

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058800.D
 Acq On : 16 Oct 2019 14:43
 Operator : JC/SP
 Sample : K5398-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL001-191015

Quant Time: Oct 17 08:23:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

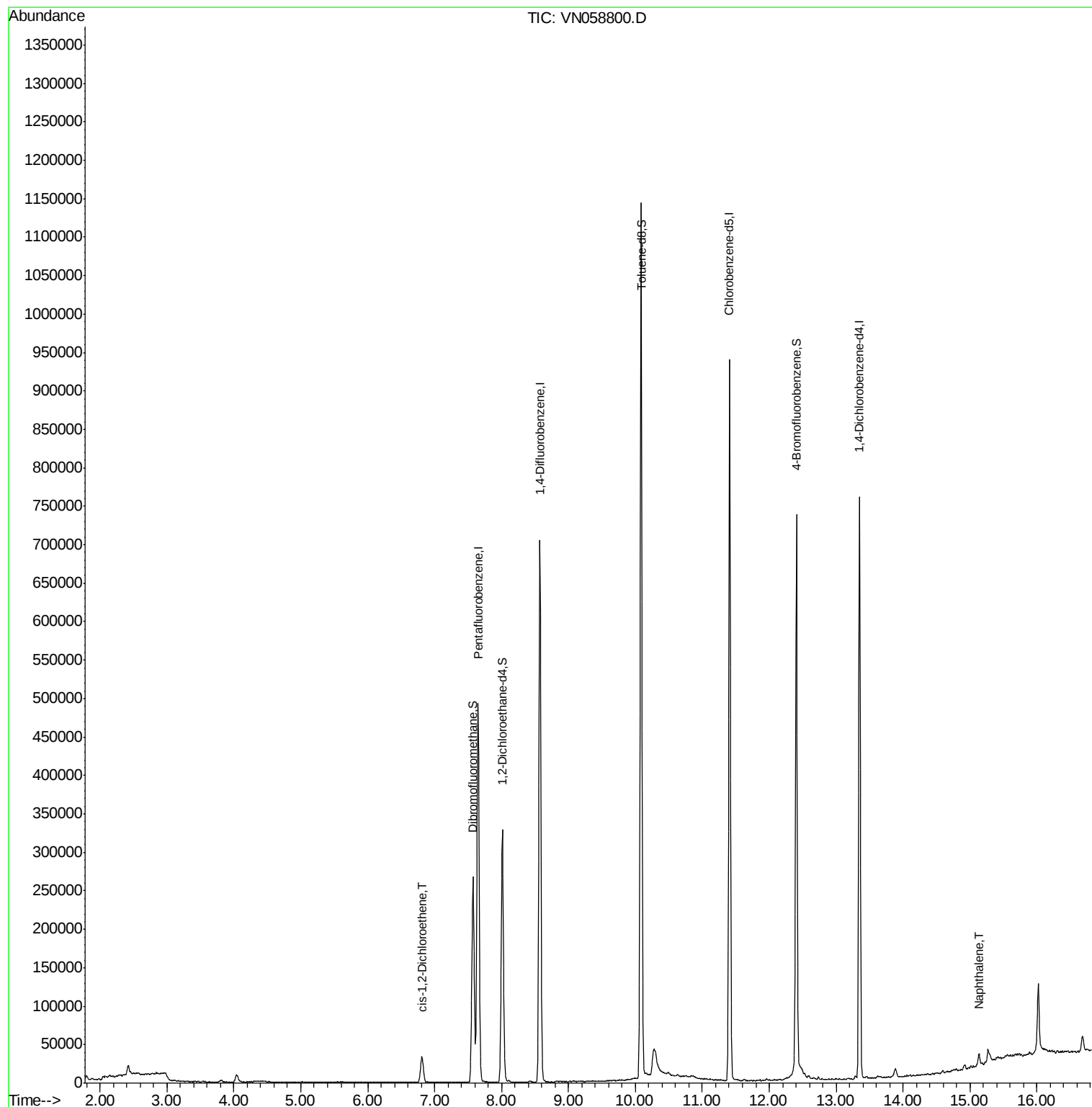
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	383001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	608460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	517974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194647	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	283057	52.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.58%	
35) Dibromofluoromethane	7.57	113	203126	54.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.10%	
50) Toluene-d8	10.09	98	770545	51.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.40	95	243175	42.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.50%	
Target Compounds						
27) cis-1,2-Dichloroethene	6.81	96	20848	4.345	ug/l	87
95) Naphthalene	15.13	128	8376	0.775	ug/l	97

(#) = 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: VN058800.D

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Instrument :

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ClientSampleId :

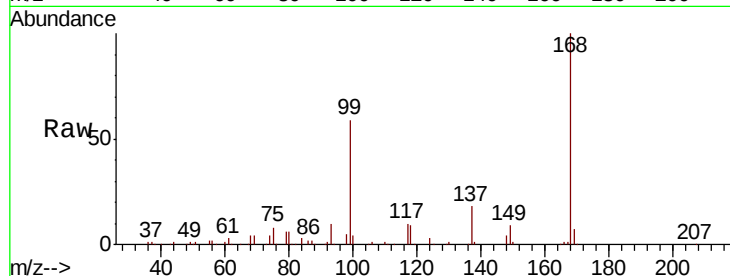
OUTFALL001-191015

Tot Ion:168 Resp: 383001

Ion Ratio Lower Upper

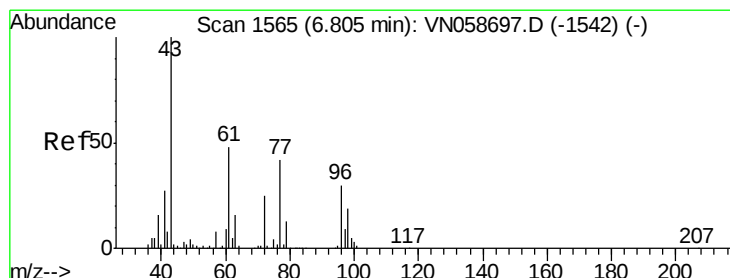
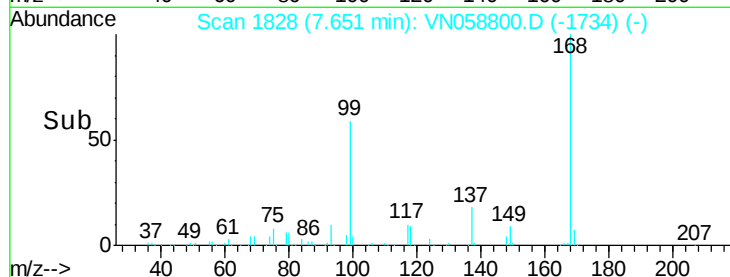
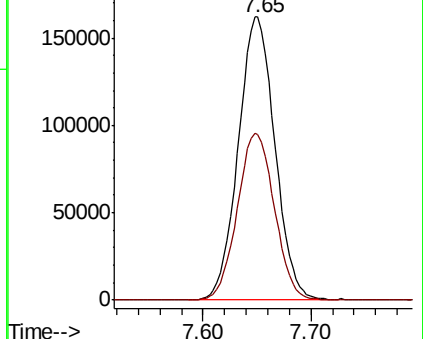
168 100

99 58.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#27

cis-1,2-Dichloroethene

Concen: 4.345 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058800.D

Acq: 16 Oct 2019 14:43

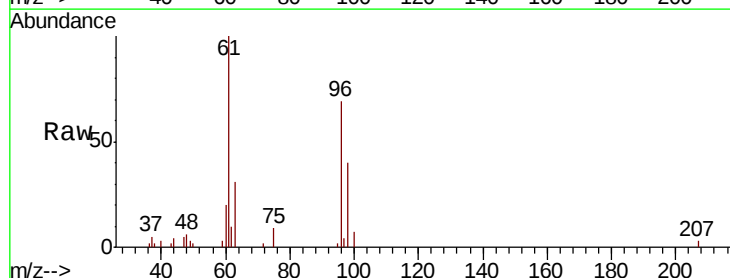
Tgt Ion: 96 Resp: 20848

Ion Ratio Lower Upper

96 100

61 139.5 0.0 324.8

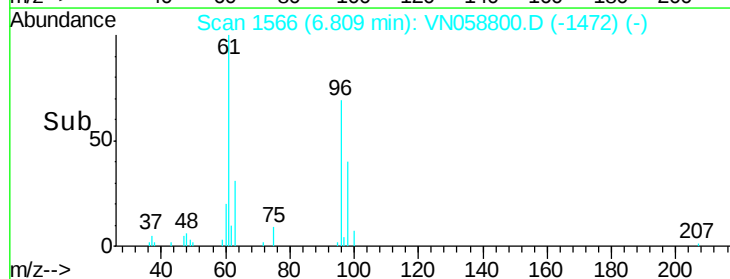
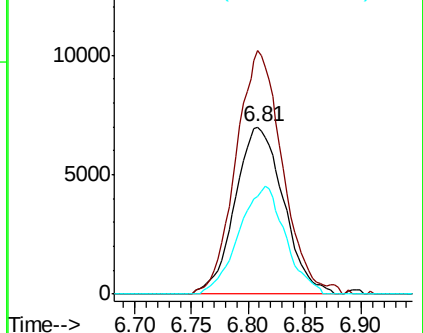
98 61.6 0.0 129.2

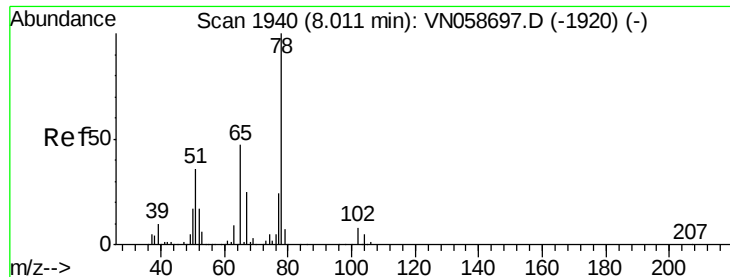


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

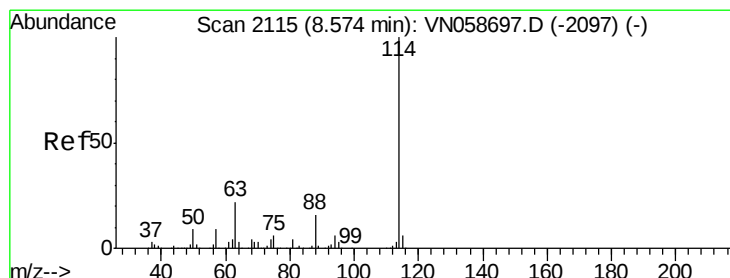
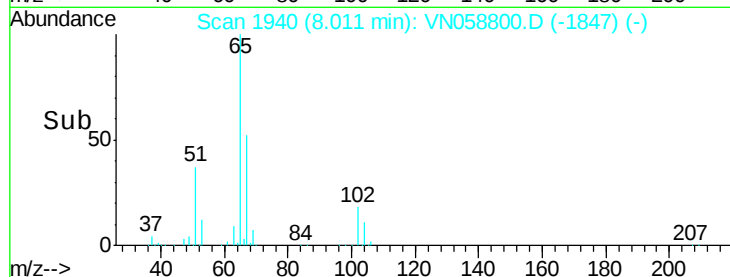
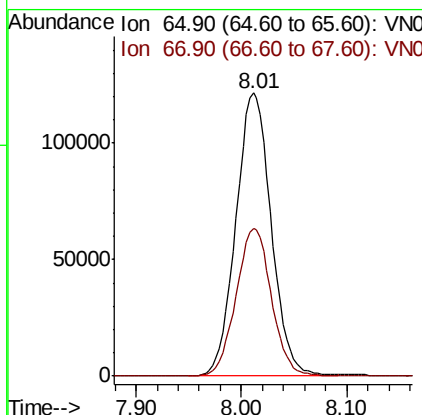
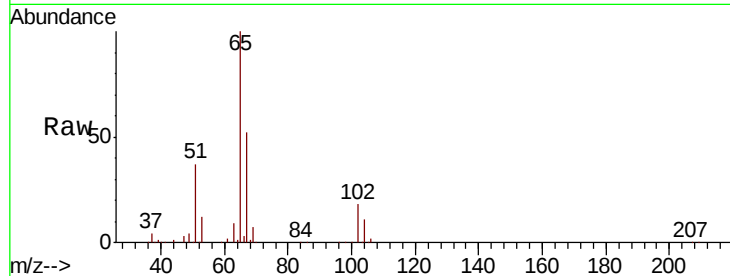




#33
 1,2-Dichloroethane-d4
 Concen: 52.790 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058800.D
 Acq: 16 Oct 2019 14:43

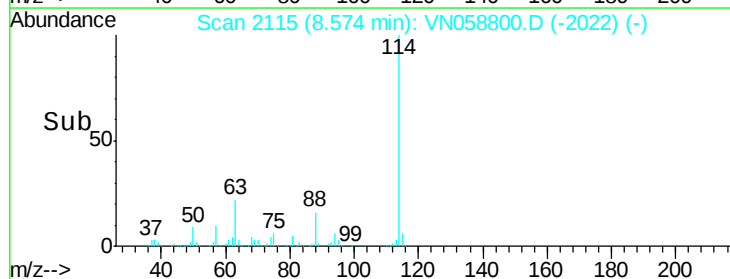
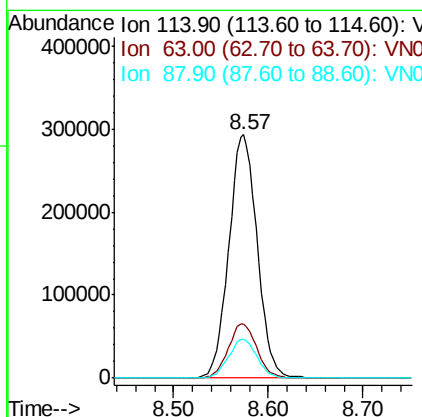
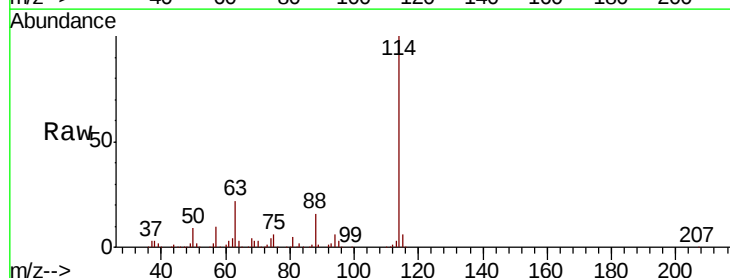
Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL001-191015

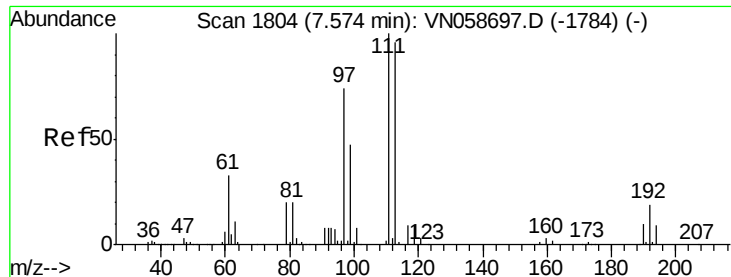
Tot Ion: 65 Resp: 283057
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058800.D
 Acq: 16 Oct 2019 14:43

Tgt Ion: 114 Resp: 608460
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.047 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058800.D

Acq: 16 Oct 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL001-191015

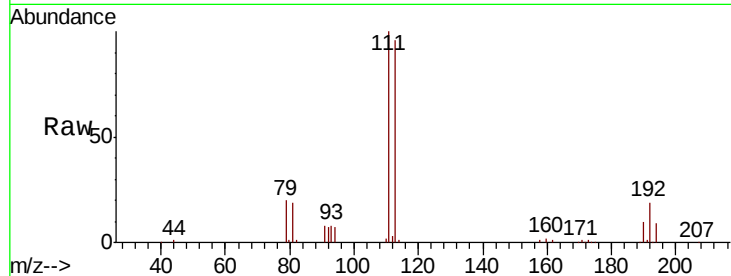
Tot Ion:113 Resp: 203126

Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

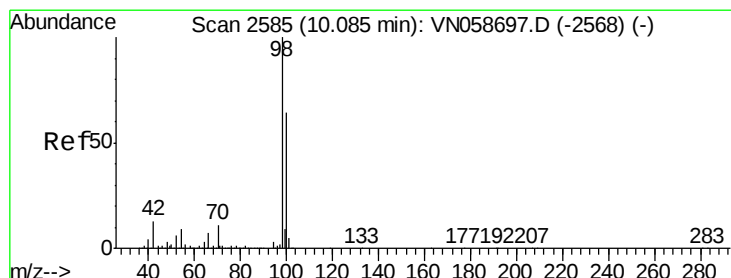
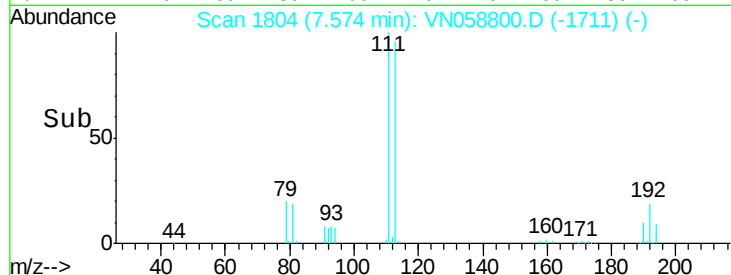
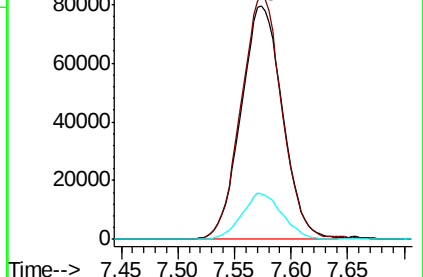
192 19.2 15.0 22.6



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: 51.270 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058800.D

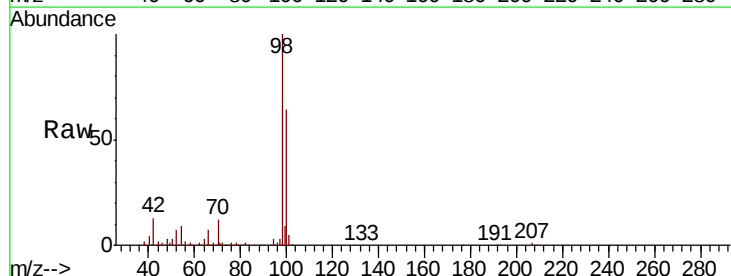
Acq: 16 Oct 2019 14:43

Tgt Ion: 98 Resp: 770545

Ion Ratio Lower Upper

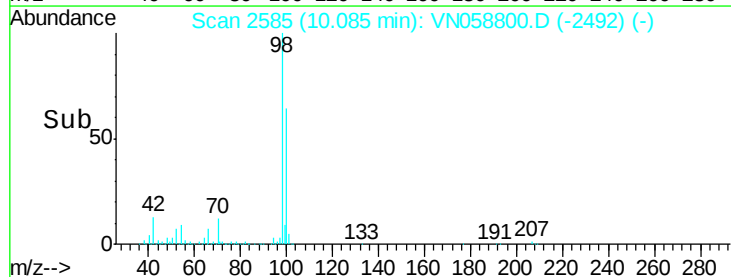
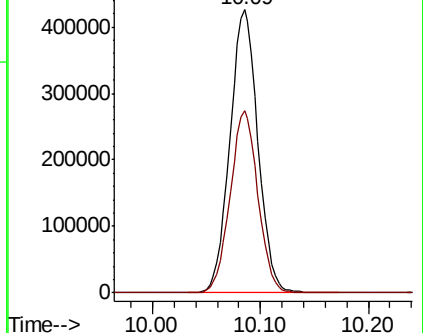
98 100

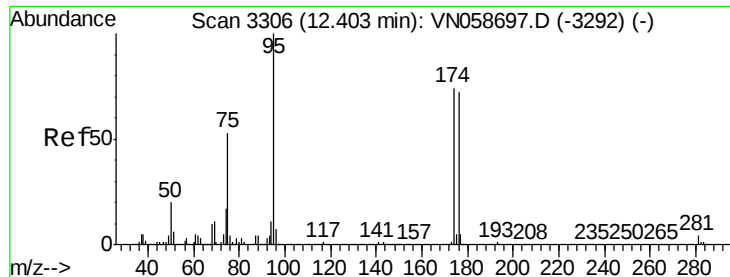
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 42.745 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058800.D

Acq: 16 Oct 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL001-191015

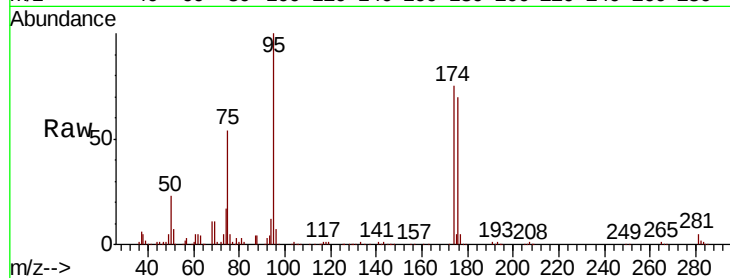
Tot Ion: 95 Resp: 243175

Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.4

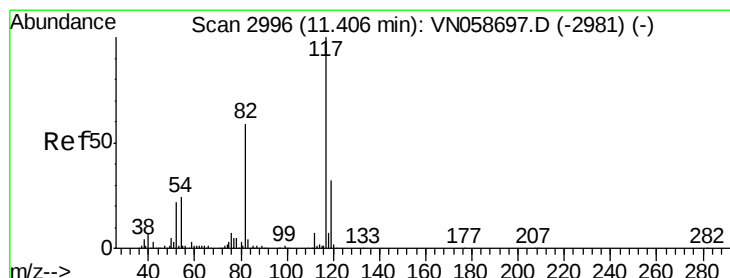
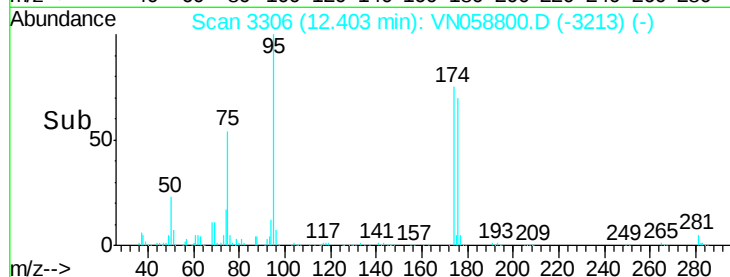
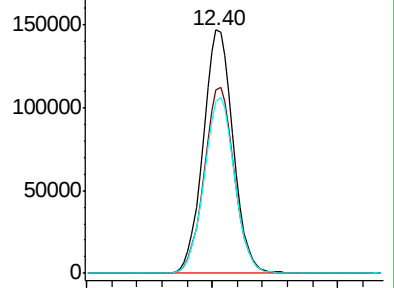
176 73.8 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN058800.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058800.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058800.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058800.D

Acq: 16 Oct 2019 14:43

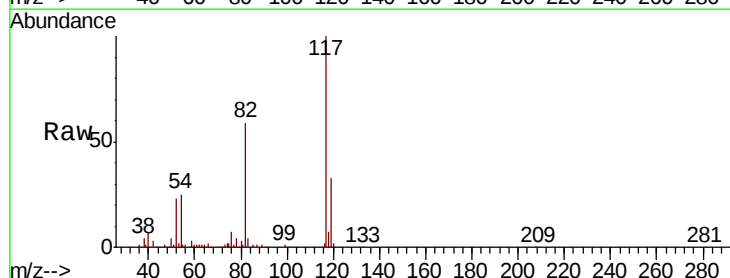
Tgt Ion: 117 Resp: 517974

Ion Ratio Lower Upper

117 100

82 59.4 47.0 70.4

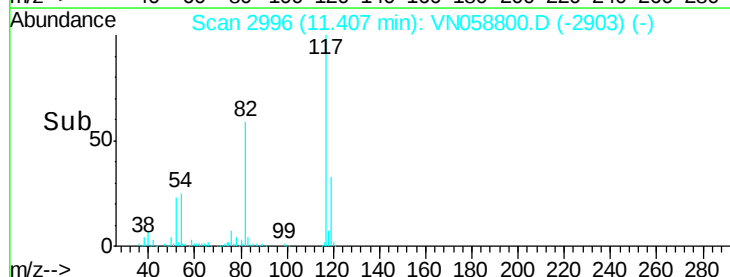
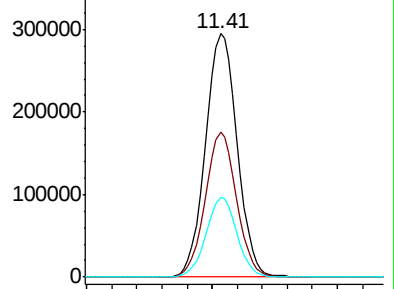
119 32.8 25.4 38.2

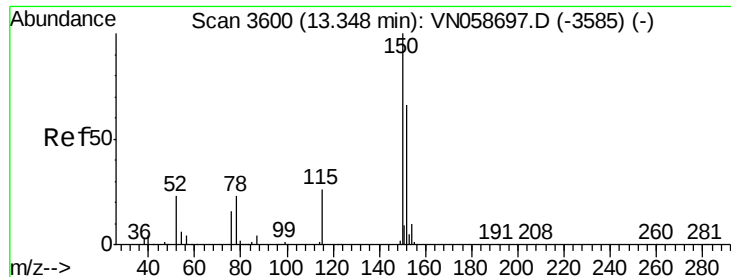


Abundance Ion 116.90 (116.60 to 117.60): VN058800.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058800.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058800.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058800.D

Acq: 16 Oct 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL001-191015

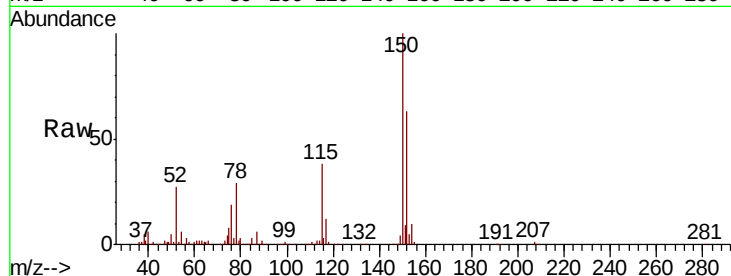
Tot Ion:152 Resp: 194647

Ion Ratio Lower Upper

152 100

115 60.7 30.4 91.2

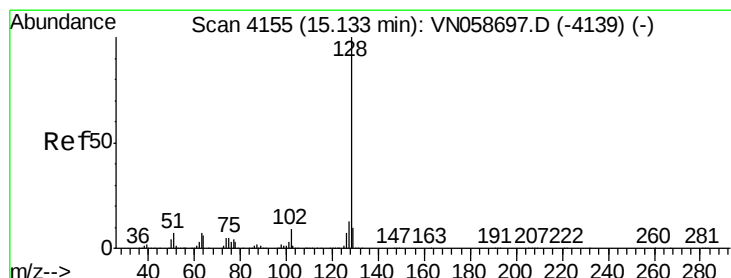
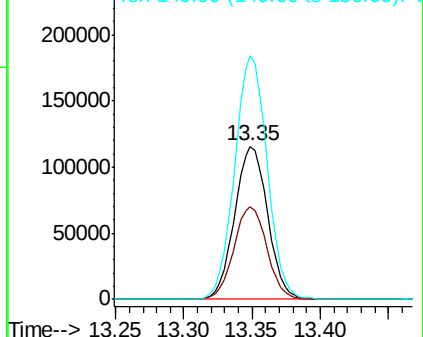
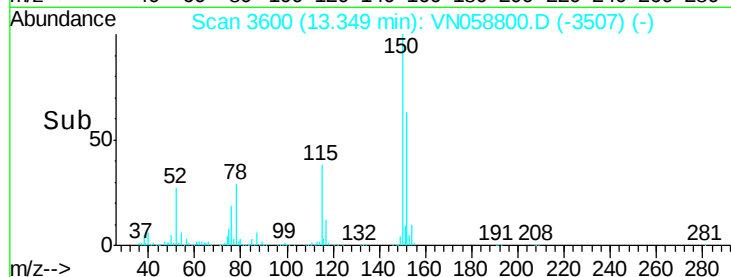
150 156.7 0.0 345.4



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



#95

Naphthalene

Concen: 0.775 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058800.D

Acq: 16 Oct 2019 14:43

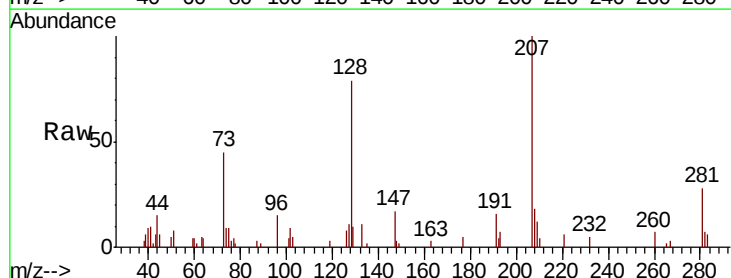
Tgt Ion:128 Resp: 8376

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.4

129 11.2 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

