

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
 Data File : VN063352.D
 Acq On : 14 Sep 2020 19:18
 Operator : JC/MD
 Sample : L3988-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ189I-20200909

Quant Time: Sep 15 08:24:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

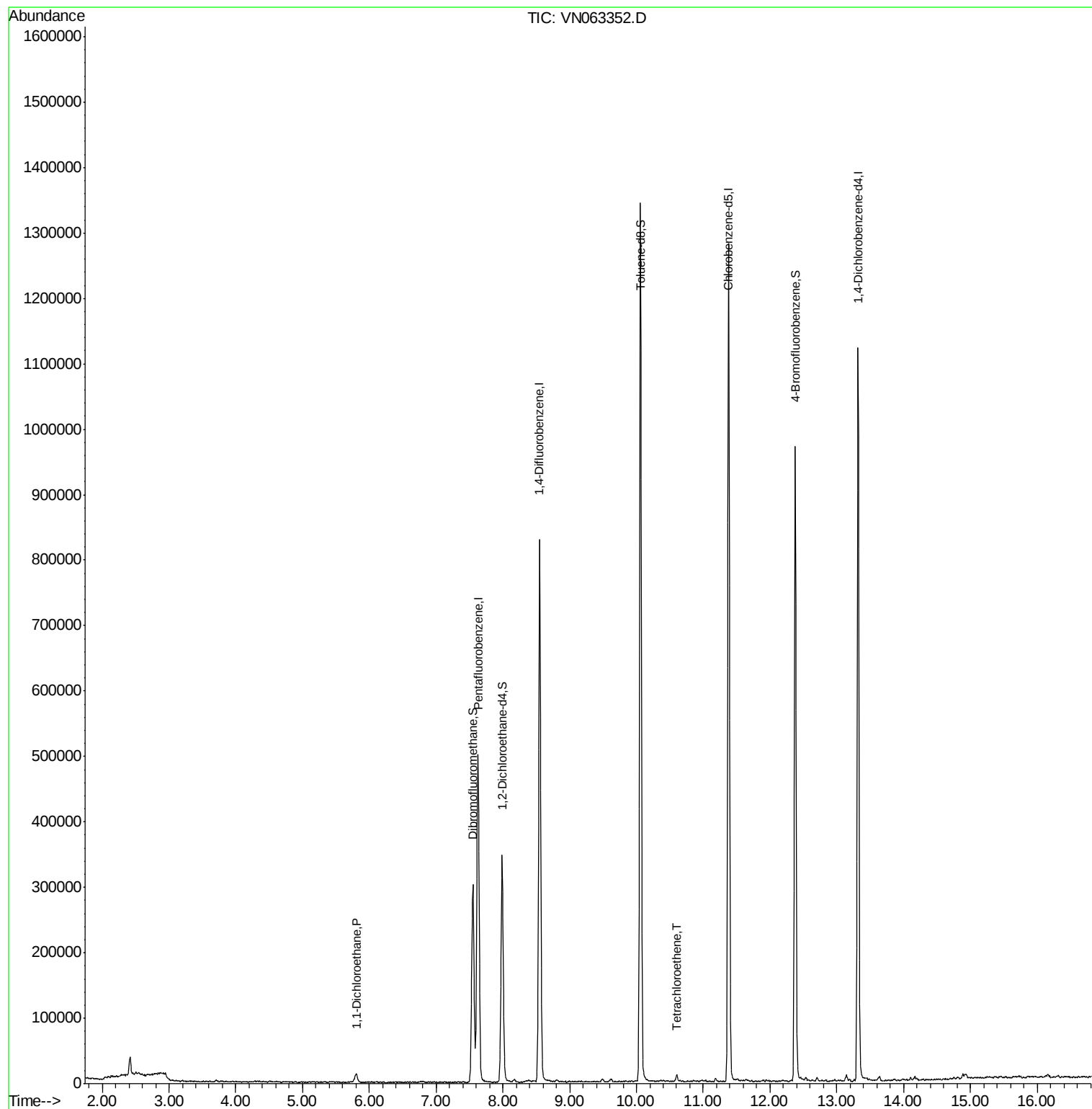
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	385125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	707303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	705608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	276576	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	291660	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.40%	
35) Dibromofluoromethane	7.55	113	227244	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	
50) Toluene-d8	10.06	98	913392	52.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.38	95	338083	52.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.70%	
Target Compounds						
24) 1,1-Dichloroethane	5.81	63	18398	1.993	ug/l	99
64) Tetrachloroethene	10.60	164	1862	0.322	ug/l	92

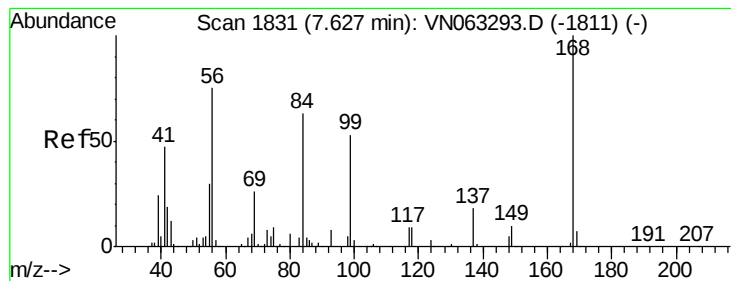
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063352.D

Acq: 14 Sep 2020 19:18

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MSVOA_N

ClientSampleId :

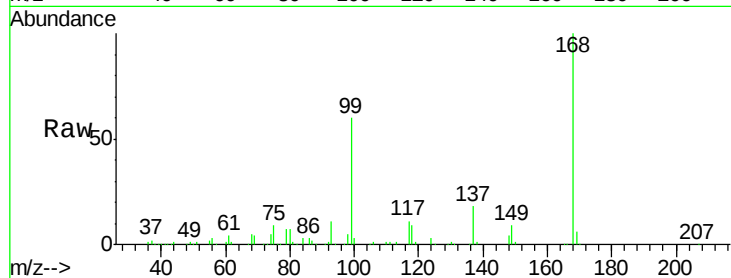
SA-PZ189I-20200909

Tot Ion:168 Resp: 385125

Ion Ratio Lower Upper

168 100

99 60.1 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

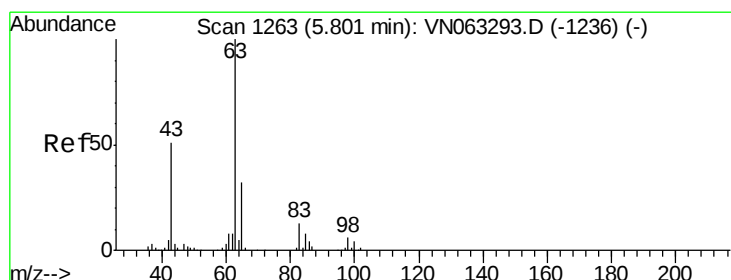
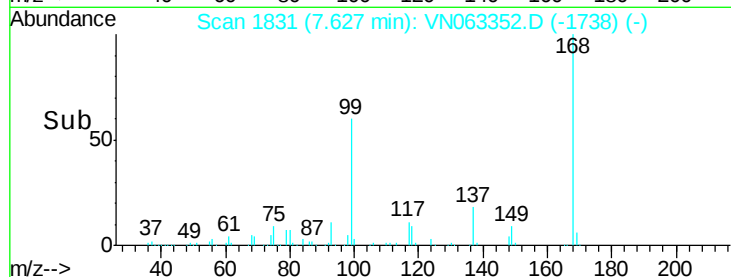
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#24

1,1-Dichloroethane

Concen: 1.993 ug/l

RT: 5.81 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VN063352.D

Acq: 14 Sep 2020 19:18

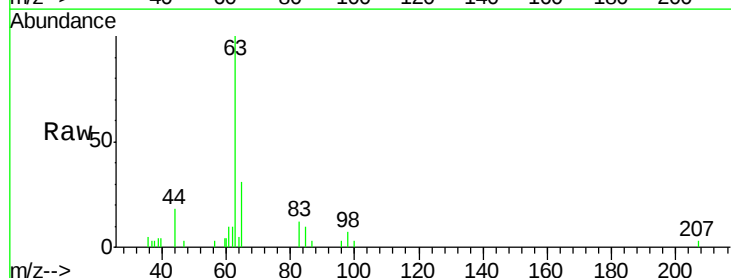
Tgt Ion: 63 Resp: 18398

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

100 3.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 97.90 (97.60 to 98.60): VN

Ion 99.90 (99.60 to 100.60): VN

8000

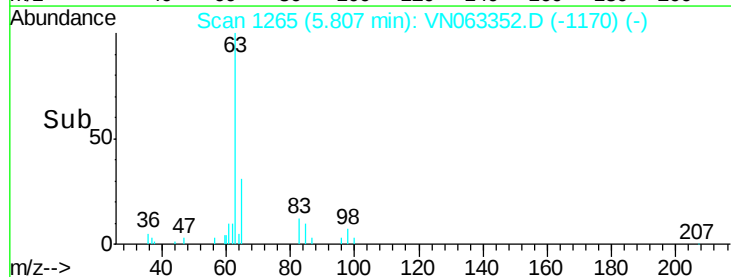
6000

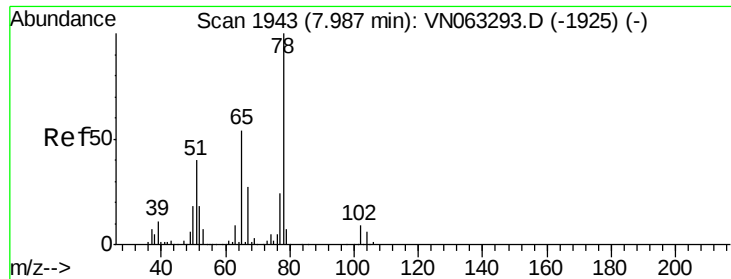
4000

2000

0

Time--> 5.70 5.80 5.90





#33

1,2-Dichloroethane-d4

Concen: 48.202 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063352.D

Acq: 14 Sep 2020 19:18

Instrument :

MSVOA_N

ClientSampleId :

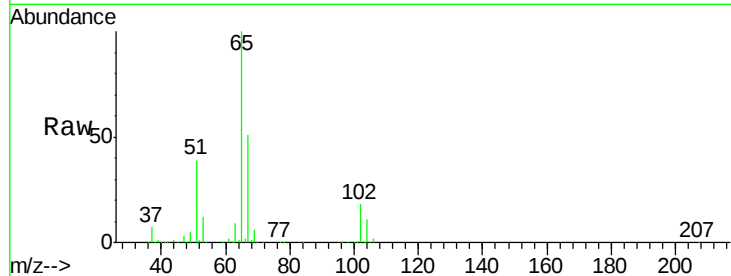
SA-PZ189I-20200909

Tot Ion: 65 Resp: 291660

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN063352.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063352.D (-1850) (-)

7.99

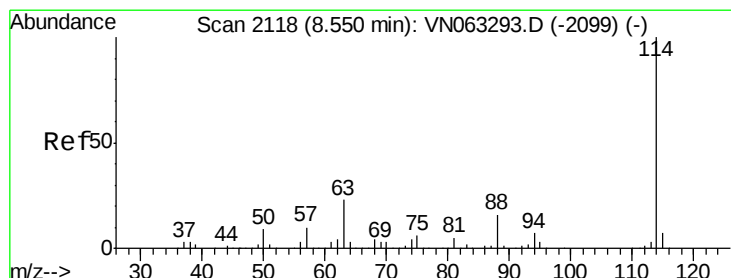
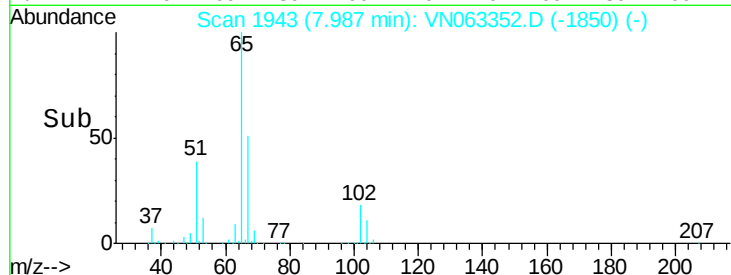
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063352.D

Acq: 14 Sep 2020 19:18

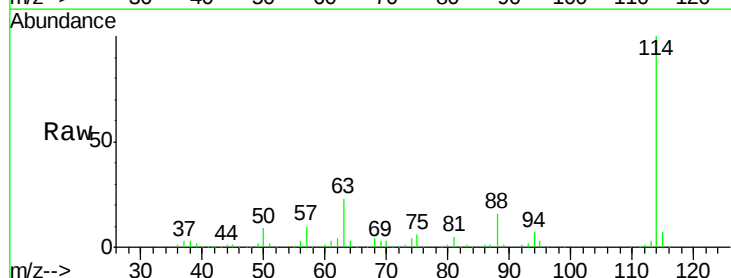
Tgt Ion: 114 Resp: 707303

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.0

88 16.5 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN063352.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN063352.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063352.D (-2025) (-)

8.55

400000

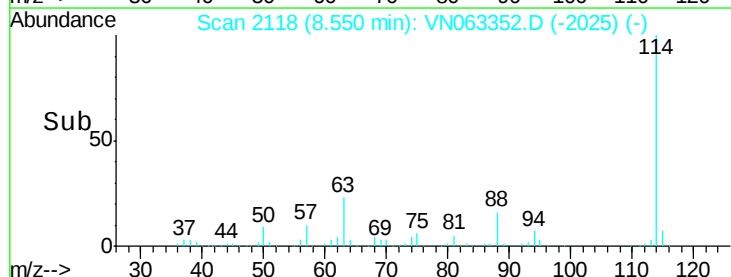
300000

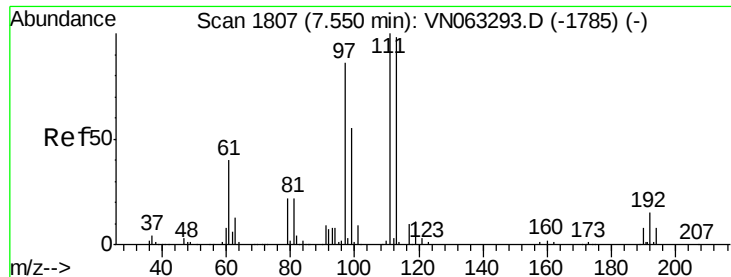
200000

100000

0

Time-->

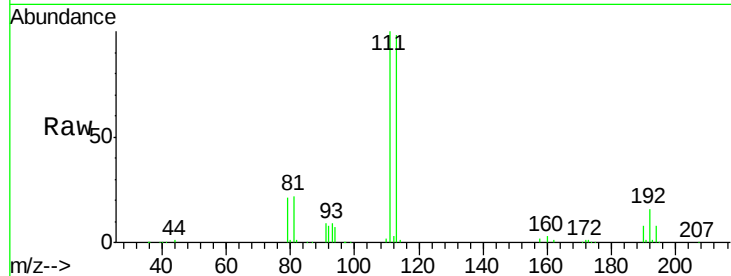




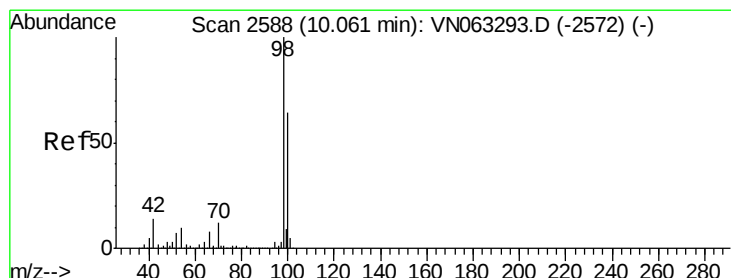
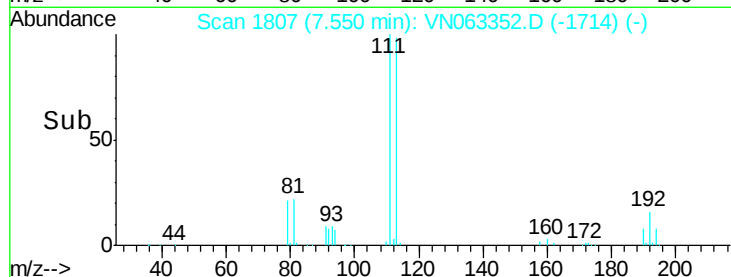
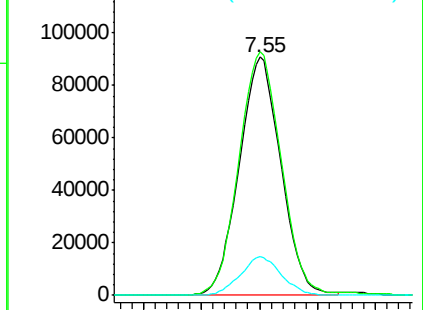
#35
Dibromofluoromethane
Concen: 49.801 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VN063352.D
Acq: 14 Sep 2020 19:18

Instrument :
MSVOA_N
ClientSampleId :
SA-PZ189I-20200909

Tot Ion:113 Resp: 227244
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 16.1 12.9 19.3

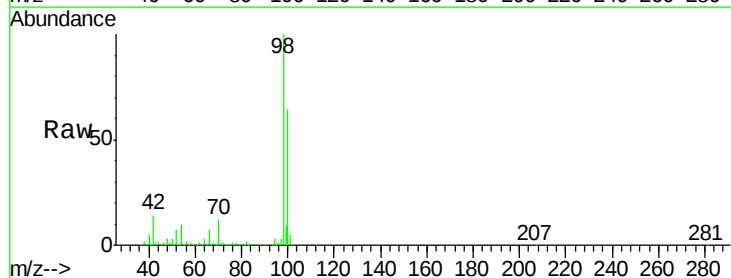


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

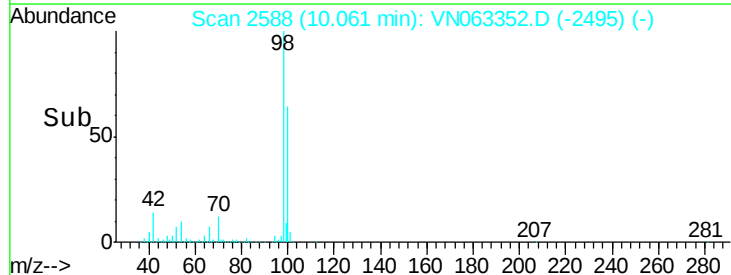
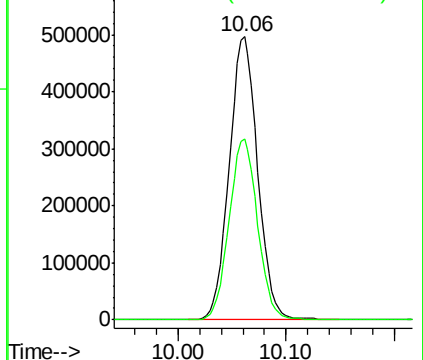


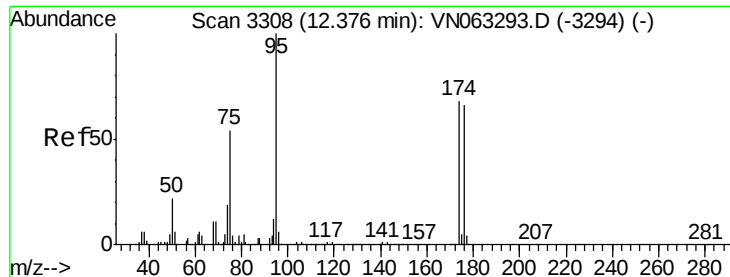
#50
Toluene-d8
Concen: 52.234 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063352.D
Acq: 14 Sep 2020 19:18

Tgt Ion: 98 Resp: 913392
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 52.346 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063352.D

Acq: 14 Sep 2020 19:18

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ189I-20200909

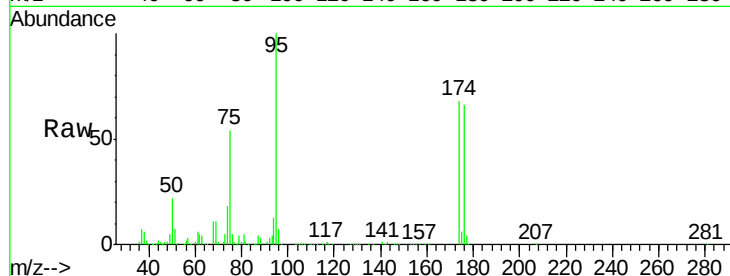
Tot Ion: 95 Resp: 338083

Ion Ratio Lower Upper

95 100

174 70.4 0.0 136.6

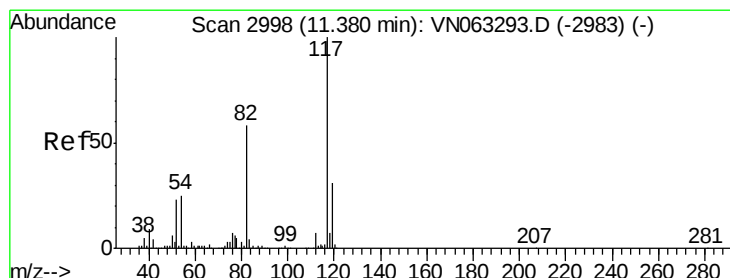
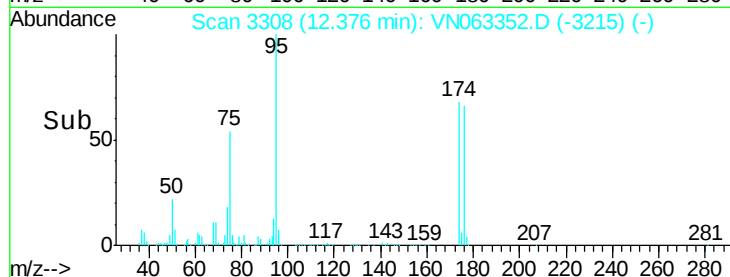
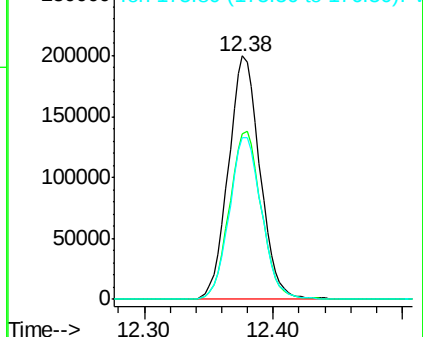
176 68.4 0.0 132.8



Abundance Ion 94.90 (94.60 to 95.60): VN063352.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063352.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063352.D (-3215) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063352.D

Acq: 14 Sep 2020 19:18

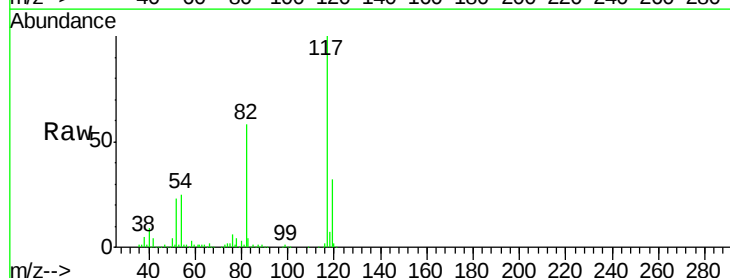
Tgt Ion: 117 Resp: 705608

Ion Ratio Lower Upper

117 100

82 58.4 46.4 69.6

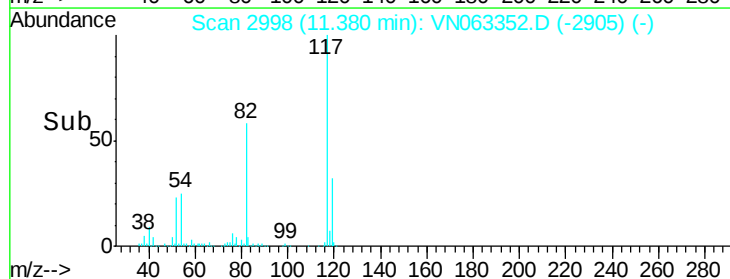
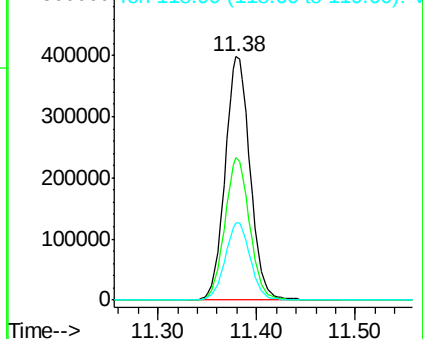
119 31.8 24.8 37.2

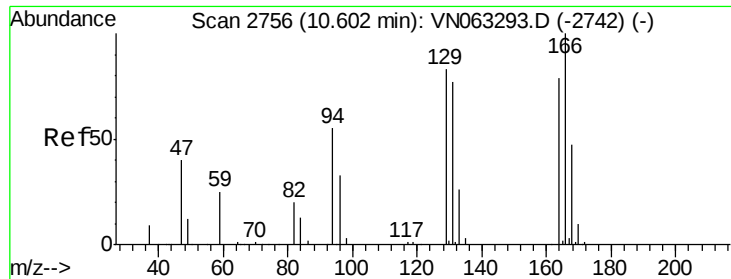


Abundance Ion 116.90 (116.60 to 117.60): VN063352.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063352.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063352.D (-2905) (-)





#64

Tetrachloroethene

Concen: 0.322 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063352.D

Acq: 14 Sep 2020 19:18

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ189I-20200909

Tot Ion:164 Resp: 1862

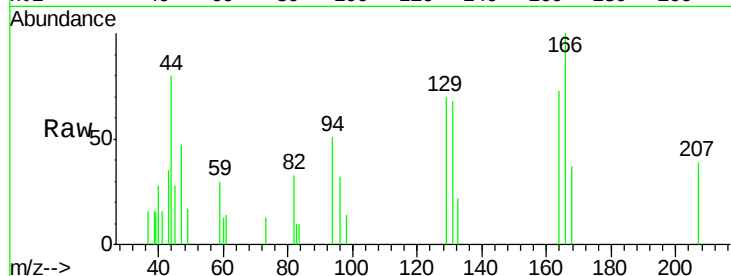
Ion Ratio Lower Upper

164 100

166 136.1 101.3 151.9

129 95.4 83.7 125.5

131 92.0 78.2 117.4

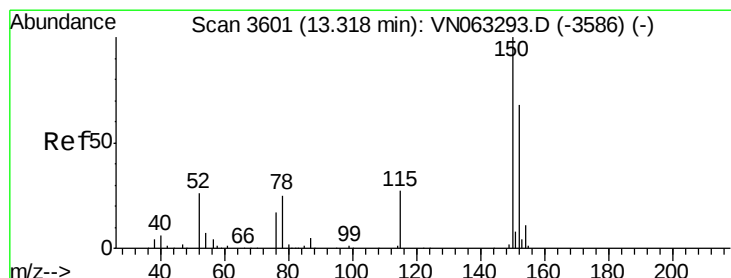
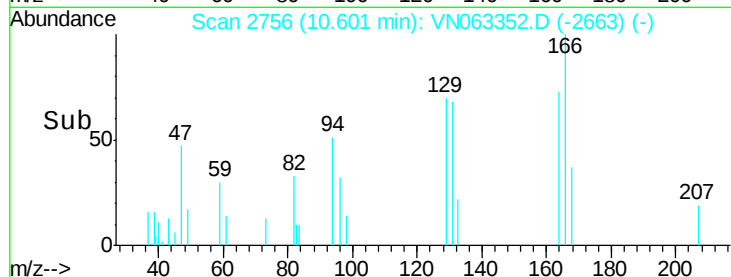
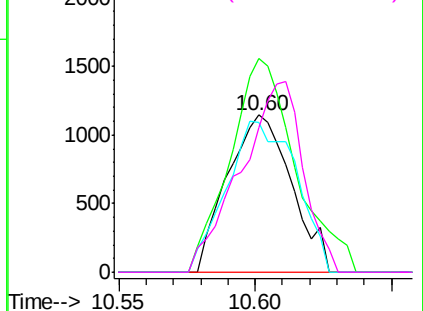


Abundance Ion 163.80 (163.50 to 164.50): V

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: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063352.D

Acq: 14 Sep 2020 19:18

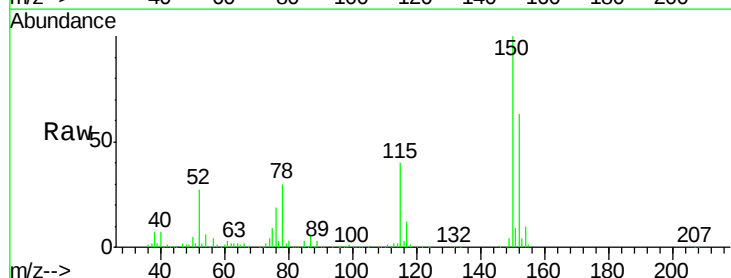
Tgt Ion:152 Resp: 276576

Ion Ratio Lower Upper

152 100

115 63.8 31.5 94.5

150 159.0 0.0 344.0



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

