

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050361.D
 Acq On : 4 Aug 2018 12:53
 Operator : MD\SY
 Sample : J4328-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 08:43:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

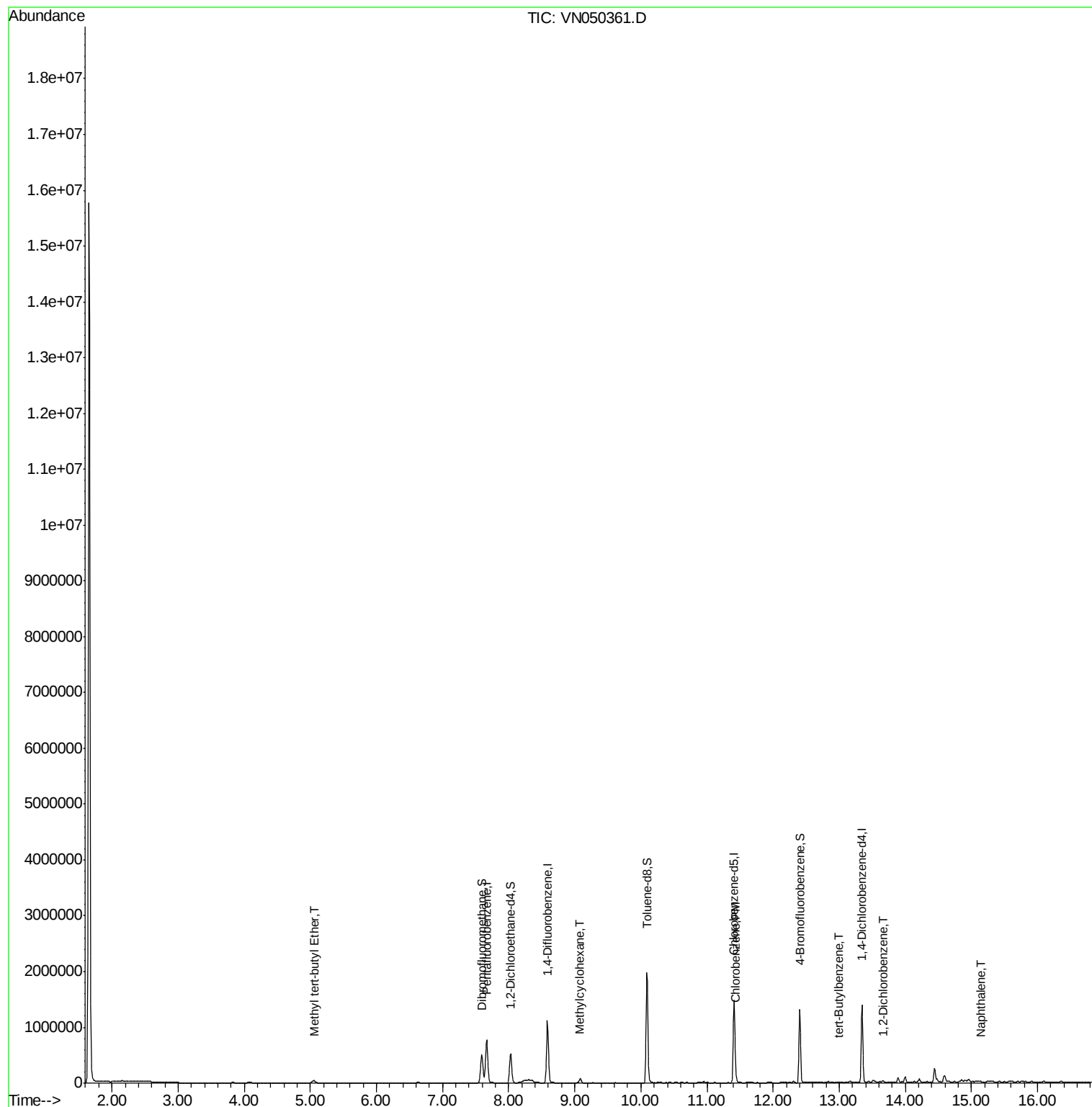
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	646291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1021557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	909020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	393190	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	441308	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.88%	
35) Dibromofluoromethane	7.59	113	396279	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
50) Toluene-d8	10.09	98	1446710	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	12.40	95	436995	43.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.56%	
Target Compounds						
19) Methyl tert-butyl Ether	5.05	73	64565	3.25	ug/l	93
39) Methylcyclohexane	9.08	83	30540	2.58	ug/l	91
65) Chlorobenzene	11.44	112	54516	2.37	ug/l	95
83) tert-Butylbenzene	12.99	119	6581	0.31	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	9096	0.64	ug/l	94
95) Naphthalene	15.14	128	12073	5.03	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050361.D

Acq: 4 Aug 2018 12:53

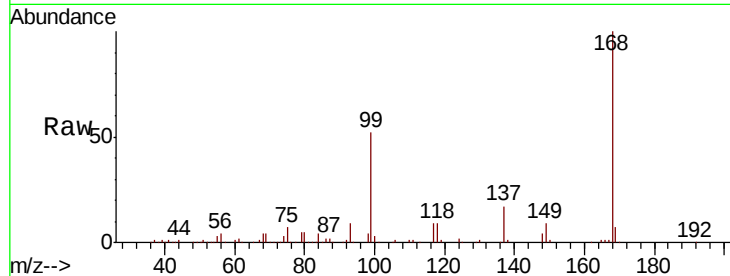
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 646291

Ion Ratio Lower Upper

168 100

99 52.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

250000

200000

150000

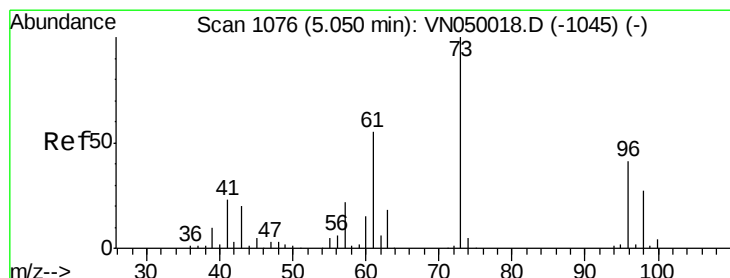
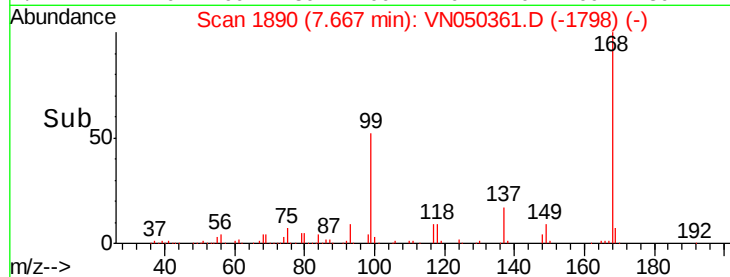
100000

50000

0

7.60 7.70 7.80

Time-->



#19

Methyl tert-butyl Ether

Concen: 3.25 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN050361.D

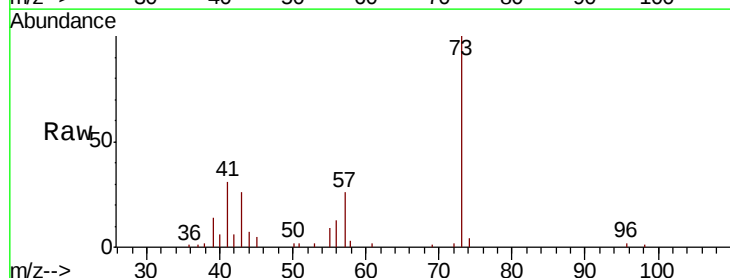
Acq: 4 Aug 2018 12:53

Tgt Ion: 73 Resp: 64565

Ion Ratio Lower Upper

73 100

57 25.7 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VN050018.D (-1045) (-)

Ion 57.00 (56.70 to 57.70): VN050018.D (-1045) (-)

5.05

20000

15000

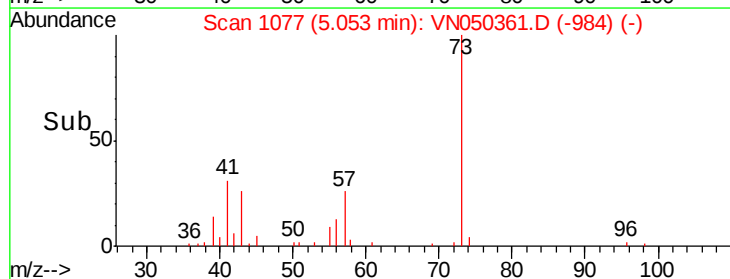
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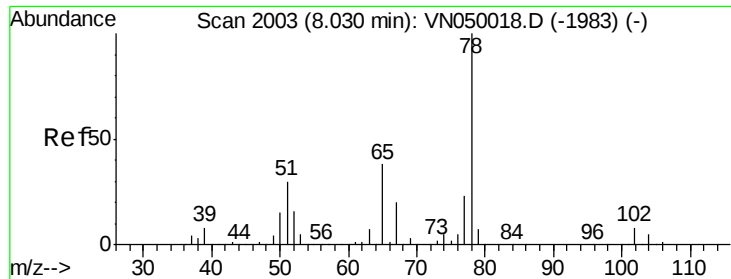
5000

0

4.90 5.00 5.10

Time-->

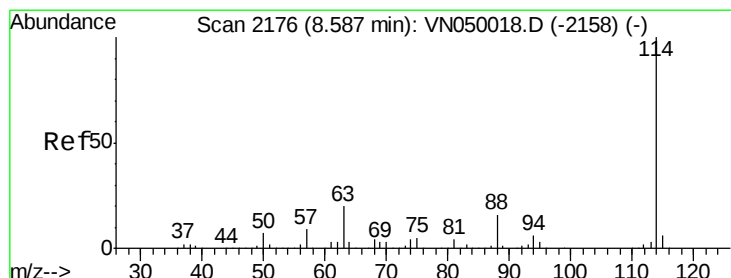
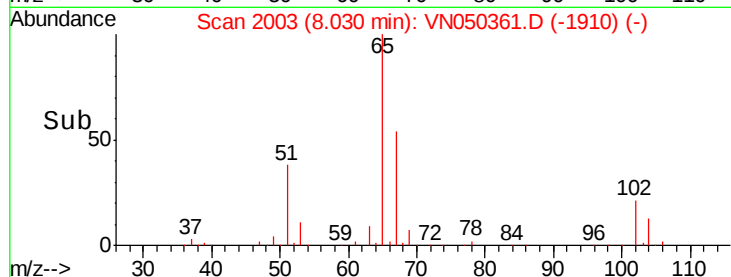
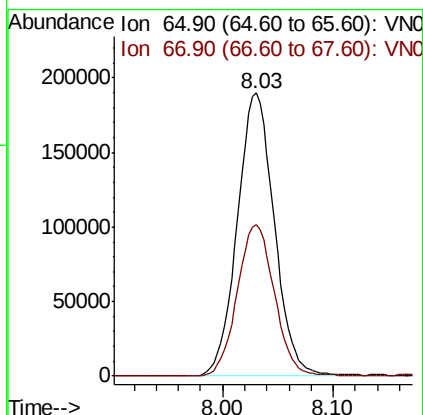
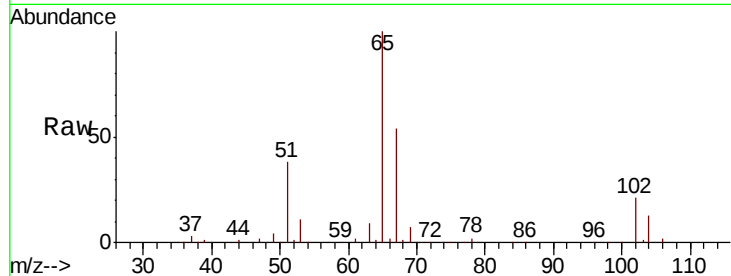




#33
 1,2-Dichloroethane-d4
 Concen: 48.94 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050361.D
 Acq: 4 Aug 2018 12:53

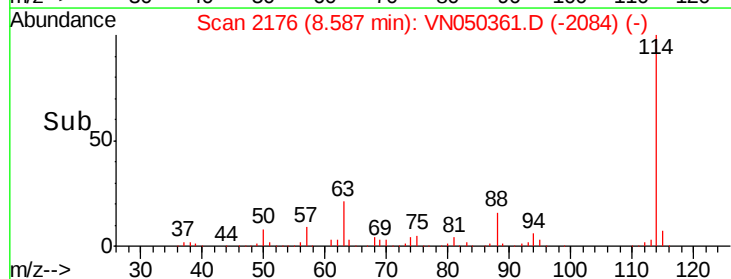
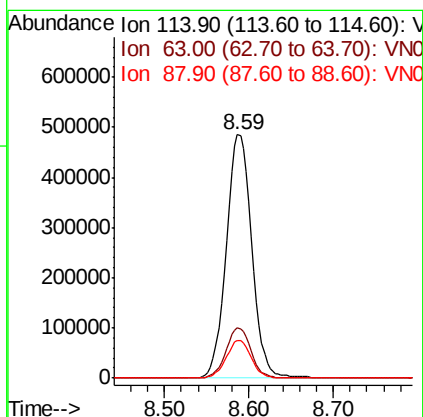
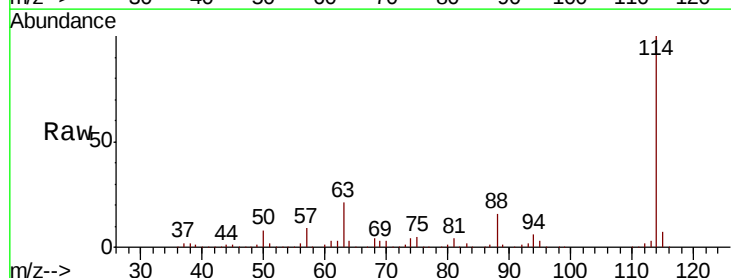
Instrument :
 MSVOA_N
 ClientSampled :

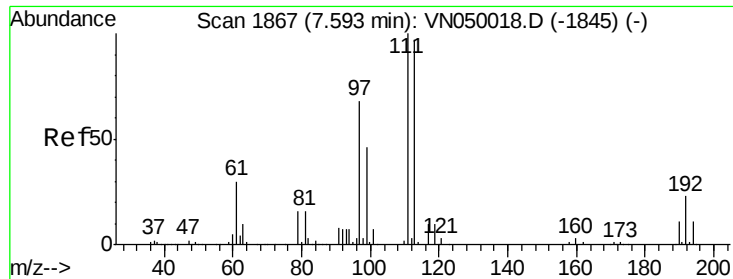
Tot Ion: 65 Resp: 441308
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050361.D
 Acq: 4 Aug 2018 12:53

Tgt Ion: 114 Resp: 1021557
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.51 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050361.D

Acq: 4 Aug 2018 12:53

Instrument :
MSVOA_N
ClientSampled :

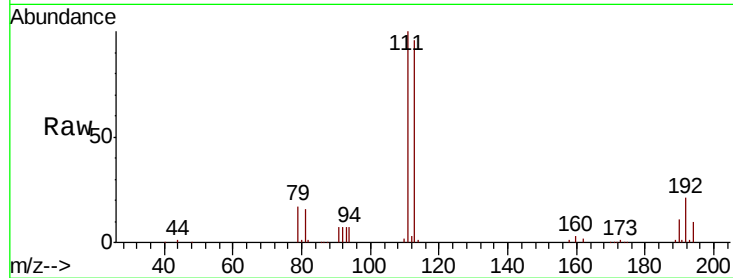
Tot Ion:113 Resp: 396279

Ion Ratio Lower Upper

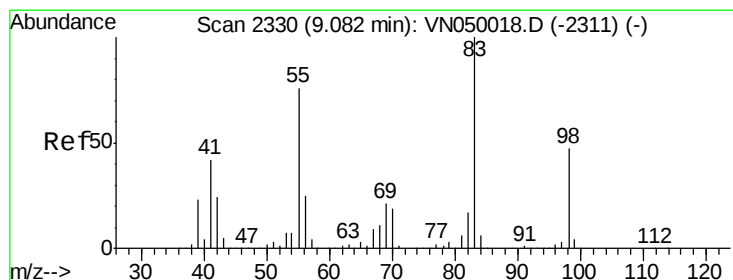
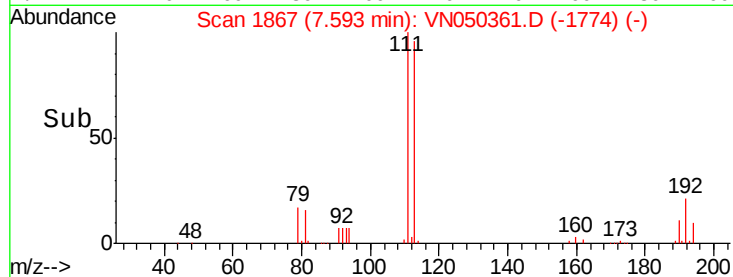
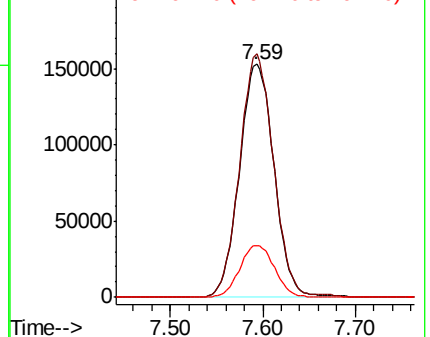
113 100

111 101.6 80.7 121.1

192 22.4 17.8 26.6



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



#39

Methylcyclohexane

Concen: 2.58 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050361.D

Acq: 4 Aug 2018 12:53

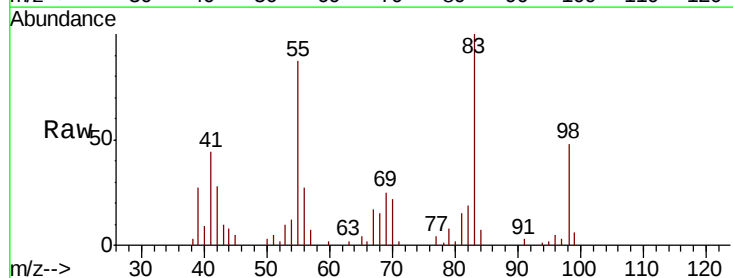
Tgt Ion: 83 Resp: 30540

Ion Ratio Lower Upper

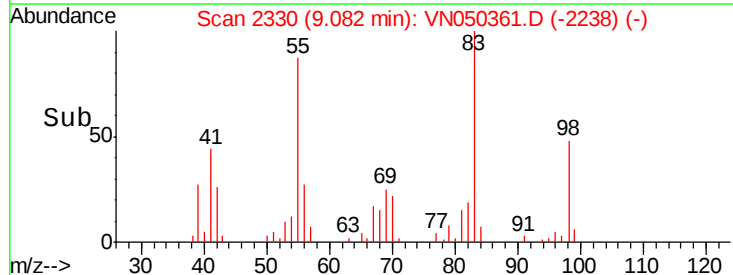
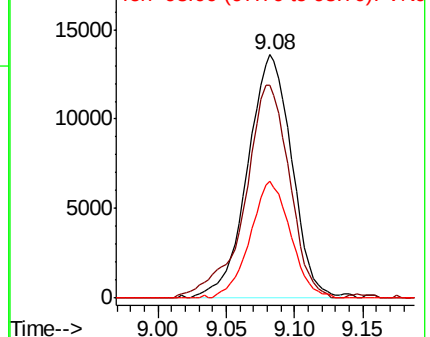
83 100

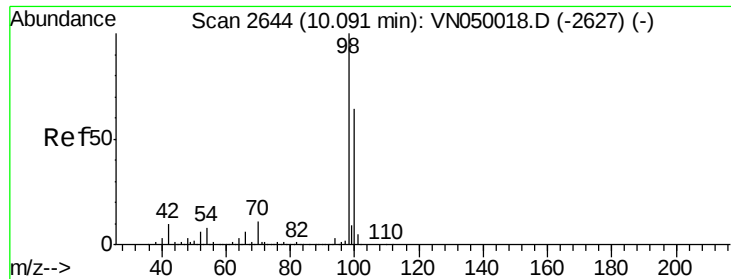
55 87.5 61.8 92.8

98 48.0 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

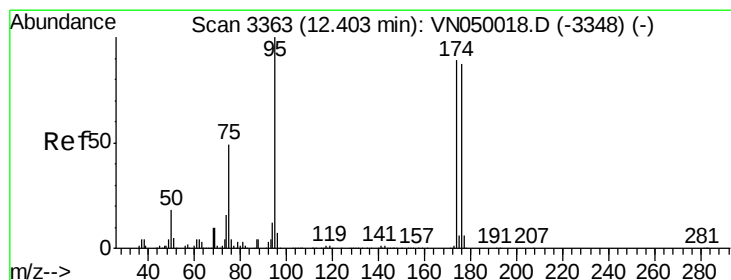
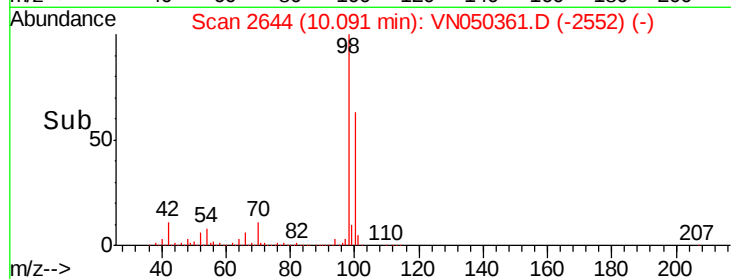
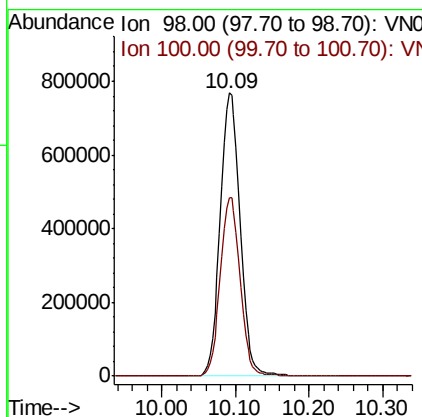
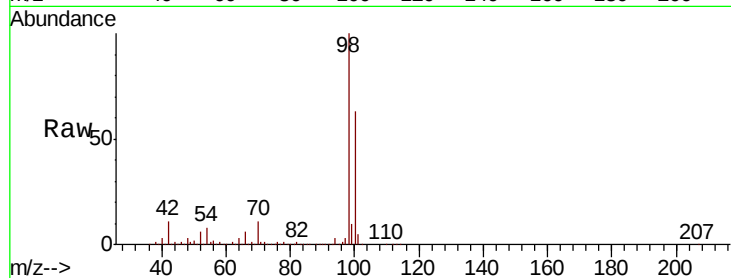




#50
Toluene-d8
Concen: 47.18 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050361.D
Acq: 4 Aug 2018 12:53

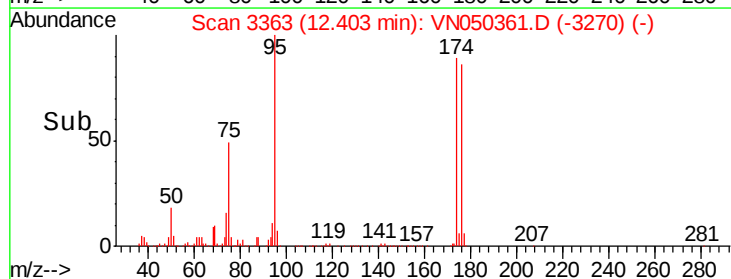
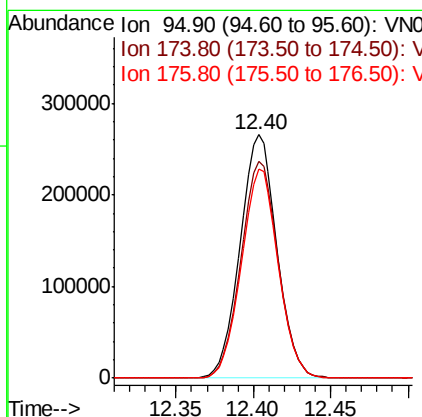
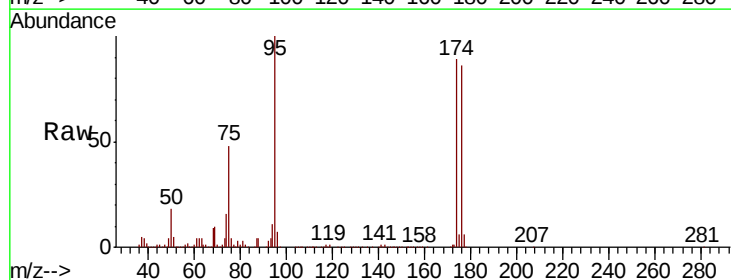
Instrument :
MSVOA_N
ClientSampled :

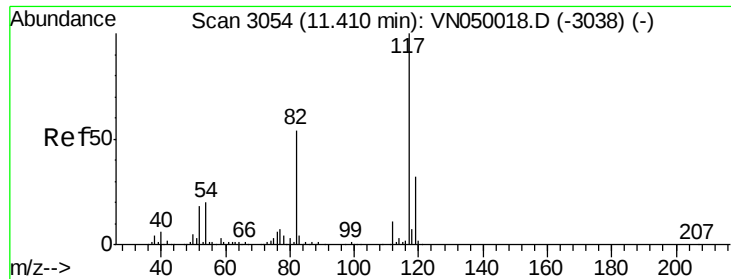
Tot Ion: 98 Resp: 1446710
Ion Ratio Lower Upper
98 100
100 63.0 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 43.28 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050361.D
Acq: 4 Aug 2018 12:53

Tgt Ion: 95 Resp: 436995
Ion Ratio Lower Upper
95 100
174 90.7 0.0 178.2
176 86.7 0.0 173.4

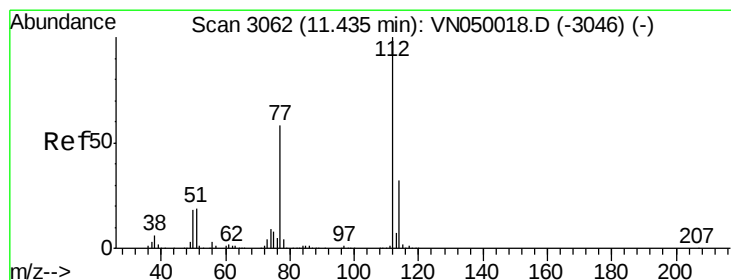
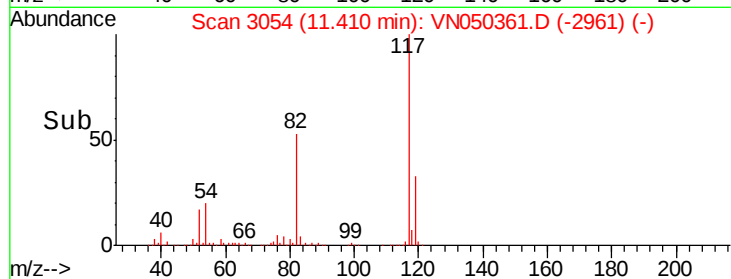
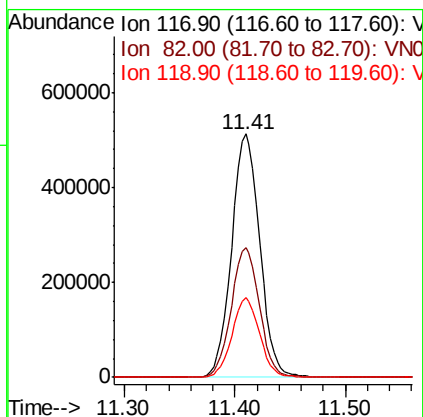
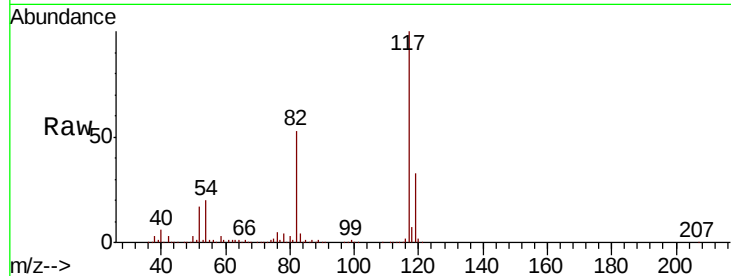




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050361.D
Acq: 4 Aug 2018 12:53

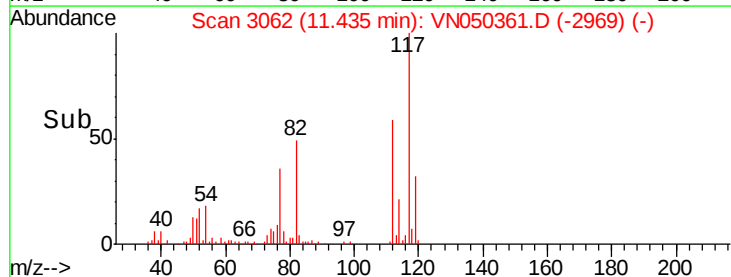
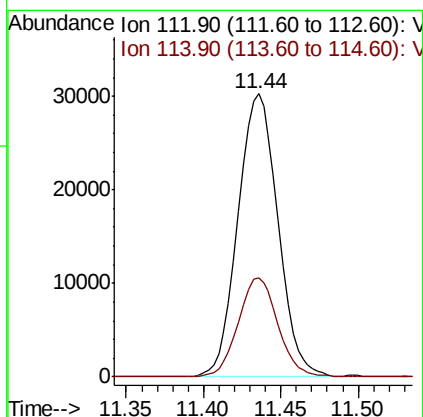
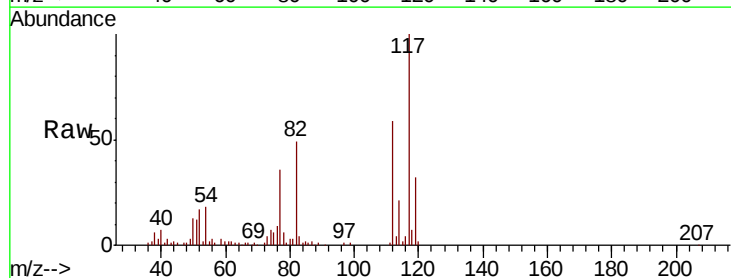
Instrument :
MSVOA_N
ClientSampleId :

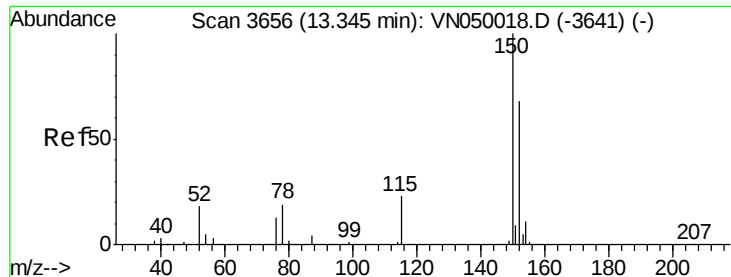
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.7	65.5
119	32.6	26.1	39.1



#65
Chlorobenzene
Concen: 2.37 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050361.D
Acq: 4 Aug 2018 12:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.0	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050361.D

Acq: 4 Aug 2018 12:53

Instrument :

MSVOA_N

ClientSampled :

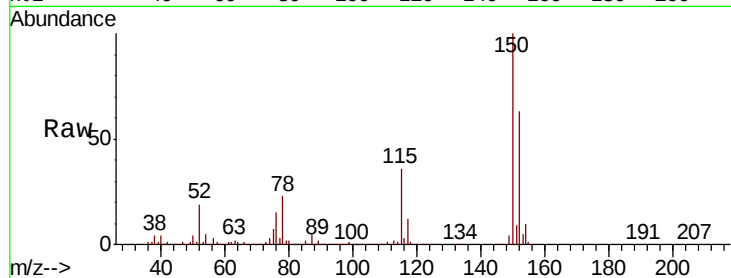
Tot Ion:152 Resp: 393190

Ion Ratio Lower Upper

152 100

115 56.3 27.8 83.3

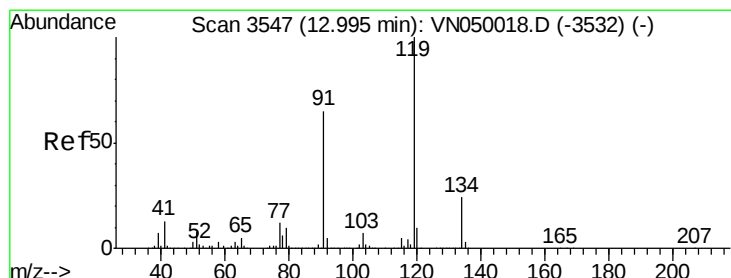
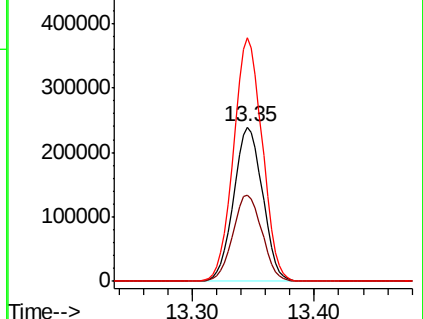
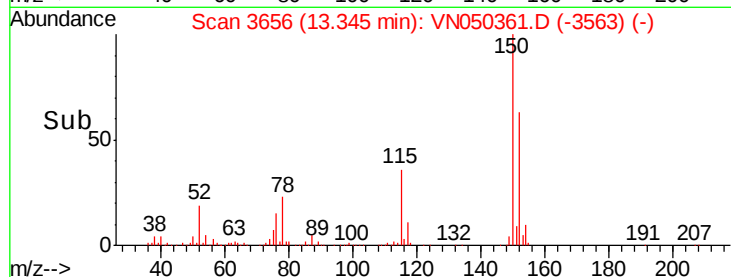
150 156.7 0.0 348.6



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



#83

tert-Butylbenzene

Concen: 0.31 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050361.D

Acq: 4 Aug 2018 12:53

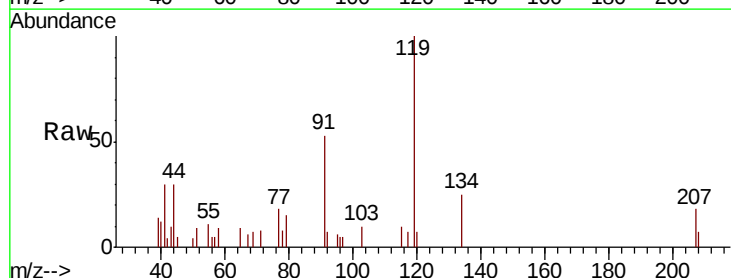
Tgt Ion:119 Resp: 6581

Ion Ratio Lower Upper

119 100

91 73.8 32.1 96.3

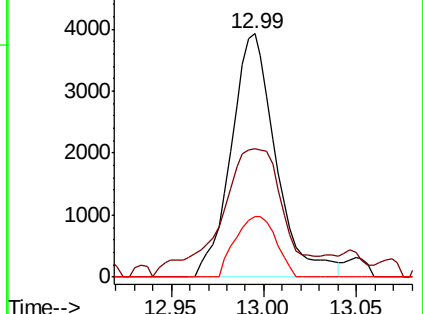
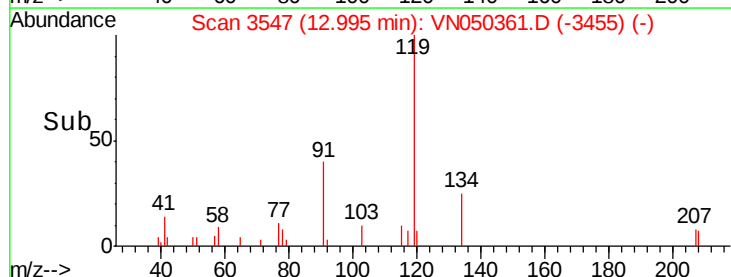
134 22.6 13.2 39.5

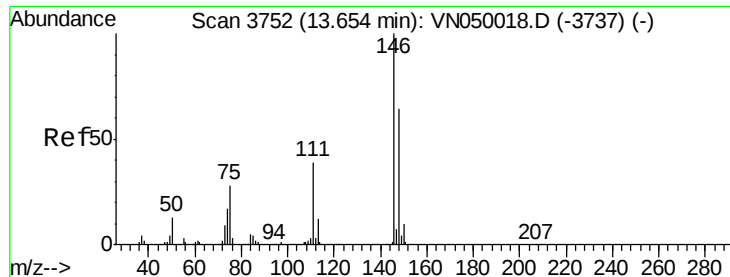


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

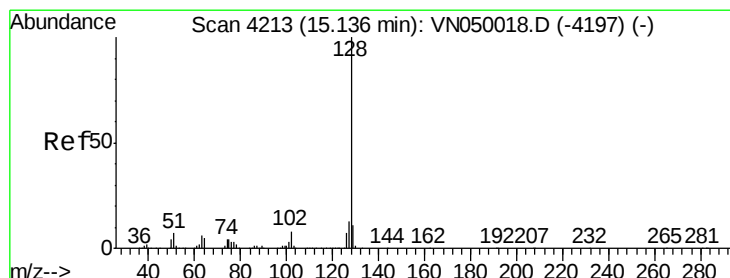
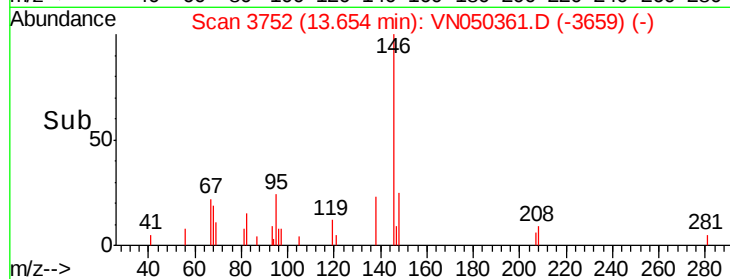
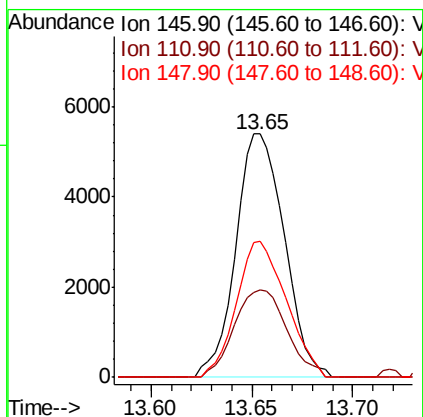
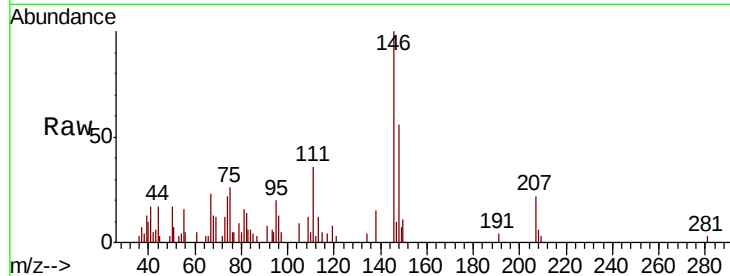




#91
 1,2-Dichlorobenzene
 Concen: 0.64 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050361.D
 Acq: 4 Aug 2018 12:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	57.2	32.1	96.3



#95
 Naphthalene
 Concen: 5.03 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050361.D
 Acq: 4 Aug 2018 12:53

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.4	15.6
129	11.6	8.8	13.2

