

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054339.D
 Acq On : 16 Mar 2019 16:18
 Operator : JC/SP
 Sample : K1960-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-031519-02

Quant Time: Mar 18 06:00:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1857690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2642877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2162306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	747824	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	909847	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
35) Dibromofluoromethane	7.59	113	814426	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	10.09	98	3045963	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	12.40	95	873123	39.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.28%	

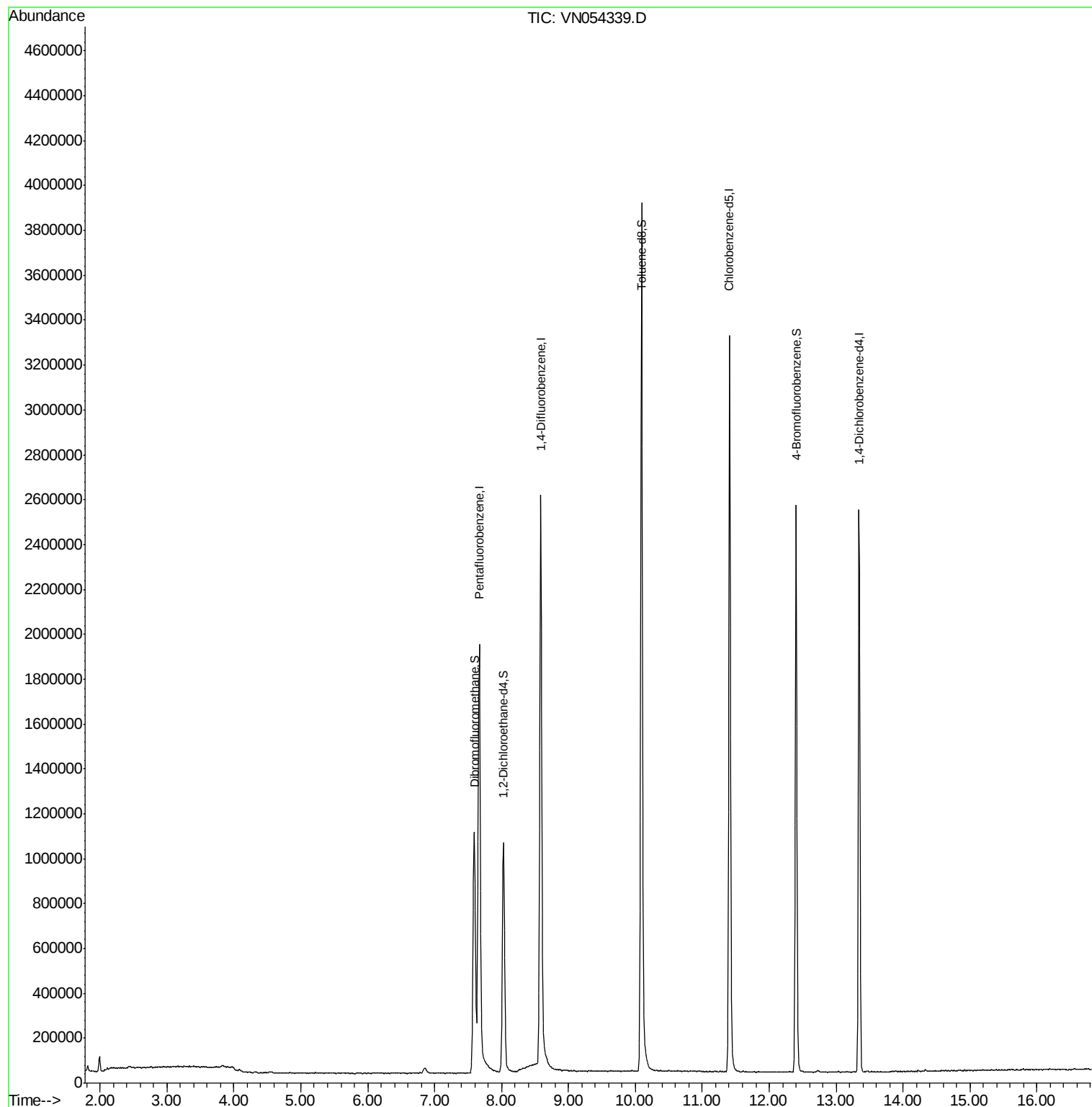
Target Compounds	Qvalue

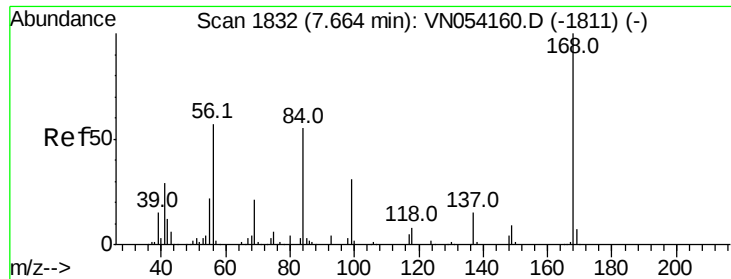
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054339.D

Acq: 16 Mar 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

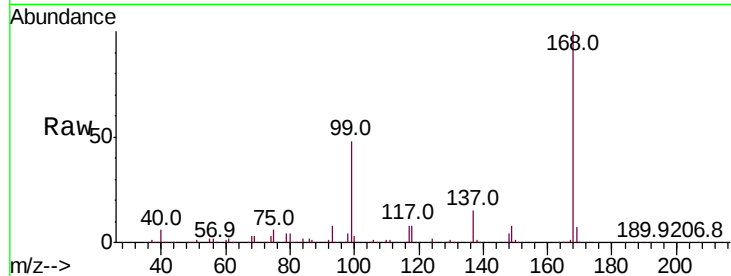
FB-031519-02

Tot Ion:168 Resp: 1857690

Ion Ratio Lower Upper

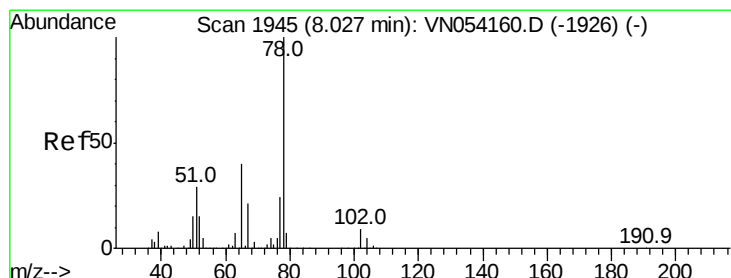
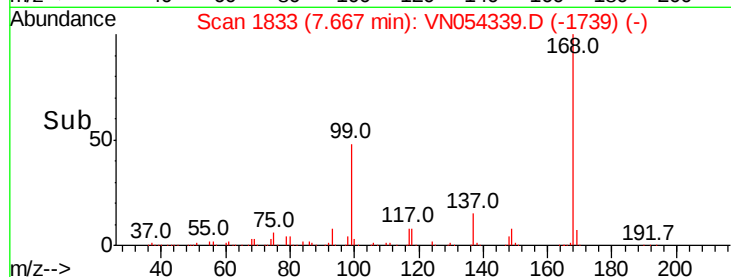
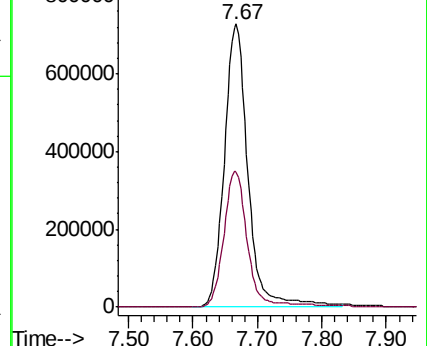
168 100

99 47.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 46.118 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054339.D

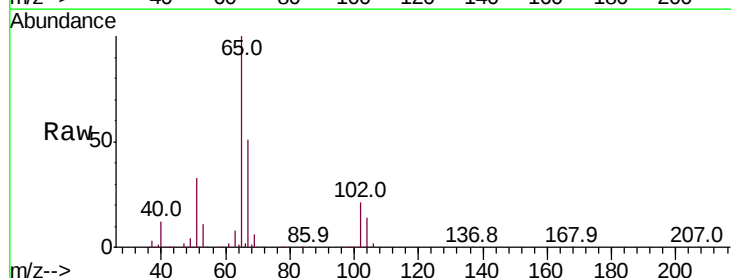
Acq: 16 Mar 2019 16:18

Tgt Ion: 65 Resp: 909847

Ion Ratio Lower Upper

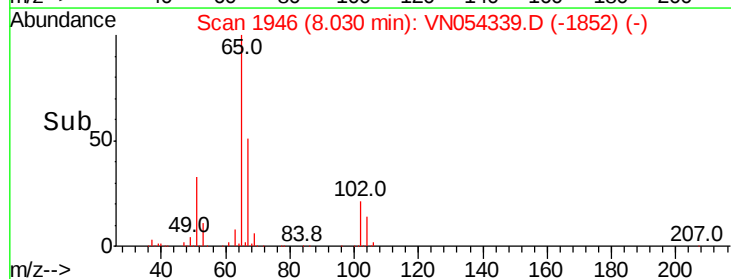
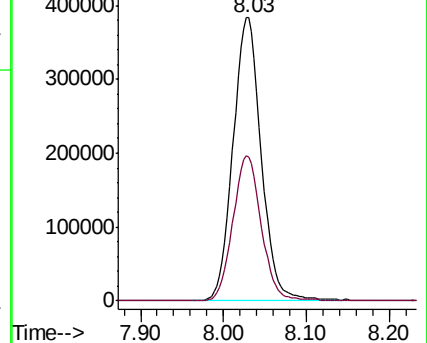
65 100

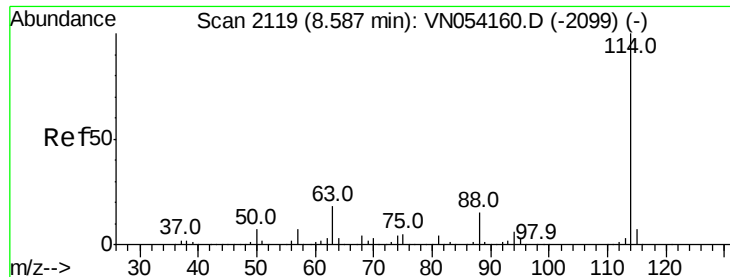
67 51.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054339.D

Acq: 16 Mar 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

FB-031519-02

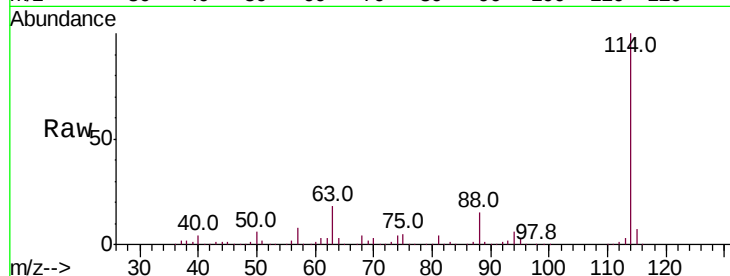
Tot Ion:114 Resp: 2642877

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

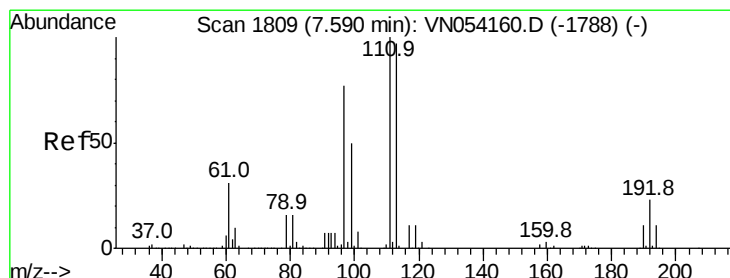
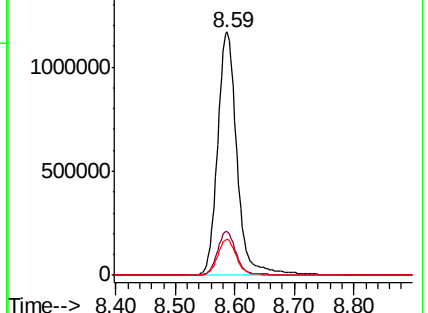
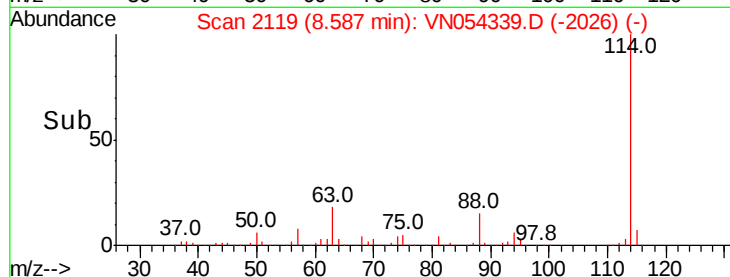
88 14.9 0.0 30.2



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: 47.780 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054339.D

Acq: 16 Mar 2019 16:18

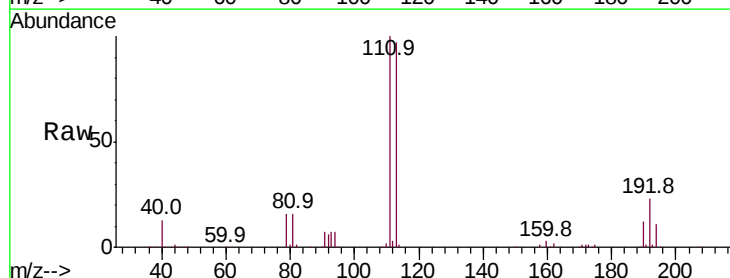
Tgt Ion:113 Resp: 814426

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

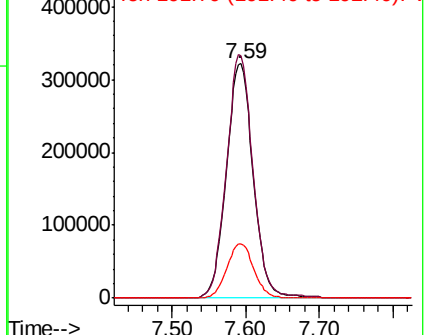
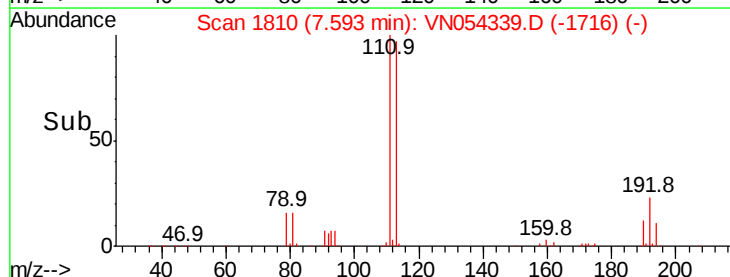
192 23.3 19.2 28.8

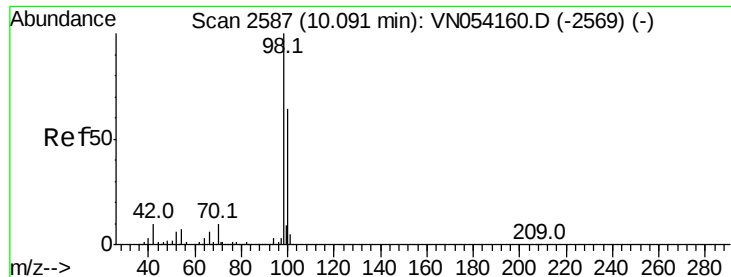


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.386 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054339.D

Acq: 16 Mar 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

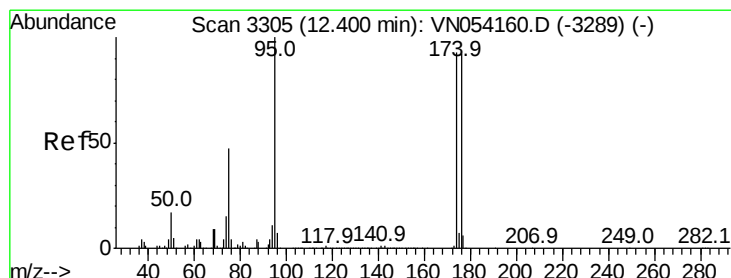
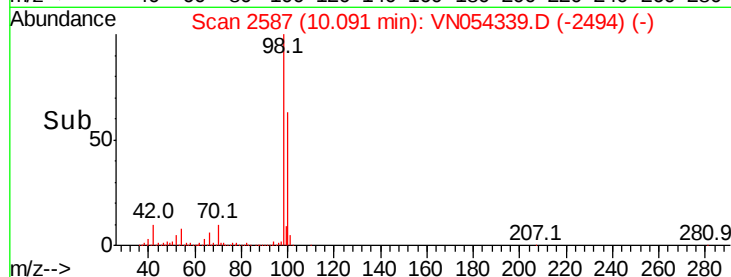
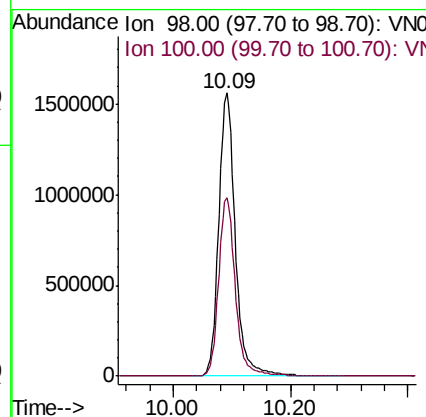
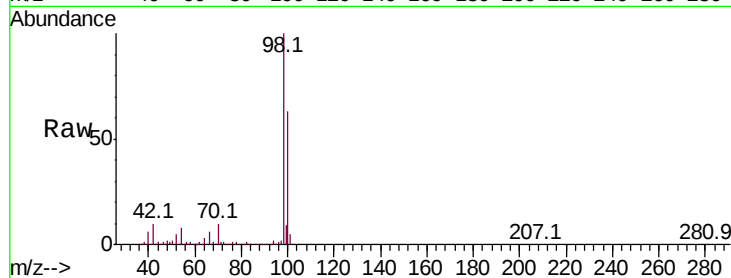
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Tot Ion: 98 Resp: 3045963

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 39.639 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054339.D

Acq: 16 Mar 2019 16:18

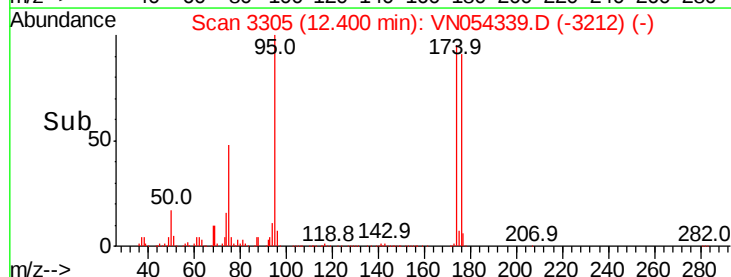
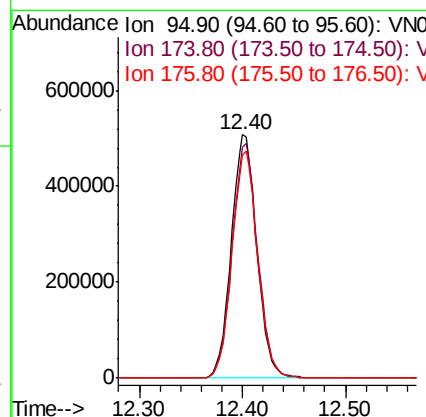
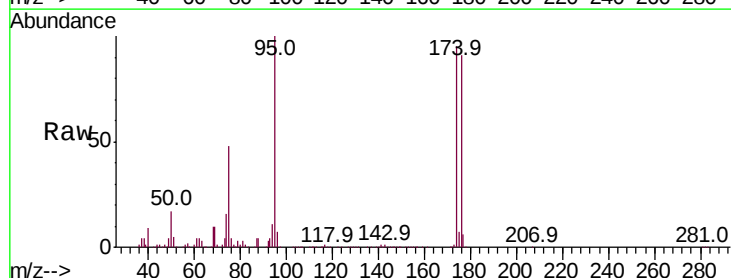
Tgt Ion: 95 Resp: 873123

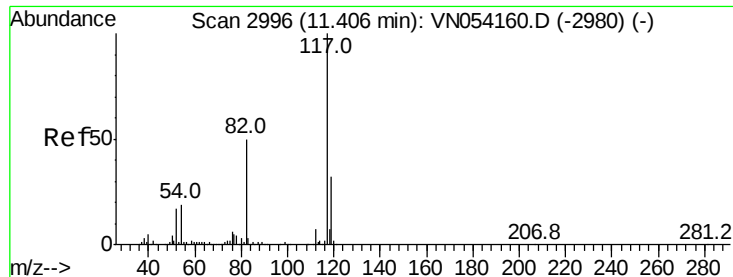
Ion Ratio Lower Upper

95 100

174 96.8 0.0 191.0

176 93.6 0.0 187.4

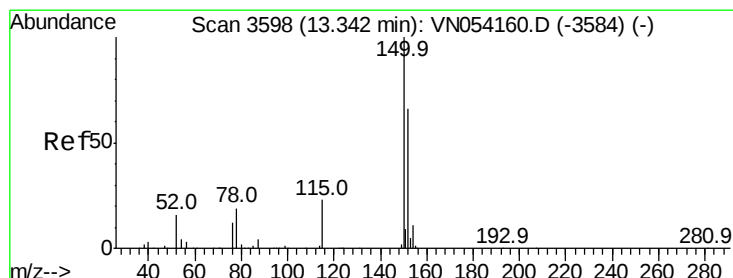
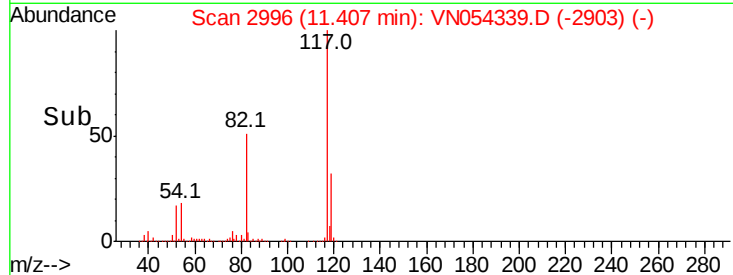
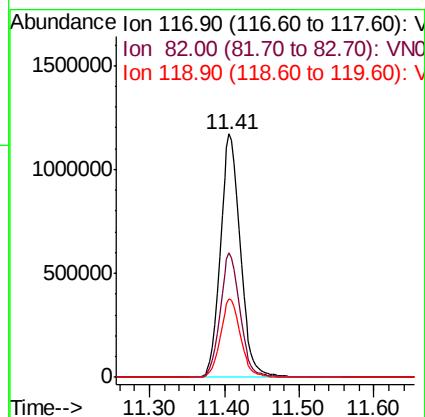
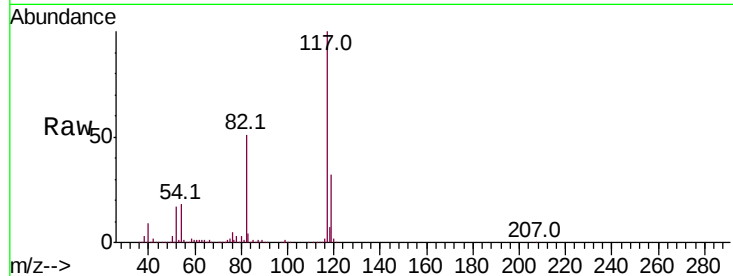




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054339.D
Acq: 16 Mar 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
FB-031519-02

Tot Ion:117 Resp: 2162306
Ion Ratio Lower Upper
117 100
82 51.1 40.0 60.0
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054339.D
Acq: 16 Mar 2019 16:18

Tgt Ion:152 Resp: 747824
Ion Ratio Lower Upper
152 100
115 54.7 27.2 81.6
150 155.4 0.0 349.2

