

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%

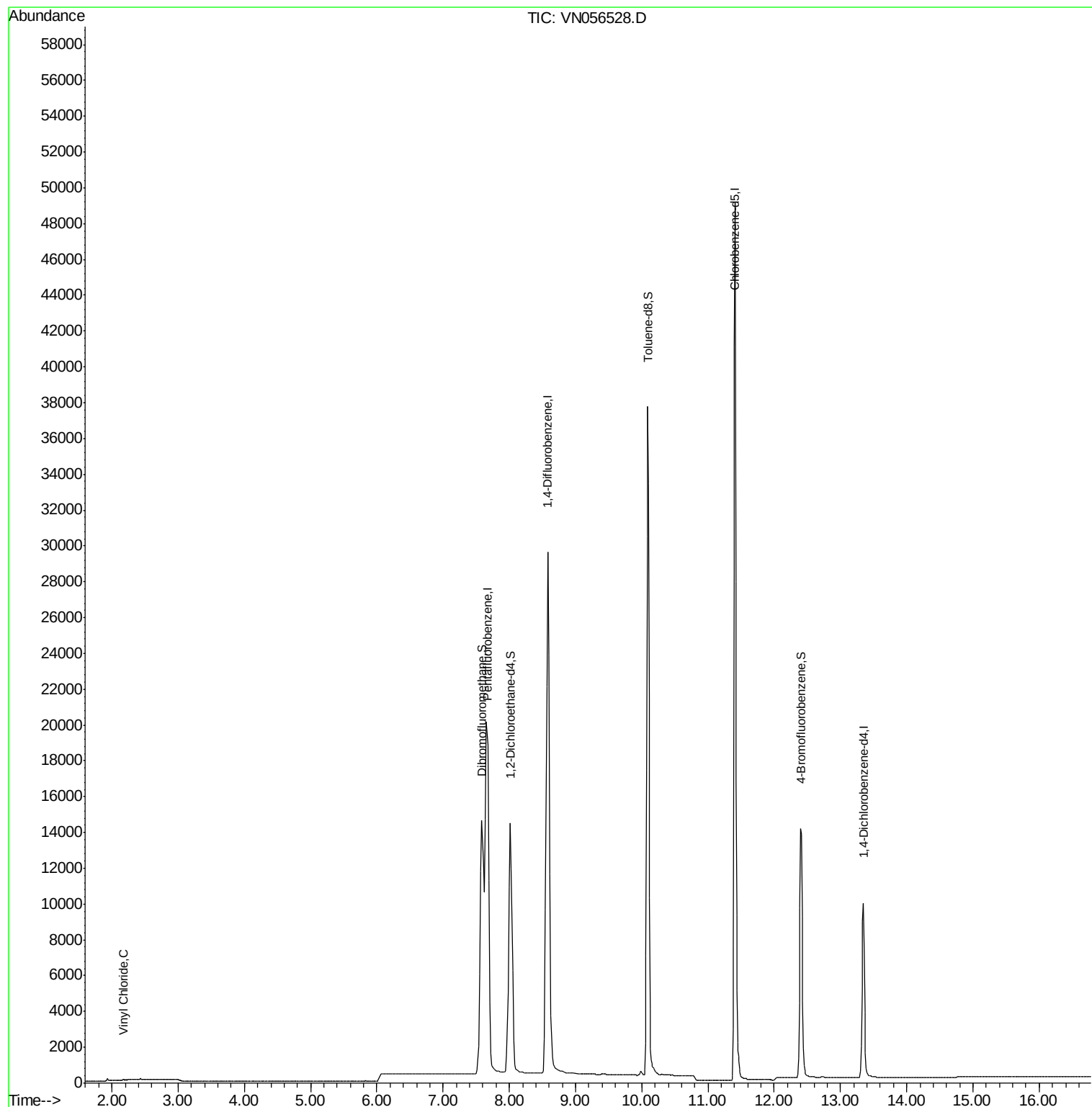
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Vinyl Chloride	2.17	62	25	0.005	ug/l #	1

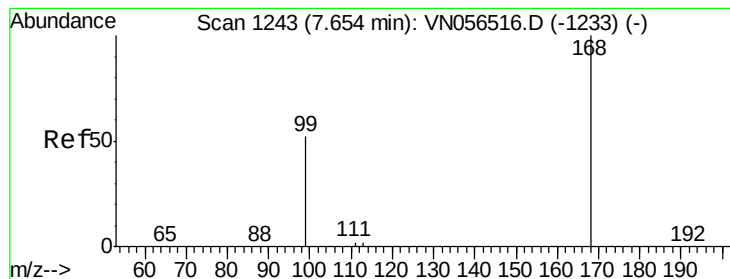
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

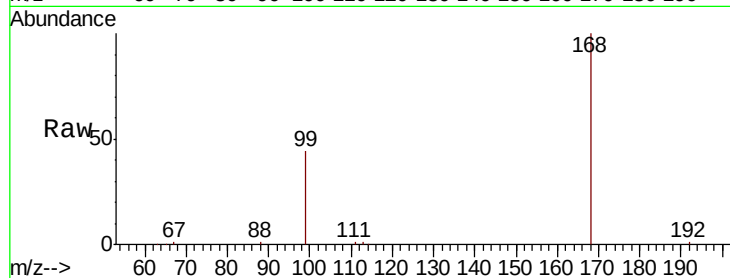
SP-19-LF2MW1

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

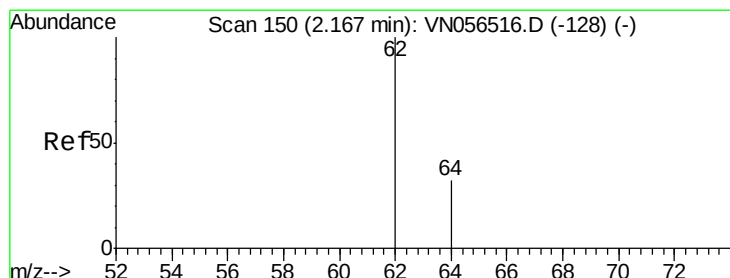
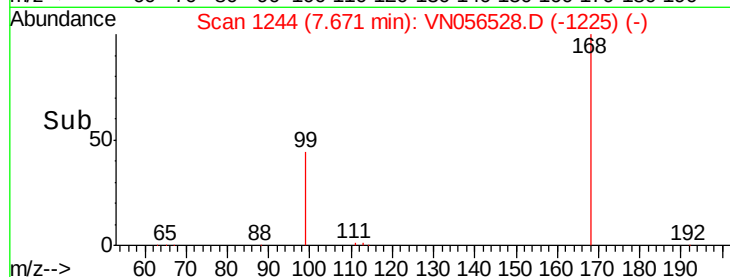
10000

5000

0

7.40 7.60 7.80 8.00

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

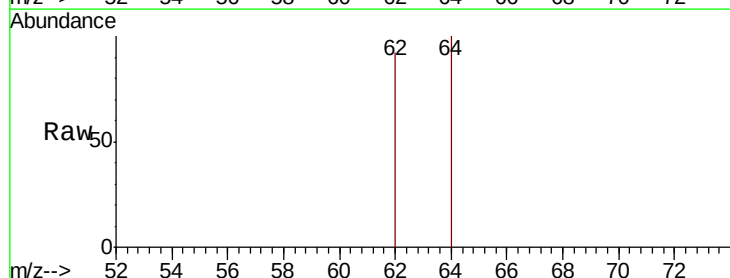
Acq: 27 Jun 2019 23:10

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

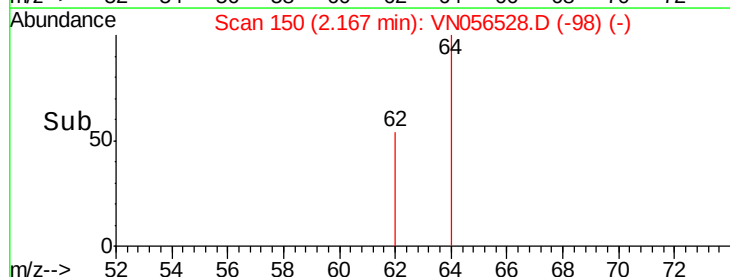
40

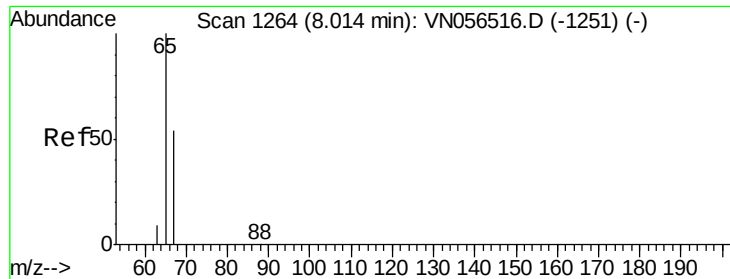
20

0

2.12 2.14 2.16 2.18 2.20

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 :

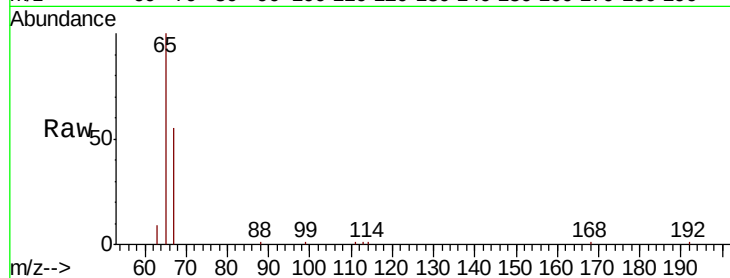
SP-19-LF2MW1

Tot Ion: 65 Resp: 31741

Ion Ratio Lower Upper

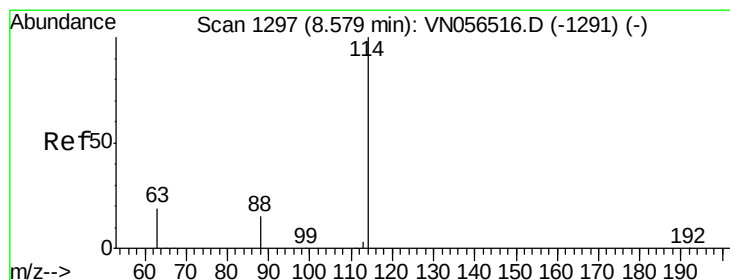
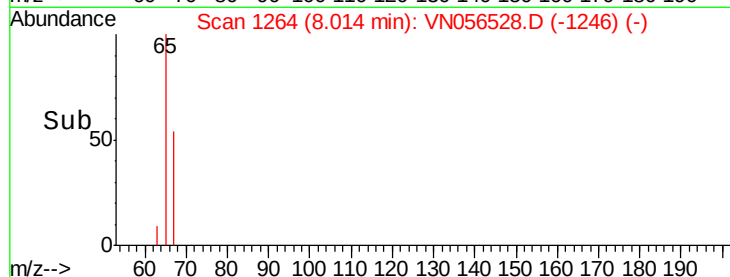
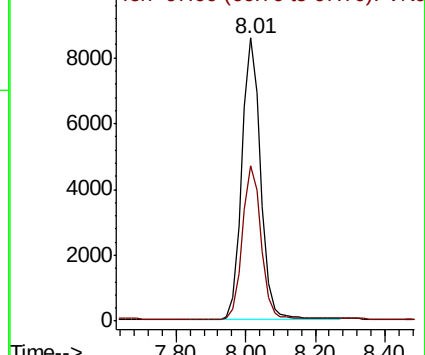
65 100

67 54.8 0.0 108.8



Abundance Ion 65.00 (64.70 to 65.70): VN056528.D (-1246) (-)

Ion 67.00 (66.70 to 67.70): VN056528.D (-1246) (-)



#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

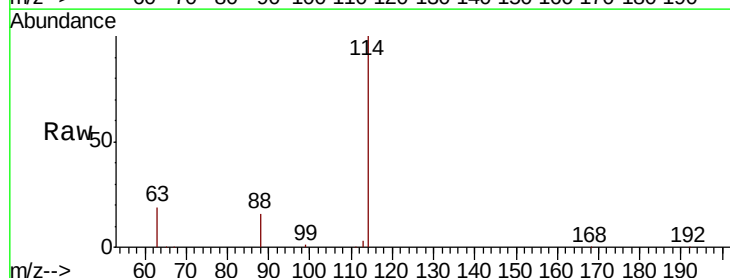
Tgt Ion: 114 Resp: 86669

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.6

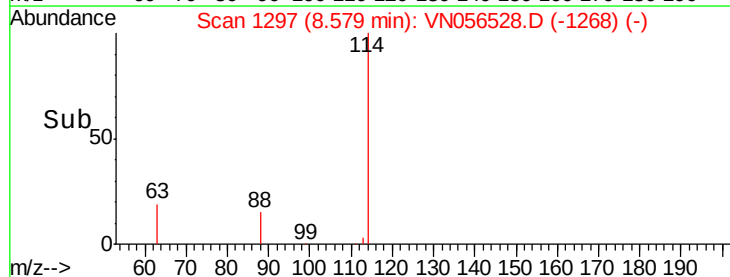
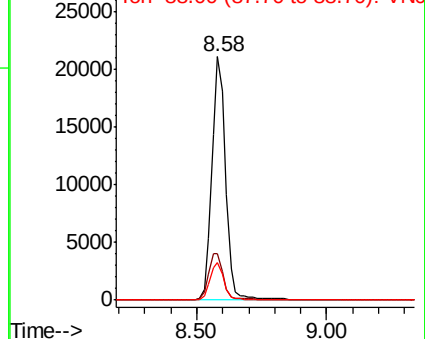
88 15.6 0.0 31.2

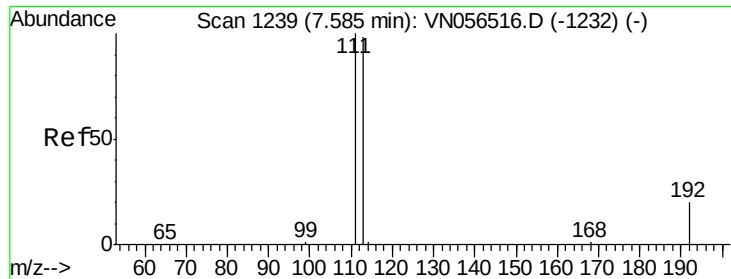


Abundance Ion 114.00 (113.70 to 114.70): VN056528.D (-1268) (-)

Ion 63.00 (62.70 to 63.70): VN056528.D (-1268) (-)

Ion 88.00 (87.70 to 88.70): VN056528.D (-1268) (-)





#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

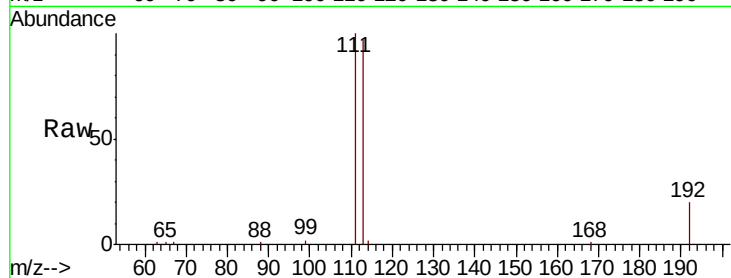
Tot Ion:113 Resp: 23750

Ion Ratio Lower Upper

113 100

111 102.9 81.7 122.5

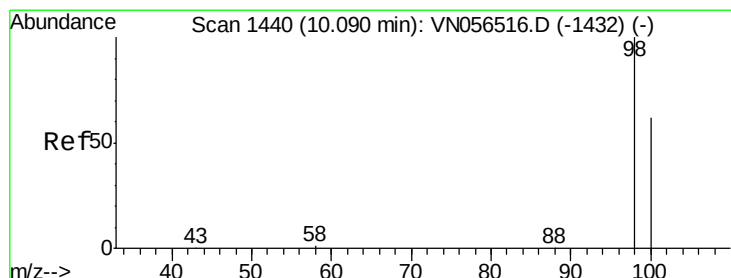
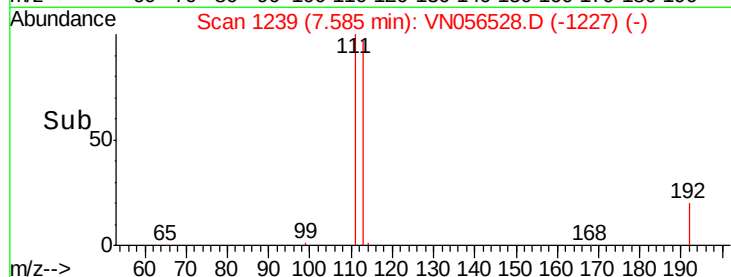
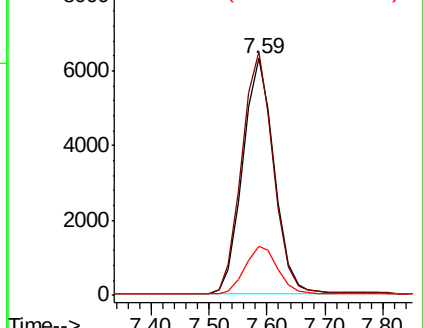
192 20.9 16.9 25.3



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: 4.918 ug/l

RT: 10.09 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VN056528.D

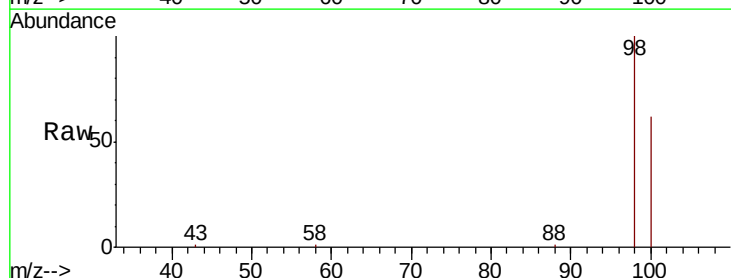
Acq: 27 Jun 2019 23:10

Tgt Ion: 98 Resp: 53164

Ion Ratio Lower Upper

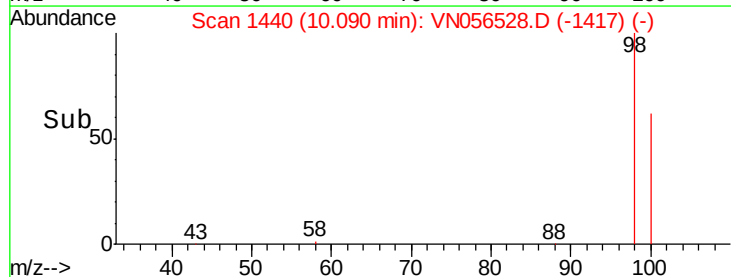
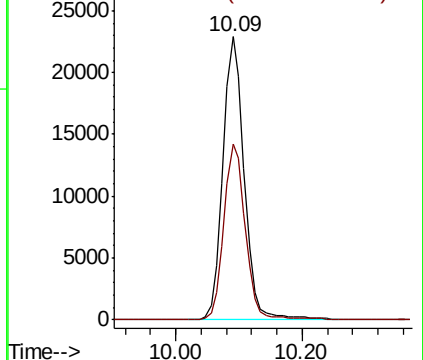
98 100

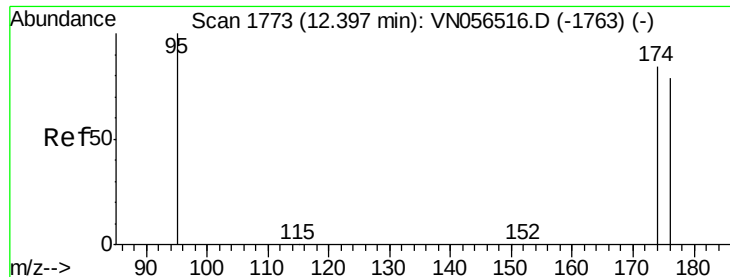
100 62.2 49.7 74.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#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

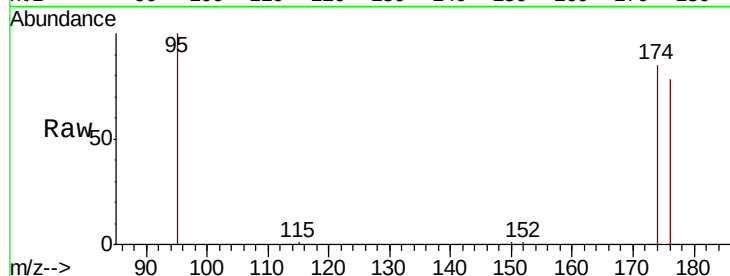
Tot Ion: 95 Resp: 13306

Ion Ratio Lower Upper

95 100

174 84.7 0.0 167.8

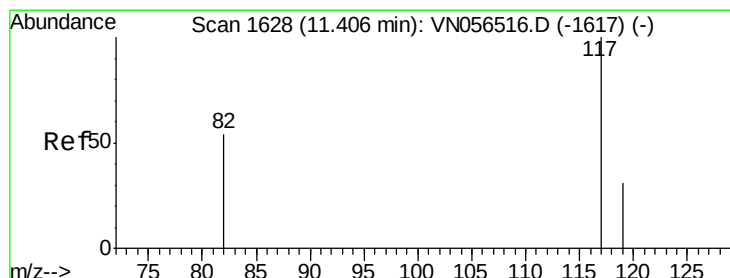
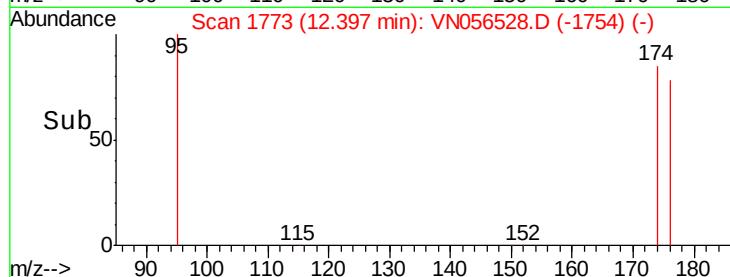
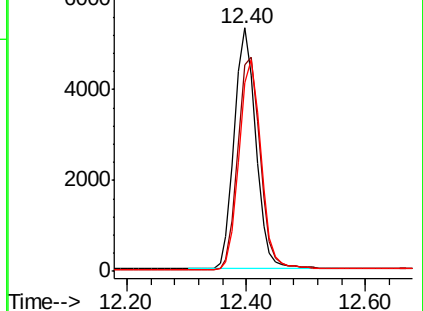
176 77.6 0.0 158.0



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

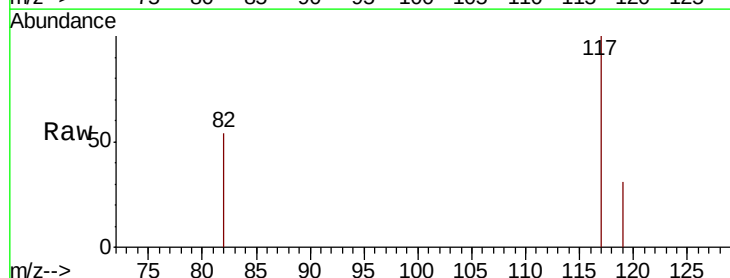
Tgt Ion: 117 Resp: 53577

Ion Ratio Lower Upper

117 100

82 53.8 43.0 64.4

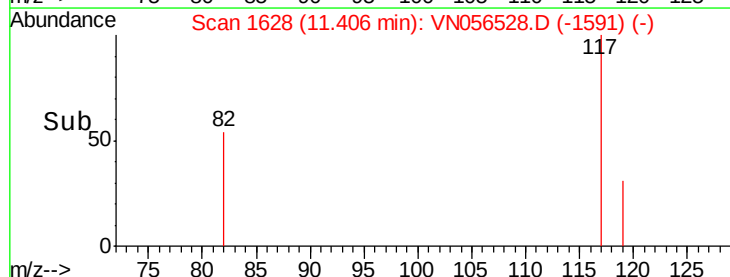
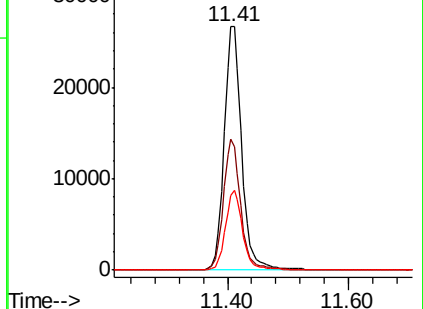
119 30.8 24.7 37.1

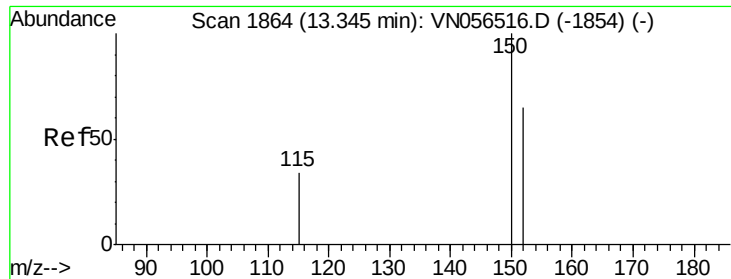


Abundance Ion 117.00 (116.70 to 117.70): VN056516.D (-1617) (-)

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

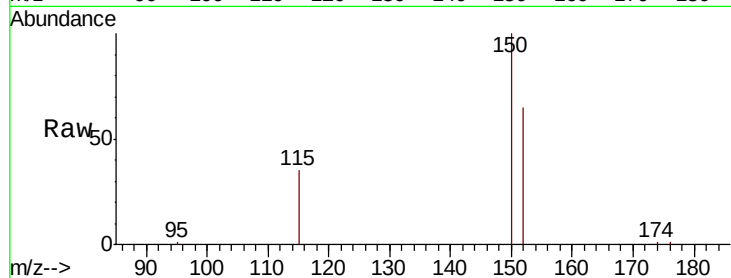
Acq: 27 Jun 2019 23:10

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

