

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058263.D
 Acq On : 20 Sep 2019 20:01
 Operator : JC/SP
 Sample : K4975-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D1-20190918

Quant Time: Sep 23 07:15:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

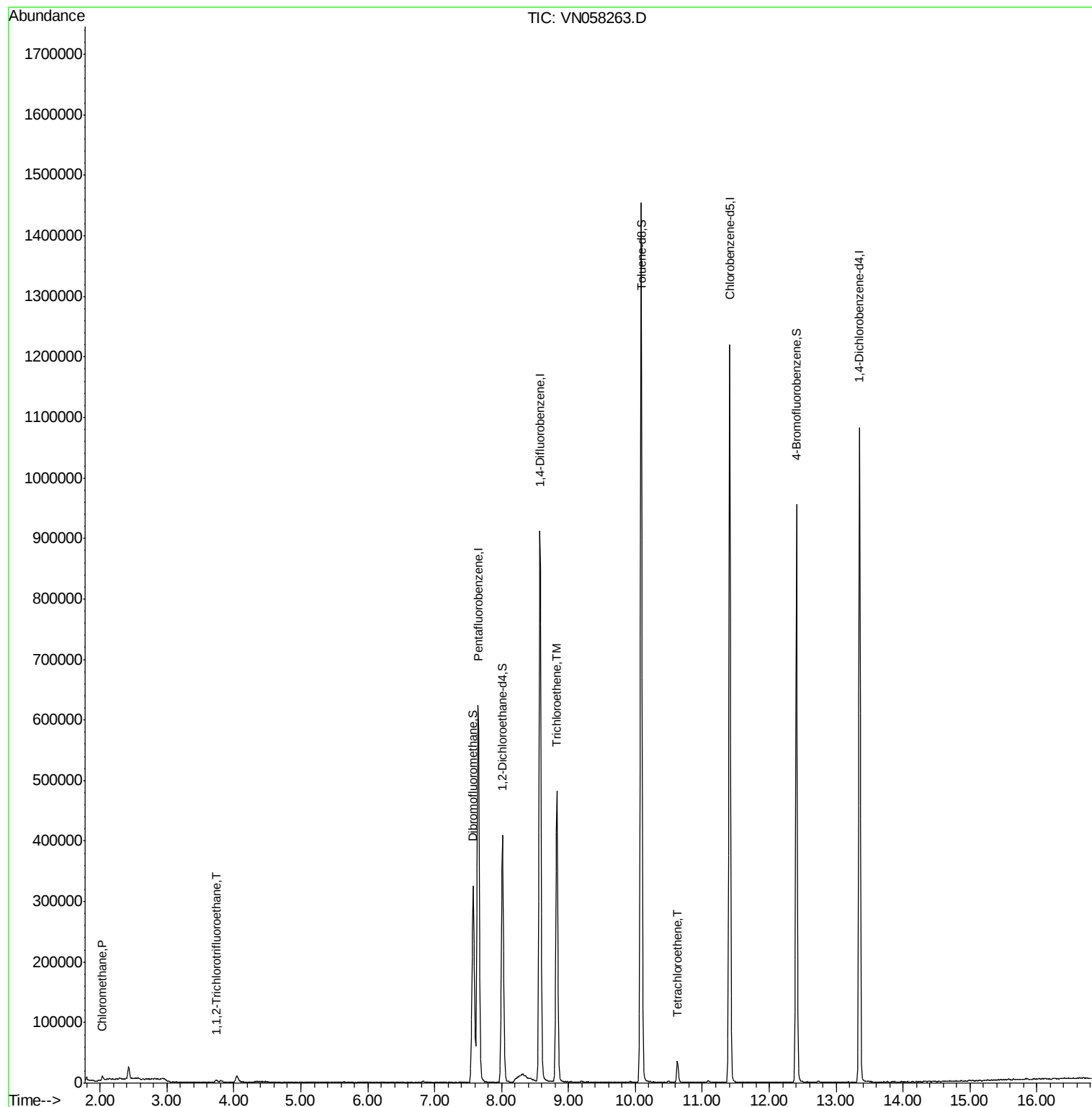
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	480885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	784289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	667019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	269726	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	353946	52.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.70%	
35) Dibromofluoromethane	7.57	113	245081	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.80%	
50) Toluene-d8	10.08	98	991252	53.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.72%	
62) 4-Bromofluorobenzene	12.41	95	313305	45.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.80%	
Target Compounds						
3) Chloromethane	2.04	50	4830	0.564	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2592	0.667	ug/l #	92
44) Trichloroethene	8.82	130	164986	39.028	ug/l	97
64) Tetrachloroethene	10.63	164	7887	2.426	ug/l	93

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058263.D

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MSVOA_N

ClientSampleId :

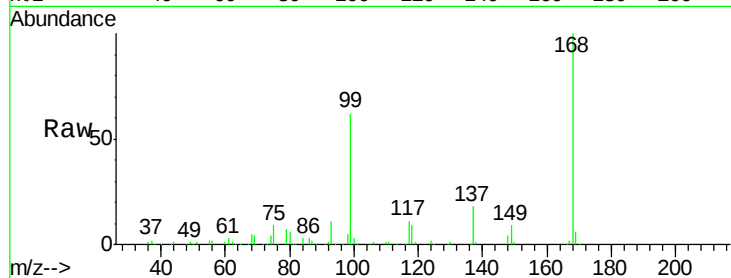
RE108D1-20190918

Tot Ion:168 Resp: 480885

Ion Ratio Lower Upper

168 100

99 61.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN058155.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058155.D (-1808) (-)

7.65

200000

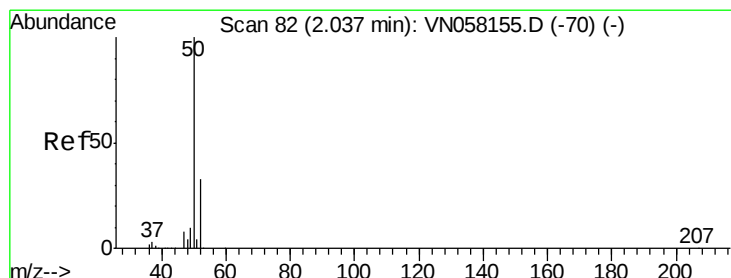
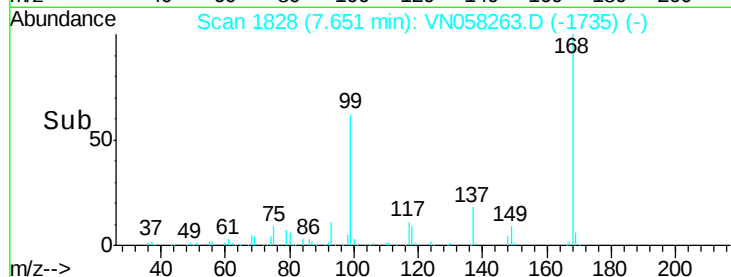
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.564 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058263.D

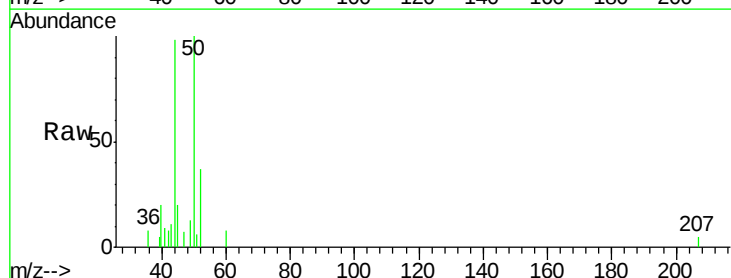
Acq: 20 Sep 2019 20:01

Tgt Ion: 50 Resp: 4830

Ion Ratio Lower Upper

50 100

52 36.7 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN058155.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN058155.D (-70) (-)

2.04

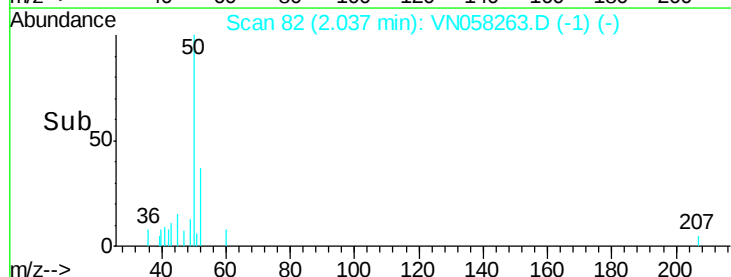
3000

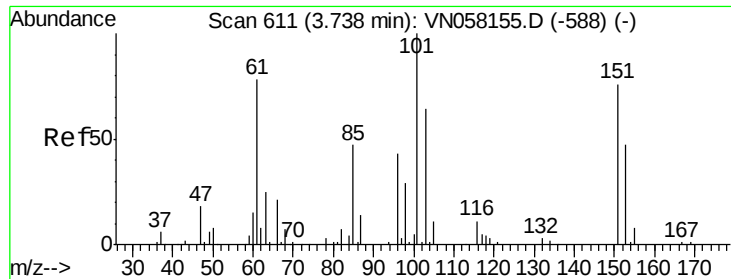
2000

1000

0

Time--> 2.00 2.05





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.667 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058263.D

Acq: 20 Sep 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

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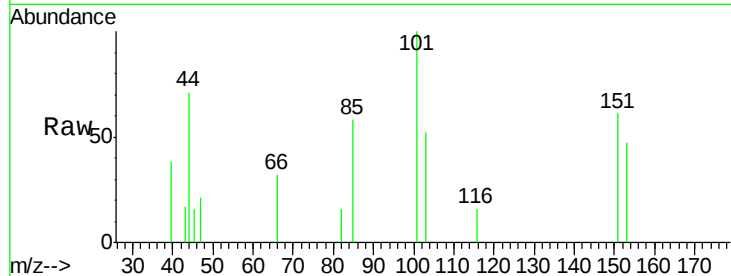
Tot Ion:101 Resp: 2592

Ion Ratio Lower Upper

101 100

85 37.1 37.3 55.9#

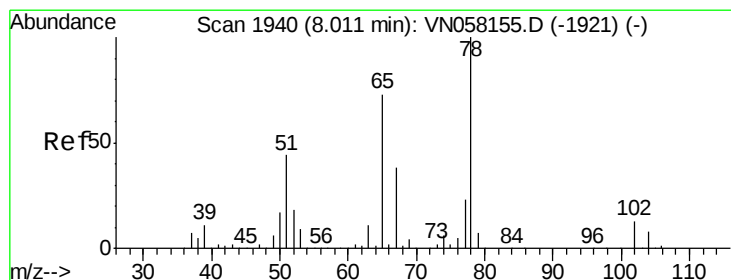
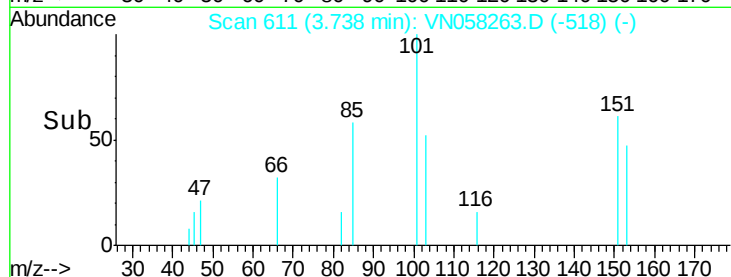
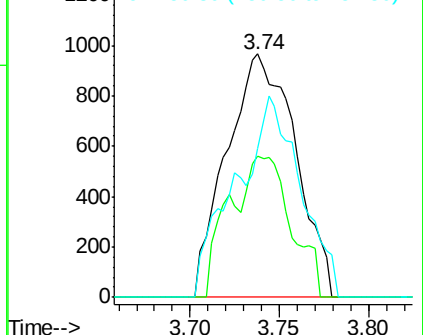
151 78.5 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#33

1,2-Dichloroethane-d4

Concen: 52.845 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058263.D

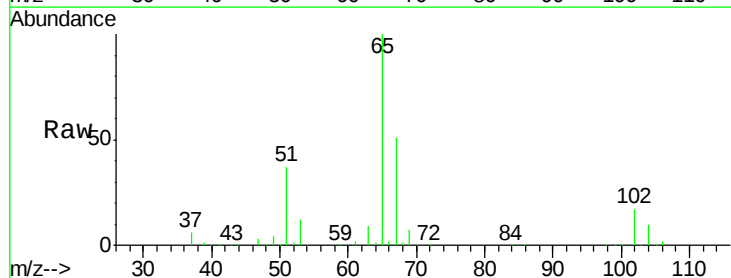
Acq: 20 Sep 2019 20:01

Tgt Ion: 65 Resp: 353946

Ion Ratio Lower Upper

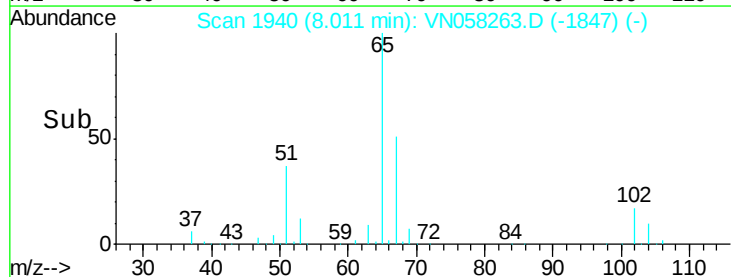
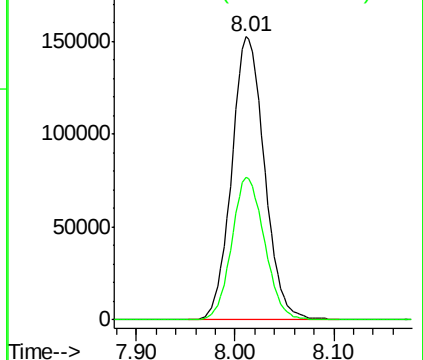
65 100

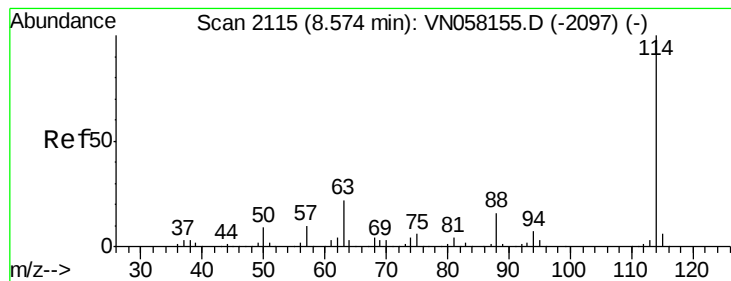
67 50.3 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058263.D

Acq: 20 Sep 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

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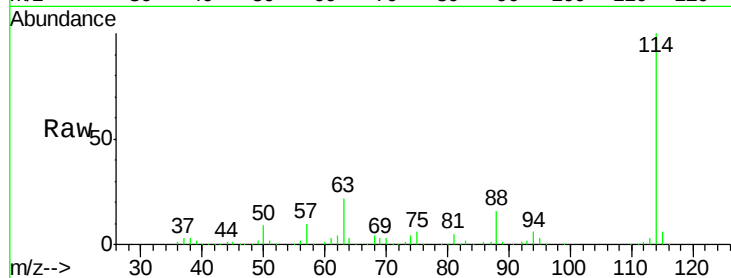
Tot Ion:114 Resp: 784289

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.2

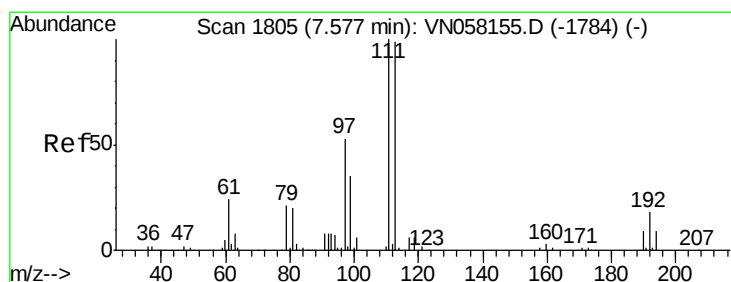
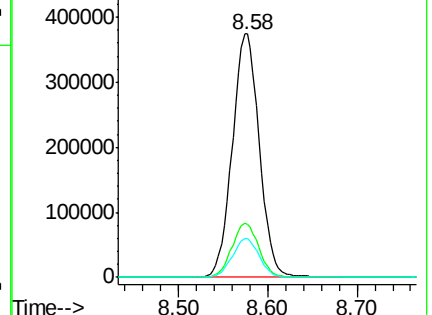
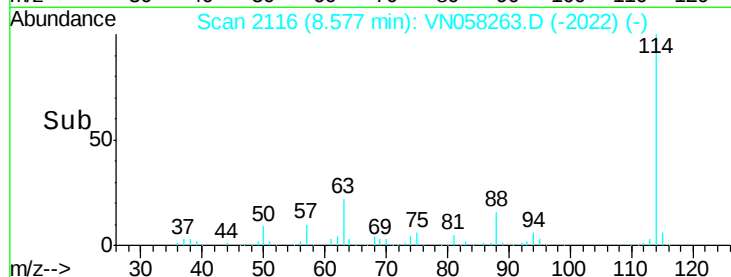
88 15.8 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 51.403 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058263.D

Acq: 20 Sep 2019 20:01

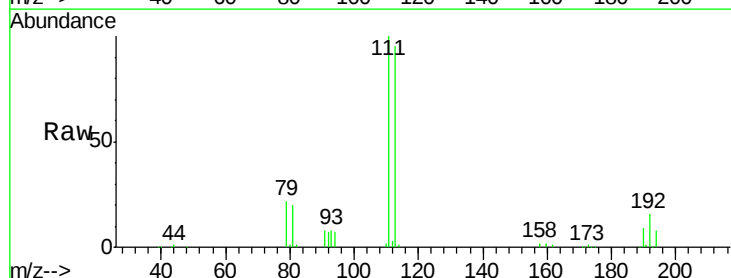
Tgt Ion:113 Resp: 245081

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

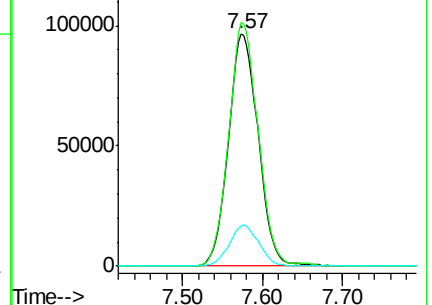
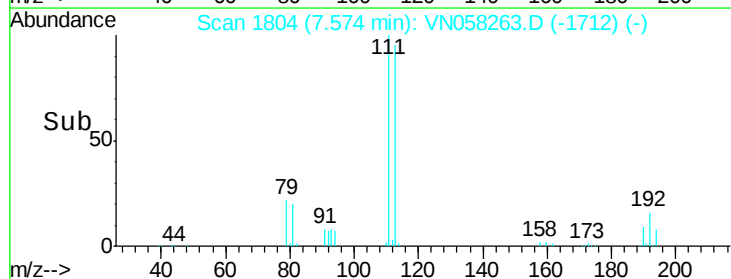
192 17.5 14.5 21.7

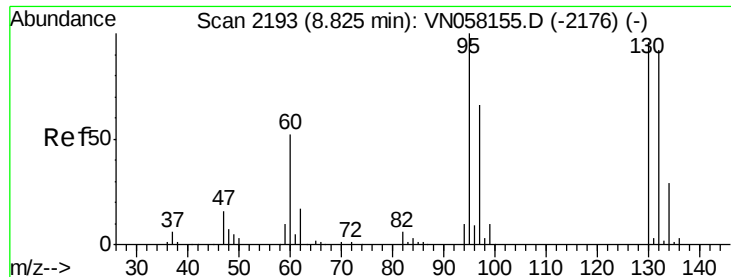


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 39.028 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058263.D

Acq: 20 Sep 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

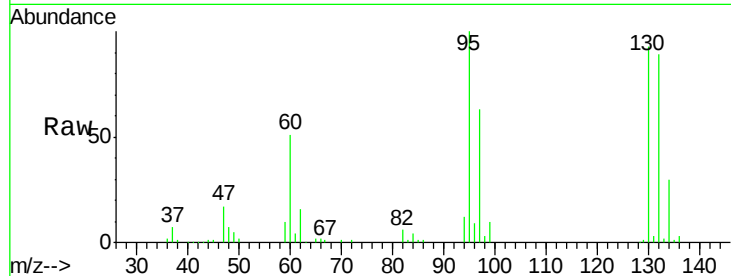
RE108D1-20190918

Tot Ion:130 Resp: 164986

Ion Ratio Lower Upper

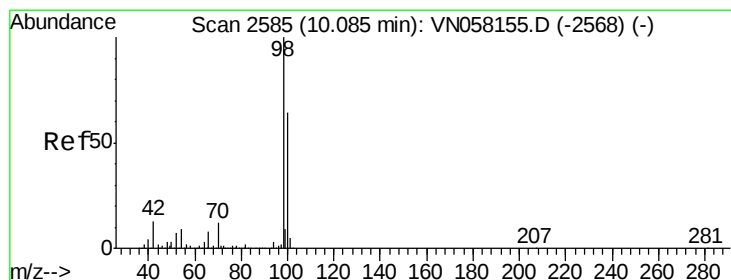
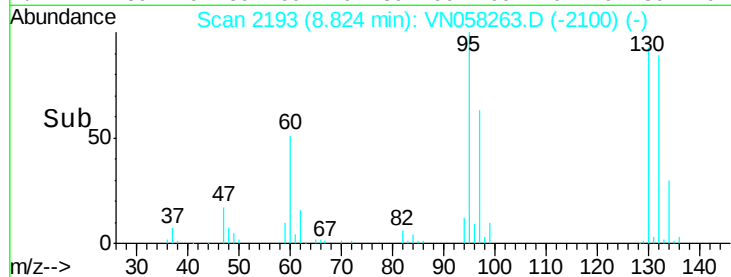
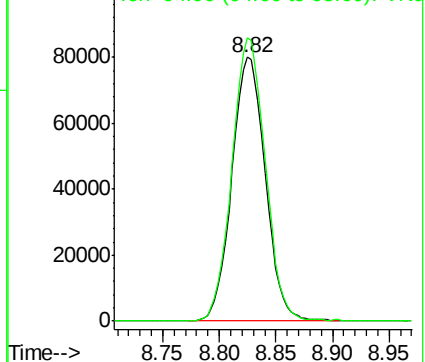
130 100

95 107.3 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 53.361 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058263.D

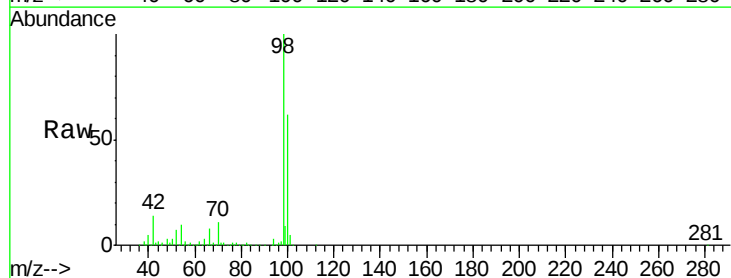
Acq: 20 Sep 2019 20:01

Tgt Ion: 98 Resp: 991252

Ion Ratio Lower Upper

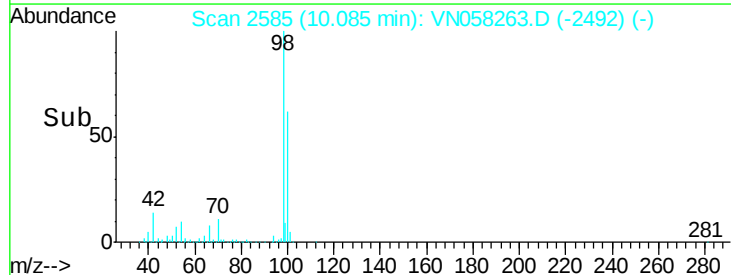
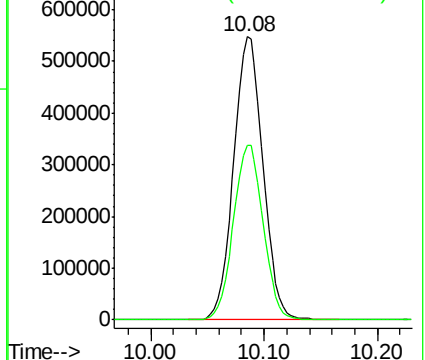
98 100

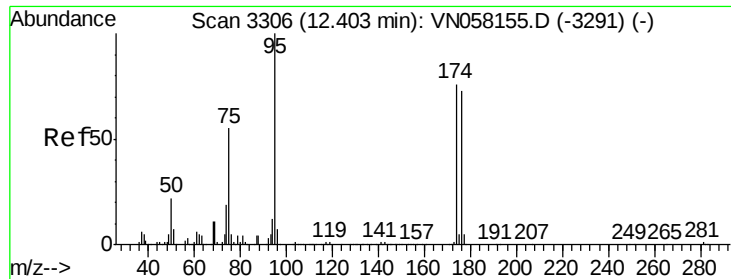
100 62.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 45.404 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058263.D

Acq: 20 Sep 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

RE108D1-20190918

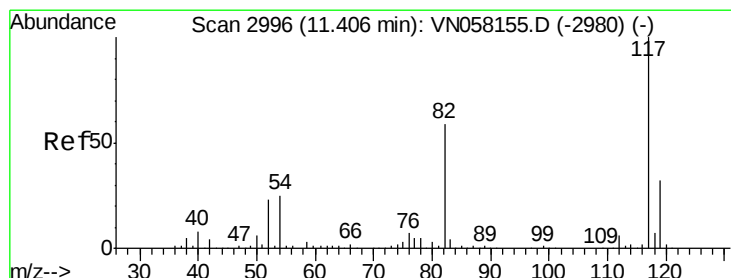
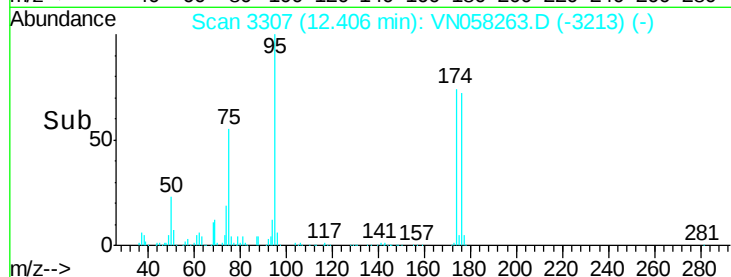
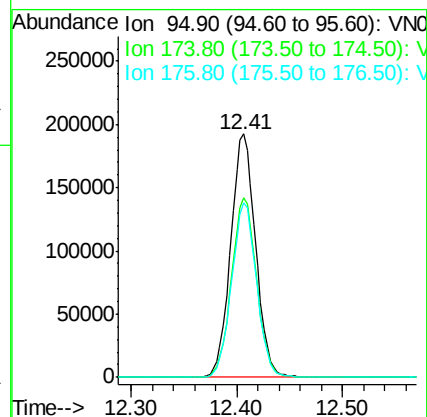
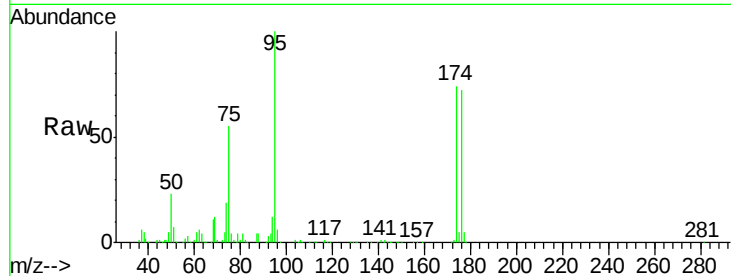
Tot Ion: 95 Resp: 313305

Ion Ratio Lower Upper

95 100

174 74.6 0.0 152.2

176 71.9 0.0 148.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058263.D

Acq: 20 Sep 2019 20:01

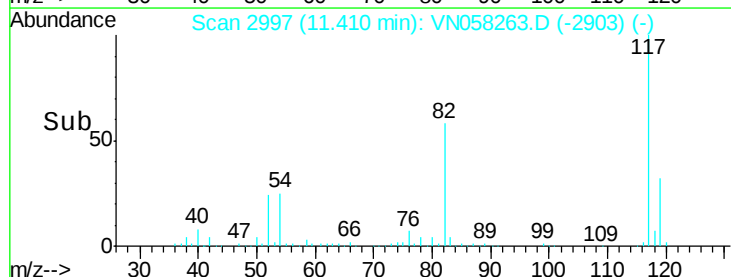
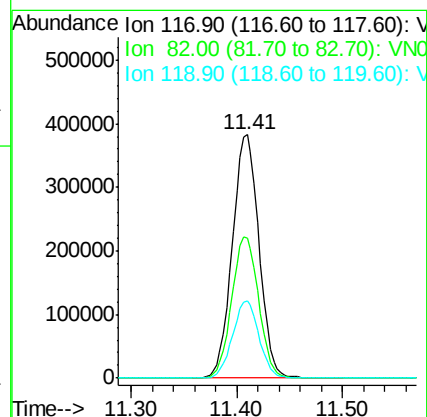
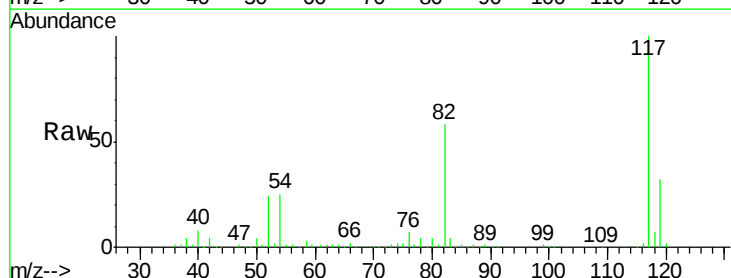
Tgt Ion: 117 Resp: 667019

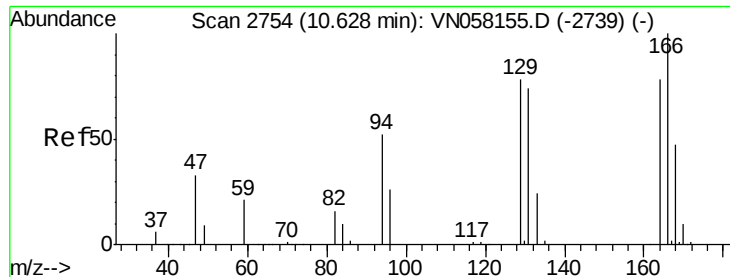
Ion Ratio Lower Upper

117 100

82 57.6 46.9 70.3

119 32.0 25.3 37.9





#64

Tetrachloroethene

Concen: 2.426 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN058263.D

Acq: 20 Sep 2019 20:01

Instrument :

MSVOA_N

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RE108D1-20190918

Tot Ion:164 Resp: 7887

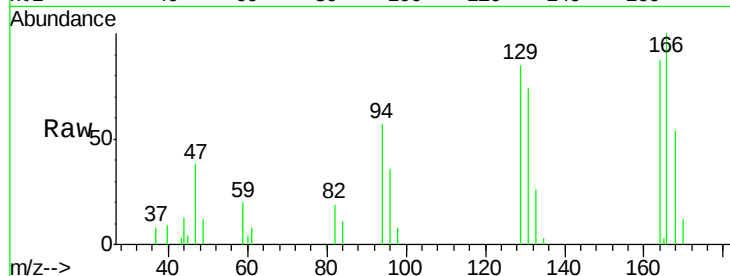
Ion Ratio Lower Upper

164 100

166 115.4 102.2 153.4

129 98.4 79.6 119.4

131 85.7 76.0 114.0

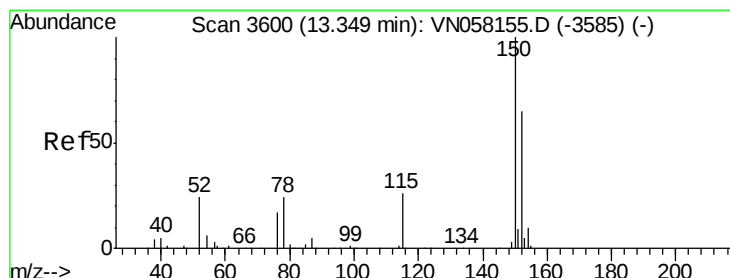
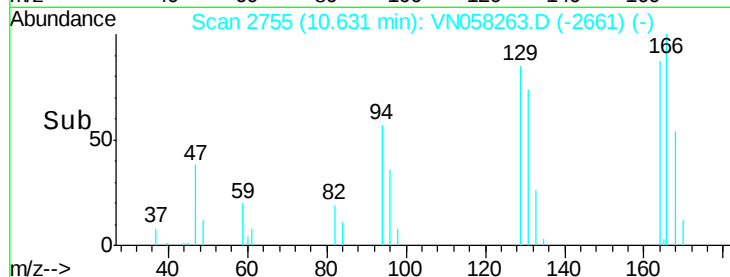
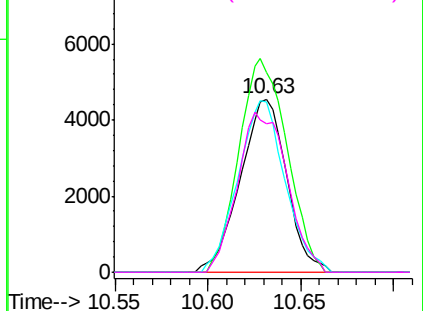


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058263.D

Acq: 20 Sep 2019 20:01

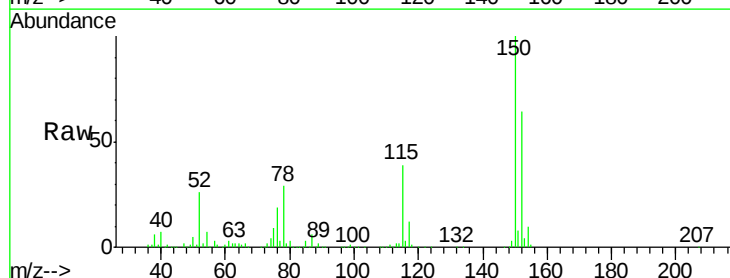
Tgt Ion:152 Resp: 269726

Ion Ratio Lower Upper

152 100

115 61.7 30.1 90.3

150 156.9 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

