

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049380.D
 Acq On : 19 Jun 2018 7:58
 Operator : MD\SY
 Sample : J3432-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-42RR

Quant Time: Jun 19 08:55:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1254146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1880291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1527645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	412631	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	780591	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
35) Dibromofluoromethane	7.59	113	699062	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
50) Toluene-d8	10.09	98	2593592	44.78	ug/l	0.00
Spiked Amount			Recovery	=	89.56%	
62) 4-Bromofluorobenzene	12.40	95	640746	33.45	ug/l	0.00
Spiked Amount			Recovery	=	66.90%	

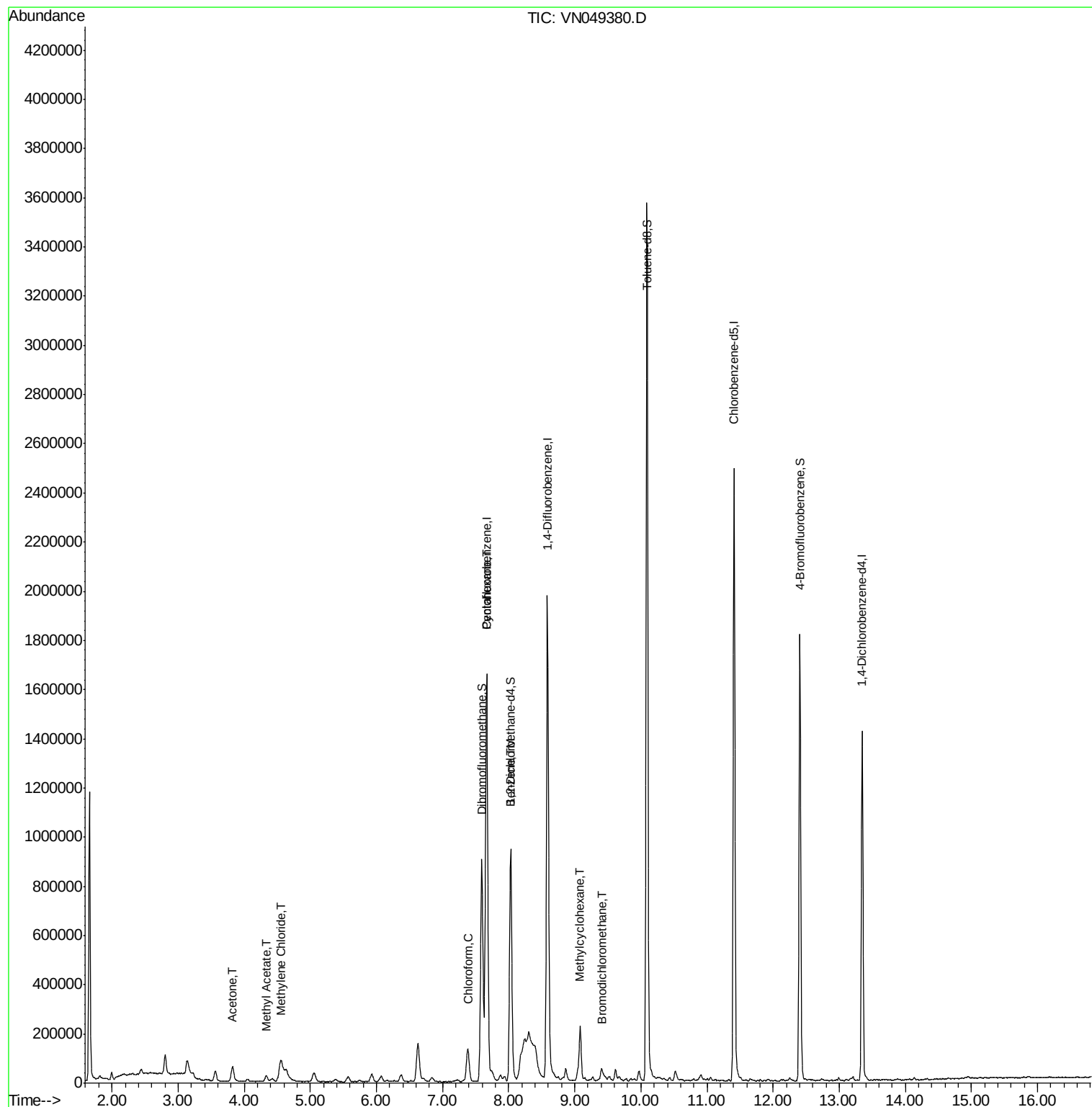
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	98938	24.497	ug/l	89
18) Methyl Acetate	4.33	43	46988	3.816	ug/l	94
20) Methylene Chloride	4.55	84	54886	3.254	ug/l #	83
30) Chloroform	7.37	83	93785	3.247	ug/l	99
31) Cyclohexane	7.66	56	165789	6.586	ug/l #	79
39) Methylcyclohexane	9.08	83	92981	4.019	ug/l	94
40) Benzene	8.04	78	95515	1.446	ug/l	99
47) Bromodichloromethane	9.40	83	34583	1.569	ug/l	93

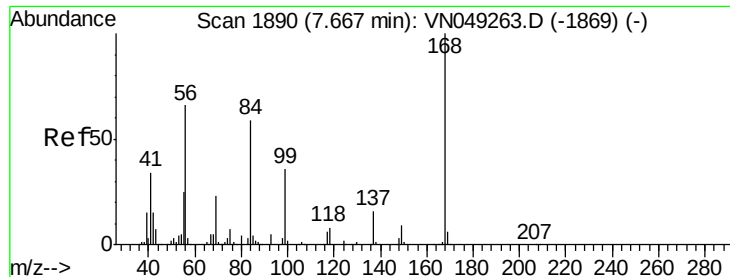
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 19 08:55:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049380.D

Acq: 19 Jun 2018 7:58

Instrument :

MSVOA_N

ClientSampleId :

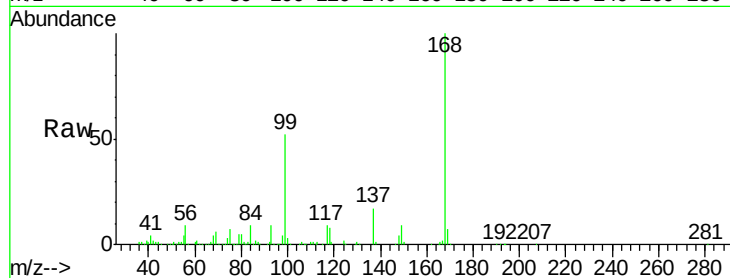
B-42RR

Tot Ion:168 Resp: 1254146

Ion Ratio Lower Upper

168 100

99 52.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

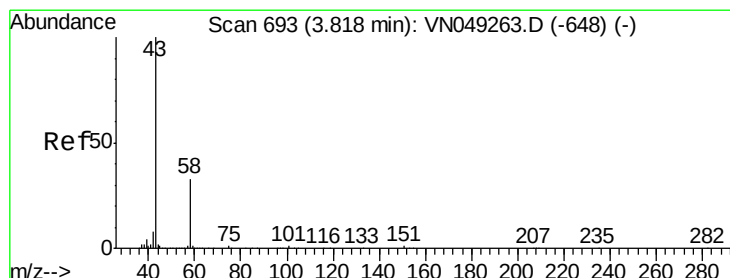
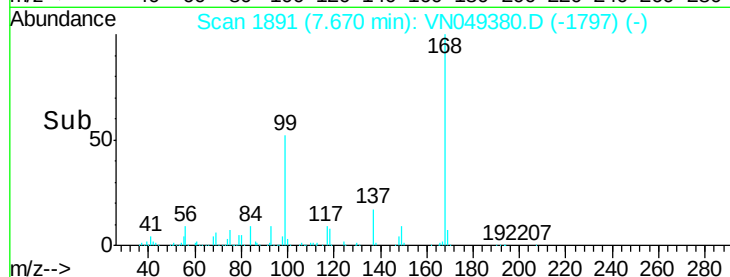
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 24.497 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049380.D

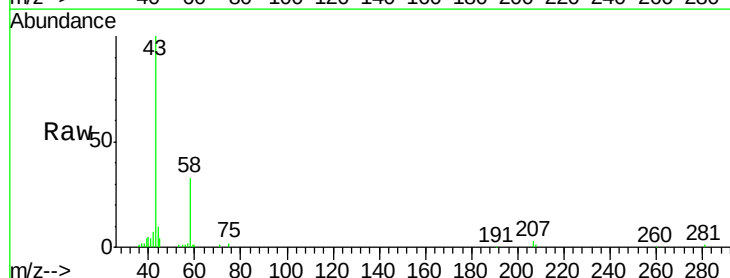
Acq: 19 Jun 2018 7:58

Tgt Ion: 43 Resp: 98938

Ion Ratio Lower Upper

43 100

58 33.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

40000

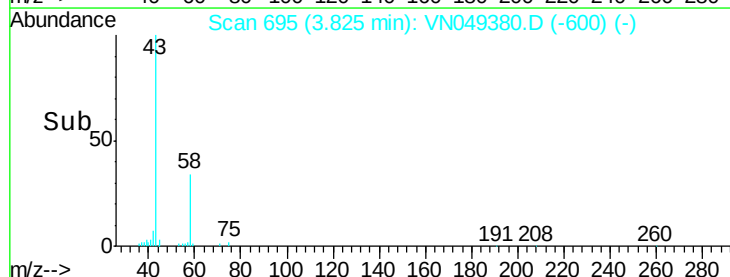
30000

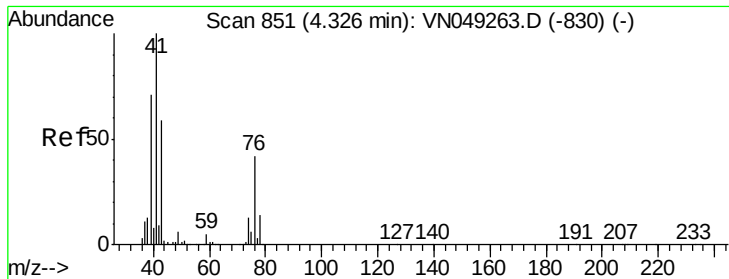
20000

10000

0

Time--> 3.70 3.80 3.90

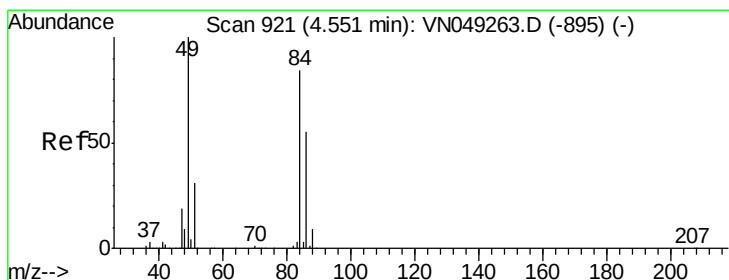
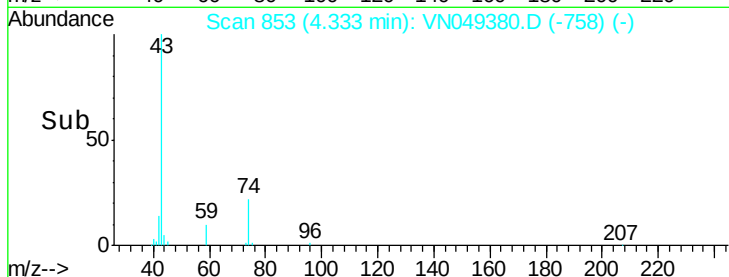
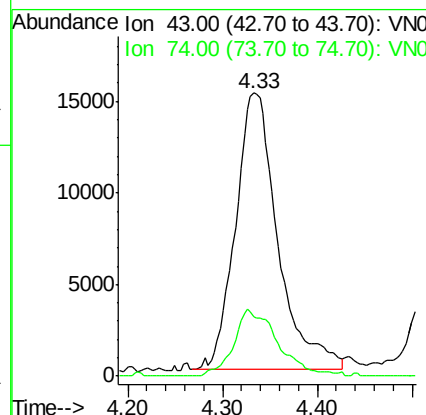
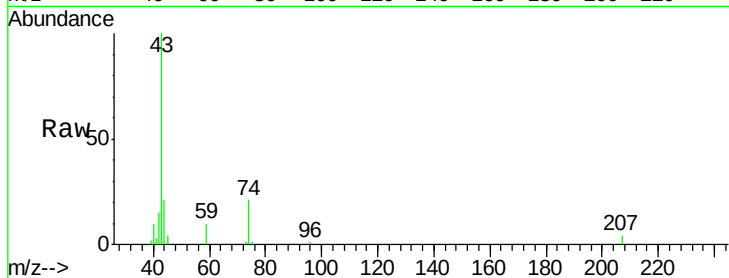




#18
Methvl Acetate
Concen: 3.816 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049380.D
Acq: 19 Jun 2018 7:58

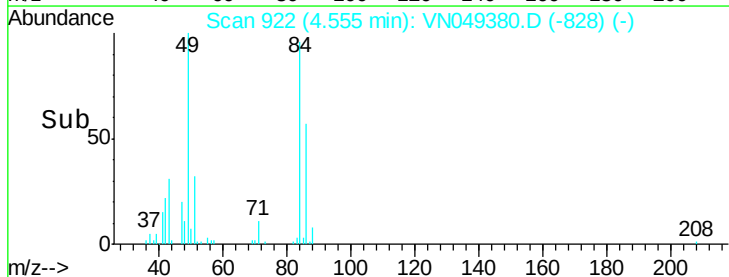
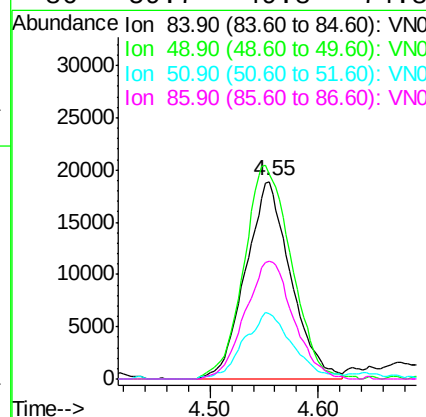
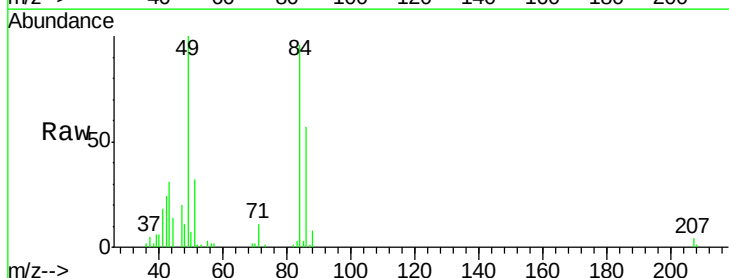
Instrument :
MSVOA_N
ClientSampleId :
B-42RR

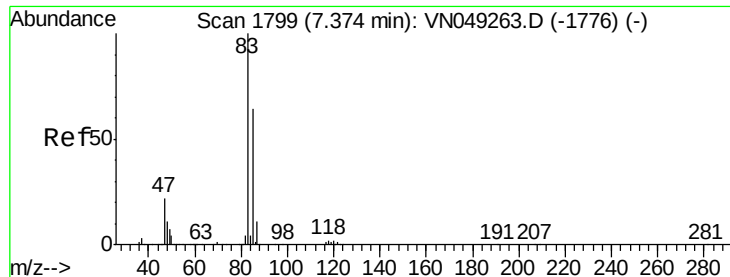
Tot Ion: 43 Resp: 46988
Ion Ratio Lower Upper
43 100
74 24.8 17.4 26.0



#20
Methylene Chloride
Concen: 3.254 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049380.D
Acq: 19 Jun 2018 7:58

Tgt Ion: 84 Resp: 54886
Ion Ratio Lower Upper
84 100
49 104.0 106.9 160.3#
51 33.2 32.7 49.1
86 59.7 49.8 74.8





#30

Chloroform

Concen: 3.247 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049380.D

Acq: 19 Jun 2018 7:58

Instrument :

MSVOA_N

ClientSampleId :

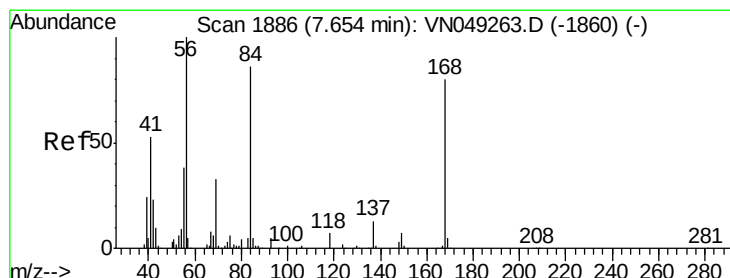
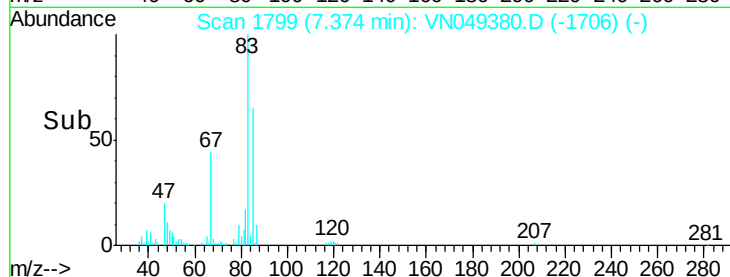
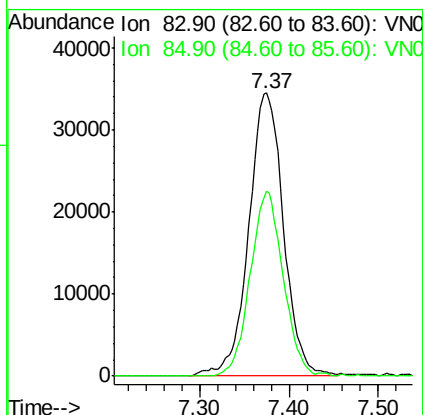
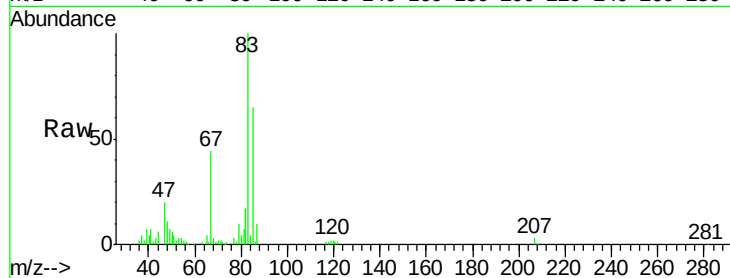
B-42RR

Tot Ion: 83 Resp: 93785

Ion Ratio Lower Upper

83 100

85 65.3 51.7 77.5



#31

Cyclohexane

Concen: 6.586 ug/l

RT: 7.66 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VN049380.D

Acq: 19 Jun 2018 7:58

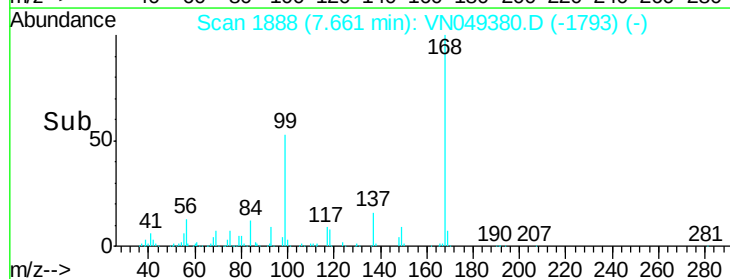
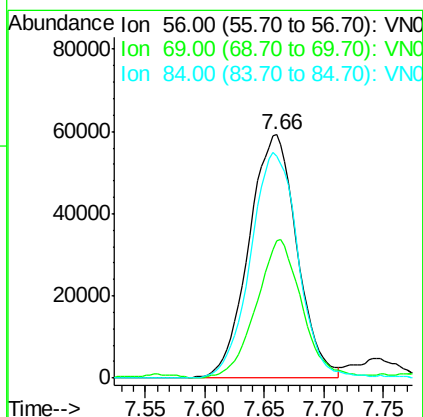
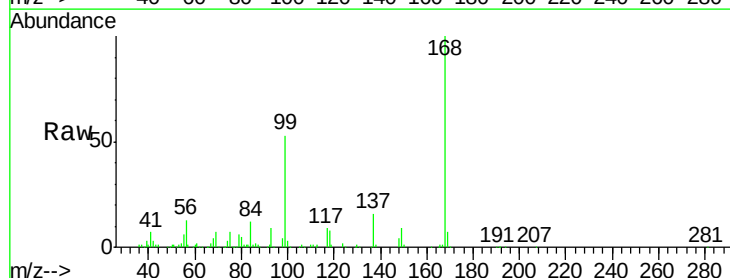
Tgt Ion: 56 Resp: 165789

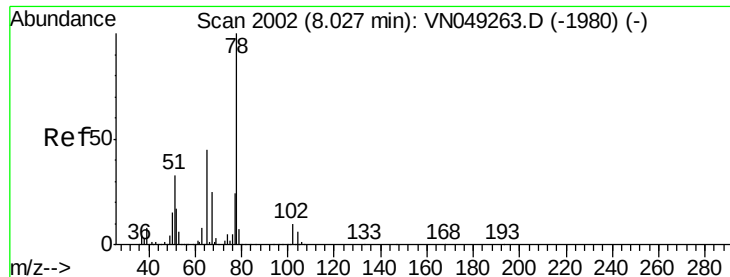
Ion Ratio Lower Upper

56 100

69 55.9 25.0 37.4#

84 91.4 64.6 96.8

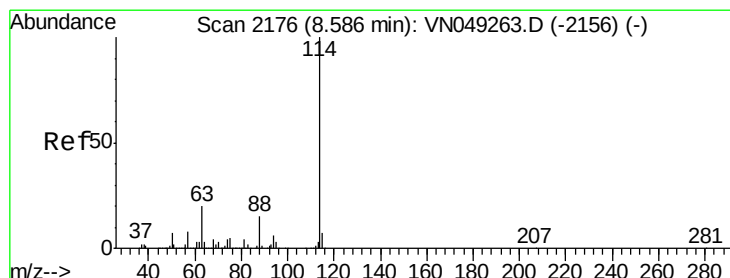
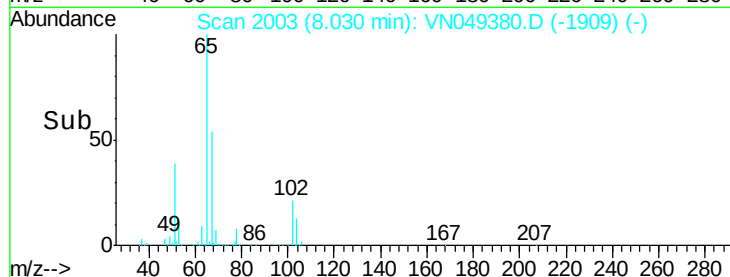
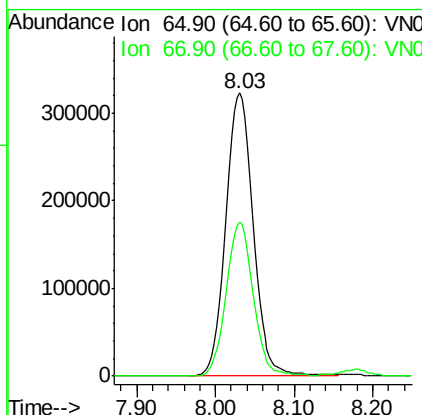
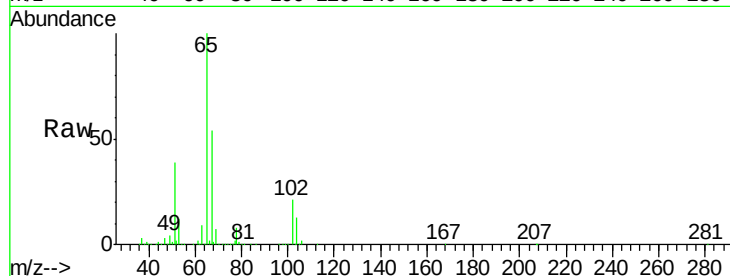




#33
 1,2-Dichloroethane-d4
 Concen: 46.927 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049380.D
 Acq: 19 Jun 2018 7:58

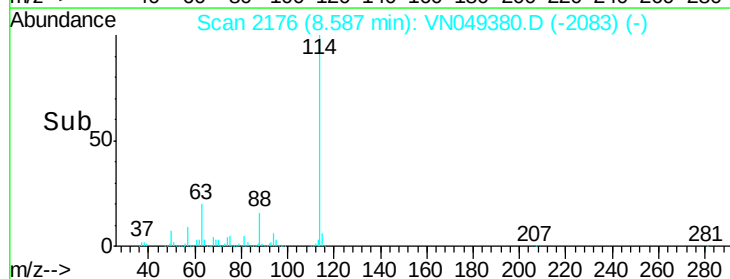
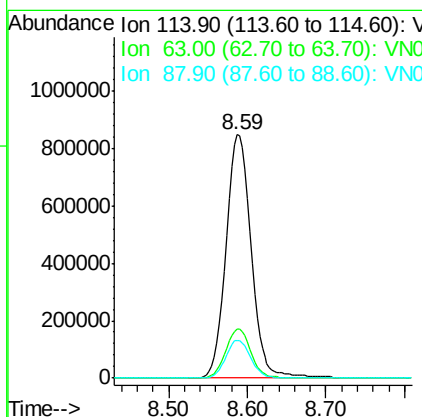
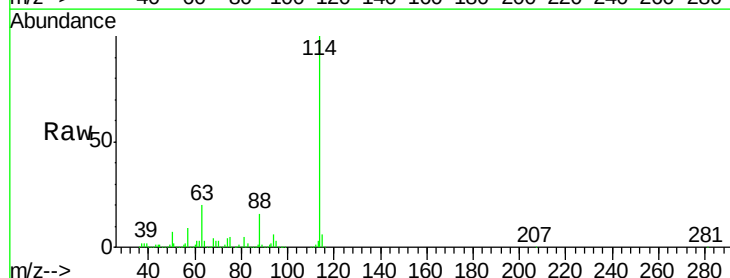
Instrument :
 MSVOA_N
 ClientSampleId :
 B-42RR

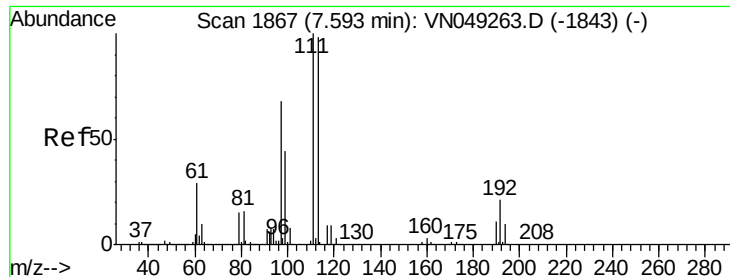
Tot Ion: 65 Resp: 780591
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049380.D
 Acq: 19 Jun 2018 7:58

Tgt Ion: 114 Resp: 1880291
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 44.4
 88 15.6 0.0 31.4

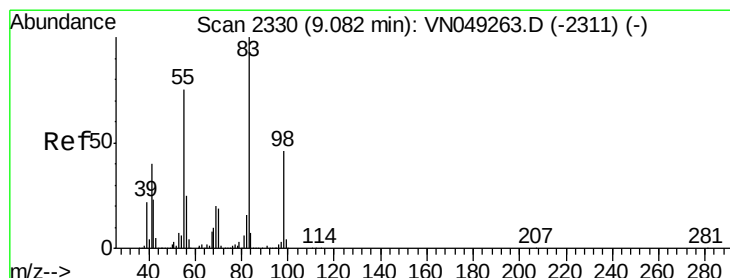
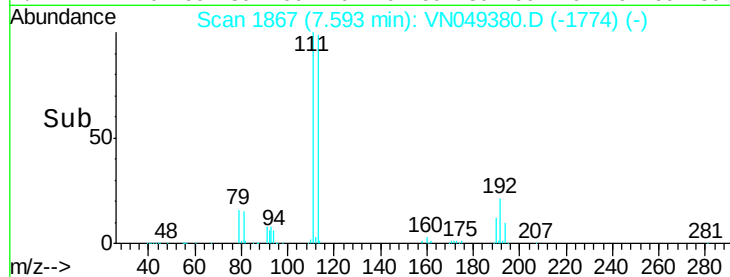
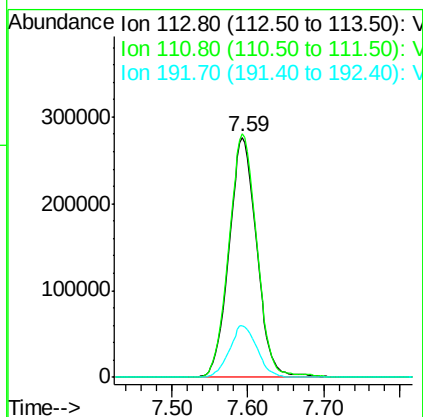
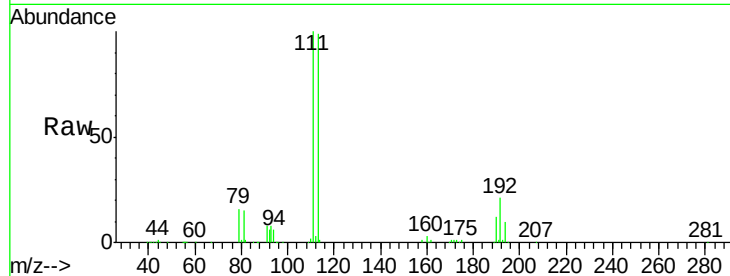




#35
 Dibromofluoromethane
 Concen: 45.954 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049380.D
 Acq: 19 Jun 2018 7:58

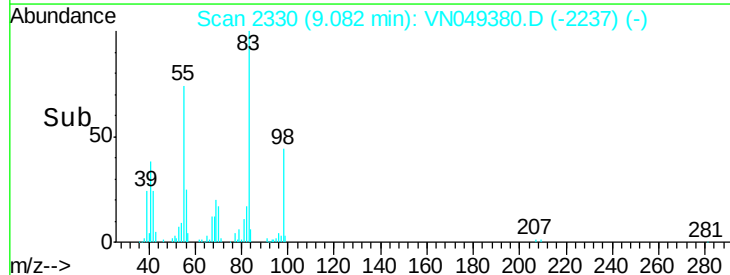
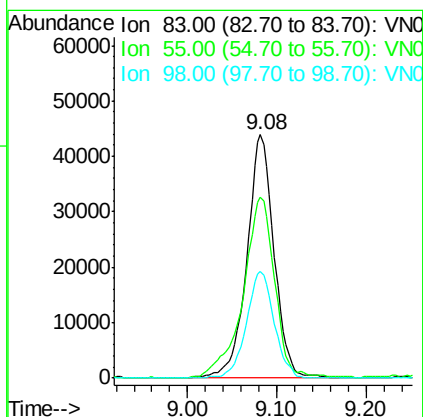
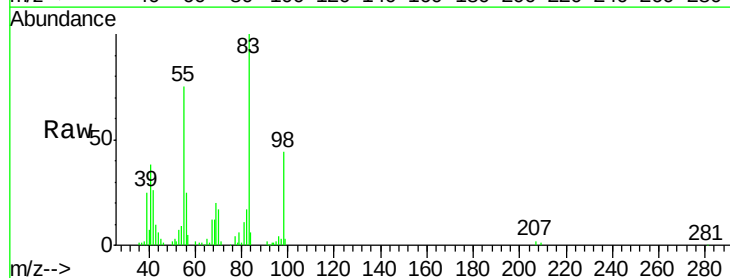
Instrument :
 MSVOA_N
 ClientSampleId :
 B-42RR

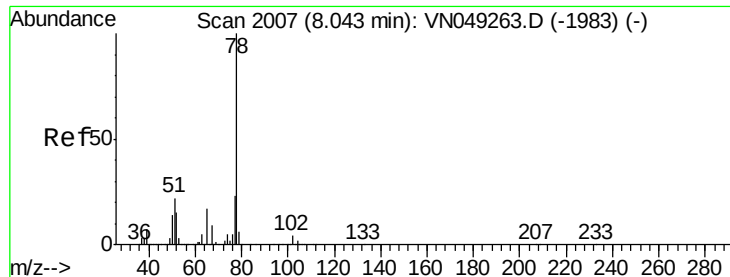
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.4	123.6
192	21.6	15.0	22.6



#39
 Methylcyclohexane
 Concen: 4.019 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN049380.D
 Acq: 19 Jun 2018 7:58

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.5	65.1	97.7
98	43.6	36.5	54.7





#40

Benzene

Concen: 1.446 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049380.D

Acq: 19 Jun 2018 7:58

Instrument :

MSVOA_N

ClientSampleId :

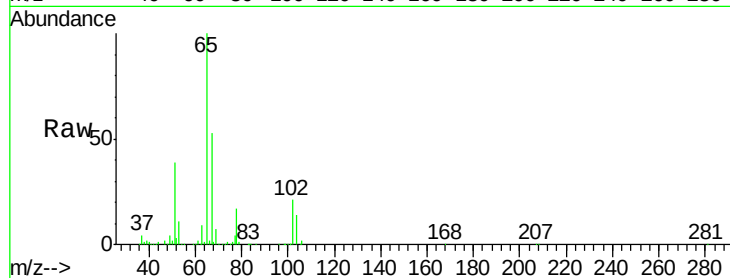
B-42RR

Tot Ion: 78 Resp: 95515

Ion Ratio Lower Upper

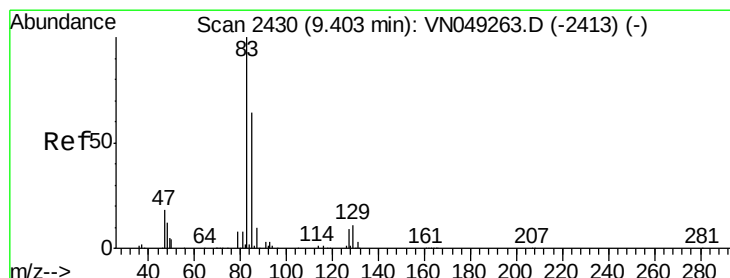
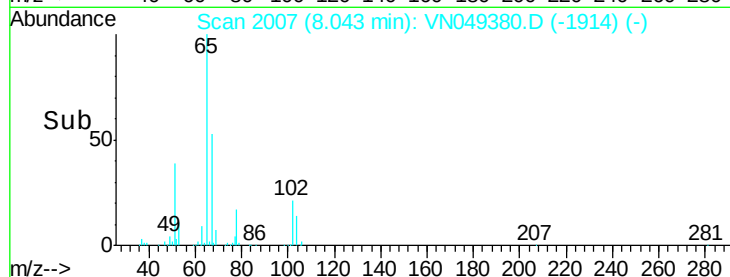
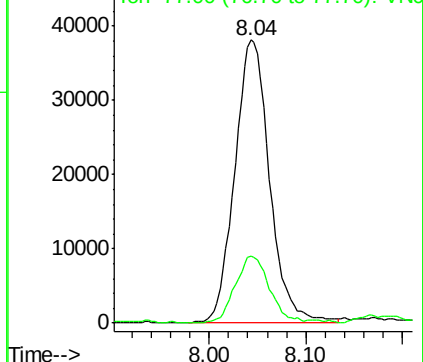
78 100

77 23.8 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#47

Bromodichloromethane

Concen: 1.569 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049380.D

Acq: 19 Jun 2018 7:58

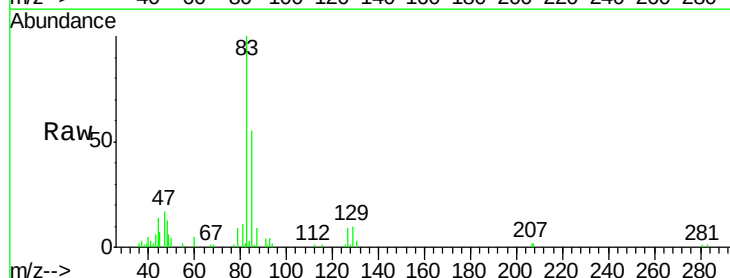
Tgt Ion: 83 Resp: 34583

Ion Ratio Lower Upper

83 100

85 56.1 49.4 74.0

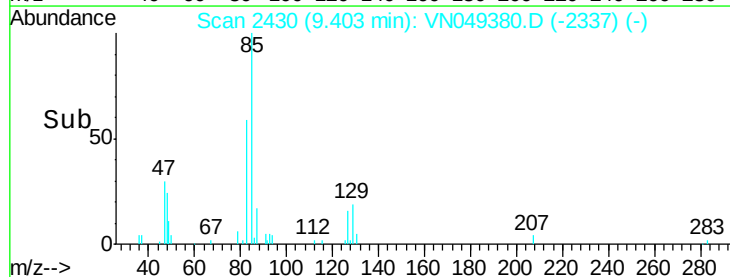
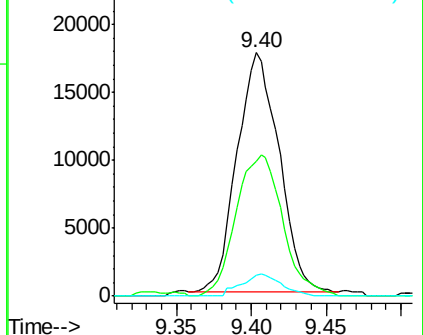
127 8.7 6.3 9.5

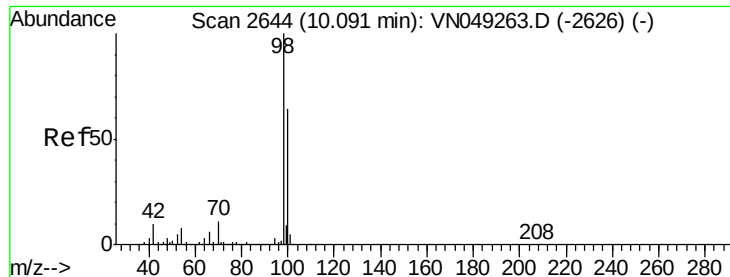


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 44.776 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049380.D

Acq: 19 Jun 2018 7:58

Instrument :

MSVOA_N

ClientSampled :

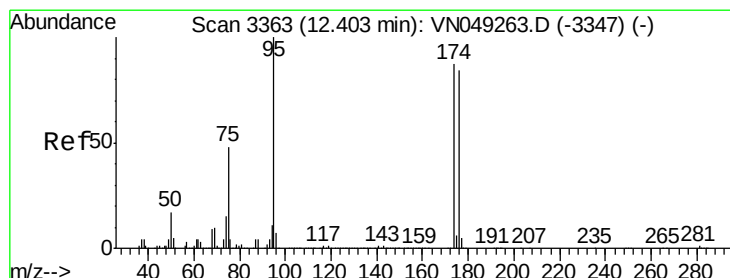
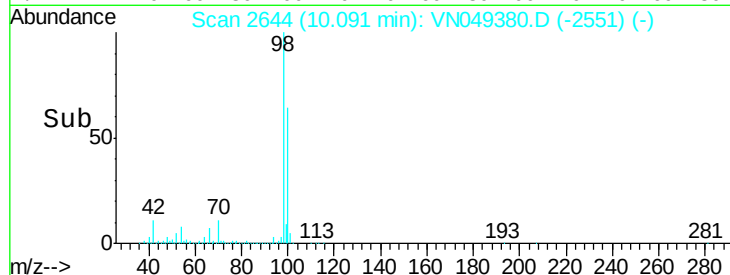
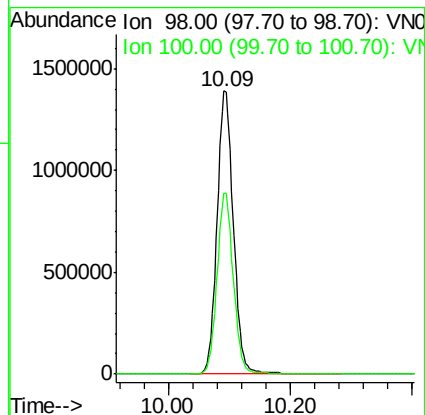
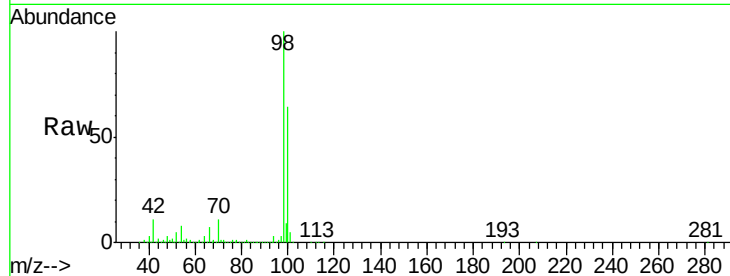
B-42RR

Tot Ion: 98 Resp: 2593592

Ion Ratio Lower Upper

98 100

100 63.7 49.8 74.8



#62

4-Bromofluorobenzene

Concen: 33.455 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049380.D

Acq: 19 Jun 2018 7:58

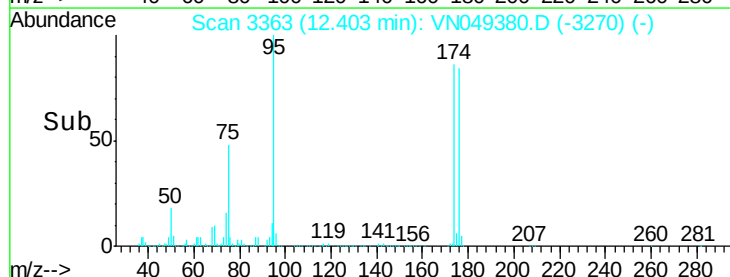
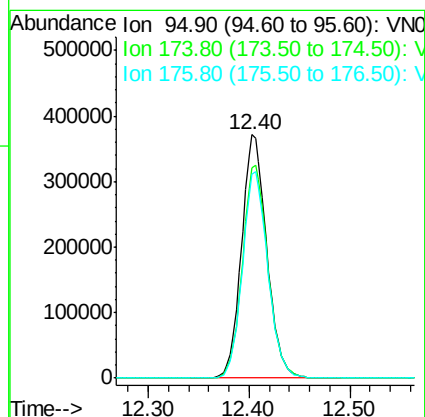
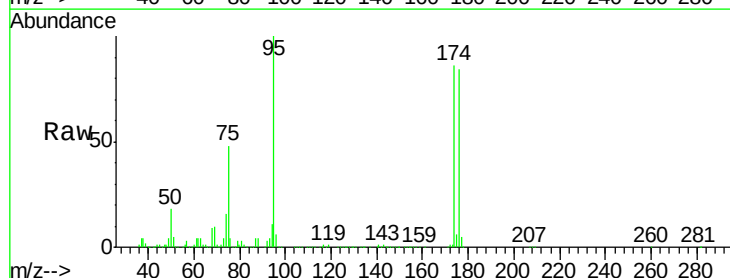
Tgt Ion: 95 Resp: 640746

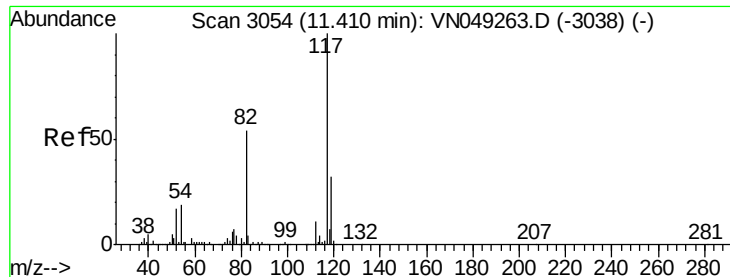
Ion Ratio Lower Upper

95 100

174 88.3 0.0 165.6

176 85.1 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049380.D

Acq: 19 Jun 2018 7:58

Instrument :

MSVOA_N

ClientSampled :

B-42RR

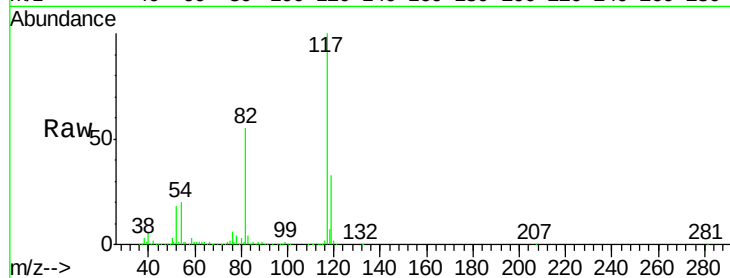
Tot Ion:117 Resp: 1527645

Ion Ratio Lower Upper

117 100

82 54.8 45.9 68.9

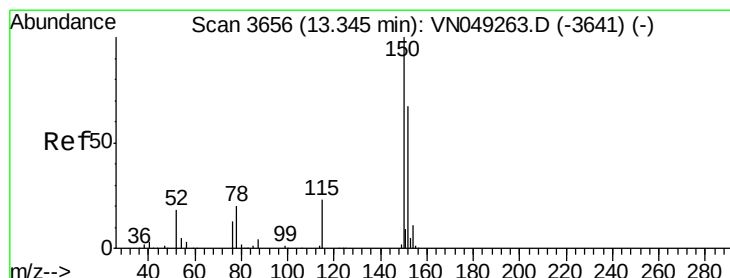
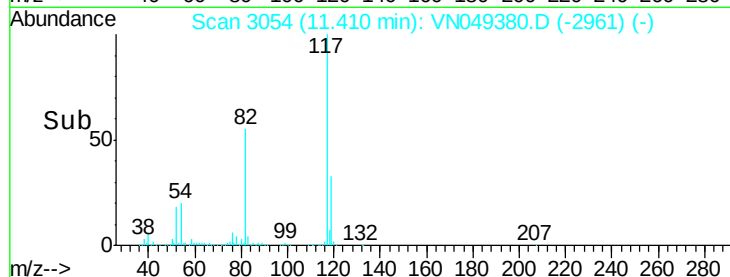
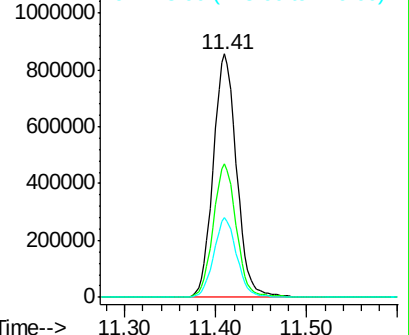
119 32.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049380.D

Acq: 19 Jun 2018 7:58

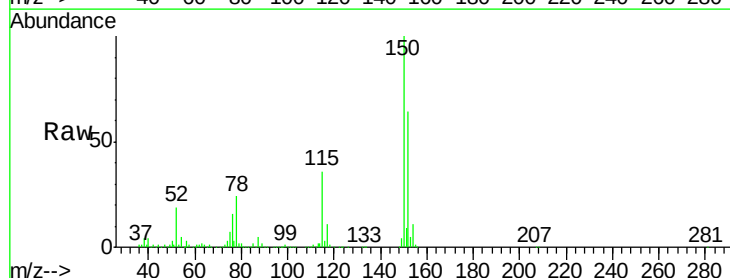
Tgt Ion:152 Resp: 412631

Ion Ratio Lower Upper

152 100

115 57.3 28.7 86.1

150 157.9 0.0 351.0



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

