

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055054.D
 Acq On : 15 Apr 2019 20:27
 Operator : JC/SP
 Sample : K2397-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1-D

Quant Time: Apr 16 06:59:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

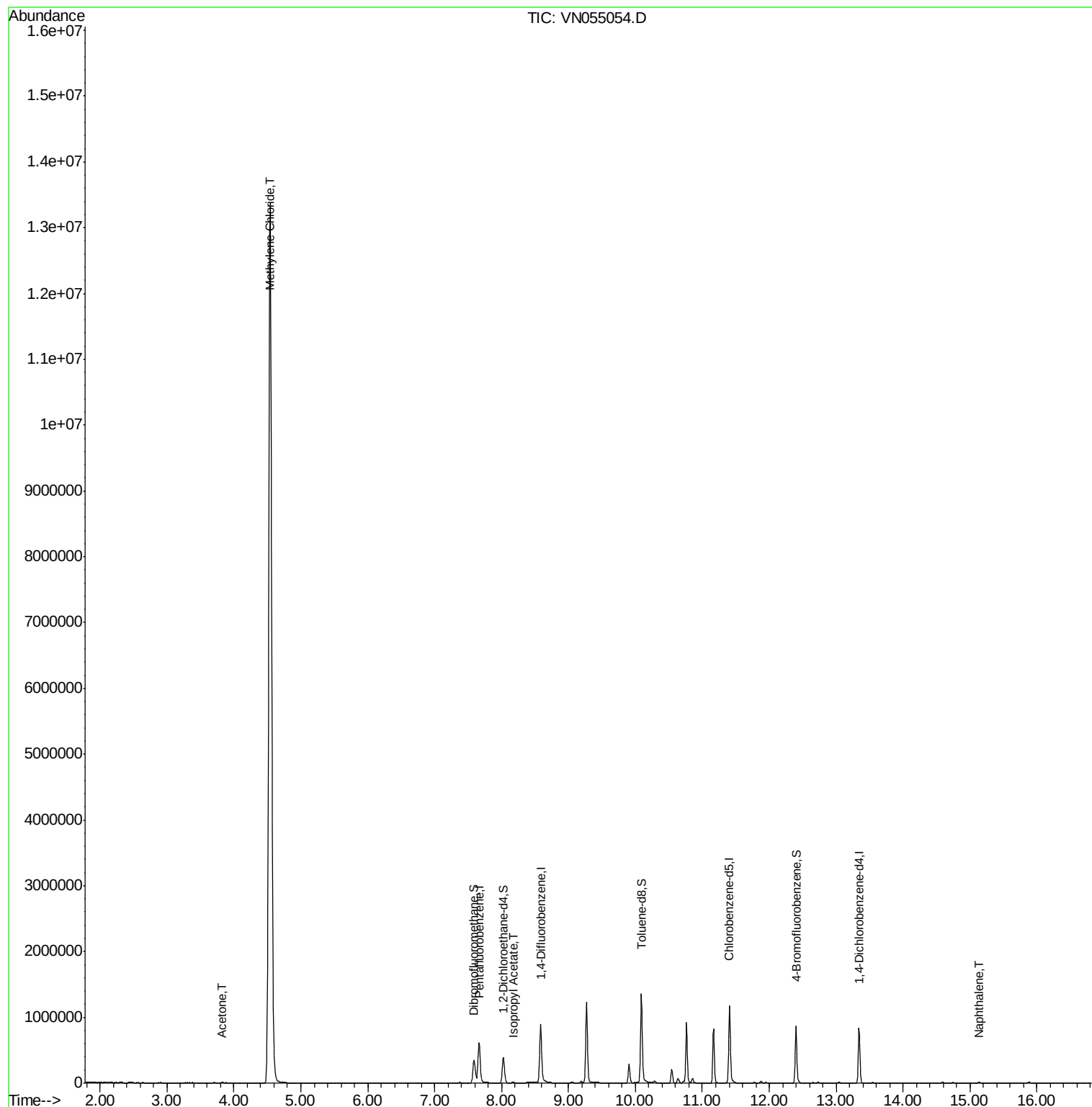
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	535073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	823457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	714375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	228216	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	322826	45.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.78%	
35) Dibromofluoromethane	7.59	113	266095	48.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.70%	
50) Toluene-d8	10.09	98	990641	50.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	295047	46.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.16%	
Target Compounds						
16) Acetone	3.82	43	8212	4.254	ug/l #	81
20) Methylene Chloride	4.54	84	9379509	1382.151	ug/l	95
43) Isopropyl Acetate	8.17	43	16118	1.655	ug/l	98
95) Naphthalene	15.13	128	5032	3.657	ug/l #	93

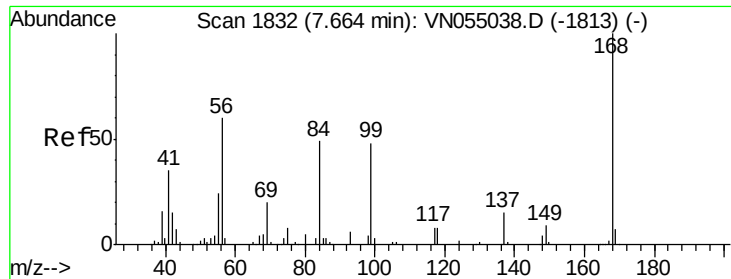
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055054.D

Acq: 15 Apr 2019 20:27

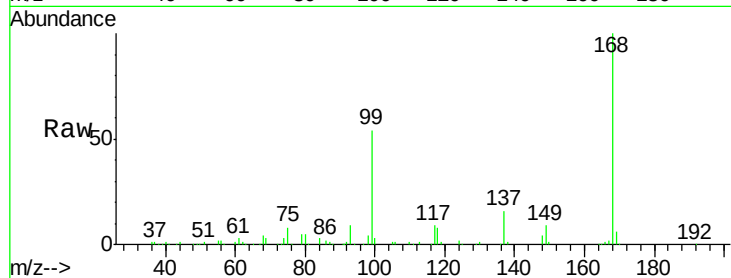
Instrument :
MSVOA_N
ClientSampled :
TP-1-D

Tot Ion:168 Resp: 535073

Ion Ratio Lower Upper

168 100

99 54.0 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055038.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055038.D (-1813) (-)

7.66

250000

200000

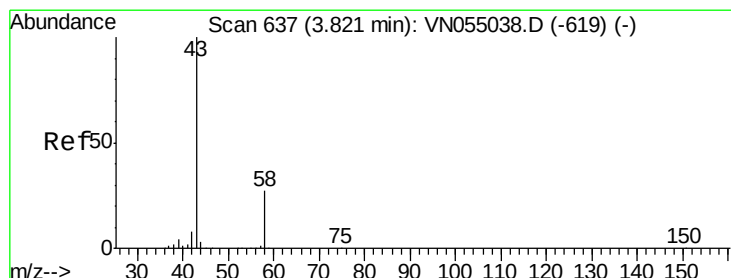
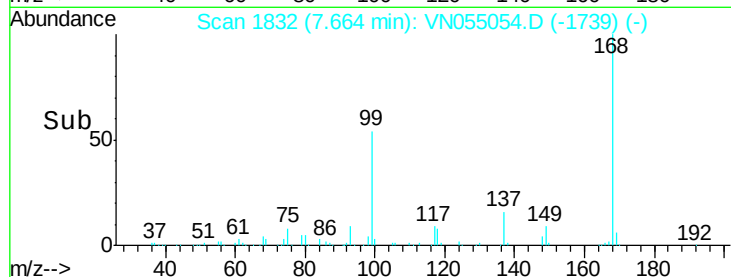
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.254 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055054.D

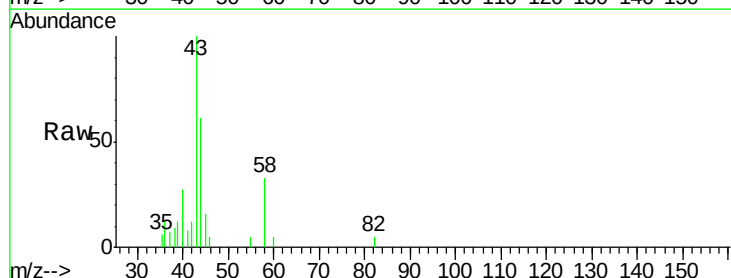
Acq: 15 Apr 2019 20:27

Tgt Ion: 43 Resp: 8212

Ion Ratio Lower Upper

43 100

58 35.8 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-619) (-)

3.82

4000

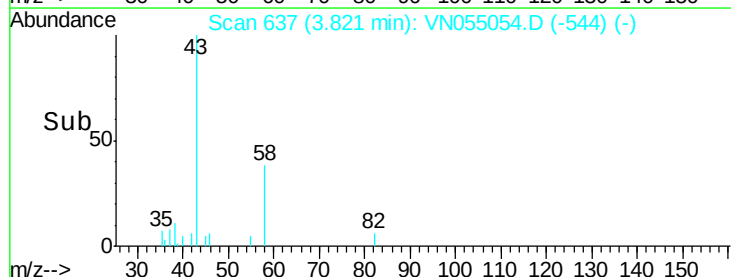
3000

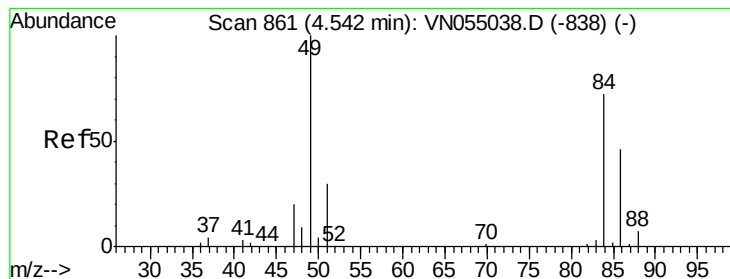
2000

1000

0

Time-->





#20

Methylene Chloride

Concen: 1382.151 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN055054.D

Acq: 15 Apr 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

TP-1-D

Tot Ion: 84 Resp: 9379509

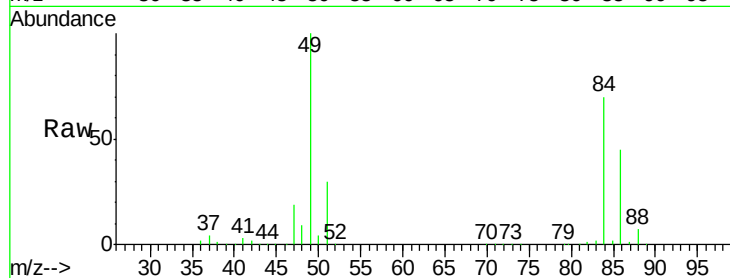
Ion Ratio Lower Upper

84 100

49 143.8 109.4 164.2

51 43.7 32.2 48.4

86 64.3 49.3 73.9

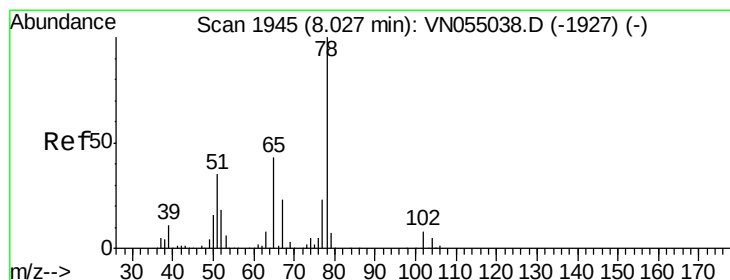
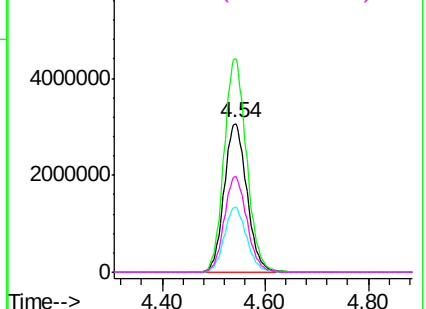
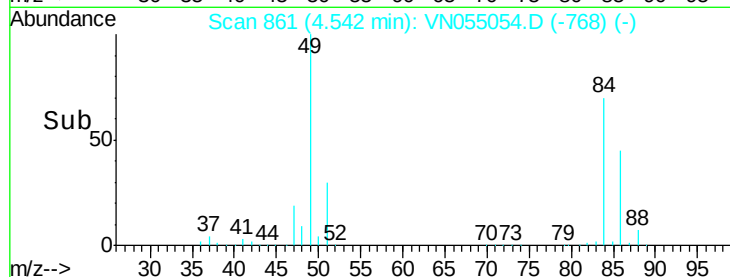


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 45.389 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055054.D

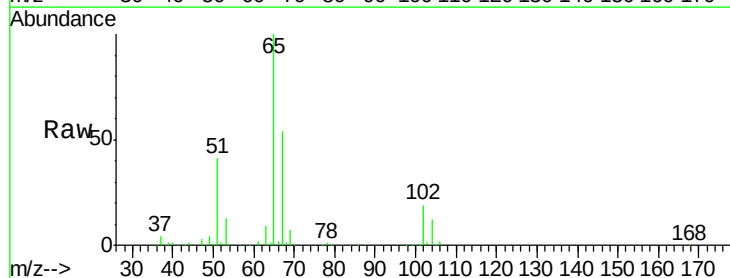
Acq: 15 Apr 2019 20:27

Tgt Ion: 65 Resp: 322826

Ion Ratio Lower Upper

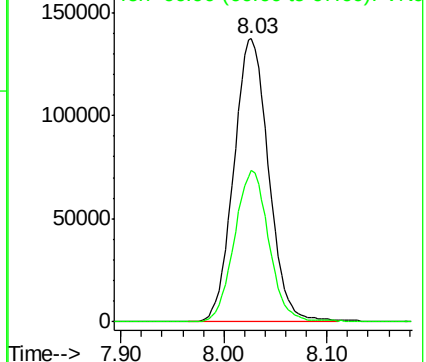
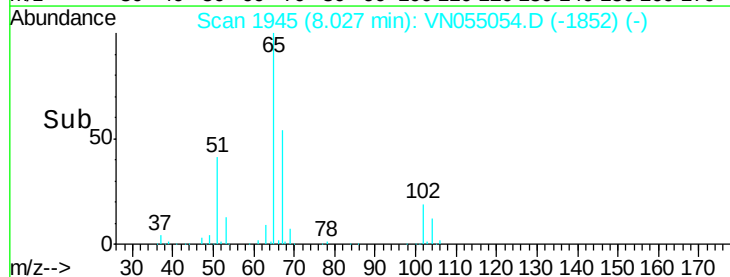
65 100

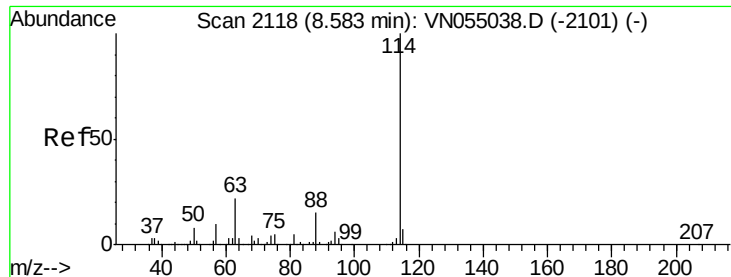
67 52.7 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

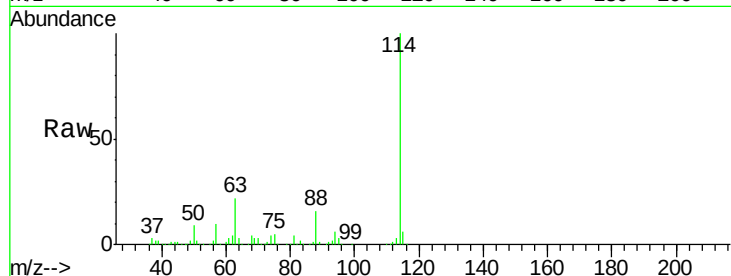




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055054.D
 Acq: 15 Apr 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1-D

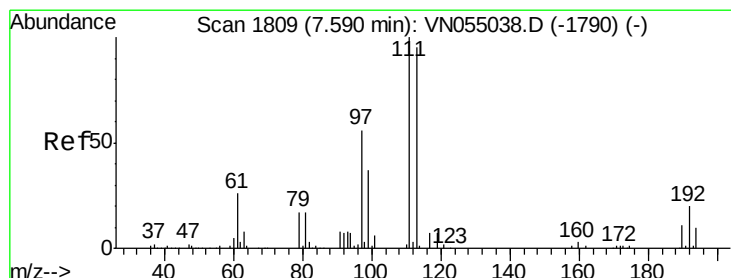
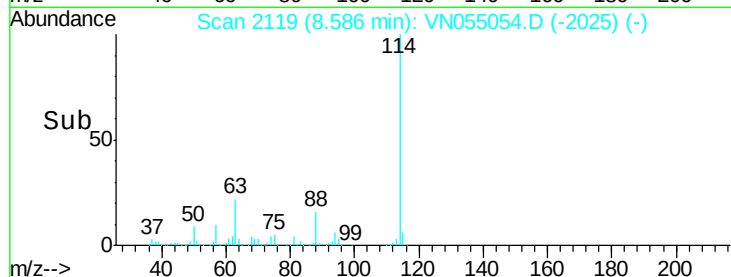
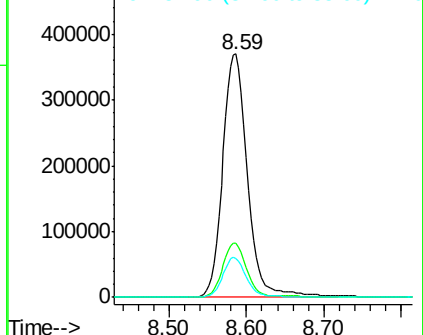
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	45.2
88	16.1	0.0	31.8



Abundance Ion 113.90 (113.60 to 114.60): V

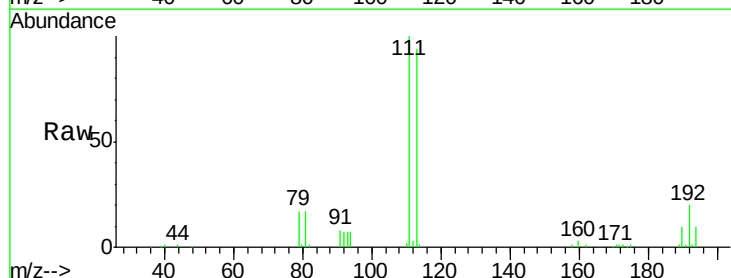
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35
 Dibromofluoromethane
 Concen: 48.353 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055054.D
 Acq: 15 Apr 2019 20:27

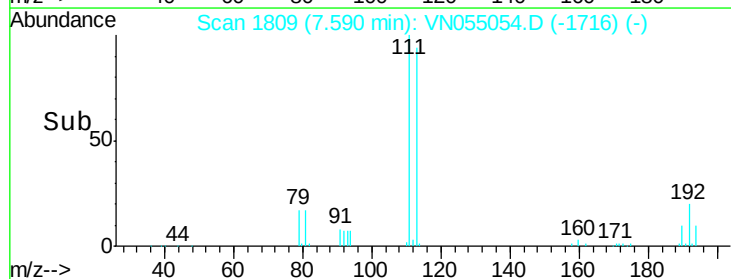
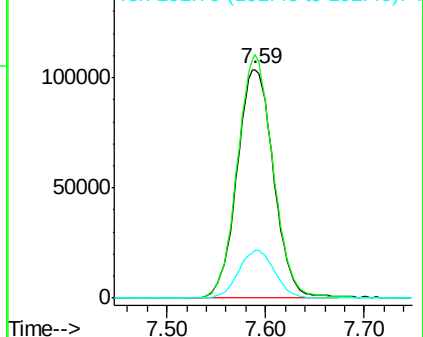
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.1	123.1
192	20.6	16.5	24.7

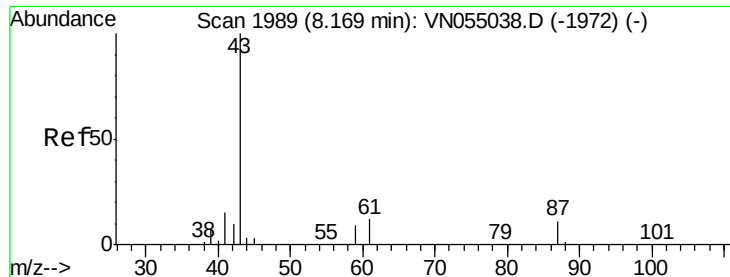


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.655 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN055054.D

Acq: 15 Apr 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

TP-1-D

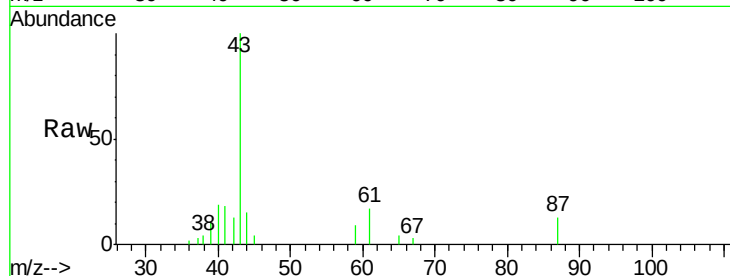
Tot Ion: 43 Resp: 16118

Ion Ratio Lower Upper

43 100

61 16.5 14.3 21.5

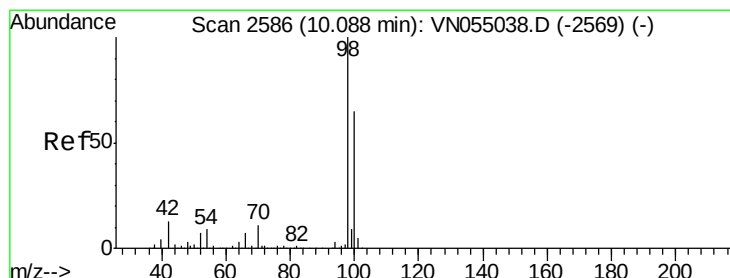
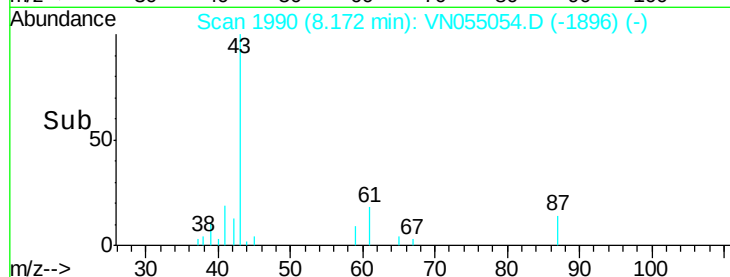
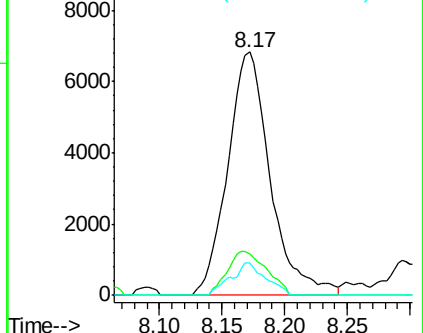
87 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 50.295 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055054.D

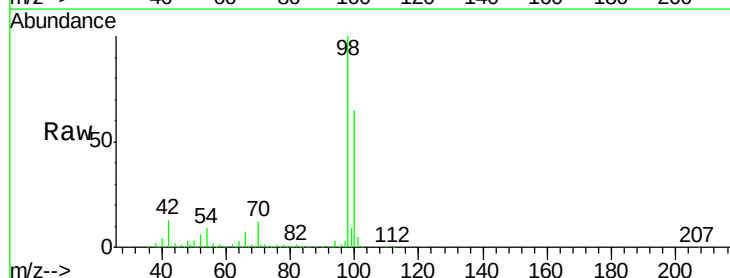
Acq: 15 Apr 2019 20:27

Tgt Ion: 98 Resp: 990641

Ion Ratio Lower Upper

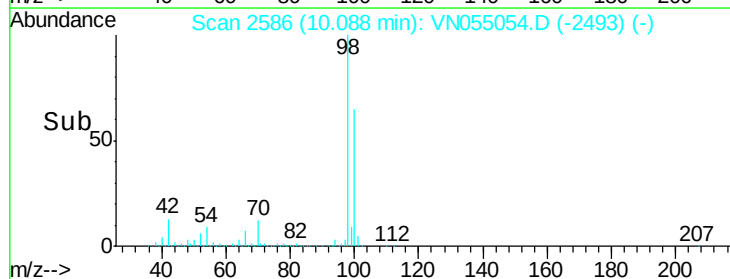
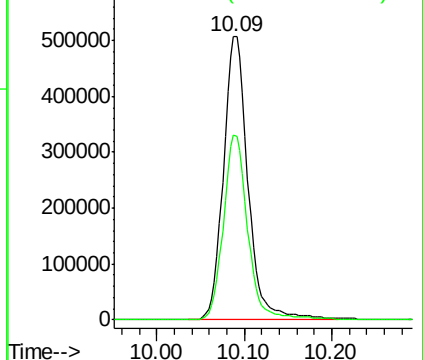
98 100

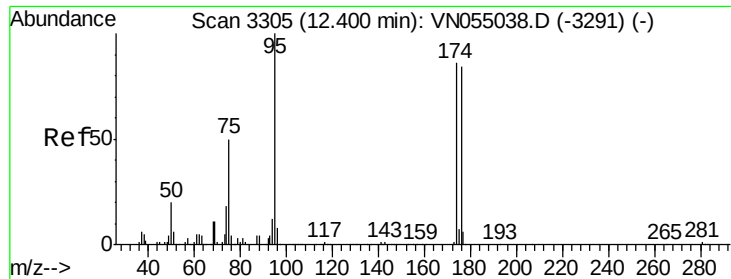
100 65.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 46.077 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055054.D

Acq: 15 Apr 2019 20:27

Instrument :

MSVOA_N

ClientSampled :

TP-1-D

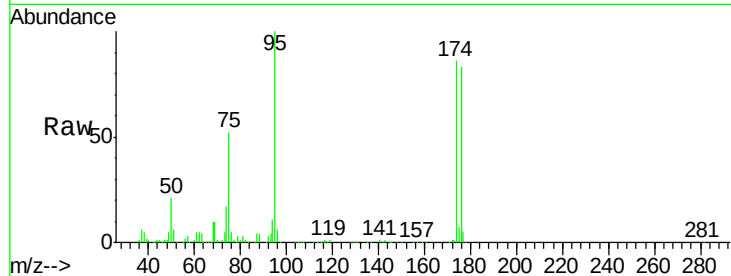
Tot Ion: 95 Resp: 295047

Ion Ratio Lower Upper

95 100

174 86.5 0.0 174.4

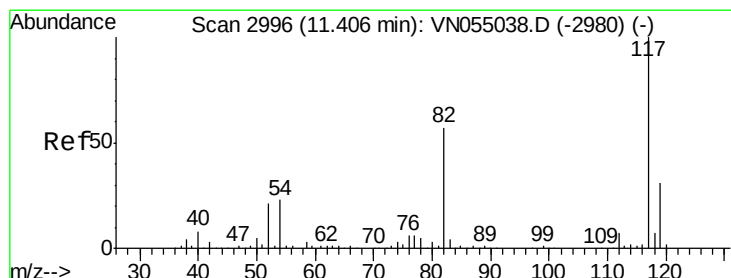
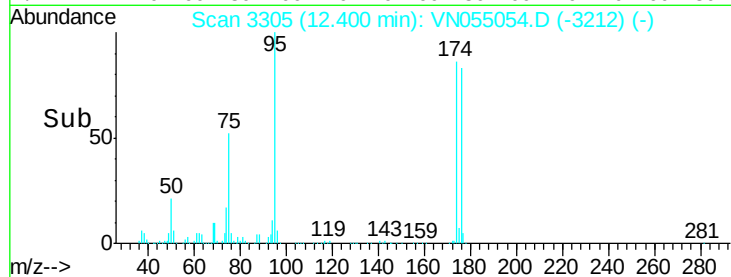
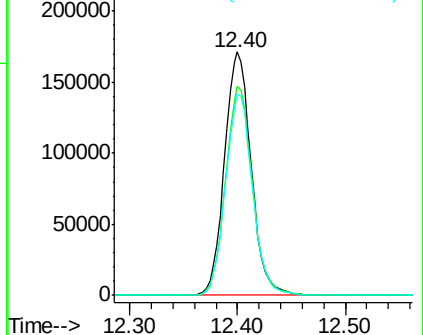
176 83.7 0.0 166.8



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: VN055054.D

Acq: 15 Apr 2019 20:27

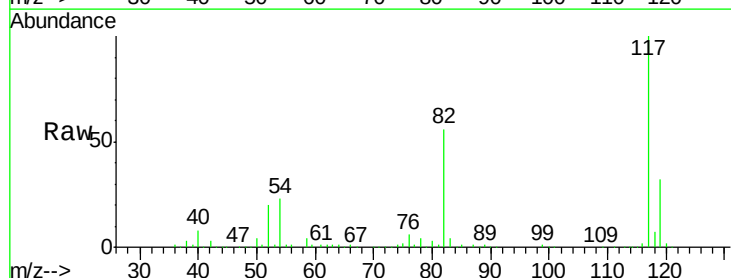
Tgt Ion: 117 Resp: 714375

Ion Ratio Lower Upper

117 100

82 55.9 44.6 66.8

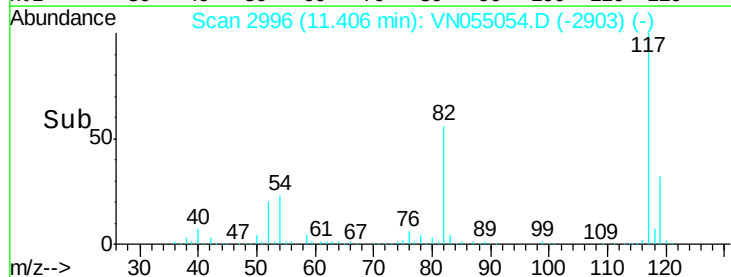
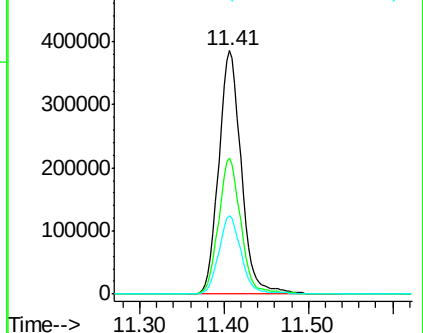
119 32.4 25.5 38.3

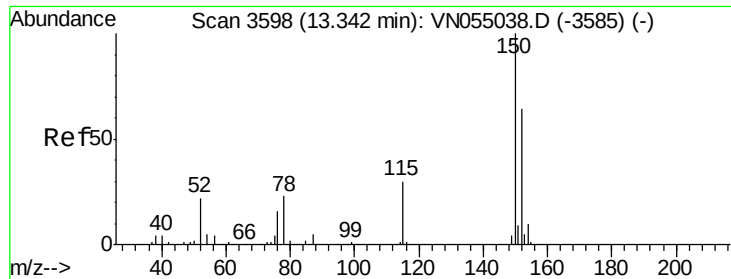


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

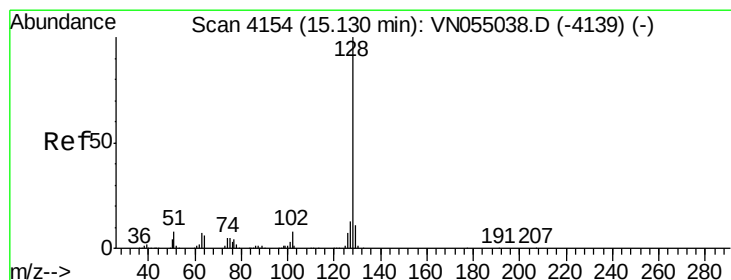
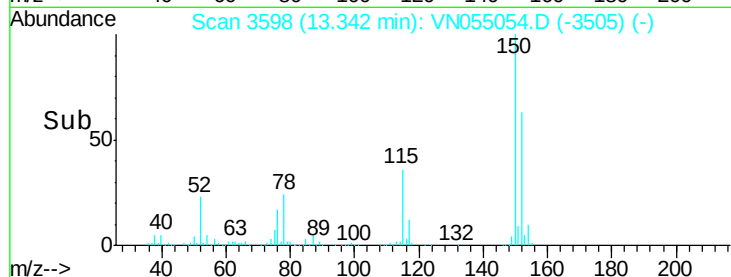
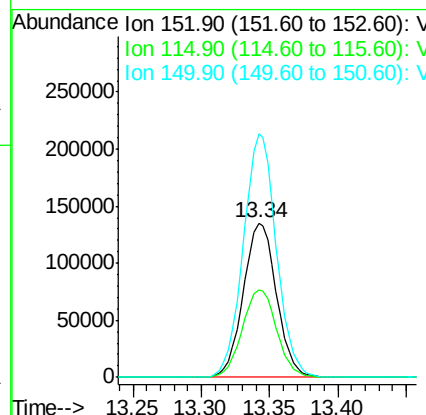
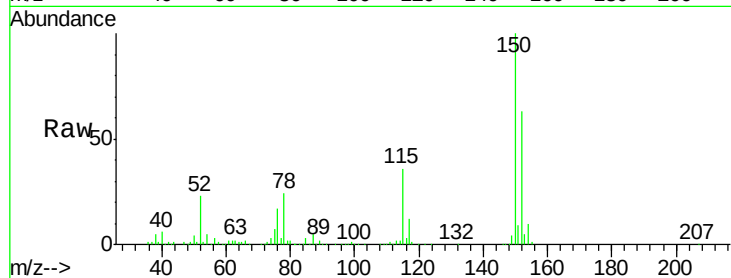




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN055054.D
 Acq: 15 Apr 2019 20:27

Instrument :
 MSVOA_N
 ClientSampled :
 TP-1-D

Tot Ion:152 Resp: 228216
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.5 85.6
 150 156.9 0.0 347.2



#95
 Naphthalene
 Concen: 3.657 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN055054.D
 Acq: 15 Apr 2019 20:27

Tgt Ion:128 Resp: 5032
 Ion Ratio Lower Upper
 128 100
 127 9.0 10.1 15.1#
 129 12.8 8.8 13.2

