

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058543.D
 Acq On : 4 Oct 2019 16:09
 Operator : JC/SP
 Sample : K5169-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9R 100119

Quant Time: Oct 05 03:31:50 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

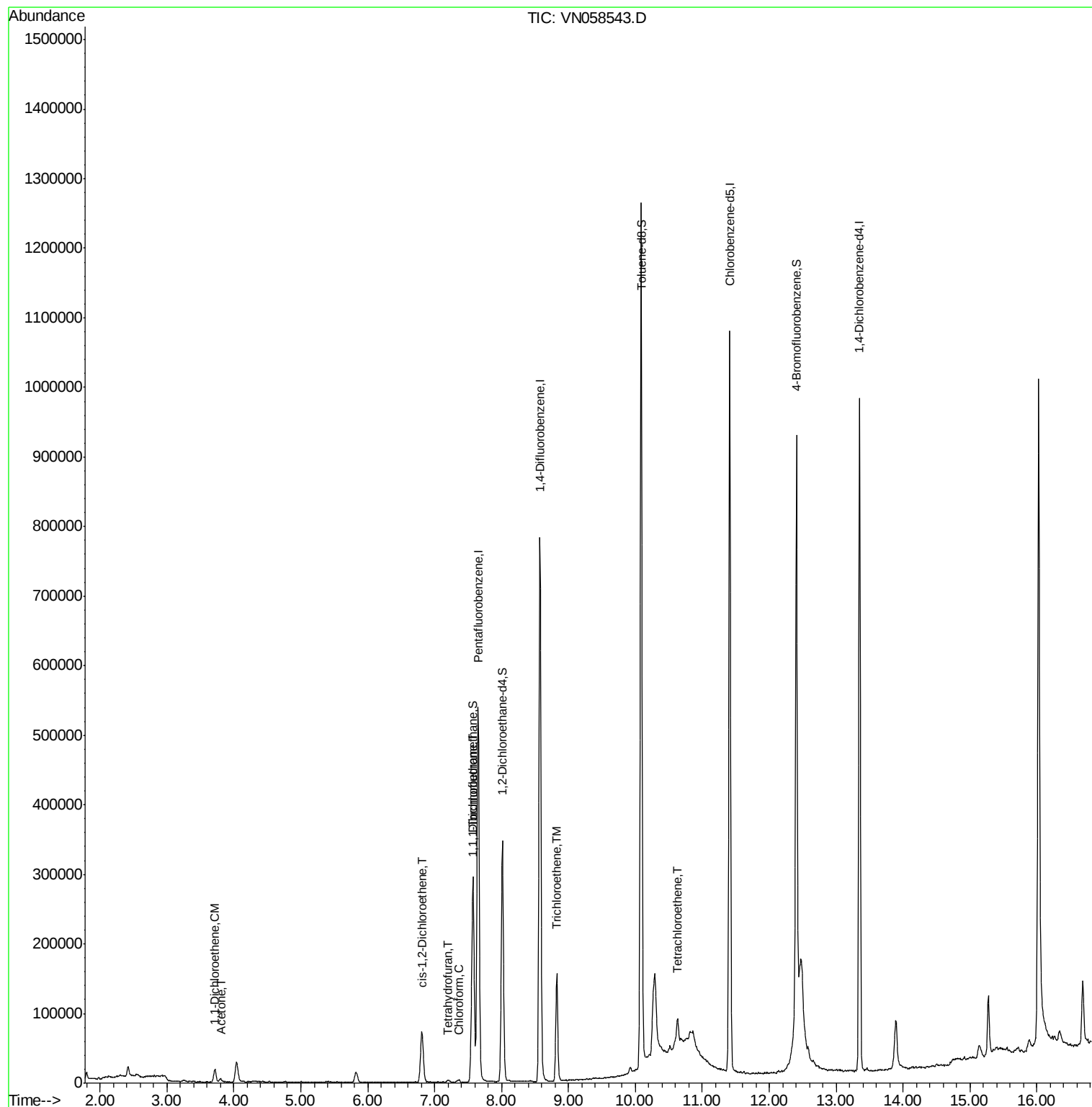
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	425183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	687405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	593598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	240949	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	296388	47.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.40%	
35) Dibromofluoromethane	7.57	113	208609	49.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.04%	
50) Toluene-d8	10.08	98	854228	51.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.41	95	279114	46.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.54%	
Target Compounds						
12) 1,1-Dichloroethene	3.72	96	9407	2.345	ug/l	91
16) Acetone	3.80	43	9042	4.269	ug/l	96
27) cis-1,2-Dichloroethene	6.81	96	48185	9.243	ug/l	85
29) Tetrahydrofuran	7.21	42	2306	1.249	ug/l #	57
30) Chloroform	7.36	83	3705	0.414	ug/l	88
32) 1,1,1-Trichloroethane	7.55	97	26999	3.670	ug/l	98
44) Trichloroethene	8.83	130	53858	11.545	ug/l	98
64) Tetrachloroethene	10.62	164	7870	2.087	ug/l	91

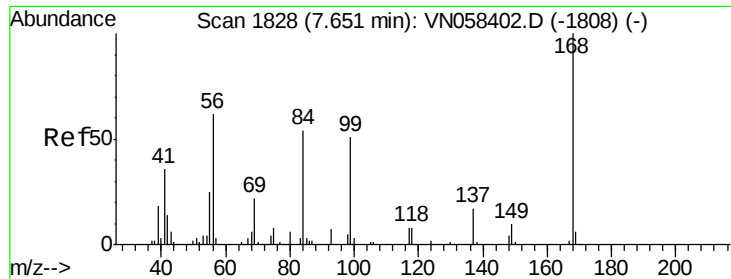
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100419\
Data File : VN058543.D
Acq On : 4 Oct 2019 16:09
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Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
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: VN058543.D

Acq: 4 Oct 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

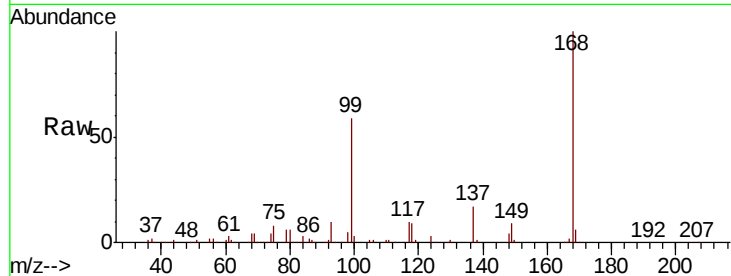
MW-9R 100119

Tot Ion:168 Resp: 425183

Ion Ratio Lower Upper

168 100

99 59.1 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

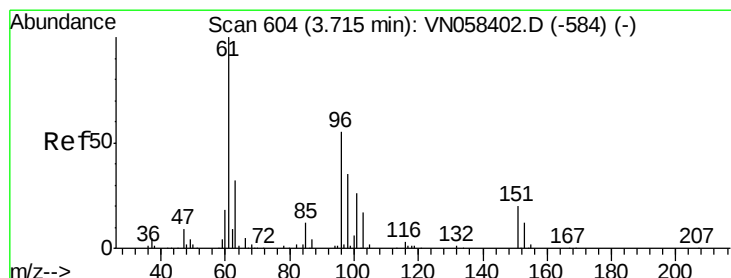
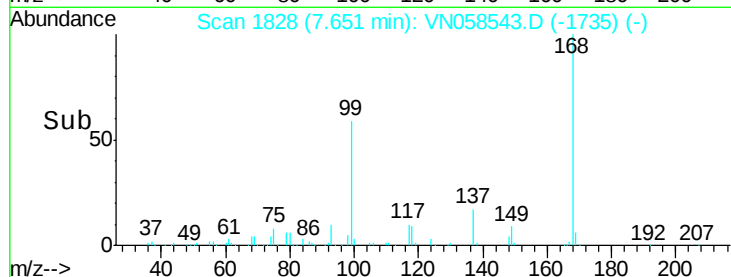
100000

50000

0

7.60 7.70 7.80

Time-->



#12

1,1-Dichloroethene

Concen: 2.345 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN058543.D

Acq: 4 Oct 2019 16:09

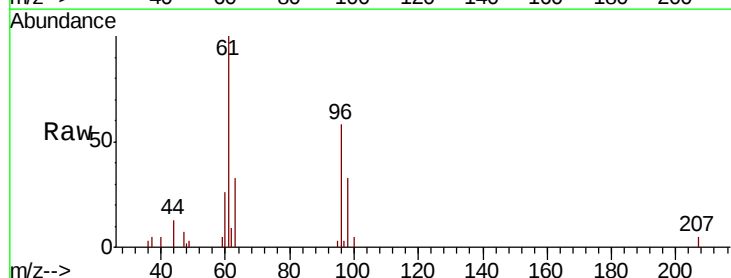
Tgt Ion: 96 Resp: 9407

Ion Ratio Lower Upper

96 100

61 171.1 146.7 220.1

98 56.8 51.3 76.9



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

8000

6000

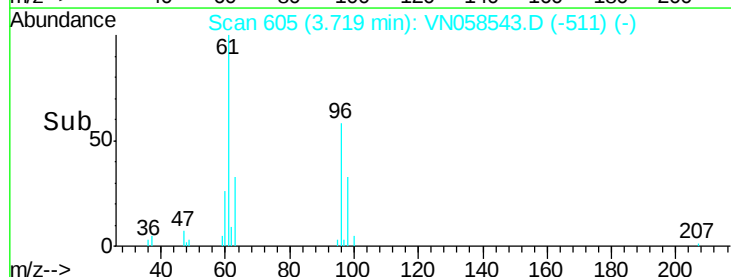
4000

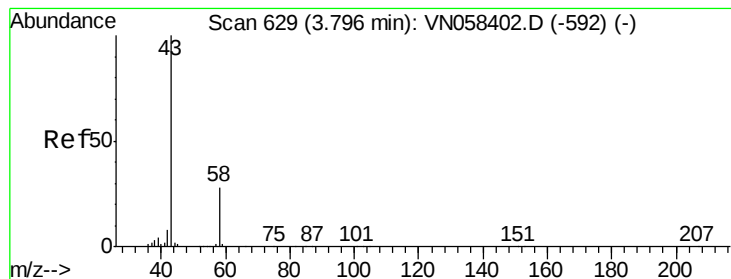
2000

0

3.65 3.70 3.75 3.80

Time-->





#16

Acetone

Concen: 4.269 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058543.D

Acq: 4 Oct 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

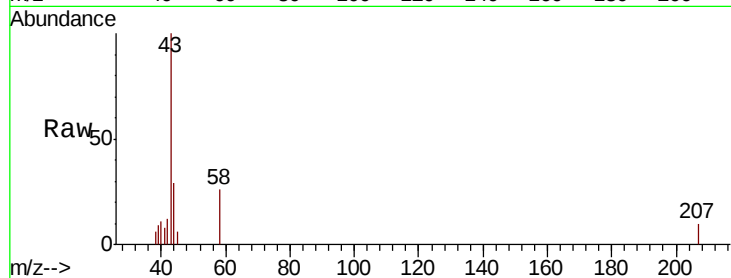
MW-9R 100119

Tot Ion: 43 Resp: 9042

Ion Ratio Lower Upper

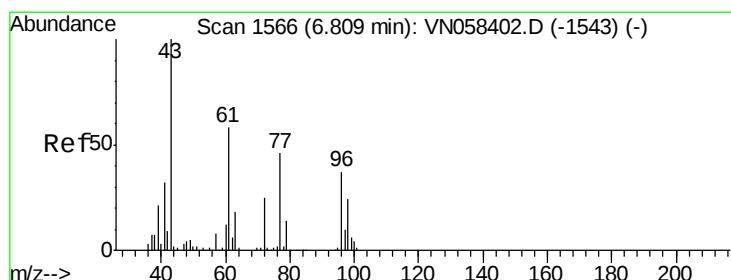
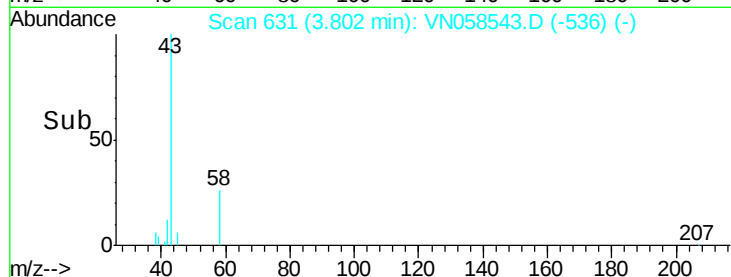
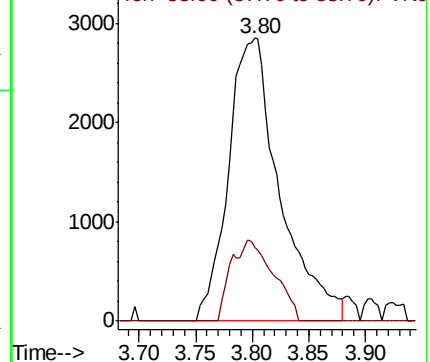
43 100

58 26.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#27

cis-1,2-Dichloroethene

Concen: 9.243 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058543.D

Acq: 4 Oct 2019 16:09

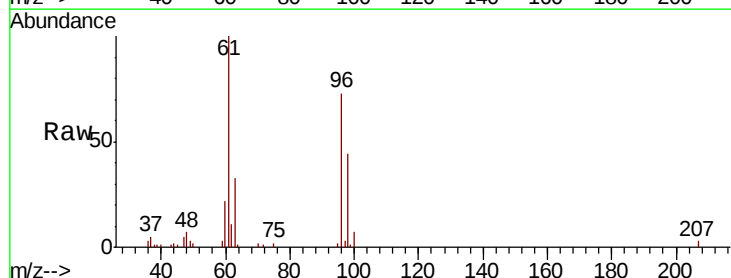
Tgt Ion: 96 Resp: 48185

Ion Ratio Lower Upper

96 100

61 133.5 0.0 318.8

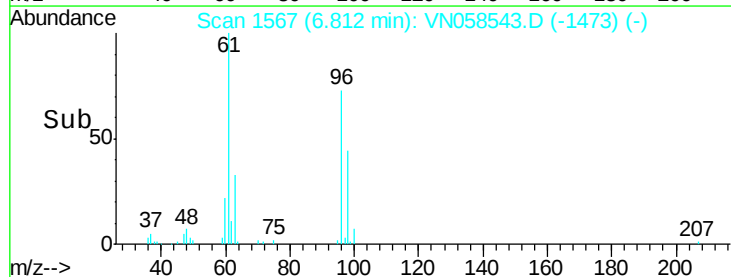
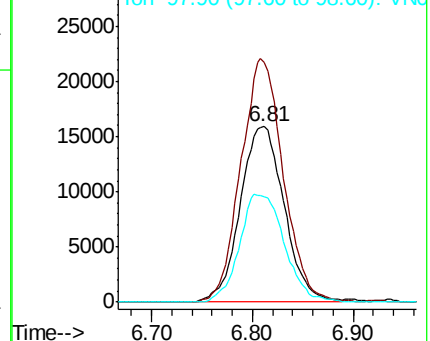
98 62.5 0.0 129.8

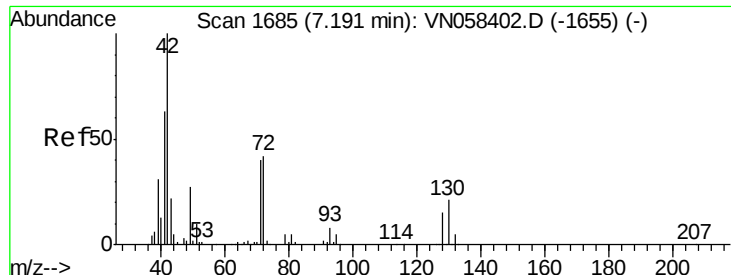


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#29

Tetrahydrofuran

Concen: 1.249 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.02 min

Lab File: VN058543.D

Acq: 4 Oct 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

MW-9R 100119

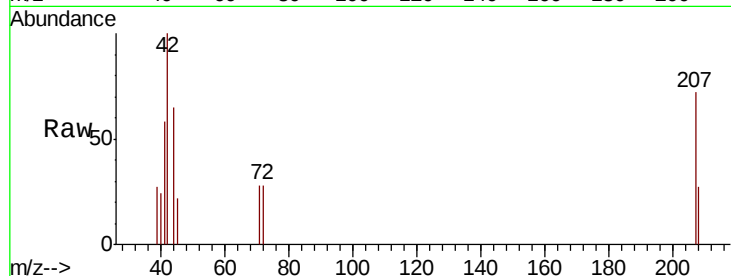
Tot Ion: 42 Resp: 2306

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

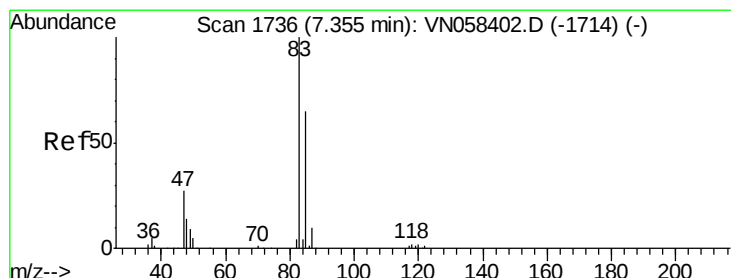
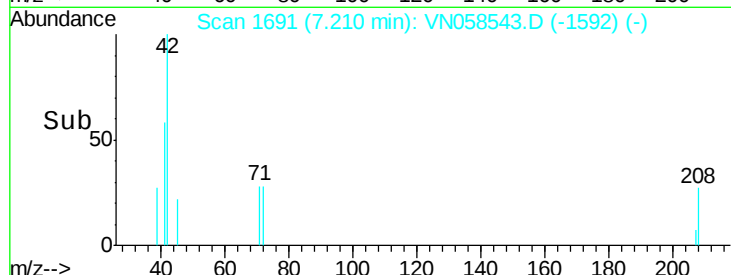
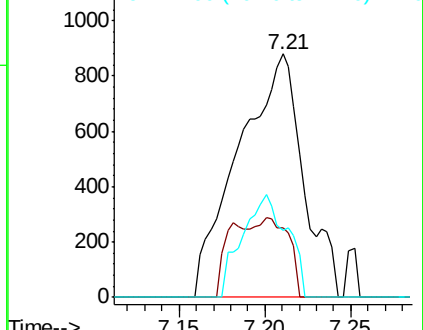
71 29.1 31.8 47.6#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.414 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058543.D

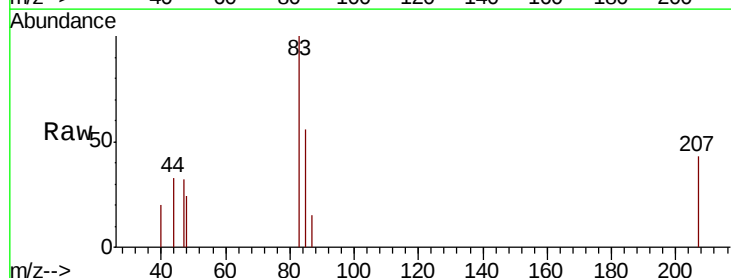
Acq: 4 Oct 2019 16:09

Tgt Ion: 83 Resp: 3705

Ion Ratio Lower Upper

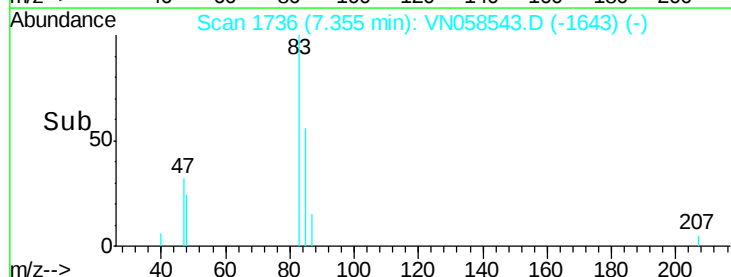
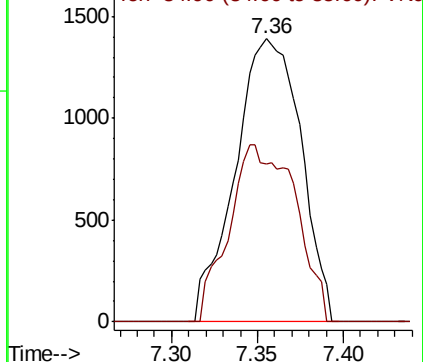
83 100

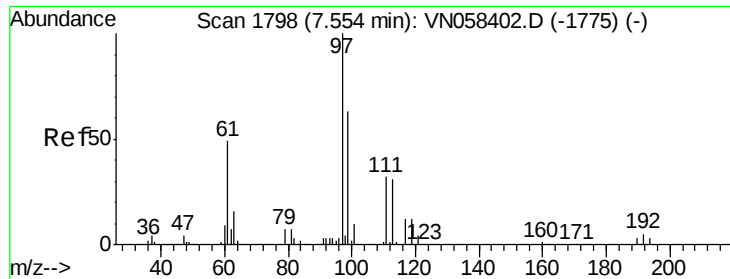
85 55.8 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#32

1,1,1-Trichloroethane

Concen: 3.670 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058543.D

Acq: 4 Oct 2019 16:09

Instrument :

MSVOA_N

ClientSampled :

MW-9R 100119

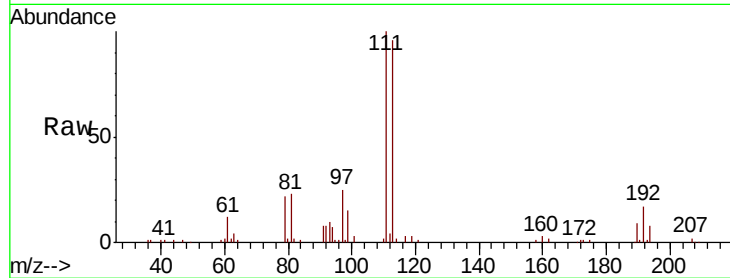
Tot Ion: 97 Resp: 26999

Ion Ratio Lower Upper

97 100

99 65.3 51.1 76.7

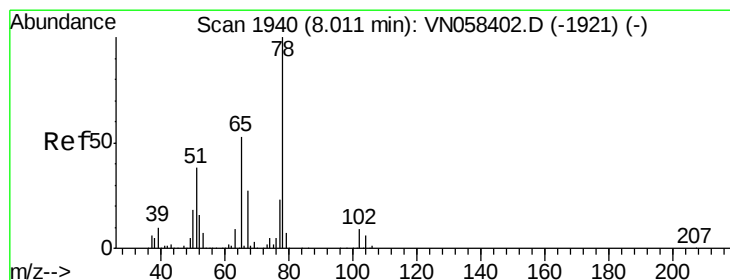
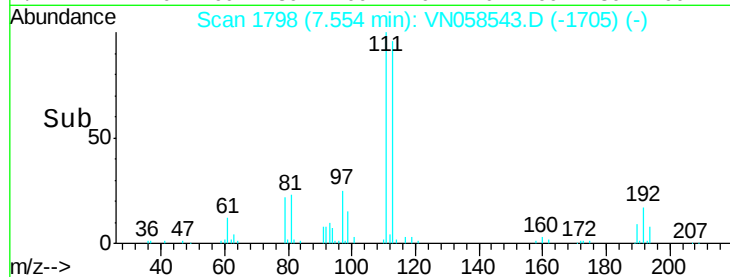
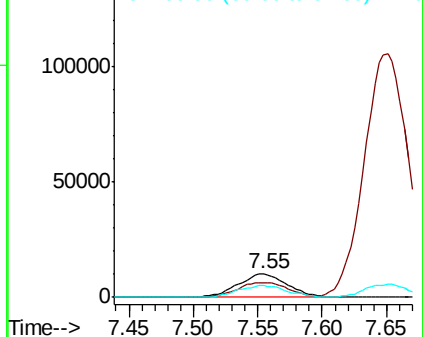
61 51.2 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VN058543.D (-1705) (-)

Ion 98.90 (98.60 to 99.60): VN058543.D (-1705) (-)

Ion 60.90 (60.60 to 61.60): VN058543.D (-1705) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.702 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058543.D

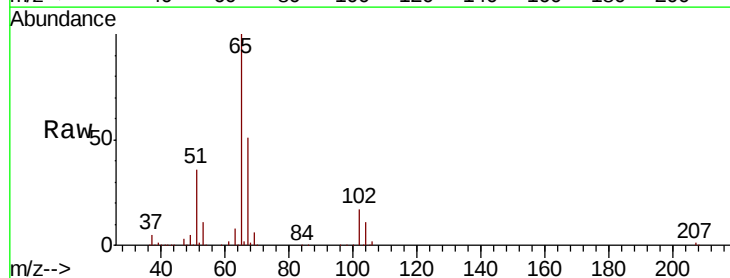
Acq: 4 Oct 2019 16:09

Tgt Ion: 65 Resp: 296388

Ion Ratio Lower Upper

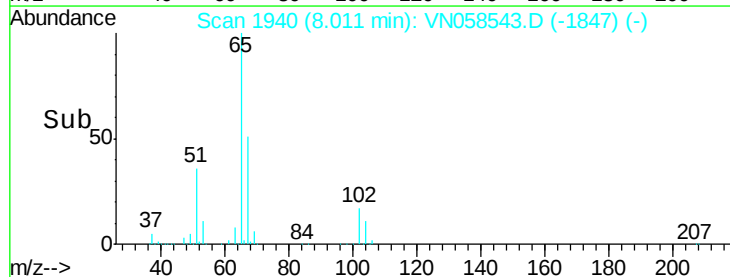
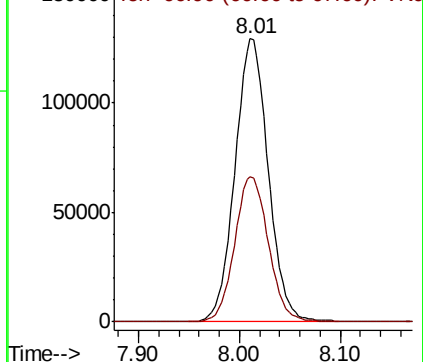
65 100

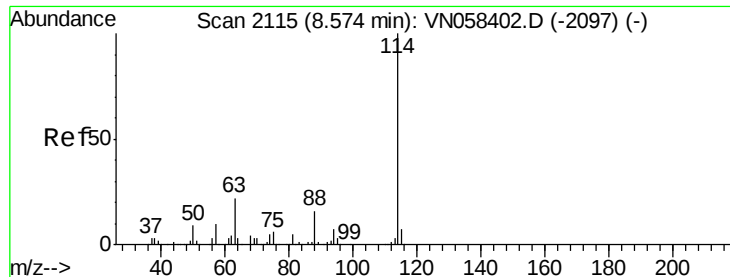
67 52.1 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058543.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058543.D (-1847) (-)

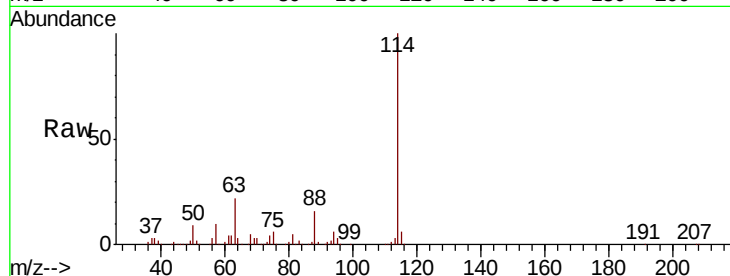




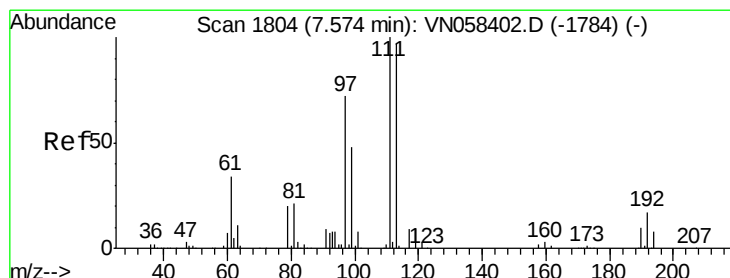
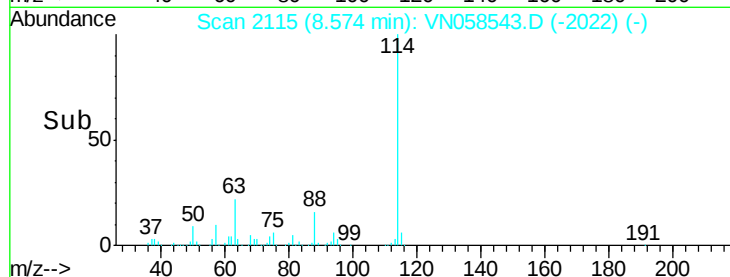
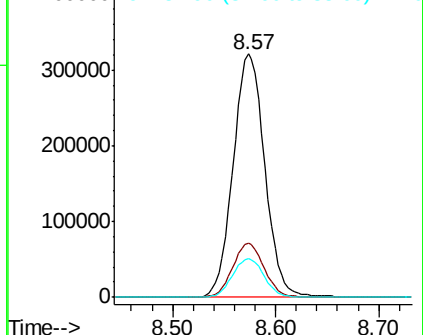
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058543.D
Acq: 4 Oct 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
MW-9R_100119

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	45.0
88	16.0	0.0	32.2

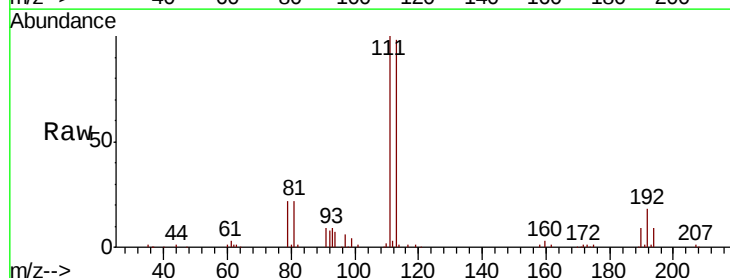


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

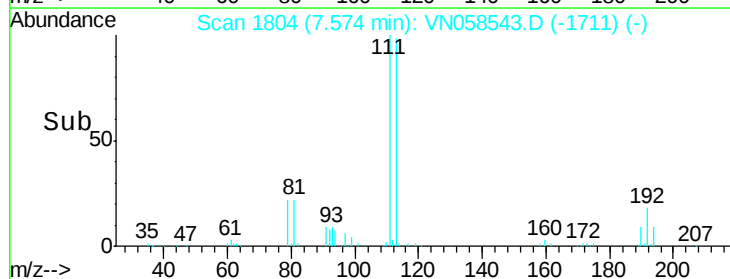
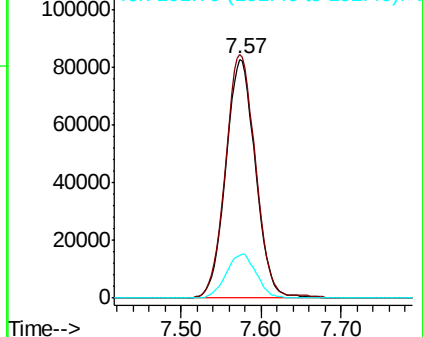


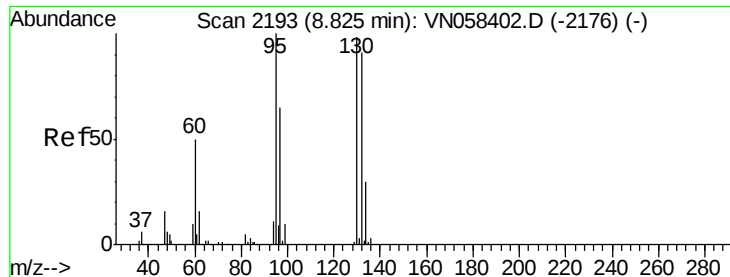
#35
Dibromofluoromethane
Concen: 49.515 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058543.D
Acq: 4 Oct 2019 16:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.4	125.2
192	18.6	14.9	22.3



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





#44

Trichloroethene

Concen: 11.545 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058543.D

Acq: 4 Oct 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

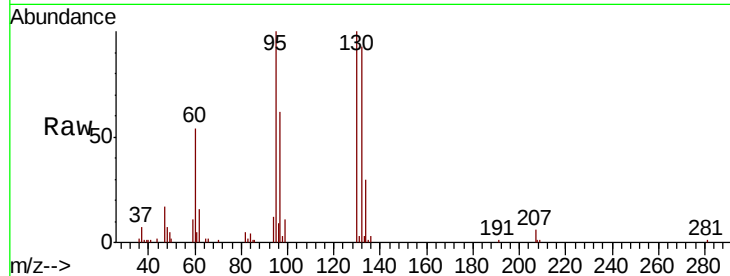
MW-9R 100119

Tot Ion:130 Resp: 53858

Ion Ratio Lower Upper

130 100

95 100.0 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

25000

20000

15000

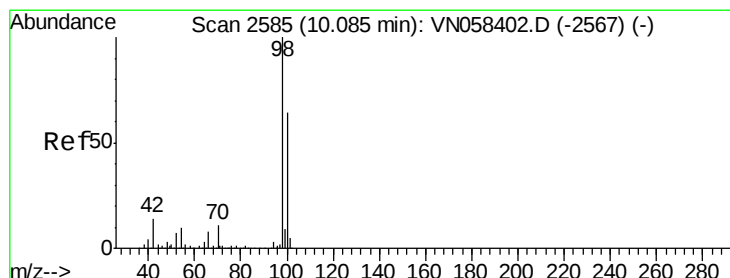
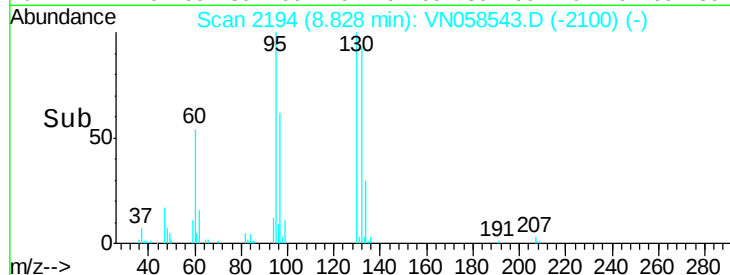
10000

5000

0

8.75 8.80 8.85 8.90

Time-->



#50

Toluene-d8

Concen: 51.758 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058543.D

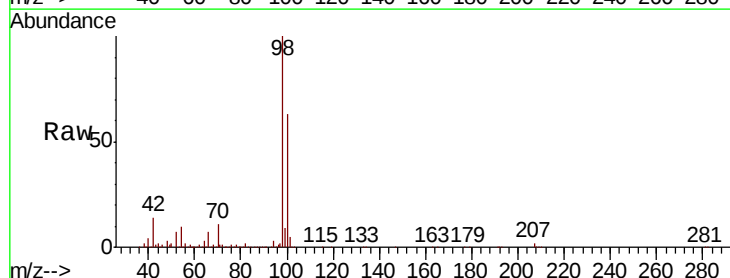
Acq: 4 Oct 2019 16:09

Tgt Ion: 98 Resp: 854228

Ion Ratio Lower Upper

98 100

100 63.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.08

500000

400000

300000

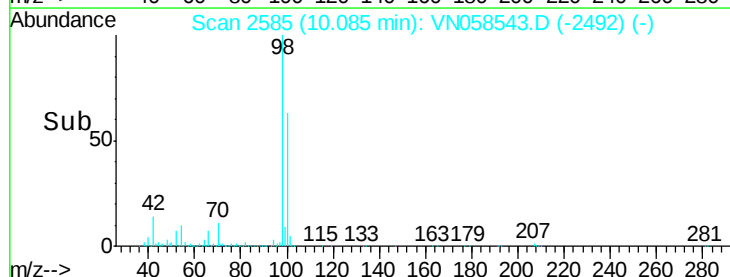
200000

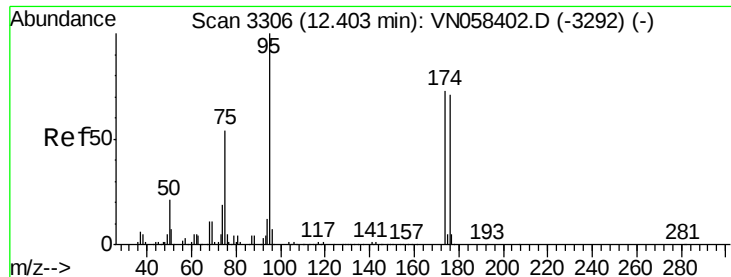
100000

0

10.00 10.10 10.20

Time-->

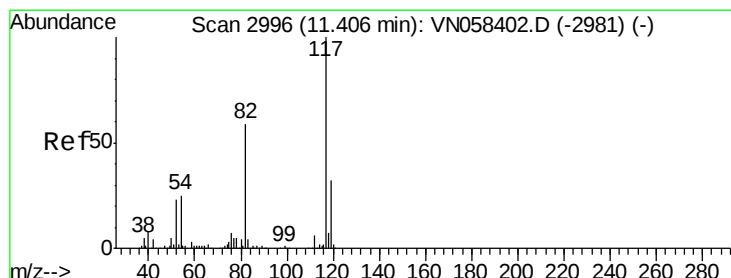
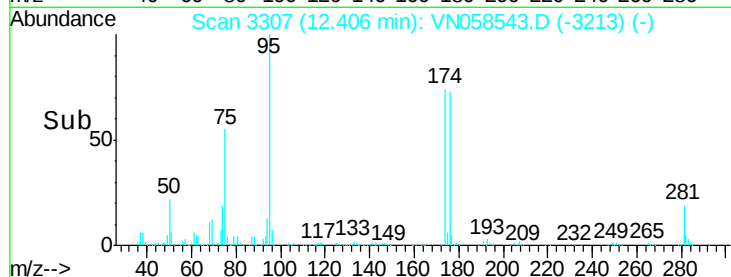
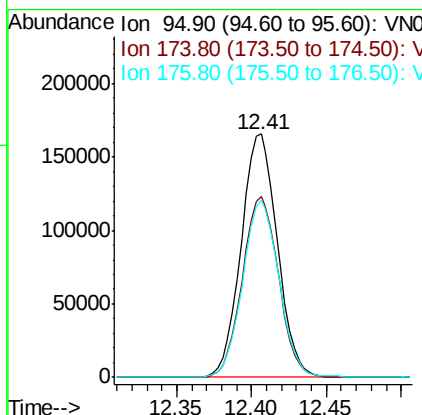
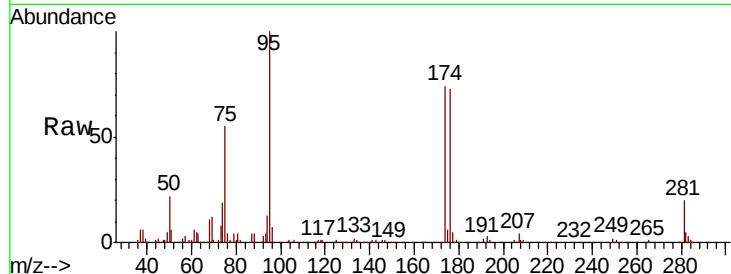




#62
4-Bromofluorobenzene
Concen: 46.771 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058543.D
Acq: 4 Oct 2019 16:09

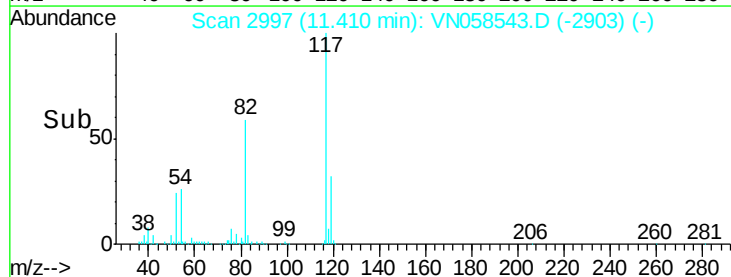
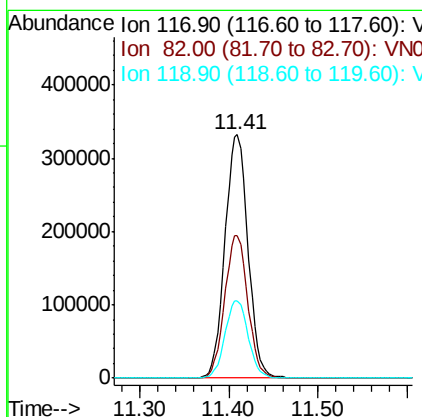
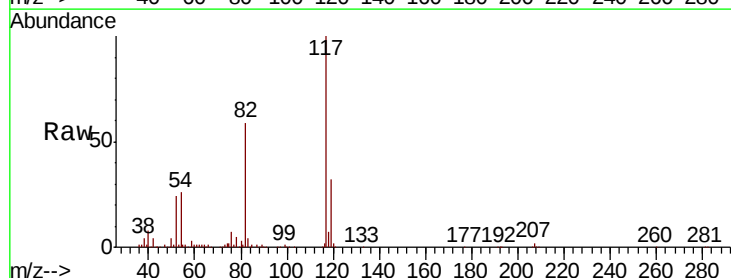
Instrument :
MSVOA_N
ClientSampleId :
MW-9R_100119

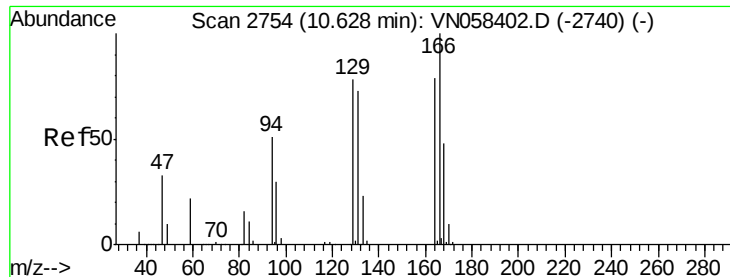
Tot Ion: 95 Resp: 279114
Ion Ratio Lower Upper
95 100
174 74.3 0.0 150.6
176 73.4 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058543.D
Acq: 4 Oct 2019 16:09

Tgt Ion: 117 Resp: 593598
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.0
119 31.9 25.5 38.3





#64

Tetrachloroethene

Concen: 2.087 ug/l

RT: 10.62 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN058543.D

Acq: 4 Oct 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

MW-9R_100119

Tot Ion:164 Resp: 7870

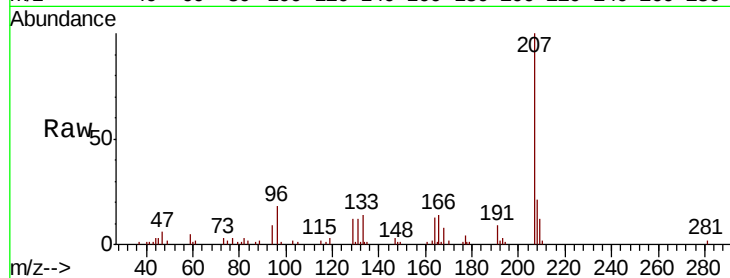
Ion Ratio Lower Upper

164 100

166 105.6 101.1 151.7

129 95.8 79.2 118.8

131 91.4 74.1 111.1

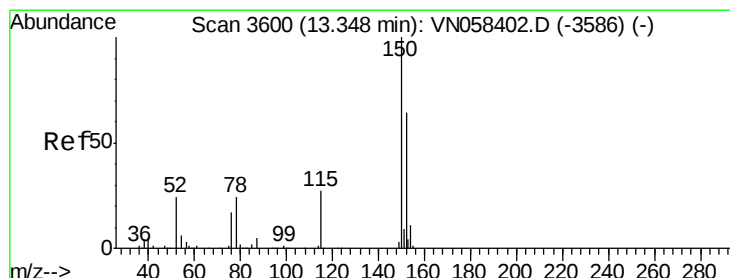
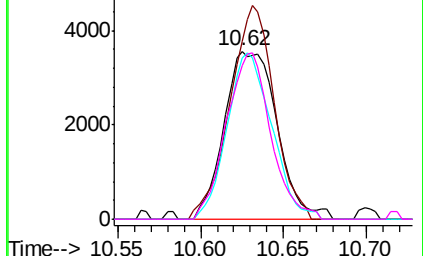
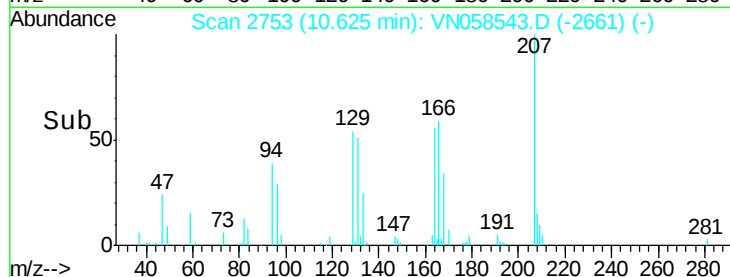


Abundance Ion 163.80 (163.50 to 164.50): V

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: VN058543.D

Acq: 4 Oct 2019 16:09

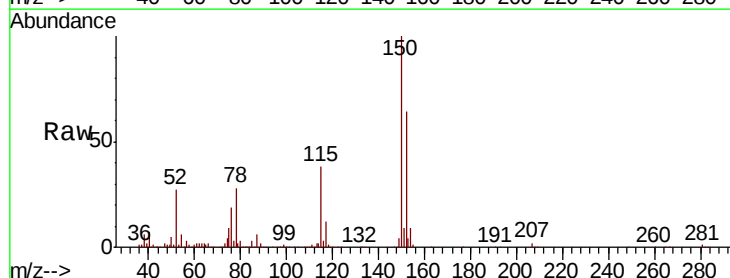
Tgt Ion:152 Resp: 240949

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

150 158.5 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

