

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053804.D
 Acq On : 15 Feb 2019 17:05
 Operator : JC/SP
 Sample : K1346-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-021419-B

Quant Time: Feb 16 00:06:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	678175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1116149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1042119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	410820	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	363241	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
35) Dibromofluoromethane	7.59	113	356246	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	10.09	98	1439612	54.36	ug/l	0.00
Spiked Amount			Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.40	95	441535	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	

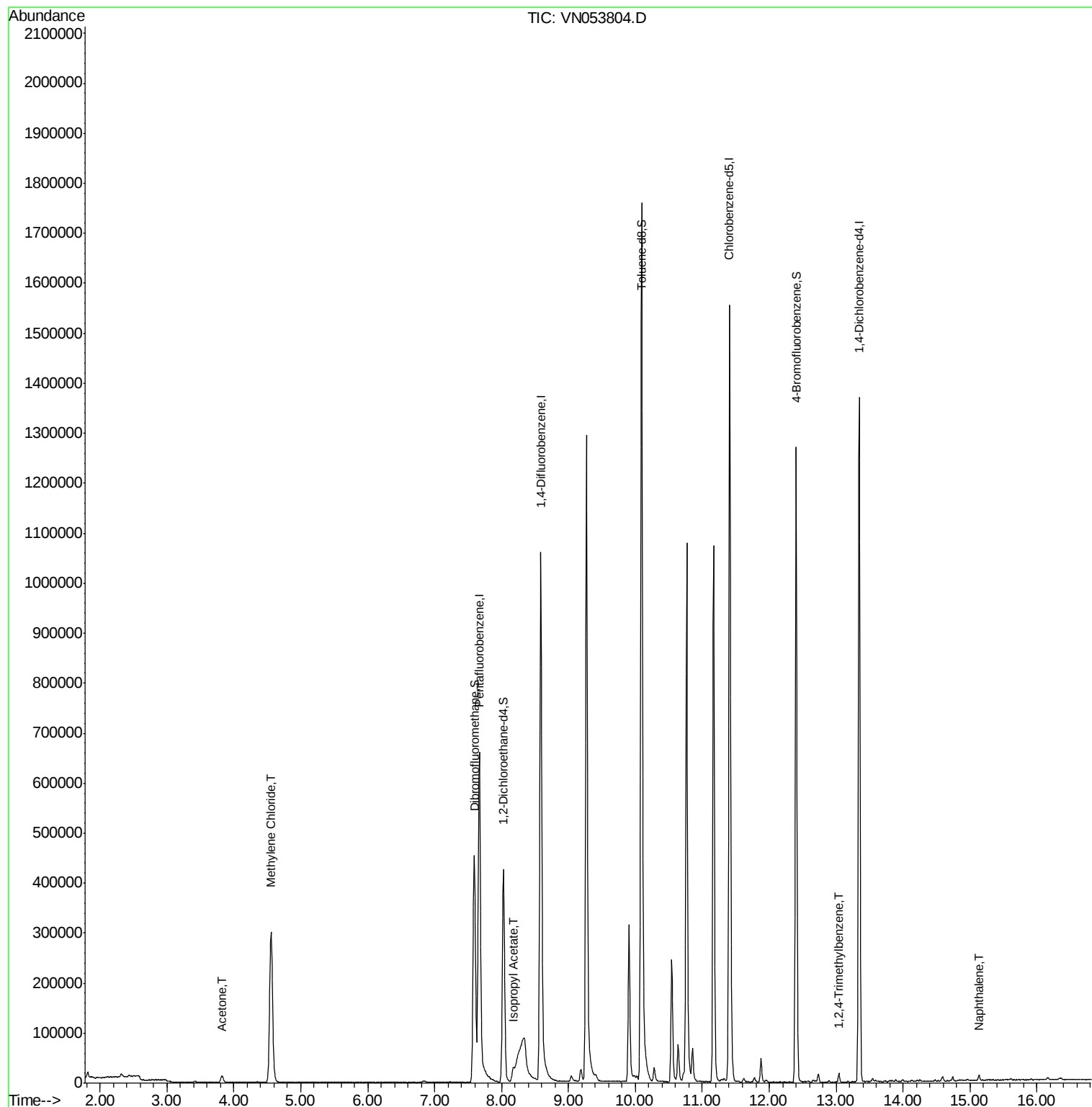
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	23748	13.608	ug/l	94
20) Methylene Chloride	4.55	84	243629	33.276	ug/l	97
43) Isopropyl Acetate	8.17	43	33365	3.075	ug/l #	77
84) 1,2,4-Trimethylbenzene	13.04	105	10757	0.441	ug/l	96
95) Naphthalene	15.14	128	10574	2.302	ug/l	97

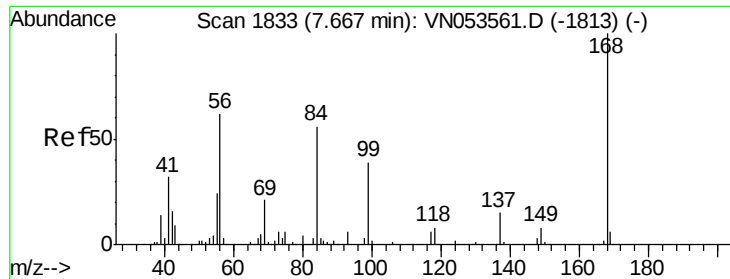
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053804.D

Acq: 15 Feb 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

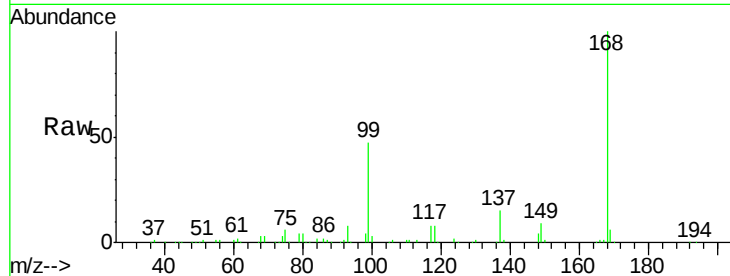
CL-01-021419-B

Tot Ion:168 Resp: 678175

Ion Ratio Lower Upper

168 100

99 46.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

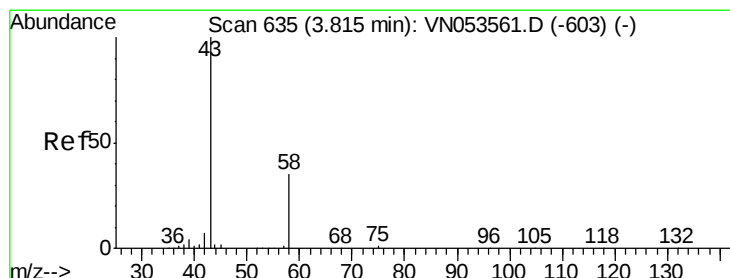
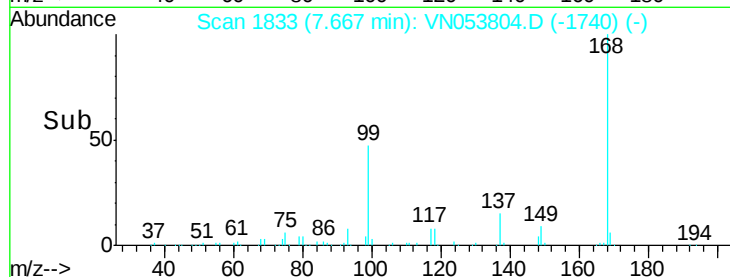
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 13.608 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053804.D

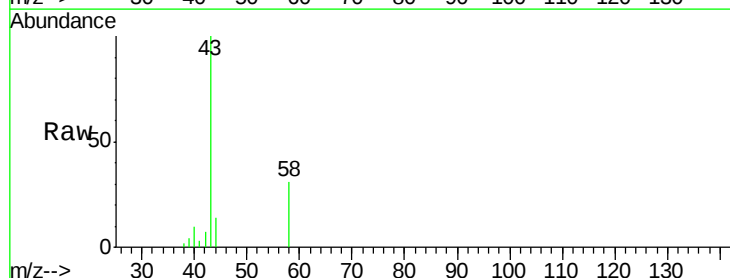
Acq: 15 Feb 2019 17:05

Tgt Ion: 43 Resp: 23748

Ion Ratio Lower Upper

43 100

58 30.6 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

8000

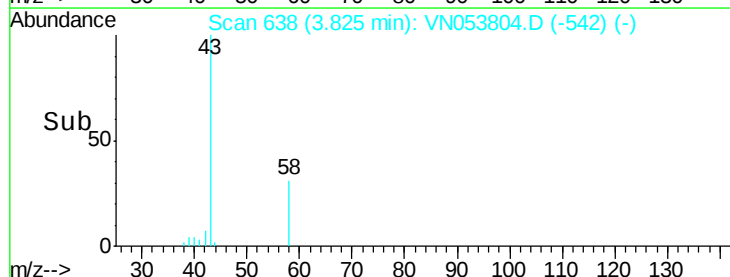
6000

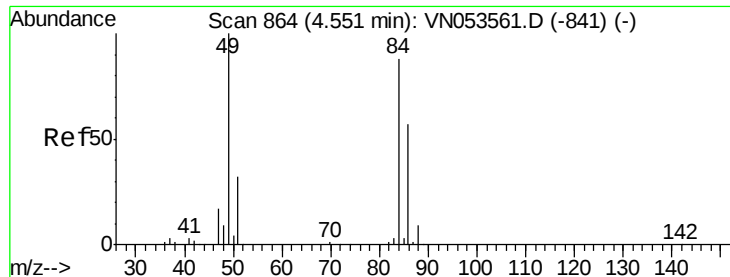
4000

2000

0

Time--> 3.70 3.80 3.90

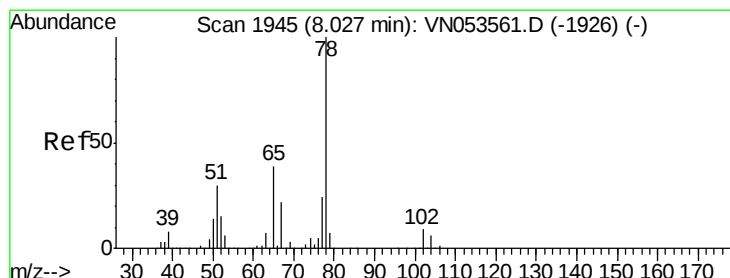
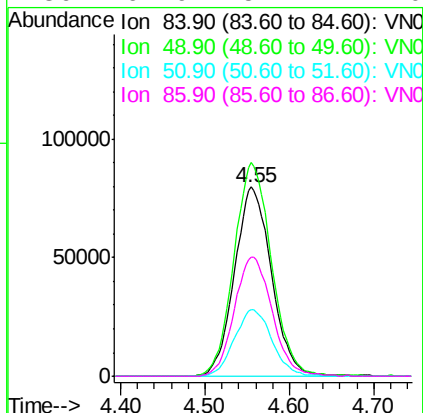
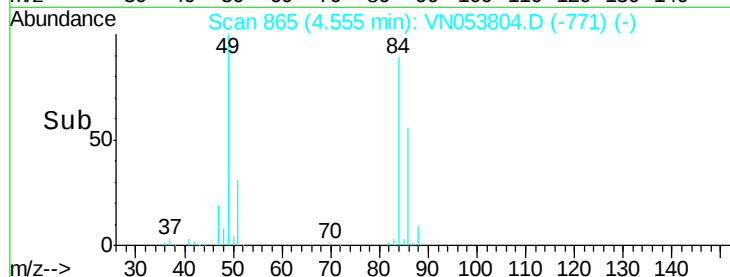
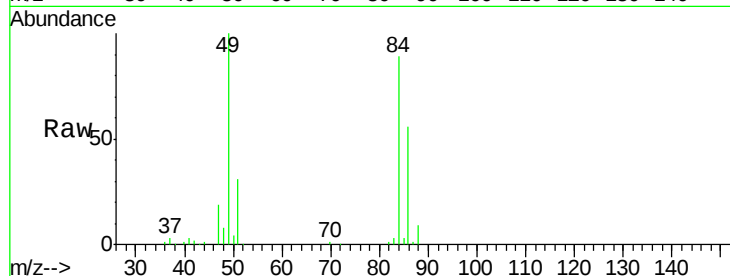




#20
Methvlene Chloride
Concen: 33.276 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053804.D
Acq: 15 Feb 2019 17:05

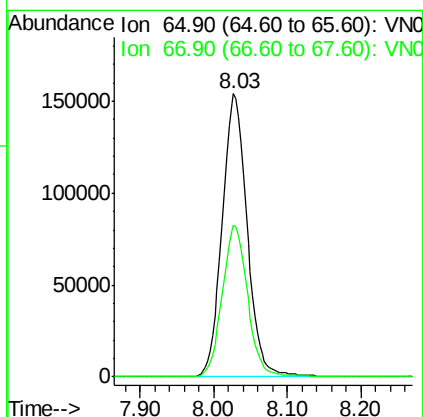
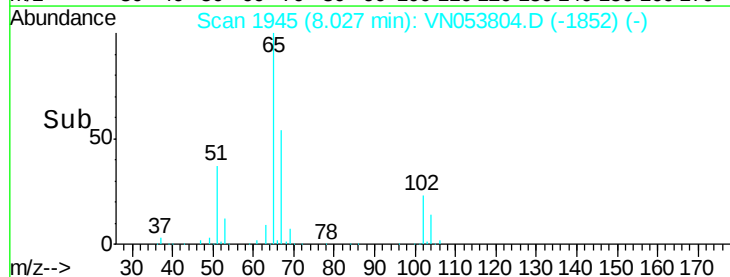
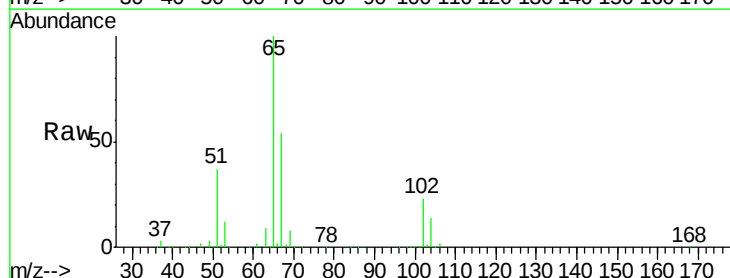
Instrument :
MSVOA_N
ClientSampleId :
CL-01-021419-B

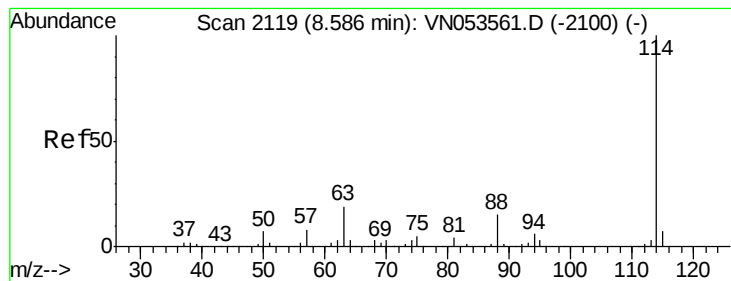
Tot Ion: 84 Resp: 243629
Ion Ratio Lower Upper
84 100
49 112.8 94.3 141.5
51 35.4 29.4 44.2
86 62.9 51.4 77.0



#33
1,2-Dichloroethane-d4
Concen: 53.391 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053804.D
Acq: 15 Feb 2019 17:05

Tgt Ion: 65 Resp: 363241
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053804.D

Acq: 15 Feb 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

CL-01-021419-B

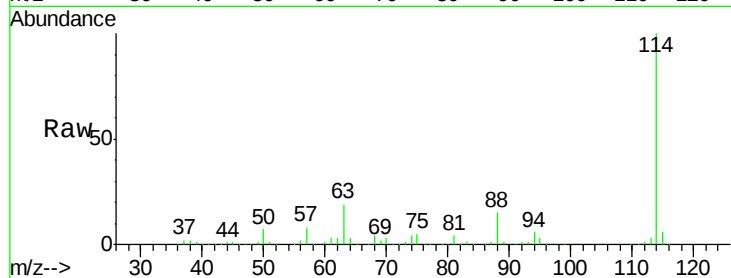
Tot Ion:114 Resp: 1116149

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

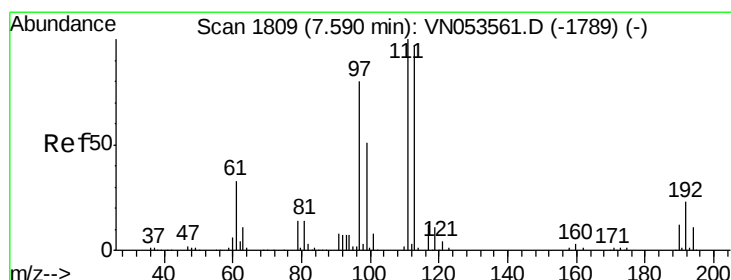
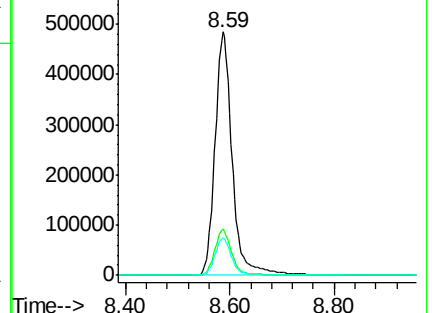
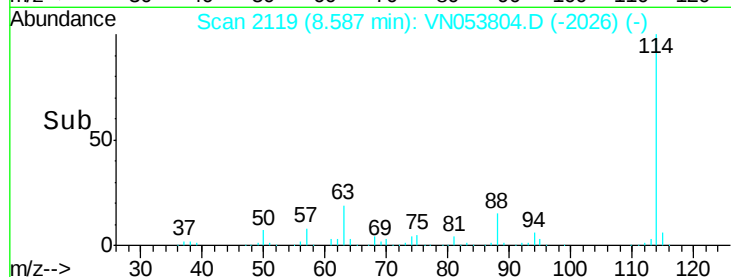
88 15.2 0.0 30.4



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: 50.513 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053804.D

Acq: 15 Feb 2019 17:05

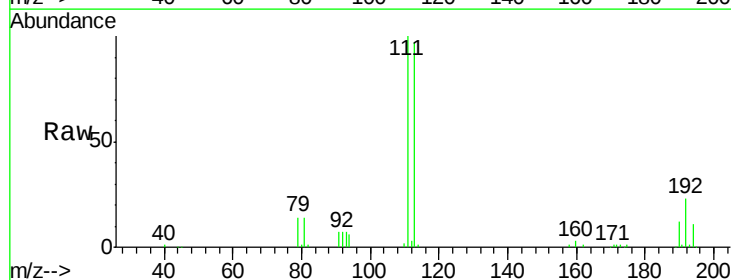
Tgt Ion:113 Resp: 356246

Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

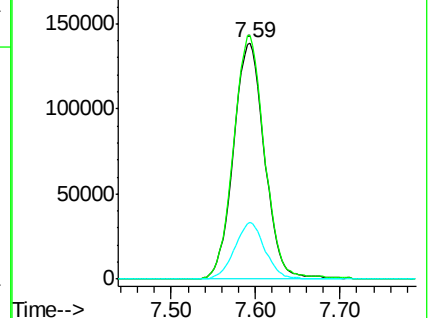
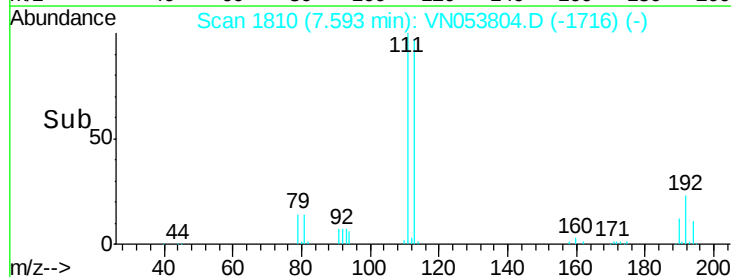
192 23.4 18.2 27.2

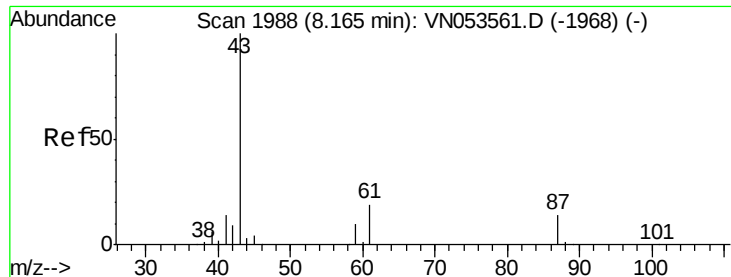


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.075 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053804.D

Acq: 15 Feb 2019 17:05

Instrument :

MSVOA_N

ClientSampled :

CL-01-021419-B

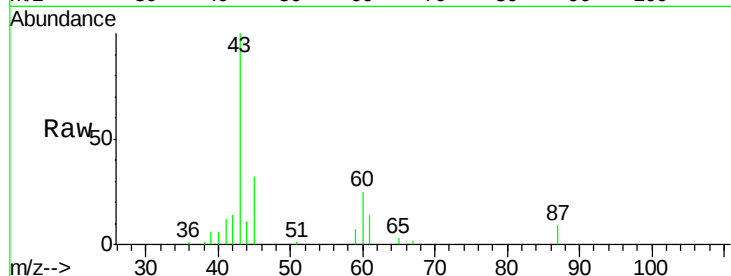
Tot Ion: 43 Resp: 33365

Ion Ratio Lower Upper

43 100

61 14.7 23.9 35.9#

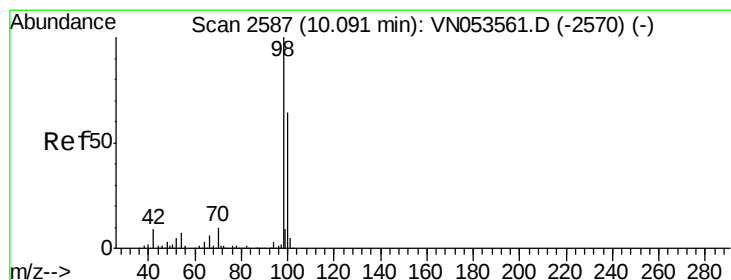
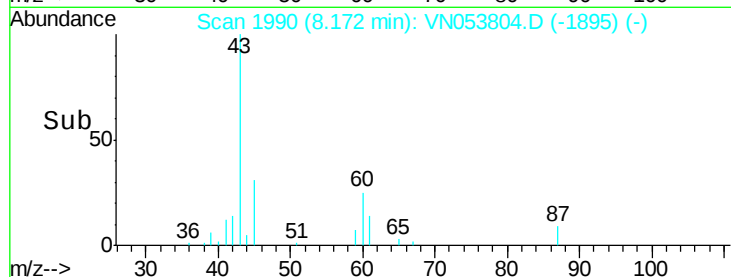
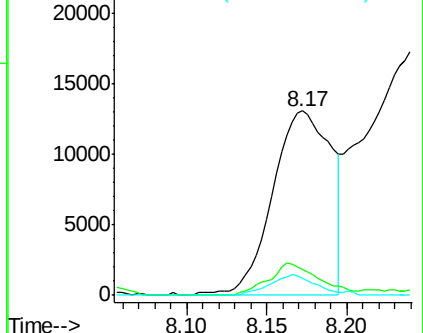
87 8.8 11.0 16.6#



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: 54.364 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053804.D

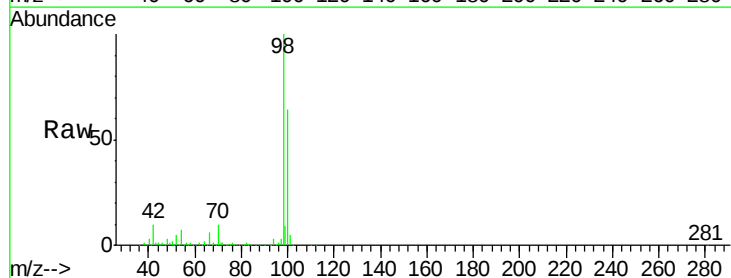
Acq: 15 Feb 2019 17:05

Tgt Ion: 98 Resp: 1439612

Ion Ratio Lower Upper

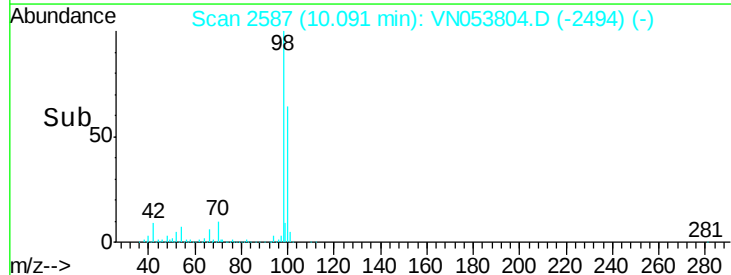
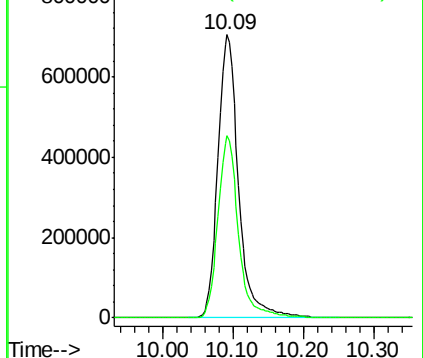
98 100

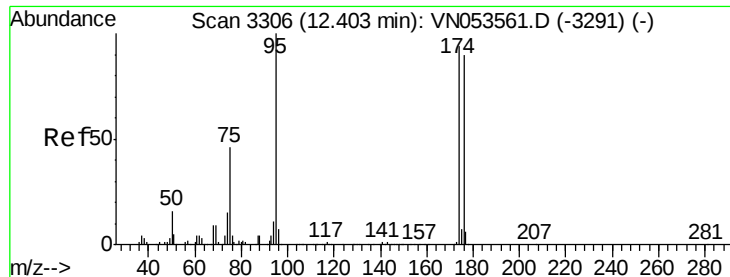
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 49.993 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053804.D

Acq: 15 Feb 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

CL-01-021419-B

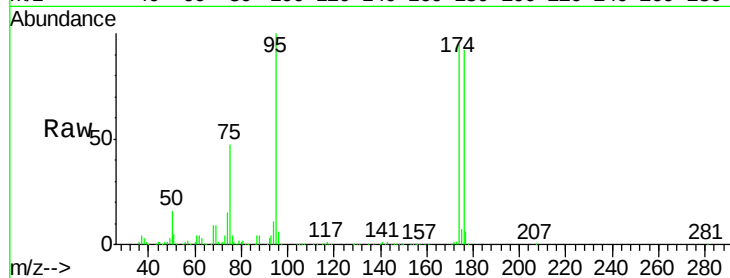
Tot Ion: 95 Resp: 441535

Ion Ratio Lower Upper

95 100

174 95.3 0.0 183.2

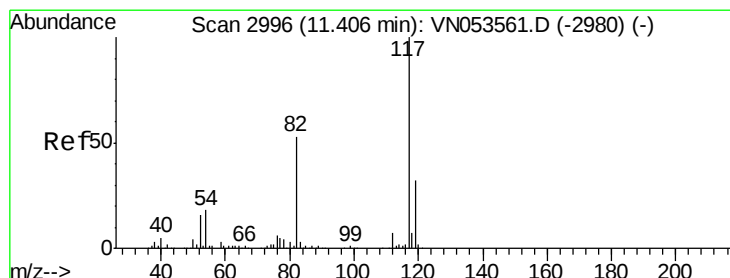
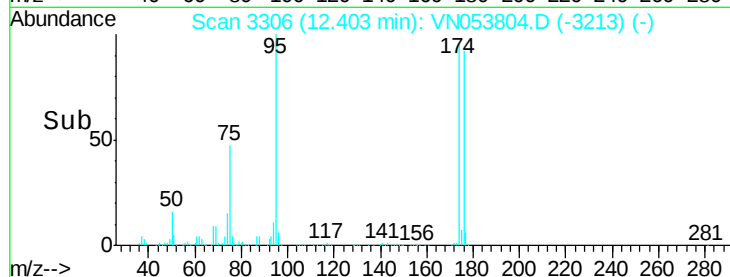
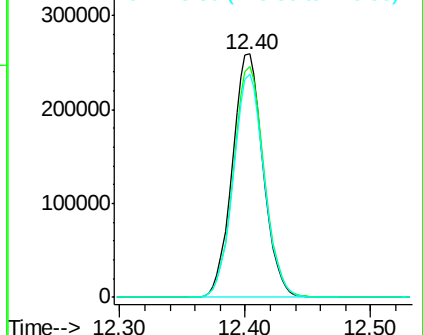
176 91.7 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053804.D

Acq: 15 Feb 2019 17:05

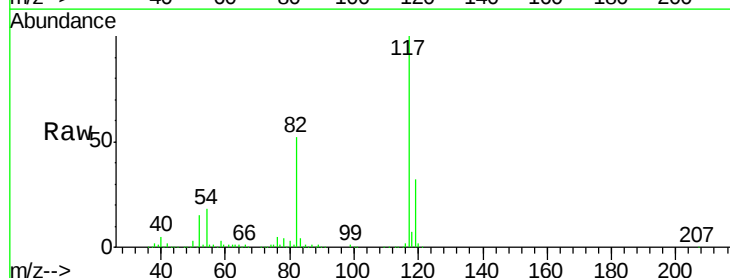
Tgt Ion: 117 Resp: 1042119

Ion Ratio Lower Upper

117 100

82 51.9 42.9 64.3

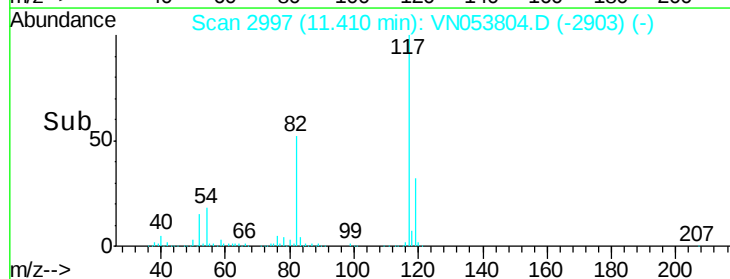
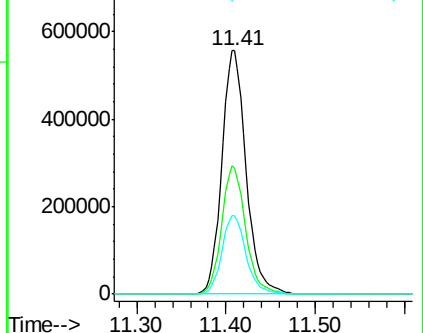
119 32.3 26.0 39.0

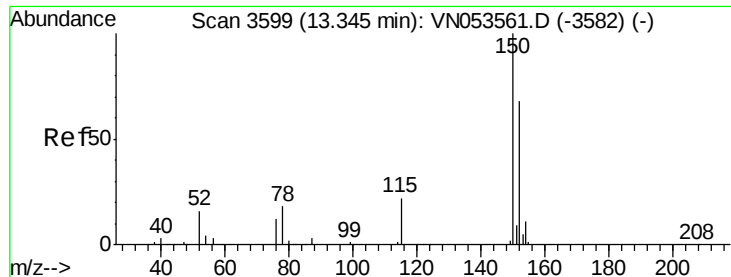


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053804.D

Acq: 15 Feb 2019 17:05

Instrument :

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ClientSampleId :

CL-01-021419-B

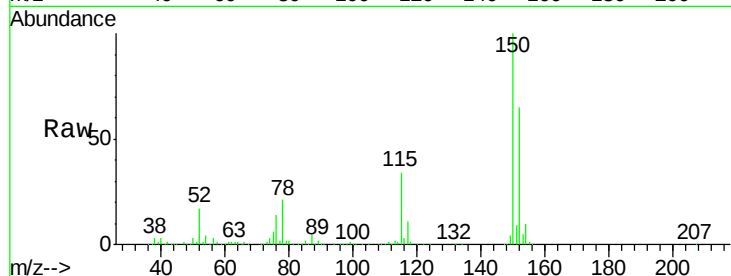
Tot Ion:152 Resp: 410820

Ion Ratio Lower Upper

152 100

115 54.4 27.8 83.4

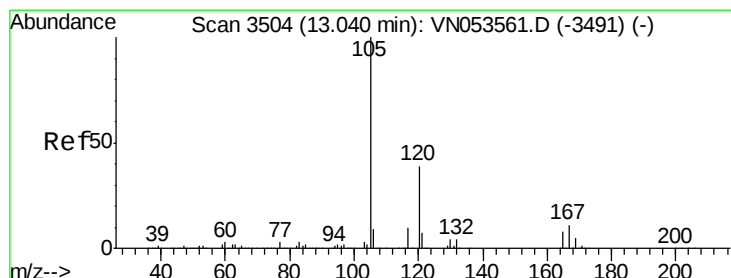
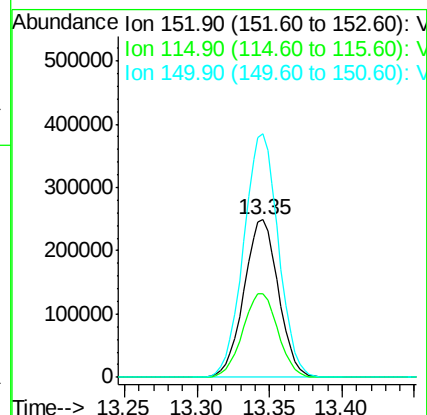
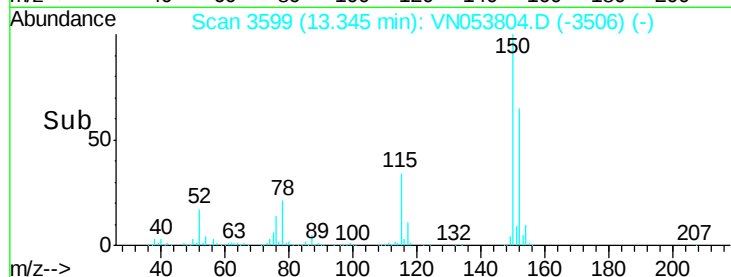
150 156.2 0.0 349.0



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



#84

1,2,4-Trimethylbenzene

Concen: 0.441 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053804.D

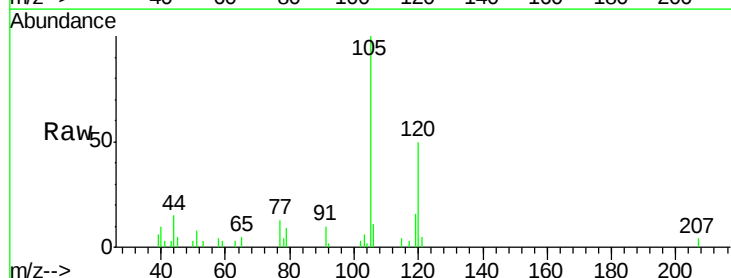
Acq: 15 Feb 2019 17:05

Tgt Ion:105 Resp: 10757

Ion Ratio Lower Upper

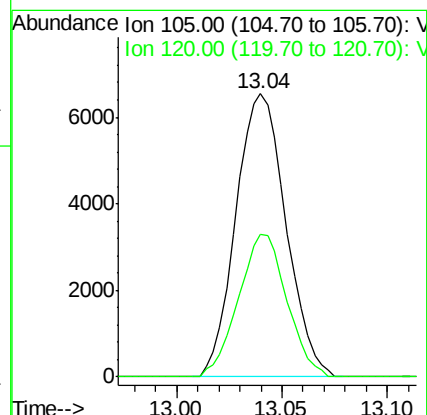
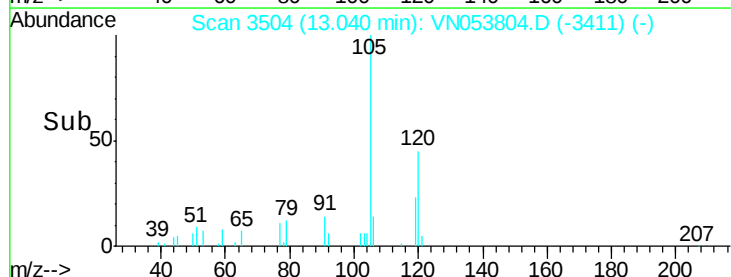
105 100

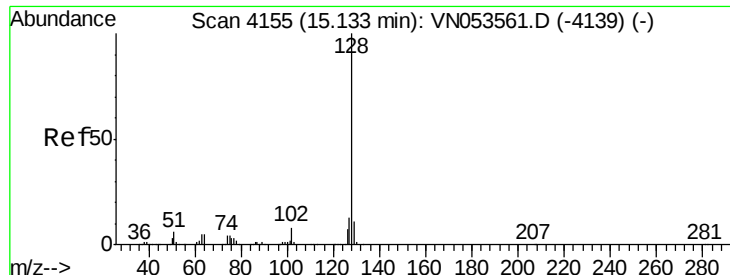
120 48.6 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 2.302 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053804.D

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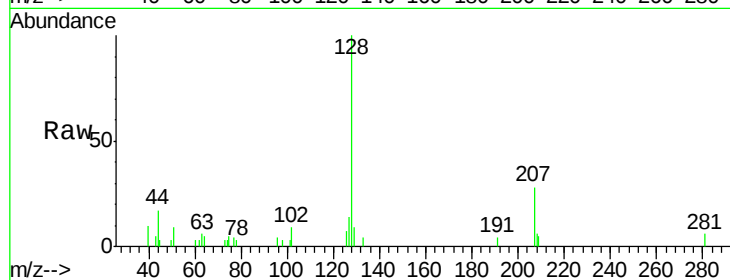
Tot Ion:128 Resp: 10574

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

129 9.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

