

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062819\
 Data File : VN056542.D
 Acq On : 28 Jun 2019 9:47
 Operator : JC/SP
 Sample : 0.05ppb LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 28 23:30:24 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	7.66	168	55082	5.00	ug/l	0.00
4) 1,4-Difluorobenzene	8.59	114	77403	5.00	ug/l	0.00
8) Chlorobenzene-d5	11.41	117	50351	5.00	ug/l	0.00
9) 1,4-Dichlorobenzene-d4	13.34	152	6085	5.00	ug/l	0.00

System Monitoring Compounds						
3) 1,2-Dichloroethane-d4	8.01	65	32476	4.81	ug/l	0.00
Spiked Amount	5.000	Range	81 - 118	Recovery	=	96.20%
5) Dibromofluoromethane	7.58	113	25257	5.92	ug/l	0.00
Spiked Amount	5.000	Range	80 - 119	Recovery	=	118.40%
6) Toluene-d8	10.09	98	53068	5.50	ug/l	0.00
Spiked Amount	5.000	Range	89 - 112	Recovery	=	110.00%
7) 4-Bromofluorobenzene	12.39	95	11090	4.49	ug/l	0.00
Spiked Amount	5.000	Range	85 - 114	Recovery	=	89.80%

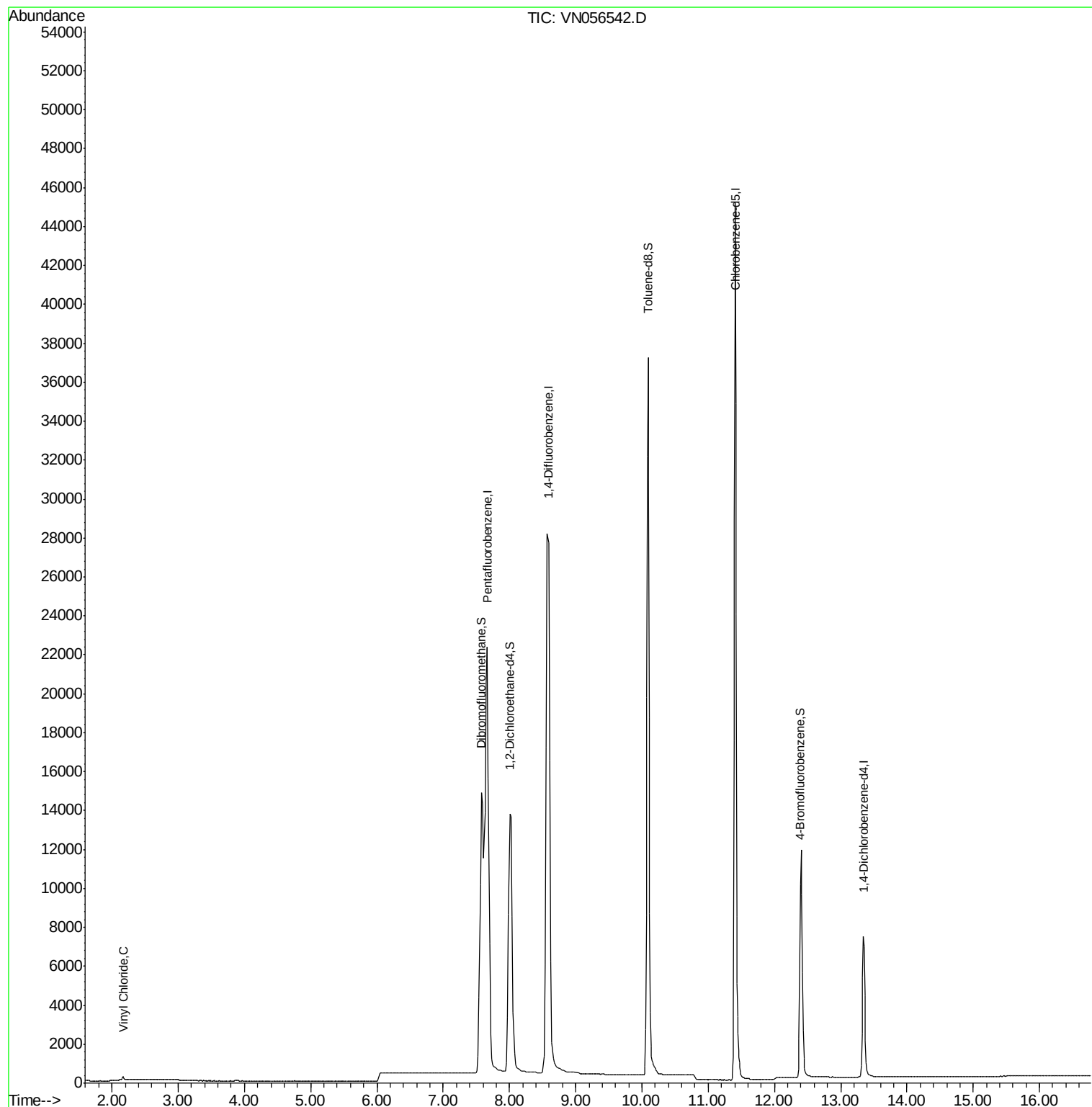
Target Compounds					Qvalue
2) Vinyl Chloride	2.17	62	191	0.035 ug/l #	39

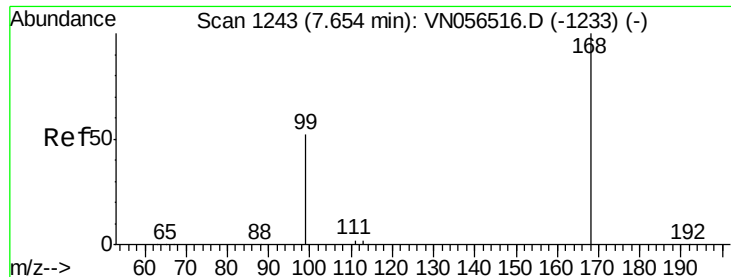
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 5.000 ug/l

RT: 7.66 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VN056542.D

Acq: 28 Jun 2019 9:47

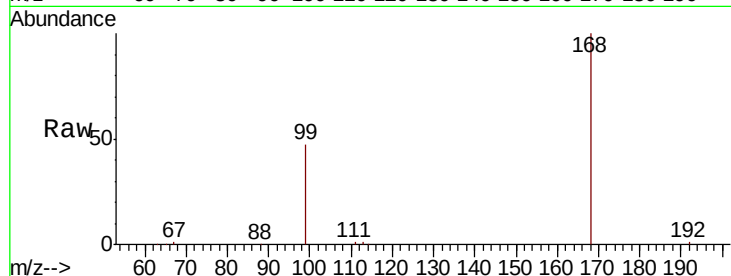
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 55082

Ion Ratio Lower Upper

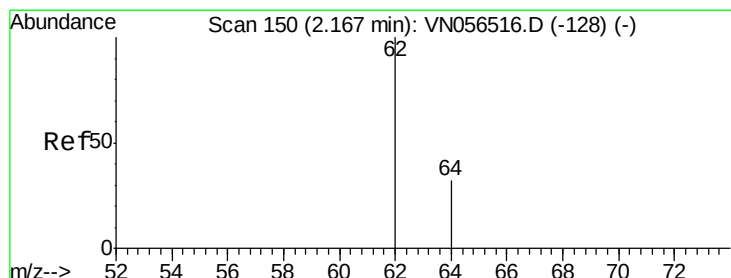
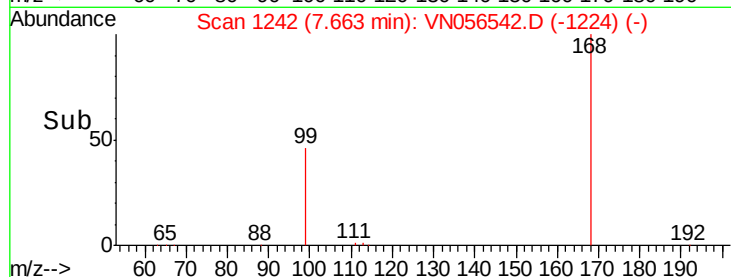
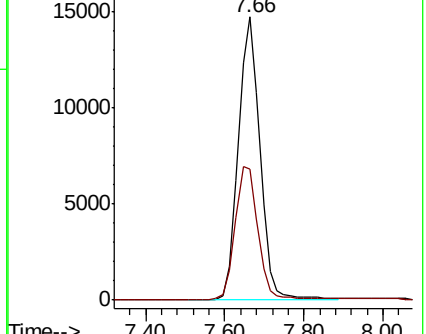
168 100

99 46.5 41.9 62.9



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VN



#2

Vinyl Chloride

Concen: 0.035 ug/l

RT: 2.17 min Scan# 150

Delta R.T. 0.00 min

Lab File: VN056542.D

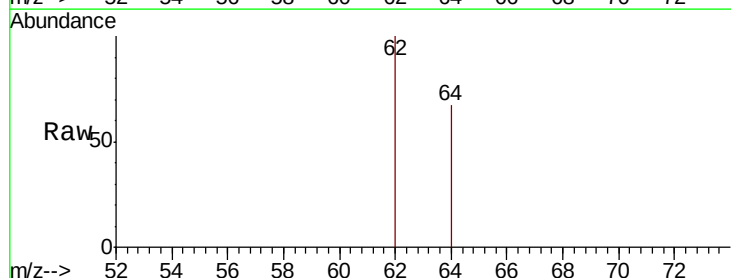
Acq: 28 Jun 2019 9:47

Tgt Ion: 62 Resp: 191

Ion Ratio Lower Upper

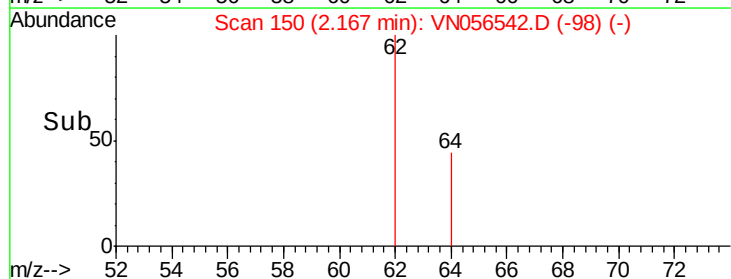
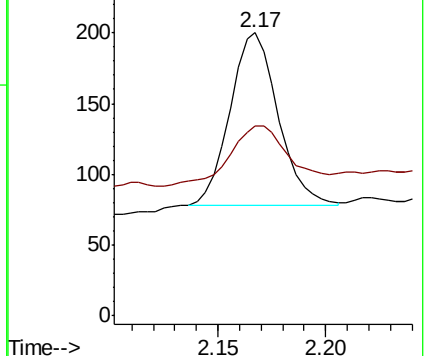
62 100

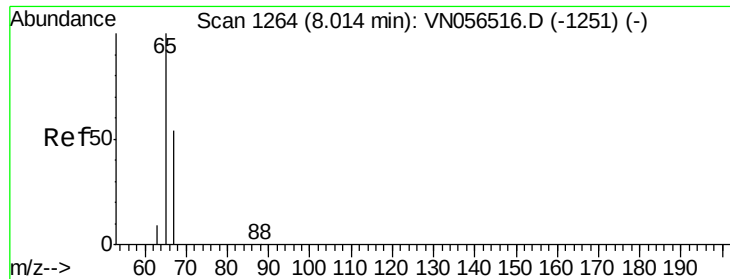
64 67.0 26.1 39.1#



Abundance Ion 62.00 (61.70 to 62.70): VN

Ion 64.00 (63.70 to 64.70): VN





#3

1,2-Dichloroethane-d4

Concen: 4.813 ug/l

RT: 8.01 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VN056542.D

Acq: 28 Jun 2019 9:47

Instrument :

MSVOA_N

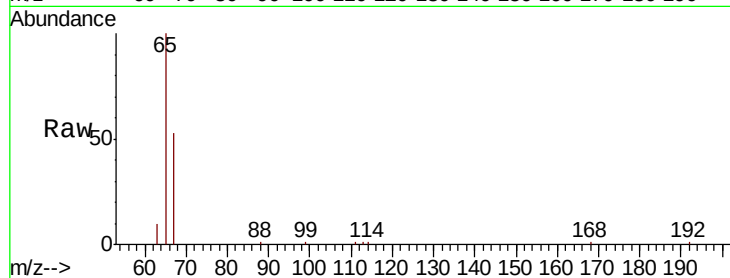
ClientSampleId :

Tot Ion: 65 Resp: 32476

Ion Ratio Lower Upper

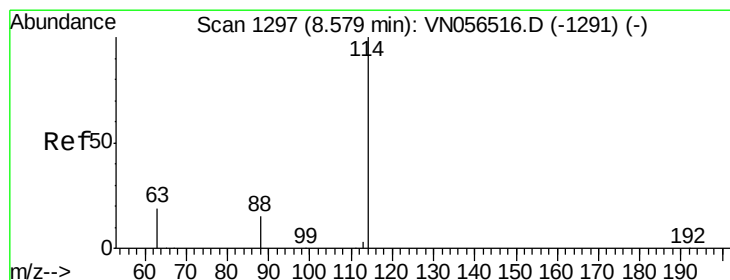
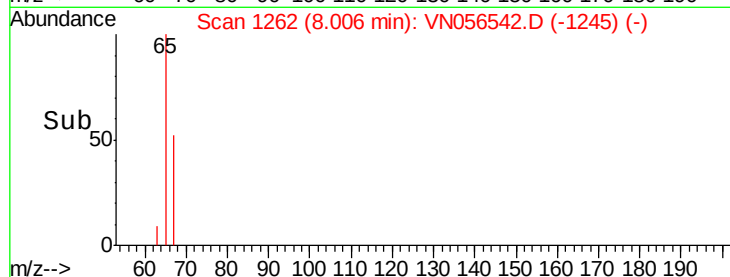
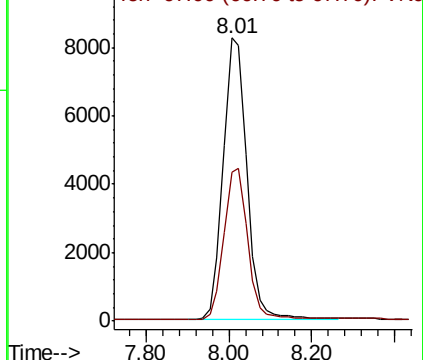
65 100

67 52.7 0.0 108.8



Abundance Ion 65.00 (64.70 to 65.70): VN056516.D (-1251) (-)

Ion 67.00 (66.70 to 67.70): VN056516.D (-1251) (-)



#4

1,4-Difluorobenzene

Concen: 5.000 ug/l

RT: 8.59 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VN056542.D

Acq: 28 Jun 2019 9:47

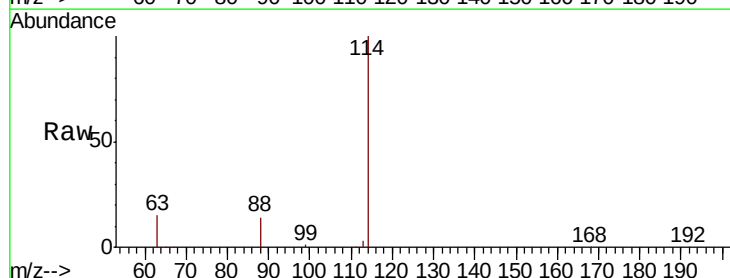
Tgt Ion: 114 Resp: 77403

Ion Ratio Lower Upper

114 100

63 15.4 0.0 37.6

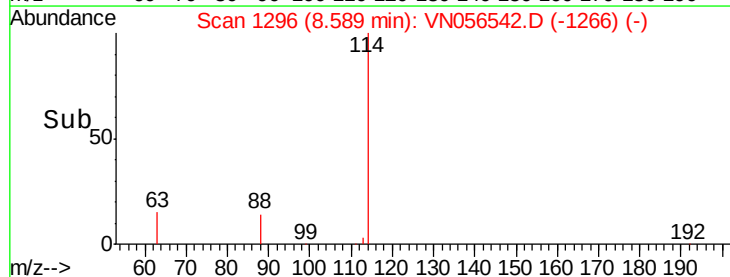
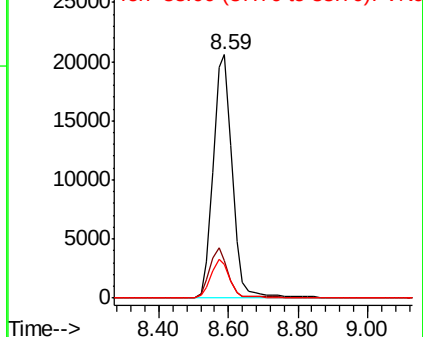
88 13.8 0.0 31.2

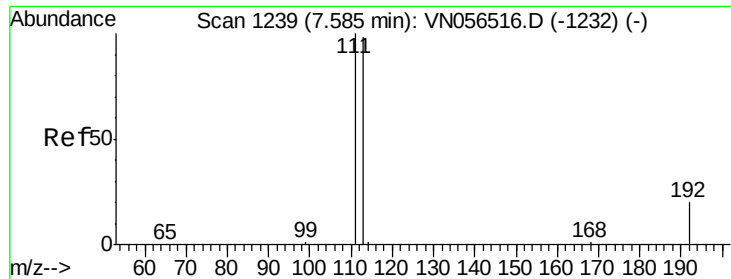


Abundance Ion 114.00 (113.70 to 114.70): VN056516.D (-1291) (-)

Ion 63.00 (62.70 to 63.70): VN056516.D (-1291) (-)

Ion 88.00 (87.70 to 88.70): VN056516.D (-1291) (-)





#5

Dibromofluoromethane

Concen: 5.919 ug/l

RT: 7.58 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VN056542.D

Acq: 28 Jun 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

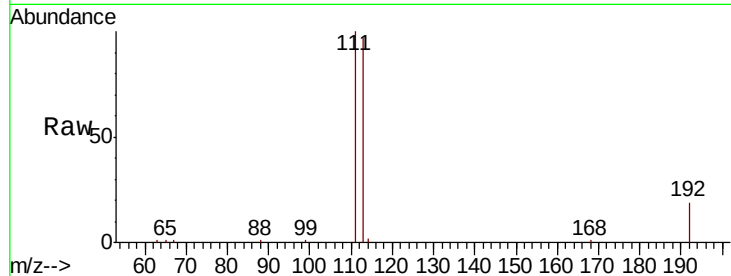
Tot Ion: 113 Resp: 25257

Ion Ratio Lower Upper

113 100

111 103.4 81.7 122.5

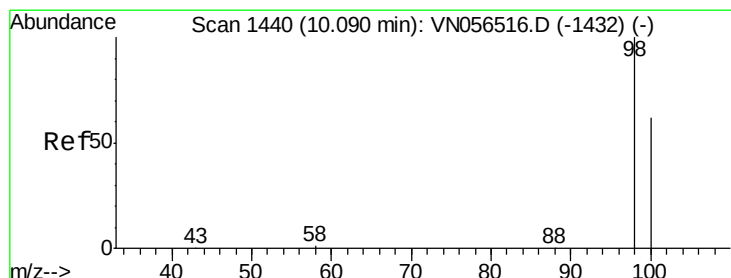
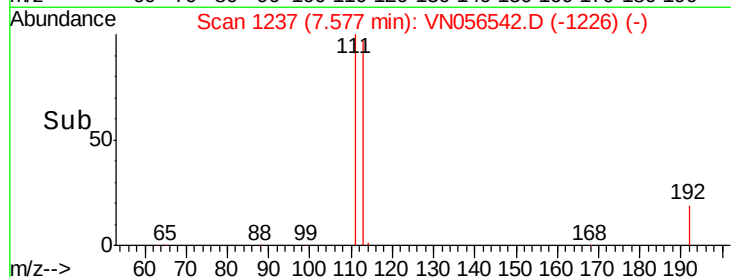
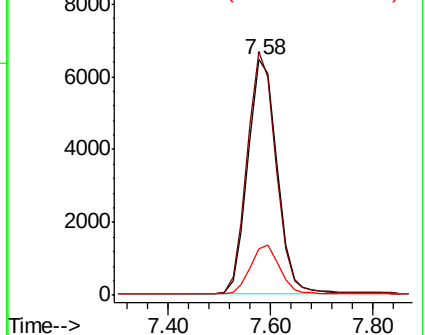
192 19.8 16.9 25.3



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: 5.496 ug/l

RT: 10.09 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VN056542.D

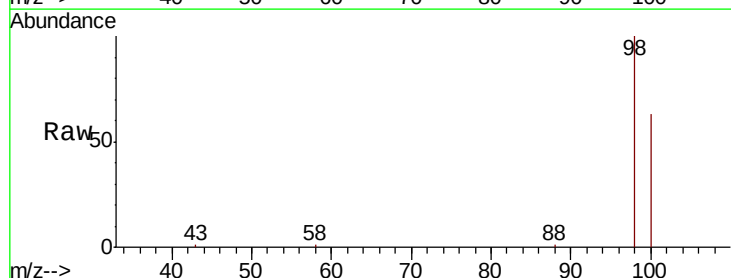
Acq: 28 Jun 2019 9:47

Tgt Ion: 98 Resp: 53068

Ion Ratio Lower Upper

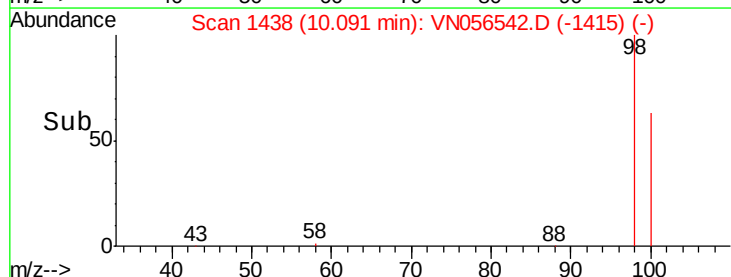
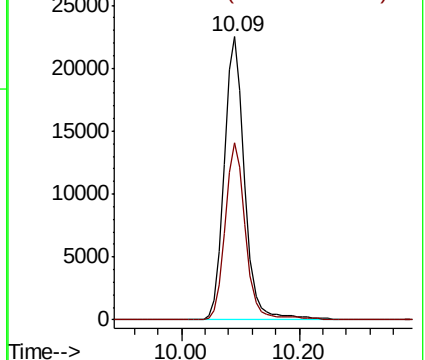
98 100

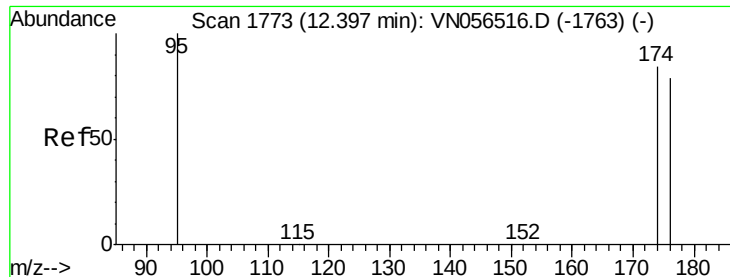
100 62.7 49.7 74.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#7

4-Bromofluorobenzene

Concen: 4.490 ug/l

RT: 12.39 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VN056542.D

Acq: 28 Jun 2019 9:47

Instrument :

MSVOA_N

ClientSampled :

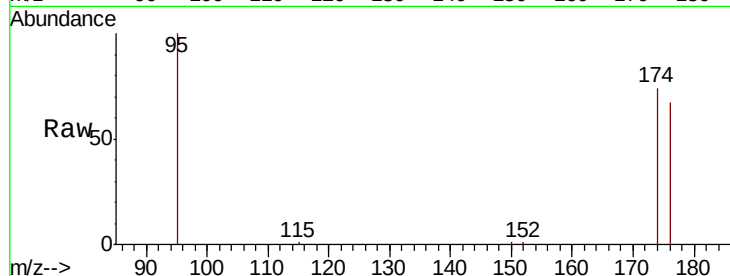
Tot Ion: 95 Resp: 11090

Ion Ratio Lower Upper

95 100

174 74.3 0.0 167.8

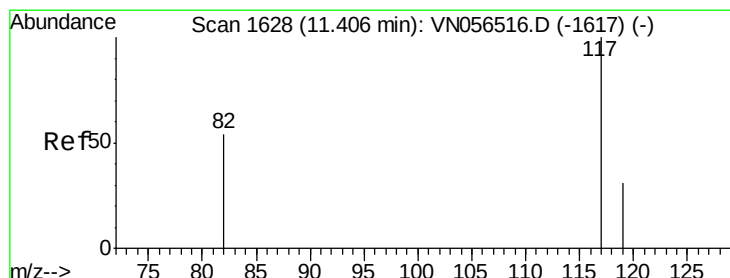
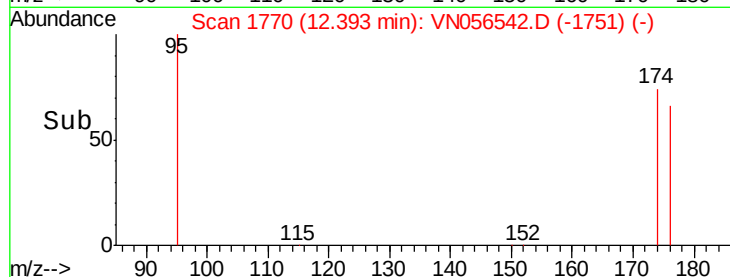
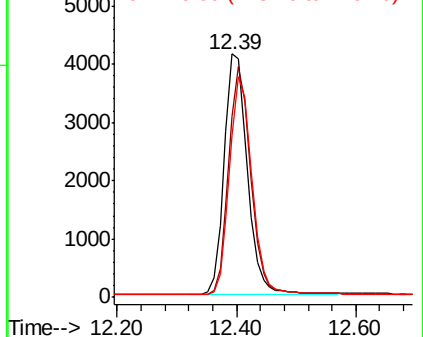
176 66.6 0.0 158.0



Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#8

Chlorobenzene-d5

Concen: 5.000 ug/l

RT: 11.41 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VN056542.D

Acq: 28 Jun 2019 9:47

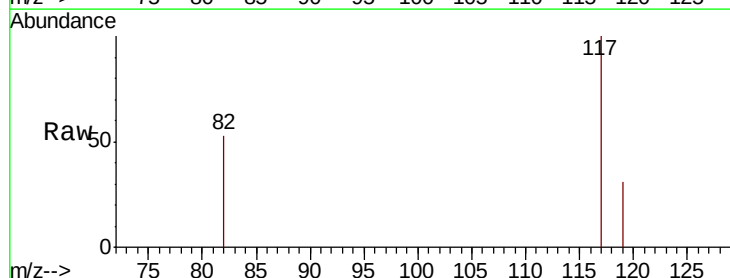
Tgt Ion: 117 Resp: 50351

Ion Ratio Lower Upper

117 100

82 53.3 43.0 64.4

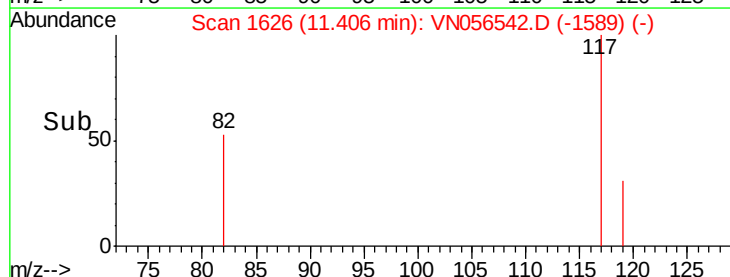
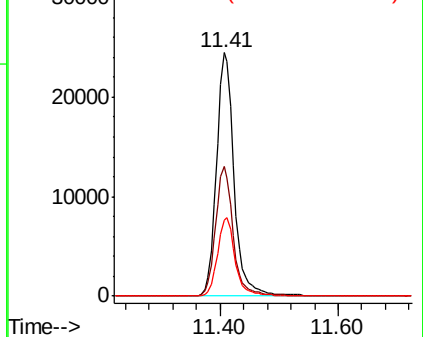
119 31.4 24.7 37.1

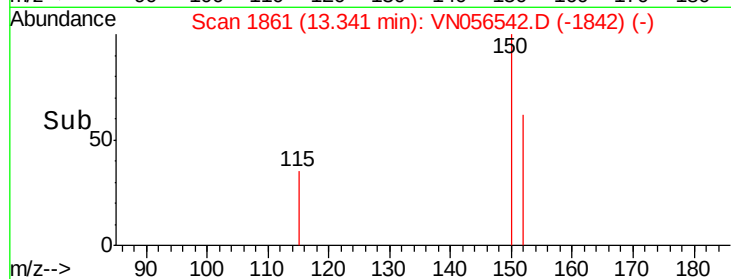
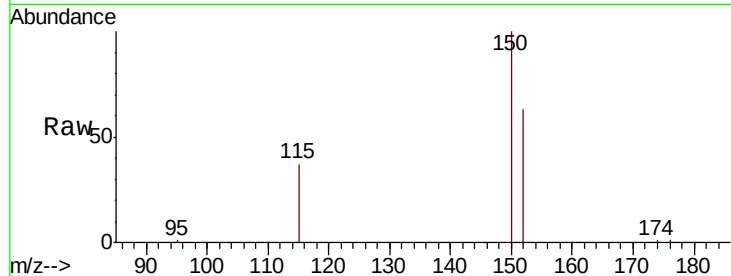
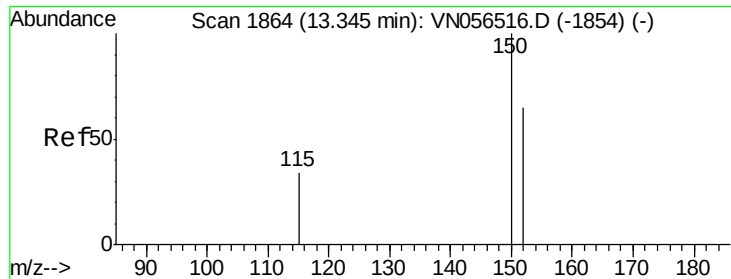


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V





#9

1,4-Dichlorobenzene-d4

Concen: 5.000 ug/l

RT: 13.34 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN056542.D

Acq: 28 Jun 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:152 Resp: 6085

Ion Ratio Lower Upper

152 100

115 58.2 27.0 80.8

150 159.1 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

