

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
 Data File : VN058781.D
 Acq On : 15 Oct 2019 14:48
 Operator : JC/SP
 Sample : K5331-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Quant Time: Oct 16 05:05:45 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

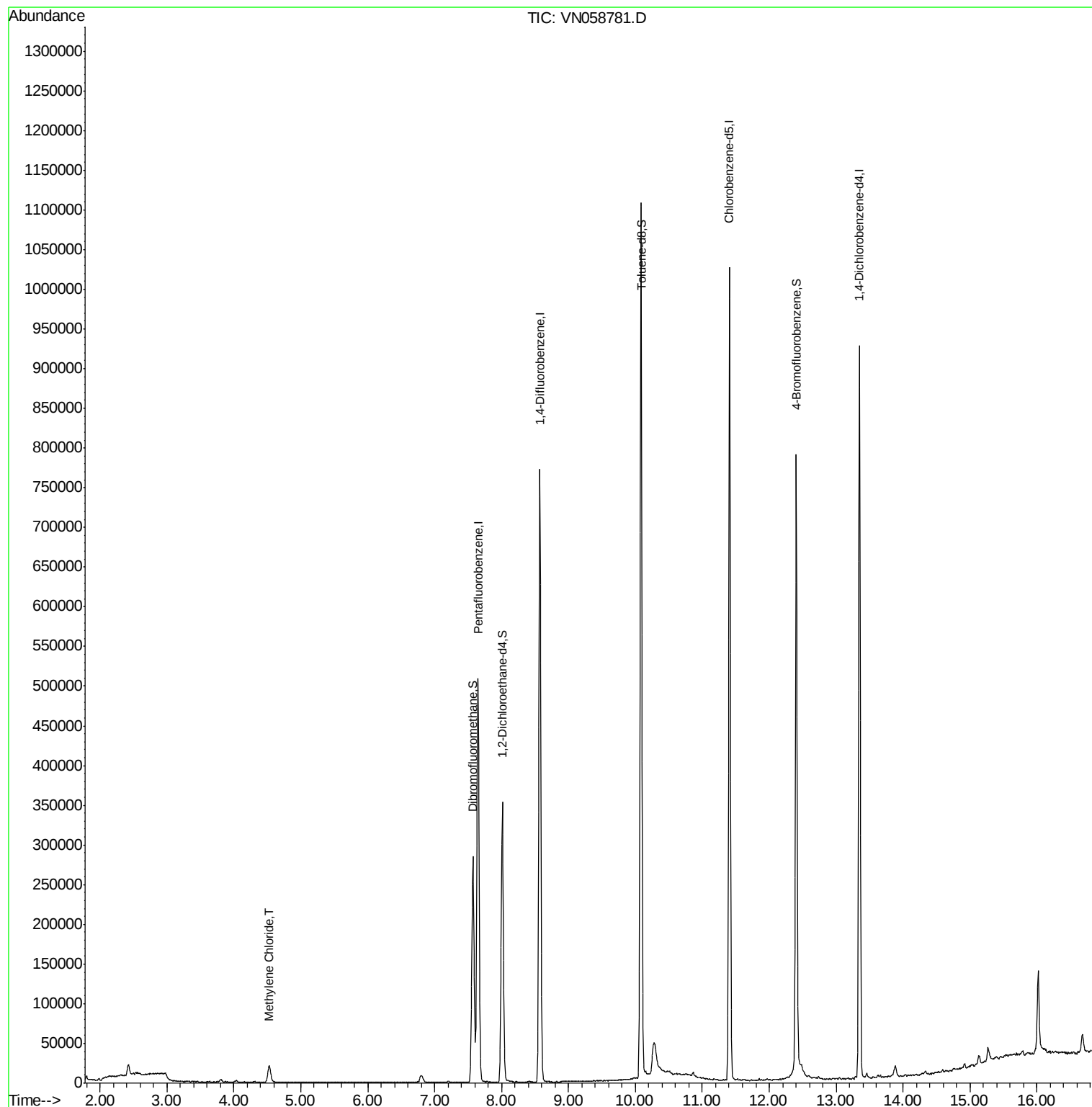
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	391922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	653853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	235833	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	307531	56.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.10%	
35) Dibromofluoromethane	7.57	113	209797	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
50) Toluene-d8	10.08	98	747351	46.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.54%	
62) 4-Bromofluorobenzene	12.40	95	260546	42.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.24%	
Target Compounds						
20) Methylene Chloride	4.53	84	14636	3.083	ug/l	Qvalue 90

(#) = 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# 1827

Delta R.T. 0.00 min

Lab File: VN058781.D

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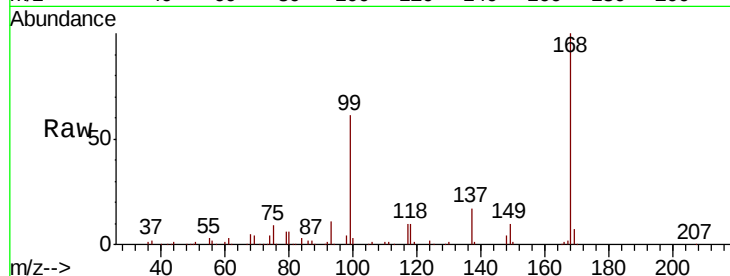
Instrument :
MSVOA_N
ClientSampled :
TP-9

Tot Ion:168 Resp: 391922

Ion Ratio Lower Upper

168 100

99 61.1 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

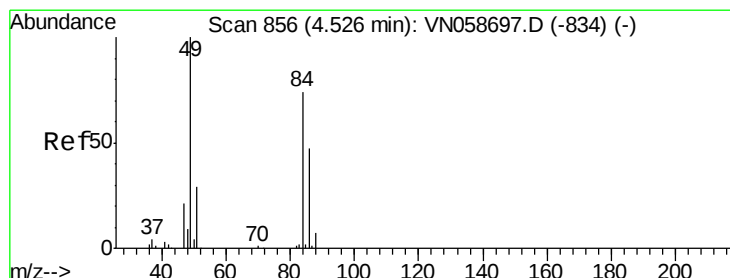
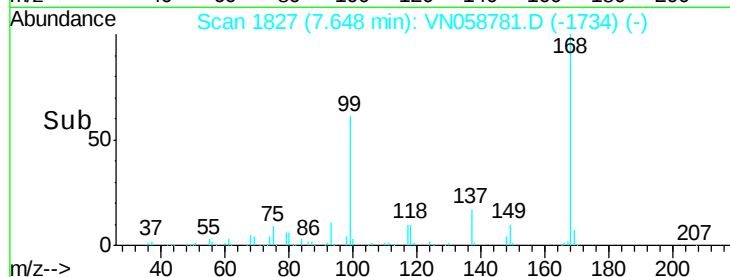
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 3.083 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN058781.D

Acq: 15 Oct 2019 14:48

Tgt Ion: 84 Resp: 14636

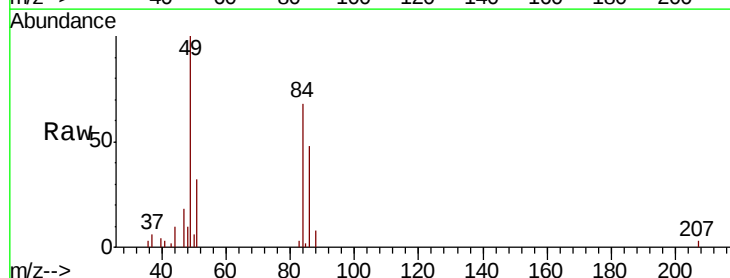
Ion Ratio Lower Upper

84 100

49 146.6 107.6 161.4

51 46.5 31.4 47.0

86 70.1 50.3 75.5



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

10000

8000

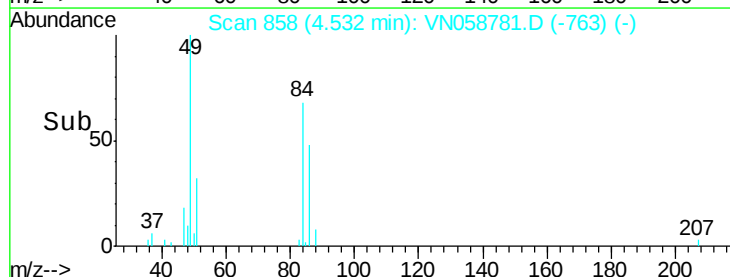
6000

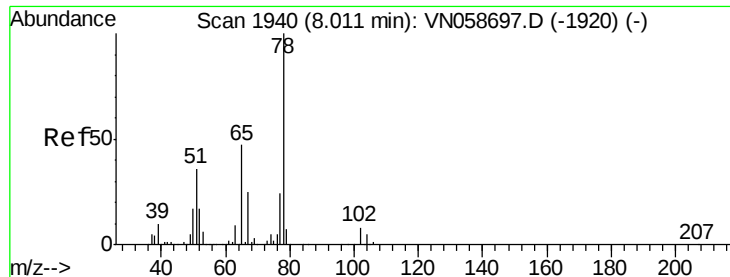
4000

2000

0

Time-->

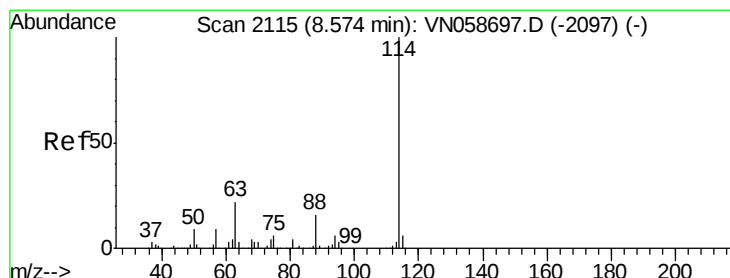
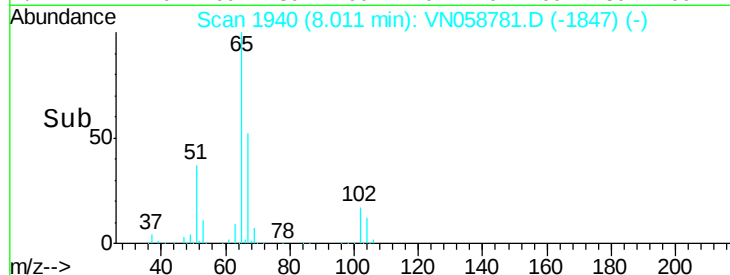
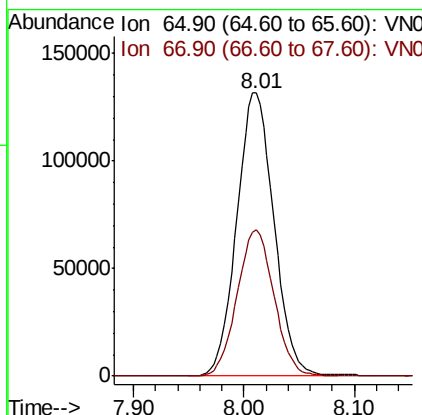
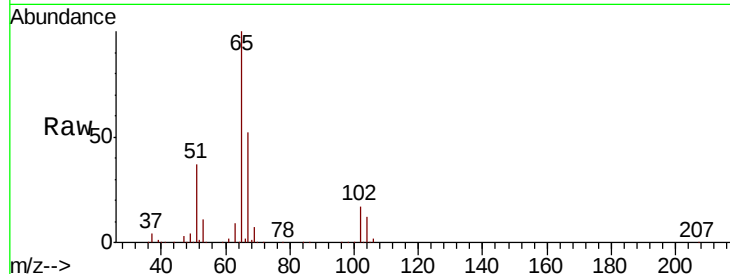




#33
 1,2-Dichloroethane-d4
 Concen: 56.049 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058781.D
 Acq: 15 Oct 2019 14:48

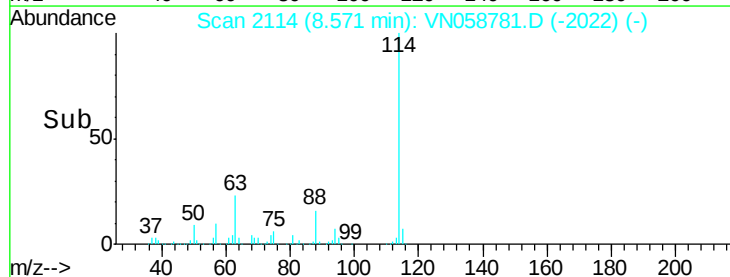
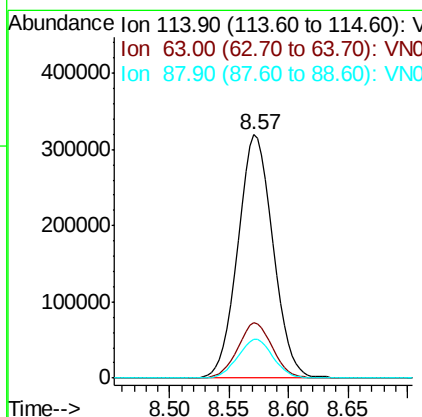
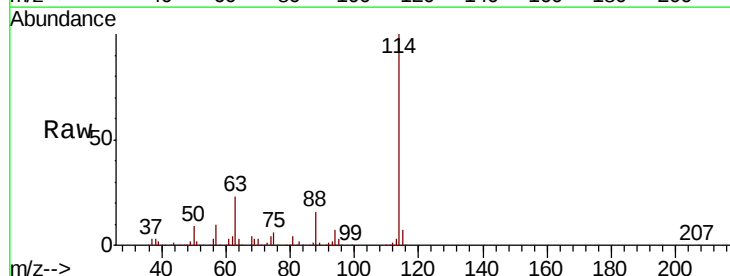
Instrument :
 MSVOA_N
 ClientSampled :
 TP-9

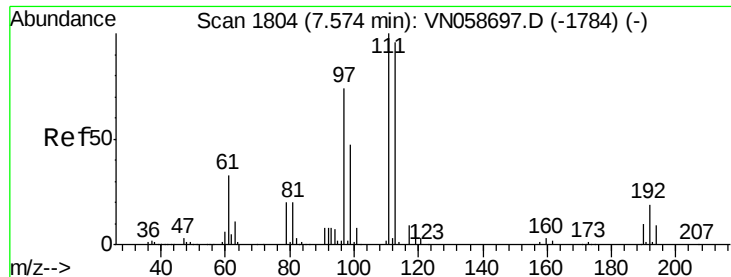
Tot Ion: 65 Resp: 307531
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058781.D
 Acq: 15 Oct 2019 14:48

Tgt Ion: 114 Resp: 653853
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.8
 88 16.0 0.0 32.0

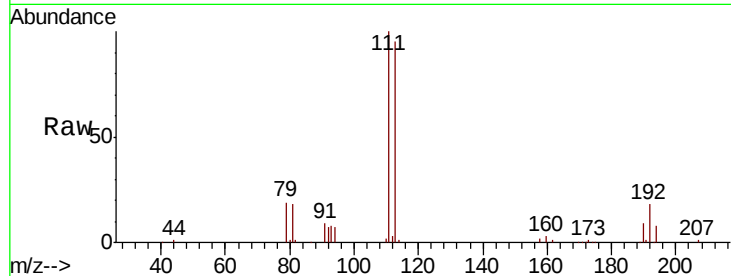




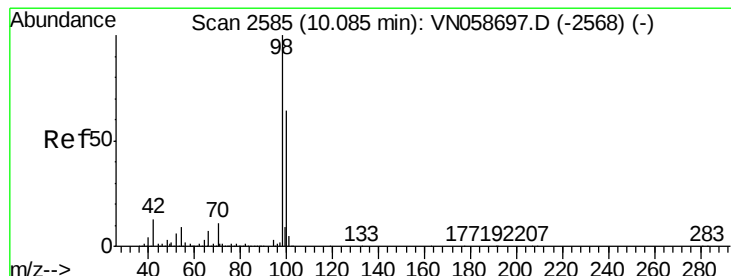
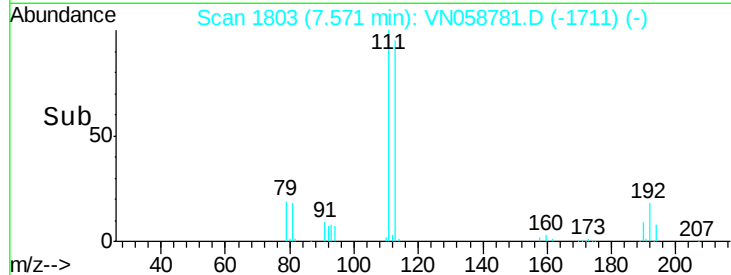
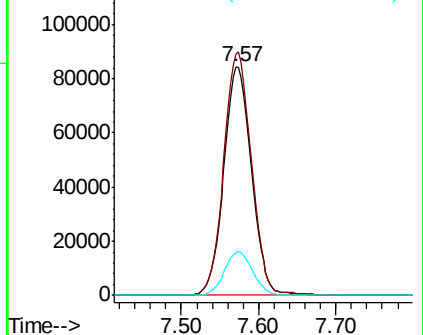
#35
 Dibromofluoromethane
 Concen: 51.947 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058781.D
 Acq: 15 Oct 2019 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.1	82.3	123.5
192	19.4	15.0	22.6

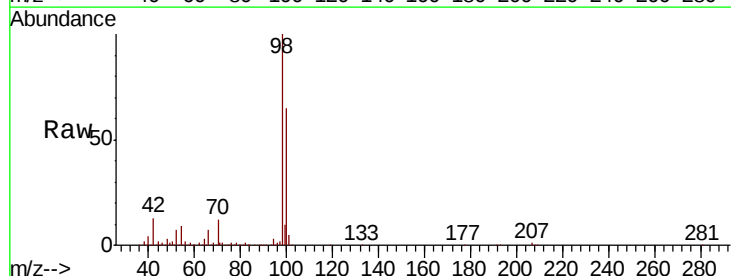


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

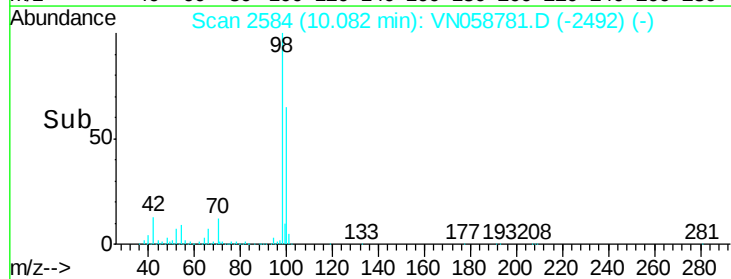
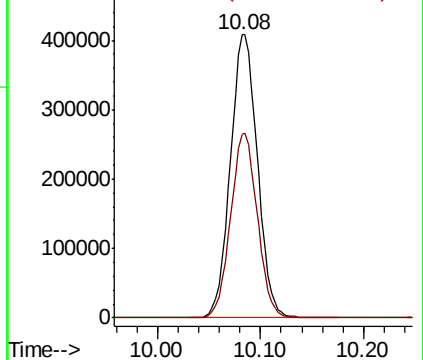


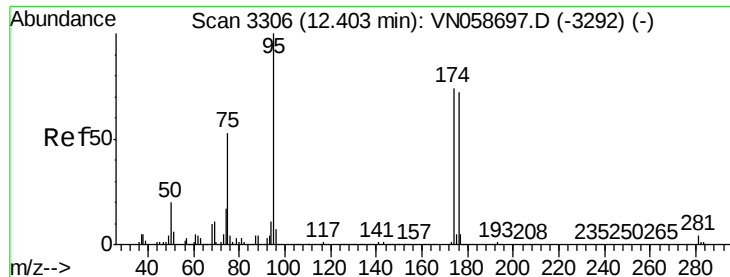
#50
 Toluene-d8
 Concen: 46.275 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN058781.D
 Acq: 15 Oct 2019 14:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	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: 42.619 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058781.D

Acq: 15 Oct 2019 14:48

Instrument :

MSVOA_N

ClientSampled :

TP-9

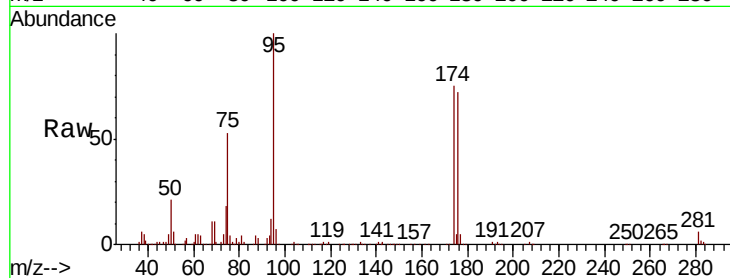
Tot Ion: 95 Resp: 260546

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.4

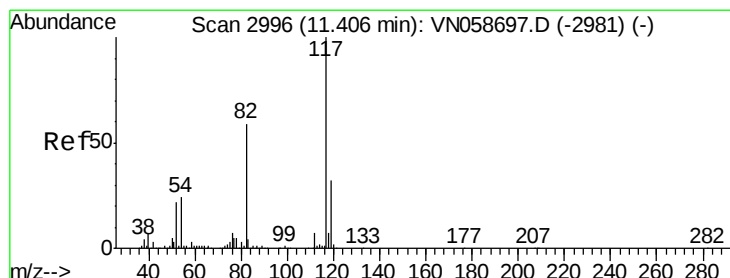
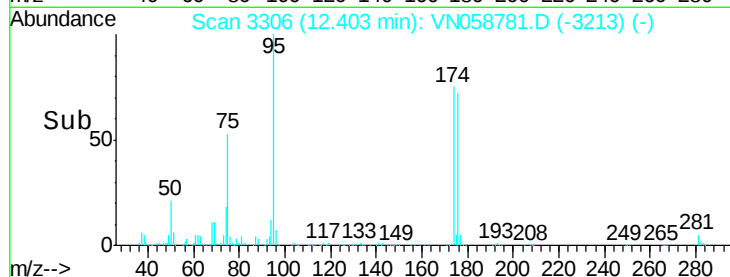
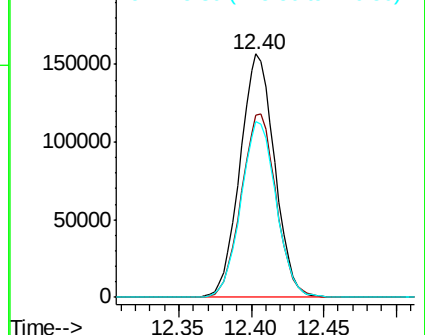
176 73.6 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058781.D

Acq: 15 Oct 2019 14:48

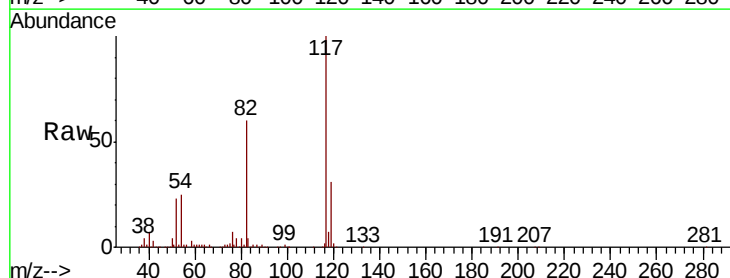
Tgt Ion: 117 Resp: 559073

Ion Ratio Lower Upper

117 100

82 59.7 47.0 70.4

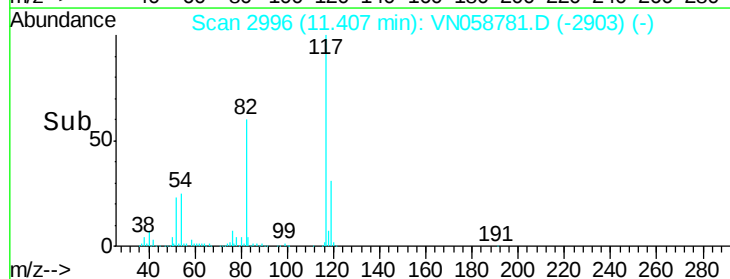
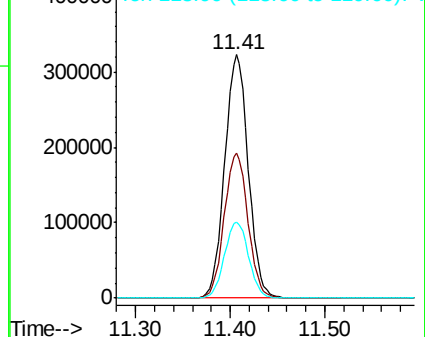
119 31.4 25.4 38.2

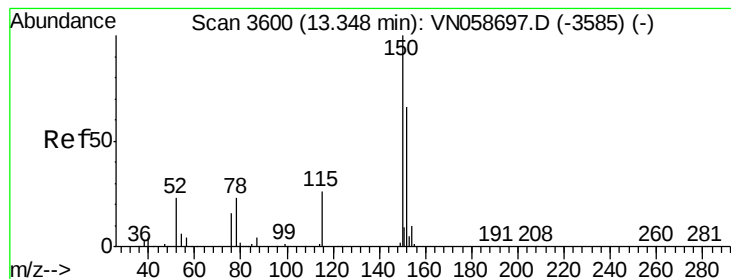


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058781.D

Acq: 15 Oct 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

TP-9

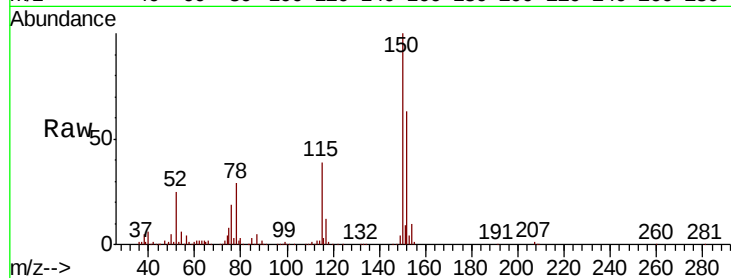
Tot Ion:152 Resp: 235833

Ion Ratio Lower Upper

152 100

115 61.9 30.4 91.2

150 157.1 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

