 27 Jun 2019 23:10

Instrument :

MSVOA\_N

ClientSampleId :

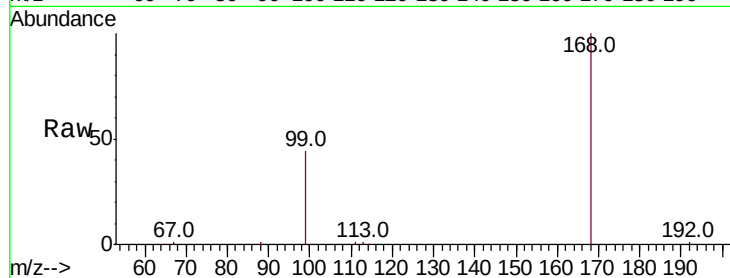
SP-19-LF2MW1

Tot Ion:168 Resp: 49757

Ion Ratio Lower Upper

168 100

99 44.1 41.9 62.9



Abundance Ion 168.00 (167.70 to 168.70): VN056528.D (-1225) (-)

Ion 99.00 (98.70 to 99.70): VN056528.D (-1225) (-)

7.67

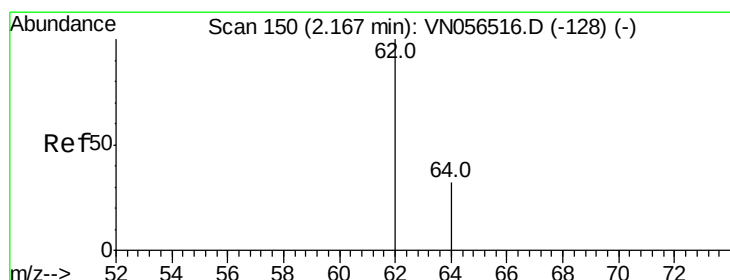
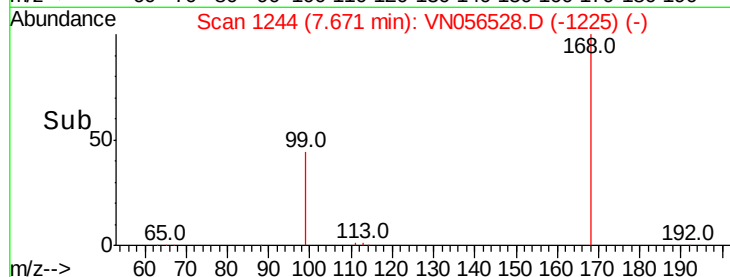
15000

10000

5000

0

Time-->



#2

Vinyl Chloride

Concen: 0.005 ug/l

RT: 2.17 min Scan# 150

Delta R.T. 0.00 min

Lab File: VN056528.D

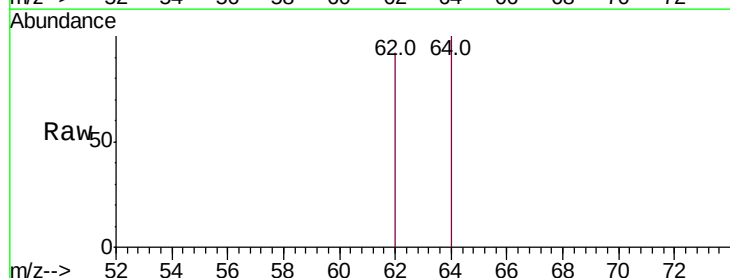
Acq: 27 Jun 2019 23:10

Tgt Ion: 62 Resp: 25

Ion Ratio Lower Upper

62 100

64 108.8 26.1 39.1#



Abundance Ion 62.00 (61.70 to 62.70): VN056528.D (-98) (-)

Ion 64.00 (63.70 to 64.70): VN056528.D (-98) (-)

2.17

100

80

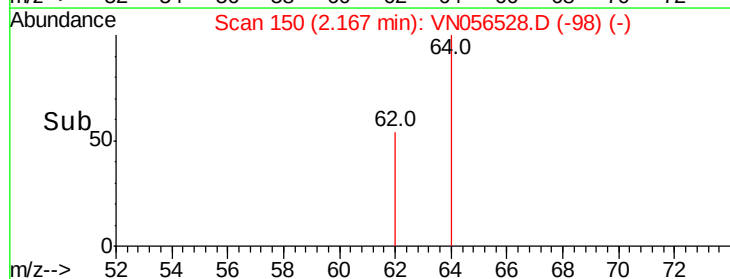
60

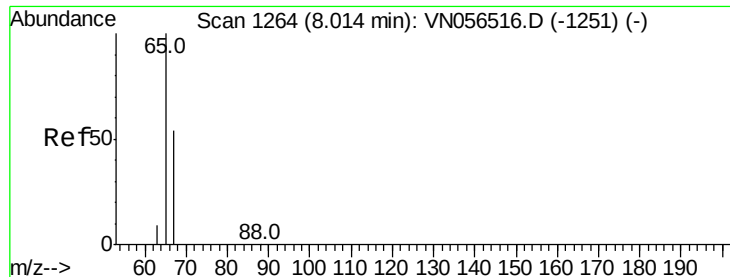
40

20

0

Time-->





#3

1,2-Dichloroethane-d4

Concen: 5.208 ug/l

RT: 8.01 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN056528.D

Acq: 27 Jun 2019 23:10

Instrument :

MSVOA\_N

ClientSampleId :

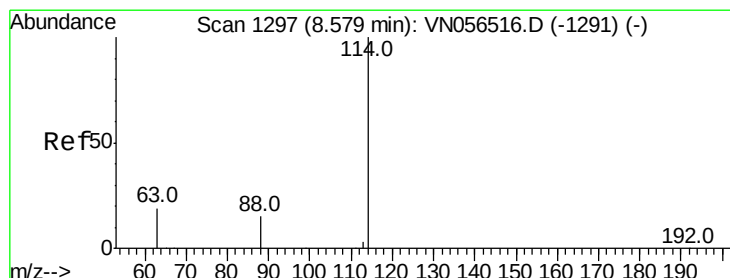
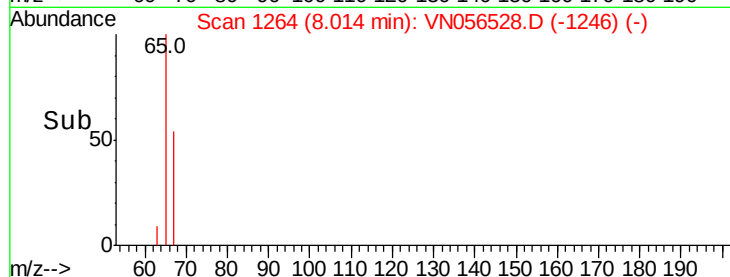
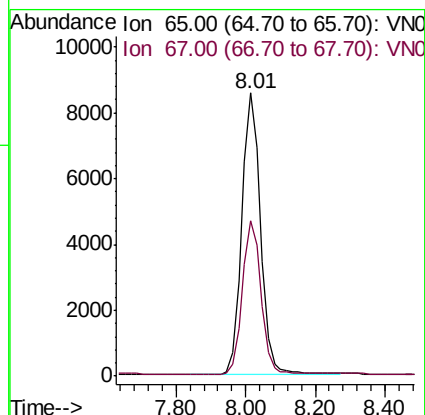
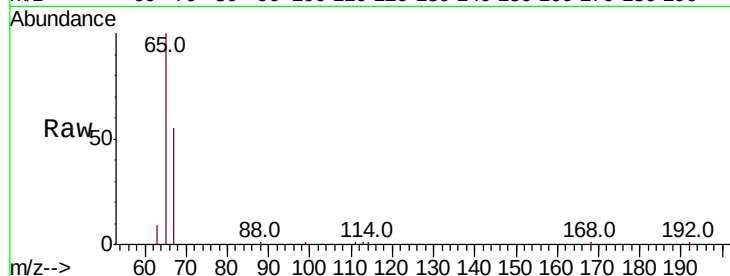
SP-19-LF2MW1

Tot Ion: 65 Resp: 31741

Ion Ratio Lower Upper

65 100

67 54.8 0.0 108.8



#4

1,4-Difluorobenzene

Concen: 5.000 ug/l

RT: 8.58 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VN056528.D

Acq: 27 Jun 2019 23:10

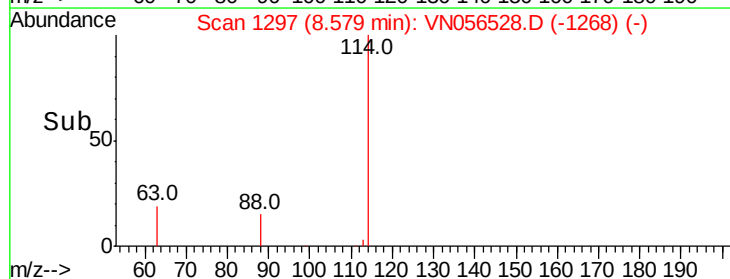
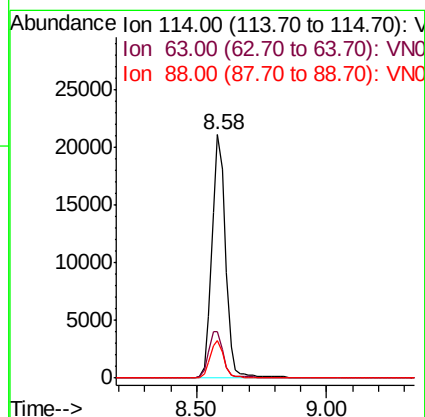
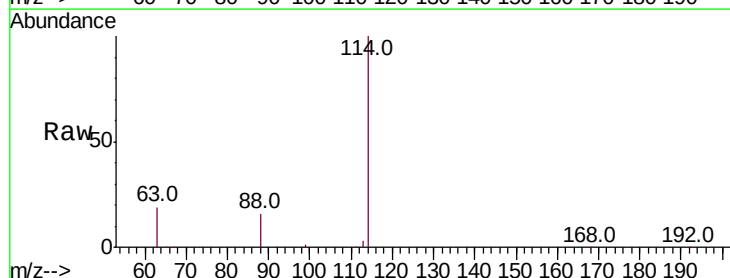
Tgt Ion: 114 Resp: 86669

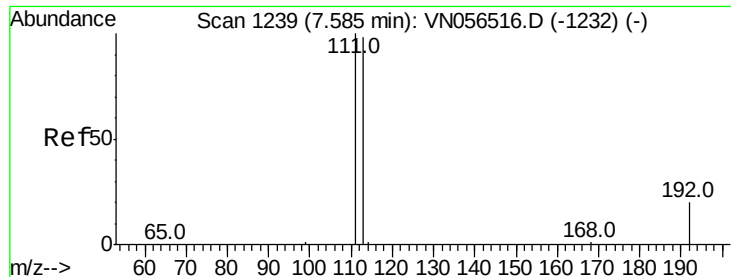
Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.6

88 15.6 0.0 31.2





#5

Dibromofluoromethane

Concen: 4.971 ug/l

RT: 7.59 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VN056528.D

Acq: 27 Jun 2019 23:10

Instrument :

MSVOA\_N

ClientSampleId :

SP-19-LF2MW1

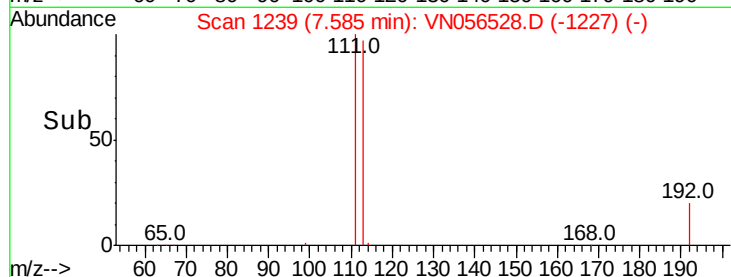
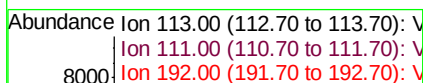
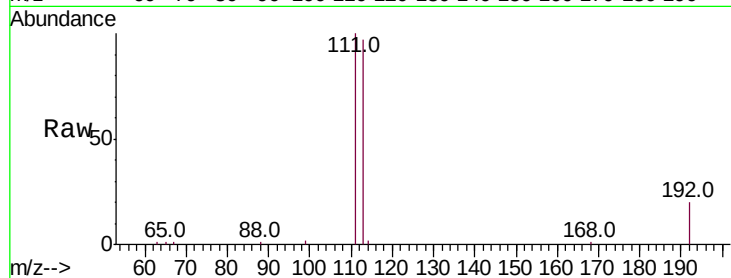
Tot Ion:113 Resp: 23750

Ion Ratio Lower Upper

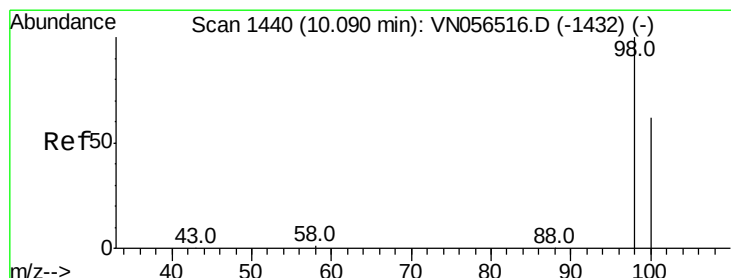
113 100

111 102.9 81.7 122.5

192 20.9 16.9 25.3



Time-->



#6

Toluene-d8

Concen: 4.918 ug/l

RT: 10.09 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VN056528.D

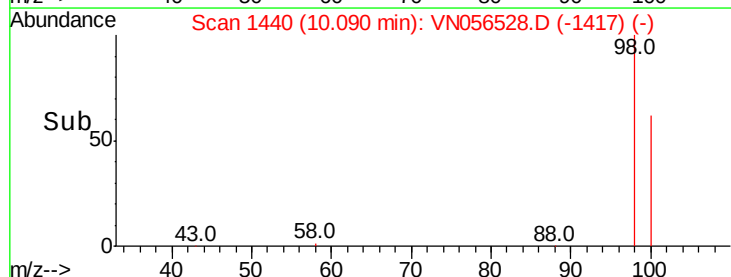
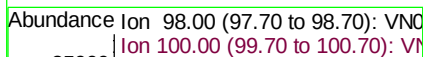
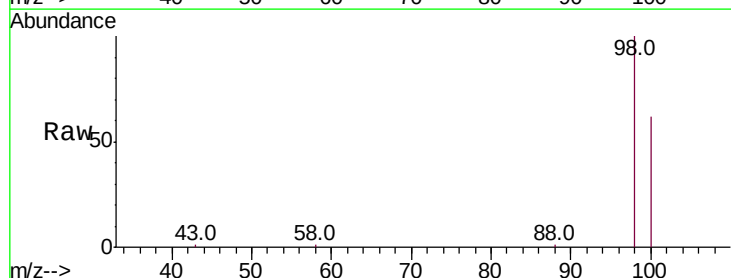
Acq: 27 Jun 2019 23:10

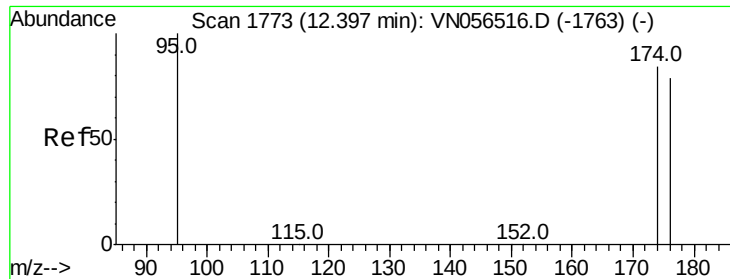
Tgt Ion: 98 Resp: 53164

Ion Ratio Lower Upper

98 100

100 62.2 49.7 74.5





#7

4-Bromofluorobenzene

Concen: 4.812 ug/l

RT: 12.40 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VN056528.D

Acq: 27 Jun 2019 23:10

Instrument :

MSVOA\_N

ClientSampleId :

SP-19-LF2MW1

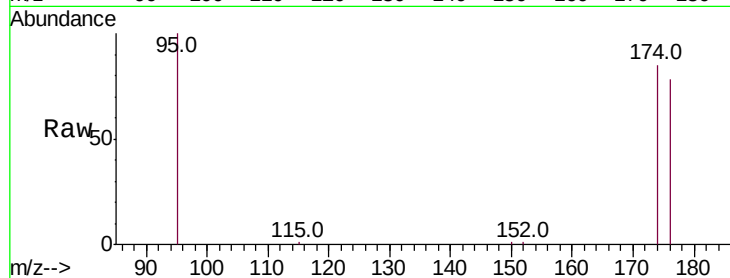
Tot Ion: 95 Resp: 13306

Ion Ratio Lower Upper

95 100

174 84.7 0.0 167.8

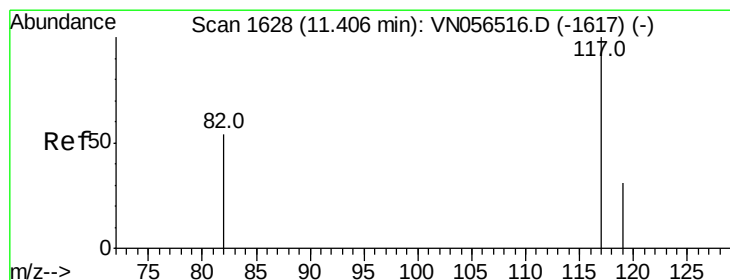
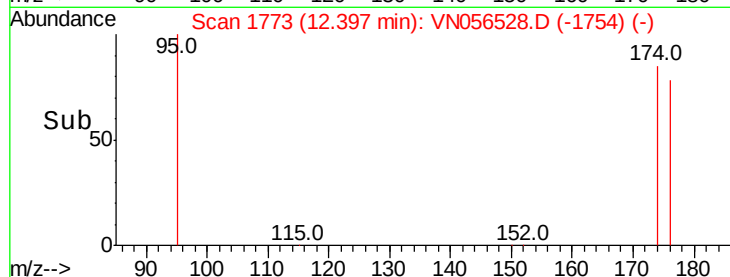
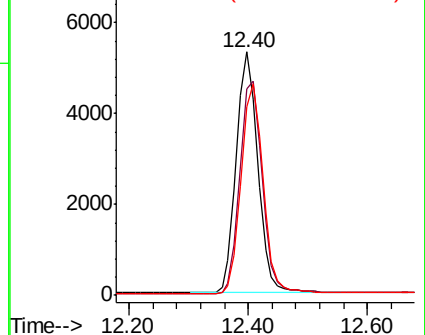
176 77.6 0.0 158.0



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: VN056528.D

Acq: 27 Jun 2019 23:10

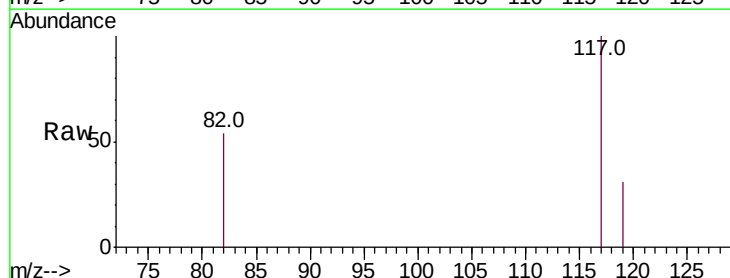
Tgt Ion: 117 Resp: 53577

Ion Ratio Lower Upper

117 100

82 53.8 43.0 64.4

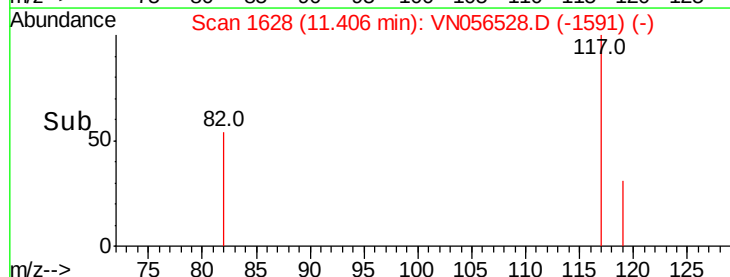
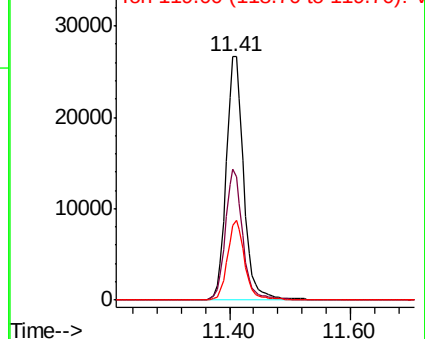
119 30.8 24.7 37.1

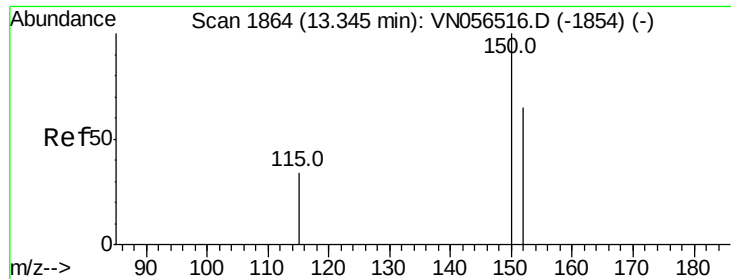


Abundance Ion 117.00 (116.70 to 117.70): VN056516.D (-1617) (-)

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

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

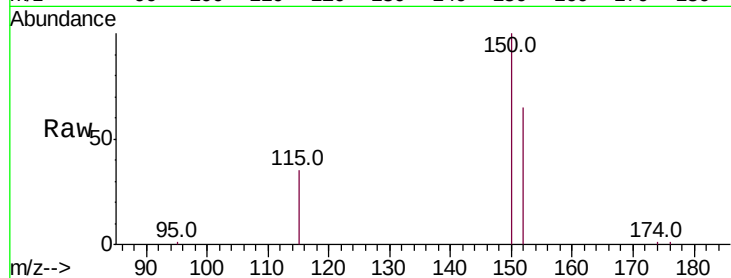




#9  
 1,4-Dichlorobenzene-d4  
 Concen: 5.000 ug/l  
 RT: 13.35 min Scan# 1864  
 Delta R.T. 0.00 min  
 Lab File: VN056528.D  
 Acq: 27 Jun 2019 23:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SP-19-LF2MW1

Tot Ion:152 Resp: 7912  
 Ion Ratio Lower Upper  
 152 100  
 115 54.6 27.0 80.8  
 150 154.6 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

