

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050653.D
 Acq On : 15 Aug 2018 14:24
 Operator : MD\SY
 Sample : J4465-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 943-MW-04(23)

Quant Time: Aug 16 13:43:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	614072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	948885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	311081	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	407522	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	7.59	113	382511	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
50) Toluene-d8	10.09	98	1362460	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.40	95	377861	40.12	ug/l	0.00
Spiked Amount			Recovery	=	80.24%	

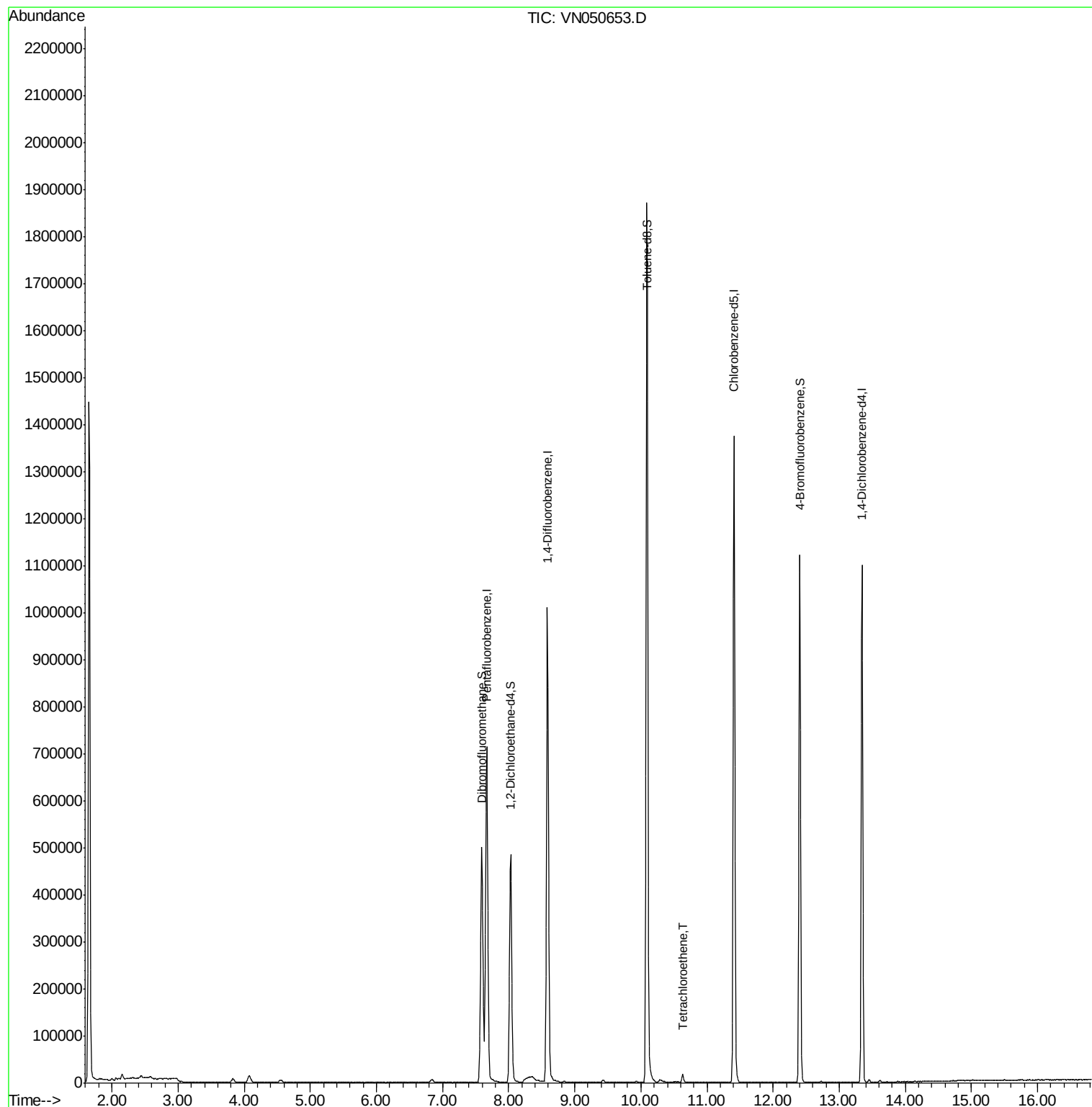
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
64) Tetrachloroethene	10.63	164	3893	0.49	ug/l	93

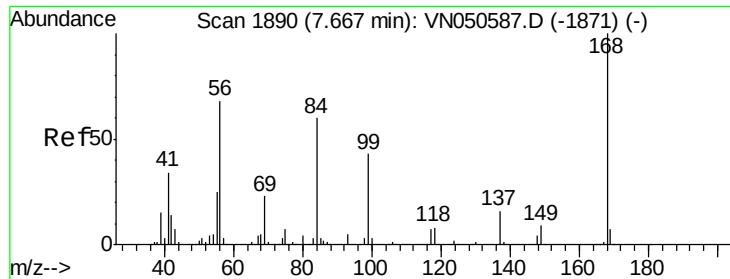
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050653.D

Acq: 15 Aug 2018 14:24

Instrument :

MSVOA_N

ClientSampleId :

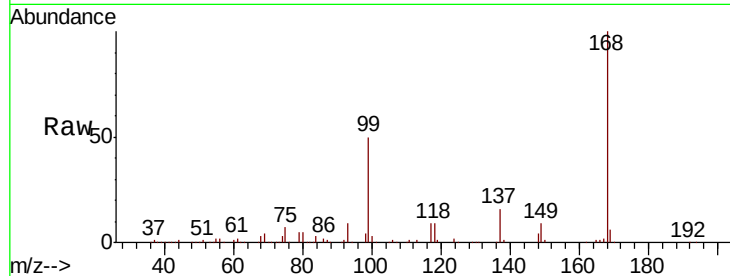
943-MW-04(23)

Tot Ion:168 Resp: 614072

Ion Ratio Lower Upper

168 100

99 50.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

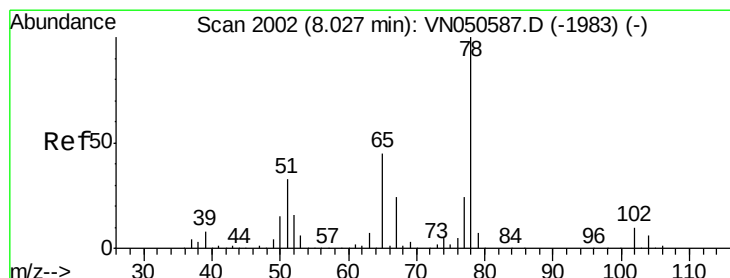
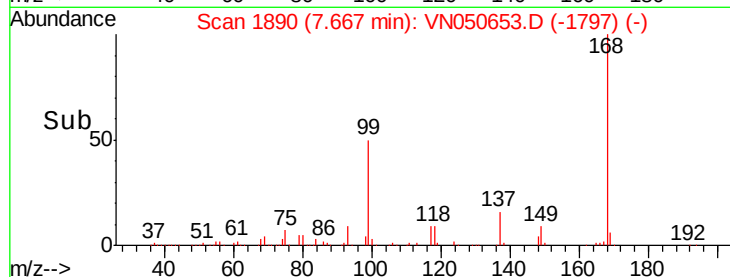
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.65 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050653.D

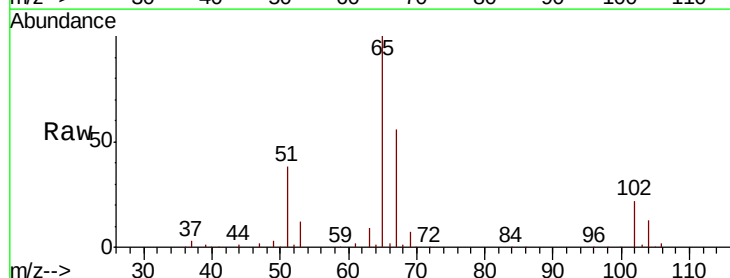
Acq: 15 Aug 2018 14:24

Tgt Ion: 65 Resp: 407522

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN050587.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050587.D (-1983) (-)

8.03

200000

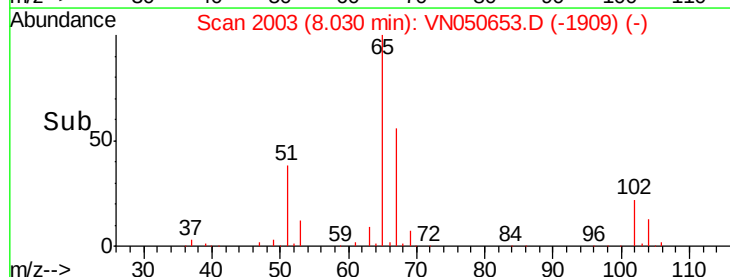
150000

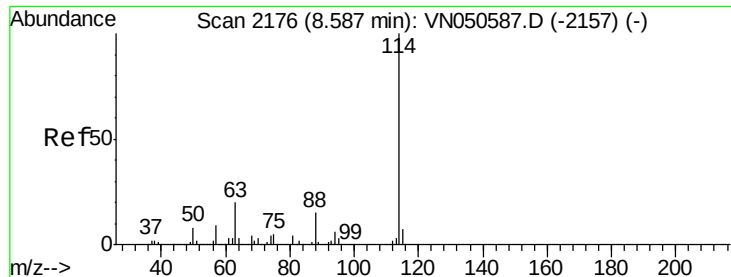
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050653.D

Acq: 15 Aug 2018 14:24

Instrument :

MSVOA_N

ClientSampleId :

943-MW-04(23)

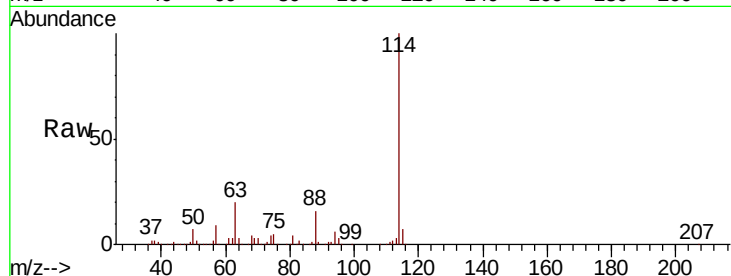
Tot Ion:114 Resp: 948885

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

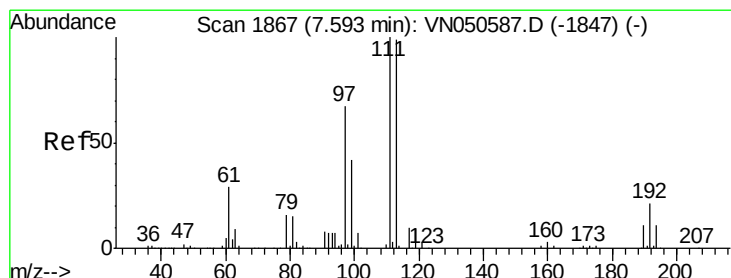
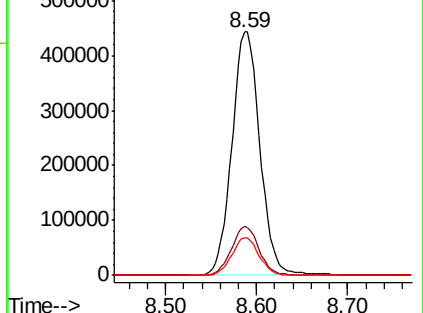
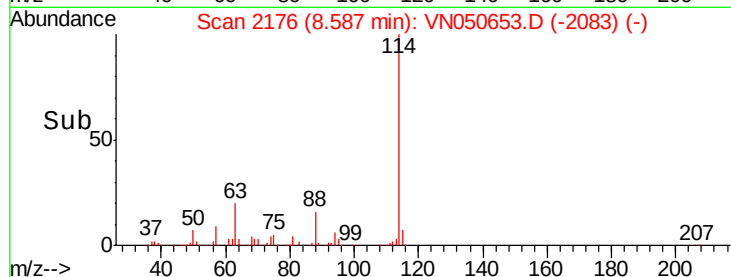
88 15.5 0.0 30.8



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: 50.49 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050653.D

Acq: 15 Aug 2018 14:24

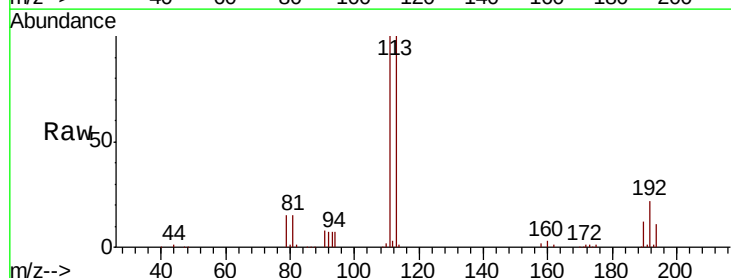
Tgt Ion:113 Resp: 382511

Ion Ratio Lower Upper

113 100

111 101.3 81.0 121.6

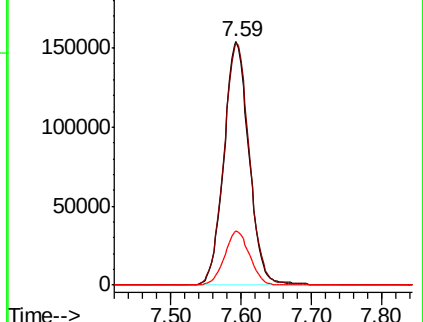
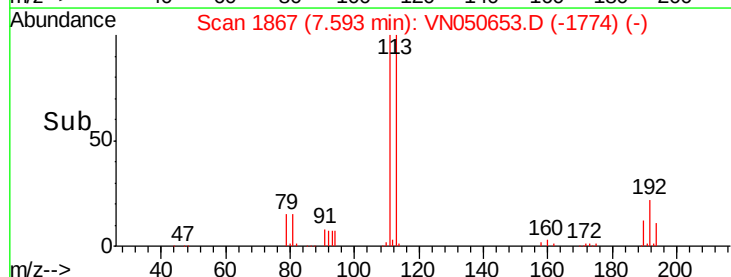
192 22.2 17.6 26.4

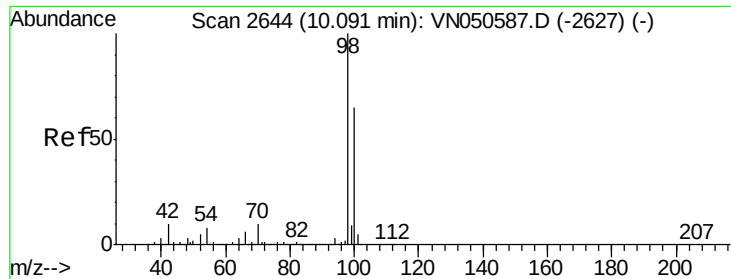


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.79 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050653.D

Acq: 15 Aug 2018 14:24

Instrument :

MSVOA_N

ClientSampleId :

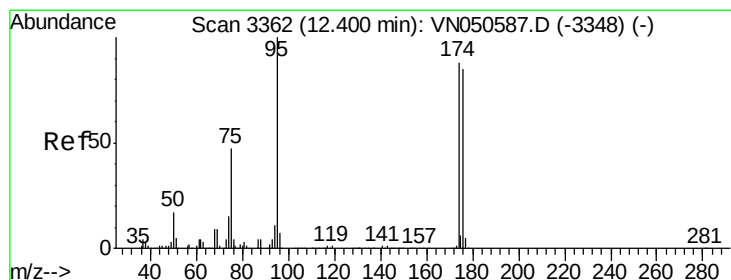
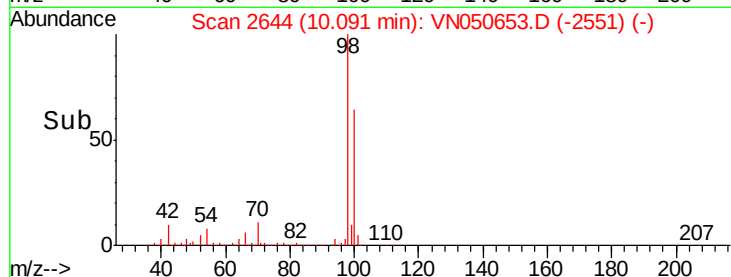
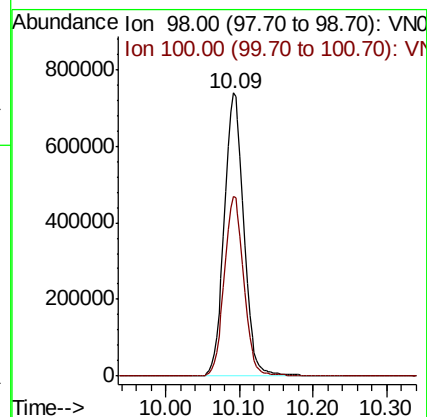
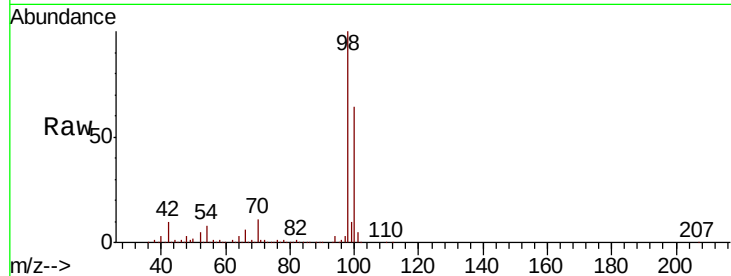
943-MW-04(23)

Tot Ion: 98 Resp: 1362460

Ion Ratio Lower Upper

98 100

100 63.3 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 40.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050653.D

Acq: 15 Aug 2018 14:24

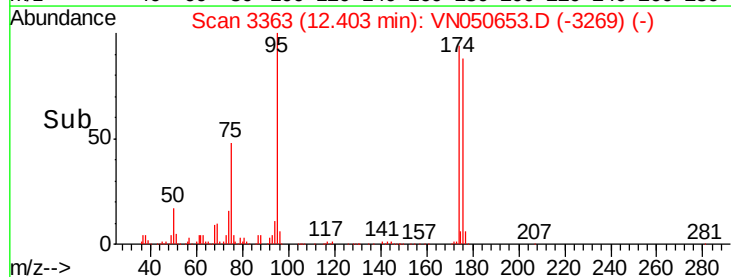
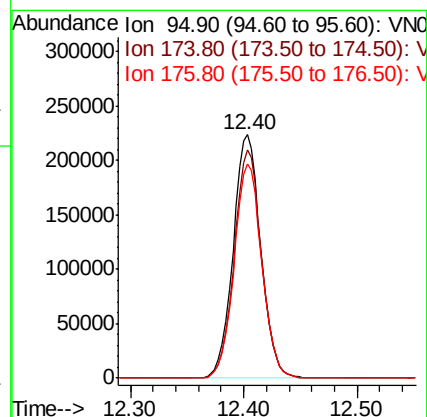
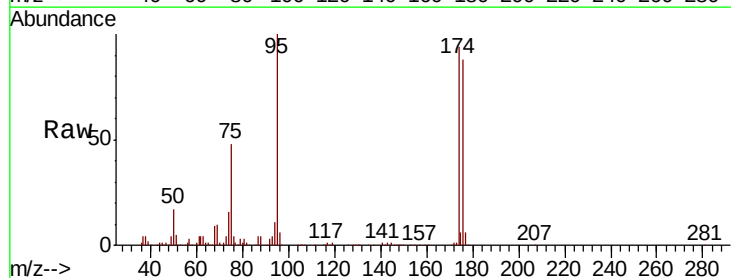
Tgt Ion: 95 Resp: 377861

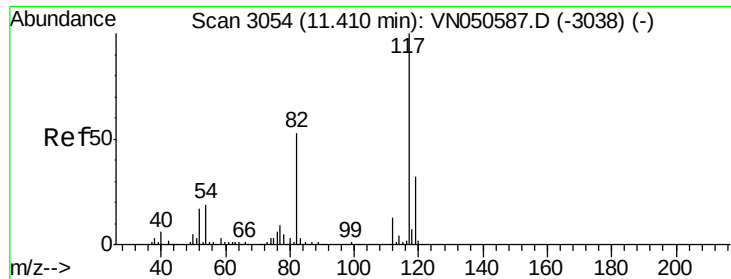
Ion Ratio Lower Upper

95 100

174 92.6 0.0 177.8

176 88.3 0.0 175.0

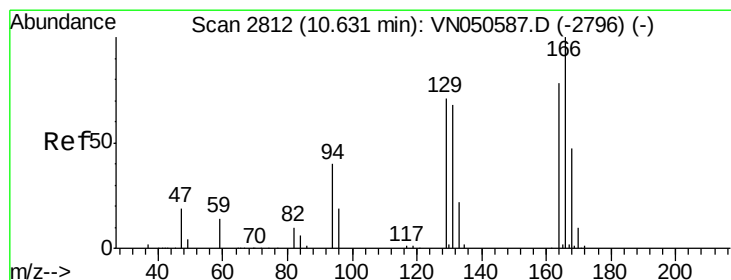
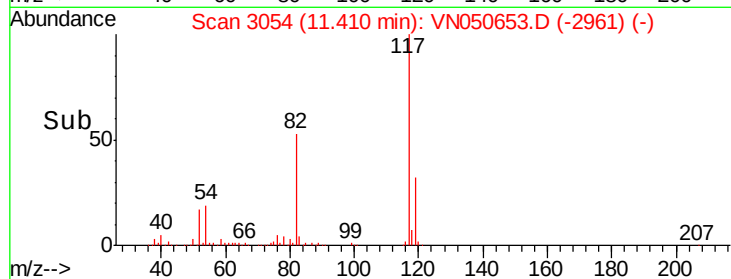
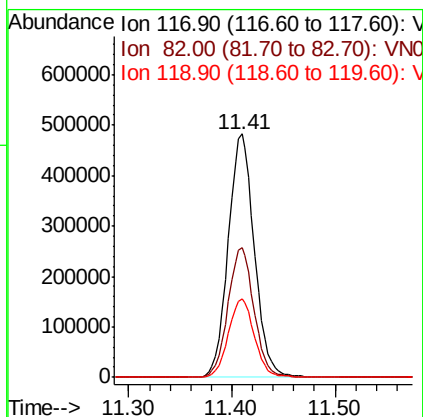
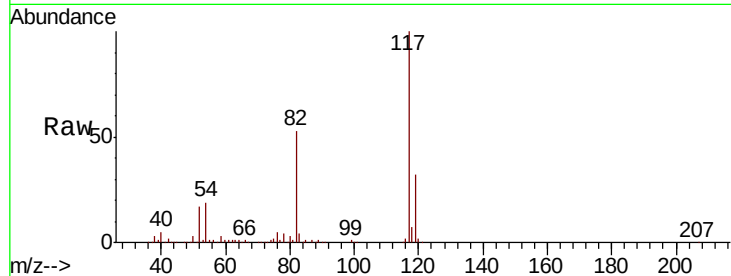




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050653.D
Acq: 15 Aug 2018 14:24

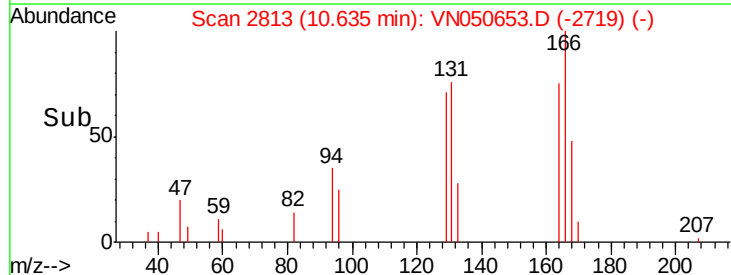
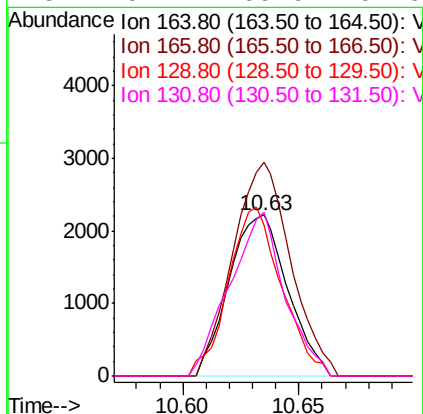
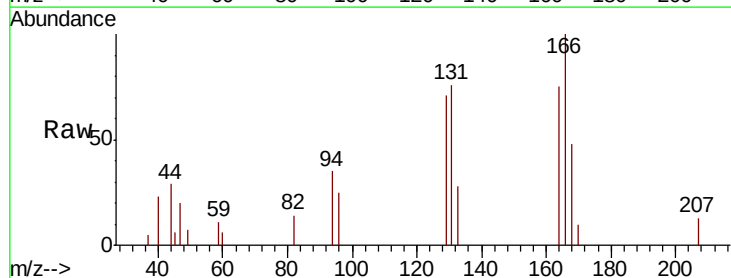
Instrument :
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943-MW-04(23)

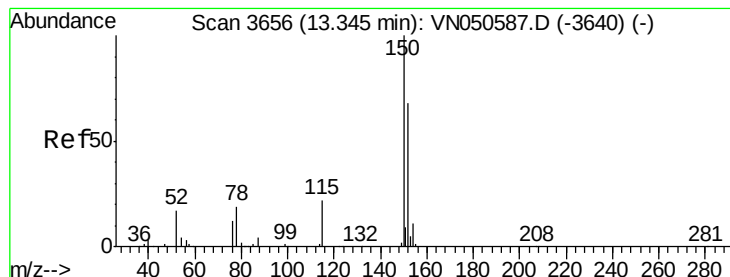
Tot Ion:117 Resp: 851637
Ion Ratio Lower Upper
117 100
82 53.3 42.4 63.6
119 32.2 25.8 38.8



#64
Tetrachloroethene
Concen: 0.49 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050653.D
Acq: 15 Aug 2018 14:24

Tgt Ion:164 Resp: 3893
Ion Ratio Lower Upper
164 100
166 132.6 102.1 153.1
129 93.7 72.7 109.1
131 101.4 69.9 104.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050653.D

Acq: 15 Aug 2018 14:24

Instrument :

MSVOA_N

ClientSampleId :

943-MW-04(23)

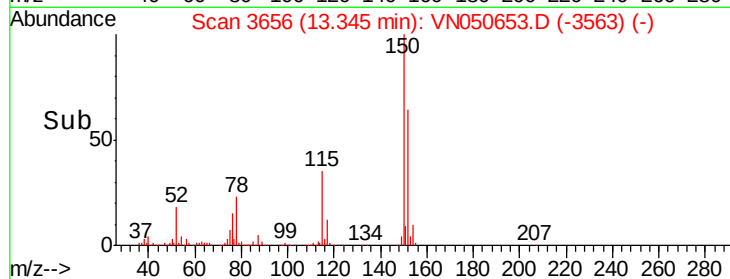
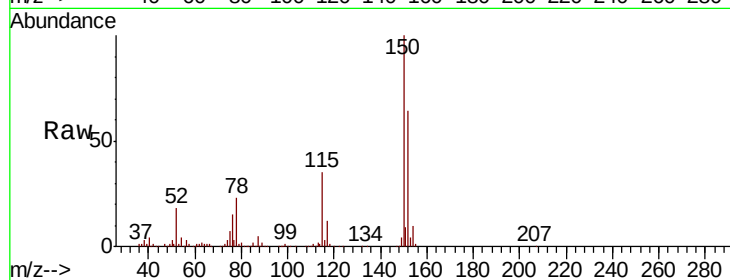
Tot Ion:152 Resp: 311081

Ion Ratio Lower Upper

152 100

115 56.2 28.1 84.2

150 157.0 0.0 347.8



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

