

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058589.D
 Acq On : 7 Oct 2019 23:46
 Operator : JC/SP
 Sample : K5197-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20B_100219

Quant Time: Oct 08 15:54:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

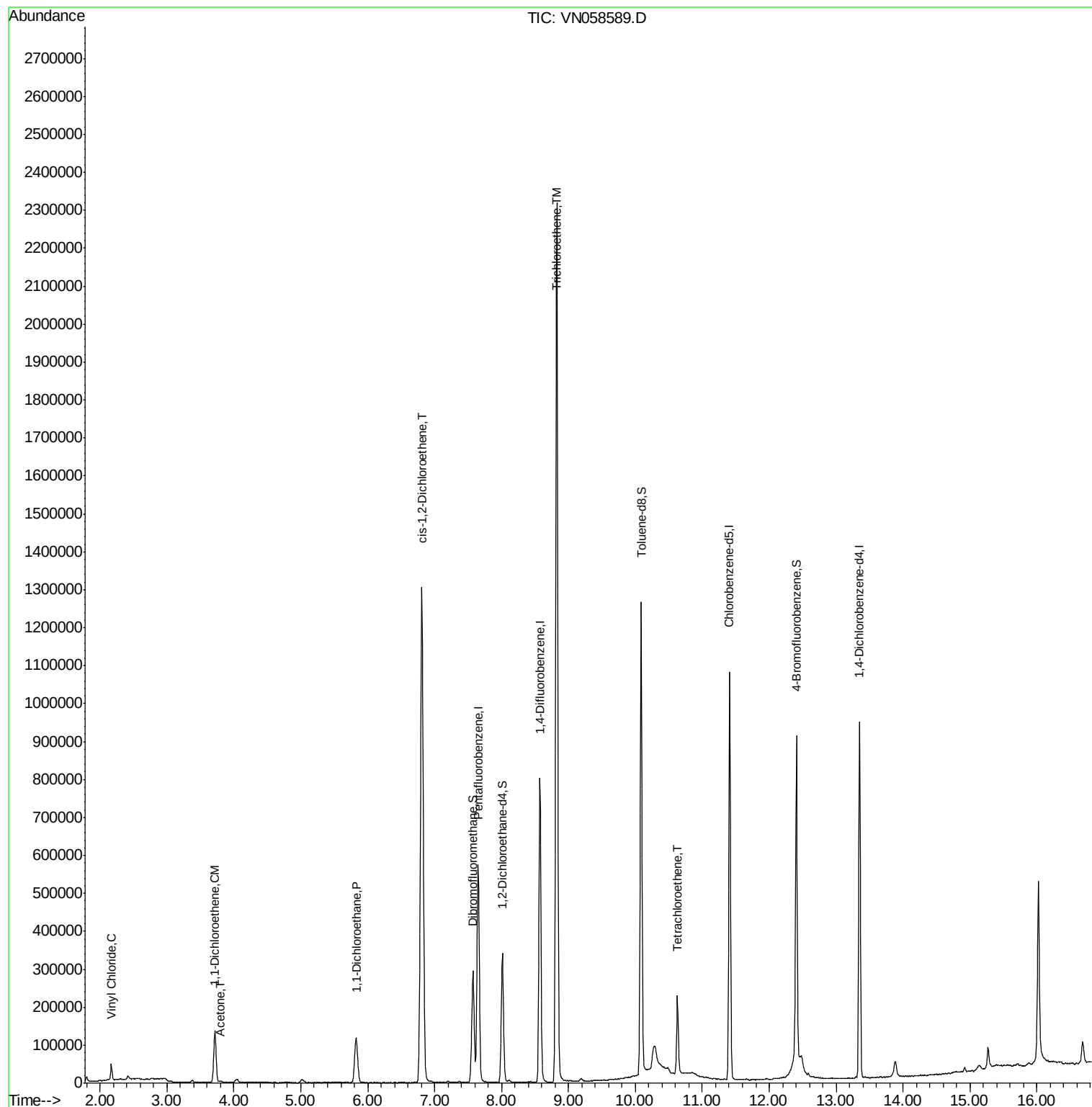
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	459316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	710026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	618326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	245669	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	299646	44.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.28%	
35) Dibromofluoromethane	7.57	113	214823	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
50) Toluene-d8	10.08	98	879394	51.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.41	95	288488	46.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.60%	
Target Compounds						
4) Vinyl Chloride	2.17	62	37276	6.872	ug/l	98
12) 1,1-Dichloroethene	3.72	96	68314	15.766	ug/l	93
16) Acetone	3.80	43	6968	3.045	ug/l	96
24) 1,1-Dichloroethane	5.83	63	185330	19.407	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	848089	150.598	ug/l	89
44) Trichloroethene	8.82	130	845021	175.361	ug/l	100
64) Tetrachloroethene	10.63	164	46448	11.824	ug/l	97

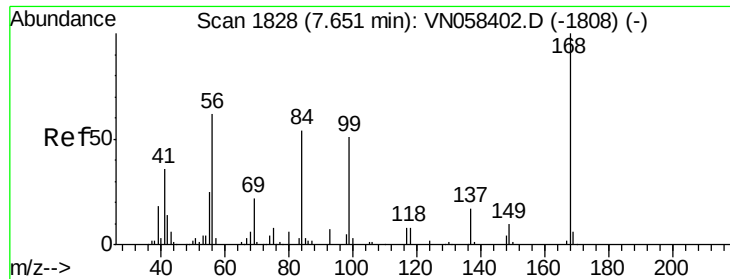
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

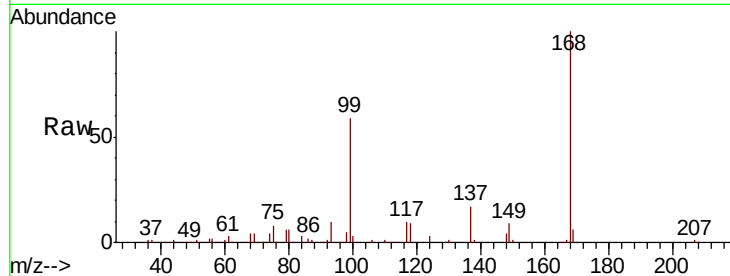
MW-20B_100219

Tot Ion:168 Resp: 459316

Ion Ratio Lower Upper

168 100

99 59.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

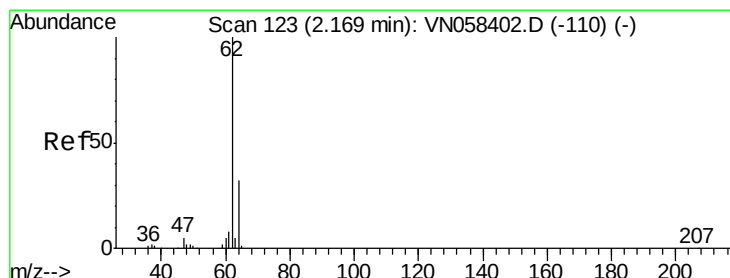
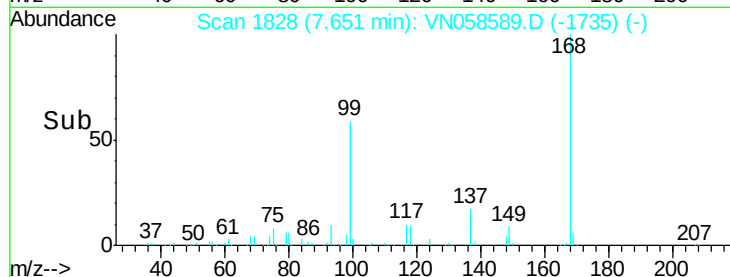
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#4

Vinyl Chloride

Concen: 6.872 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058589.D

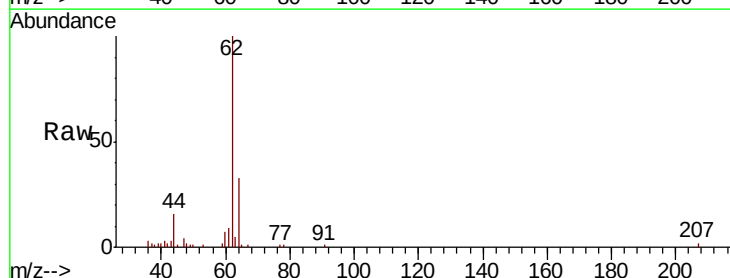
Acq: 7 Oct 2019 23:46

Tgt Ion: 62 Resp: 37276

Ion Ratio Lower Upper

62 100

64 32.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

25000

20000

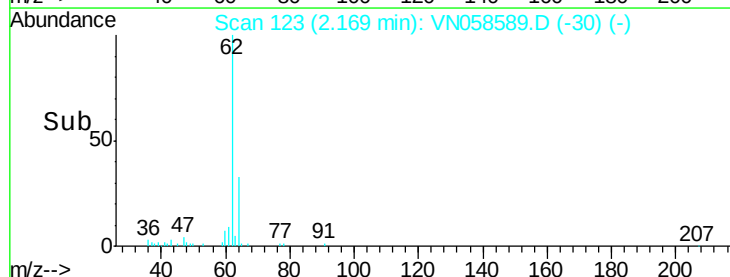
15000

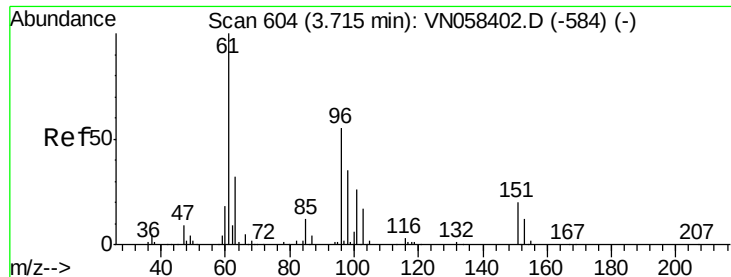
10000

5000

0

Time--> 2.10 2.15 2.20 2.25





#12

1,1-Dichloroethene

Concen: 15.766 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

MW-20B_100219

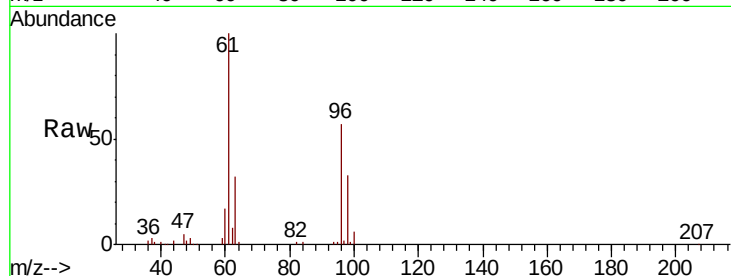
Tot Ion: 96 Resp: 68314

Ion Ratio Lower Upper

96 100

61 174.2 146.7 220.1

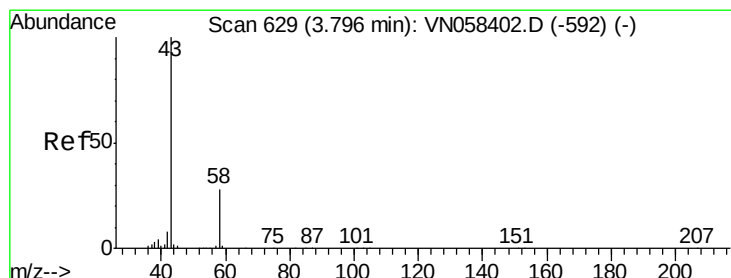
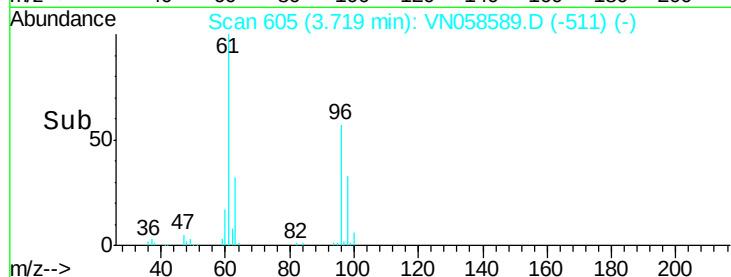
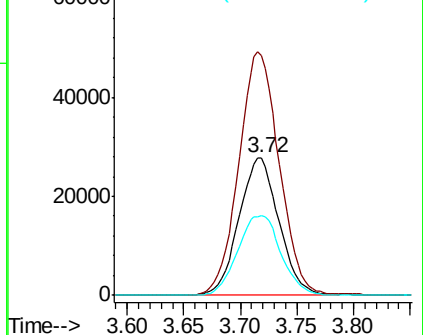
98 57.9 51.3 76.9



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#16

Acetone

Concen: 3.045 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058589.D

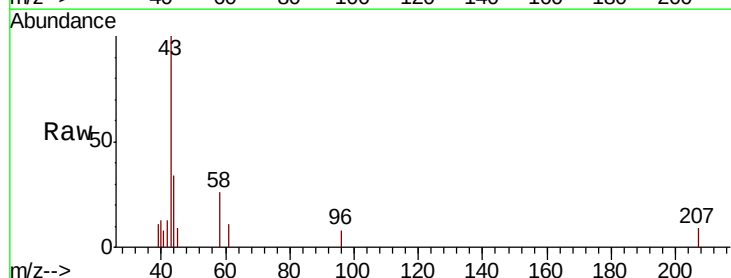
Acq: 7 Oct 2019 23:46

Tgt Ion: 43 Resp: 6968

Ion Ratio Lower Upper

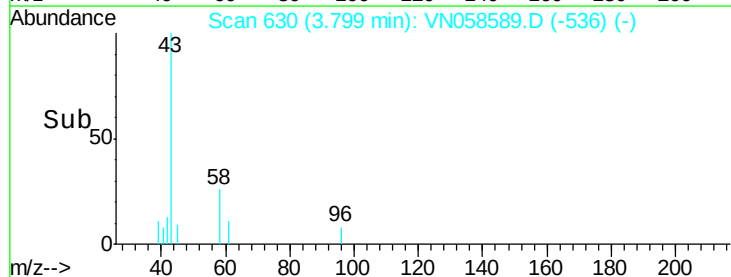
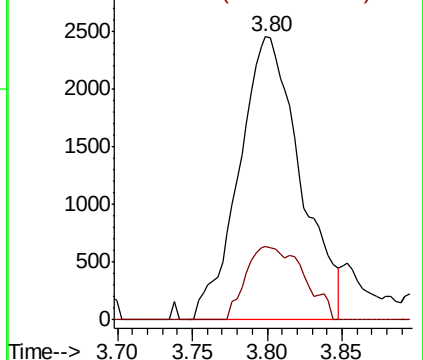
43 100

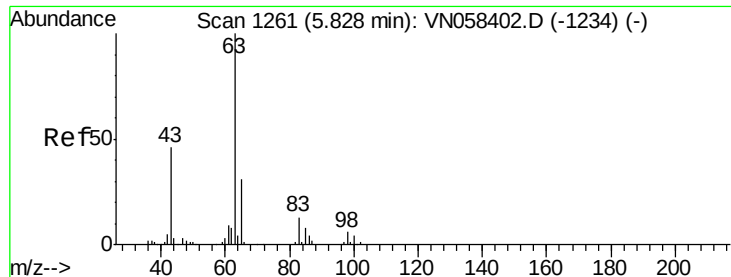
58 26.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#24

1,1-Dichloroethane

Concen: 19.407 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

MW-20B_100219

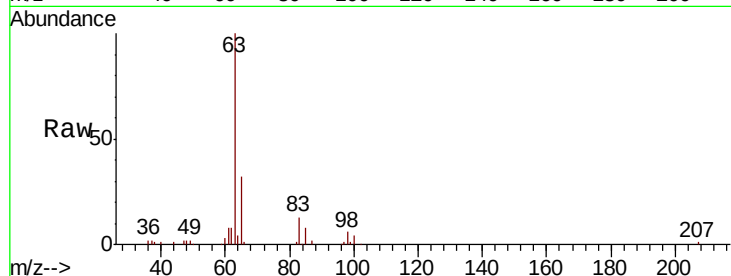
Tot Ion: 63 Resp: 185330

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.0

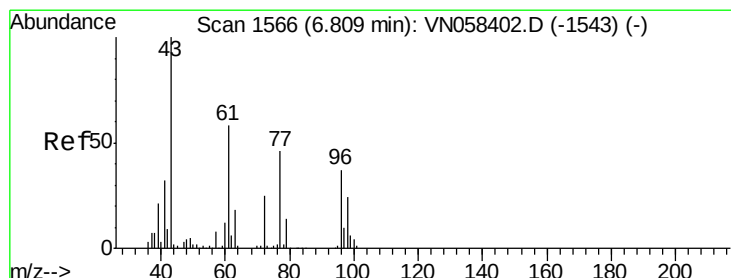
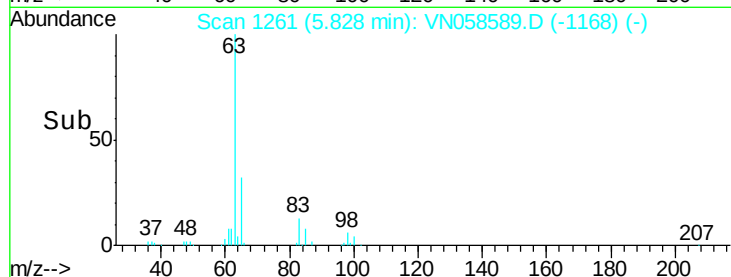
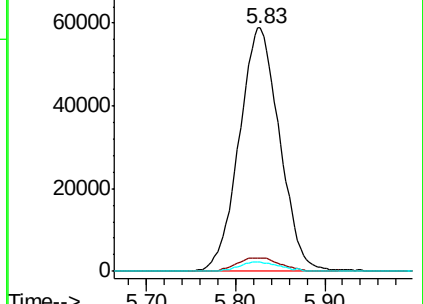
100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN058589.D (-1168) (-)

Ion 97.90 (97.60 to 98.60): VN058589.D (-1168) (-)

Ion 99.90 (99.60 to 100.60): VN058589.D (-1168) (-)



#27

cis-1,2-Dichloroethene

Concen: 150.598 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

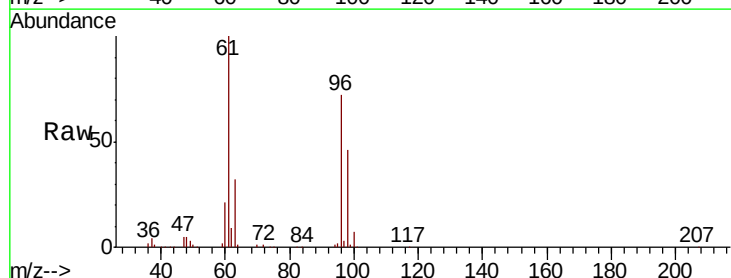
Tgt Ion: 96 Resp: 848089

Ion Ratio Lower Upper

96 100

61 139.7 0.0 318.8

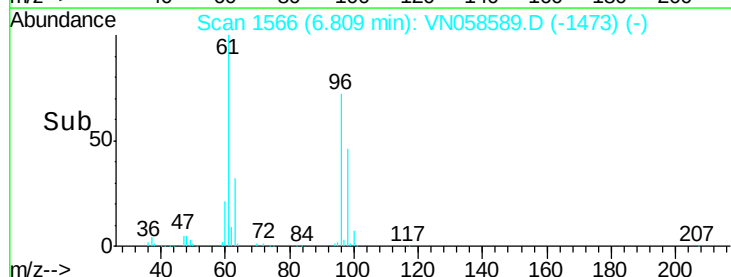
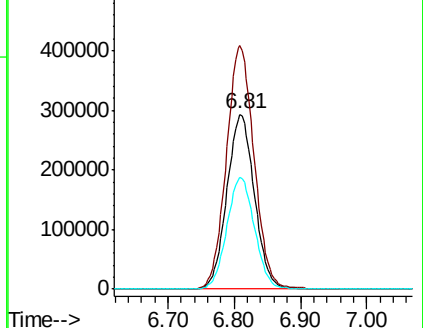
98 64.1 0.0 129.8

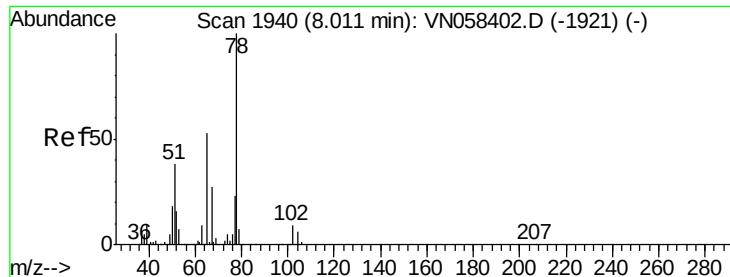


Abundance Ion 95.90 (95.60 to 96.60): VN058589.D (-1473) (-)

Ion 60.90 (60.60 to 61.60): VN058589.D (-1473) (-)

Ion 97.90 (97.60 to 98.60): VN058589.D (-1473) (-)

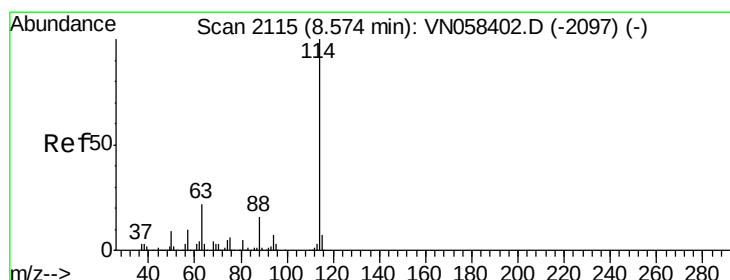
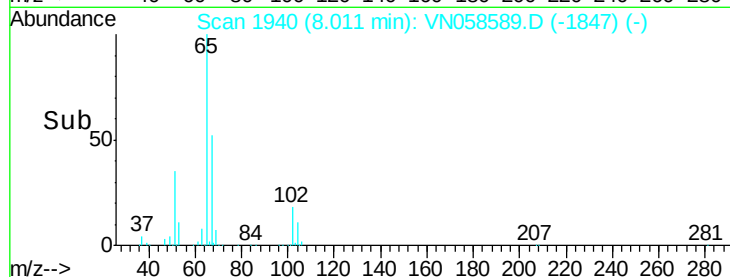
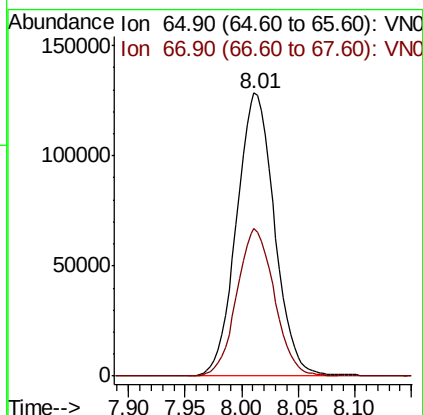
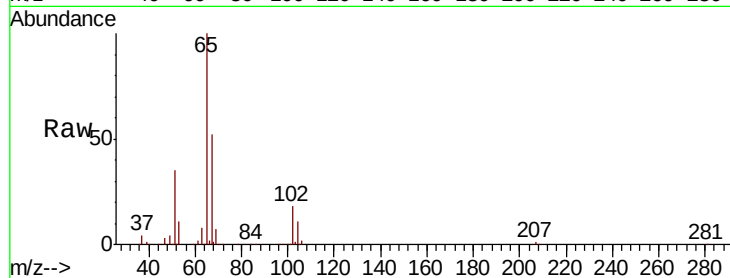




#33
 1,2-Dichloroethane-d4
 Concen: 44.642 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

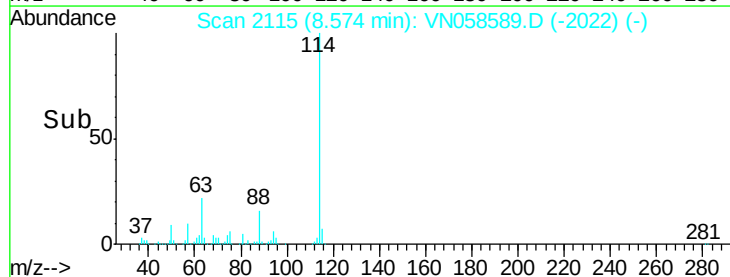
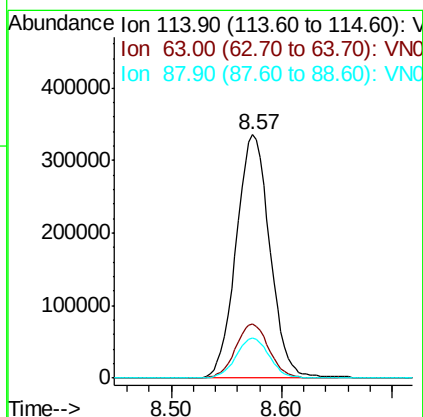
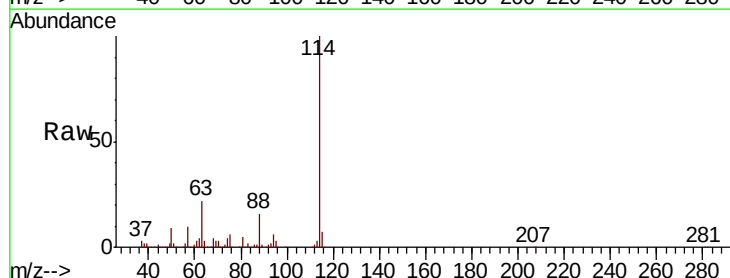
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20B_100219

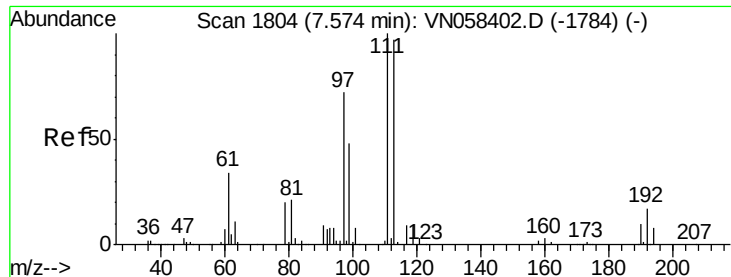
Tot Ion: 65 Resp: 299646
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

Tgt Ion: 114 Resp: 710026
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.0
 88 16.5 0.0 32.2

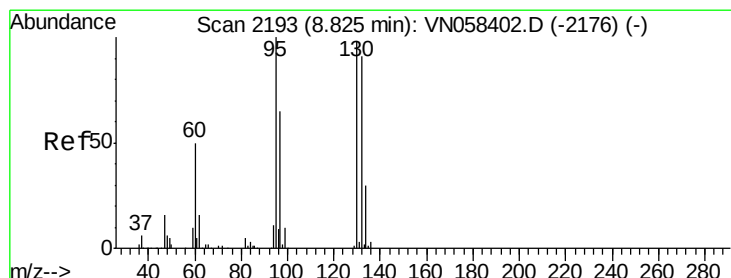
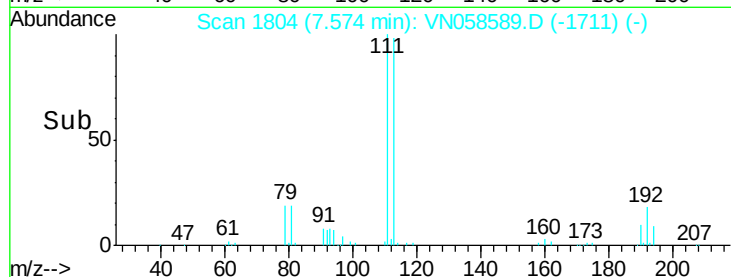
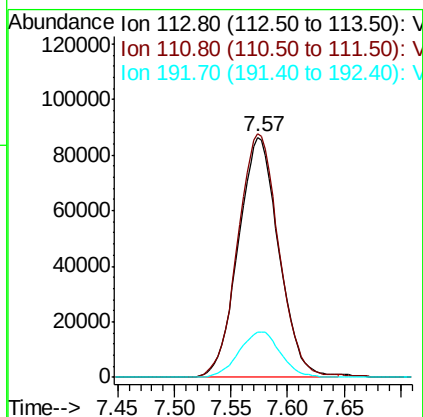
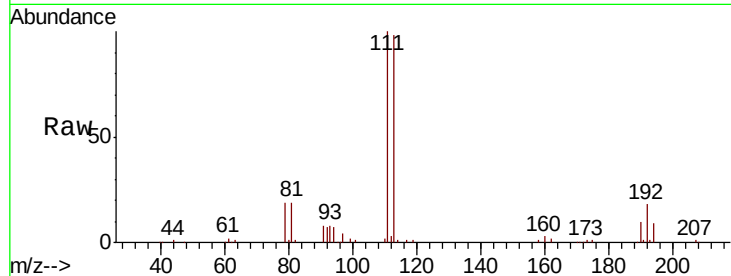




#35
 Dibromofluoromethane
 Concen: 49.366 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

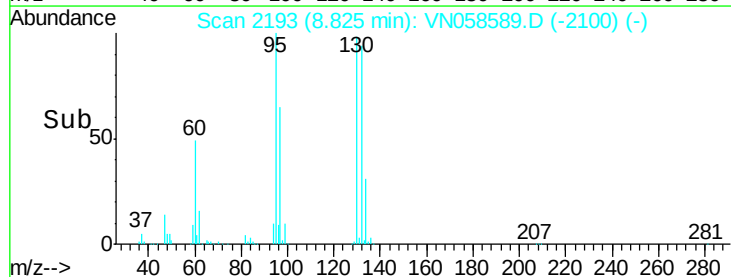
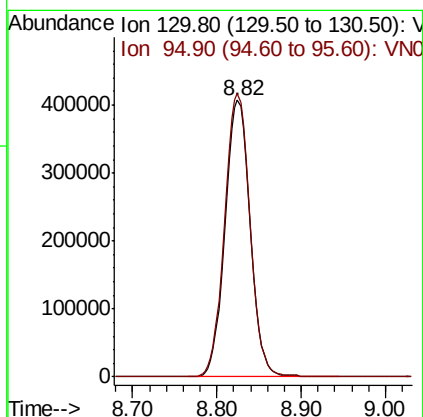
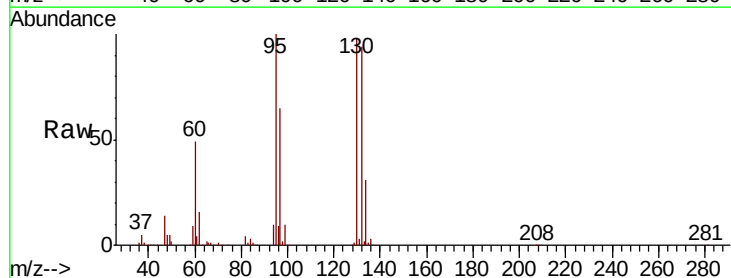
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20B_100219

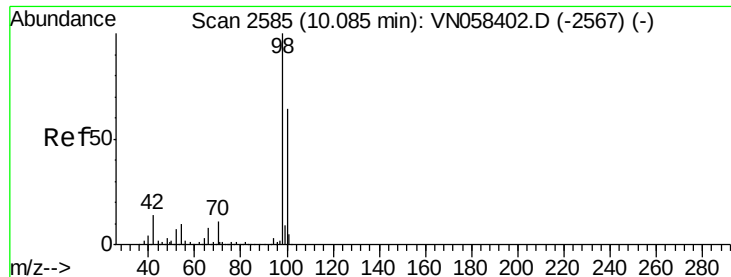
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.4	125.2
192	19.5	14.9	22.3



#44
 Trichloroethene
 Concen: 175.361 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	204.2





#50

Toluene-d8

Concen: 51.585 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

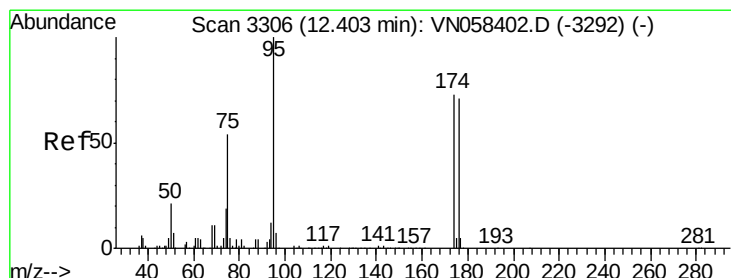
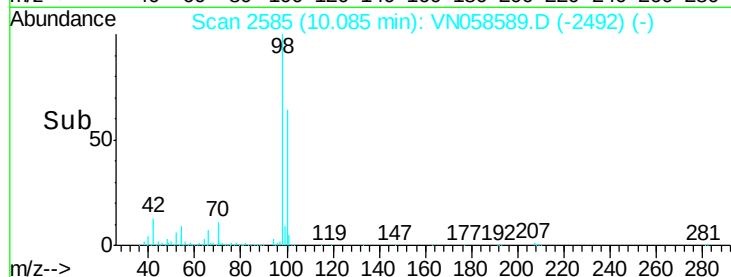
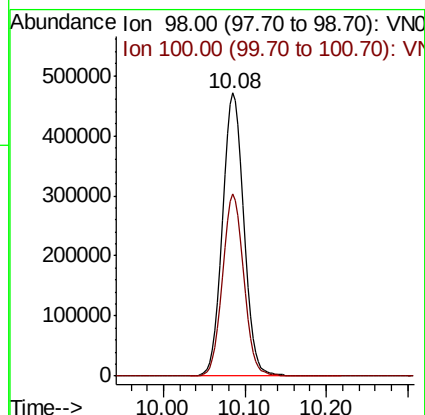
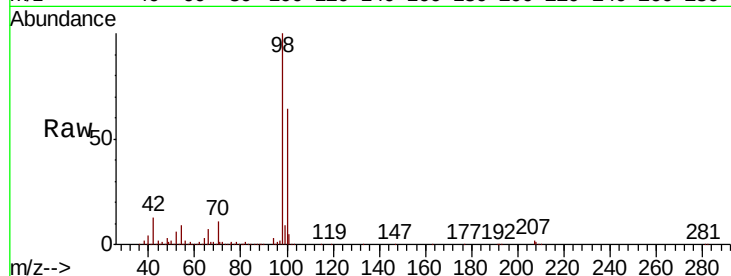
MW-20B_100219

Tot Ion: 98 Resp: 879394

Ion Ratio Lower Upper

98 100

100 63.9 51.0 76.6



#62

4-Bromofluorobenzene

Concen: 46.802 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

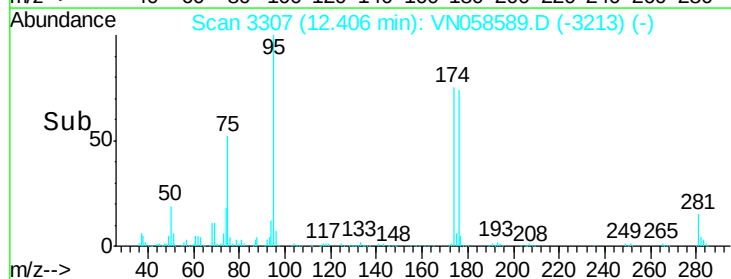
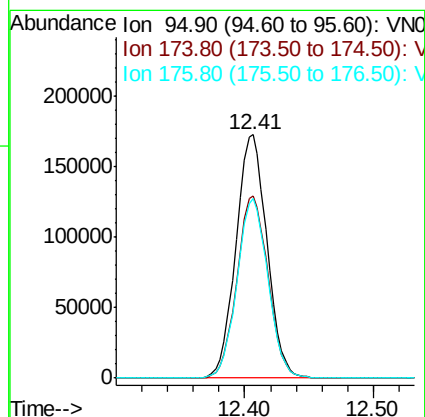
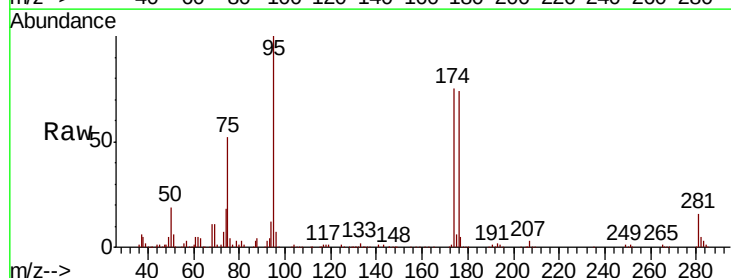
Tgt Ion: 95 Resp: 288488

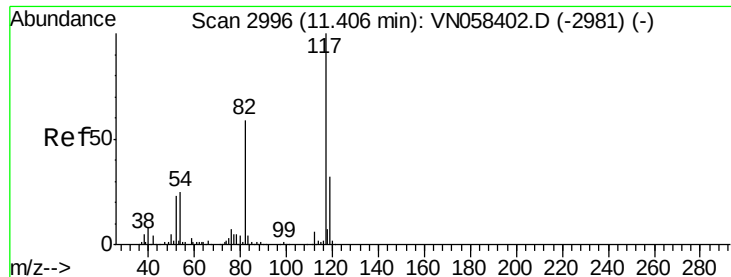
Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.6

176 73.3 0.0 146.2

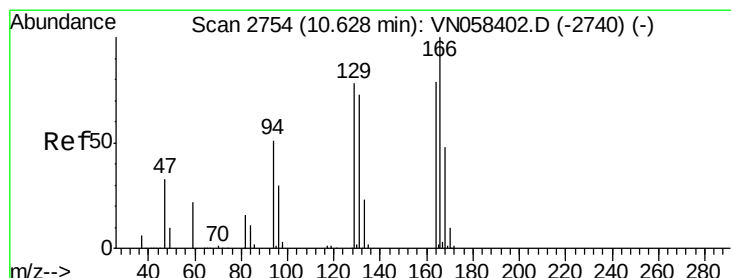
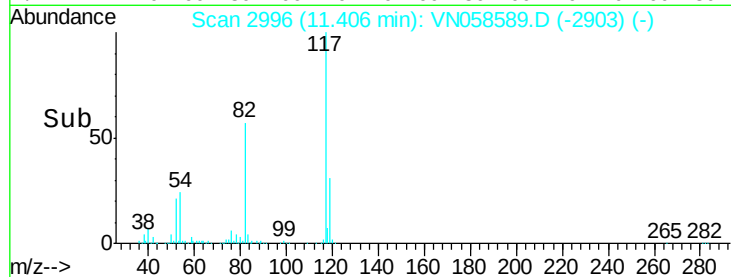
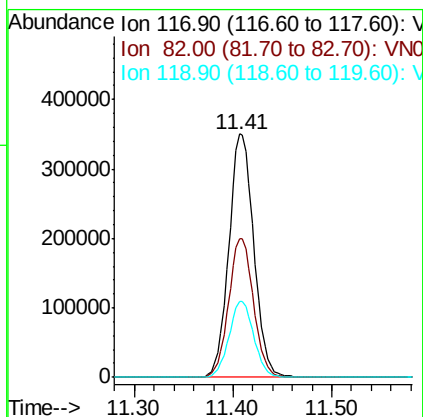
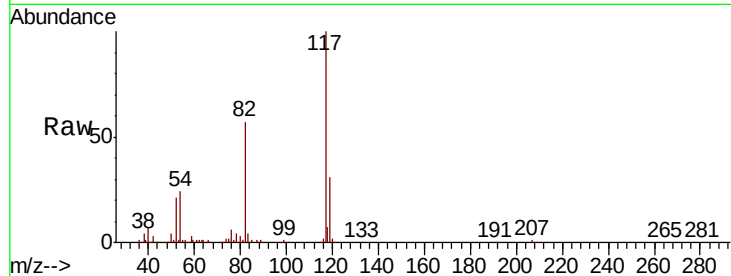




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058589.D
Acq: 7 Oct 2019 23:46

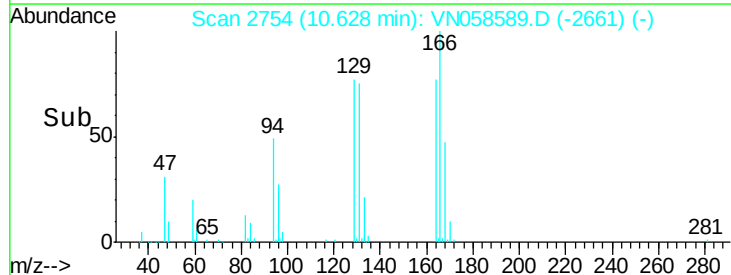
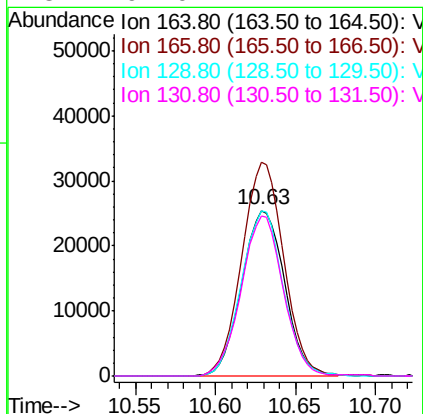
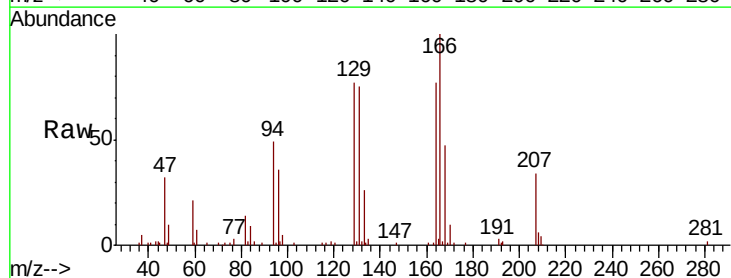
Instrument :
MSVOA_N
ClientSampleId :
MW-20B_100219

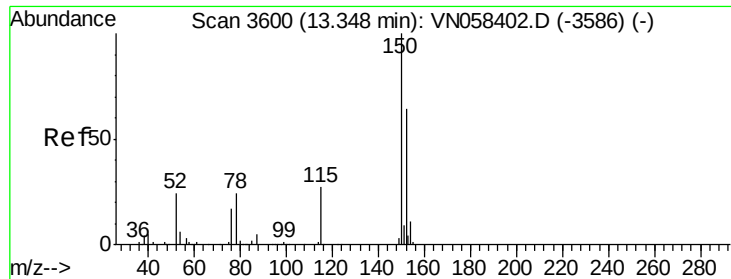
Tot Ion:117 Resp: 618326
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.0
119 31.0 25.5 38.3



#64
Tetrachloroethene
Concen: 11.824 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058589.D
Acq: 7 Oct 2019 23:46

Tgt Ion:164 Resp: 46448
Ion Ratio Lower Upper
164 100
166 129.3 101.1 151.7
129 99.8 79.2 118.8
131 97.0 74.1 111.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

MW-20B_100219

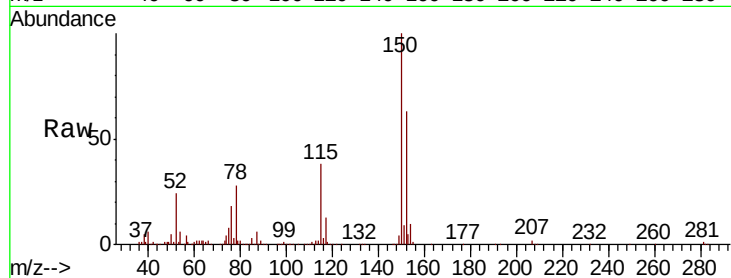
Tot Ion:152 Resp: 245669

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

150 157.0 0.0 348.2



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

