

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062819\
 Data File : VN056548.D
 Acq On : 28 Jun 2019 12:31
 Operator : JC/SP
 Sample : 0.05ppb LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 0.05ppb LOD

Quant Time: Jun 28 23:31:04 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	49647	5.00	ug/l	0.00
4) 1,4-Difluorobenzene	8.58	114	84598	5.00	ug/l	0.00
8) Chlorobenzene-d5	11.41	117	50735	5.00	ug/l	0.00
9) 1,4-Dichlorobenzene-d4	13.35	152	7145	5.00	ug/l	0.00

System Monitoring Compounds						
3) 1,2-Dichloroethane-d4	8.01	65	30481	5.01	ug/l	0.00
Spiked Amount	5.000	Range	81 - 118	Recovery	=	100.20%
5) Dibromofluoromethane	7.59	113	22778	4.88	ug/l	0.00
Spiked Amount	5.000	Range	80 - 119	Recovery	=	97.60%
6) Toluene-d8	10.09	98	49928	4.73	ug/l	0.00
Spiked Amount	5.000	Range	89 - 112	Recovery	=	94.60%
7) 4-Bromofluorobenzene	12.40	95	12431	4.61	ug/l	0.00
Spiked Amount	5.000	Range	85 - 114	Recovery	=	92.20%

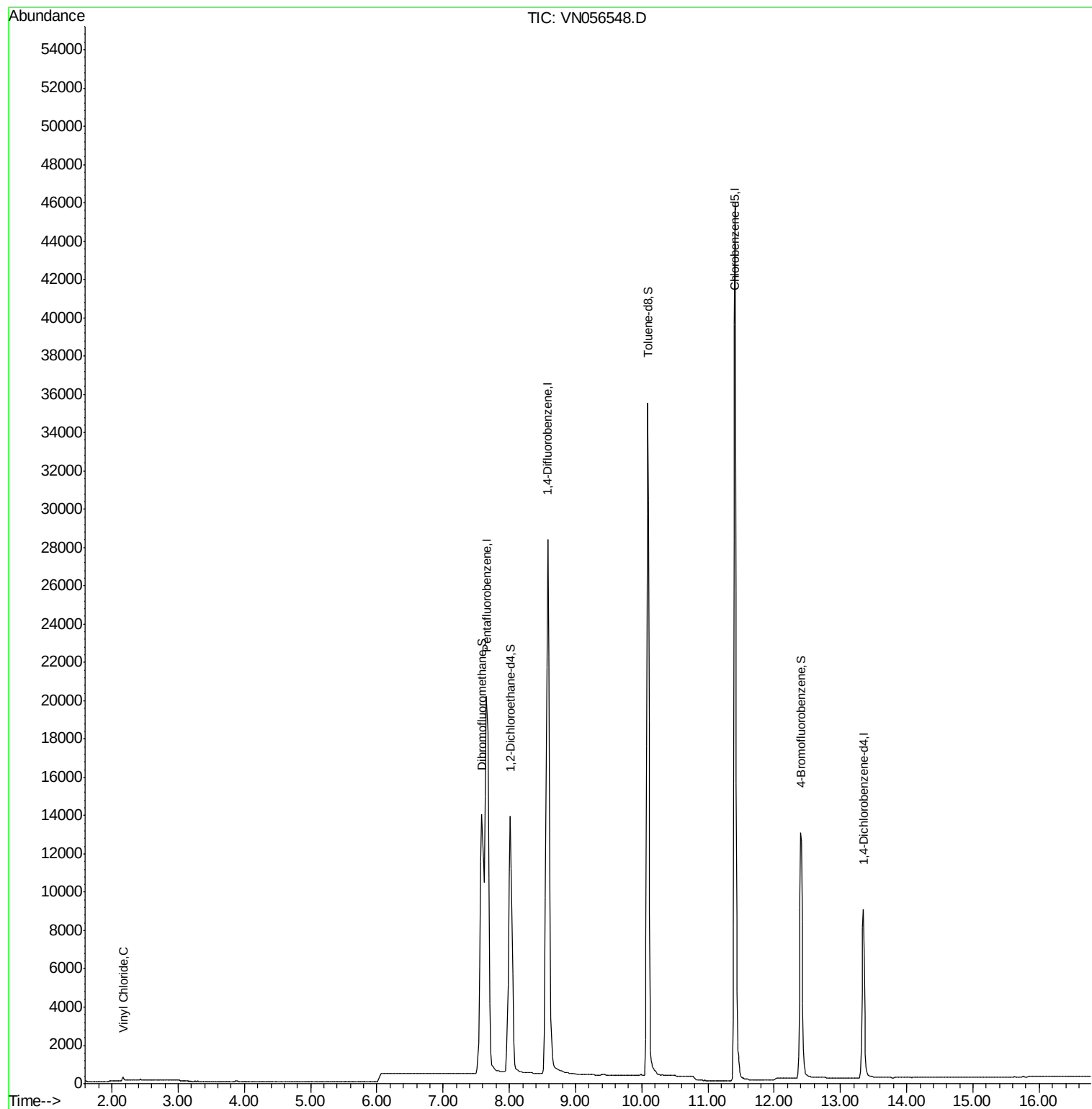
Target Compounds					Qvalue
2) Vinyl Chloride	2.17	62	282	0.057 ug/l #	36

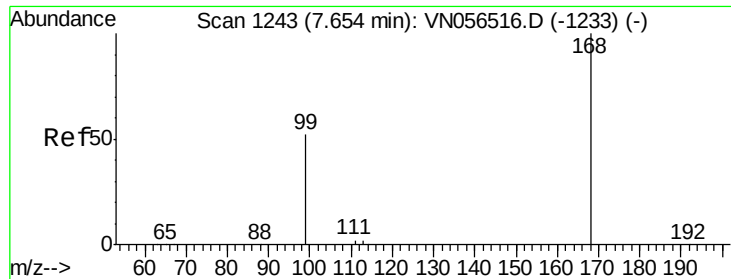
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 5.000 ug/l

RT: 7.65 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VN056548.D

Acq: 28 Jun 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

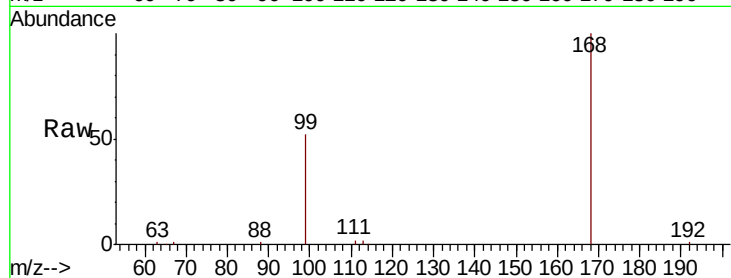
0.05ppb LOD

Tot Ion:168 Resp: 49647

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) (-)

7.65

15000

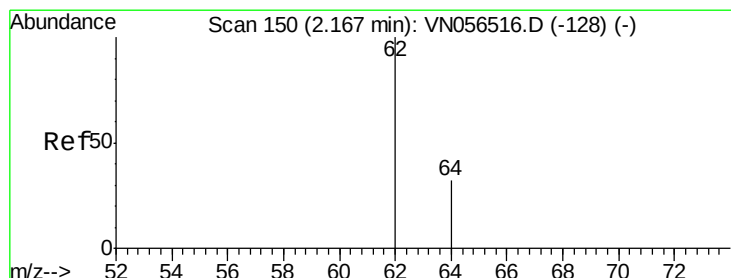
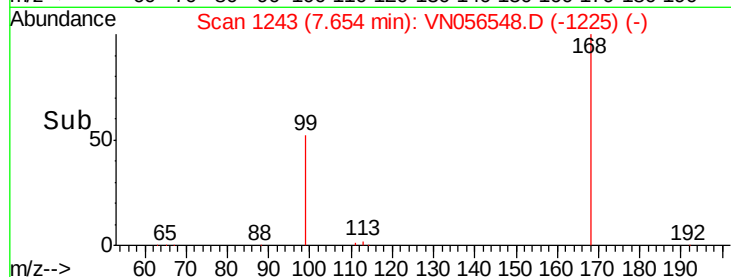
10000

5000

0

Time-->

7.40 7.60 7.80 8.00



#2

Vinyl Chloride

Concen: 0.057 ug/l

RT: 2.17 min Scan# 150

Delta R.T. 0.00 min

Lab File: VN056548.D

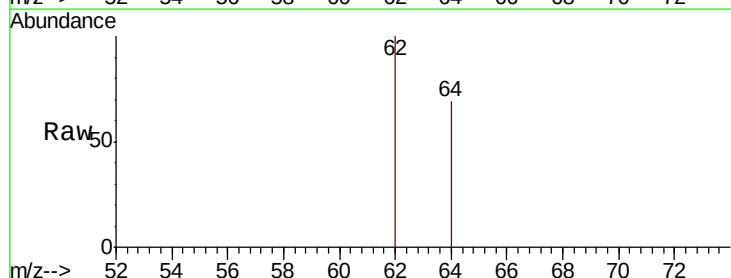
Acq: 28 Jun 2019 12:31

Tgt Ion: 62 Resp: 282

Ion Ratio Lower Upper

62 100

64 68.5 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) (-)

2.17

200

150

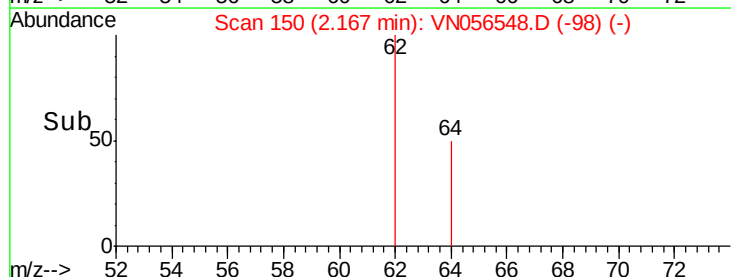
100

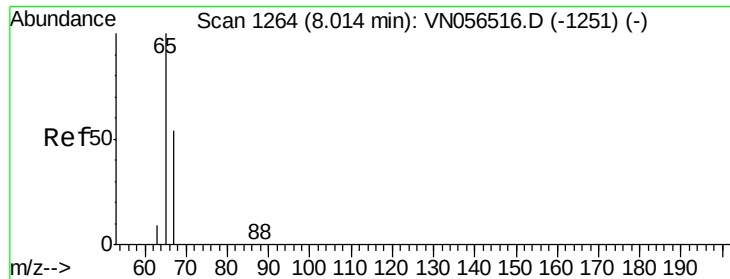
50

0

Time-->

2.10 2.20





#3

1,2-Dichloroethane-d4

Concen: 5.012 ug/l

RT: 8.01 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN056548.D

Acq: 28 Jun 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

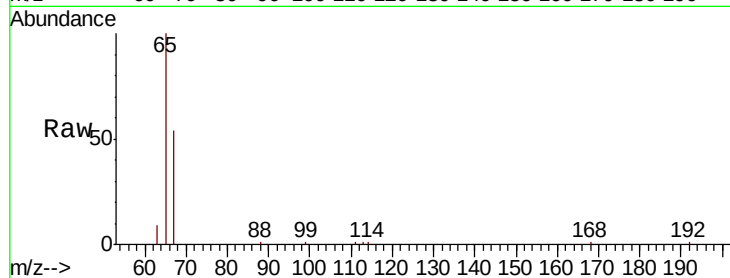
0.05ppb LOD

Tot Ion: 65 Resp: 30481

Ion Ratio Lower Upper

65 100

67 54.2 0.0 108.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.01

8000

6000

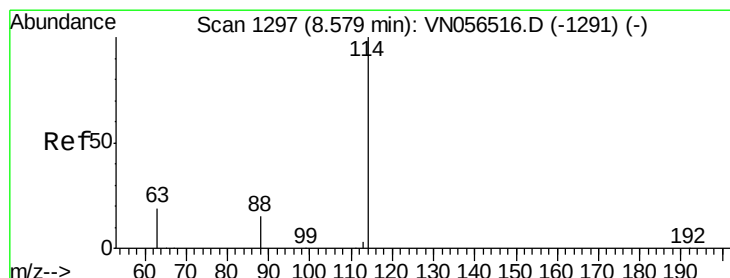
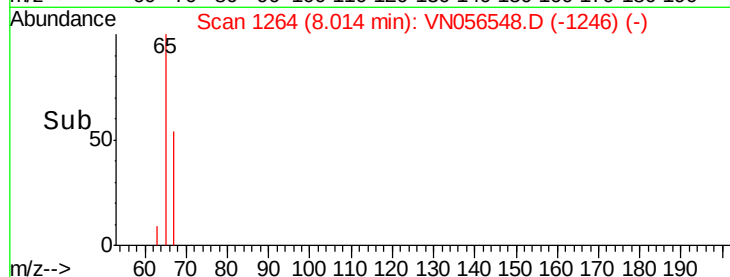
4000

2000

0

Time-->

7.80 8.00 8.20



#4

1,4-Difluorobenzene

Concen: 5.000 ug/l

RT: 8.58 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VN056548.D

Acq: 28 Jun 2019 12:31

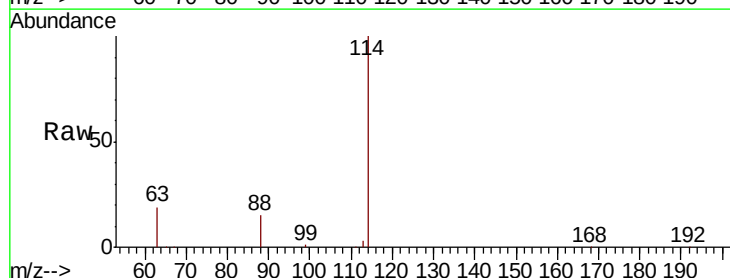
Tgt Ion: 114 Resp: 84598

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.6

88 15.2 0.0 31.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

25000

20000

15000

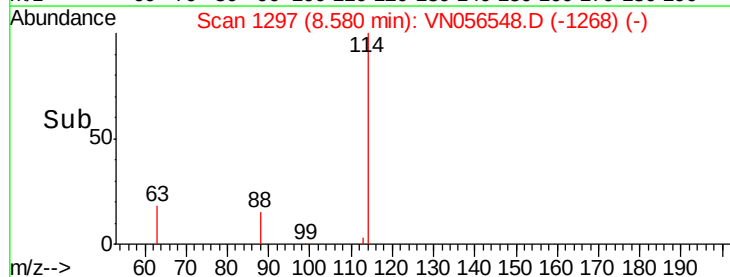
10000

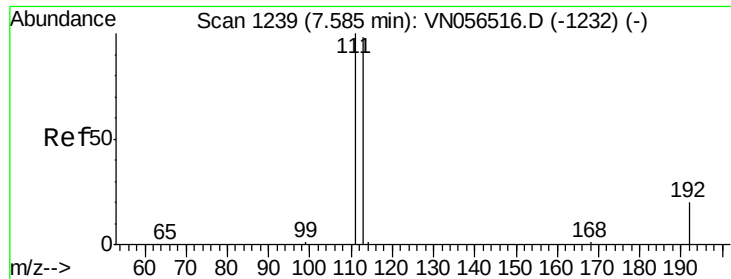
5000

0

Time-->

8.50 9.00





#5

Dibromofluoromethane

Concen: 4.884 ug/l

RT: 7.59 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VN056548.D

Acq: 28 Jun 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

0.05ppb LOD

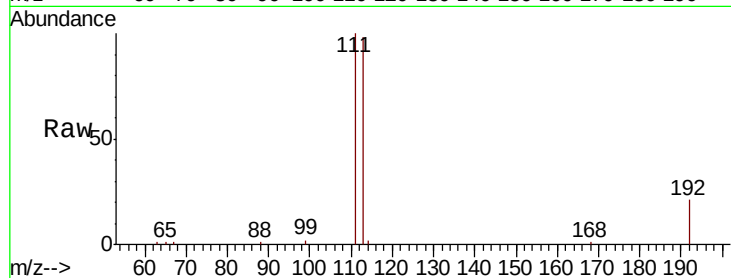
Tot Ion:113 Resp: 22778

Ion Ratio Lower Upper

113 100

111 102.2 81.7 122.5

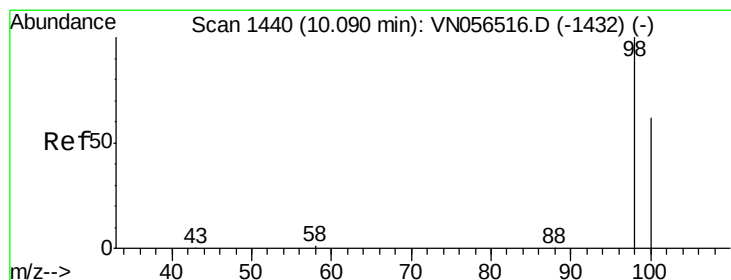
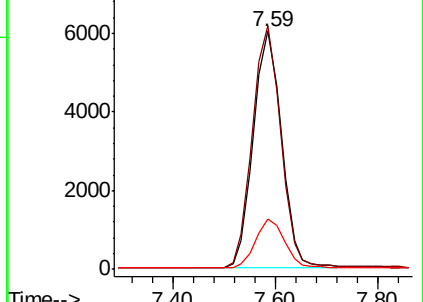
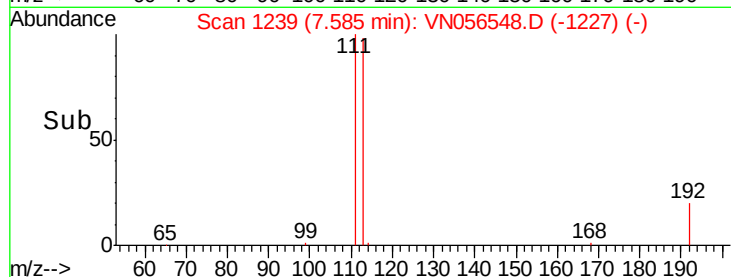
192 21.0 16.9 25.3



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: 4.731 ug/l

RT: 10.09 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VN056548.D

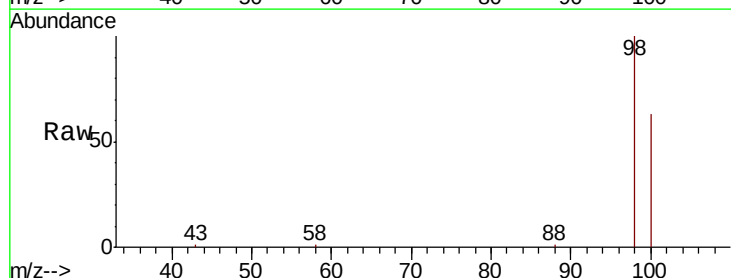
Acq: 28 Jun 2019 12:31

Tgt Ion: 98 Resp: 49928

Ion Ratio Lower Upper

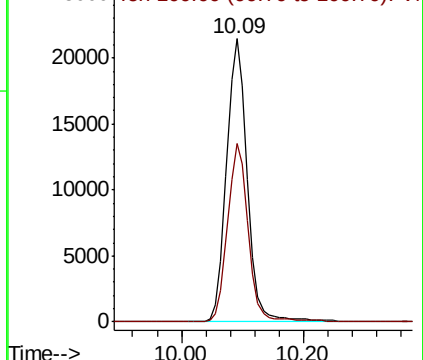
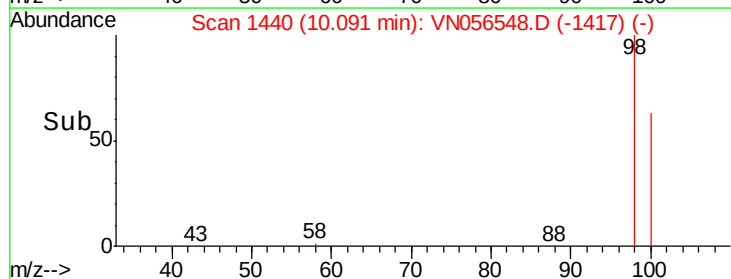
98 100

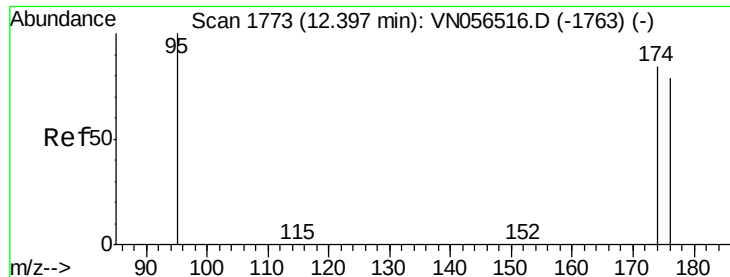
100 62.9 49.7 74.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#7

4-Bromofluorobenzene

Concen: 4.605 ug/l

RT: 12.40 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VN056548.D

Acq: 28 Jun 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

0.05ppb LOD

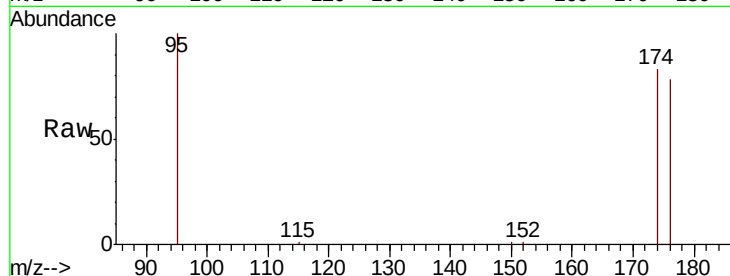
Tot Ion: 95 Resp: 12431

Ion Ratio Lower Upper

95 100

174 83.3 0.0 167.8

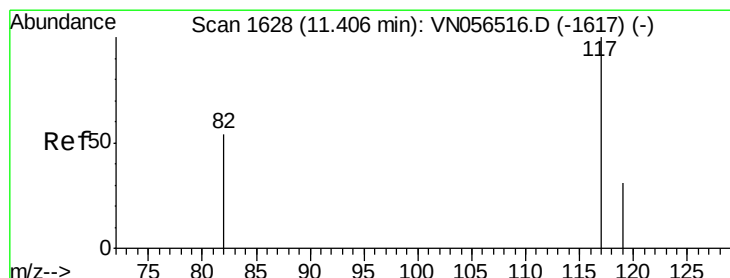
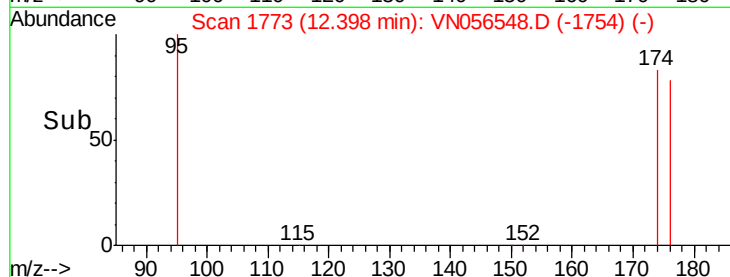
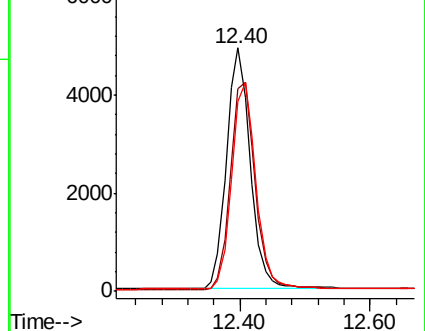
176 77.7 0.0 158.0



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: VN056548.D

Acq: 28 Jun 2019 12:31

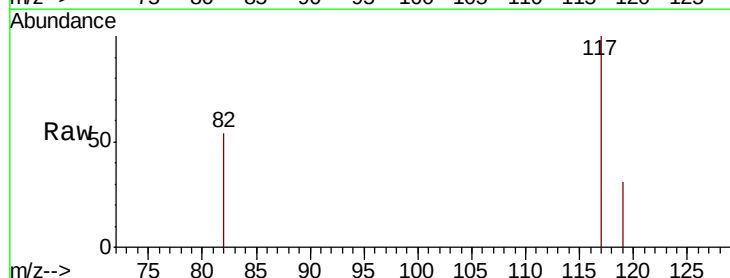
Tgt Ion: 117 Resp: 50735

Ion Ratio Lower Upper

117 100

82 53.5 43.0 64.4

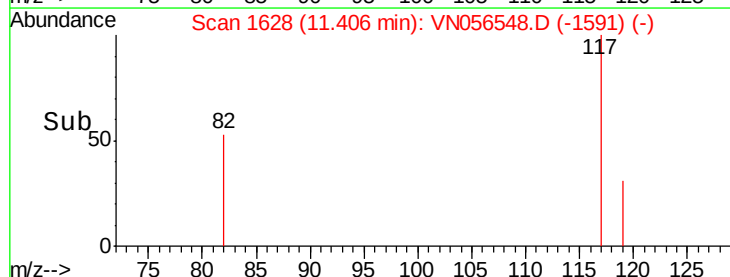
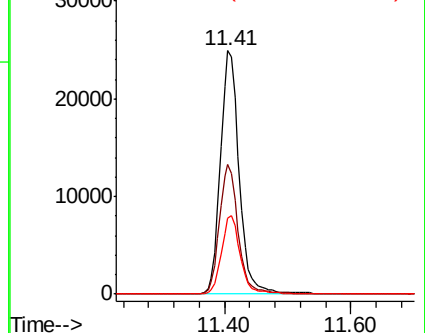
119 30.9 24.7 37.1

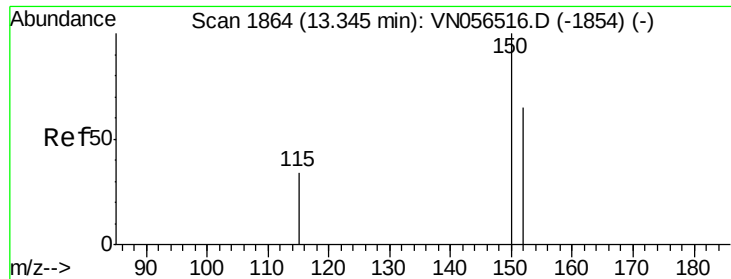


Abundance Ion 117.00 (116.70 to 117.70): VN056516.D (-1617) (-)

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: VN056548.D

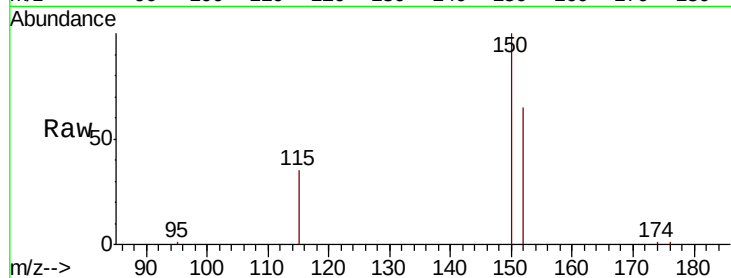
Acq: 28 Jun 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

0.05ppb LOD



Tot Ion:152 Resp: 7145

Ion Ratio Lower Upper

152 100

115 54.7 27.0 80.8

150 154.7 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

